

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121129.D
 Acq On : 30 Jul 2020 15:38
 Operator : JU/CG
 Sample : L3183-22MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820MSD

Manual Integrations
 APPROVED

Quant Time: Jul 30 16:30:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	143752	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	563220	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	296238	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	581291	20.00	ng	0.00
76) Chrysene-d12	13.97	240	472791	20.00	ng	0.01
86) Perylene-d12	15.42	264	517486	20.00	ng	0.02

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System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1020499	116.38	ng	0.02
7) Phenol-d6	6.45	99	1170943	103.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	904559	92.93	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	440411	135.82	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1566156	78.93	ng	0.00
79) Terphenyl-d14	12.92	244	1706525	78.46	ng	0.00

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Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	167733	41.563	ng	# 85
3) Pyridine	3.39	79	341307	31.792	ng	99
4) n-Nitrosodimethylamine	3.30	42	196870	42.885	ng	99
6) Aniline	6.46	93	296642	20.063	ng	# 57
8) 2-Chlorophenol	6.59	128	455446	47.148	ng	100
9) Benzaldehyde	6.35	77	210440	37.782	ng	97
10) Phenol	6.46	94	439938	35.308	ng	96
11) bis(2-Chloroethyl)ether	6.53	93	457795	47.940	ng	98
12) 1,3-Dichlorobenzene	6.74	146	450597	43.017	ng	99
13) 1,4-Dichlorobenzene	6.82	146	456768	43.853	ng	100
14) 1,2-Dichlorobenzene	6.97	146	433685	44.012	ng	99
15) Benzyl Alcohol	6.95	79	370681	46.275	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.07	45	582123	42.294	ng	91
17) 2-Methylphenol	7.06	107	350719	40.963	ng	98
18) Hexachloroethane	7.31	117	168894	44.801	ng	97
19) n-Nitroso-di-n-propylamine	7.22	70	282999	43.937	ng	98
20) 3+4-Methylphenols	7.22	107	395869	36.346	ng	98
22) Acetophenone	7.21	105	584247	46.221	ng	96
24) Nitrobenzene	7.39	77	475357	45.311	ng	97
25) Isophorone	7.62	82	873028	44.941	ng	97
26) 2-Nitrophenol	7.70	139	250217	50.219	ng	99
27) 2,4-Dimethylphenol	7.74	122	389333	48.127	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	551141	46.478	ng	100
29) 2,4-Dichlorophenol	7.95	162	373165	45.142	ng	99
30) 1,2,4-Trichlorobenzene	8.02	180	399444	43.554	ng	100
31) Naphthalene	8.10	128	1255085	43.443	ng	100
32) Benzoic acid	7.86	122	93461	15.391	ng	97
33) 4-Chloroaniline	8.15	127	227175	17.627	ng	98
34) Hexachlorobutadiene	8.22	225	227333	42.048	ng	99
35) Caprolactam	8.54	113	97602m	36.818	ng	
36) 4-Chloro-3-methylphenol	8.65	107	398535	47.008	ng	99
37) 2-Methylnaphthalene	8.80	142	869919	46.374	ng	99
38) 1-Methylnaphthalene	8.90	142	813061	45.764	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	393357	45.574	ng	99

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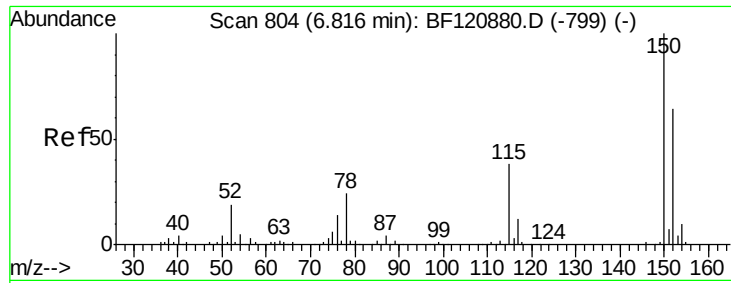
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820MSD

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	386062	80.931	nq	99
43) 2,4,6-Trichlorophenol	9.08	196	278594	45.843	nq	98
44) 2,4,5-Trichlorophenol	9.12	196	293100	42.519	nq	98
46) 1,1'-Biphenyl	9.26	154	1030151	45.588	nq	99
47) 2-Chloronaphthalene	9.29	162	800404	43.445	nq	99
48) 2-Nitroaniline	9.39	65	253754	45.576	nq	94
49) Acenaphthylene	9.70	152	1294820	45.240	nq	99
50) Dimethylphthalate	9.57	163	1018557	47.659	nq	100
51) 2,6-Dinitrotoluene	9.63	165	224500	48.895	nq	99
52) Acenaphthene	9.87	154	805668m	44.276	nq	
53) 3-Nitroaniline	9.79	138	146646	25.466	nq	96
54) 2,4-Dinitrophenol	9.90	184	92154	38.724	nq	92
55) Dibenzofuran	10.05	168	1136683	43.197	nq	99
56) 4-Nitrophenol	9.97	139	316323	72.313	nq	98
57) 2,4-Dinitrotoluene	10.03	165	291111	48.280	nq	# 88
58) Fluorene	10.39	166	840643	42.834	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.17	232	253362	48.273	nq	99
60) Diethylphthalate	10.27	149	992754	45.925	nq	99
61) 4-Chlorophenyl-phenylether	10.38	204	420072	40.130	nq	98
62) 4-Nitroaniline	10.42	138	229676	40.945	nq	97
63) Azobenzene	10.54	77	919588	44.684	nq	99
65) 4,6-Dinitro-2-methylphenol	10.45	198	103931	32.262	nq	96
66) n-Nitrosodiphenylamine	10.50	169	829020	45.336	nq	100
67) 4-Bromophenyl-phenylether	10.87	248	289265	44.633	nq	99
68) Hexachlorobenzene	10.94	284	323201	46.101	nq	96
69) Atrazine	11.03	200	219543	48.478	nq	98
70) Pentachlorophenol	11.14	266	325765	81.111	nq	98
71) Phenanthrene	11.35	178	1323037	44.255	nq	100
72) Anthracene	11.40	178	1349104	44.940	nq	100
73) Carbazole	11.56	167	1297354	43.547	nq	99
74) Di-n-butylphthalate	11.89	149	1581790	46.009	nq	100
75) Fluoranthene	12.54	202	1494472	45.099	nq	98
77) Benzidine	12.66	184	573143	46.108	nq	100
78) Pyrene	12.77	202	1526436	45.665	nq	100
80) Butylbenzylphthalate	13.39	149	711150	47.725	nq	95
81) Benzo(a)anthracene	13.96	228	1312838	45.856	nq	100
82) 3,3'-Dichlorobenzidine	13.92	252	238667	22.096	nq	99
83) Chrysene	14.00	228	1318018	43.807	nq	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	907599	49.394	nq	100
85) Di-n-octyl phthalate	14.56	149	1702581	46.574	nq	99
87) Indeno(1,2,3-cd)pyrene	16.86	276	1520999	42.263	nq	99
88) Benzo(b)fluoranthene	15.00	252	1458811	46.637	nq	99
89) Benzo(k)fluoranthene	15.03	252	1302800	45.668	nq	99
90) Benzo(a)pyrene	15.36	252	1277309	44.757	nq	99
91) Dibenzo(a,h)anthracene	16.88	278	1249699	42.510	nq	99
92) Benzo(g,h,i)perylene	17.30	276	1277868	44.085	nq	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



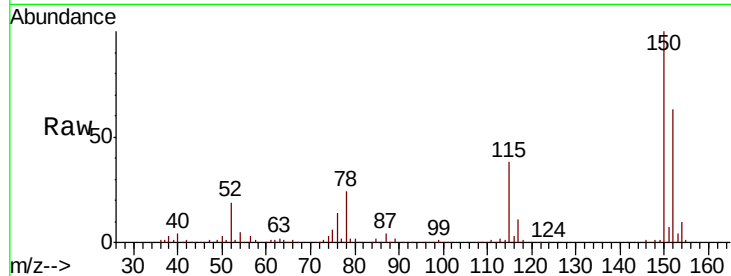
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	125.6	188.4
115	60.2	46.2	69.2

Manual Integrations
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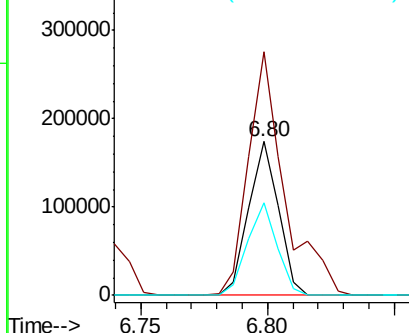


Abundance

Ion 152.00 (151.70 to 152.70): E

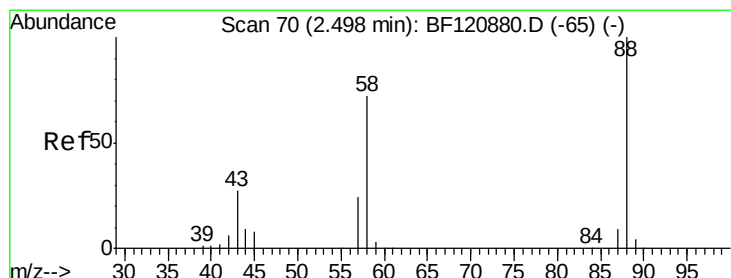
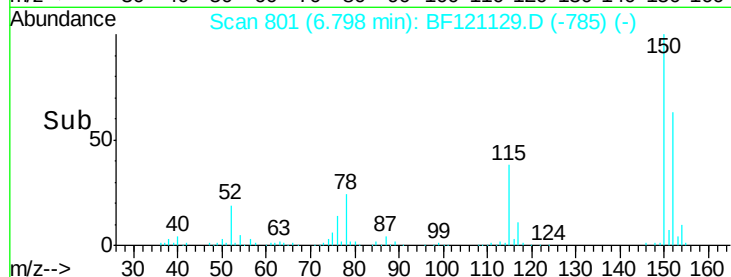
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



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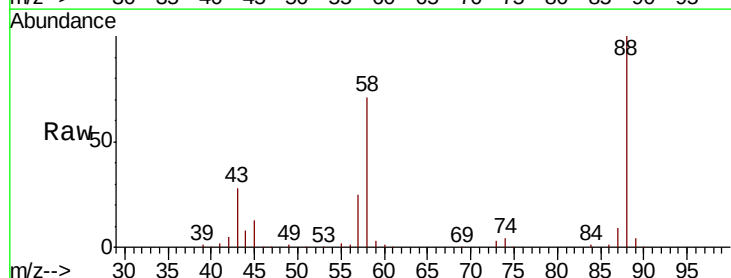
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#2

1,4-Dioxane
Concen: 41.563 ng
RT: 2.68 min Scan# 100
Delta R.T. 0.16 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.9	58.2	87.4
43	0.0	21.3	31.9#

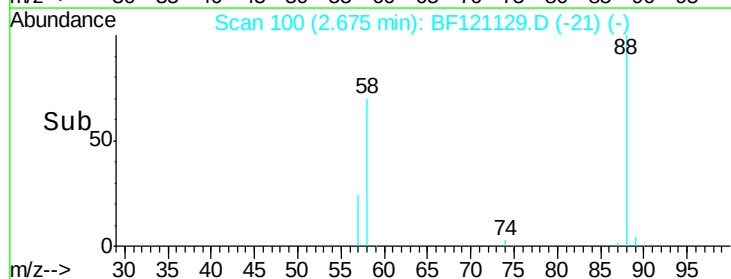
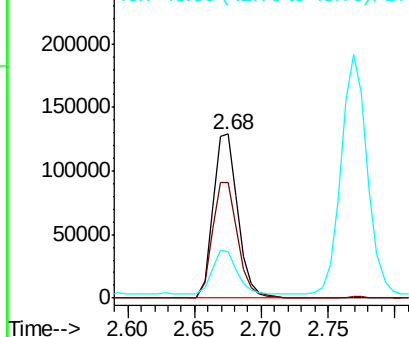


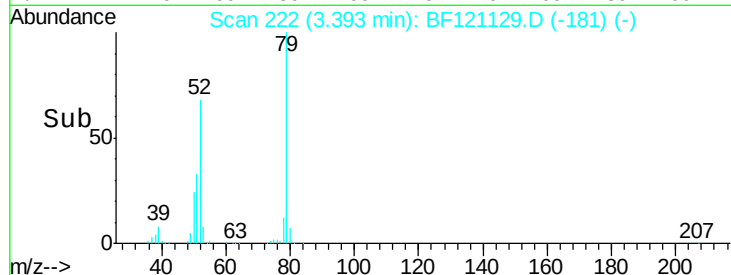
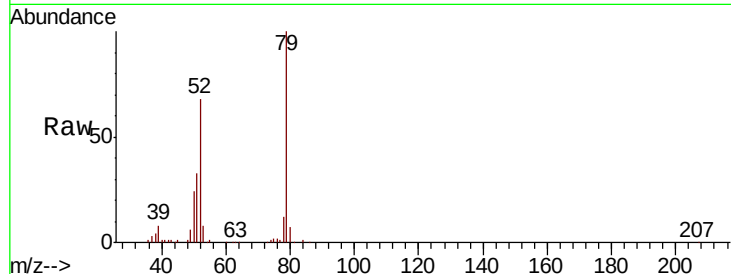
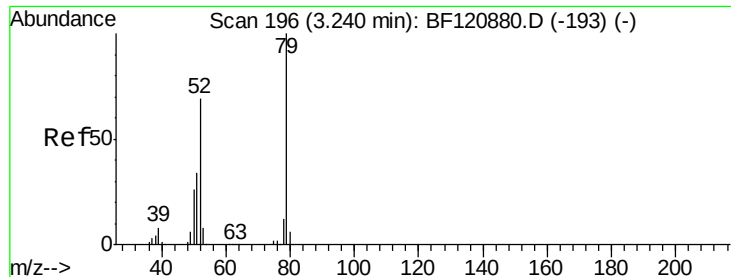
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1



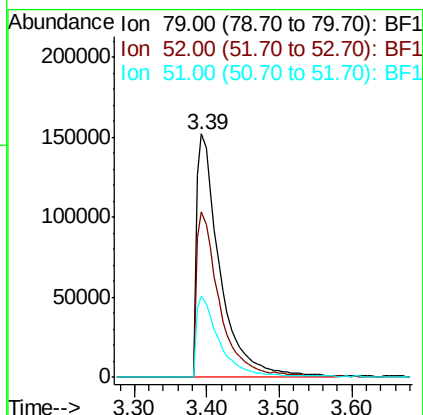


#3
Pvridine
Concen: 31.792 ng
RT: 3.39 min Scan# 222
Delta R.T. 0.14 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tot Ion:	79	Resp:	341307
Ion Ratio	Lower	Upper	
79	100		
52	68.1	54.9	82.3
51	33.3	27.4	41.0

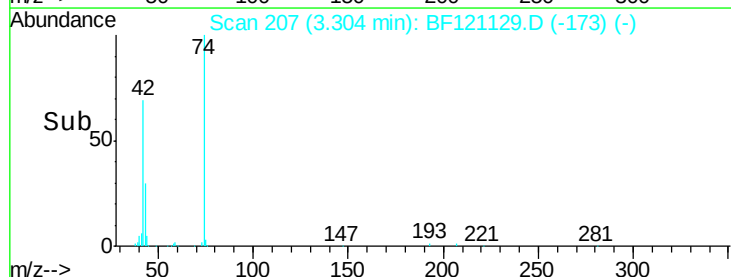
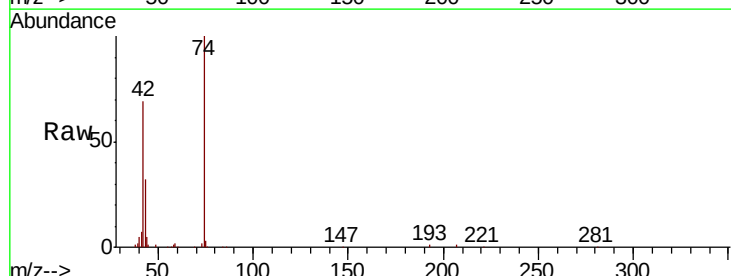
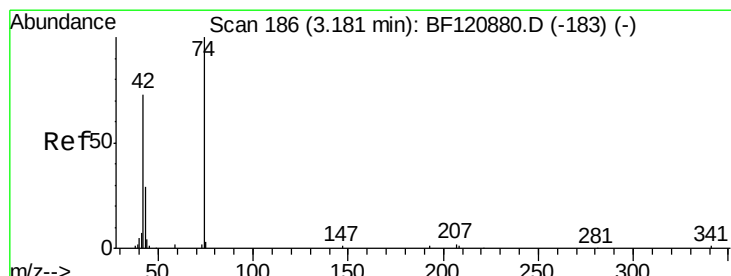
Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

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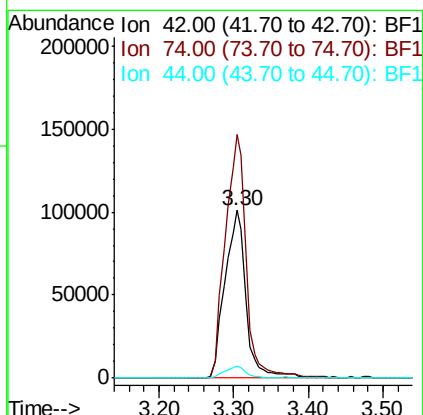
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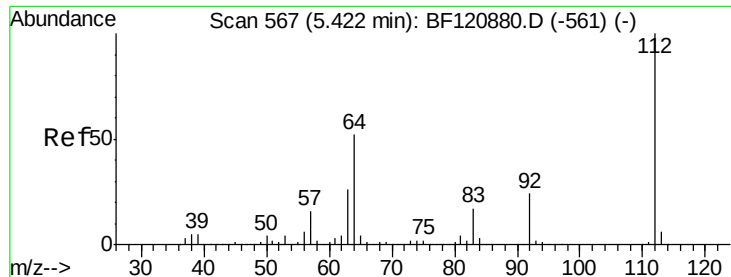
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#4
n-Nitrosodimethylamine
Concen: 42.885 ng
RT: 3.30 min Scan# 207
Delta R.T. 0.10 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion:	42	Resp:	196870
Ion Ratio	Lower	Upper	
42	100		
74	145.2	117.3	175.9
44	7.3	5.9	8.9





#5

2-Fluorophenol

Concen: 116.378 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.02 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

BNA_F

ClientSampleId :

OK-02-072820MSD

Tot Ion: 112 Resp: 1020499

Ion Ratio Lower Upper

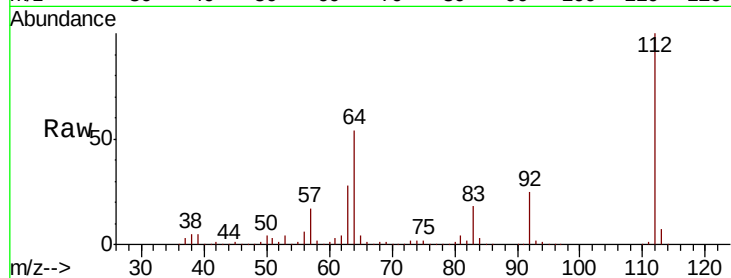
112 100

64 54.1 43.9 65.9

63 28.0 22.7 34.1

Manual Integrations

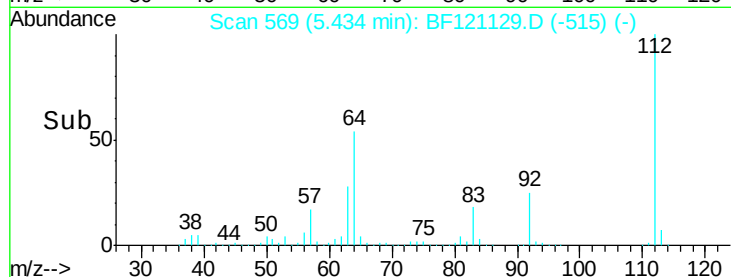
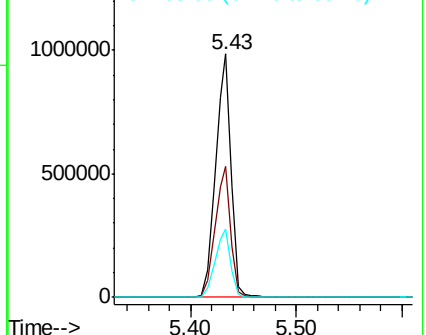
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Abundance Ion 112.00 (111.70 to 112.70): BF1

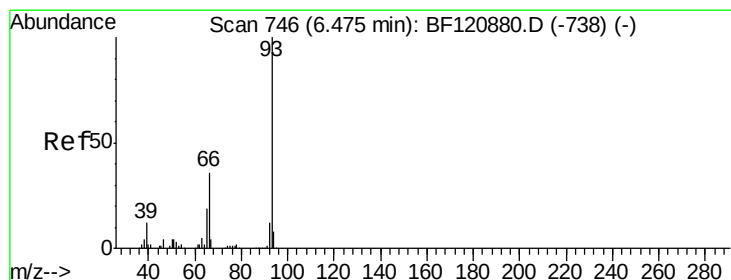
Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



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#6

Aniline

Concen: 20.063 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

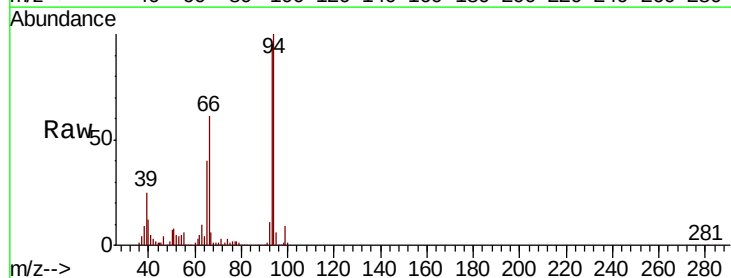
Tgt Ion: 93 Resp: 296642

Ion Ratio Lower Upper

93 100

66 64.2 31.0 46.4#

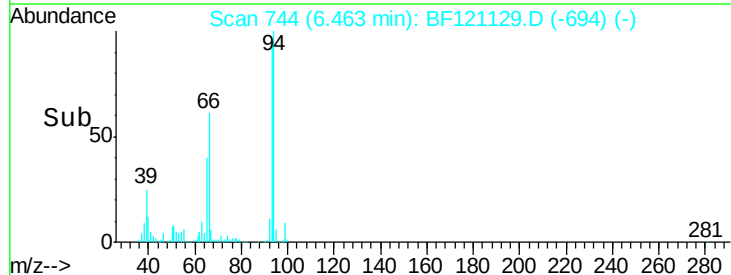
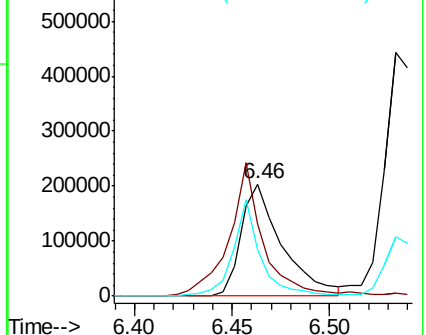
65 41.6 16.2 24.4#

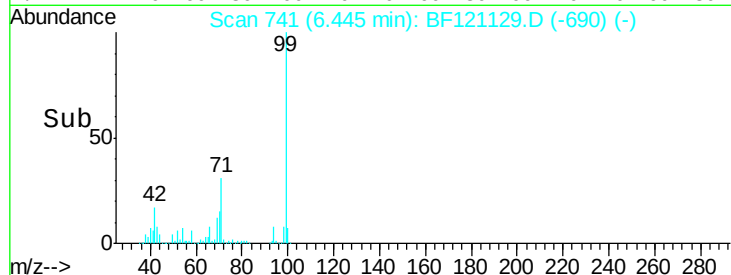
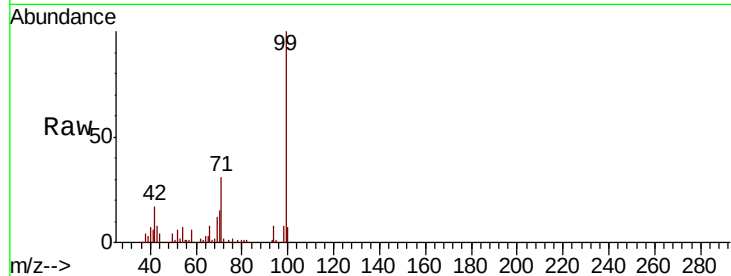
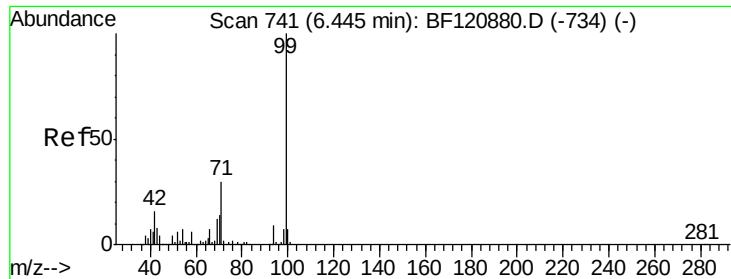


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 103.376 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Tot Ion: 99 Resp: 1170943

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

71 31.4 25.0 37.4

Instrument :

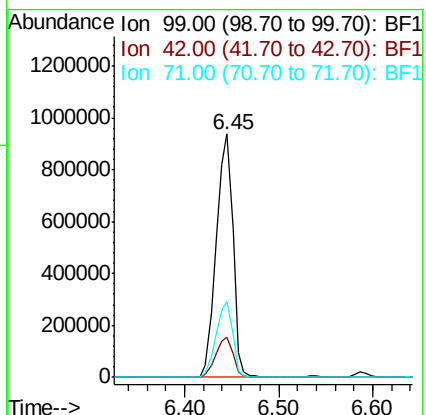
BNA_F

ClientSampleId :

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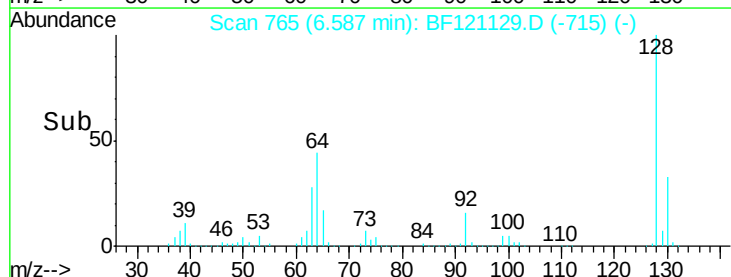
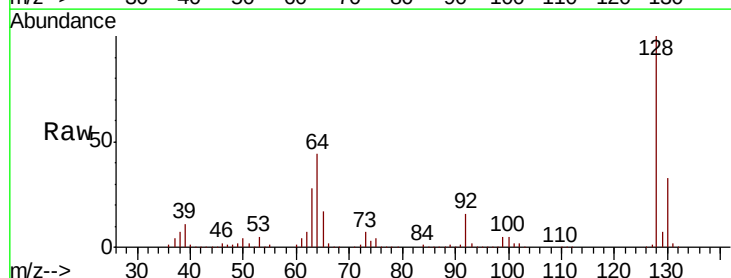
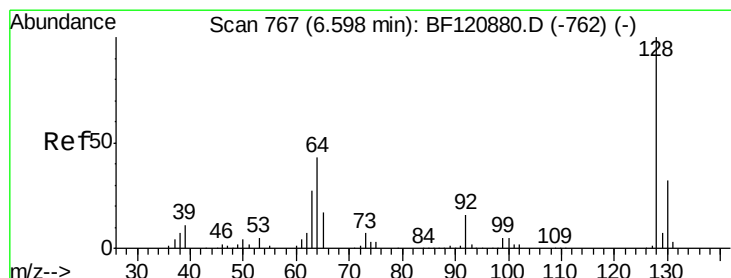
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#8

2-Chlorophenol

Concen: 47.148 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

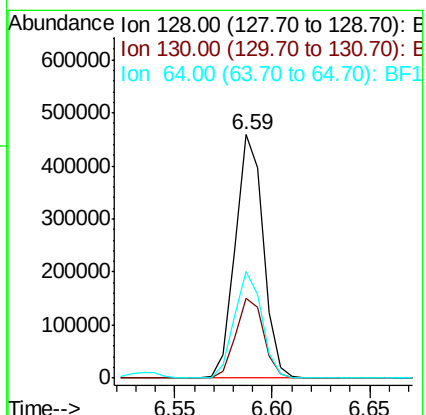
Tgt Ion:128 Resp: 455446

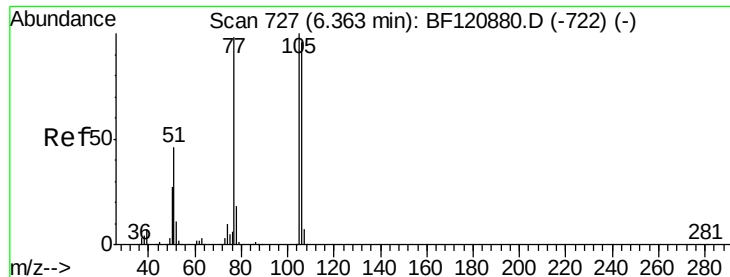
Ion Ratio Lower Upper

128 100

130 32.9 12.7 52.7

64 43.8 23.8 63.8





#9

Benzaldehyde

Concen: 37.782 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

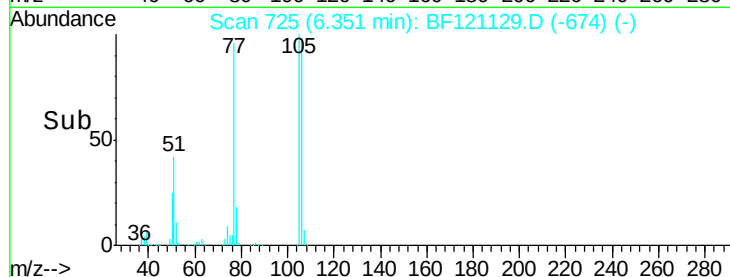
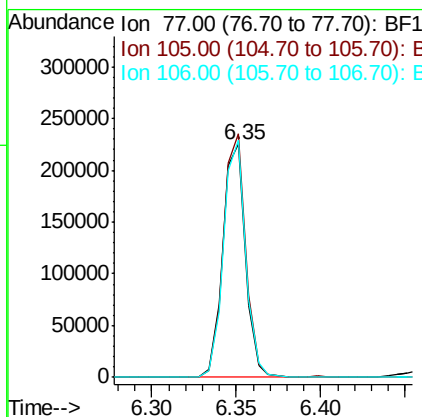
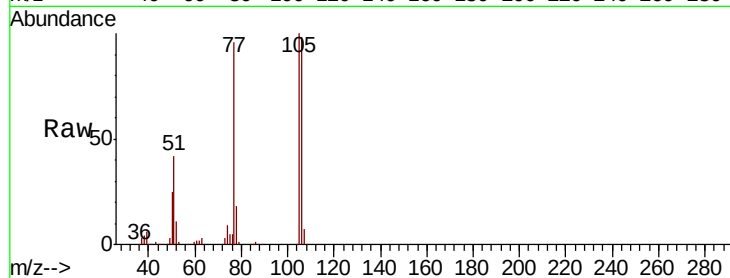
BNA_F

ClientSampleId :

OK-02-072820MSD

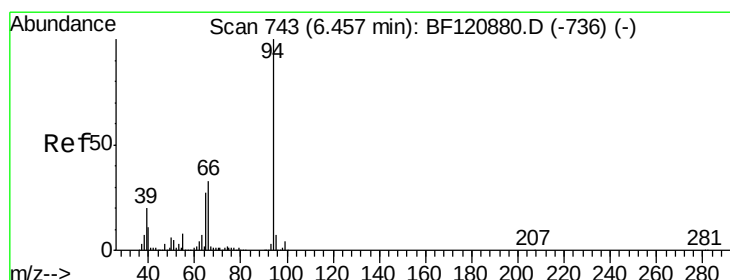
Tot Ion:	77	Resp:	210440
Ion	Ratio	Lower	Upper
77	100		
105	104.4	82.4	122.4
106	101.9	78.9	118.9

