

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072720\
 Data File : BF121041.D
 Acq On : 27 Jul 2020 19:48
 Operator : JU/CG
 Sample : L3382-05MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTR-020MSD

Manual Integrations
 APPROVED

mohammad
 7/28/2020 11:43:37 AM

Quant Time: Jul 28 03:03:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	185260	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	729360	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	392299	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	758549	20.00	ng	0.00
76) Chrysene-d12	13.97	240	530236	20.00	ng	0.00
86) Perylene-d12	15.42	264	483559	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	1197869	106.00	ng	0.02
7) Phenol-d6	6.45	99	1532370	104.97	ng	0.00
23) Nitrobenzene-d5	7.38	82	977696	77.56	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	489427	113.98	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1778385	67.68	ng	0.00
79) Terphenyl-d14	12.93	244	1803380	73.93	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	199669	38.391	ng	99
3) Pyridine	3.35	79	458064	33.108	ng	99
4) n-Nitrosodimethylamine	3.30	42	241697	40.853	ng	96
6) Aniline	6.48	93	573958	30.121	ng	98
8) 2-Chlorophenol	6.60	128	552934	44.415	ng	99
9) Benzaldehyde	6.36	77	371287	59.774	ng	98
10) Phenol	6.47	94	640518	39.888	ng	88
11) bis(2-Chloroethyl)ether	6.55	93	516638	41.981	ng	99
12) 1,3-Dichlorobenzene	6.76	146	550038	40.745	ng	99
13) 1,4-Dichlorobenzene	6.83	146	554159	41.283	ng	98
14) 1,2-Dichlorobenzene	6.99	146	534844	42.117	ng	99
15) Benzyl Alcohol	6.96	79	438018	42.430	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.09	45	715781	40.353	ng	97
17) 2-Methylphenol	7.07	107	440074	39.883	ng	98
18) Hexachloroethane	7.33	117	209281	43.076	ng	97
19) n-Nitroso-di-n-propylamine	7.23	70	337820	40.697	ng	98
20) 3+4-Methylphenols	7.23	107	475630	33.885	ng	# 87
22) Acetophenone	7.23	105	664574	40.599	ng	94
24) Nitrobenzene	7.40	77	545648	40.164	ng	100
25) Isophorone	7.64	82	1034800	41.134	ng	99
26) 2-Nitrophenol	7.72	139	298674	46.290	ng	99
27) 2,4-Dimethylphenol	7.76	122	480598	45.876	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	656911	42.778	ng	100
29) 2,4-Dichlorophenol	7.96	162	461723	43.132	ng	97
30) 1,2,4-Trichlorobenzene	8.04	180	492705	41.485	ng	100
31) Naphthalene	8.12	128	1500884	40.117	ng	100
32) Benzoic acid	7.89	122	360631	45.859	ng	98
33) 4-Chloroaniline	8.17	127	347088	20.797	ng	98
34) Hexachlorobutadiene	8.24	225	281705	40.236	ng	99
35) Caprolactam	8.55	113	152993m	44.567	ng	
36) 4-Chloro-3-methylphenol	8.66	107	488686	44.512	ng	99
37) 2-Methylnaphthalene	8.81	142	1033032	42.525	ng	99
38) 1-Methylnaphthalene	8.91	142	975673	42.407	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	463824	40.580	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	461280	73.021	nq	98
43) 2,4,6-Trichlorophenol	9.09	196	347973	43.239	nq	99
44) 2,4,5-Trichlorophenol	9.13	196	363160	39.782	nq	100
46) 1,1'-Biphenyl	9.27	154	1257652	42.027	nq	99
47) 2-Chloronaphthalene	9.30	162	963826	39.505	nq	97
48) 2-Nitroaniline	9.40	65	309070	41.919	nq	94
49) Acenaphthylene	9.72	152	1581382	41.723	nq	100
50) Dimethylphthalate	9.58	163	1444436	51.037	nq	98
51) 2,6-Dinitrotoluene	9.64	165	272070	44.745	nq	96
52) Acenaphthene	9.89	154	1062070m	44.074	nq	
53) 3-Nitroaniline	9.80	138	172279	22.591	nq	95
54) 2,4-Dinitrophenol	9.92	184	257364	74.087	nq	90
55) Dibenzofuran	10.06	168	1377449	39.529	nq	99
56) 4-Nitrophenol	9.98	139	463011	79.928	nq	97
57) 2,4-Dinitrotoluene	10.05	165	361616	45.288	nq	94
58) Fluorene	10.40	166	987372	37.991	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.18	232	320781	46.152	nq	96
60) Diethylphthalate	10.28	149	1214183	42.414	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	489374	35.303	nq	100
62) 4-Nitroaniline	10.43	138	287214	38.664	nq	97
63) Azobenzene	10.56	77	1098953	40.324	nq	99
65) 4,6-Dinitro-2-methylphenol	10.45	198	181064	41.784	nq	91
66) n-Nitrosodiphenylamine	10.52	169	1010220	42.335	nq	100
67) 4-Bromophenyl-phenylether	10.89	248	350073	41.393	nq	# 90
68) Hexachlorobenzene	10.95	284	389085	42.530	nq	93
69) Atrazine	11.04	200	288015	48.736	nq	99
70) Pentachlorophenol	11.14	266	451236	86.097	nq	99
71) Phenanthrene	11.36	178	1560169	39.992	nq	100
72) Anthracene	11.42	178	1601264	40.876	nq	99
73) Carbazole	11.57	167	1532332	39.415	nq	99
74) Di-n-butylphthalate	11.90	149	1899960	42.350	nq	100
75) Fluoranthene	12.55	202	1723006	39.845	nq	98
77) Benzidine	12.67	184	904873	64.908	nq	99
78) Pyrene	12.78	202	1743584	46.511	nq	99
80) Butylbenzylphthalate	13.40	149	816675	48.869	nq	98
81) Benzo(a)anthracene	13.97	228	1314532	40.940	nq	100
82) 3,3'-Dichlorobenzidine	13.93	252	445911	36.811	nq	99
83) Chrysene	14.00	228	1399817	41.485	nq	100
84) Bis(2-ethylhexyl)phthalate	13.96	149	987689	47.929	nq	# 99
85) Di-n-octyl phthalate	14.57	149	1896766	46.264	nq	99
87) Indeno(1,2,3-cd)pyrene	16.86	276	1389108	41.306	nq	99
88) Benzo(b)fluoranthene	15.00	252	1427088	48.824	nq	99
89) Benzo(k)fluoranthene	15.03	252	1172923	44.000	nq	99
90) Benzo(a)pyrene	15.36	252	1161692	43.562	nq	99
91) Dibenzo(a,h)anthracene	16.87	278	1157497	42.136	nq	98
92) Benzo(g,h,i)perylene	17.29	276	1158059	42.755	nq	100

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

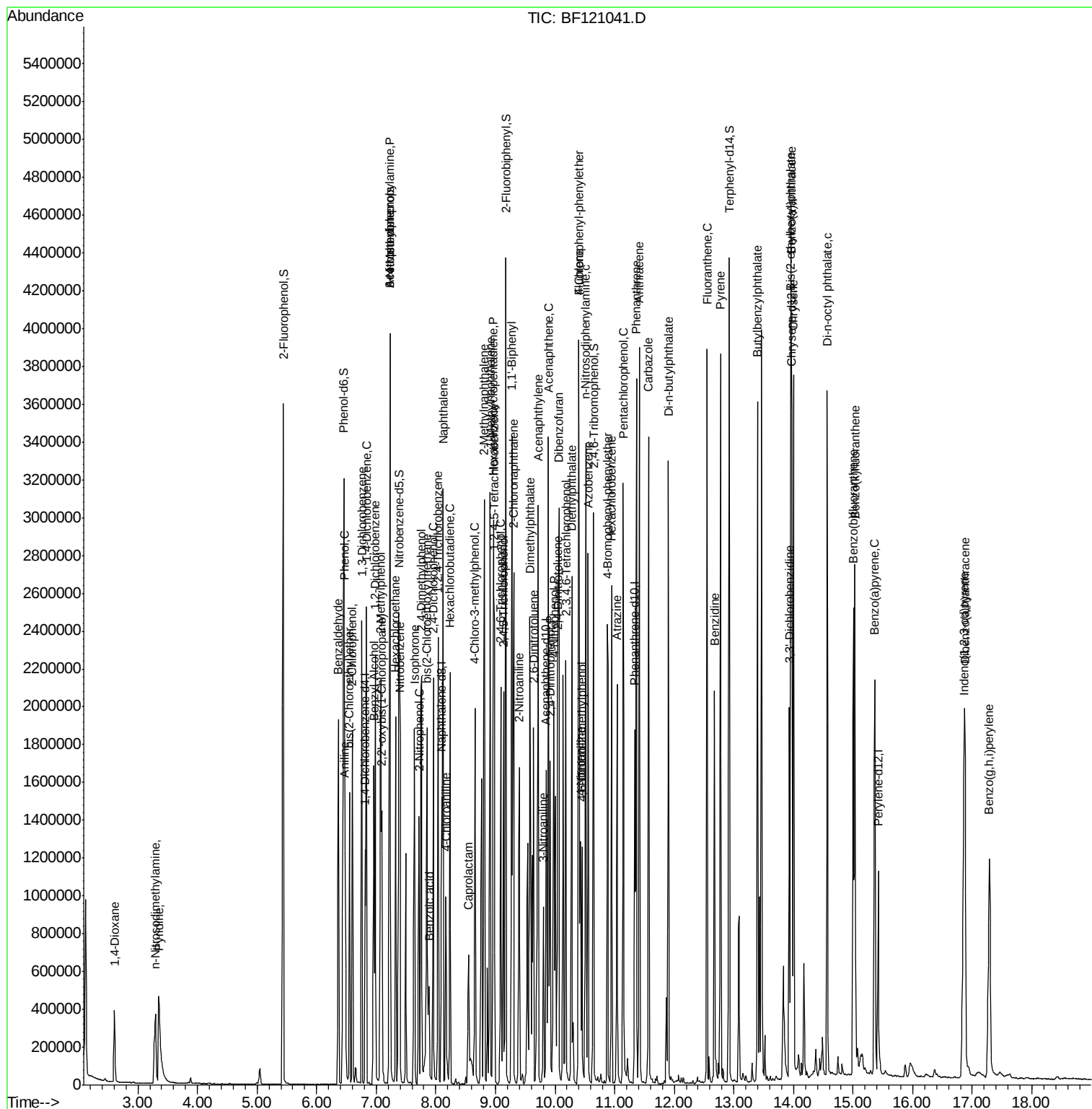
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#1

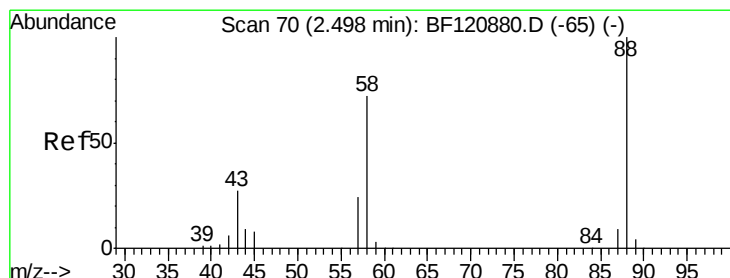
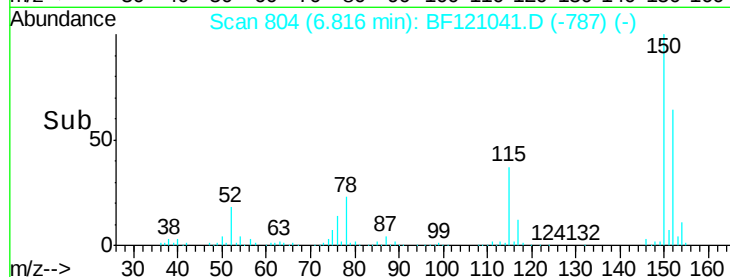
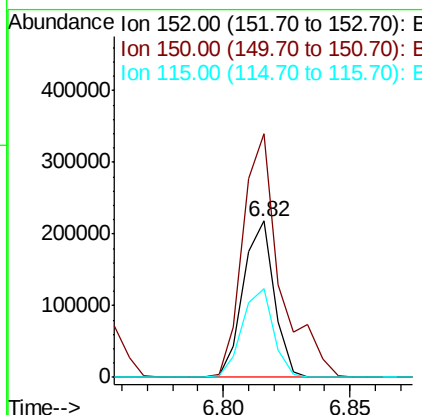
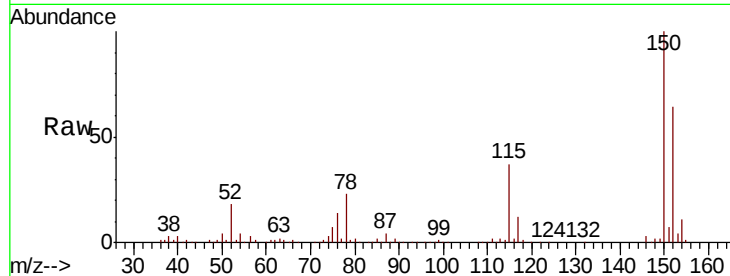
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.0	187.6
115	57.0	47.0	70.4