Manual Integrations
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#10

Phenol

Concen: 35.308 ng

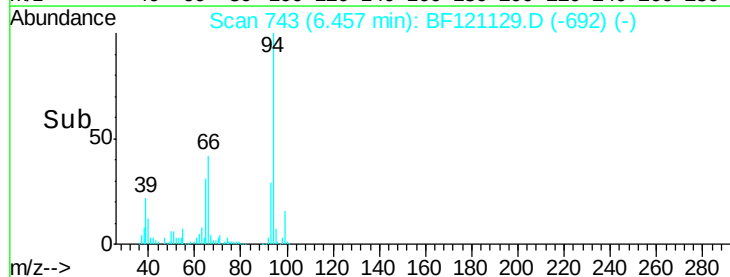
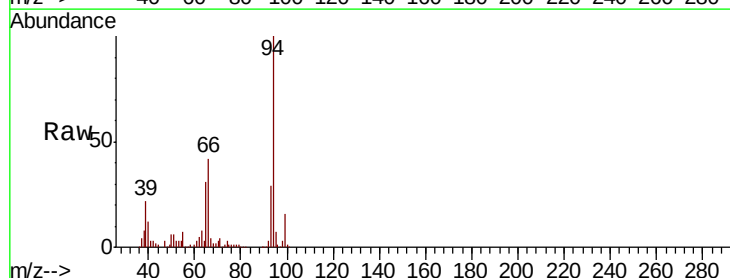
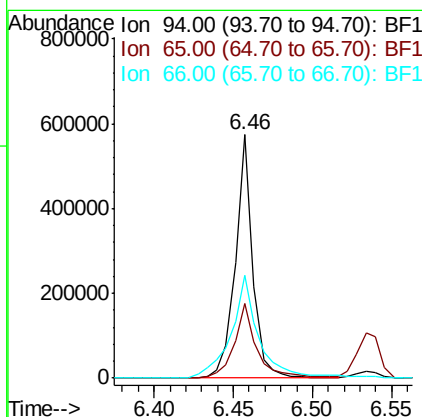
RT: 6.46 min Scan# 743

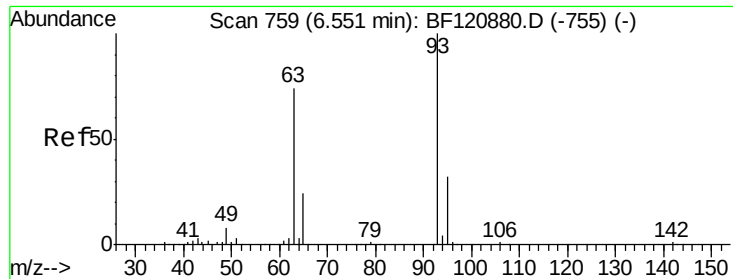
Delta R.T. 0.00 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Tgt Ion:	94	Resp:	439938
Ion	Ratio	Lower	Upper
94	100		
65	30.6	12.6	52.6
66	42.4	25.6	65.6



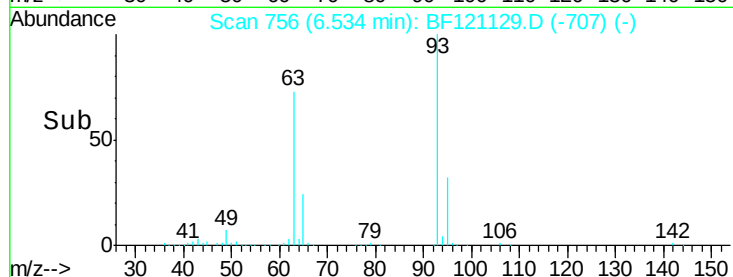
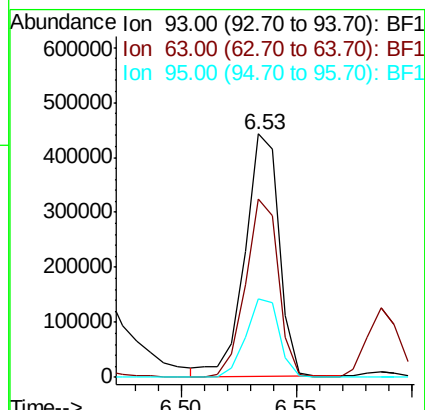
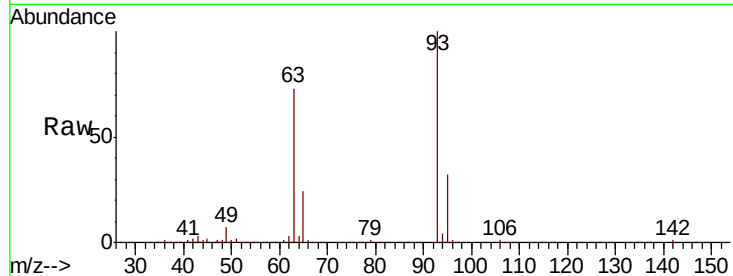


#11
bis(2-Chloroethyl)ether
Concen: 47.940 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

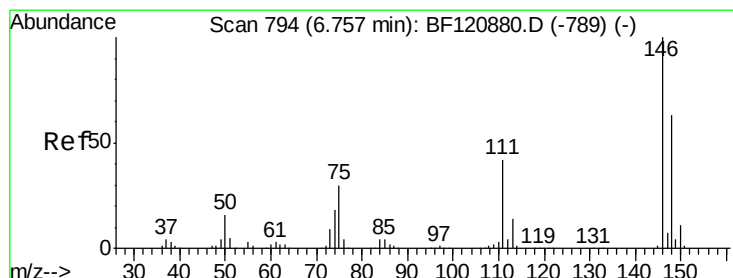
Tot Ion	93	Resp	457795
Ion	Ratio	Lower	Upper
93	100		
63	73.4	51.9	91.9
95	32.2	13.2	53.2

Manual Integrations
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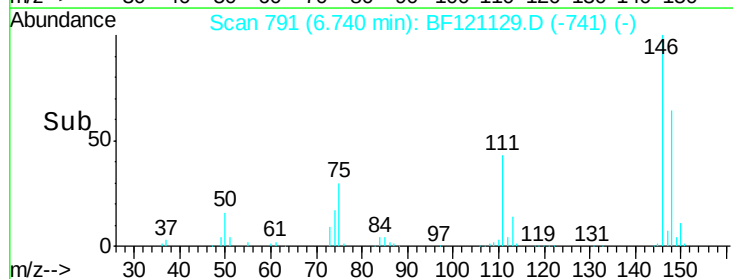
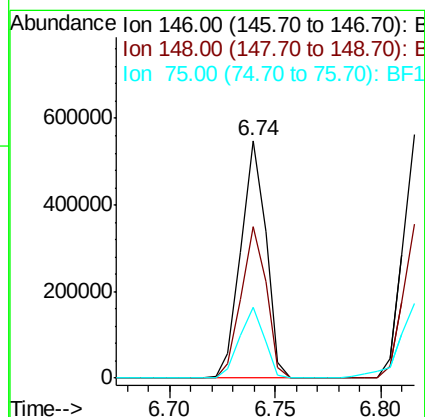
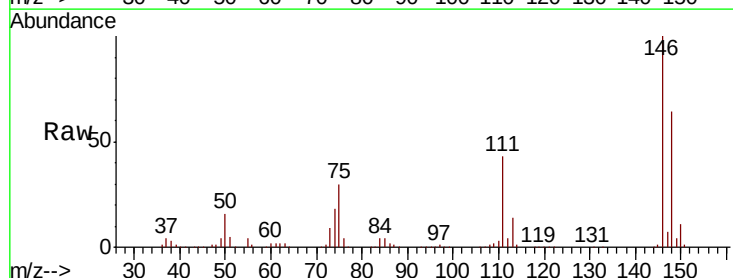
Sohil

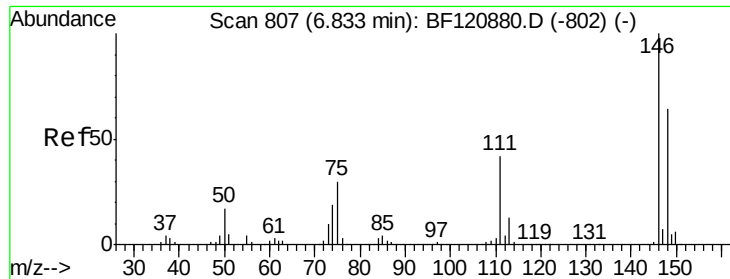
7/31/2020 12:11:50 PM



#12
1,3-Dichlorobenzene
Concen: 43.017 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	146	Resp	450597
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.7	77.5
75	29.9	23.8	35.6



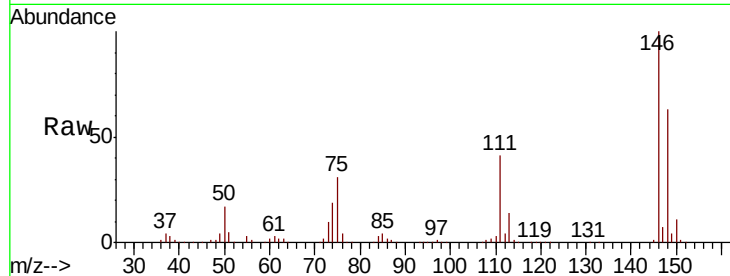


#13
 1,4-Dichlorobenzene
 Concen: 43.853 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.5	75.7
111	41.1	32.8	49.2

Manual Integrations
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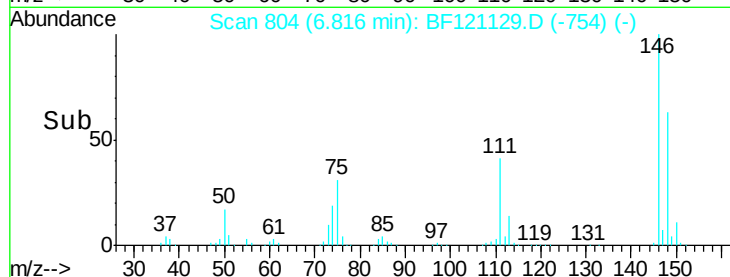
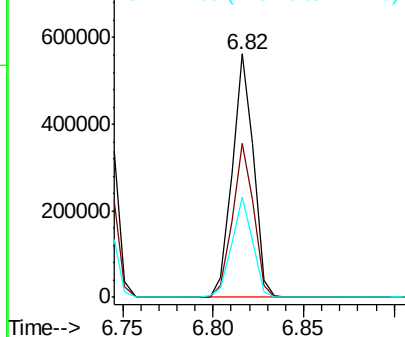


Abundance

Ion 146.00 (145.70 to 146.70): E

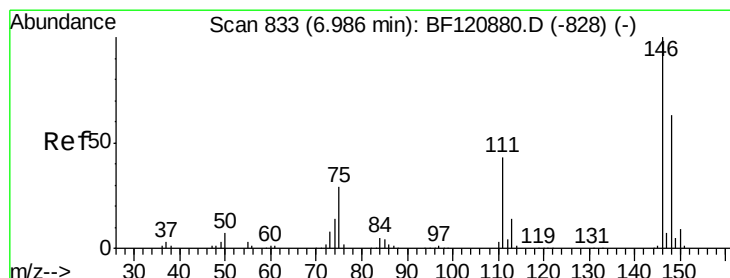
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



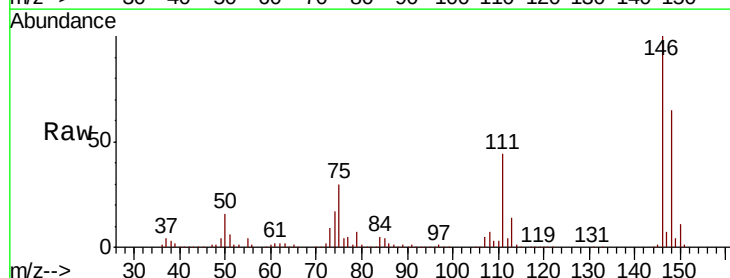
Sohil

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#14
 1,2-Dichlorobenzene
 Concen: 44.012 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.8	76.2
111	43.5	35.4	53.0

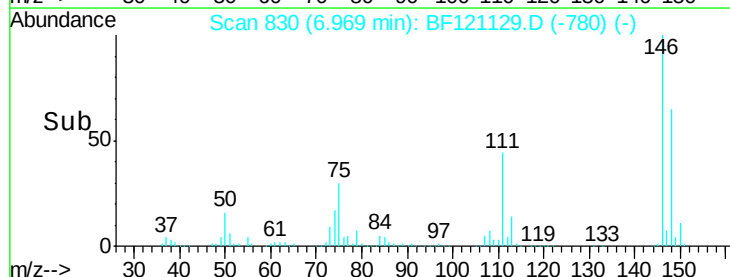
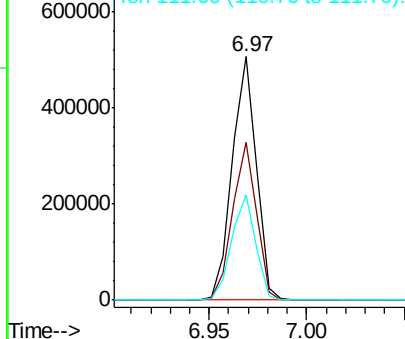


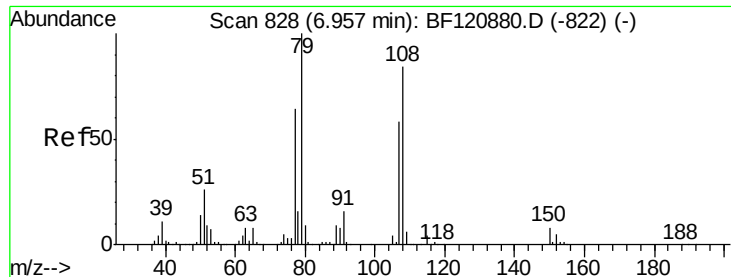
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



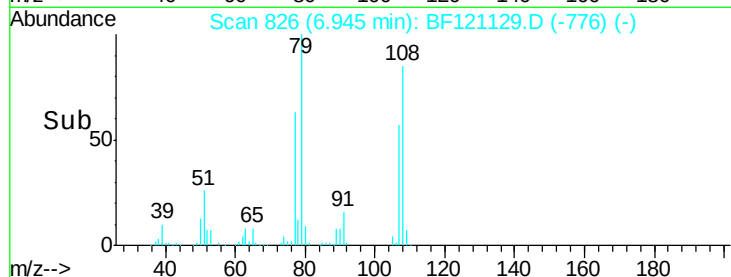
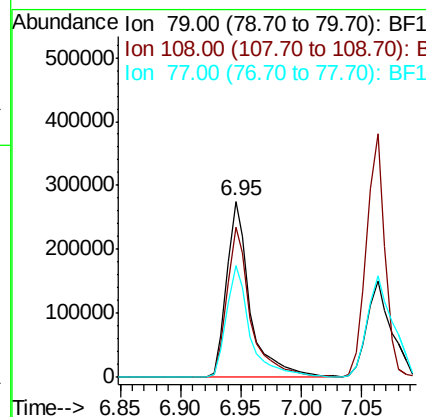
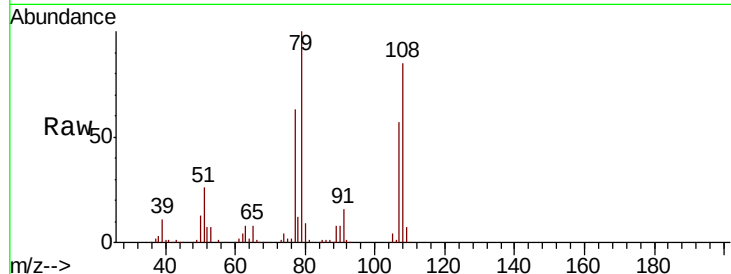


#15
Benzyl Alcohol
Concen: 46.275 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

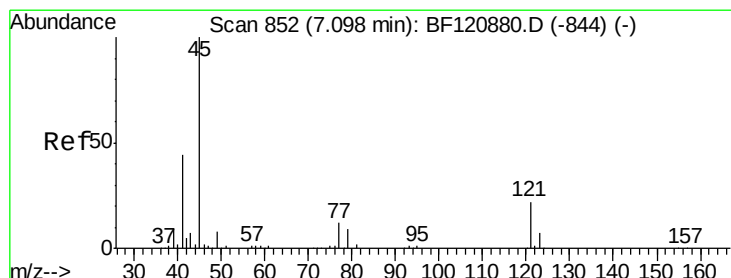
Tot Ion	Ratio	Lower	Upper
79	100		
108	84.9	68.6	103.0
77	63.4	51.4	77.2

Manual Integrations
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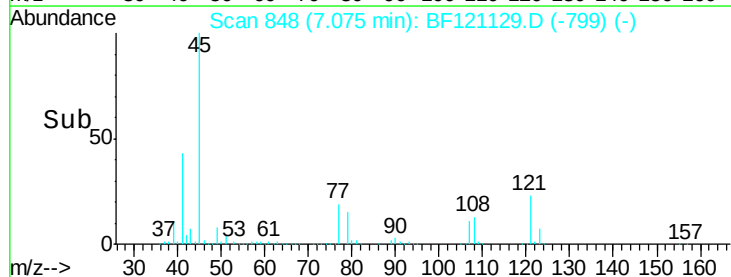
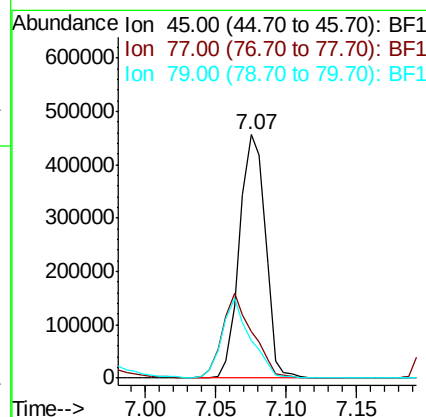
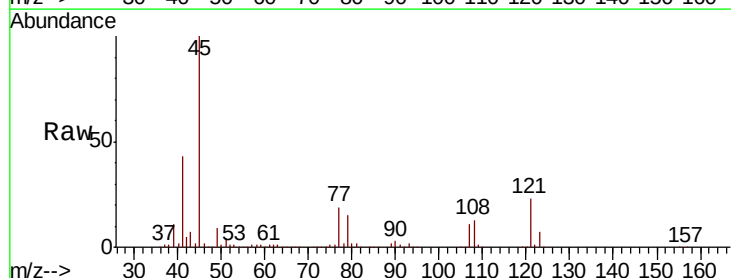
Sohil

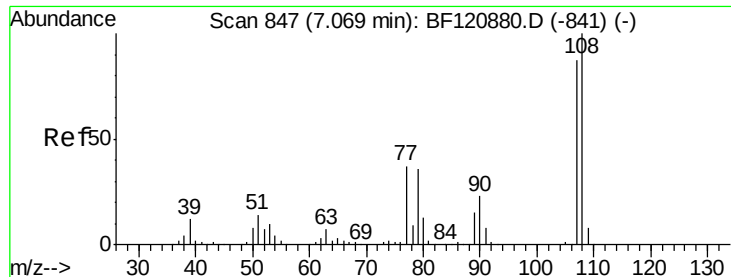
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#16
2,2'-oxybis(1-chloropropane)
Concen: 42.294 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
45	100		
77	18.8	0.0	34.7
79	15.2	0.0	32.0



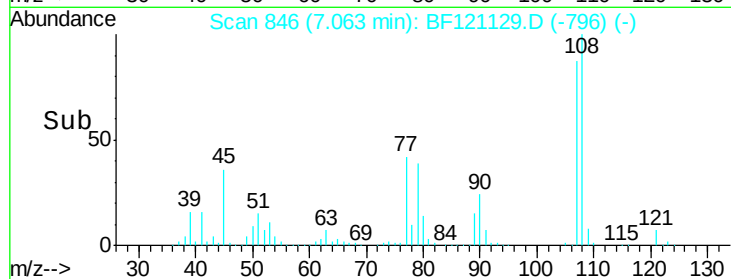
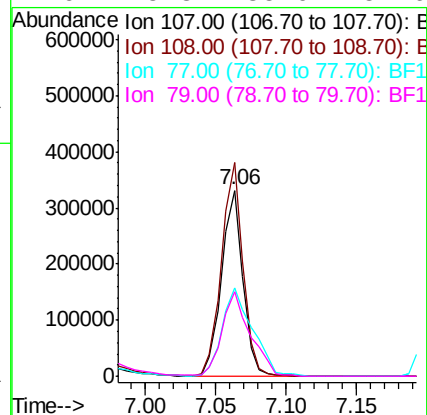
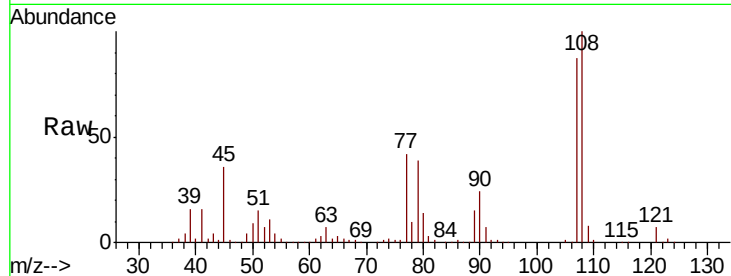


#17
2-Methylphenol
Concen: 40.963 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

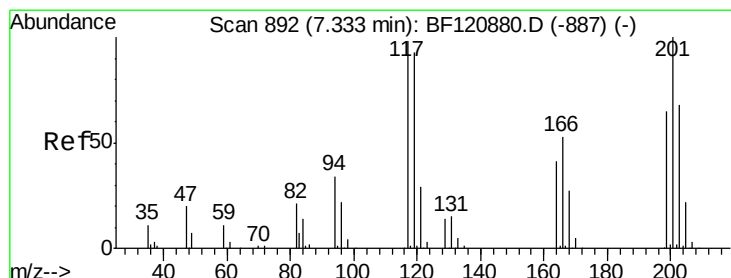
Tot Ion:	107	Resp:	350719
Ion Ratio	Lower	Upper	
107	100		
108	115.0	91.2	136.8
77	47.7	36.5	54.7
79	45.3	35.0	52.6

Manual Integrations
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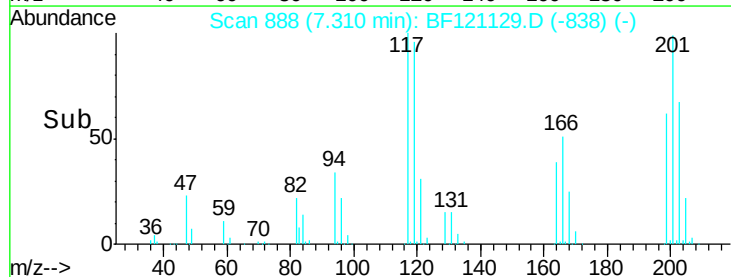
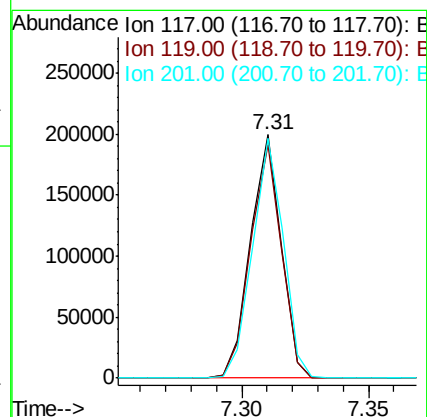
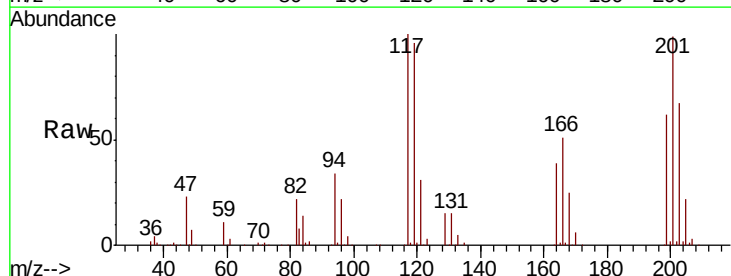
Sohil

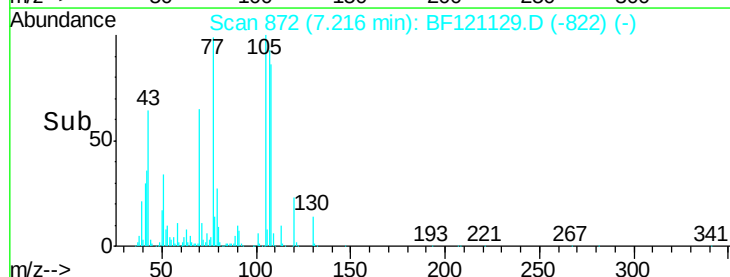
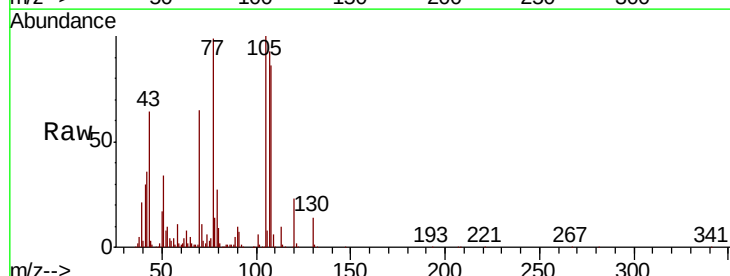
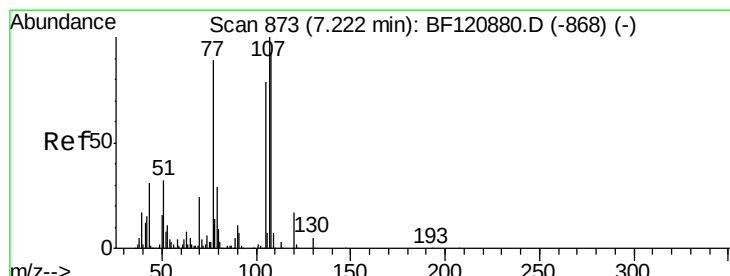
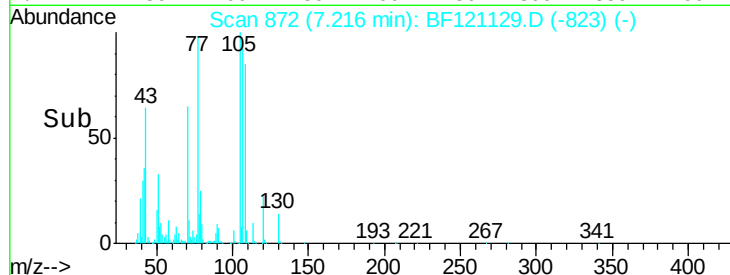
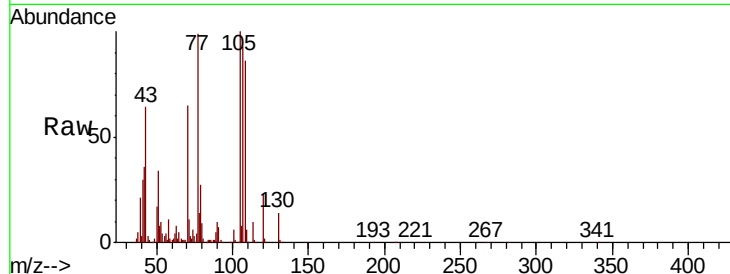
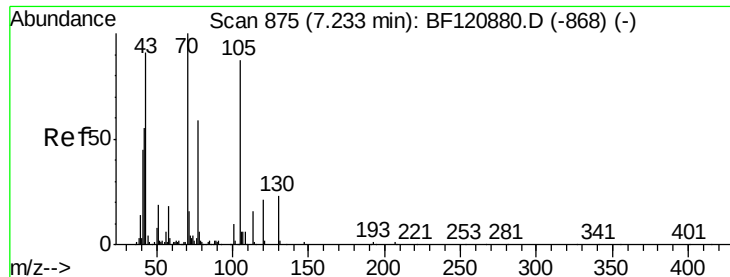
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#18
Hexachloroethane
Concen: 44.801 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

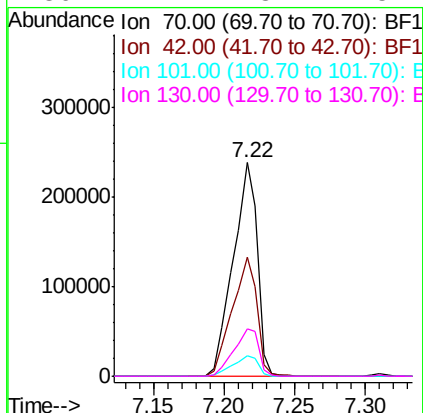
Tgt Ion:	117	Resp:	168894
Ion Ratio	Lower	Upper	
117	100		
119	95.9	76.6	114.8
201	98.6	75.0	112.4





#19
n-Nitroso-di-n-propylamine
Concen: 43.937 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.7	43.3	64.9	
101	9.3	8.4	12.6	
130	22.1	18.7	28.1	



Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

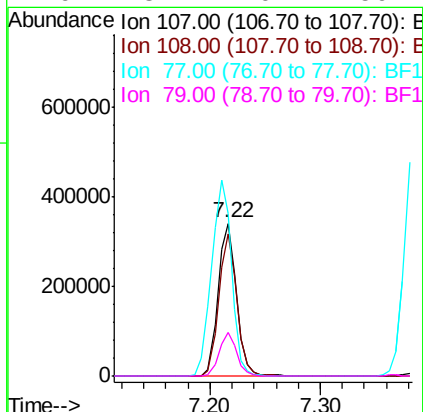
Manual Integrations
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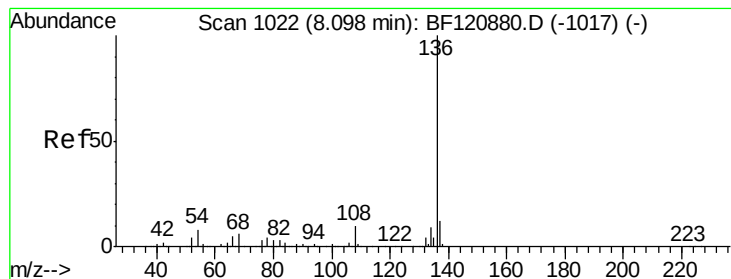
Sohil

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#20
3+4-Methylphenols
Concen: 36.346 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.0	73.7	113.7	
77	106.8	84.9	124.9	
79	28.7	10.7	50.7	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

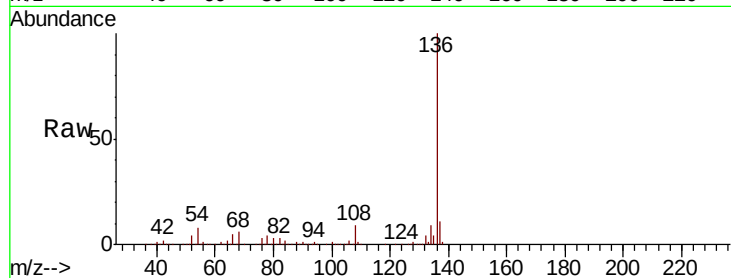
BNA_F

ClientSampleId :

OK-02-072820MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	563220		
137	11.2		9.0	13.4
54	7.7		6.1	9.1
68	6.3		5.0	7.6

Manual Integrations
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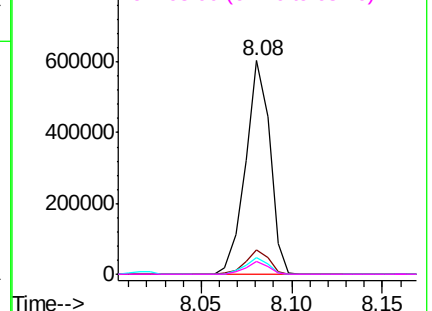
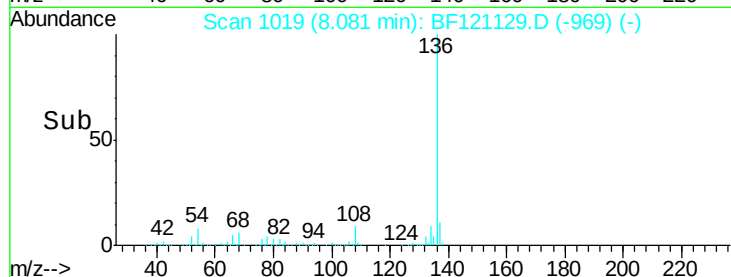


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

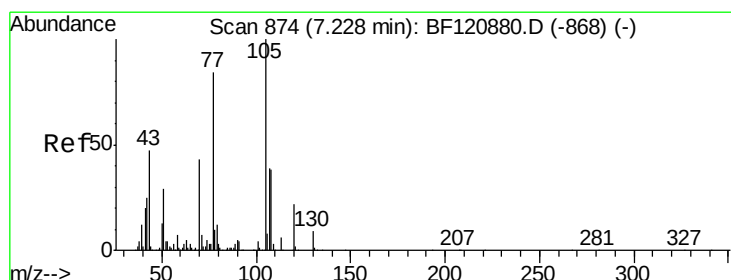
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



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#22

Acetophenone

Concen: 46.221 ng

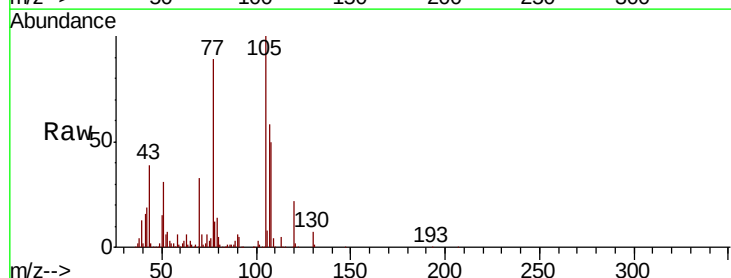
RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	584247		
71	5.5		3.8	5.8
51	31.0		28.0	42.0
120	21.9		17.8	26.6

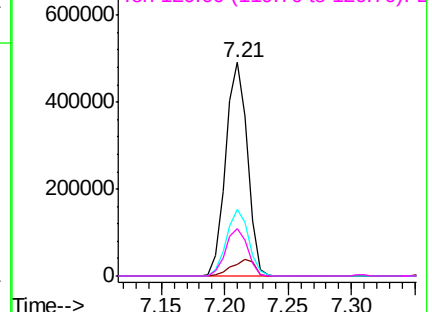
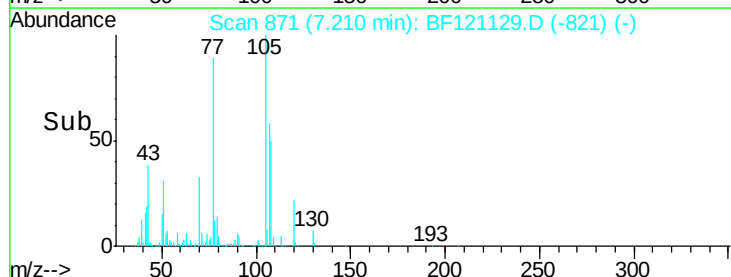


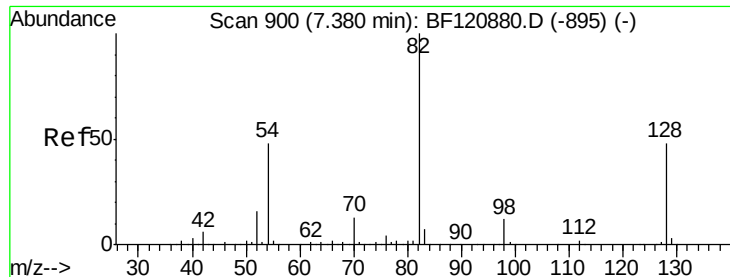
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



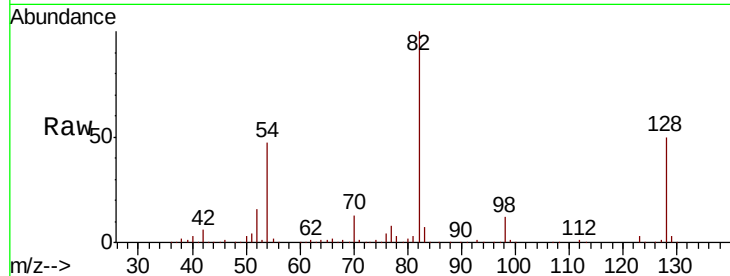


#23
 Nitrobenzene-d5
 Concen: 92.931 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

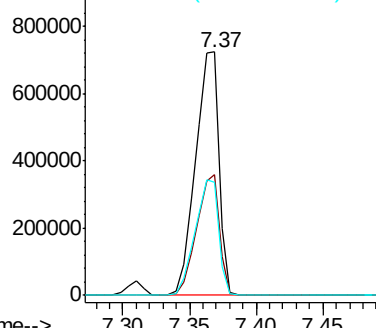
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820MSD

Tot Ion:	82	Resp:	904559
Ion Ratio	Lower	Upper	
82	100		
128	49.7	39.2	58.8
54	46.7	37.8	56.8

Manual Integrations
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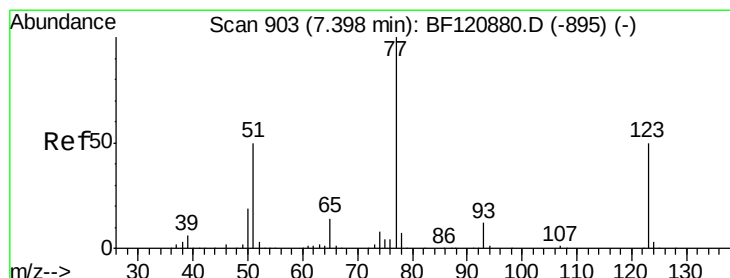
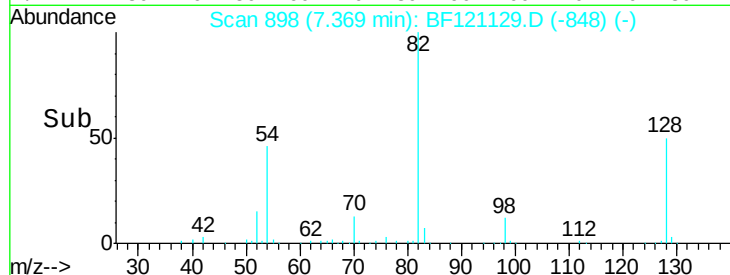


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



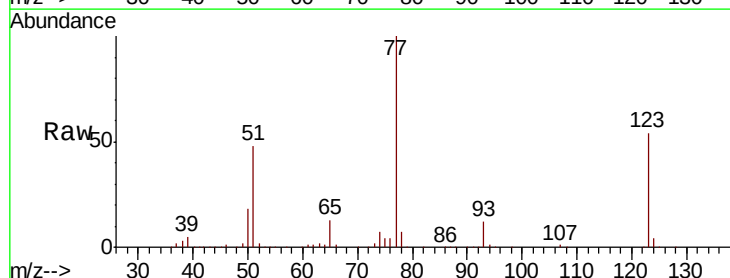
Sohil

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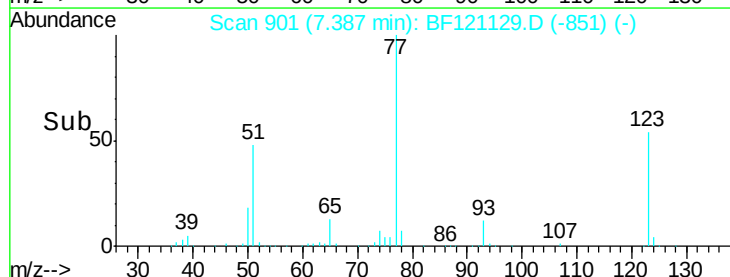
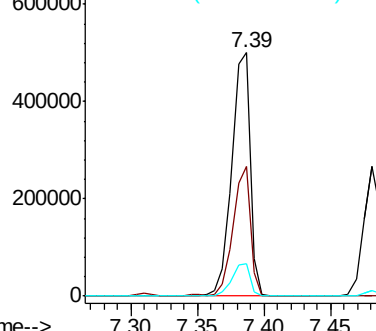


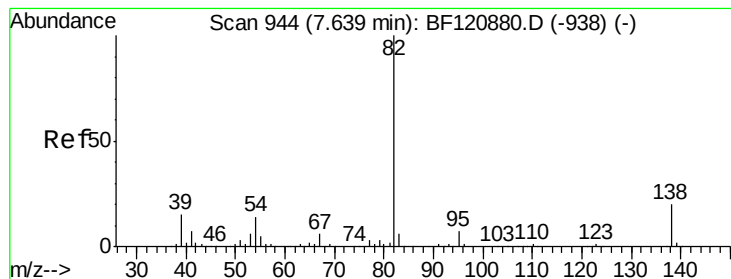
#24
 Nitrobenzene
 Concen: 45.311 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Tgt Ion:	77	Resp:	475357
Ion Ratio	Lower	Upper	
77	100		
123	53.5	41.0	61.6
65	13.2	10.3	15.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 44.941 ng

RT: 7.62 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

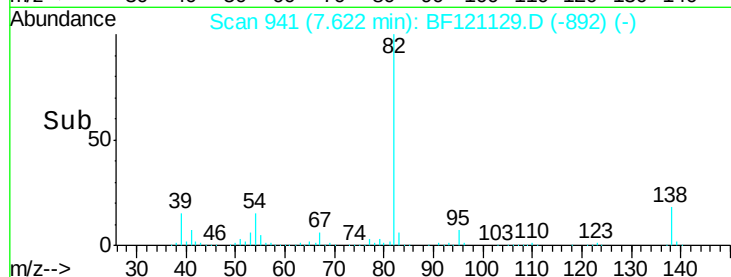
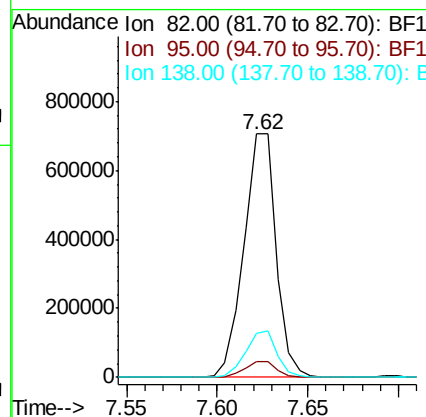
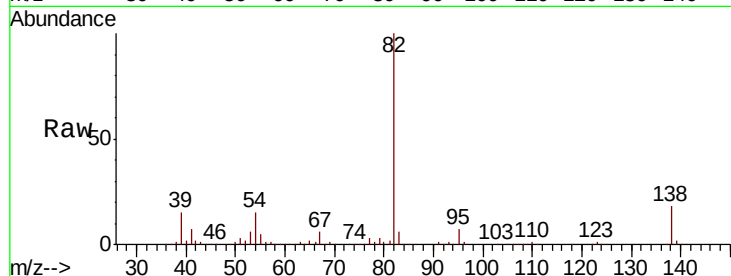
BNA_F

ClientSampleId :

OK-02-072820MSD

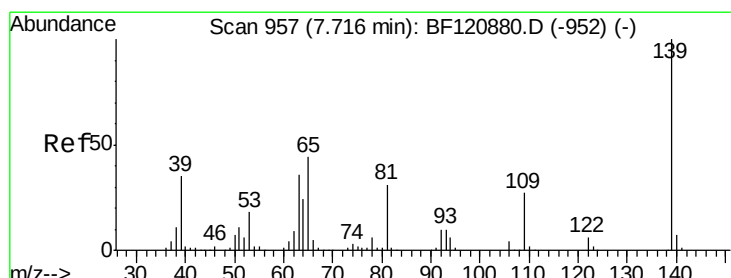
Tot Ion	82	Resp	873028
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.5	8.3
138	18.2	16.2	24.2

Manual Integrations
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Sohil

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#26

2-Nitrophenol

Concen: 50.219 ng

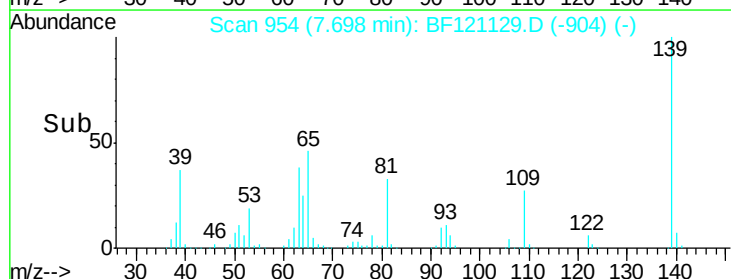
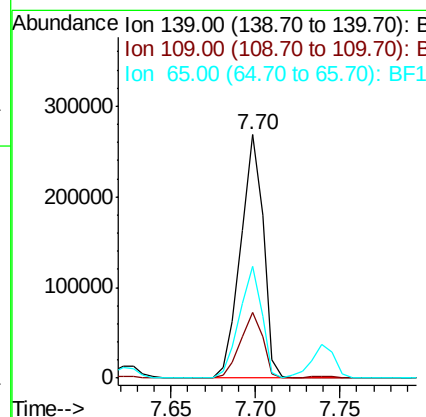
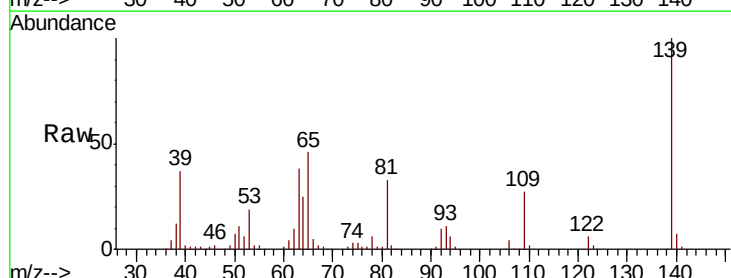
RT: 7.70 min Scan# 954

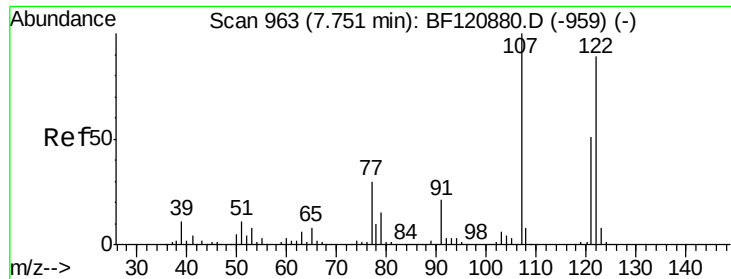
Delta R.T. -0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Tgt Ion	139	Resp	250217
Ion Ratio	Lower	Upper	
139	100		
109	27.2	21.7	32.5
65	46.1	36.3	54.5



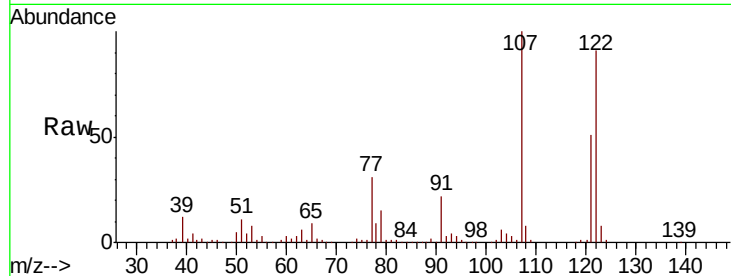


#27
2,4-Dimethylphenol
Concen: 48.127 ng
RT: 7.74 min Scan# 961
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.4	87.1	130.7
121	56.8	45.5	68.3

Manual Integrations
APPROVED

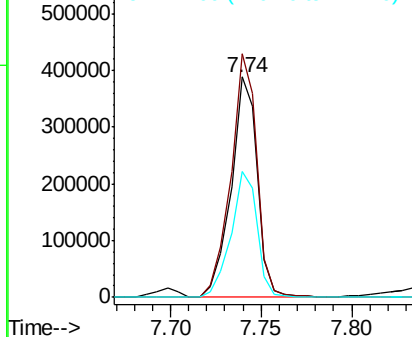


Abundance

Ion 122.00 (121.70 to 122.70): E

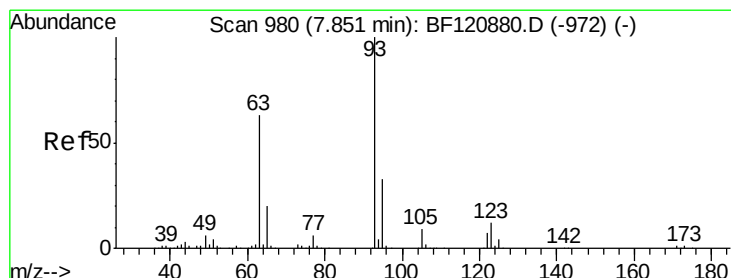
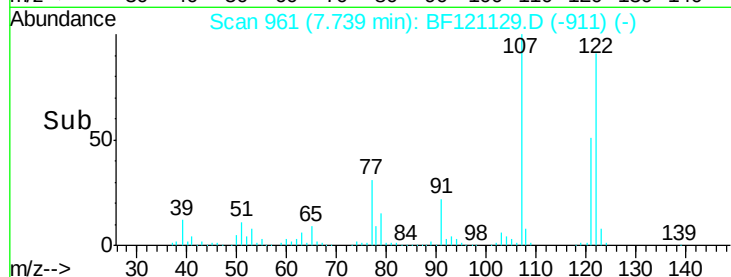
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



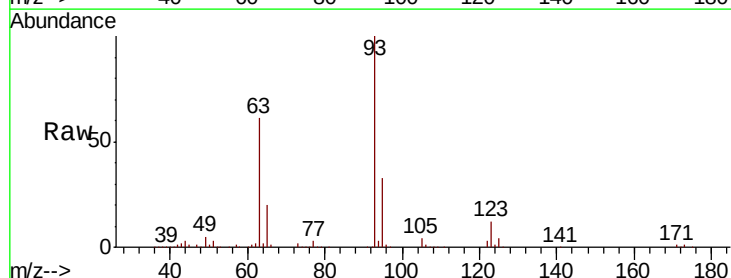
Sohil

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#28
bis(2-Chloroethoxy)methane
Concen: 46.478 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	12.0	9.5	14.3

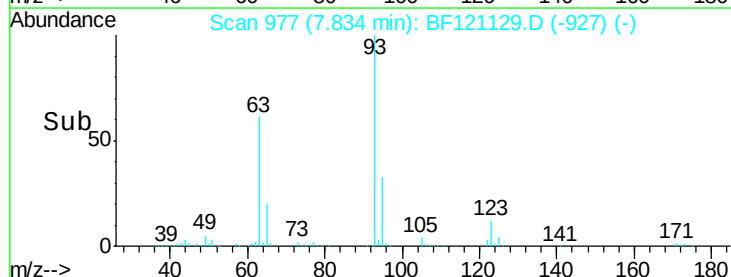
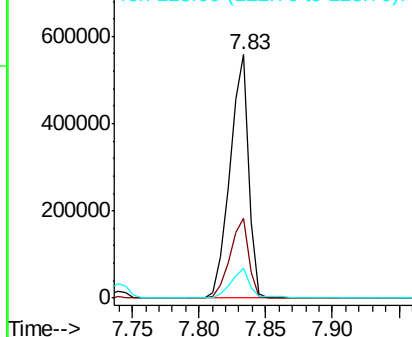


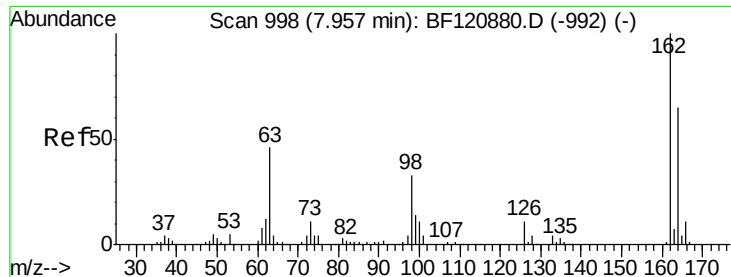
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E



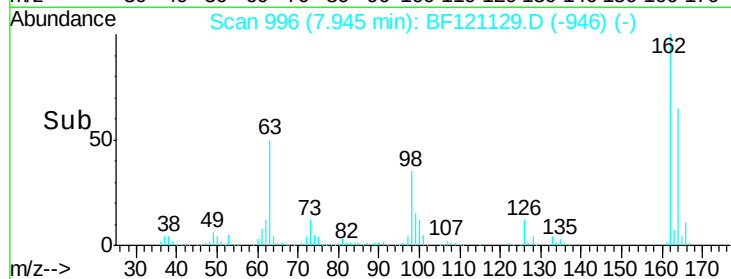
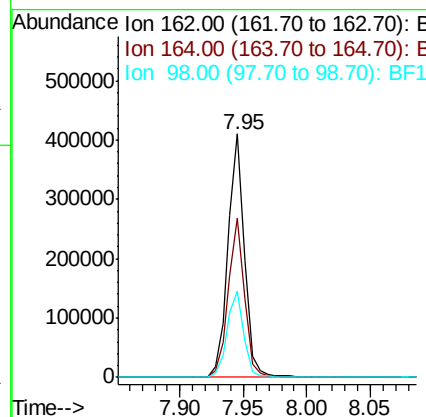
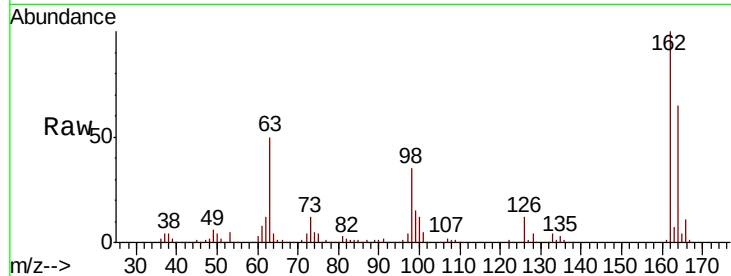


#29
2,4-Dichlorophenol
Concen: 45.142 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampled :
OK-02-072820MSD

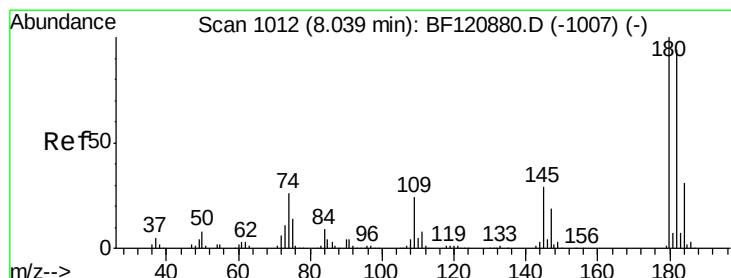
Tot Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.7	84.7
98	35.5	14.2	54.2

Manual Integrations
APPROVED



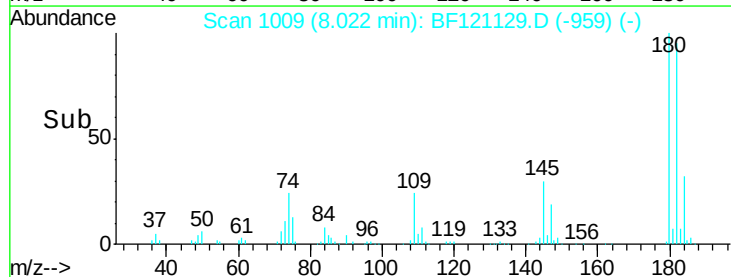
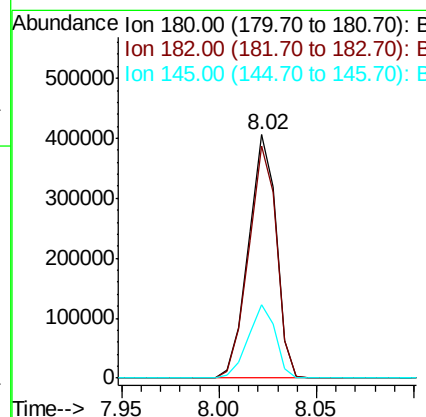
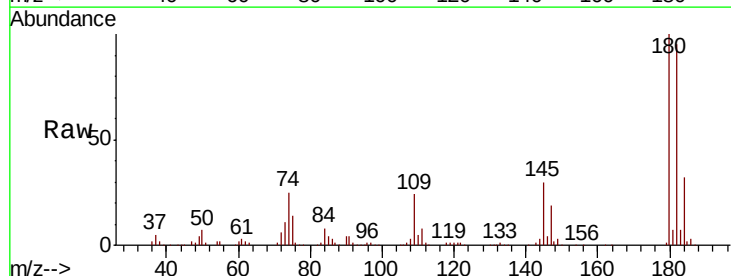
Sohil

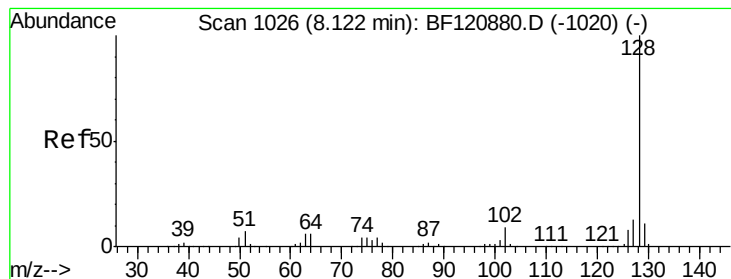
7/31/2020 12:11:50 PM



#30
1,2,4-Trichlorobenzene
Concen: 43.554 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
145	30.4	24.2	36.4





#31

Naphthalene

Concen: 43.443 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

BNA_F

ClientSampleId :

OK-02-072820MSD

Tot Ion:128 Resp: 1255085

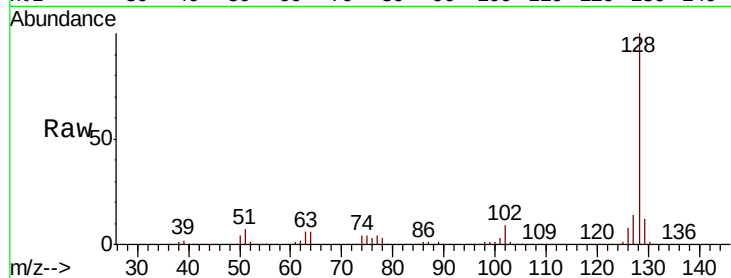
Ion Ratio Lower Upper

128 100

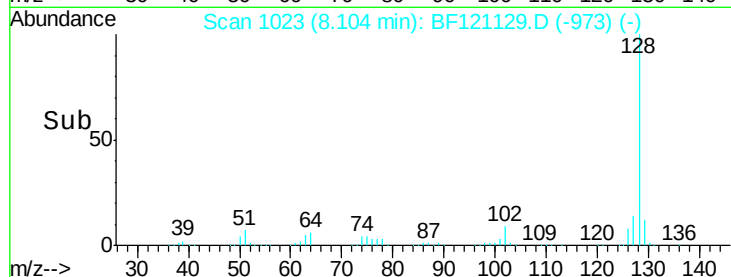
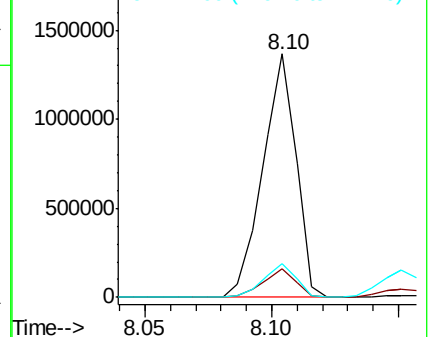
129 11.7 9.3 13.9

127 13.7 10.8 16.2

Manual Integrations
APPROVED

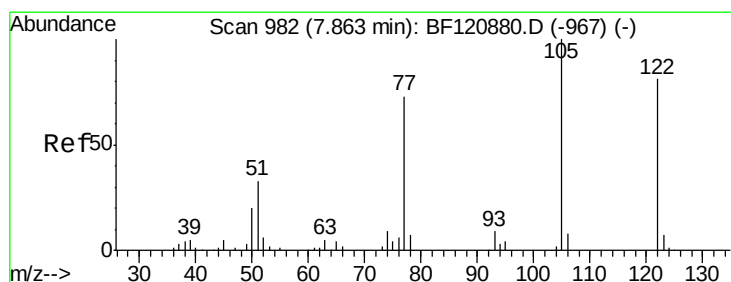


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Sohil

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#32

Benzoic acid

Concen: 15.391 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.02 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

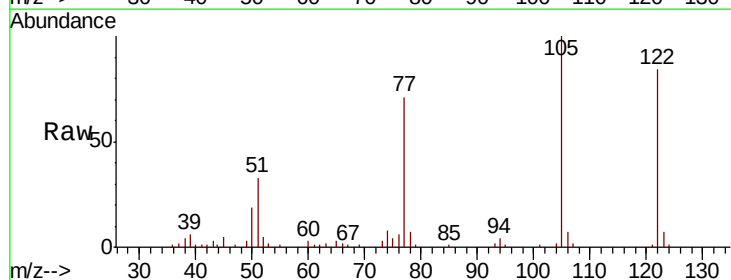
Tgt Ion:122 Resp: 93461

Ion Ratio Lower Upper

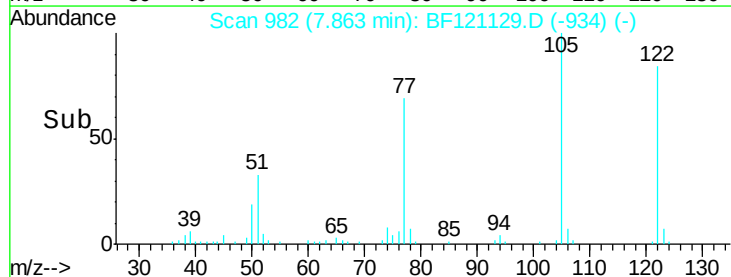
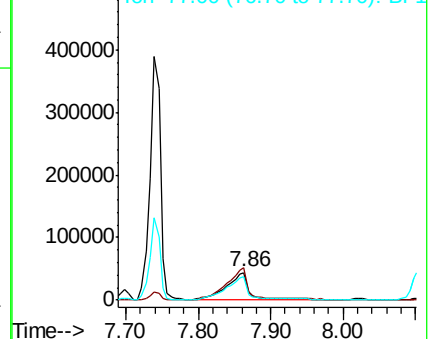
122 100

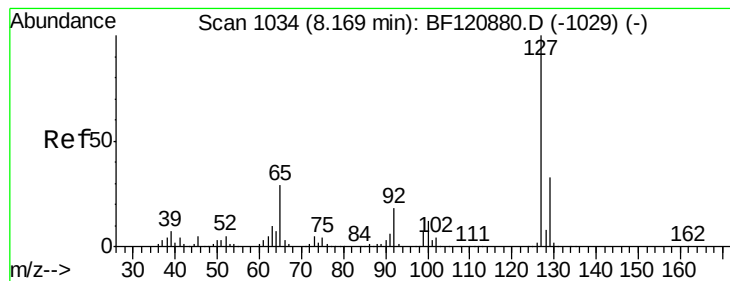
105 119.2 100.9 140.9

77 84.0 67.8 107.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 17.627 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

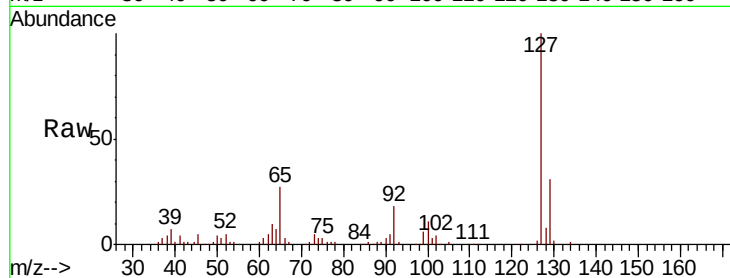
BNA_F

ClientSampleId :