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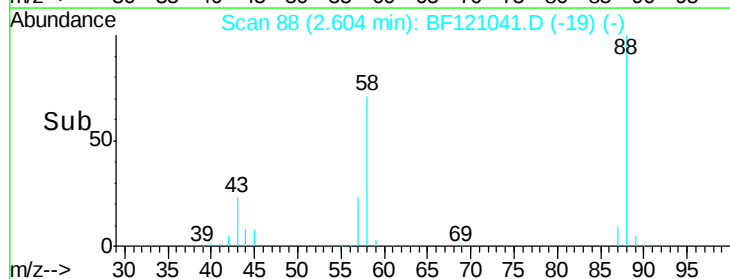
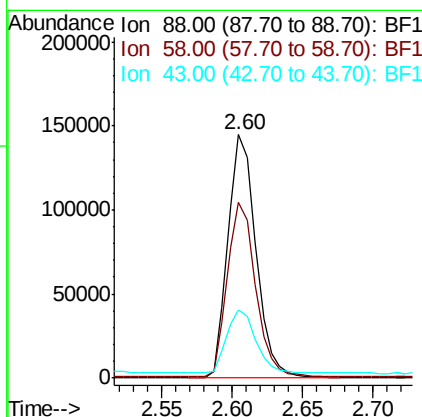
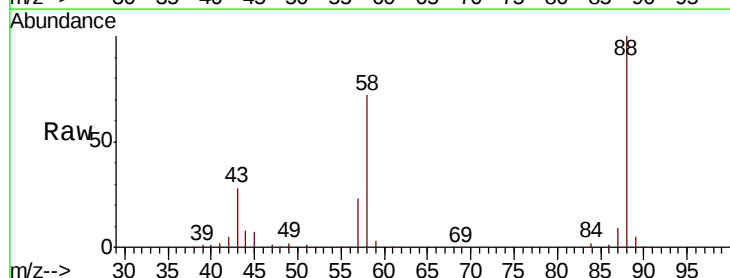
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#2

1,4-Dioxane
Concen: 38.391 ng
RT: 2.60 min Scan# 88
Delta R.T. 0.11 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.5	58.2	87.2
43	26.8	22.1	33.1





#3

Pvridine

Concen: 33.108 ng

RT: 3.35 min Scan# 215

Delta R.T. 0.11 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

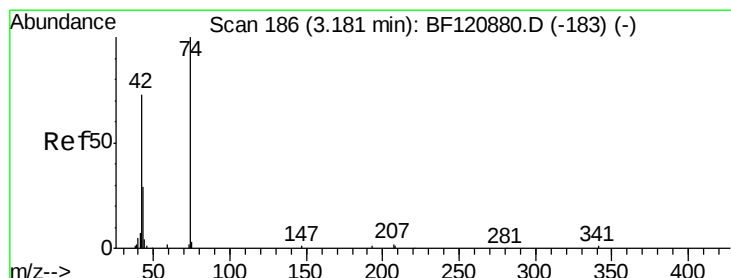
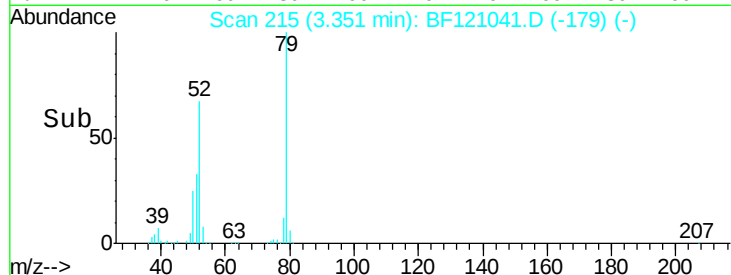
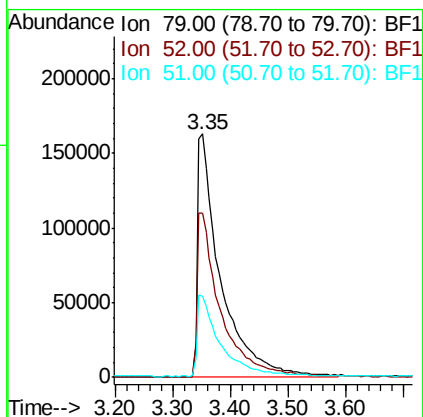
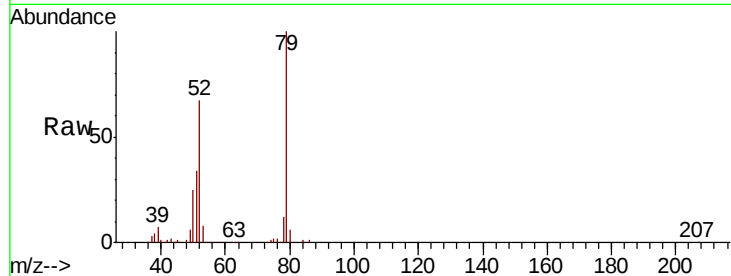
ClientSampleId :

CTR-020MSD

Tot Ion:	79	Resp:	458064
Ion Ratio	Lower	Upper	
79	100		
52	67.3	55.0	82.6
51	33.5	26.9	40.3

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#4

n-Nitrosodimethylamine

Concen: 40.853 ng

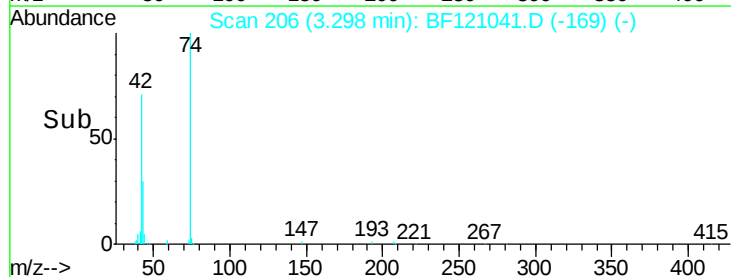
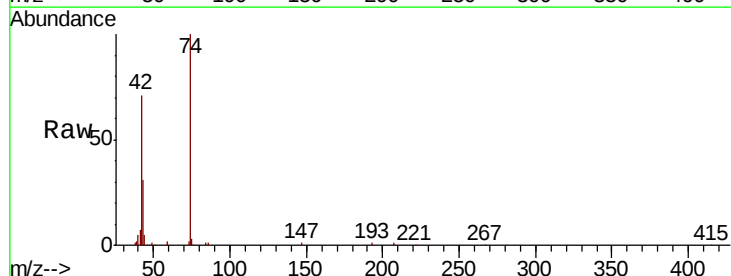
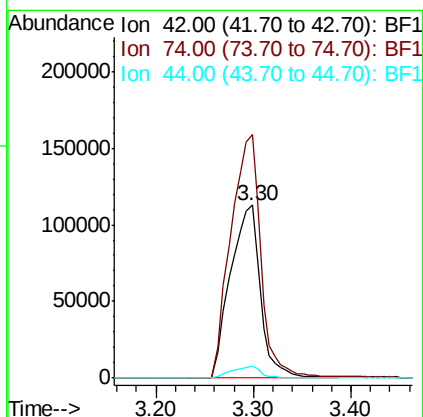
RT: 3.30 min Scan# 206

Delta R.T. 0.12 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Tgt Ion:	42	Resp:	241697
Ion Ratio	Lower	Upper	
42	100		
74	140.8	108.7	163.1
44	6.9	5.2	7.8





#5

2-Fluorophenol

Concen: 105.999 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.02 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

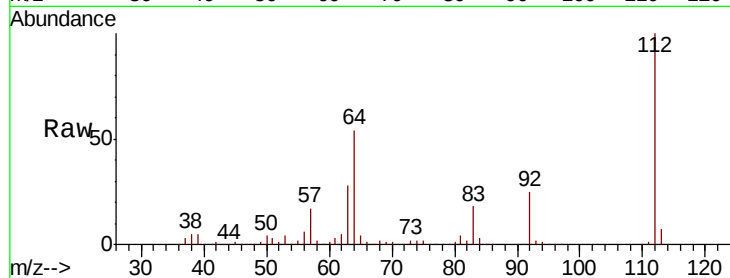
ClientSampleId :

CTR-020MSD

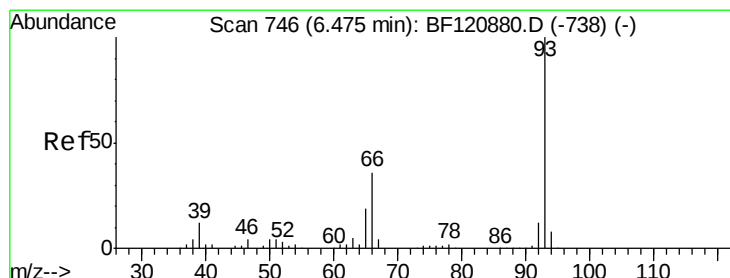
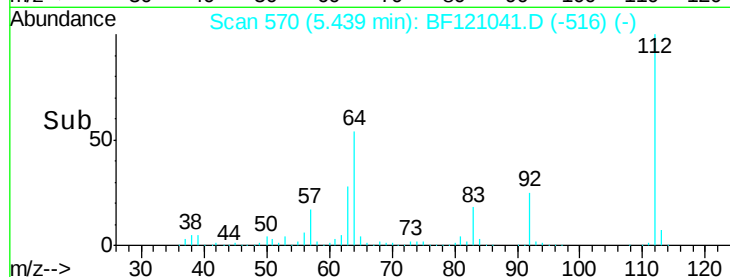
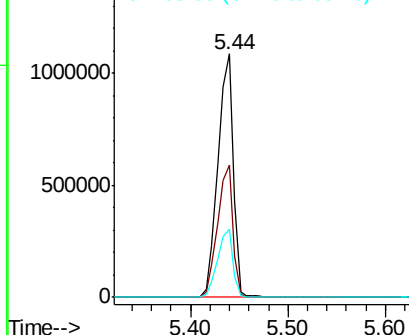
Tot Ion:	112	Resp:	1197869
Ion	Ratio	Lower	Upper
112	100		
64	54.4	41.3	61.9
63	28.2	21.1	31.7

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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



#6

Aniline

Concen: 30.121 ng

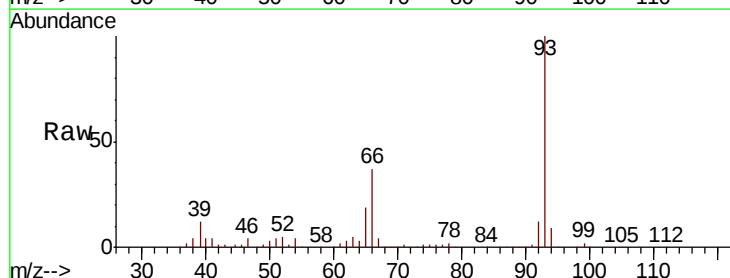
RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

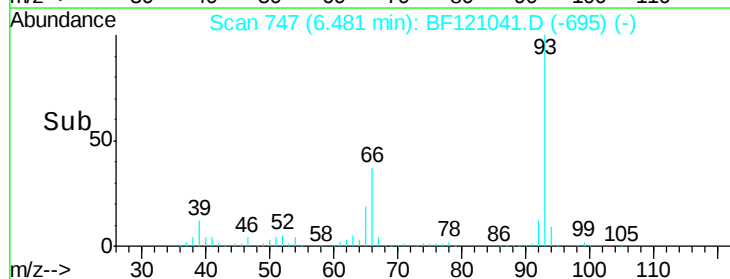
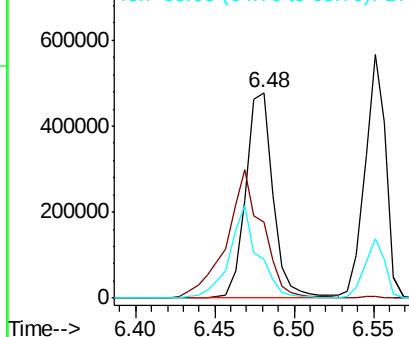
Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Tgt Ion:	93	Resp:	573958
Ion	Ratio	Lower	Upper
93	100		
66	36.9	30.2	45.4
65	18.9	15.8	23.6



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: 104.973 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

ClientSampleId :

CTR-020MSD

Tot Ion: 99 Resp: 1532370

Ion Ratio Lower Upper

99 100

42 16.8 13.1 19.7

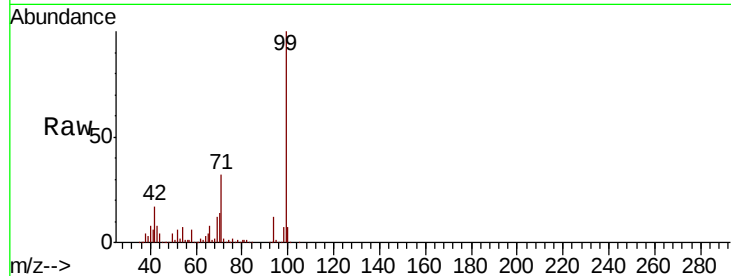
71 31.7 24.2 36.4

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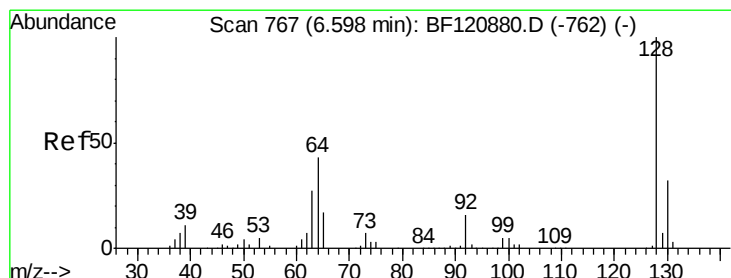
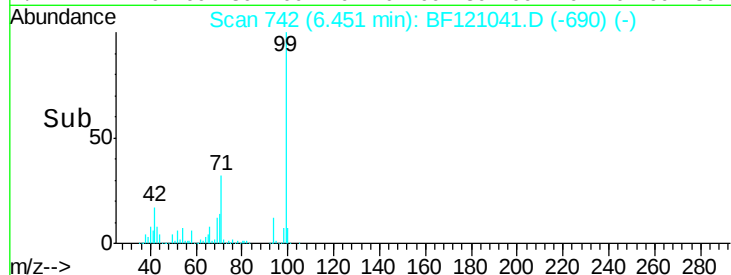
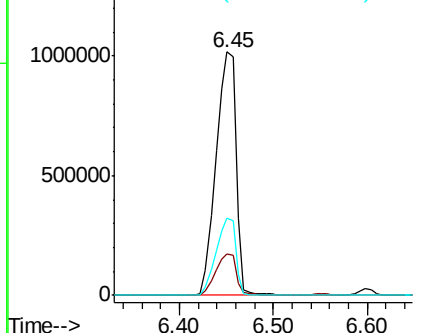
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.415 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF121041.D

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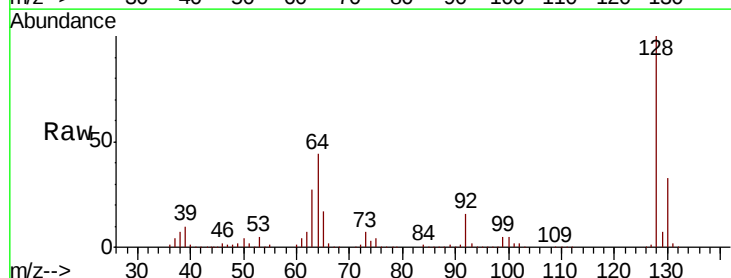
Tgt Ion: 128 Resp: 552934

Ion Ratio Lower Upper

128 100

130 33.2 12.1 52.1

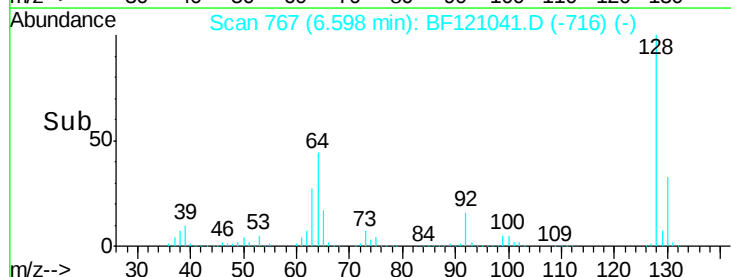
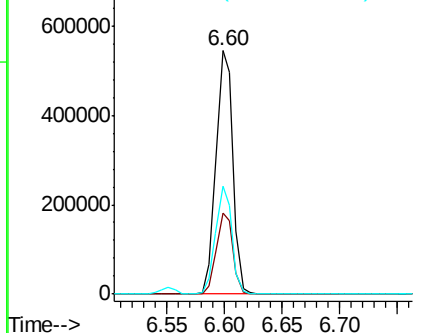
64 44.1 24.0 64.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 59.774 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

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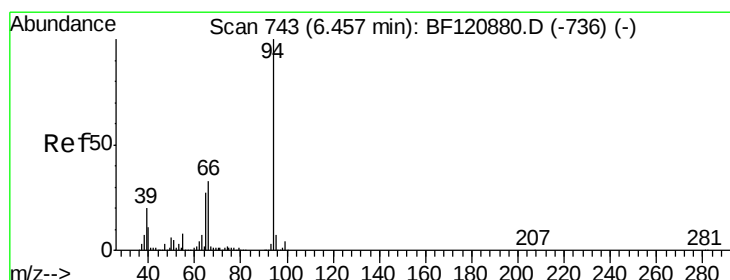
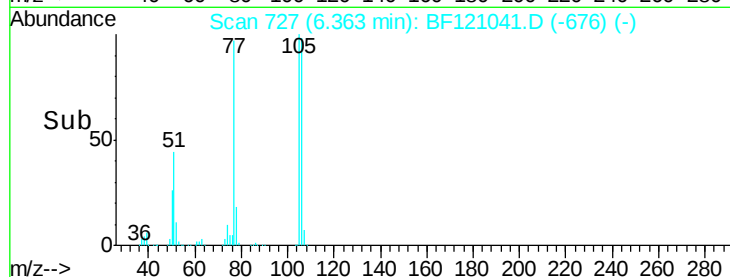
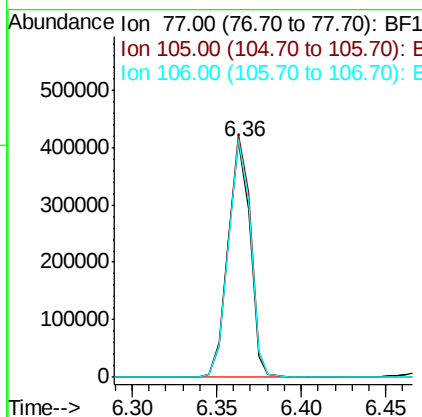
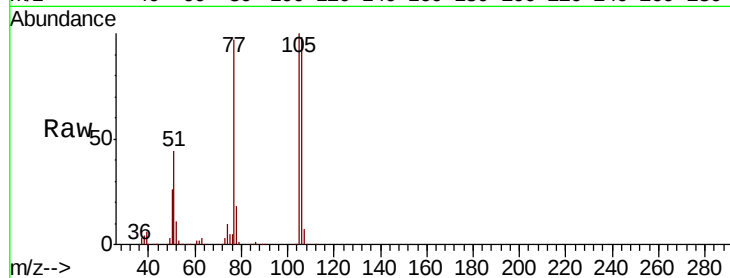
ClientSampleId :

CTR-020MSD

Tot Ion:	77	Resp:	371287
Ion	Ratio	Lower	Upper
77	100		
105	103.4	82.5	122.5
106	101.0	78.7	118.7

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#10

Phenol

Concen: 39.888 ng

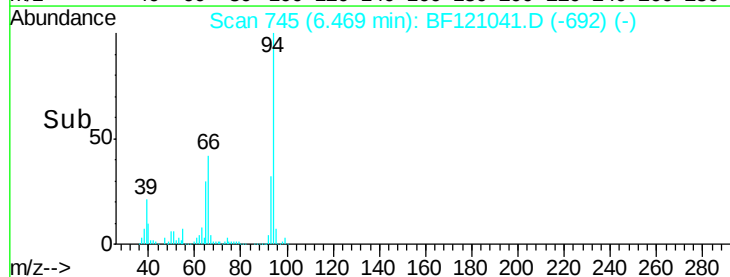
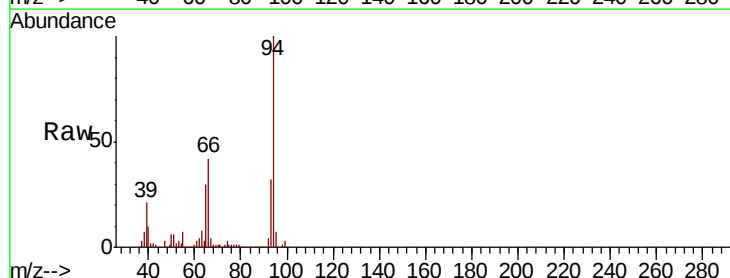
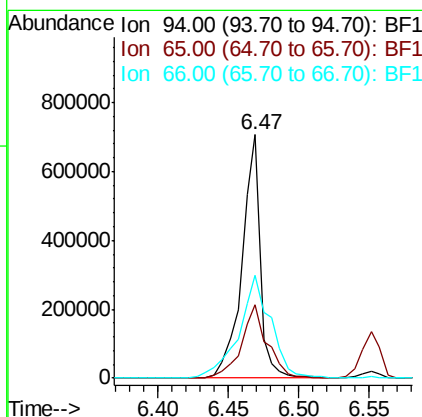
RT: 6.47 min Scan# 745

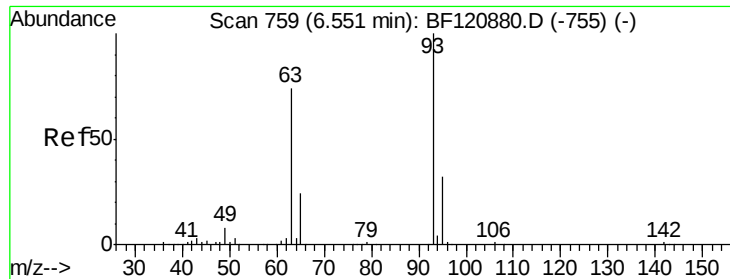
Delta R.T. 0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Tgt Ion:	94	Resp:	640518
Ion	Ratio	Lower	Upper
94	100		
65	30.3	6.6	46.6
66	42.1	13.2	53.2





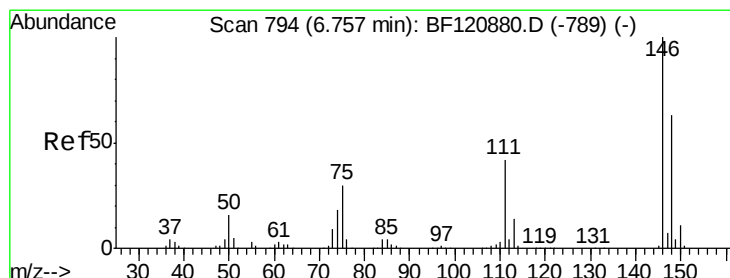
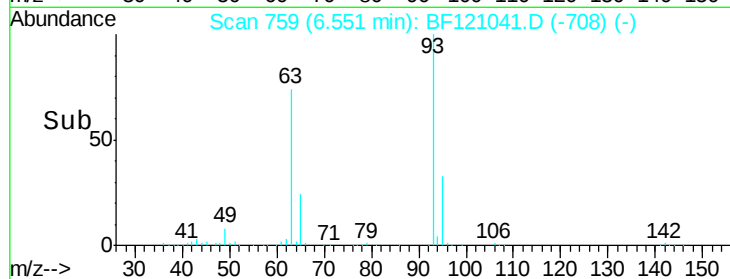
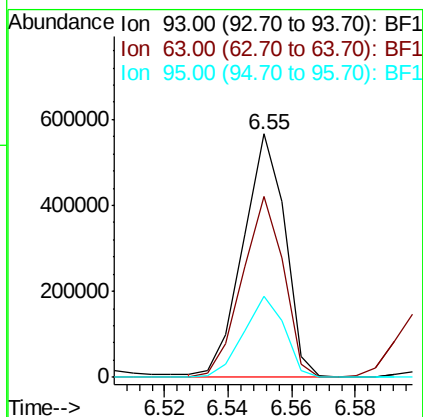
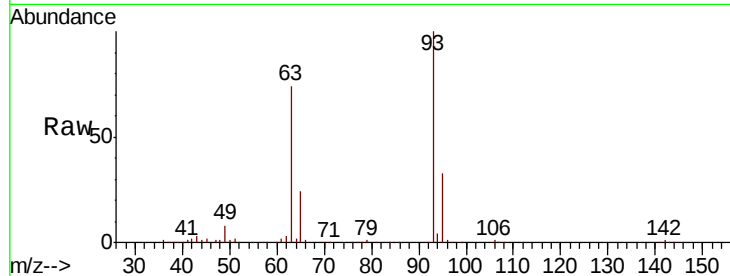
#11
bis(2-Chloroethyl)ether
Concen: 41.981 ng
RT: 6.55 min Scan# 759
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.2	54.2	94.2
95	33.2	12.2	52.2

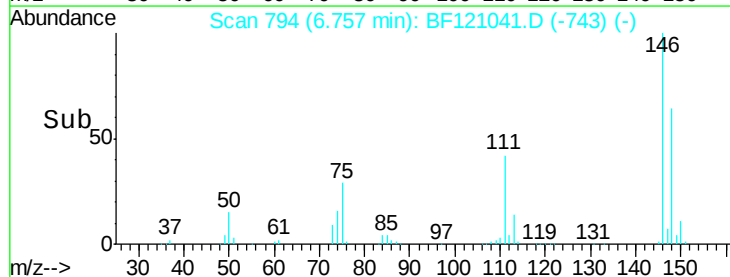
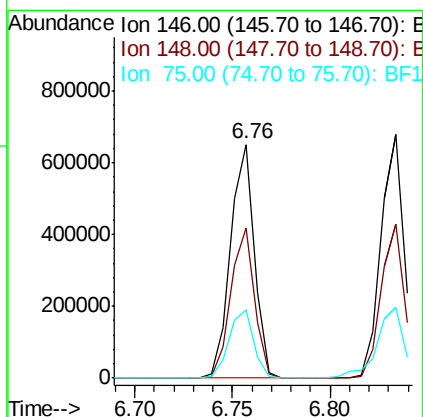
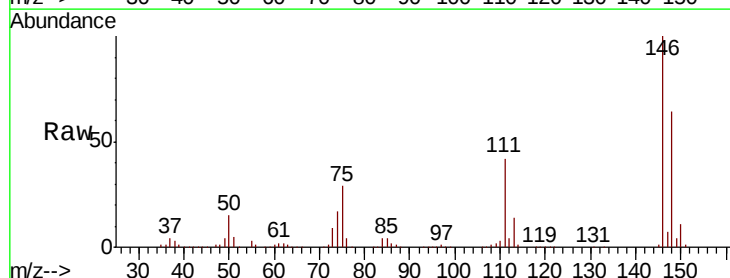
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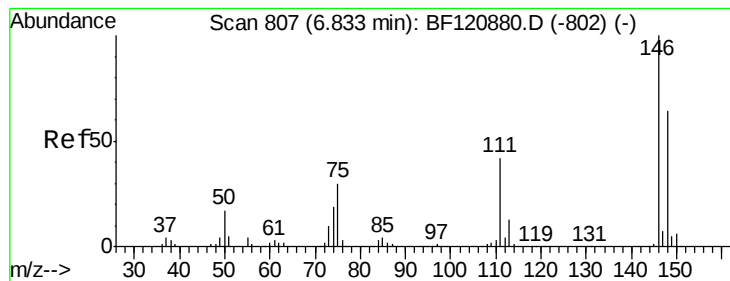
mohammad
7/28/2020 11:43:37 AM