OK-02-072820MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.2	26.2	39.2
65	27.5	21.4	32.0
92	17.7	13.8	20.8

Manual Integrations
APPROVED



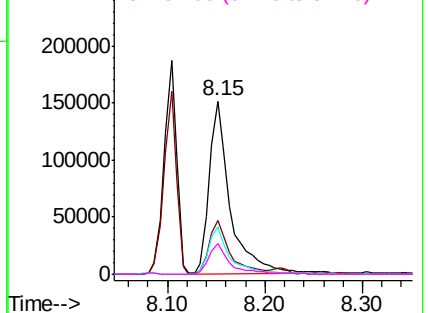
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

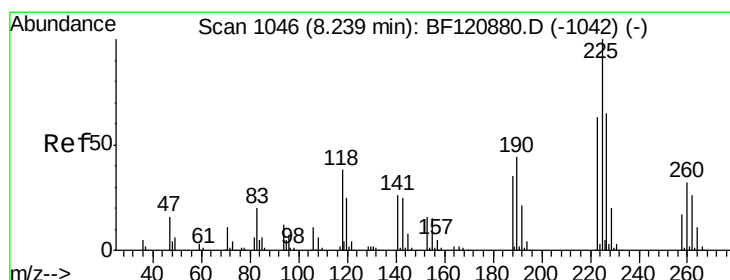
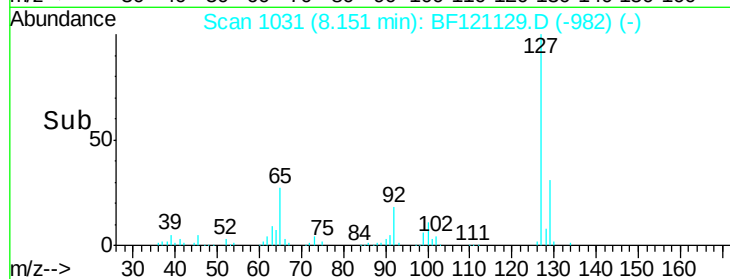
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



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#34

Hexachlorobutadiene

Concen: 42.048 ng

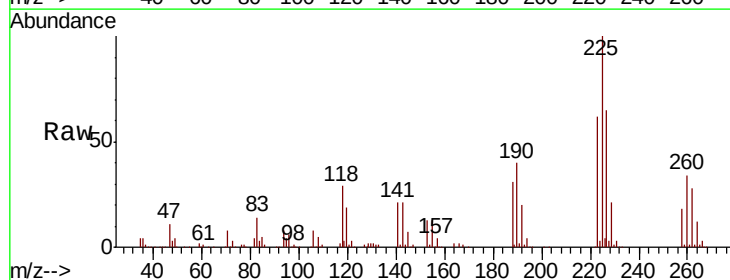
RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.7	74.5
227	64.8	51.4	77.0

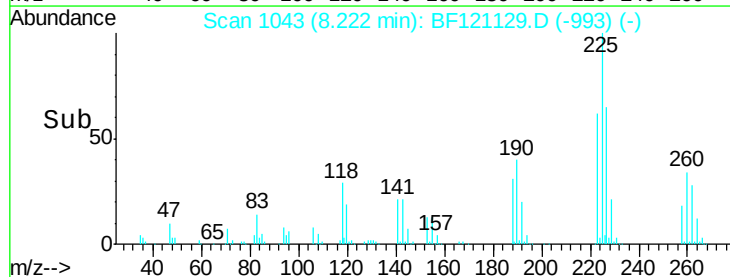
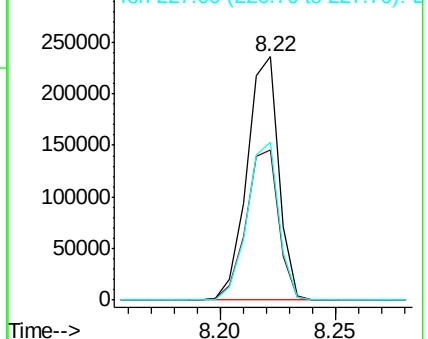


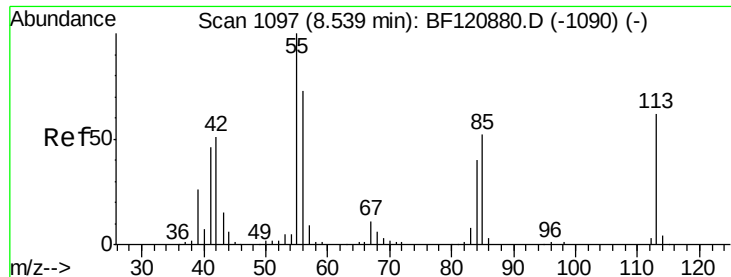
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



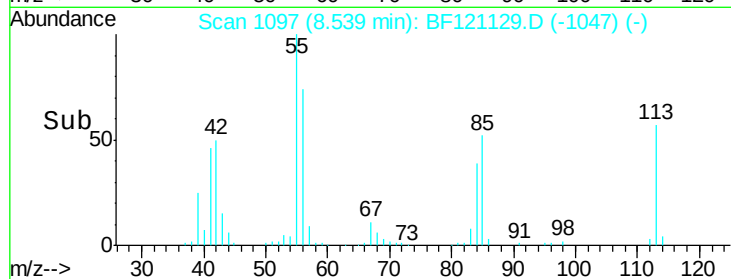
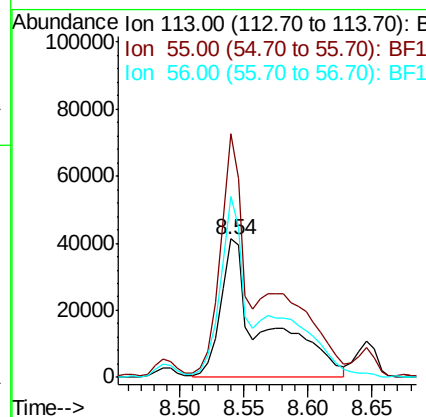
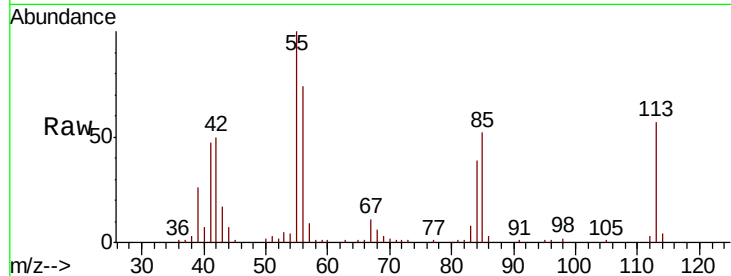


#35
Caprolactam
Concen: 36.818 ng/ml
RT: 8.54 min Scan# 1097
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleID :
OK-02-072820MSD

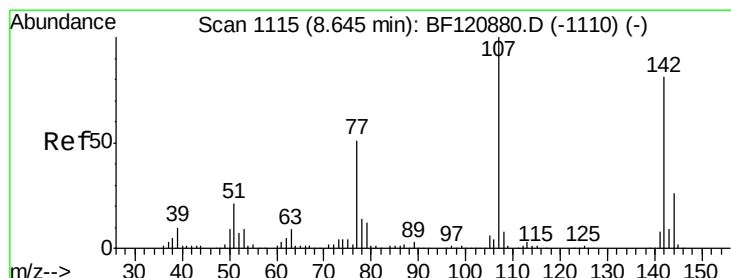
Tot Ion	Ratio	Lower	Upper
113	100		
55	175.8	131.0	171.0#
56	130.3	90.4	130.4

Manual Integrations
APPROVED



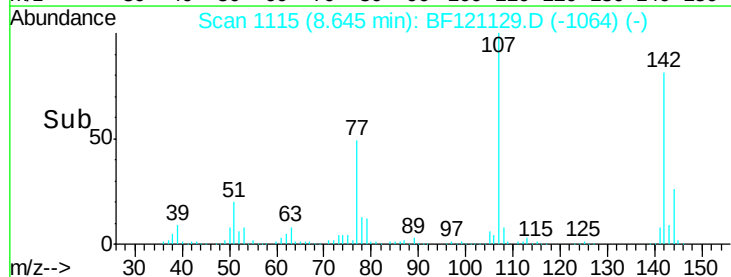
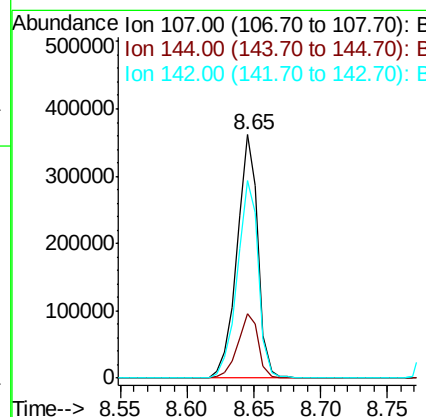
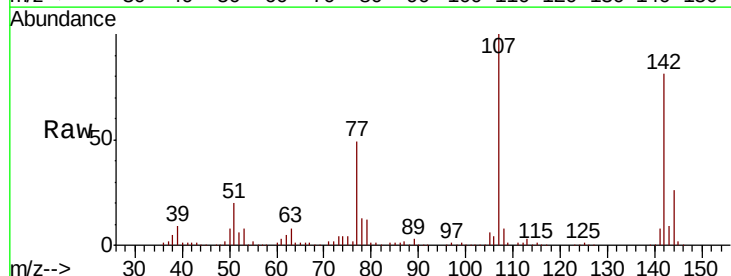
Sohil

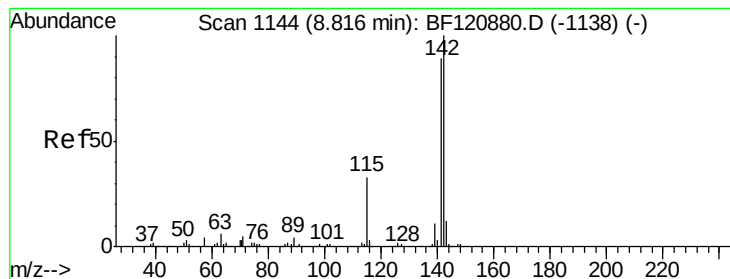
7/31/2020 12:11:50 PM



#36
4-Chloro-3-methylphenol
Concen: 47.008 ng/ml
RT: 8.65 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.9	31.3
142	81.1	64.5	96.7



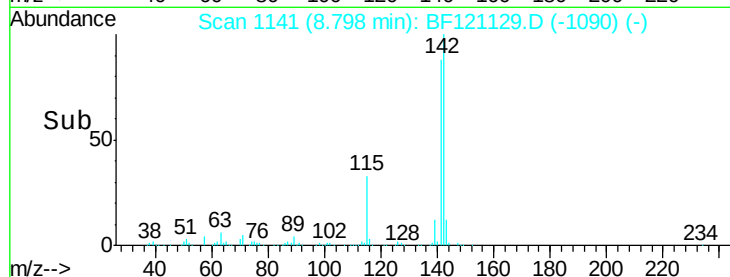
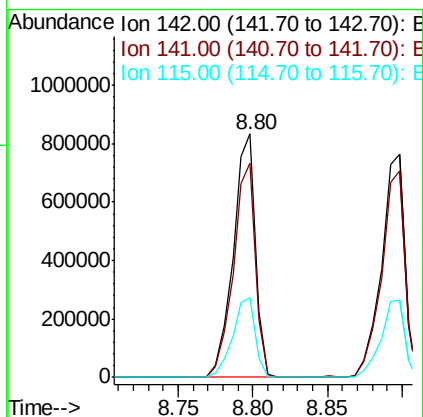
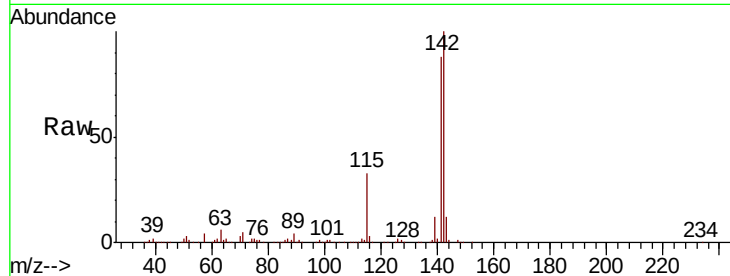


#37
2-Methylnaphthalene
Concen: 46.374 ng
RT: 8.80 min Scan# 1141
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

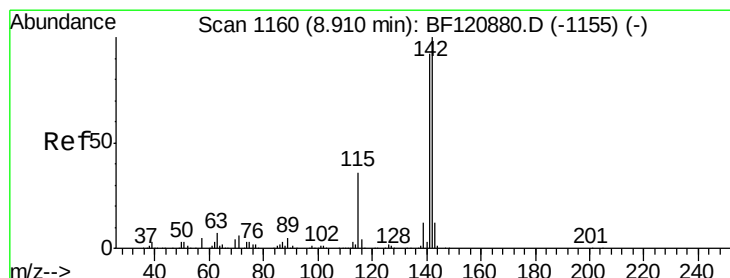
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.6	105.8
115	32.7	27.1	40.7

Manual Integrations
APPROVED



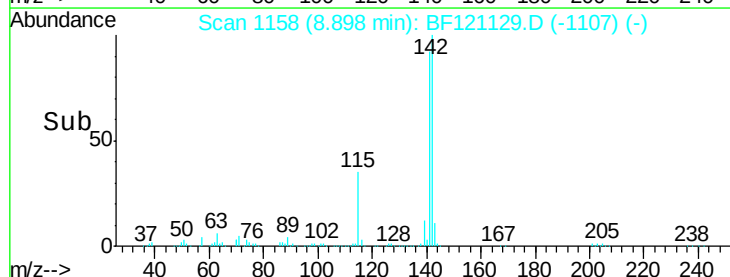
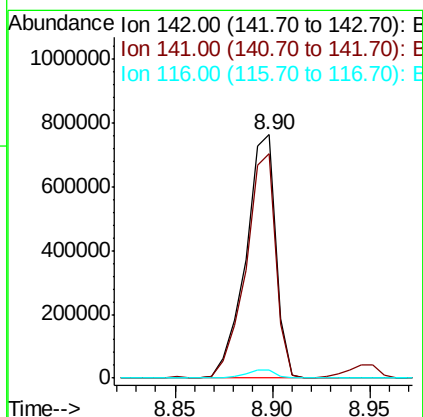
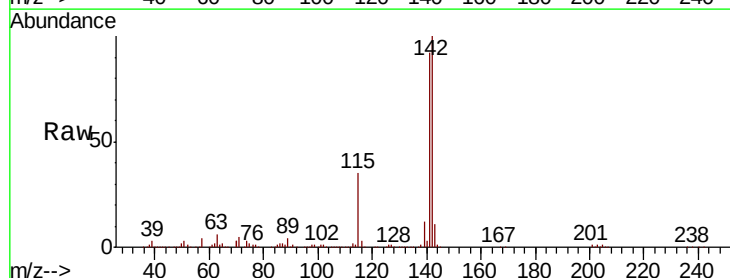
Sohil

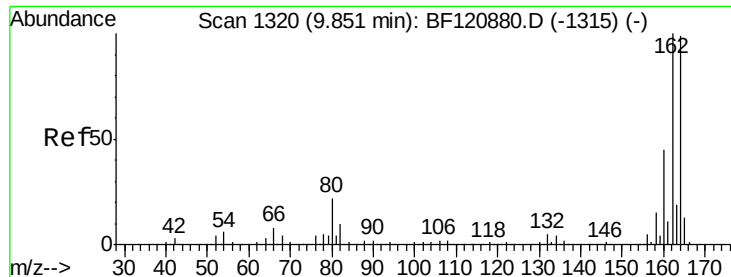
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#38
1-Methylnaphthalene
Concen: 45.764 ng
RT: 8.90 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.0	109.6
116	3.4	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

BNA_F

ClientSampleId :

OK-02-072820MSD

Tot Ion:164 Resp: 296238

Ion Ratio Lower Upper

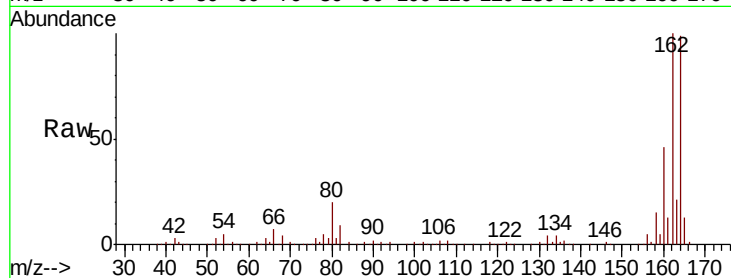
164 100

162 100.5 82.2 123.2

160 46.2 37.2 55.8

Manual Integrations

APPROVED

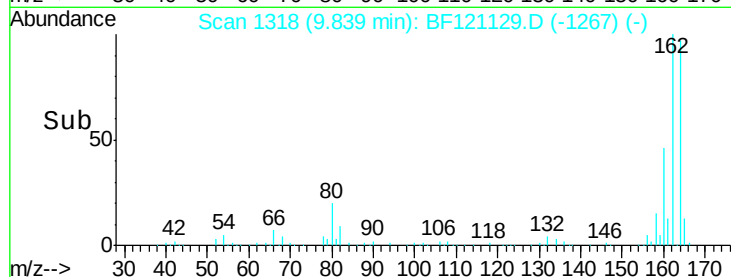
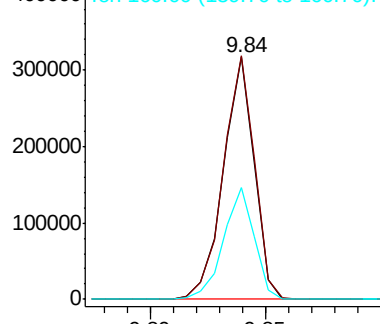


Abundance

Ion 164.00 (163.70 to 164.70): E

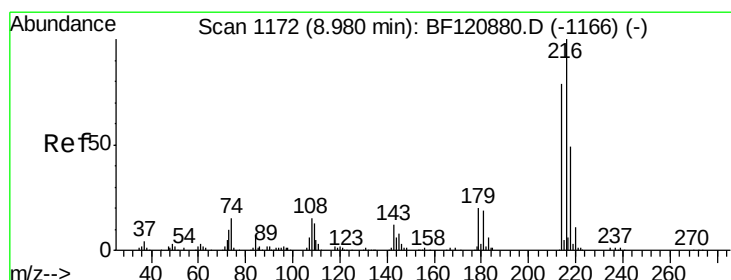
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



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#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.574 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Tgt Ion:216 Resp: 393357

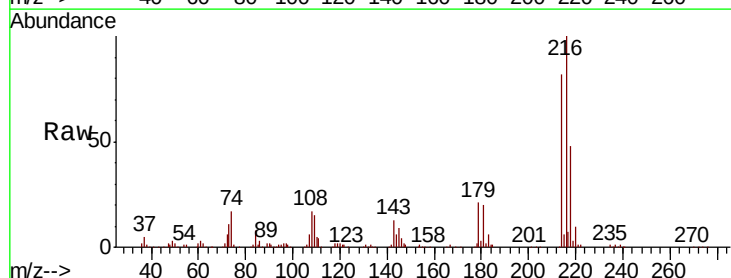
Ion Ratio Lower Upper

216 100

214 80.4 63.9 95.9

179 20.5 16.6 24.8

108 19.9 15.0 22.4



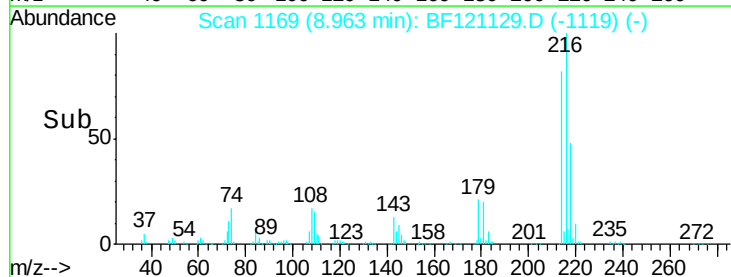
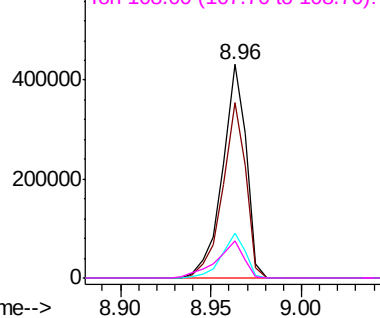
Abundance

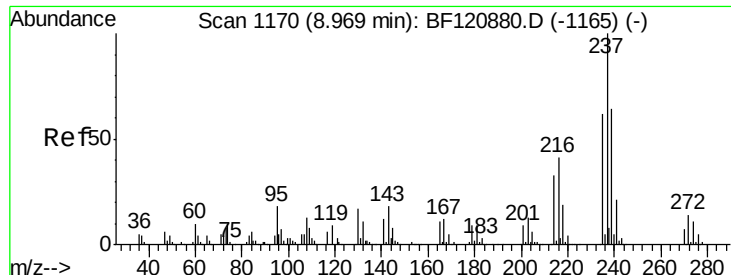
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



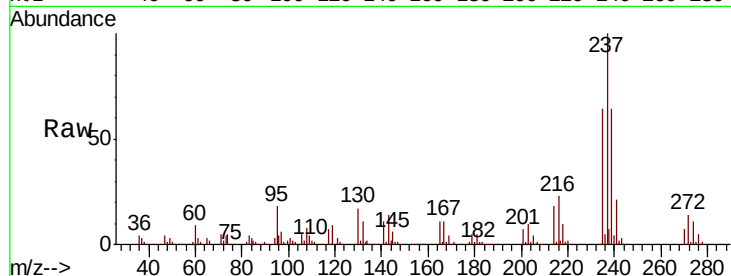


#41
Hexachlorocyclopentadiene
Concen: 80.931 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

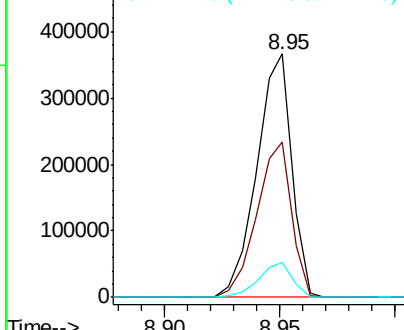
Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

Tot Ion:	237	Resp:	386062
Ion Ratio	Lower	Upper	
237	100		
235	64.0	43.2	83.2
272	14.4	0.0	33.6

Manual Integrations
APPROVED

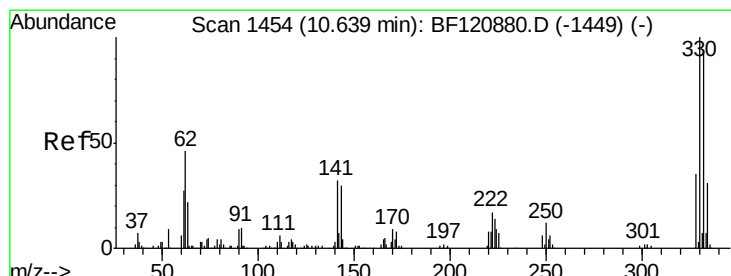
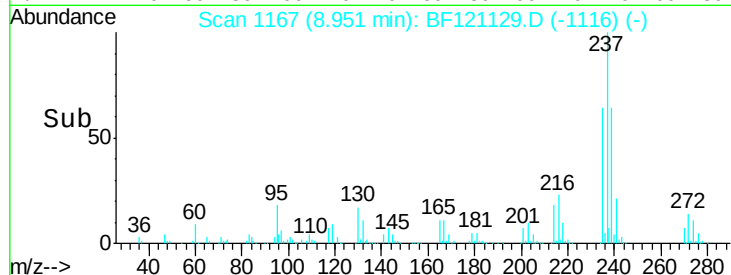


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



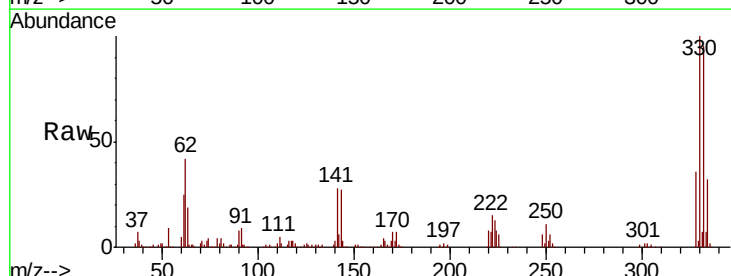
Sohil

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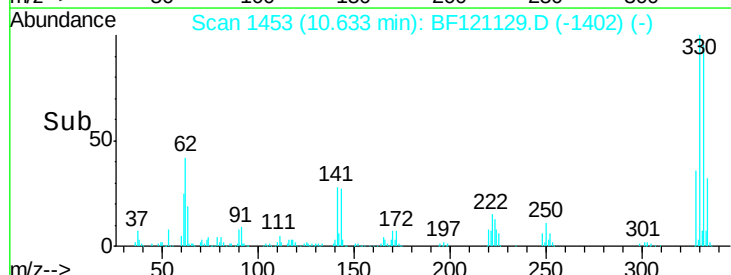
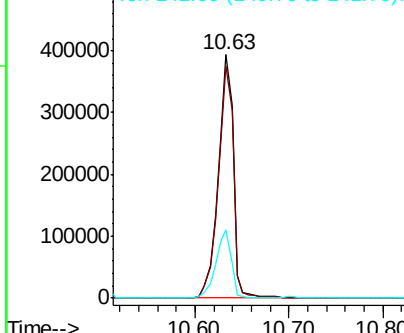


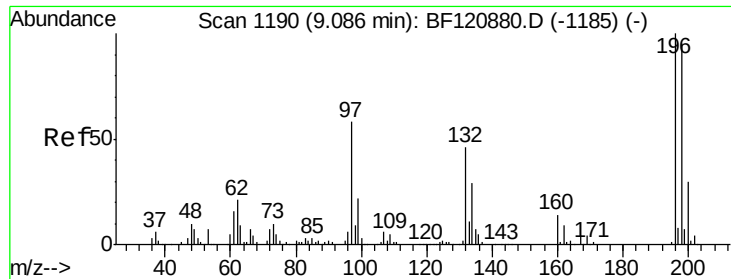
#42
2,4,6-Tribromophenol
Concen: 135.820 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion:	330	Resp:	440411
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.1	114.1
141	29.0	24.1	36.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



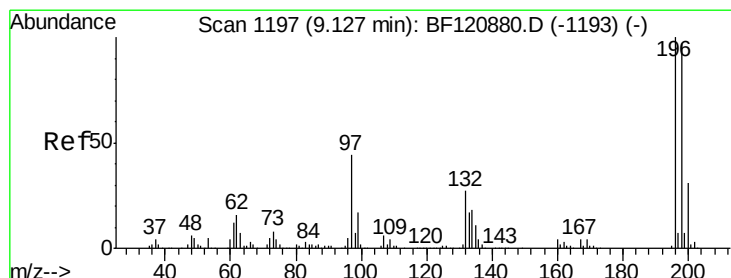
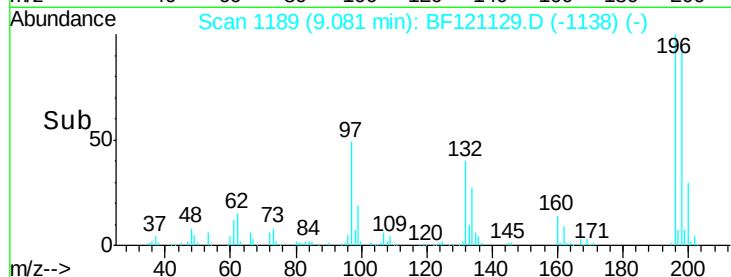
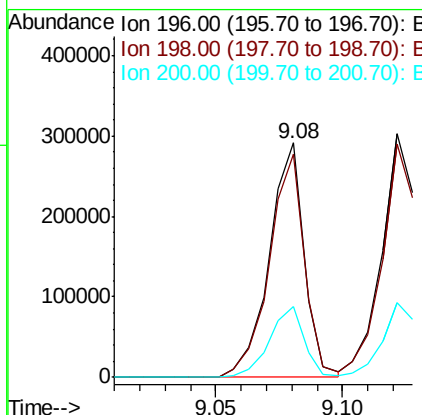
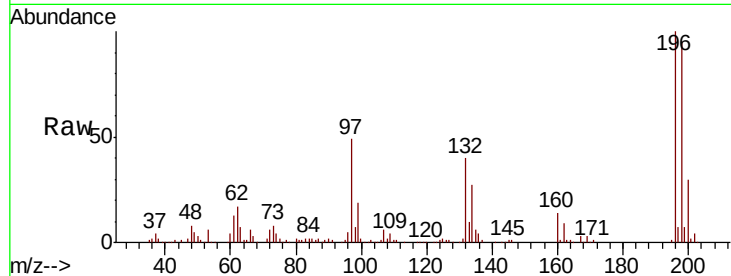


#43
 2,4,6-Trichlorophenol
 Concen: 45.843 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820MSD

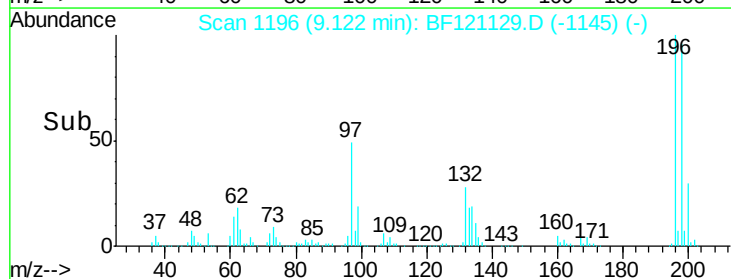
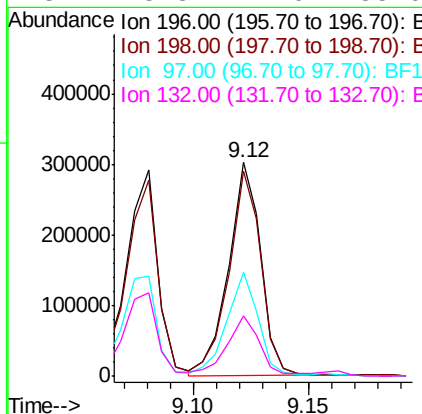
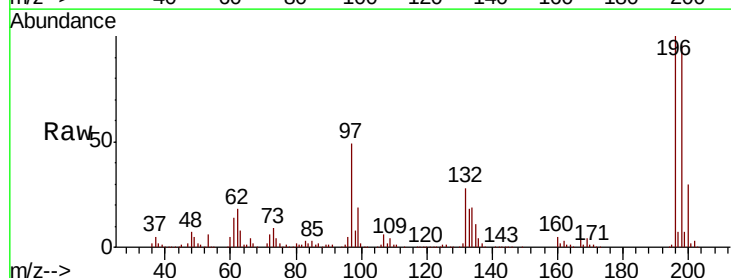
Tot Ion:	196	Resp:	278594
Ion Ratio	Lower	Upper	
196	100		
198	95.1	77.5	116.3
200	30.3	24.6	37.0

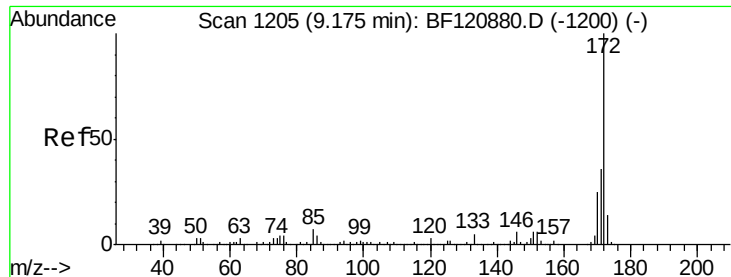
Manual Integrations
 APPROVED



#44
 2,4,5-Trichlorophenol
 Concen: 42.519 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Tgt Ion:	196	Resp:	293100
Ion Ratio	Lower	Upper	
196	100		
198	96.1	76.2	114.4
97	48.7	37.3	55.9
132	28.3	22.0	33.0



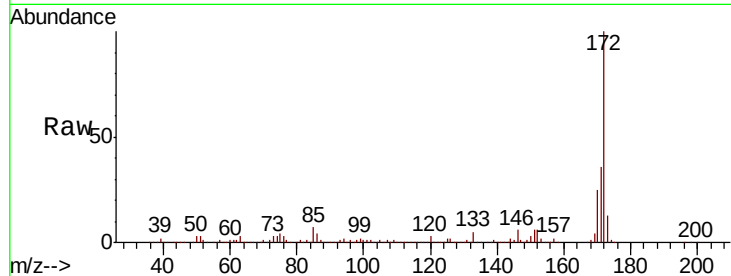


#45
2-Fluorobiphenyl
Concen: 78.934 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

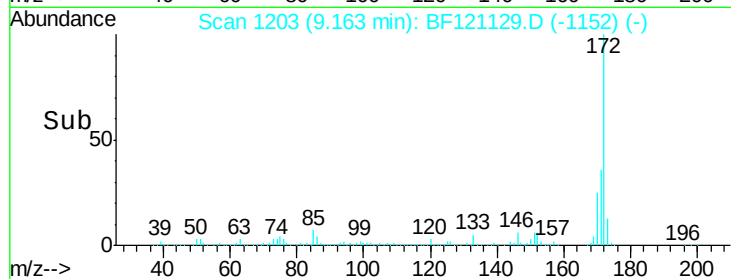
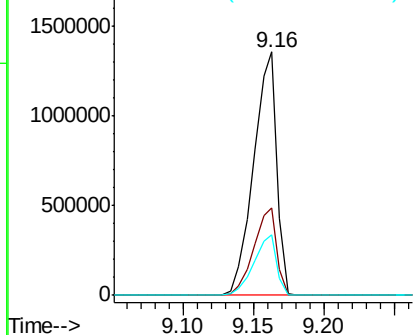
Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	24.7	19.6	29.4

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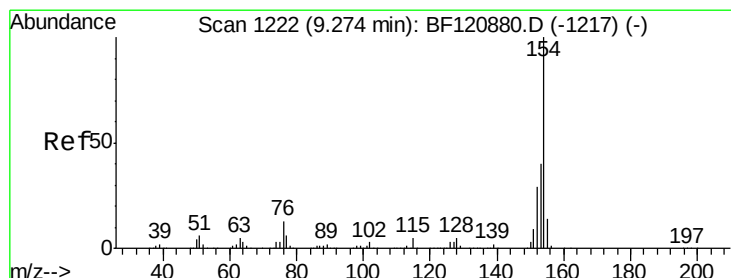


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



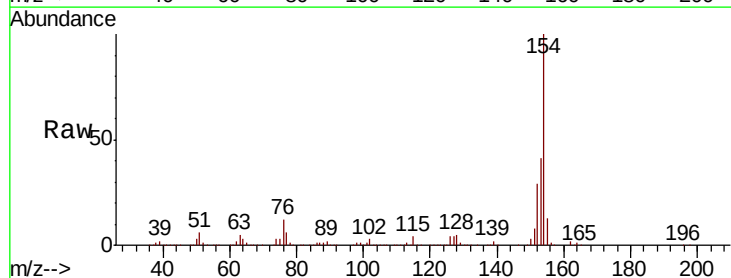
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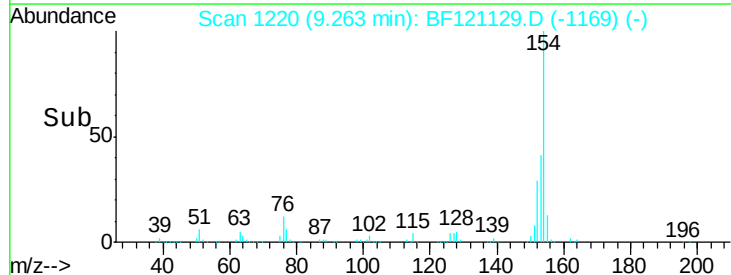
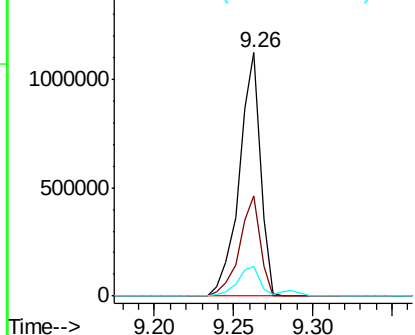


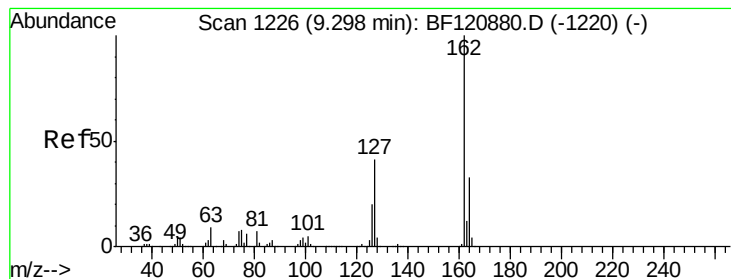
#46
1,1'-Biphenyl
Concen: 45.588 ng
RT: 9.26 min Scan# 1220
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.6	60.6
76	12.1	0.0	33.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 43.445 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

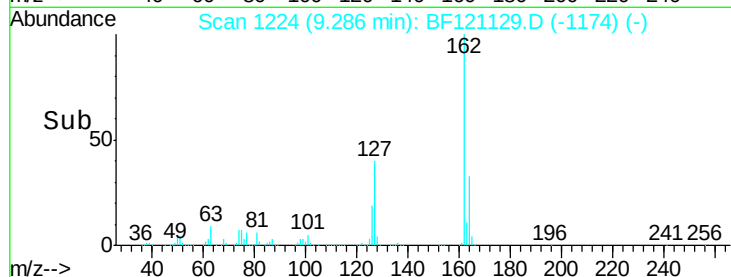
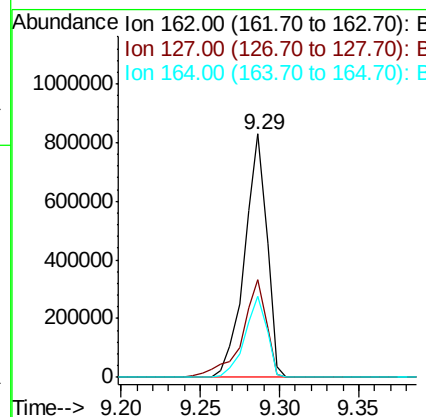
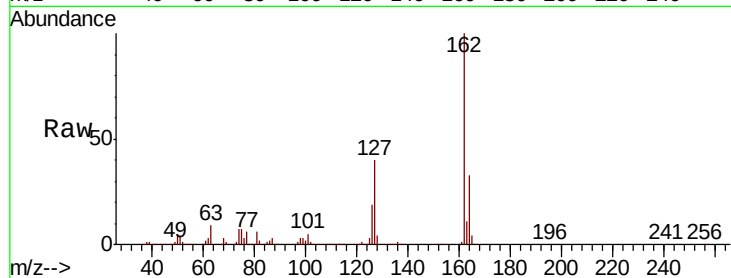
BNA_F

ClientSampleId :

OK-02-072820MSD

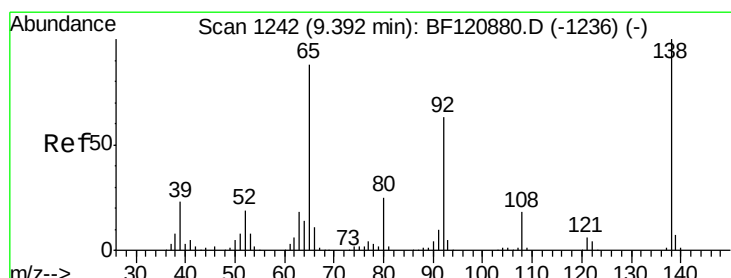
Tot Ion:	162	Resp:	800404
Ion Ratio	Lower	Upper	
162	100		
127	40.2	31.1	46.7
164	33.5	26.6	40.0

Manual Integrations
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#48

2-Nitroaniline

Concen: 45.576 ng

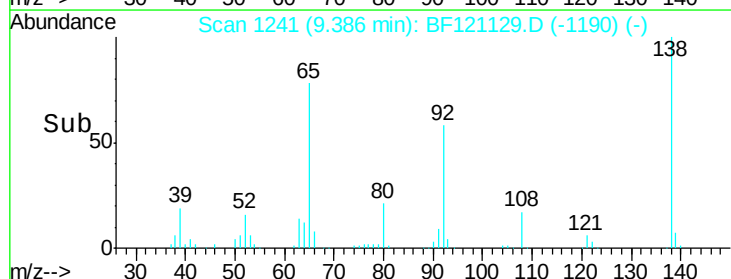
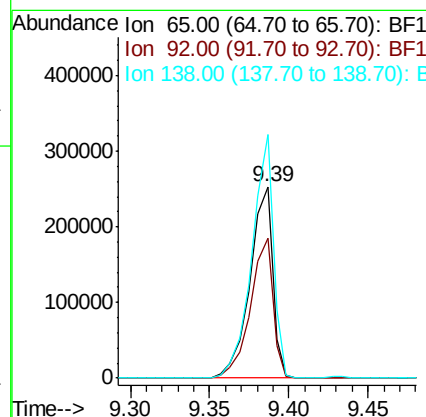
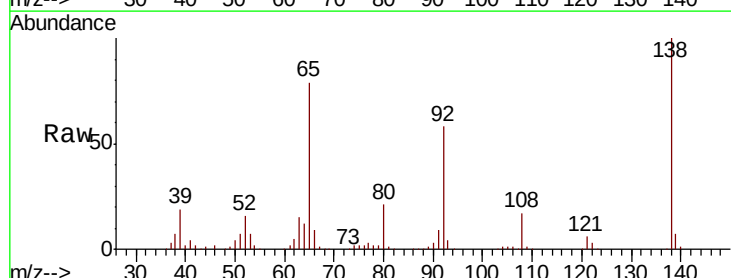
RT: 9.39 min Scan# 1241

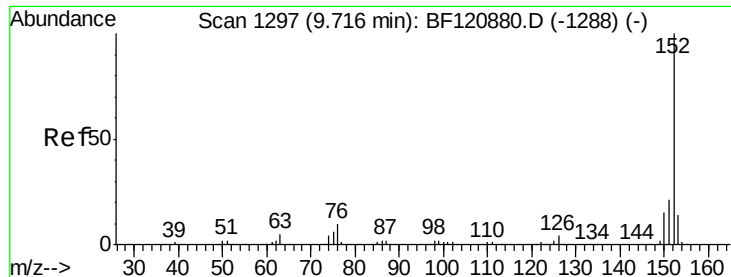
Delta R.T. 0.00 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Tgt Ion:	65	Resp:	253754
Ion Ratio	Lower	Upper	
65	100		
92	73.2	58.0	87.0
138	127.2	93.3	139.9





#49

Acenaphthylene

Concen: 45.240 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

BNA_F

ClientSampleId :

OK-02-072820MSD

Tot Ion:152 Resp: 1294820

Ion Ratio Lower Upper

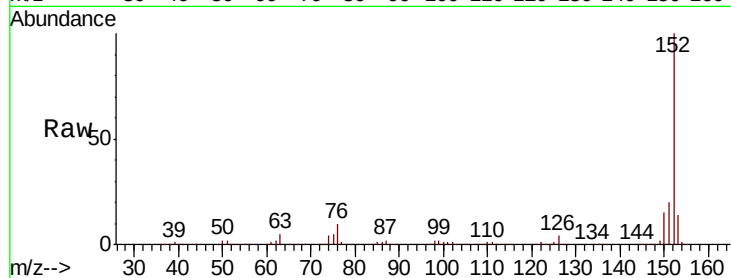
152 100

151 20.4 16.6 25.0

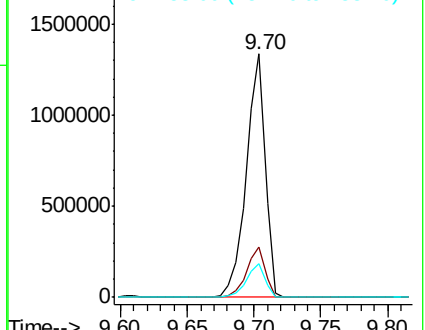
153 13.7 11.0 16.4

Manual Integrations

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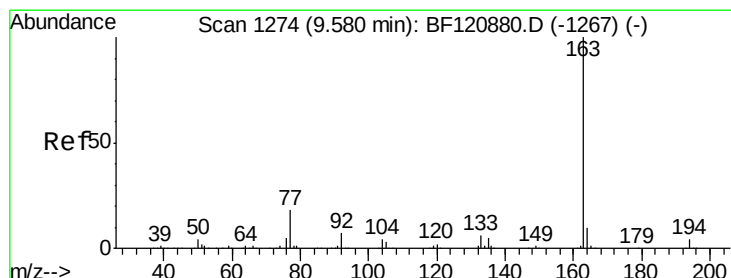
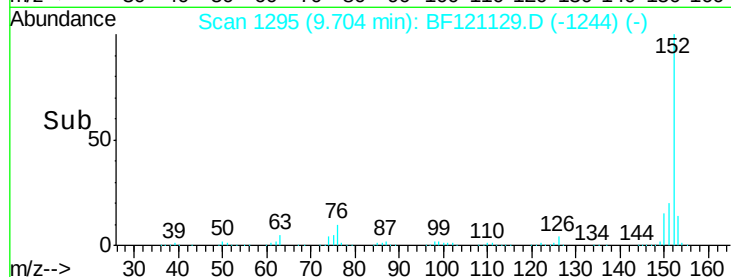


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



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#50

Dimethylphthalate

Concen: 47.659 ng

RT: 9.57 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

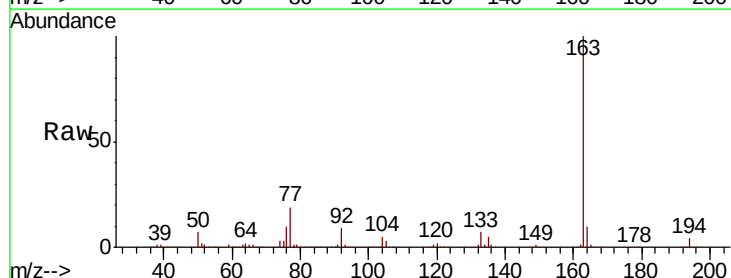
Tgt Ion:163 Resp: 1018557

Ion Ratio Lower Upper

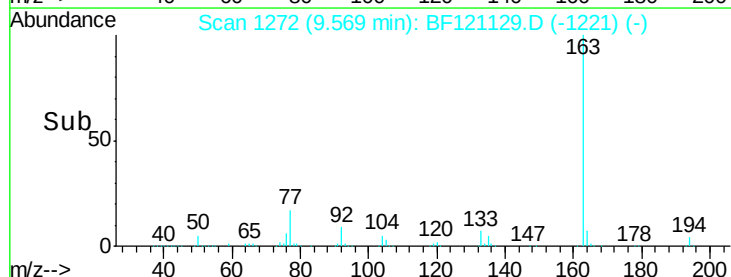
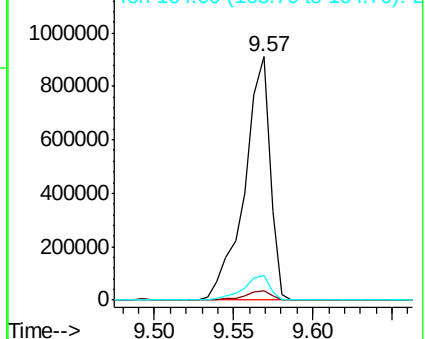
163 100

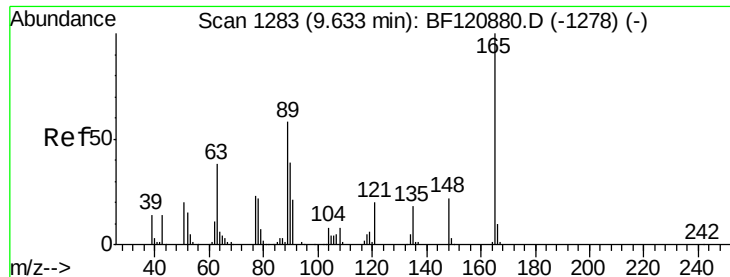
194 4.0 3.0 4.4

164 10.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



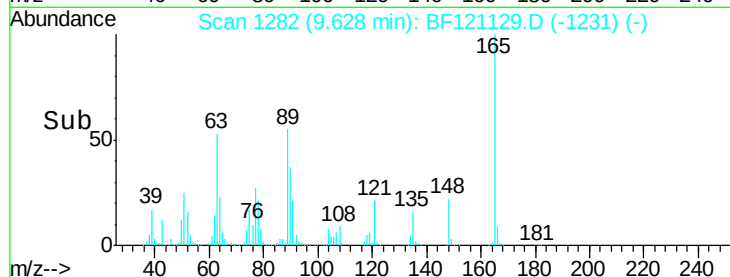
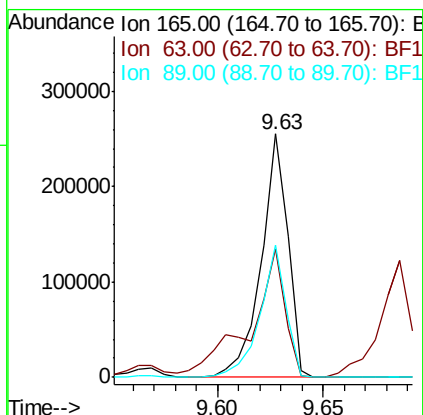
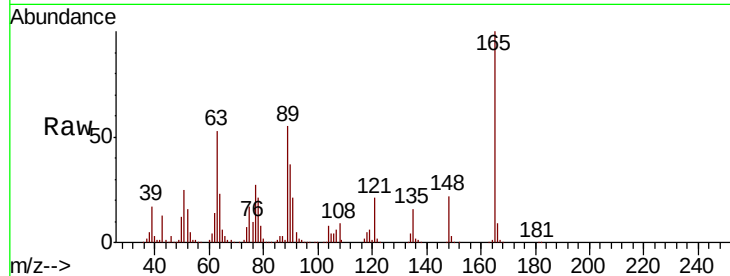


#51
2,6-Dinitrotoluene
Concen: 48.895 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

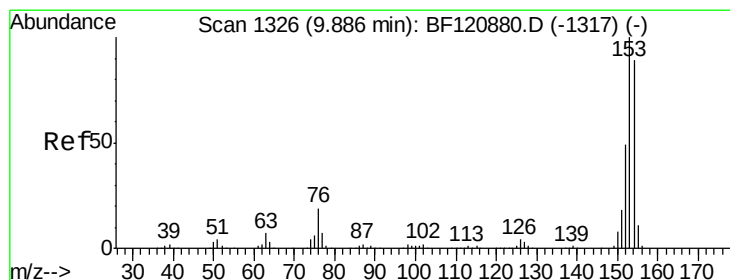
Tot Ion:	165	Resp:	224500
Ion Ratio	Lower	Upper	
165	100		
63	52.6	41.1	61.7
89	54.6	43.5	65.3

Manual Integrations
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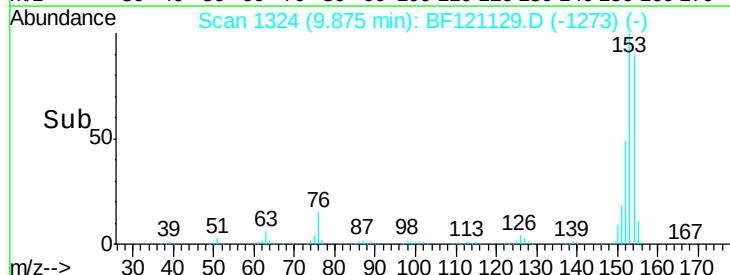
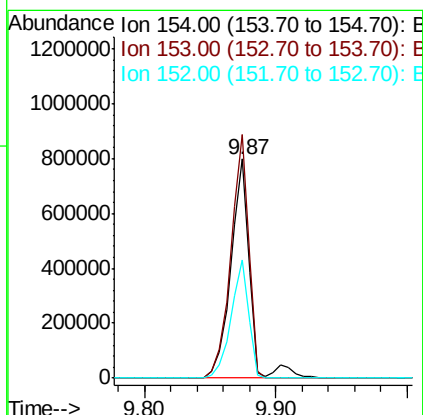
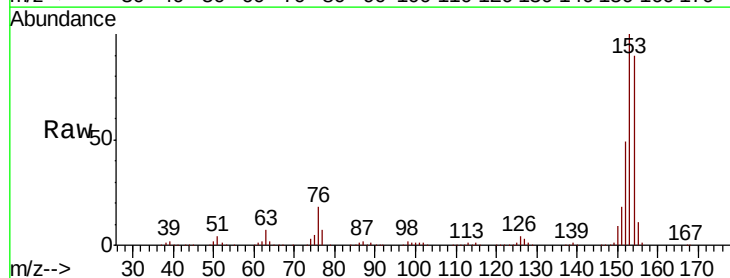
Sohil

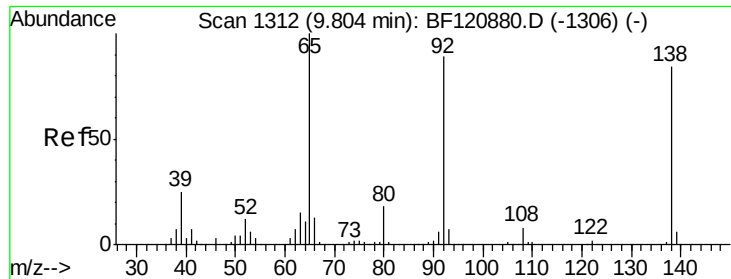
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#52
Acenaphthene
Concen: 44.276 ng m
RT: 9.87 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion:	154	Resp:	805668
Ion Ratio	Lower	Upper	
154	100		
153	111.1	89.6	134.4
152	54.2	43.8	65.6



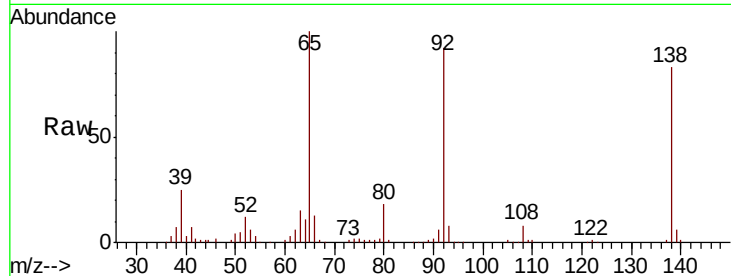


#53
3-Nitroaniline
Concen: 25.466 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.7	7.8	11.8
92	111.2	85.0	127.4

Manual Integrations
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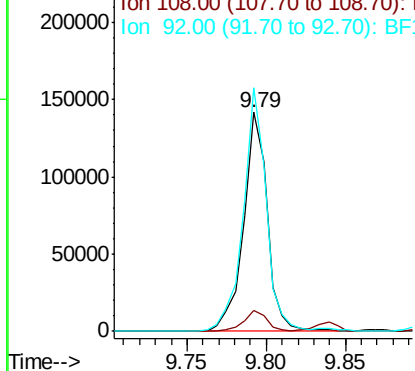


Abundance

Ion 138.00 (137.70 to 138.70): E

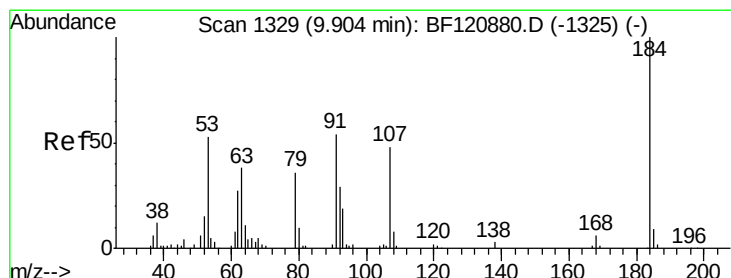
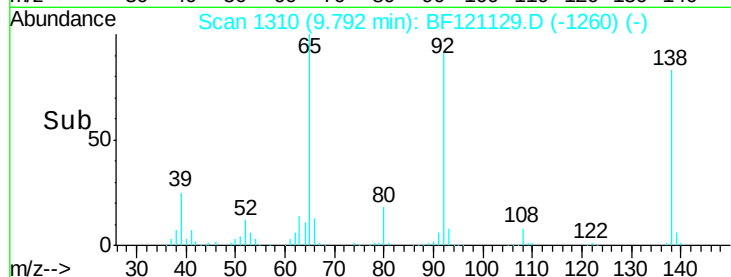
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



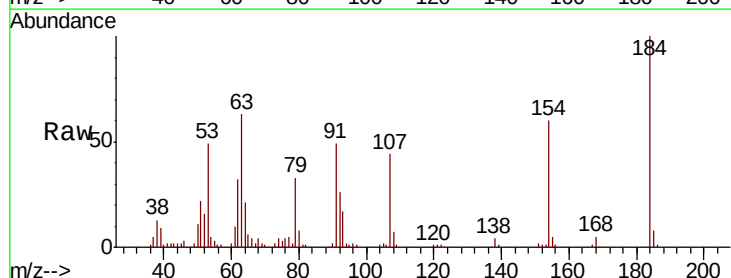
Sohil

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#54
2,4-Dinitrophenol
Concen: 38.724 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
184	100		
63	63.2	42.5	63.7
154	59.6	46.8	70.2

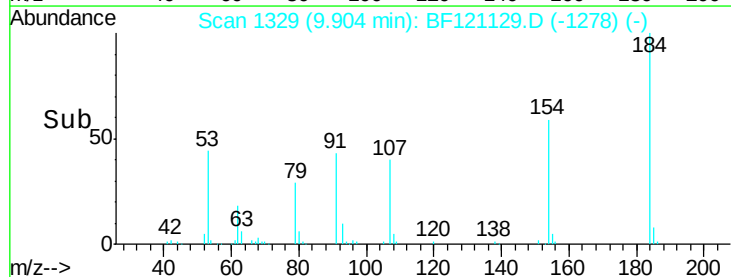
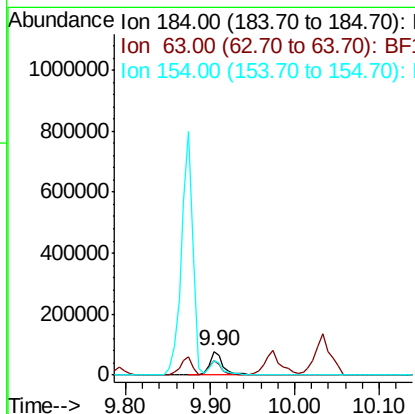


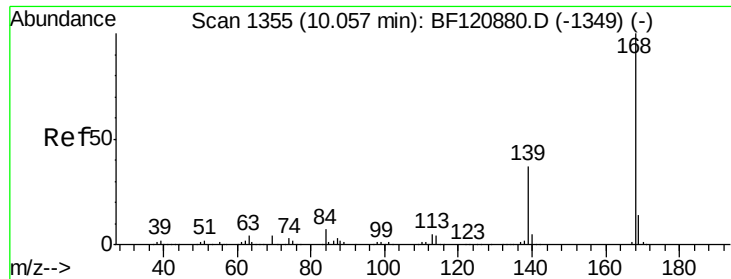
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



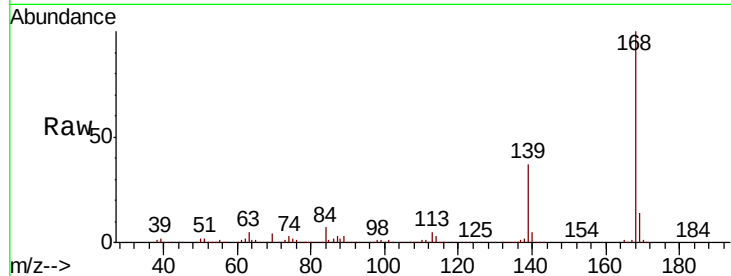


#55
Dibenzofuran
Concen: 43.197 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.0	30.1	45.1
169	13.9	11.3	16.9

Manual Integrations
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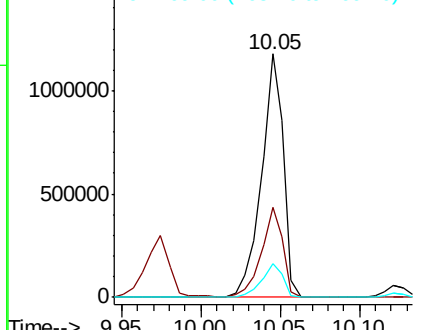


Abundance

Ion 168.00 (167.70 to 168.70): E

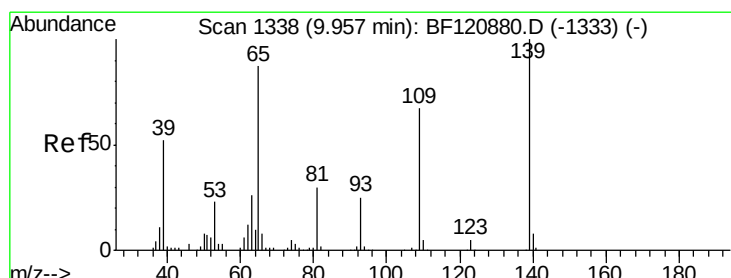
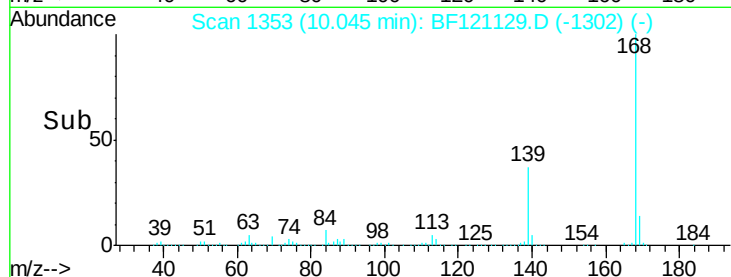
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



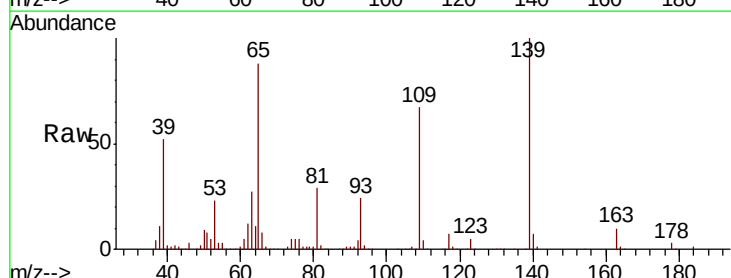
Sohil

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#56
4-Nitrophenol
Concen: 72.313 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.6	44.8	84.8
65	87.5	65.6	105.6

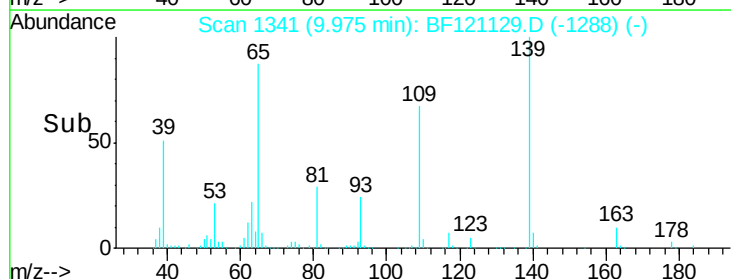
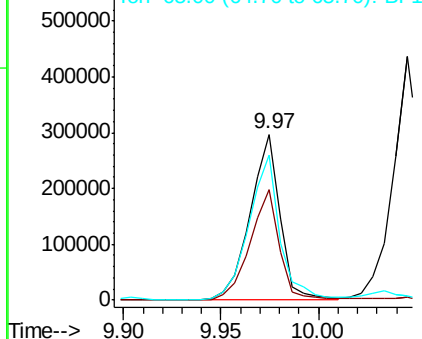