#12
1,3-Dichlorobenzene
Concen: 40.745 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.6	75.8
75	29.2	24.1	36.1





#13

1,4-Dichlorobenzene

Concen: 41.283 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

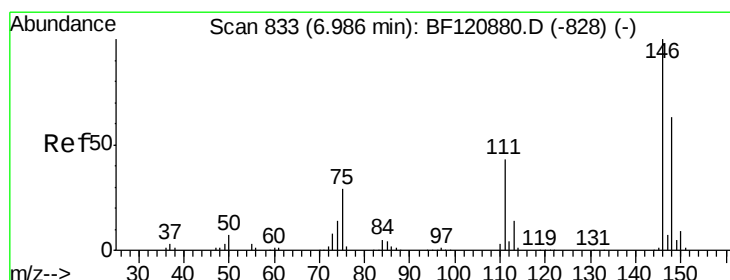
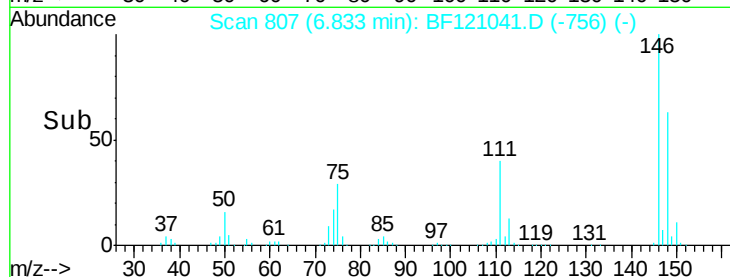
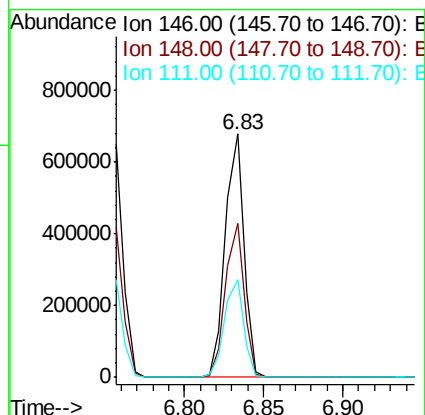
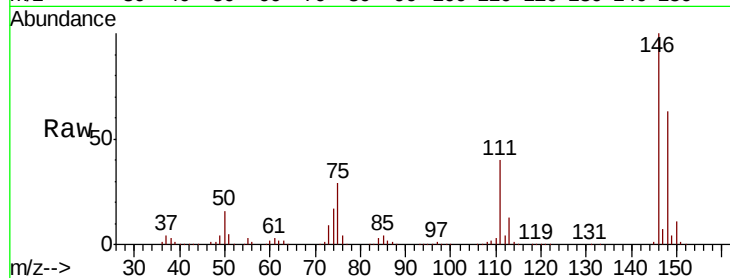
ClientSampleId :

CTR-020MSD

Tot Ion:	146	Resp:	554159
Ion Ratio	Lower	Upper	
146	100		
148	63.4	51.6	77.4
111	40.1	33.5	50.3

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#14

1,2-Dichlorobenzene

Concen: 42.117 ng

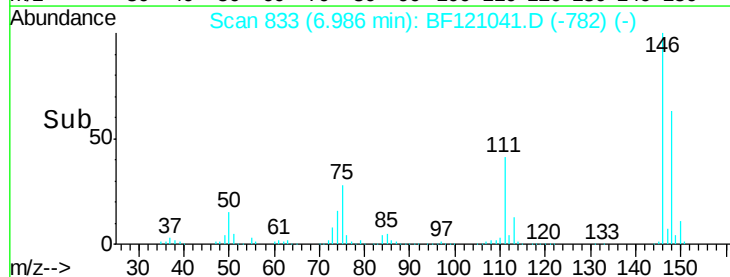
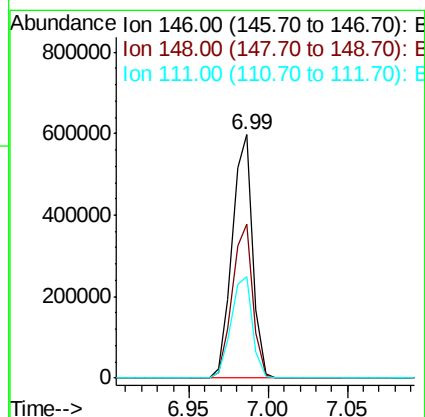
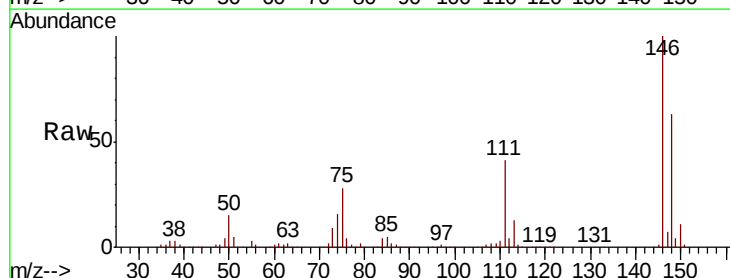
RT: 6.99 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Tgt Ion:	146	Resp:	534844
Ion Ratio	Lower	Upper	
146	100		
148	63.5	50.6	76.0
111	41.5	34.2	51.2





#15

Benzyl Alcohol

Concen: 42.430 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

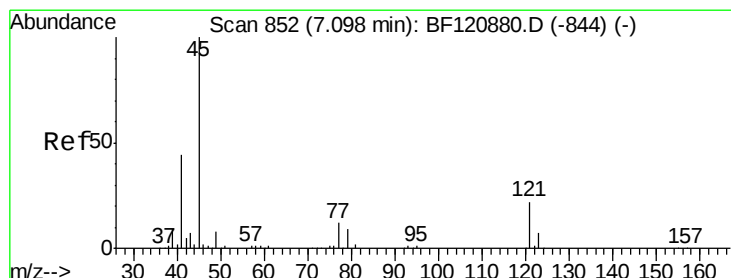
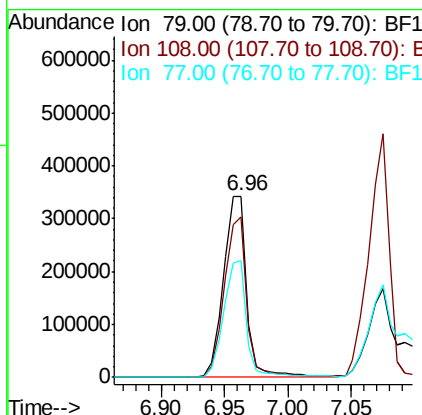
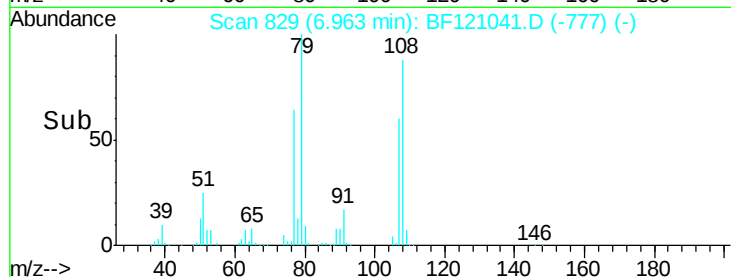
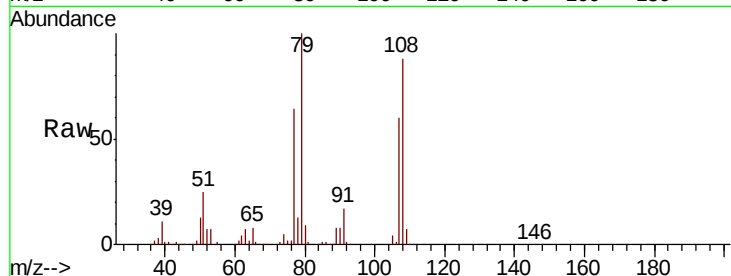
ClientSampleId :

CTR-020MSD

Tot Ion:	79	Resp:	438018
Ion	Ratio	Lower	Upper
79	100		
108	88.4	67.0	100.6
77	64.1	51.0	76.4

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#16

2,2'-oxybis(1-chloropropane)

Concen: 40.353 ng

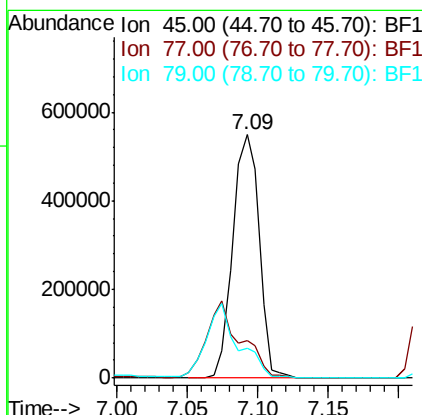
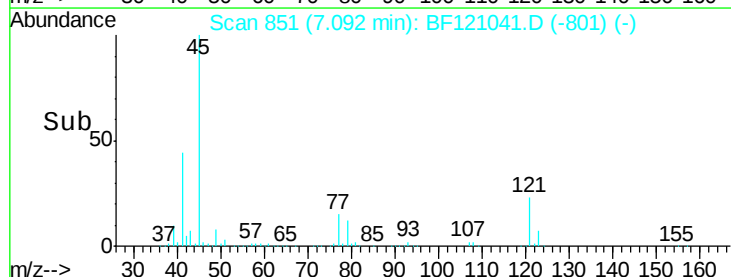
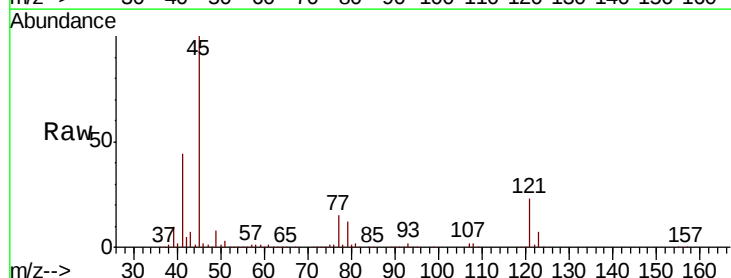
RT: 7.09 min Scan# 851

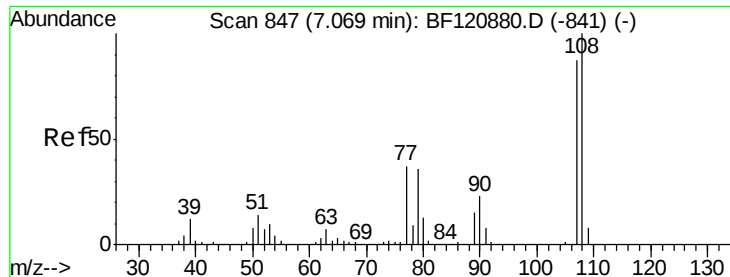
Delta R.T. -0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Tgt Ion:	45	Resp:	715781
Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	34.3
79	12.1	0.0	31.0





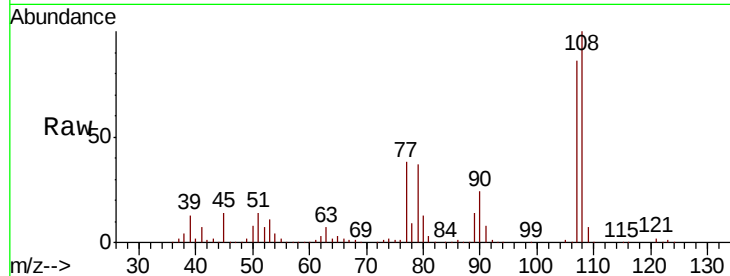
#17
2-Methylphenol
Concen: 39.883 ng
RT: 7.07 min Scan# 848
Delta R.T. 0.01 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	116.7	92.0	138.0	
77	44.5	34.0	51.0	
79	42.7	33.3	49.9	

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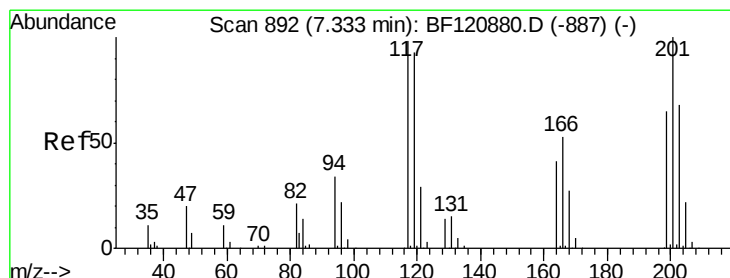
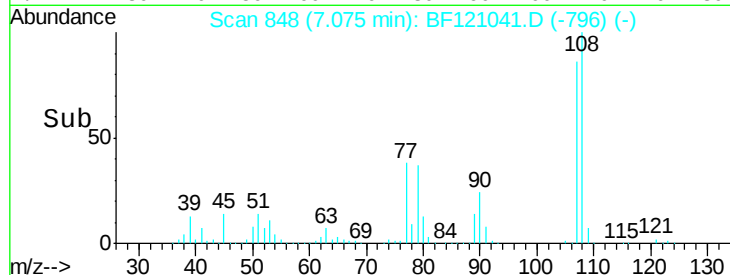
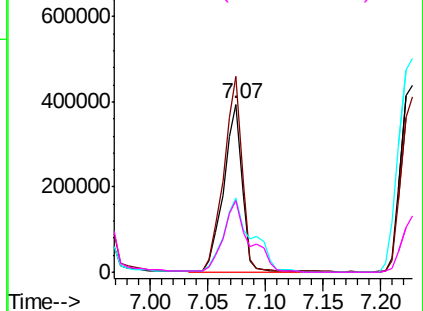
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