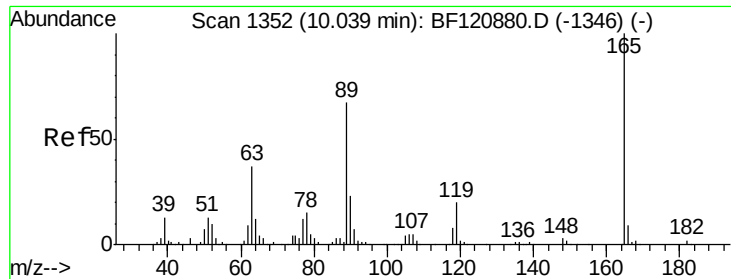
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 48.280 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

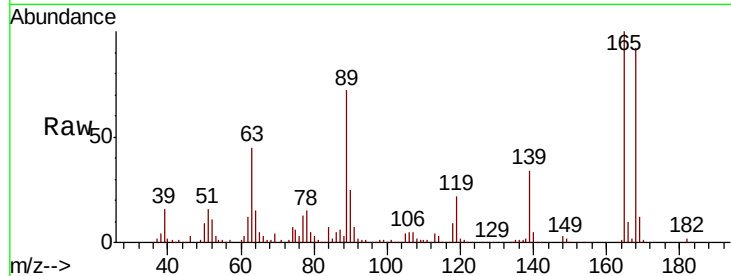
BNA_F

ClientSampleId :

OK-02-072820MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		291111		
63	45.0		29.8	44.8#	
89	72.0		50.3	75.5	
182	2.5		2.1	3.1	

Manual Integrations
APPROVED

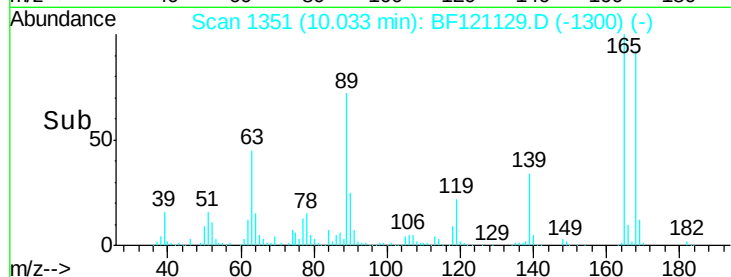
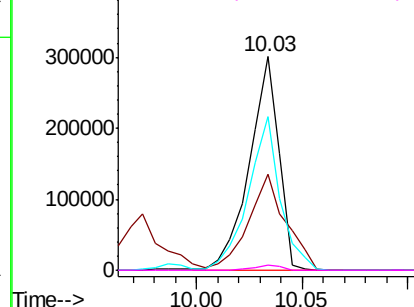


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

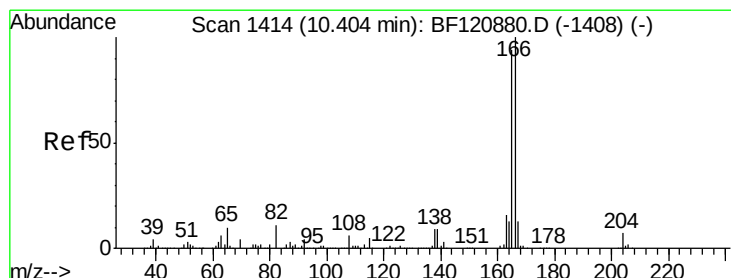
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Sohil

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#58

Fluorene

Concen: 42.834 ng

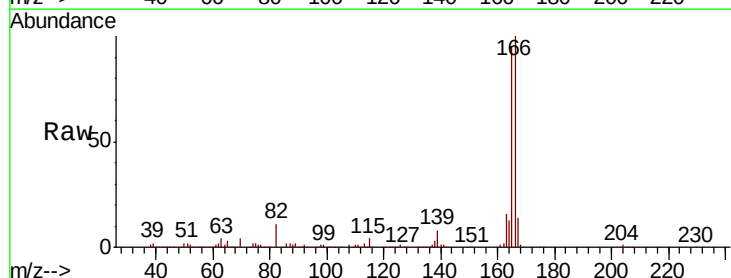
RT: 10.39 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

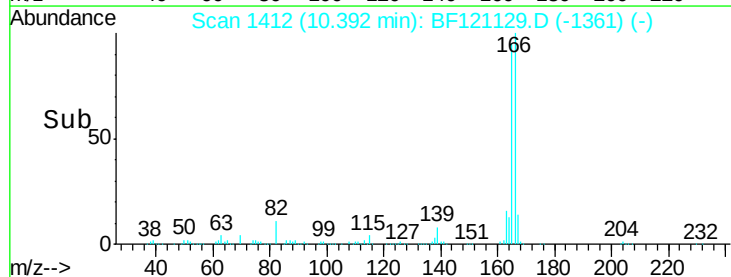
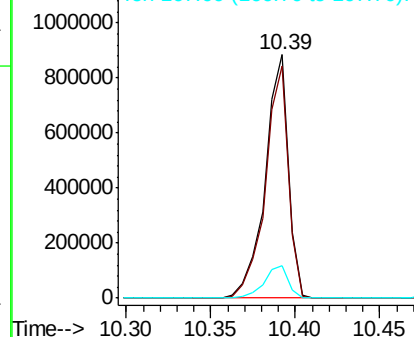
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		840643		
165	95.1		76.4	114.6	
167	13.5		10.7	16.1	

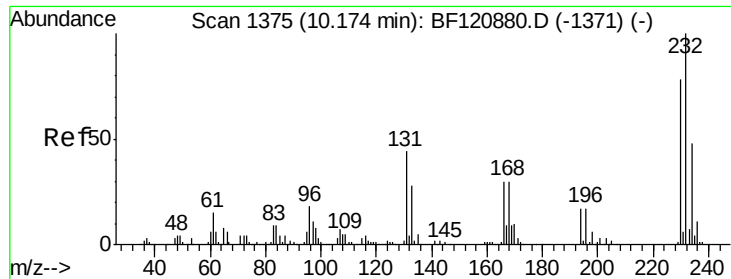


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



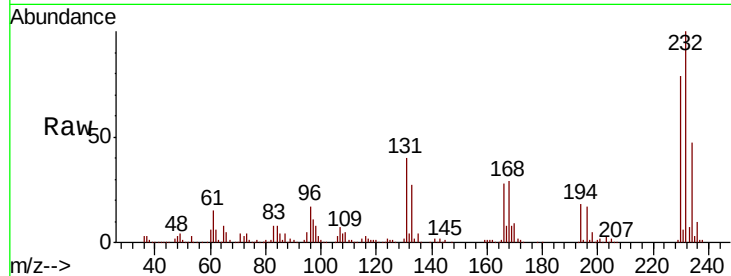


#59
2,3,4,6-Tetrachlorophenol
Concen: 48.273 ng
RT: 10.17 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

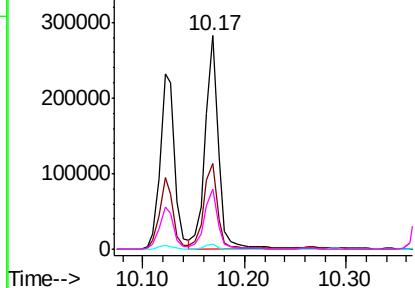
Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	41.9	34.2	51.2
130	2.1	1.7	2.5
166	28.4	23.1	34.7

Manual Integrations
APPROVED

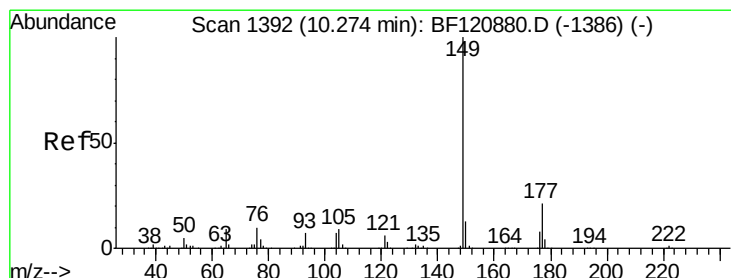
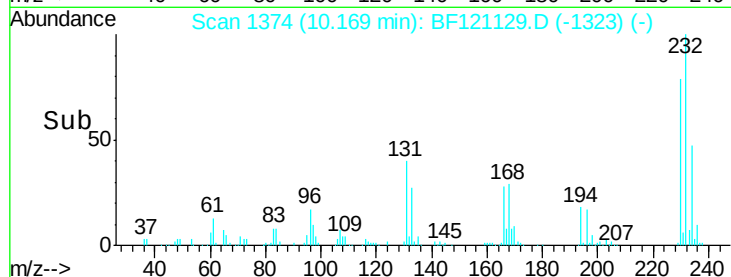


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E



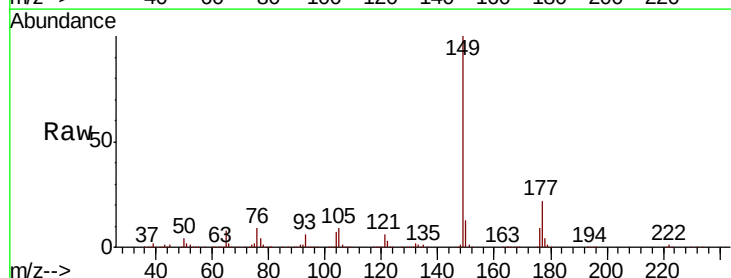
Sohil

7/31/2020 12:11:50 PM

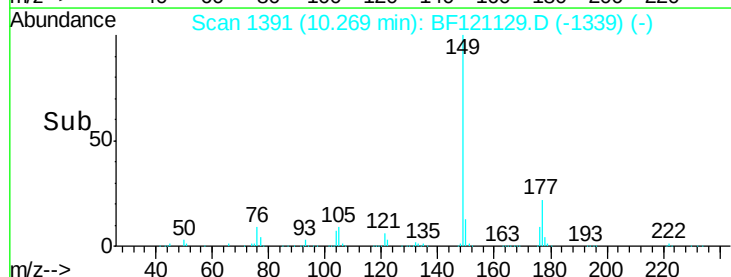
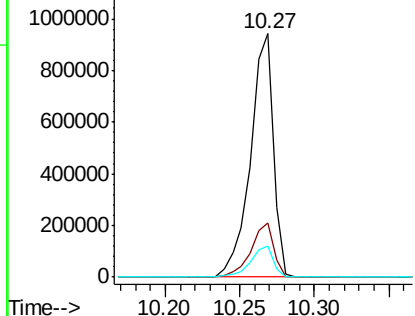


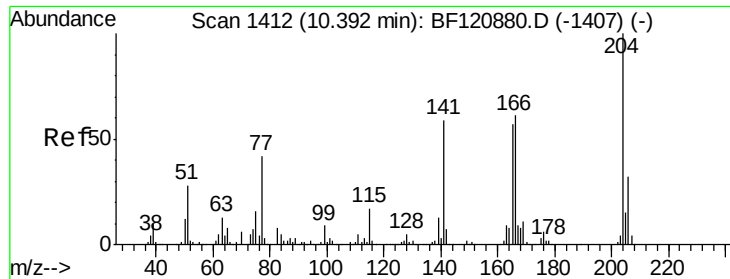
#60
Diethylphthalate
Concen: 45.925 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.6	26.4
150	12.6	10.2	15.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



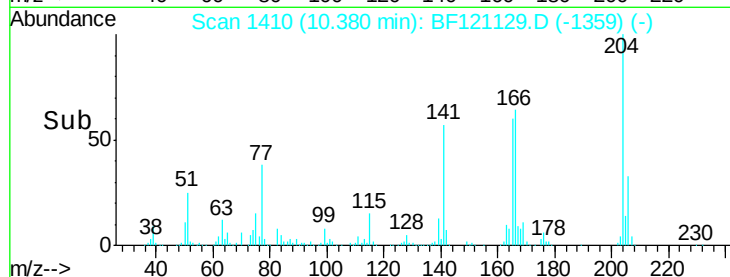
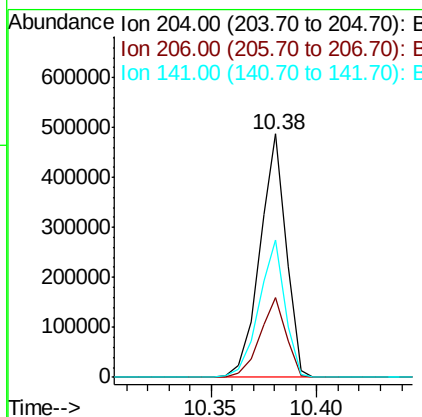
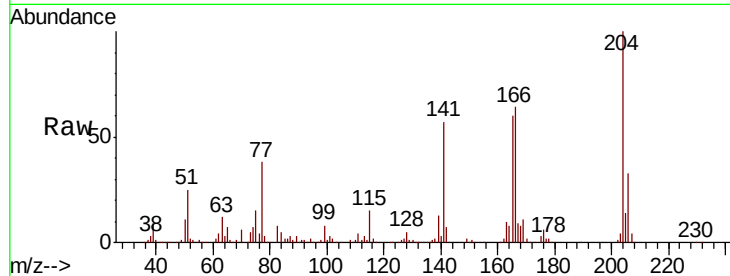


#61
4-Chlorophenyl-phenylether
Concen: 40.130 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

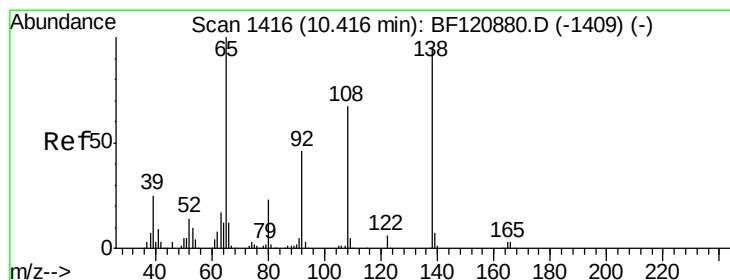
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.0	39.0
141	56.6	46.9	70.3

Manual Integrations
APPROVED



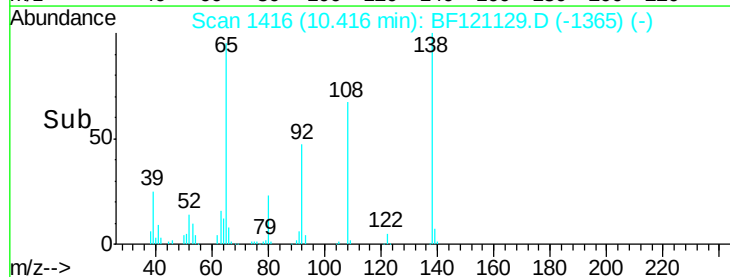
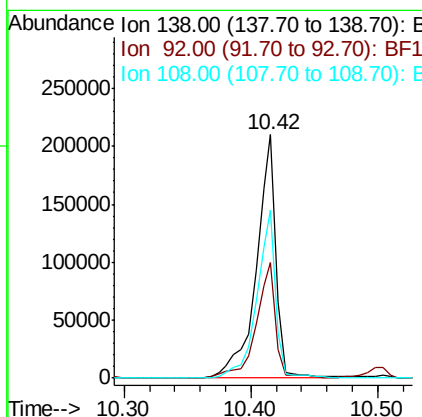
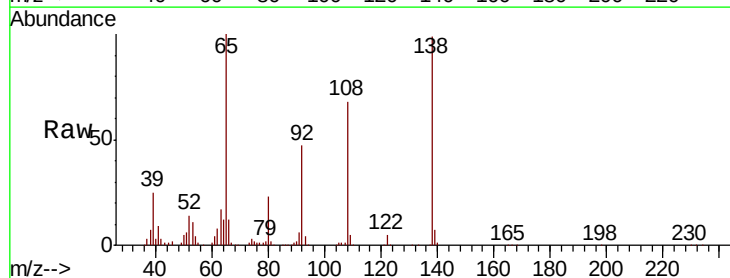
Sohil

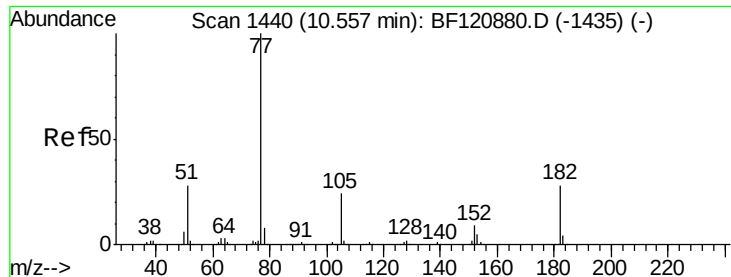
7/31/2020 12:11:50 PM



#62
4-Nitroaniline
Concen: 40.945 ng
RT: 10.42 min Scan# 1416
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.2	25.2	65.2
108	68.8	46.7	86.7



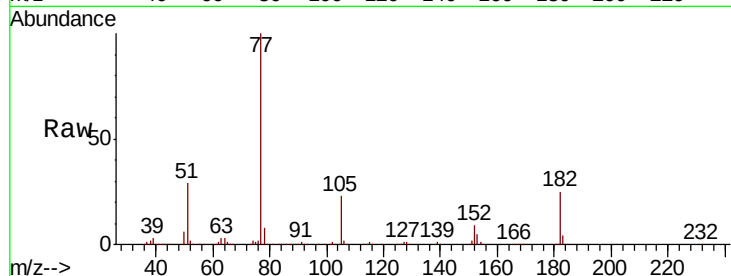


#63
Azobenzene
Concen: 44.684 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

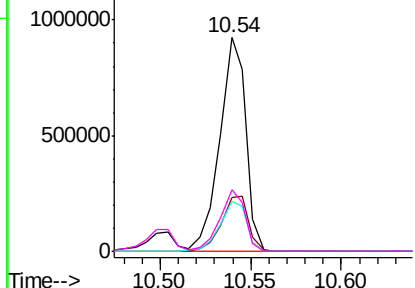
Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	25.2	4.5	44.5
105	23.3	3.4	43.4
51	28.9	8.7	48.7

Manual Integrations
APPROVED

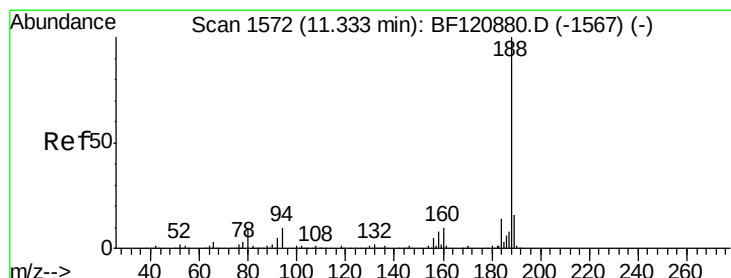
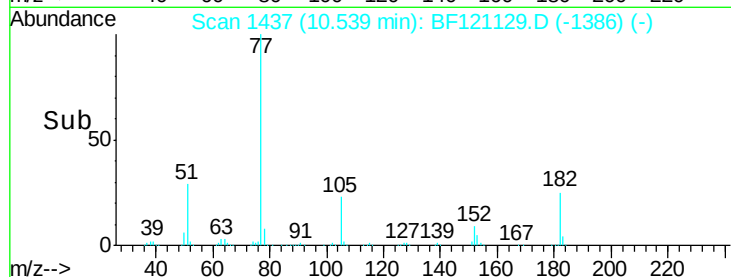


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



Sohil

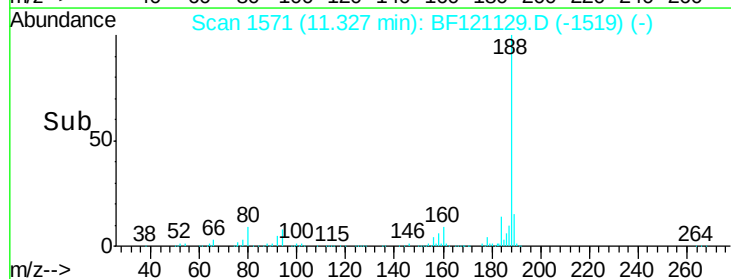
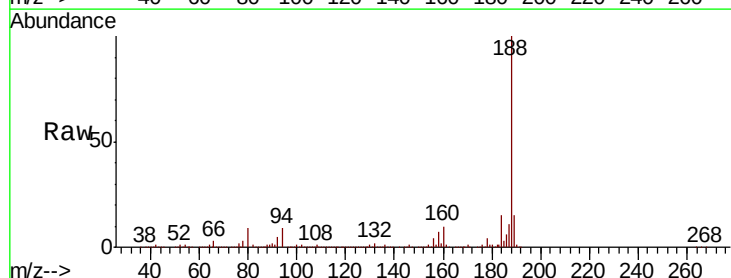
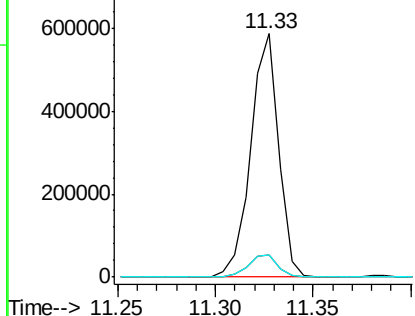
7/31/2020 12:11:50 PM

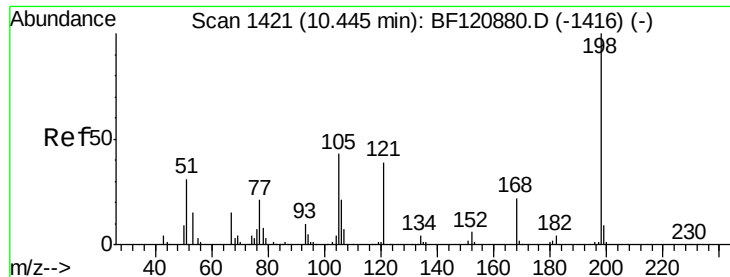


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.0	12.0
80	9.1	8.3	12.5

Abundance Ion 188.00 (187.70 to 188.70): BF1
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



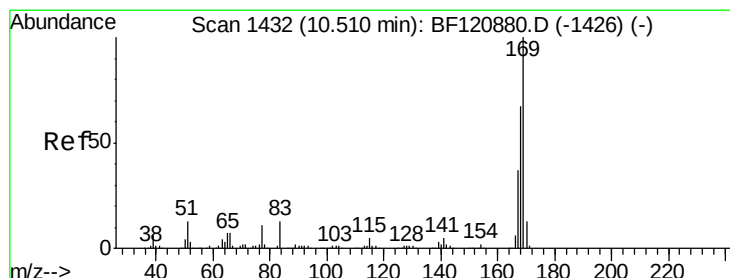
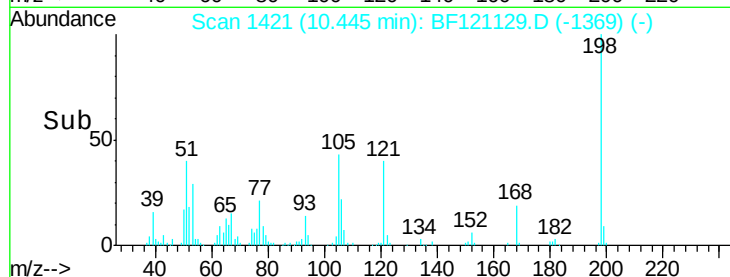
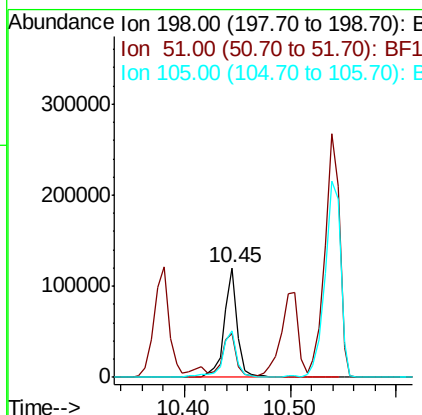
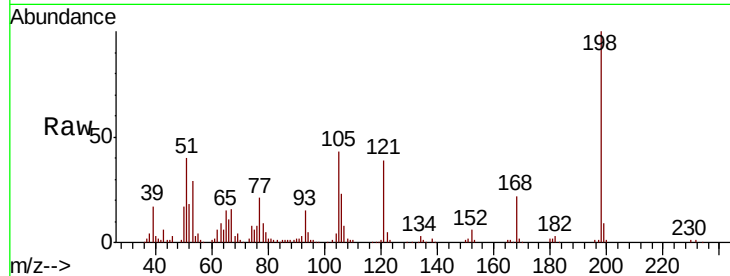


#65
4,6-Dinitro-2-methylphenol
Concen: 32.262 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

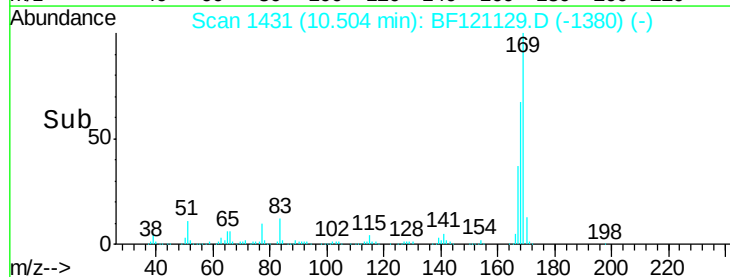
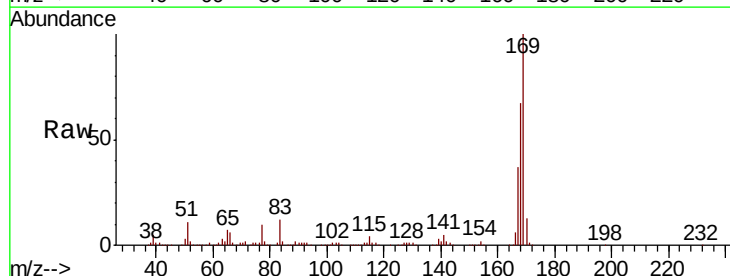
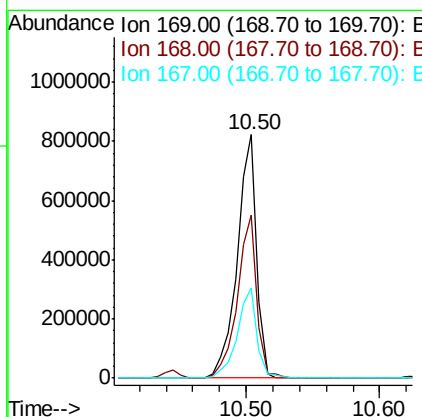
Tot Ion	Ratio	Lower	Upper
198	100		
51	39.7	23.4	63.4
105	42.8	23.7	63.7

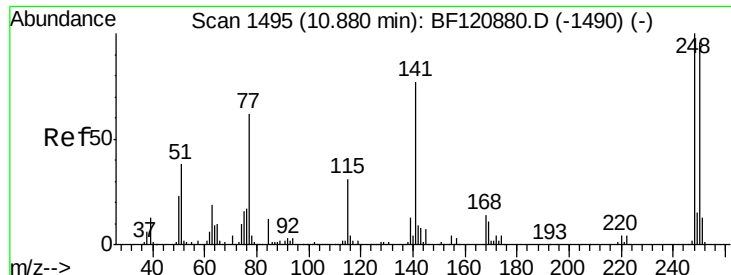
Manual Integrations
APPROVED



#66
n-Nitrosodiphenylamine
Concen: 45.336 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.7	80.5
167	37.2	30.0	45.0



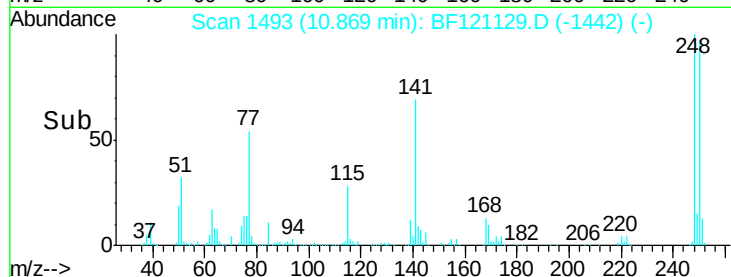
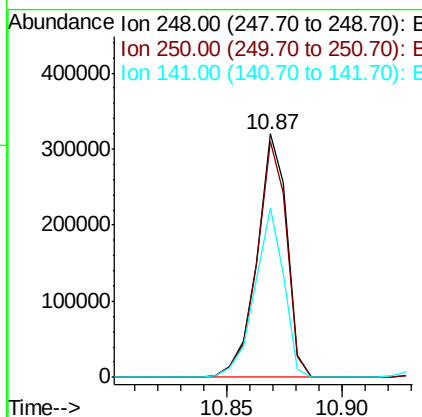
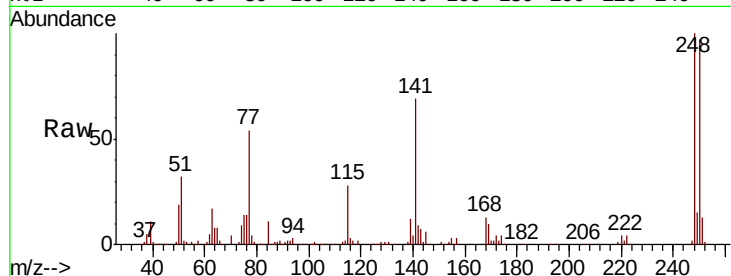


#67
 4-Bromophenyl-phenylether
 Concen: 44.633 ng
 RT: 10.87 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820MSD

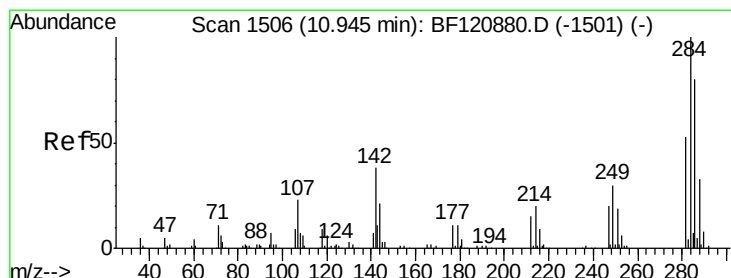
Tot Ion	Ratio	Lower	Upper
248	100		
250	96.7	77.0	115.6
141	69.4	56.6	85.0

Manual Integrations
 APPROVED



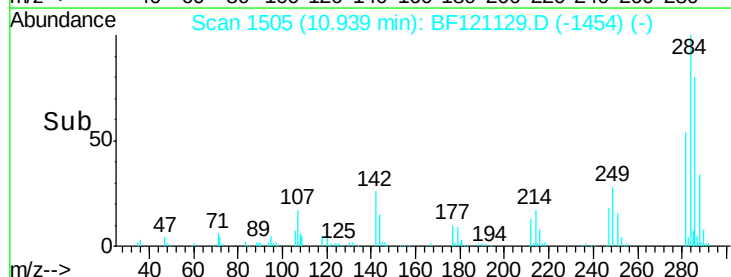
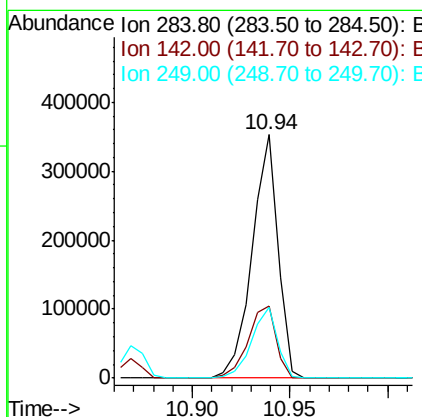
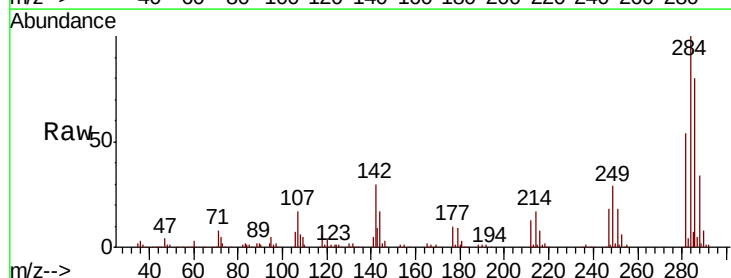
Sohil