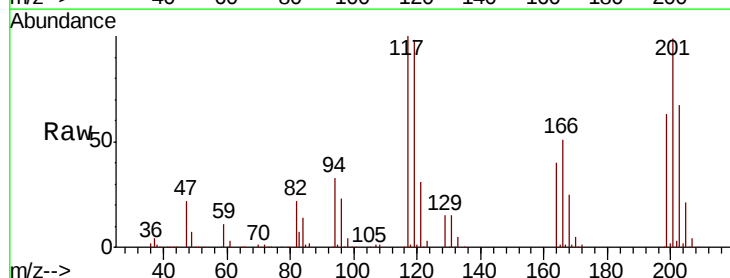
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 43.076 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.6	76.0	114.0	
201	98.9	81.7	122.5	

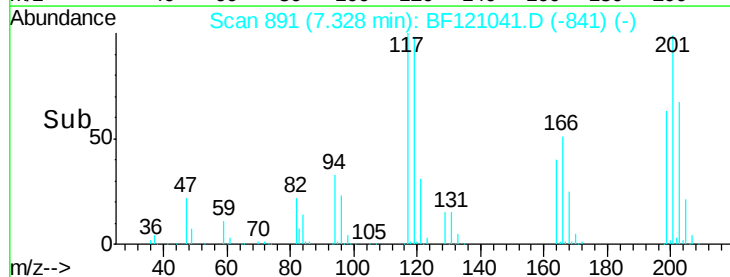
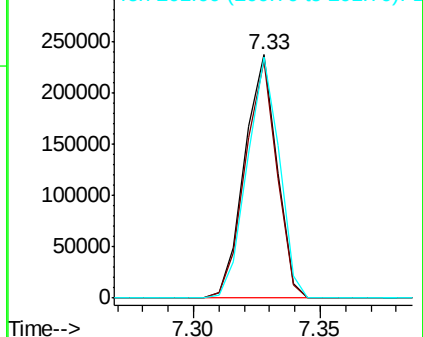


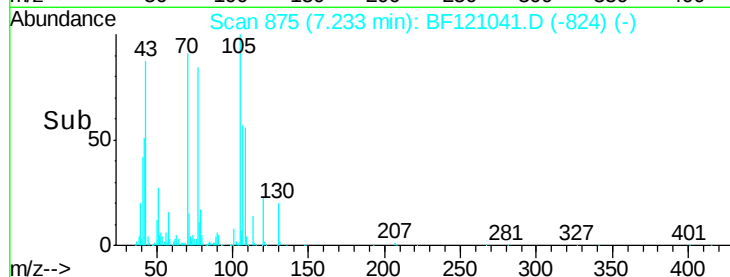
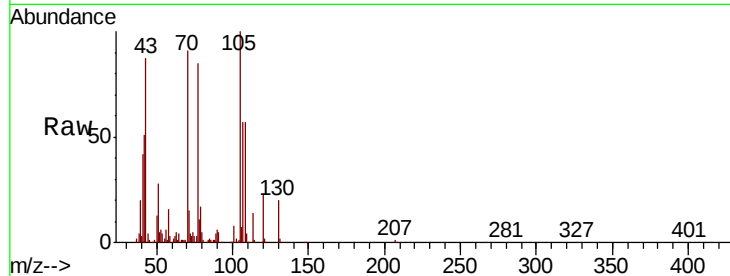
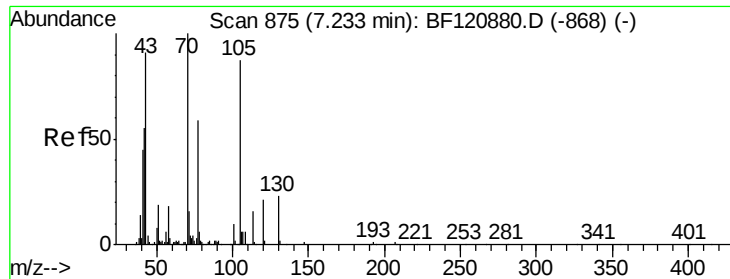
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





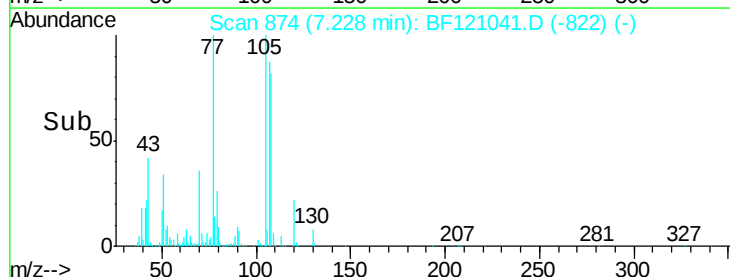
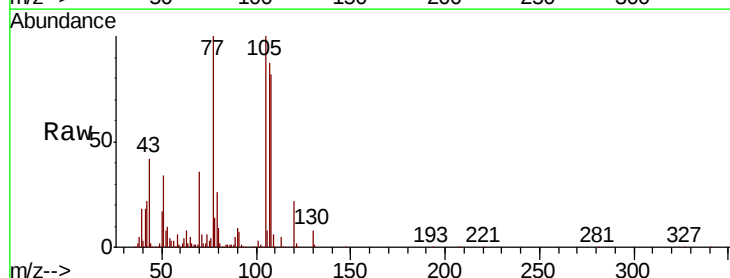
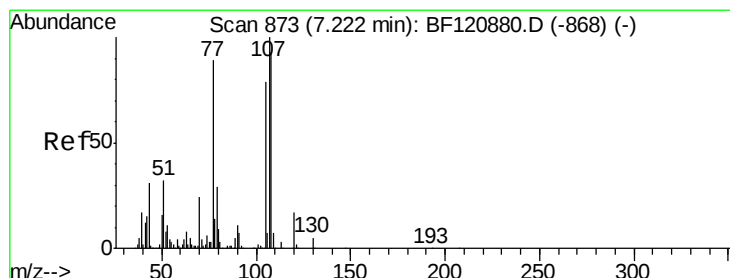
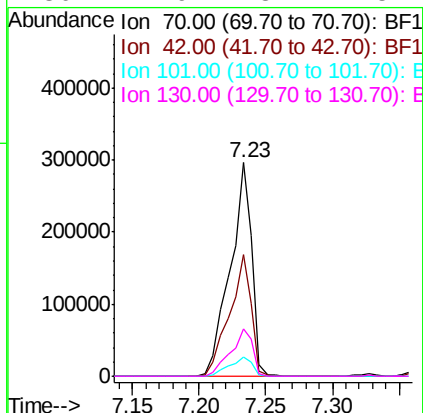
#19
n-Nitroso-di-n-propylamine
Concen: 40.697 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.7	44.0	66.0	
101	9.3	7.8	11.6	
130	21.9	18.7	28.1	

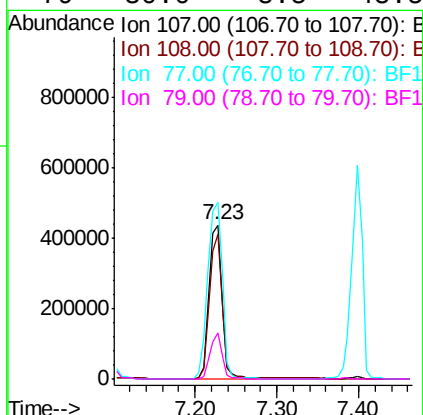
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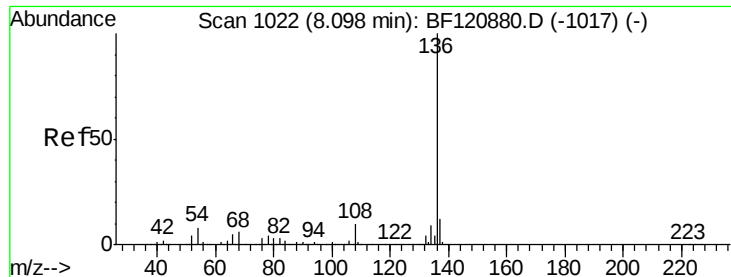
mohammad
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#20
3+4-Methylphenols
Concen: 33.885 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.9	72.8	112.8	
77	114.5	68.7	108.7#	
79	30.0	8.5	48.5	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

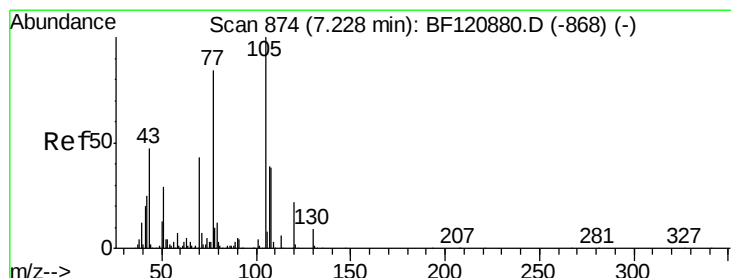
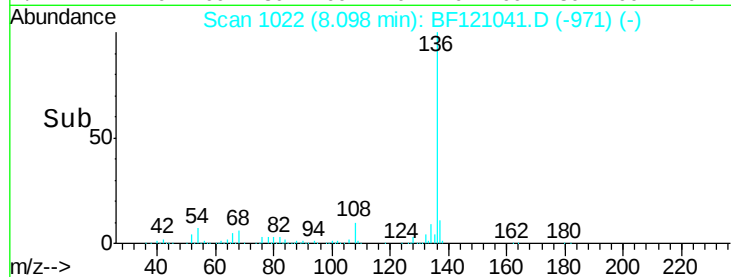
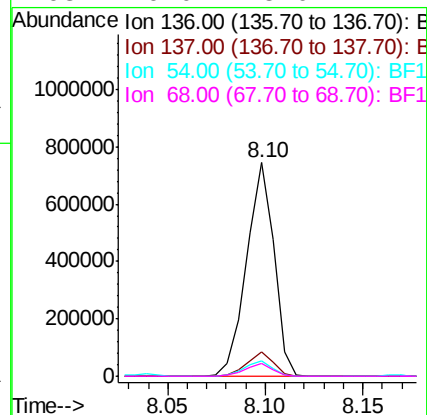
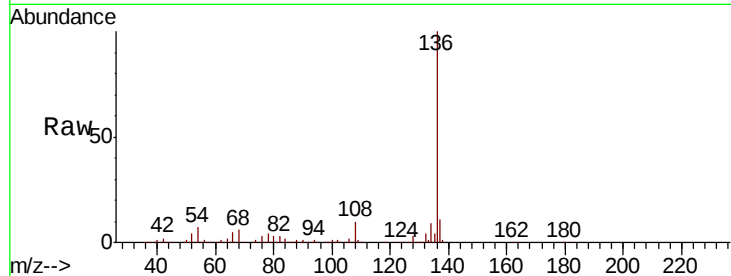
ClientSampleId :

CTR-020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		729360		
137	11.1		9.3	13.9	
54	7.0		6.3	9.5	
68	6.0		5.0	7.4	

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#22

Acetophenone

Concen: 40.599 ng

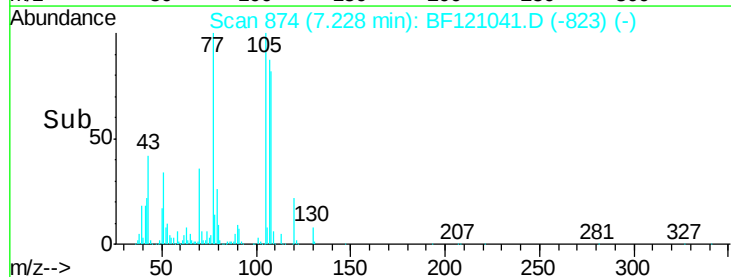
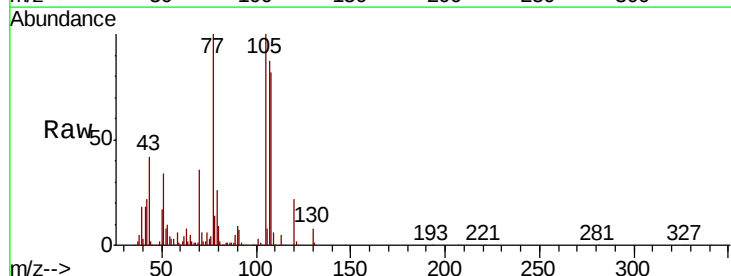
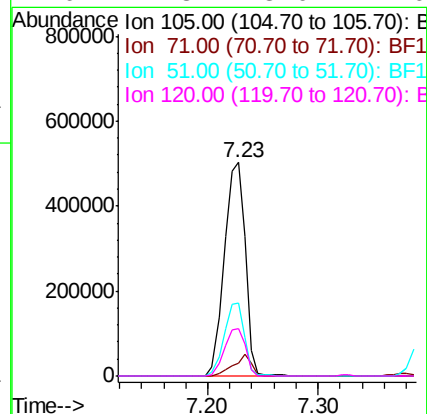
RT: 7.23 min Scan# 874

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		664574		
71	6.0		5.7	8.5	
51	34.2		22.9	34.3	
120	22.3		18.0	27.0	





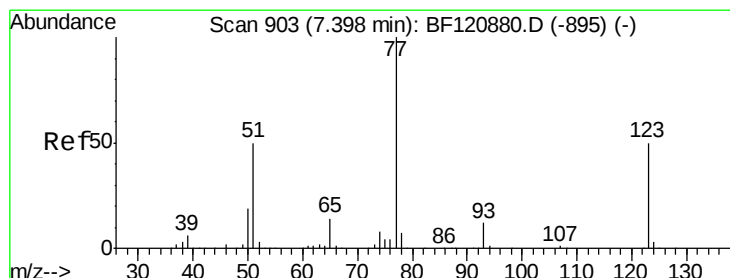
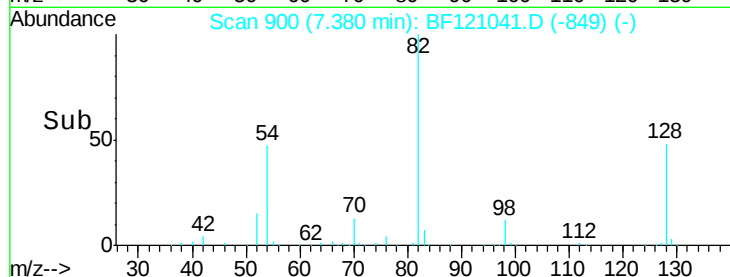
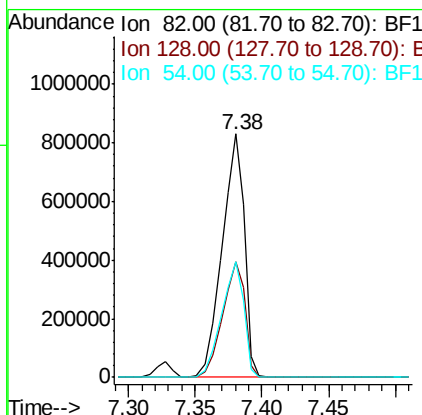
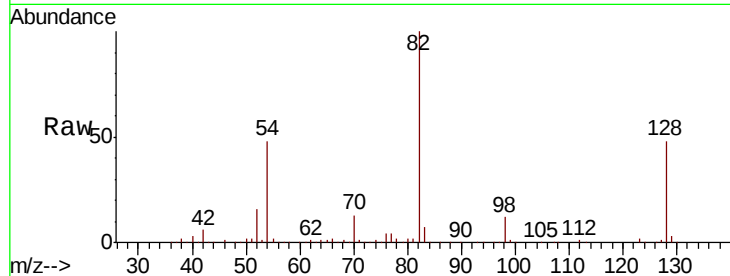
#23
Nitrobenzene-d5
Concen: 77.565 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	38.2	57.4
54	47.7	38.7	58.1

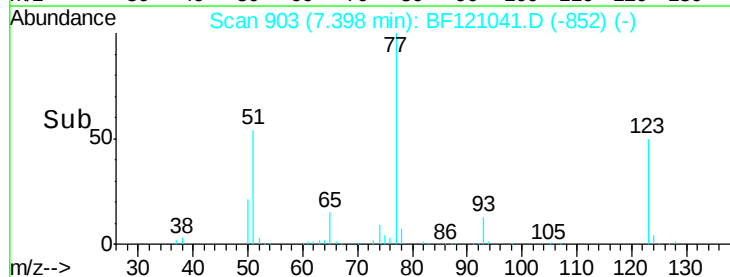
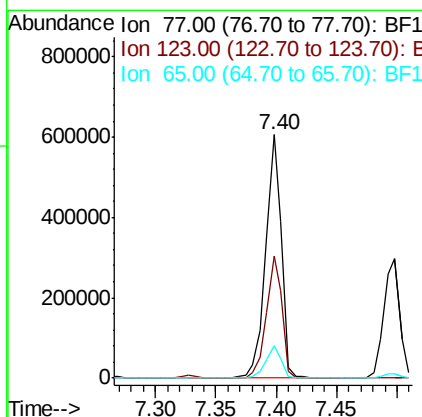
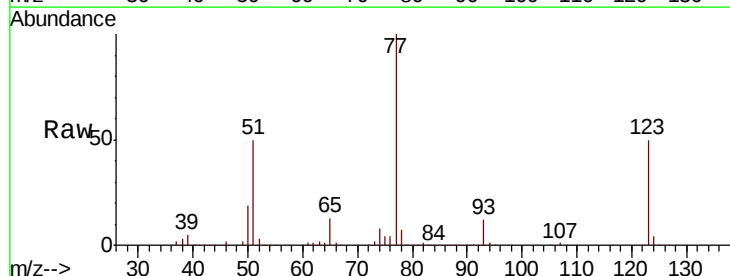
Manual Integrations
APPROVED

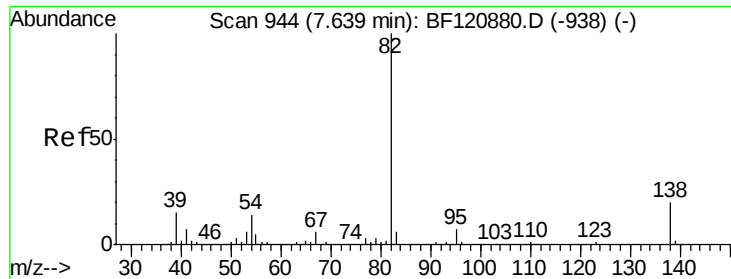
mohammad
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#24
Nitrobenzene
Concen: 40.164 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.9	40.1	60.1
65	13.4	10.8	16.2





#25

Isophorone

Concen: 41.134 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

ClientSampleId :

CTR-020MSD

Tot Ion: 82 Resp: 1034800

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

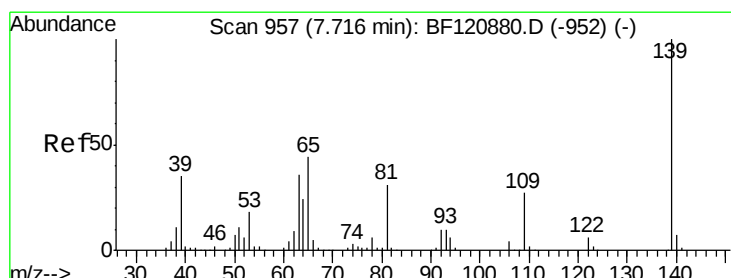
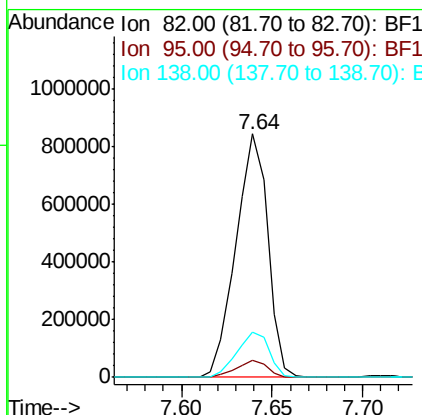
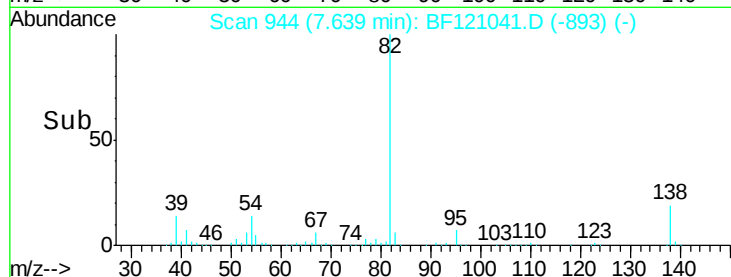
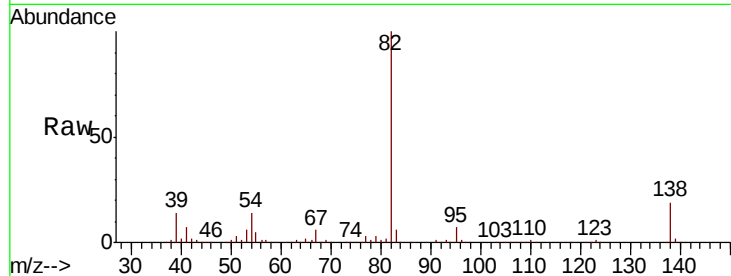
138 18.8 15.6 23.4

Manual Integrations

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#26

2-Nitrophenol

Concen: 46.290 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

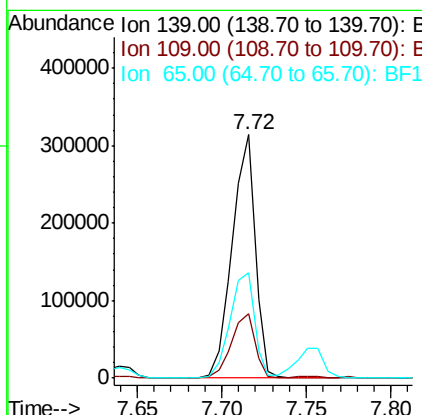
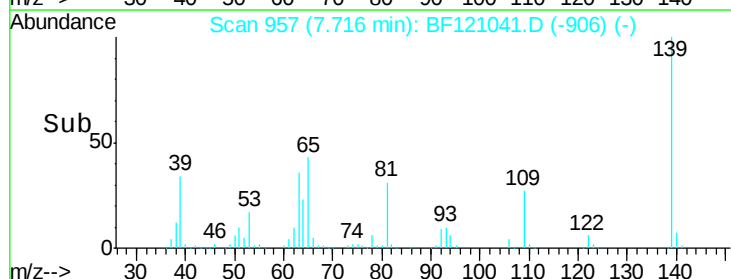
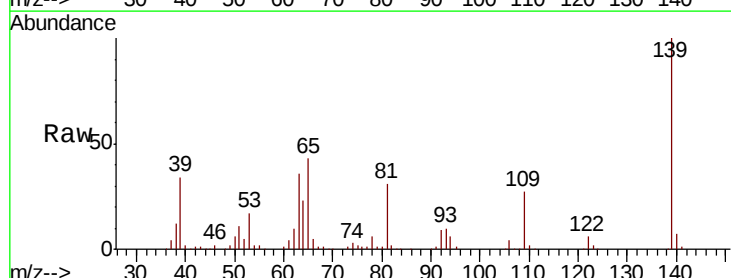
Tgt Ion: 139 Resp: 298674

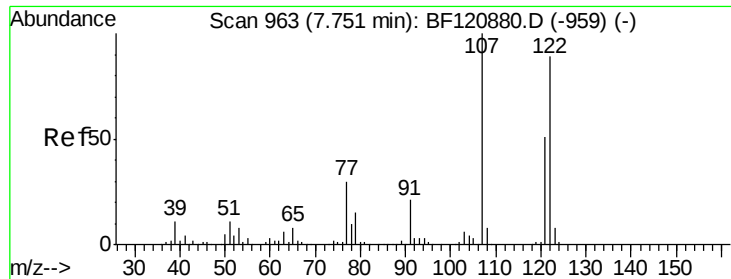
Ion Ratio Lower Upper

139 100

109 26.6 21.6 32.4

65 43.1 35.3 52.9





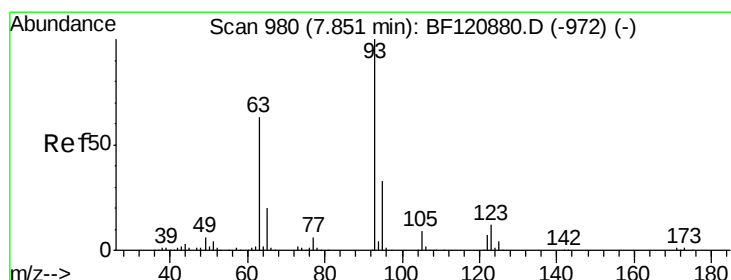
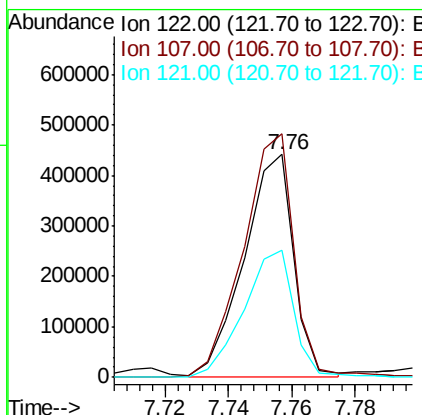
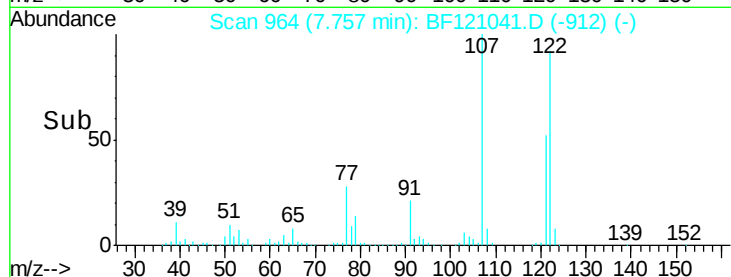
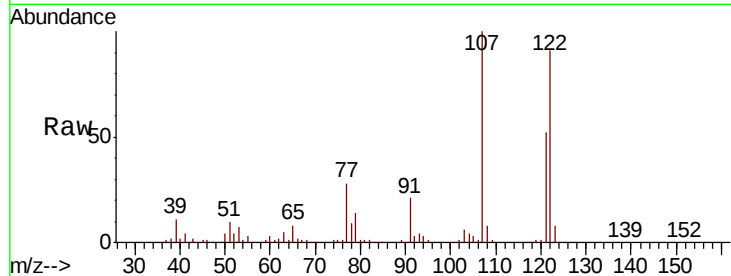
#27
2,4-Dimethylphenol
Concen: 45.876 ng
RT: 7.76 min Scan# 964
Delta R.T. 0.01 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		480598		
107	109.3	89.4	134.0		
121	57.0	46.0	69.0		