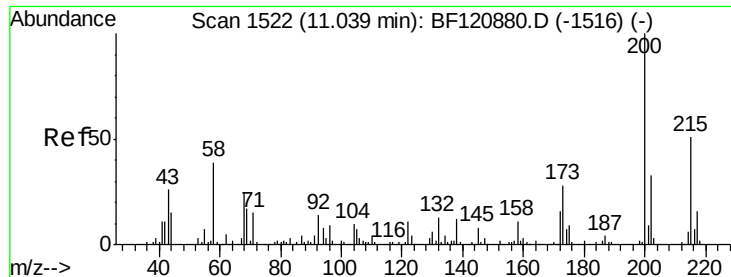
7/31/2020 12:11:50 PM



#68
 Hexachlorobenzene
 Concen: 46.101 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.6	21.1	31.7
249	29.2	22.5	33.7



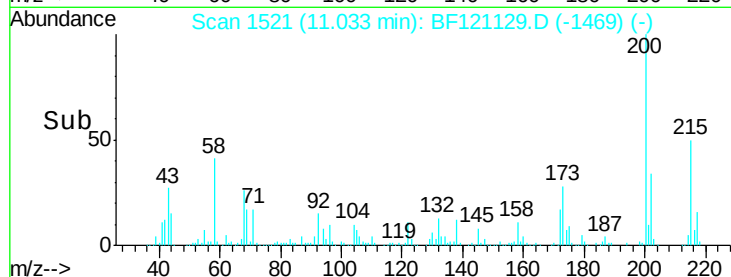
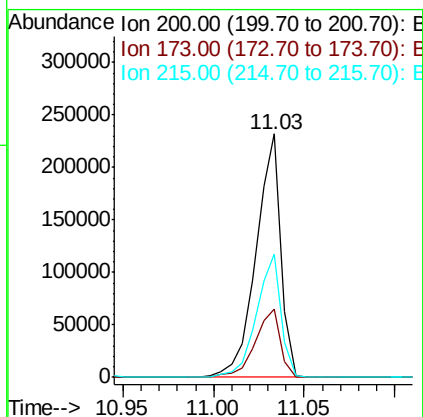
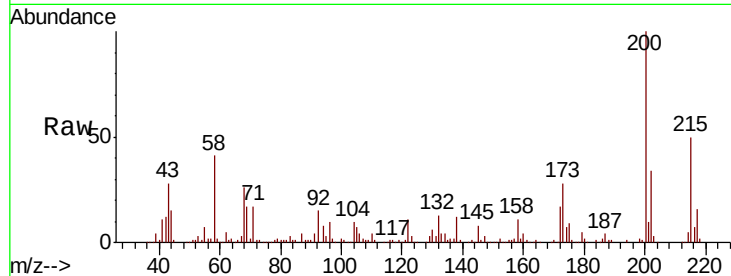


#69
 Atrazine
 Concen: 48.478 ng
 RT: 11.03 min Scan# 1521
 Delta R.T. 0.01 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820MSD

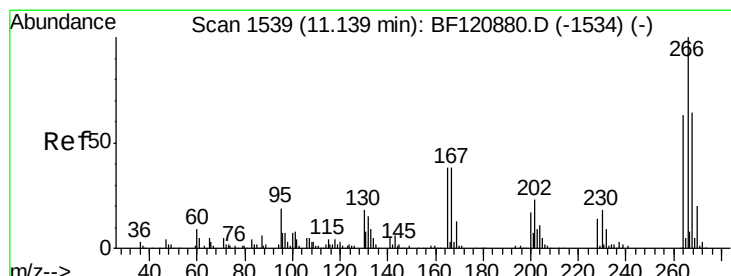
Tot Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.6	47.6
215	50.4	28.8	68.8

Manual Integrations
 APPROVED



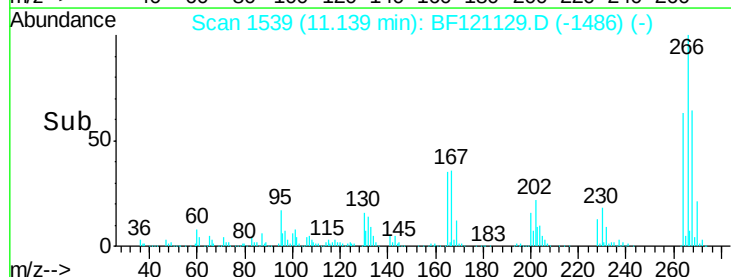
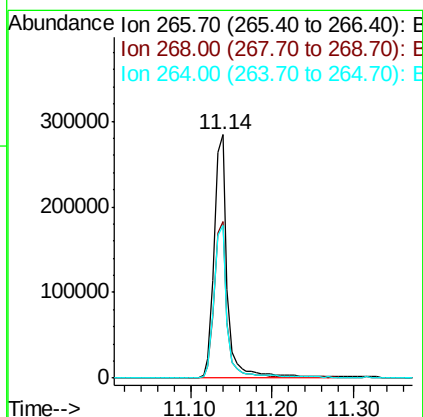
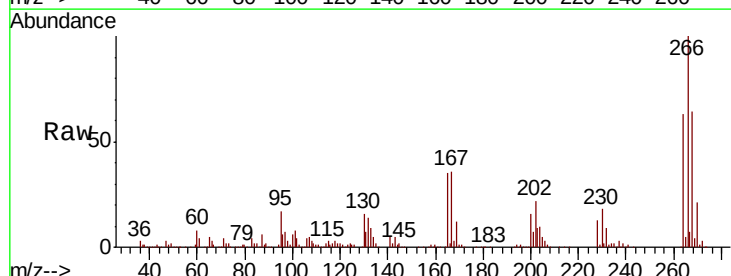
Sohil

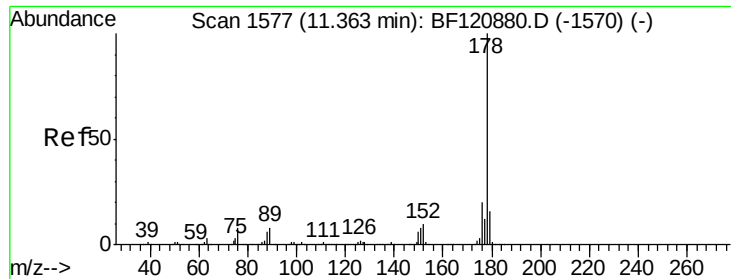
7/31/2020 12:11:50 PM



#70
 Pentachlorophenol
 Concen: 81.111 ng
 RT: 11.14 min Scan# 1539
 Delta R.T. 0.01 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.1	49.7	74.5
264	62.6	50.4	75.6



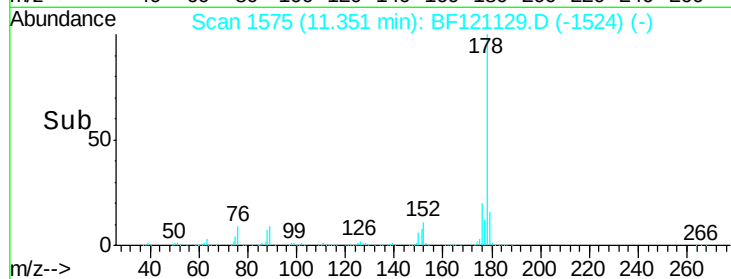
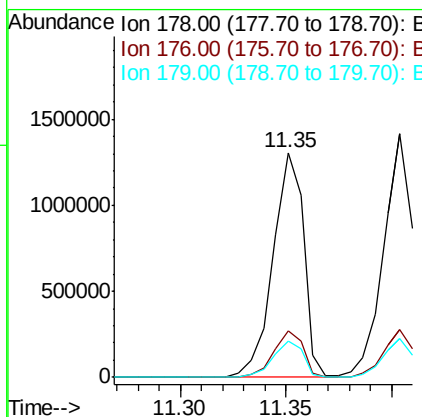
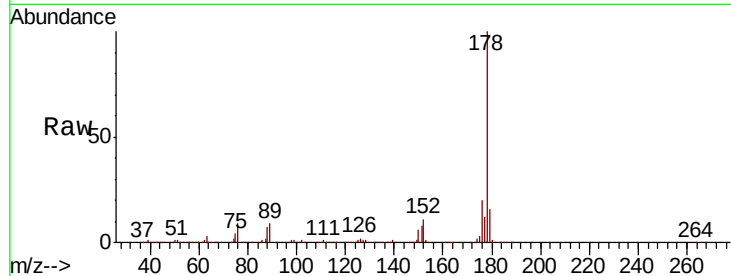


#71
Phenanthrene
Concen: 44.255 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

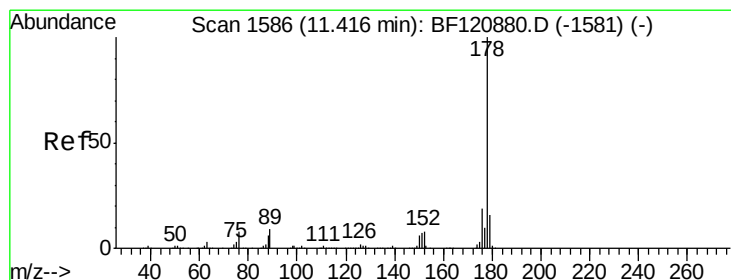
Tot Ion:178 Resp: 1323037
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.2
179 16.0 12.6 19.0

Manual Integrations
APPROVED



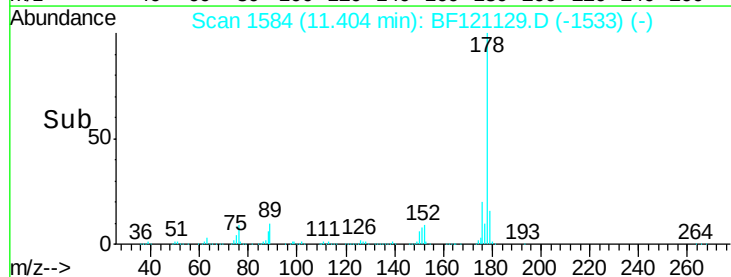
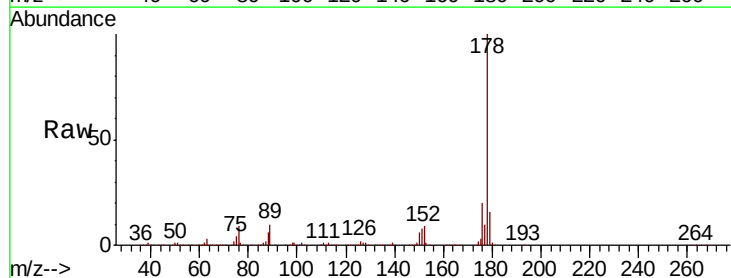
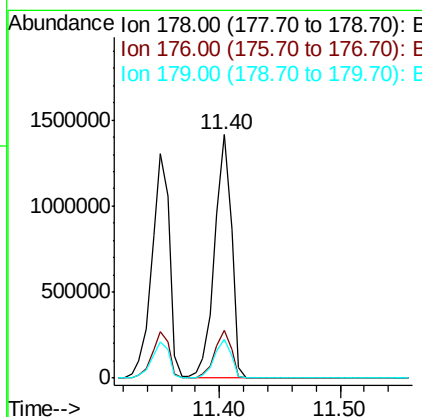
Sohil

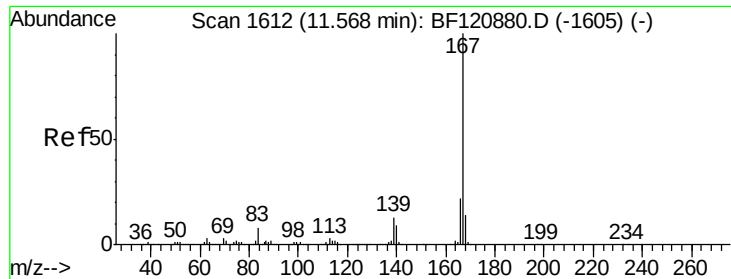
7/31/2020 12:11:50 PM



#72
Anthracene
Concen: 44.940 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion:178 Resp: 1349104
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 16.1 12.6 19.0



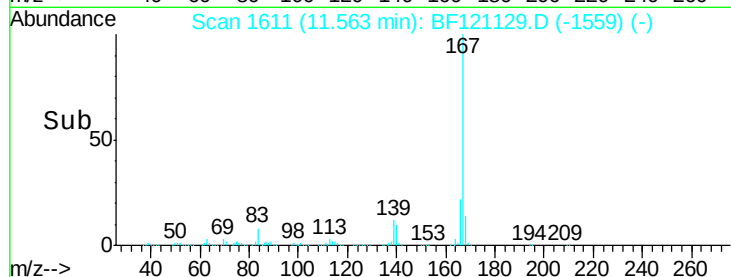
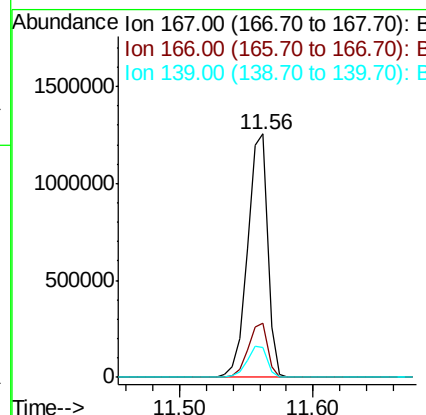
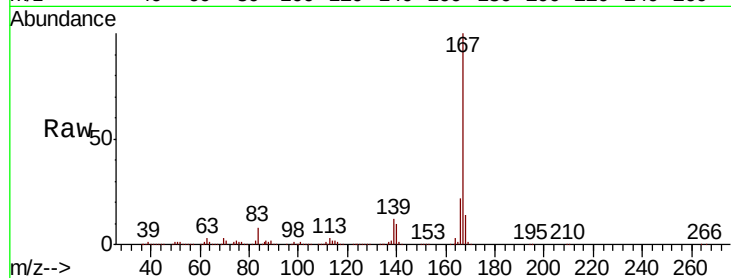


#73
 Carbazole
 Concen: 43.547 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820MSD

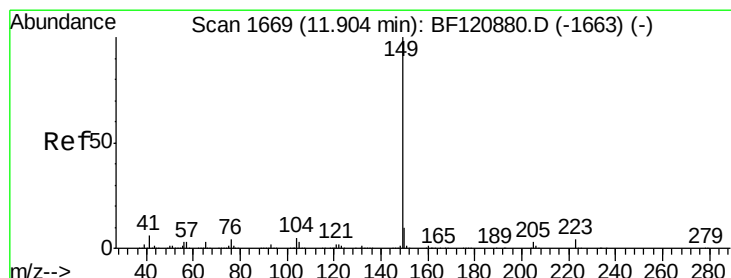
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.5	26.3
139	12.5	10.5	15.7

Manual Integrations
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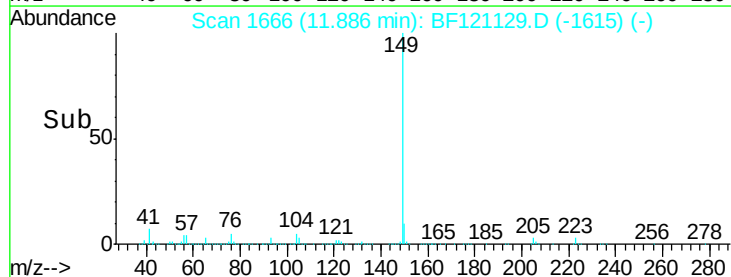
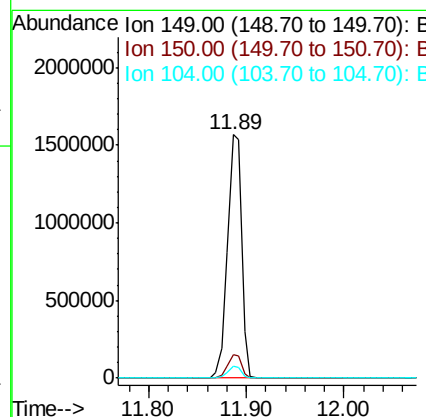
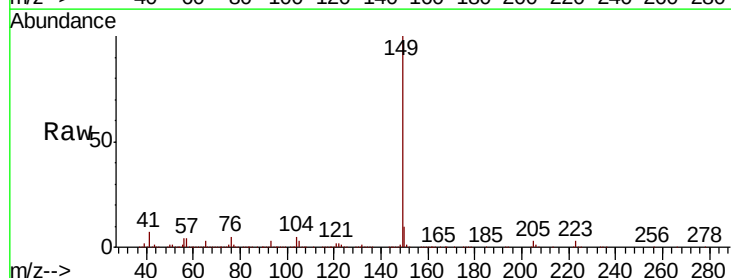
Sohil

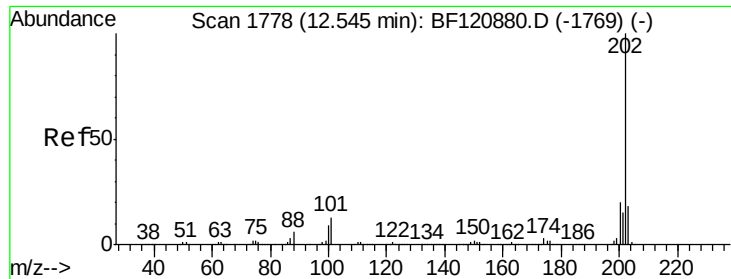
7/31/2020 12:11:50 PM



#74
 Di-n-butylphthalate
 Concen: 46.009 ng
 RT: 11.89 min Scan# 1666
 Delta R.T. 0.00 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.8	11.8
104	5.0	3.9	5.9





#75

Fluoranthene

Concen: 45.099 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

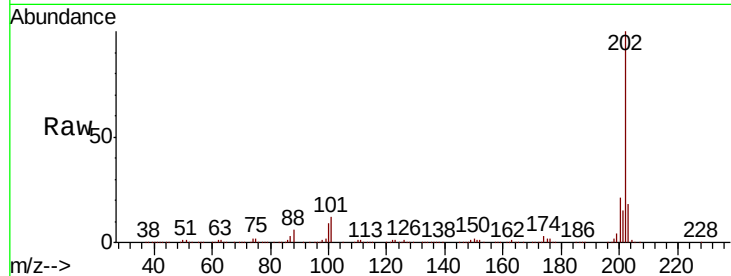
BNA_F

ClientSampleId :

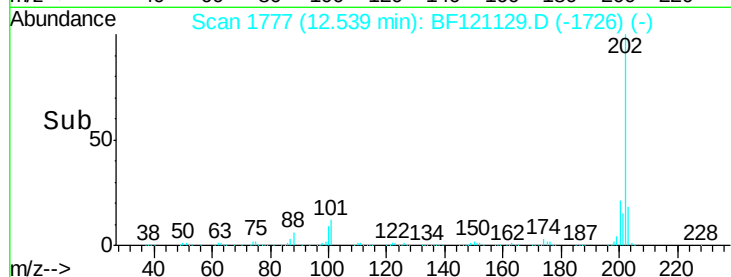
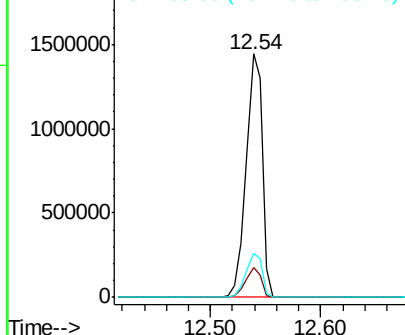
OK-02-072820MSD

Tot Ion:	202	Resp:	1494472
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	30.5
203	18.3	0.0	37.7

Manual Integrations
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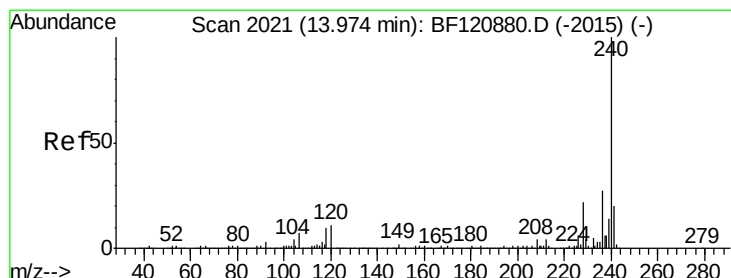


Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Sohil

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#76

Chrysene-d12

Concen: 20.000 ng

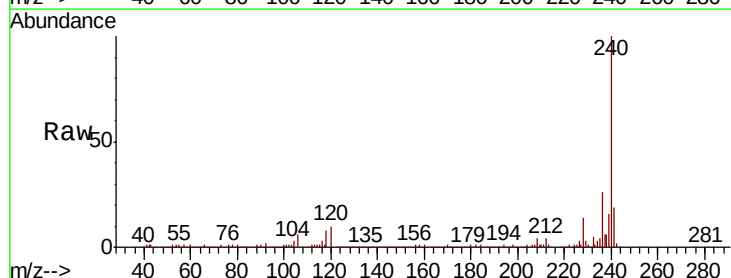
RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

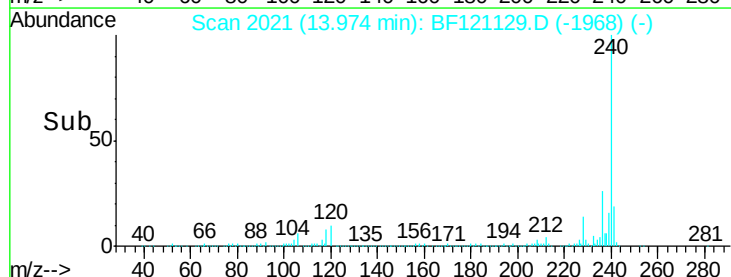
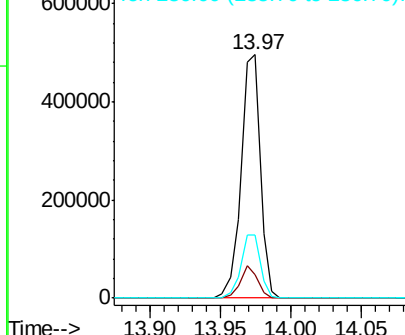
Lab File: BF121129.D

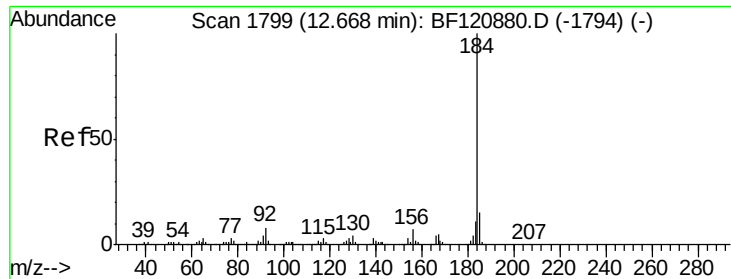
Acq: 30 Jul 2020 15:38

Tgt Ion:	240	Resp:	472791
Ion	Ratio	Lower	Upper
240	100		
120	9.7	9.3	13.9
236	26.0	21.1	31.7



Abundance Ion 240.00 (239.70 to 240.70): E
600000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 46.108 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

BNA_F

ClientSampleId :

OK-02-072820MSD

Tot Ion:184 Resp: 573143

Ion Ratio Lower Upper

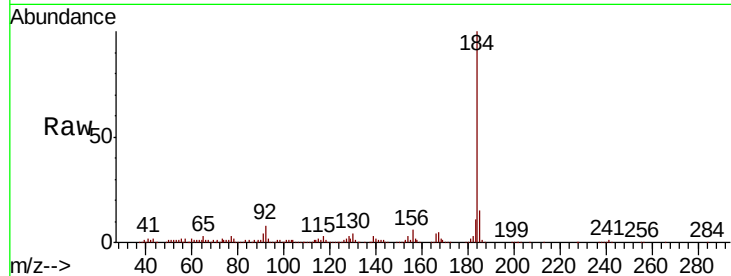
184 100

185 15.2 12.1 18.1

183 10.9 9.0 13.4

Manual Integrations

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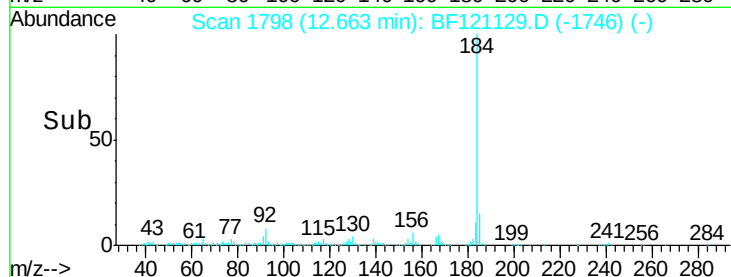
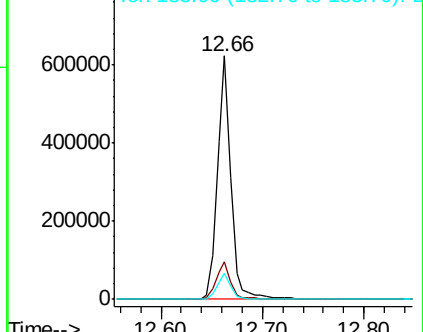


Abundance

Ion 184.00 (183.70 to 184.70): E

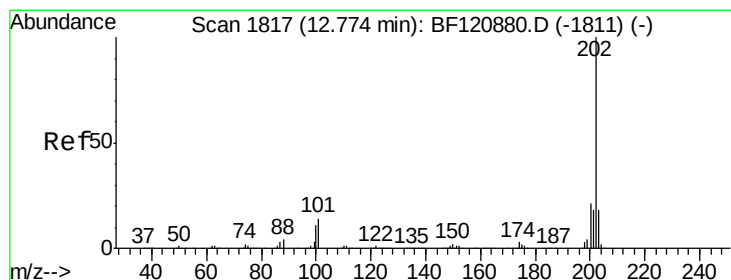
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Sohil

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#78

Pyrene

Concen: 45.665 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

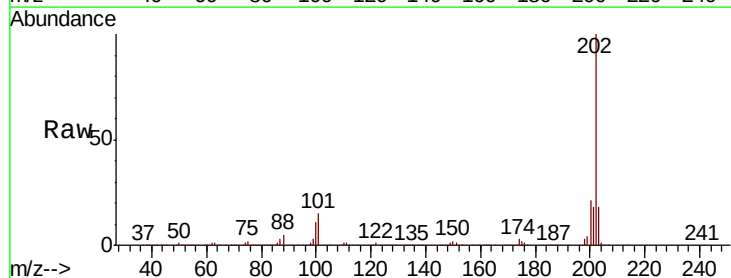
Tgt Ion:202 Resp: 1526436

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 18.2 14.6 21.8

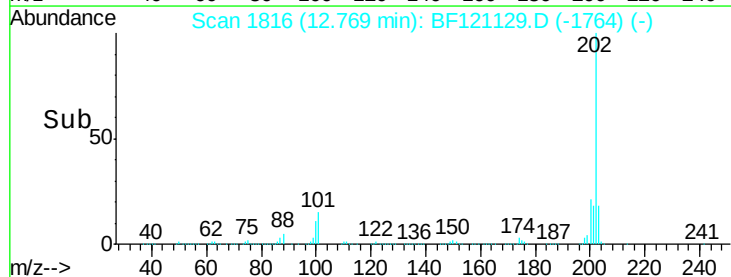
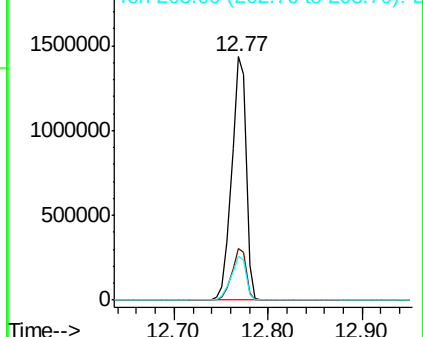


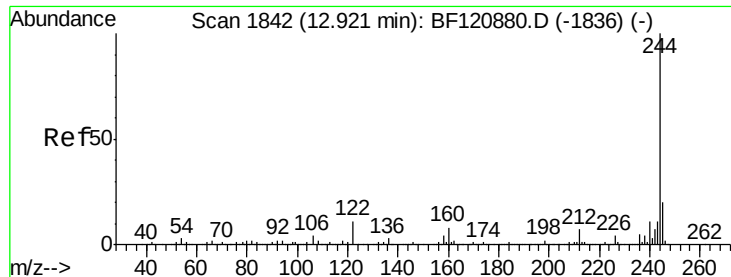
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



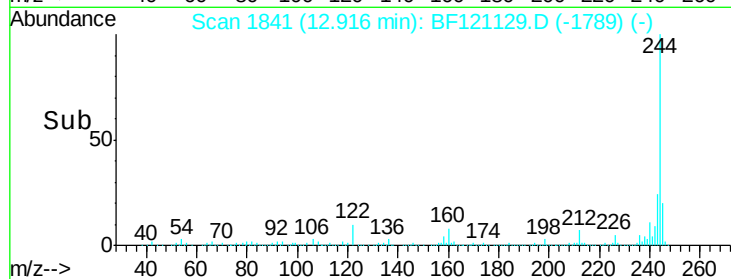
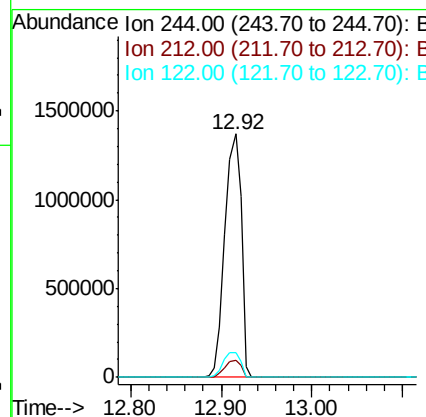
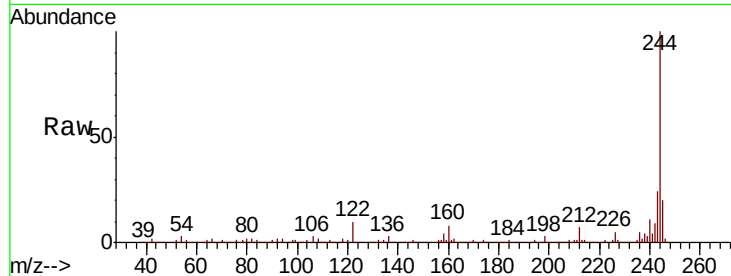


#79
 Terphenyl-d14
 Concen: 78.462 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820MSD

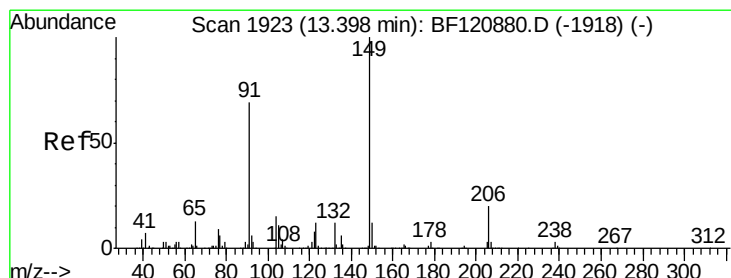
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	10.2	8.3	12.5