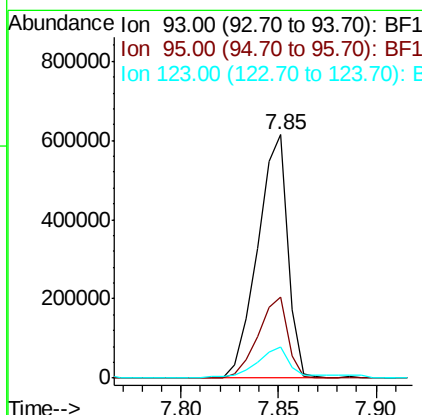
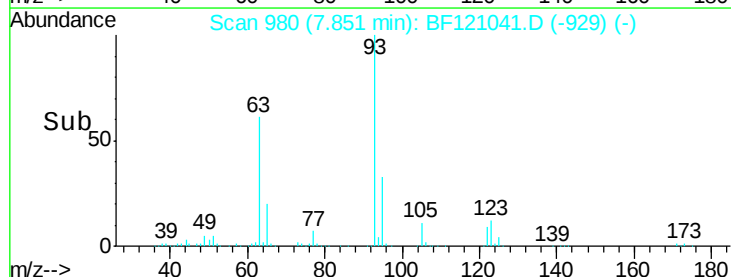
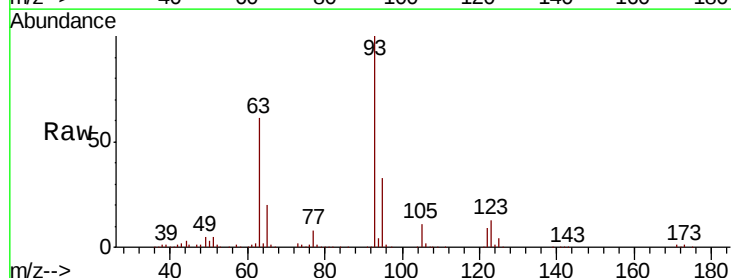
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#28
bis(2-Chloroethoxy)methane
Concen: 42.778 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		656911		
95	33.3	26.6	39.8		
123	12.6	10.0	15.0		





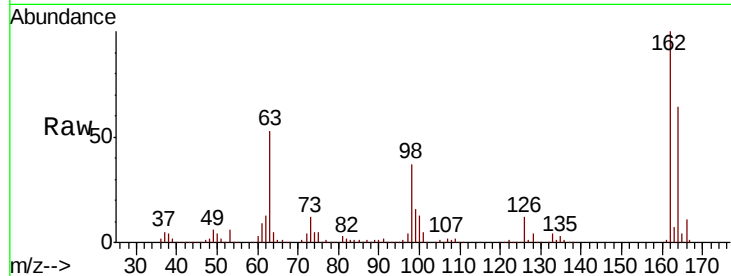
#29
2,4-Dichlorophenol
Concen: 43.132 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		461723		
164	64.4	45.3	85.3		
98	36.5	13.3	53.3		

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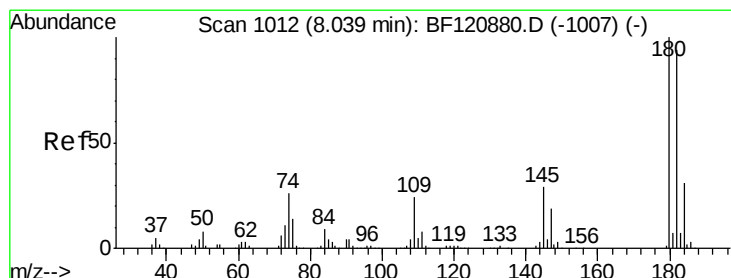
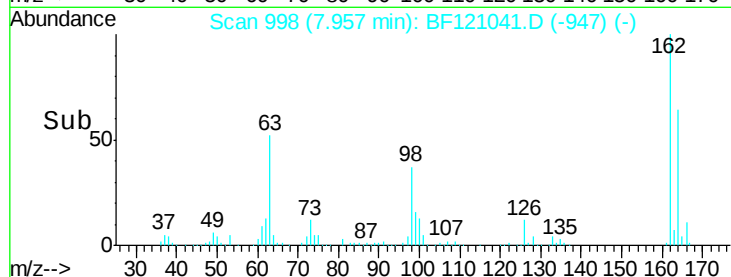
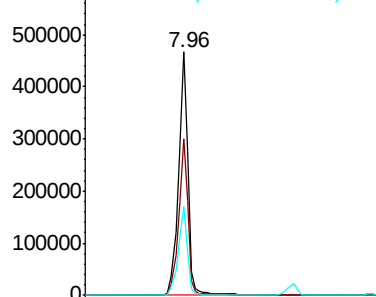


Abundance

Ion 162.00 (161.70 to 162.70): E

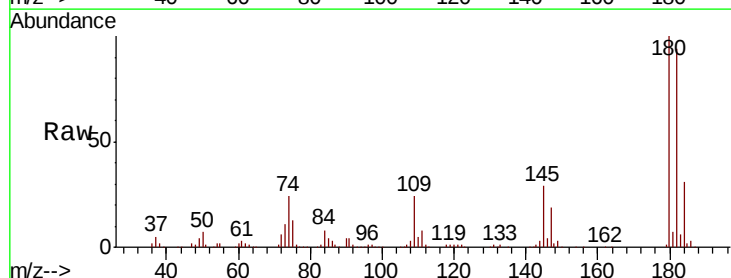
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 41.485 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		492705		
182	93.8	75.0	112.6		
145	29.4	23.5	35.3		

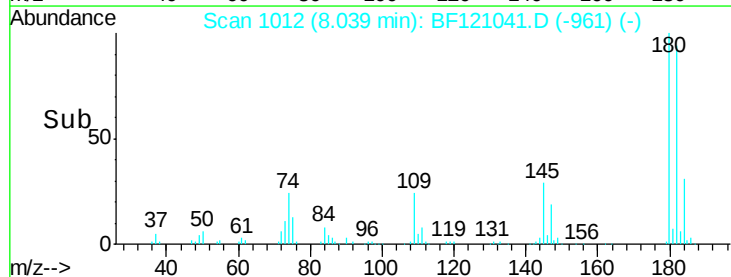
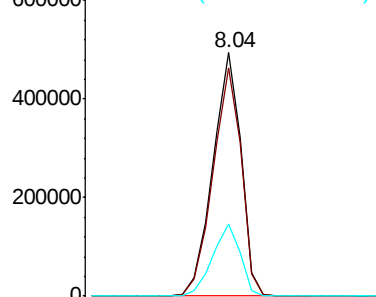


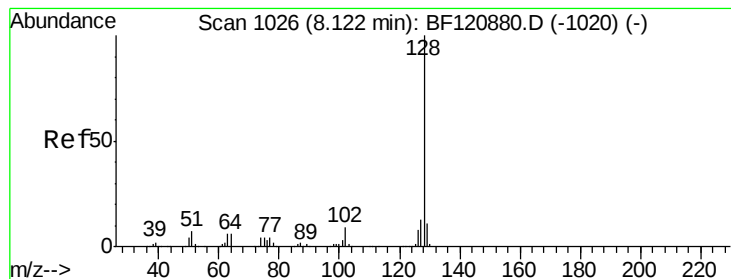
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 40.117 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

ClientSampleId :

CTR-020MSD

Tot Ion:128 Resp: 1500884

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

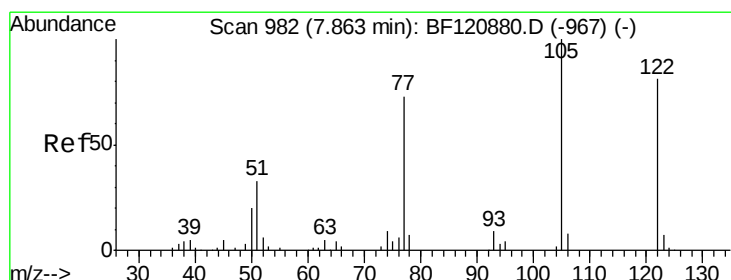
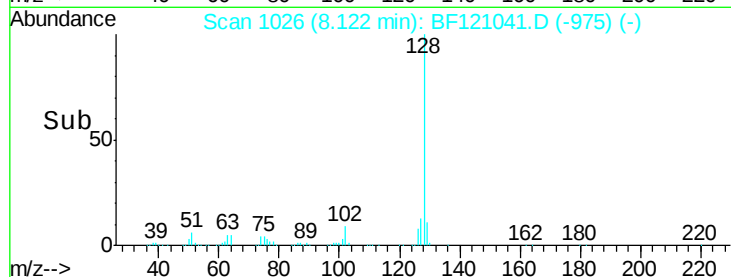
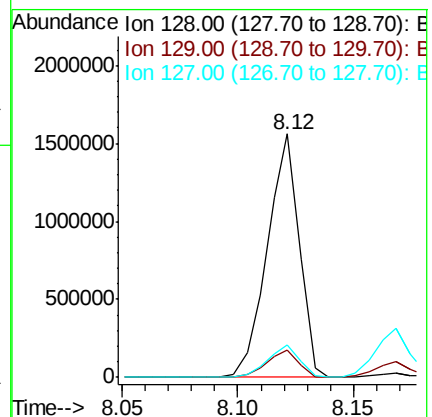
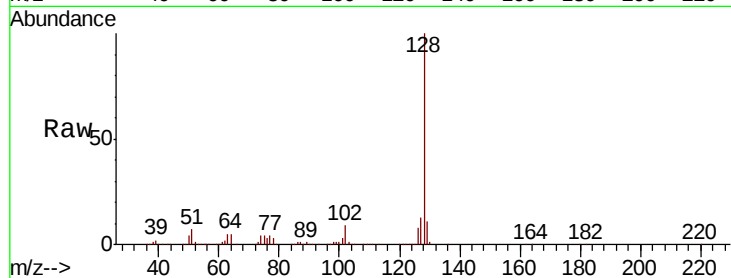
127 13.3 10.7 16.1

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#32

Benzoic acid

Concen: 45.859 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.03 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

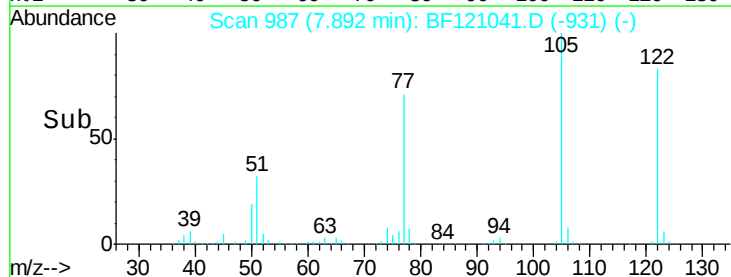
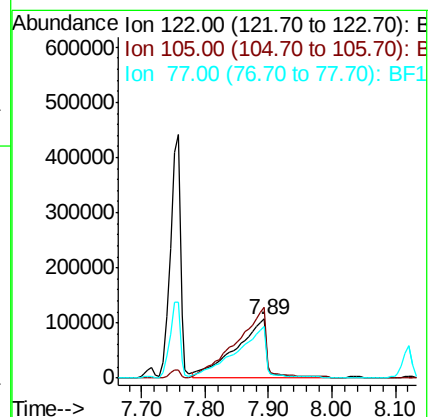
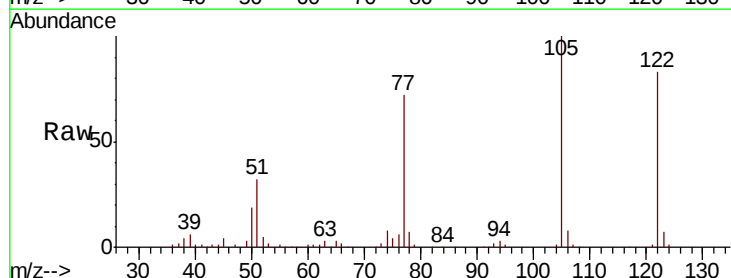
Tgt Ion:122 Resp: 360631

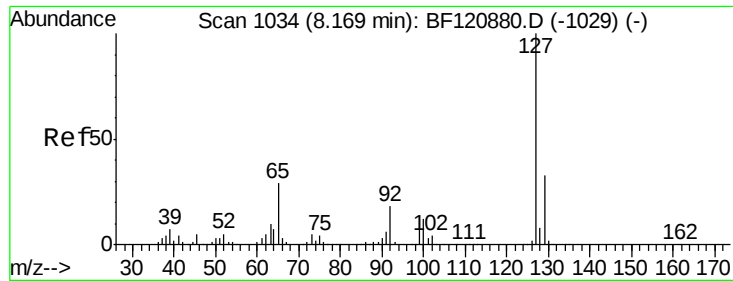
Ion Ratio Lower Upper

122 100

105 120.3 101.3 141.3

77 86.9 69.1 109.1





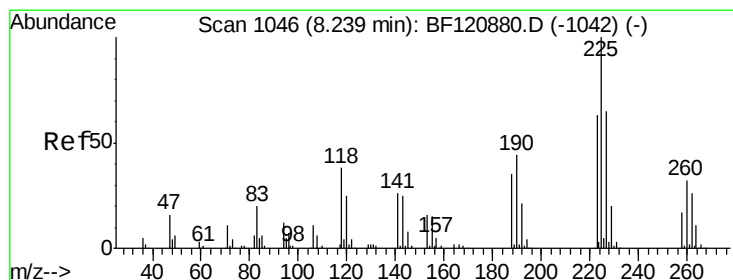
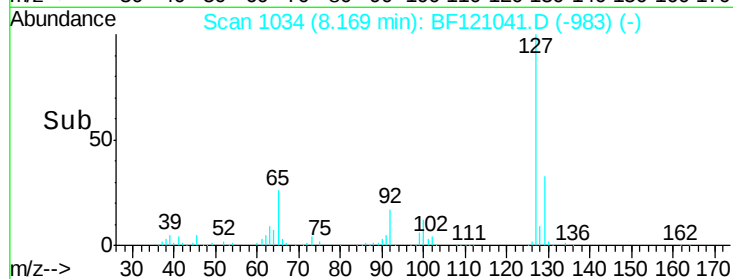
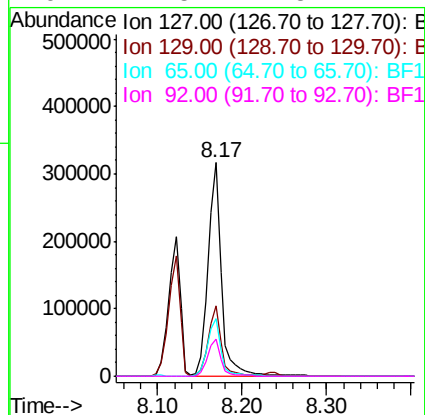
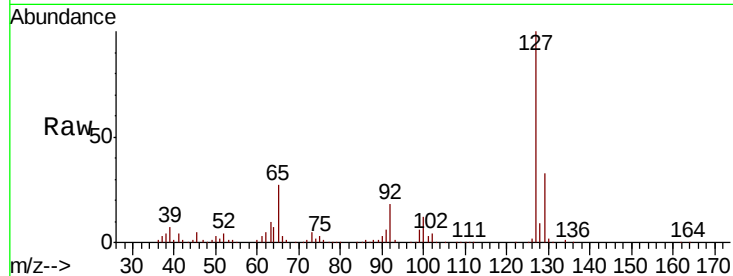
#33
4-Chloroaniline
Concen: 20.797 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		347088		
129	32.9	26.5	39.7		
65	26.7	23.0	34.4		
92	17.5	14.5	21.7		