Manual Integrations
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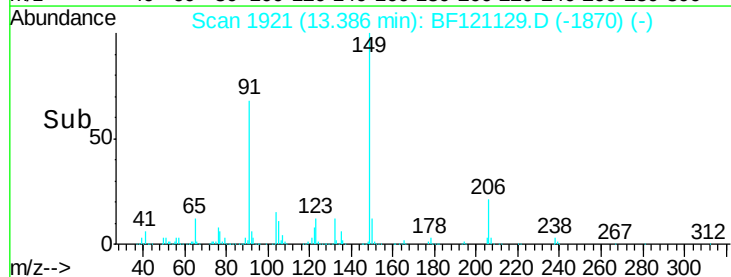
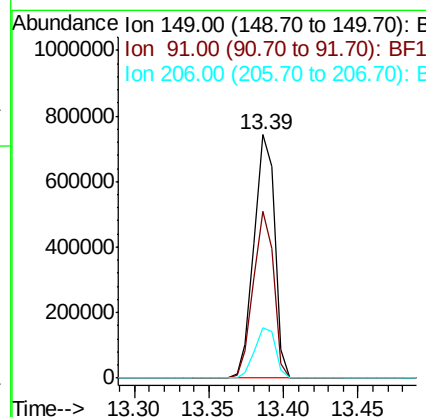
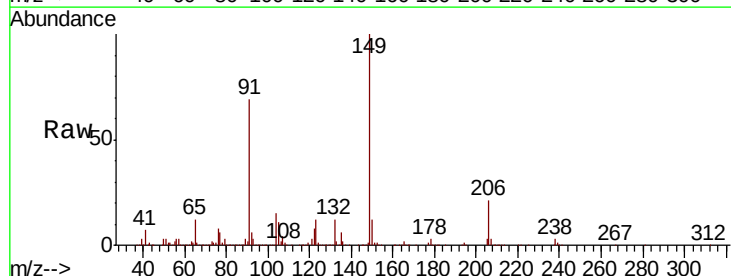
Sohil

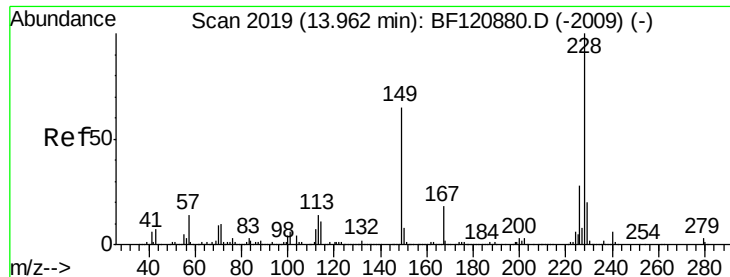
7/31/2020 12:11:50 PM



#80
 Butylbenzylphthalate
 Concen: 47.725 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.5	51.4	77.0
206	20.7	17.9	26.9





#81

Benzo(a)anthracene

Concen: 45.856 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

Instrument :

BNA_F

ClientSampleId :

OK-02-072820MSD

Tot Ion:228 Resp: 1312838

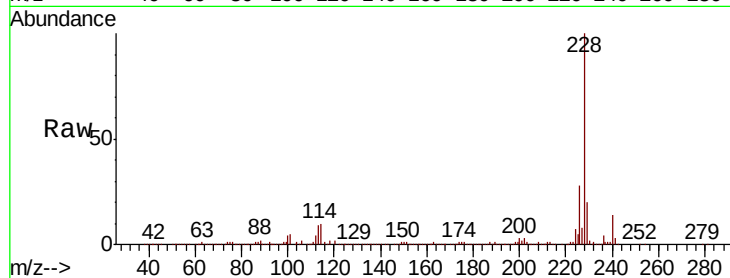
Ion Ratio Lower Upper

228 100

226 28.4 22.6 34.0

229 19.8 16.1 24.1

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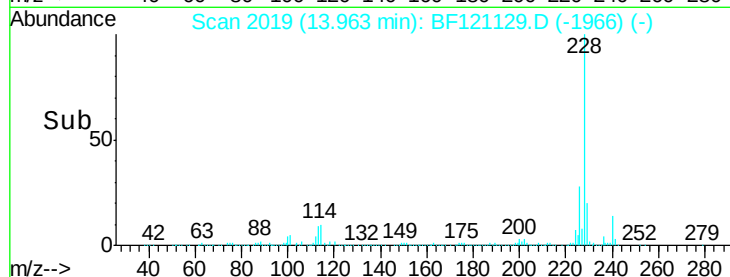
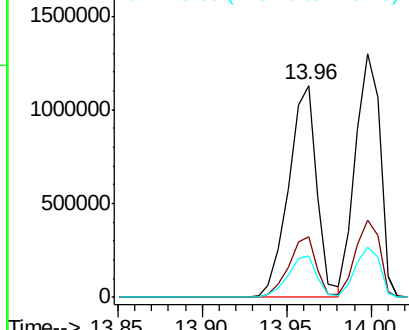


Abundance

Ion 228.00 (227.70 to 228.70): E

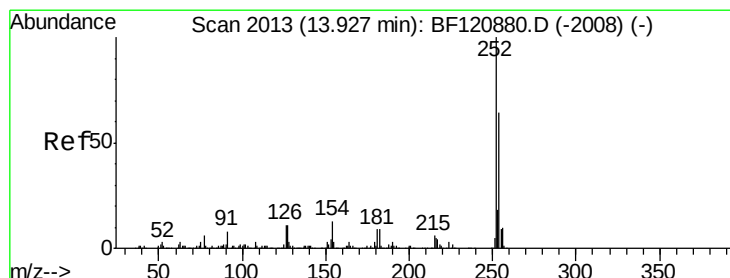
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Sohil

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#82

3,3'-Dichlorobenzidine

Concen: 22.096 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF121129.D

Acq: 30 Jul 2020 15:38

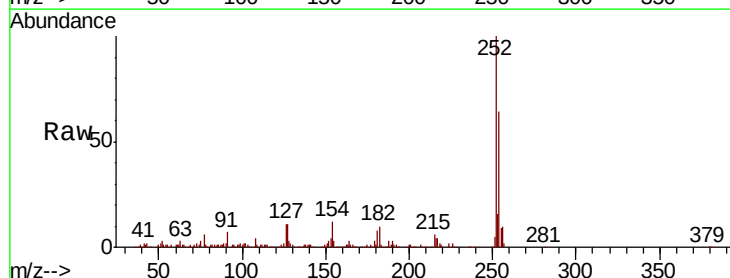
Tgt Ion:252 Resp: 238667

Ion Ratio Lower Upper

252 100

254 63.7 51.3 76.9

126 11.0 9.2 13.8

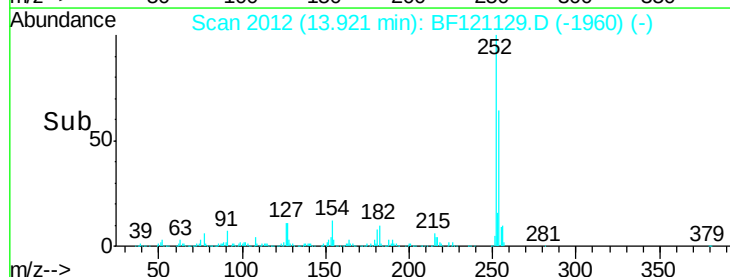
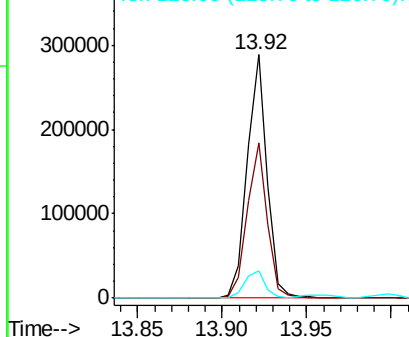


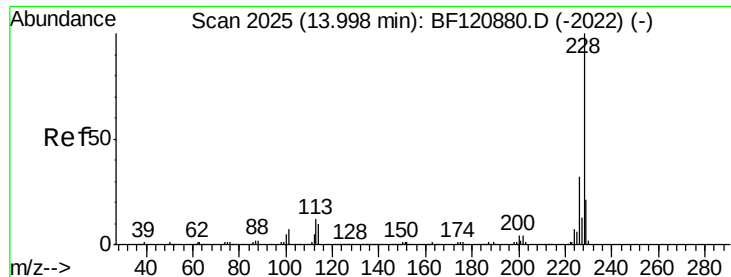
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



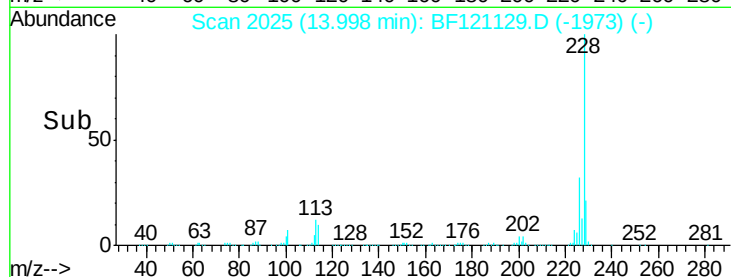
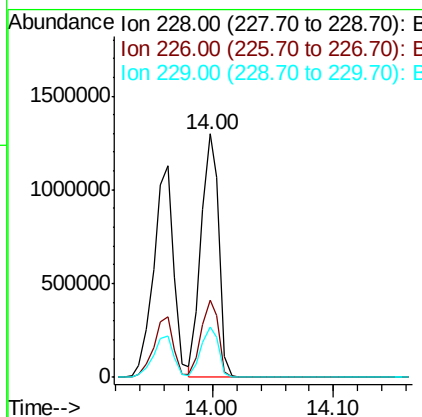
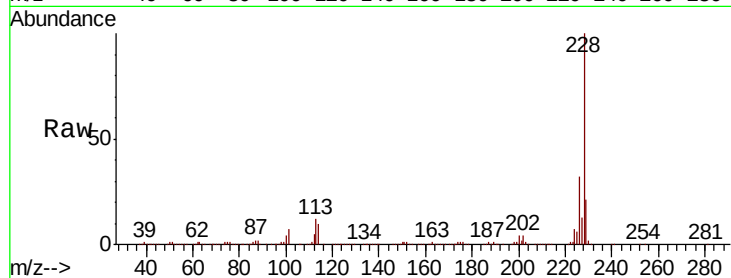


#83
Chrysene
Concen: 43.807 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

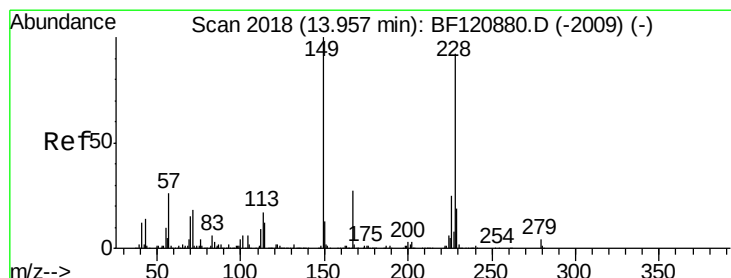
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.4	38.0
229	20.9	16.2	24.4

Manual Integrations
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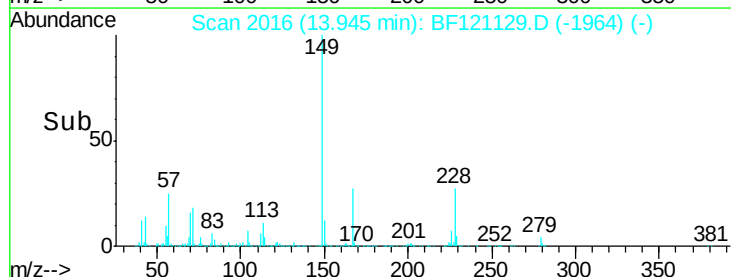
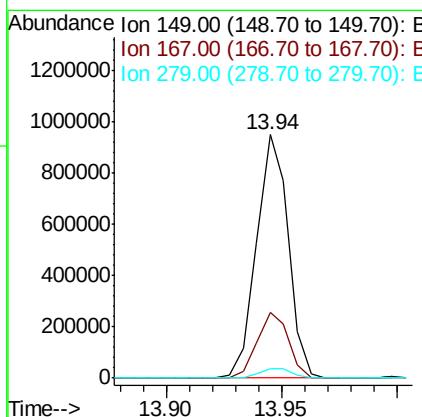
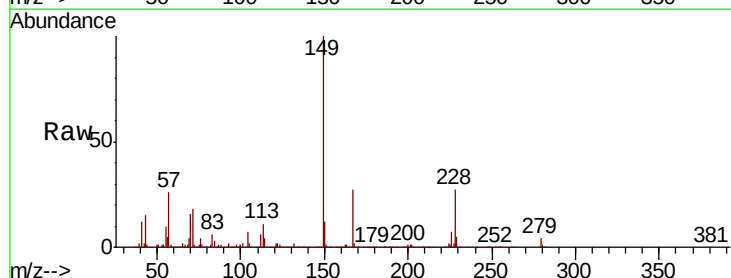
Sohil

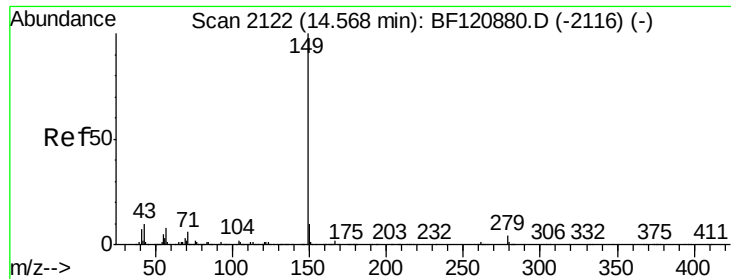
7/31/2020 12:11:50 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.394 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.6
279	4.0	2.9	4.3



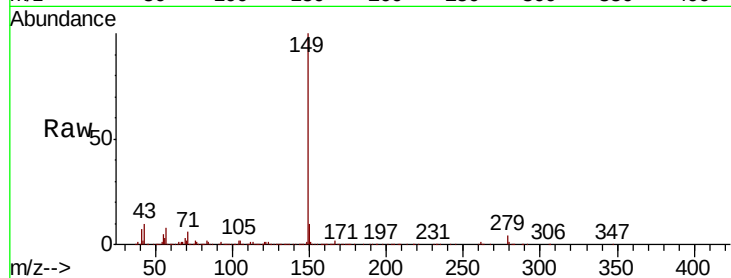


#85
Di-n-octyl phthalate
Concen: 46.574 ng
RT: 14.56 min Scan# 2120
Delta R.T. 0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

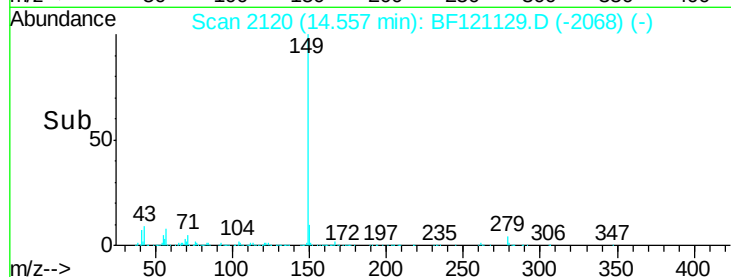
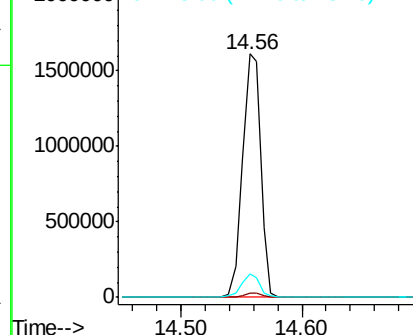
Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100				
167	1.6	1.3	1.9		
43	8.8	7.5	11.3		

Manual Integrations
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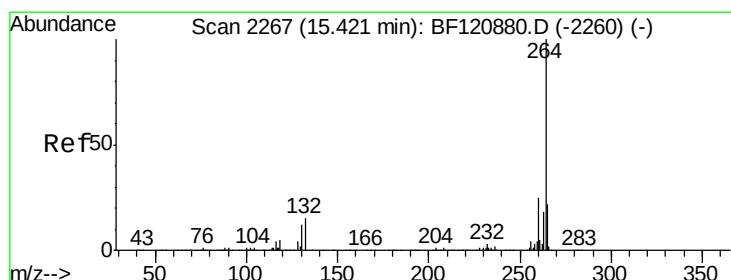


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



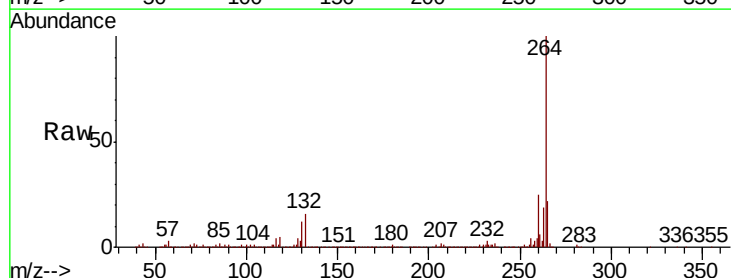
Sohil

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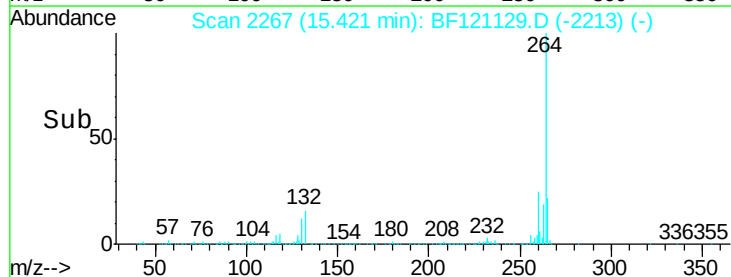
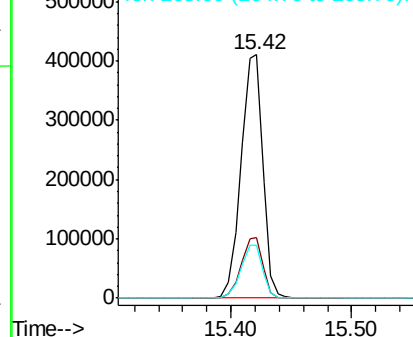


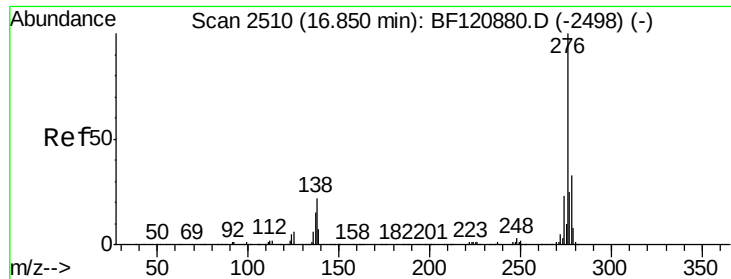
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.9	19.9	29.9		
265	21.6	17.8	26.8		



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



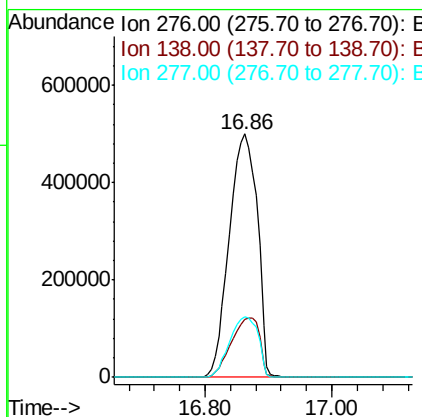
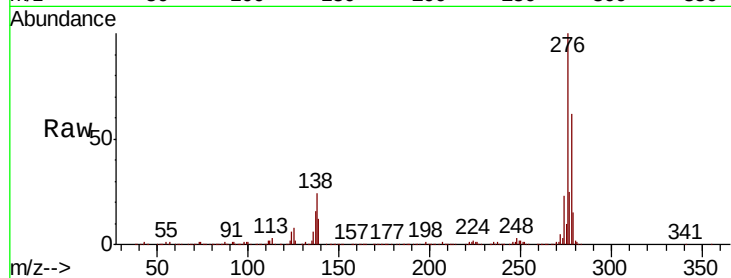


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 42.263 ng
 RT: 16.86 min Scan# 2512
 Delta R.T. 0.03 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820MSD

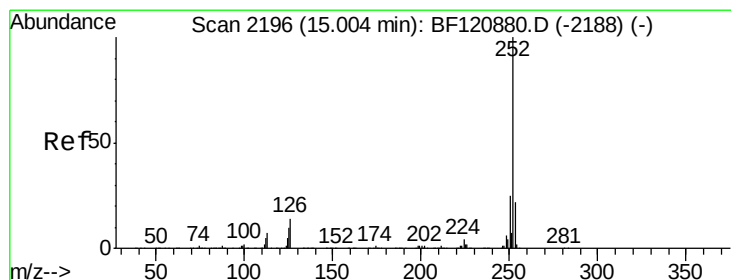
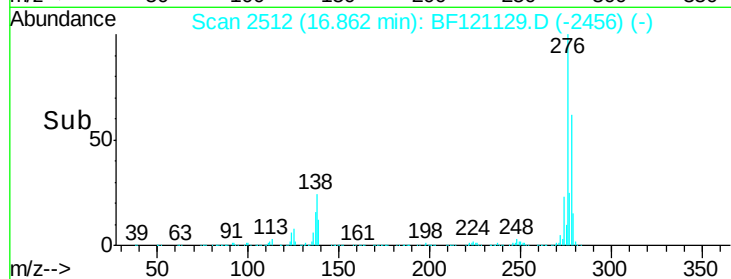
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.3	28.9
277	25.5	20.1	30.1

Manual Integrations
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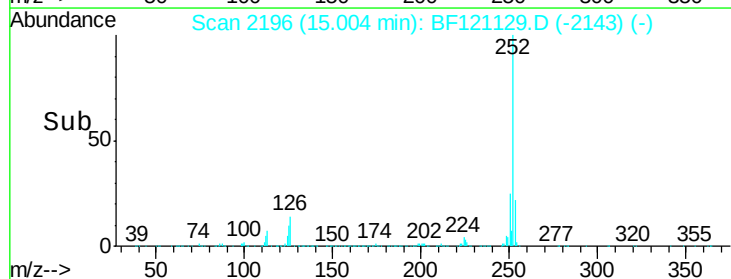
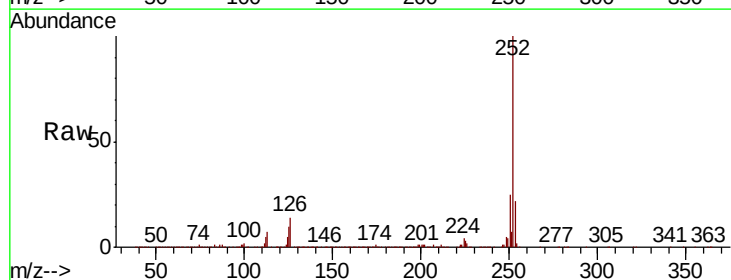
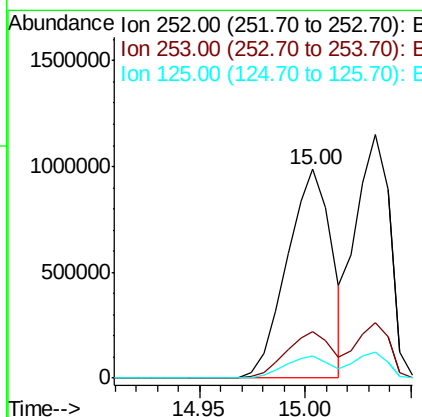
Sohil

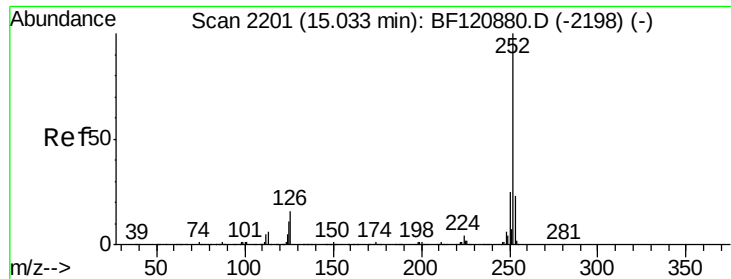
7/31/2020 12:11:50 PM



#88
 Benzo(b)fluoranthene
 Concen: 46.637 ng
 RT: 15.00 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BF121129.D
 Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	10.4	8.1	12.1



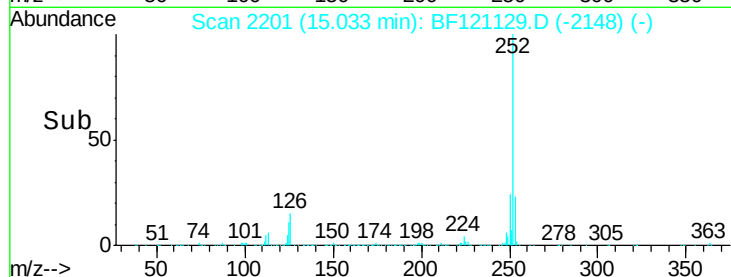
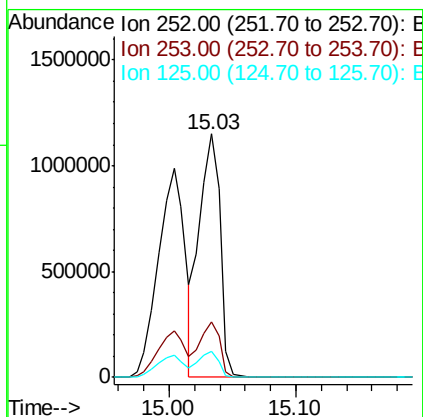
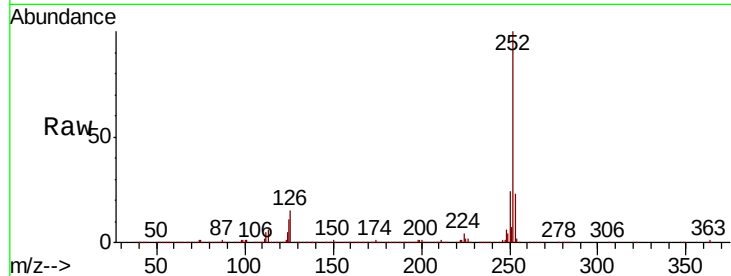


#89
Benzo(k)fluoranthene
Concen: 45.668 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

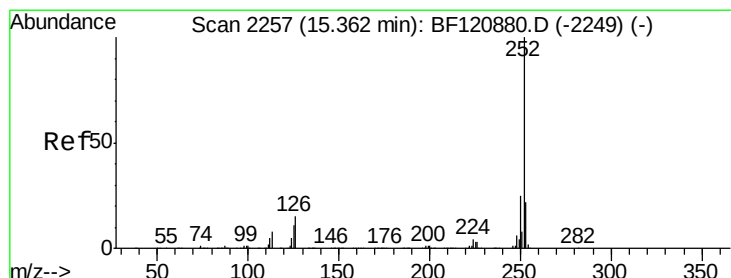
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	10.6	8.0	12.0

Manual Integrations
APPROVED



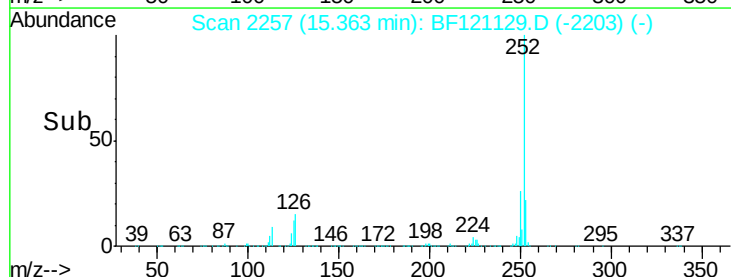
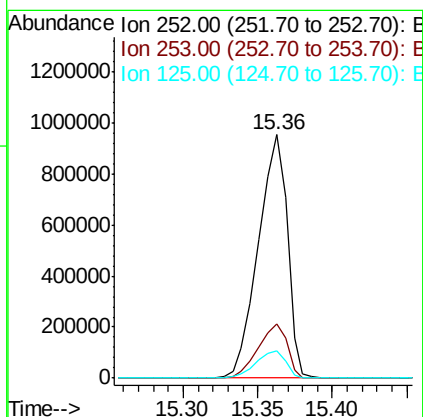
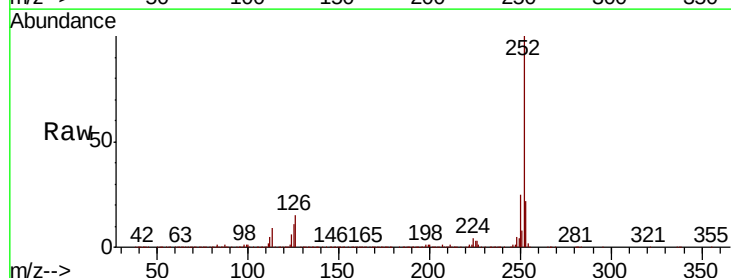
Sohil

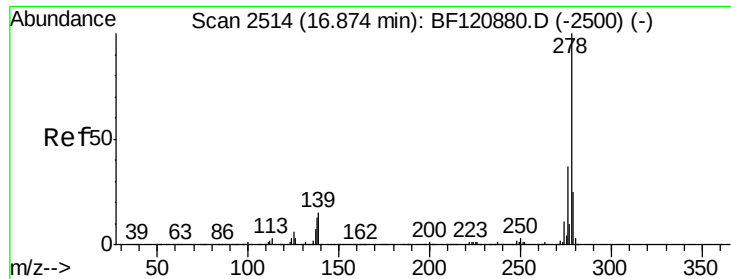
7/31/2020 12:11:50 PM



#90
Benzo(a)pyrene
Concen: 44.757 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.02 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	11.4	9.5	14.3



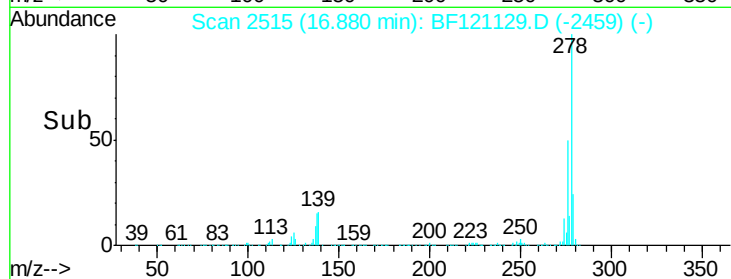
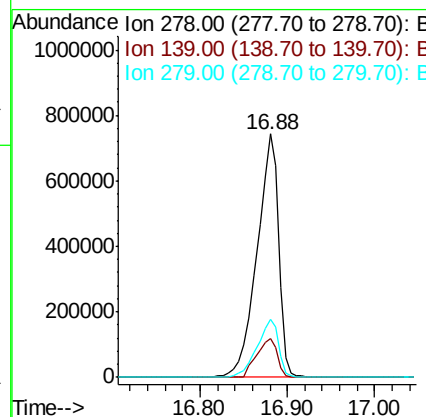
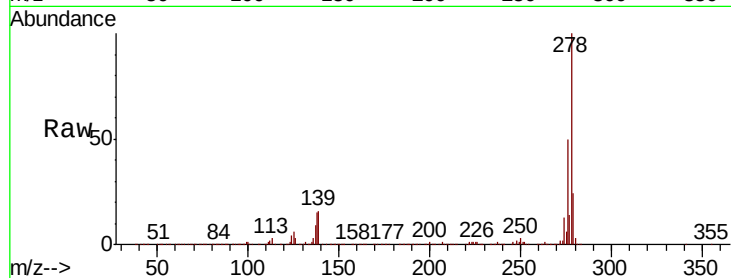


#91
Dibenzo(a,h)anthracene
Concen: 42.510 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.03 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Instrument :
BNA_F
ClientSampleId :
OK-02-072820MSD

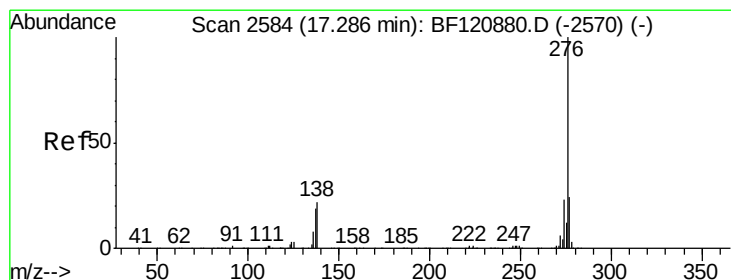
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.6	18.8
279	23.8	19.5	29.3

Manual Integrations
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Sohil

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#92
Benzo(g,h,i)perylene
Concen: 44.085 ng
RT: 17.30 min Scan# 2587
Delta R.T. 0.04 min
Lab File: BF121129.D
Acq: 30 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	21.6	17.2	25.8