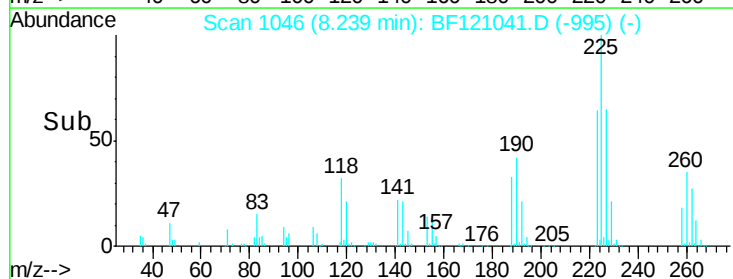
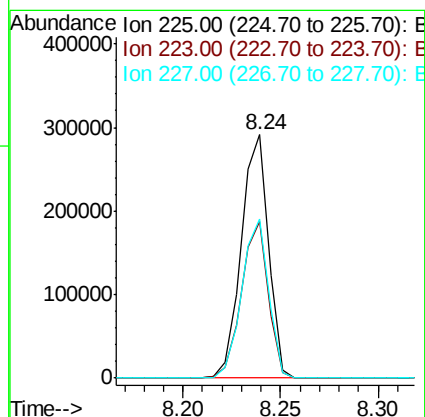
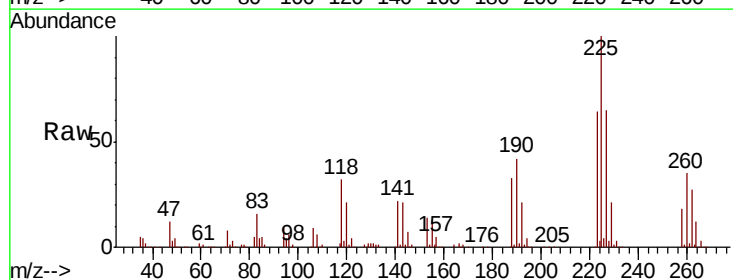
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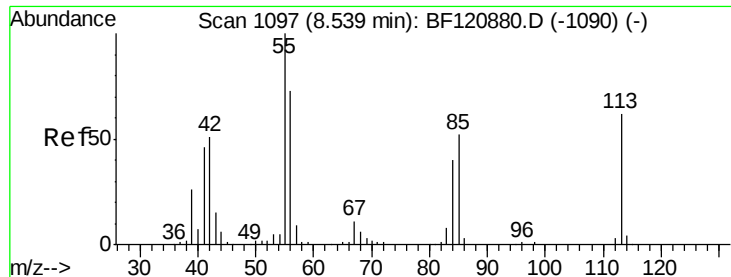
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#34
Hexachlorobutadiene
Concen: 40.236 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		281705		
223	64.5	50.6	76.0		
227	65.4	52.2	78.2		





#35

Caprolactam

Concen: 44.567 ng/ml

RT: 8.55 min Scan# 1099

Delta R.T. 0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

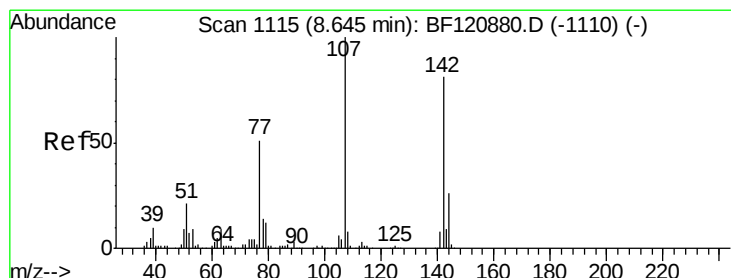
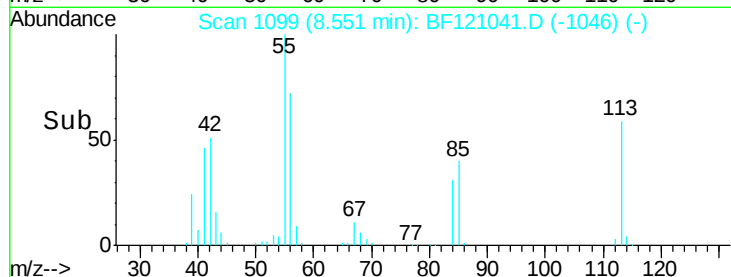
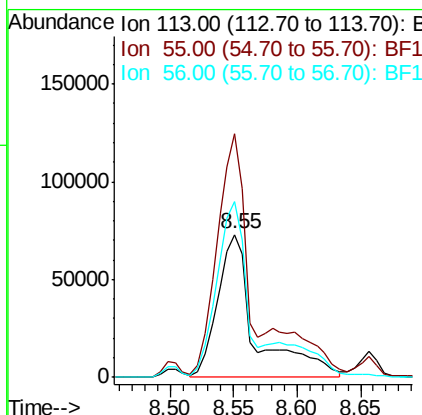
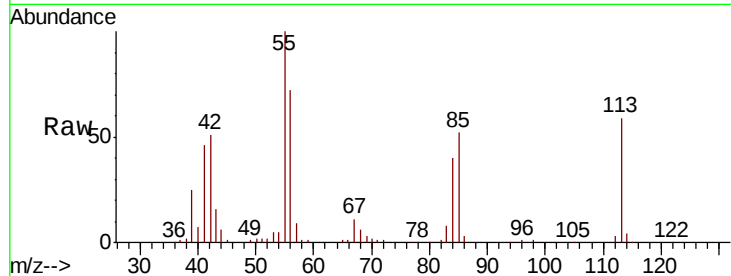
ClientSampleId :

CTR-020MSD

Tot Ion:	113	Resp:	152993
Ion Ratio	Lower	Upper	
113	100		
55	170.2	143.3	183.3
56	122.6	99.4	139.4

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#36

4-Chloro-3-methylphenol

Concen: 44.512 ng/ml

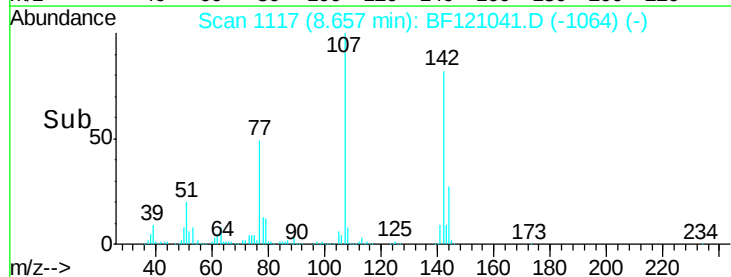
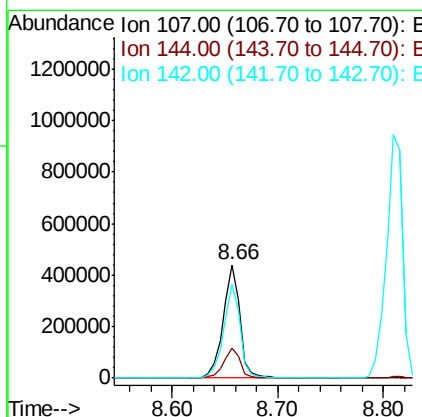
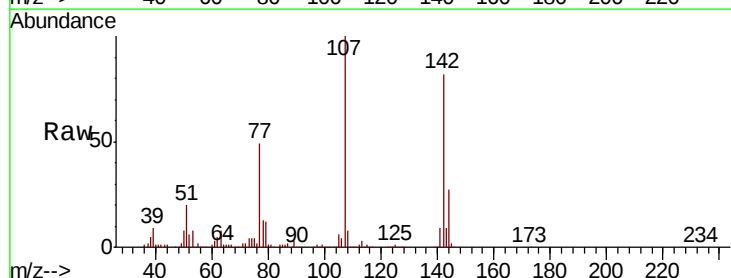
RT: 8.66 min Scan# 1117

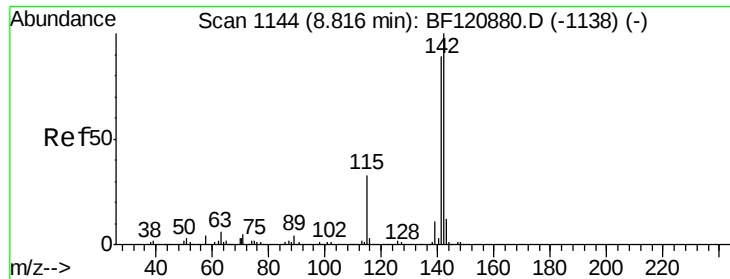
Delta R.T. 0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Tgt Ion:	107	Resp:	488686
Ion Ratio	Lower	Upper	
107	100		
144	26.8	21.0	31.6
142	82.4	65.0	97.6





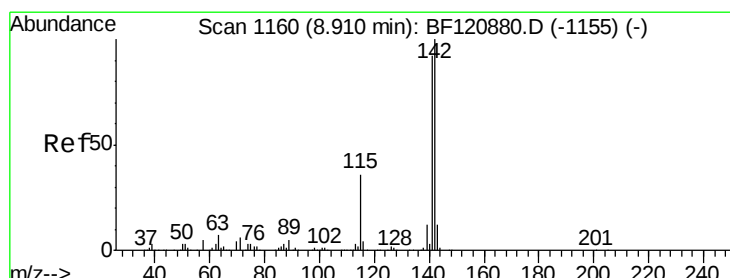
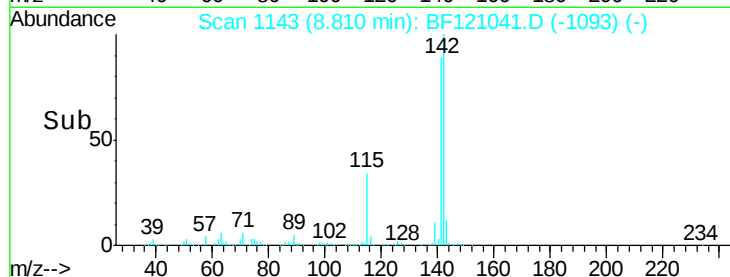
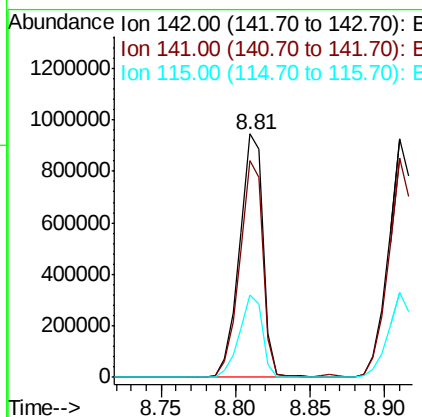
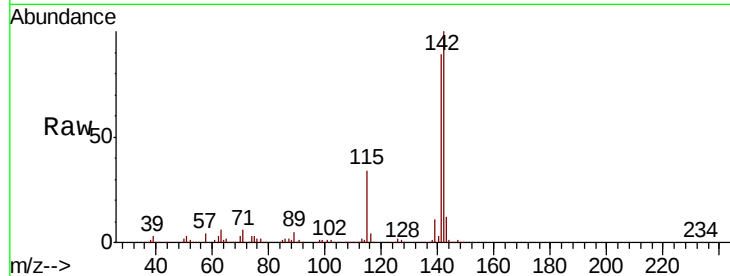
#37
2-Methylnaphthalene
Concen: 42.525 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion:142 Resp: 1033032
Ion Ratio Lower Upper
142 100
141 89.2 71.0 106.4
115 33.9 26.0 39.0

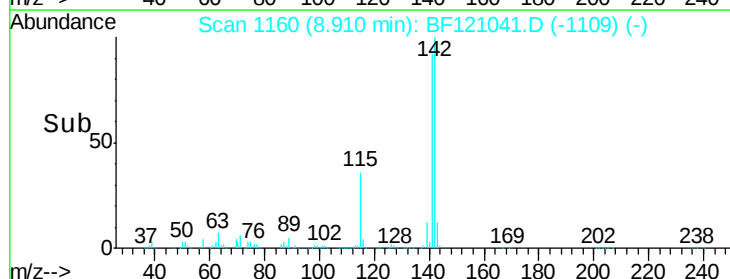
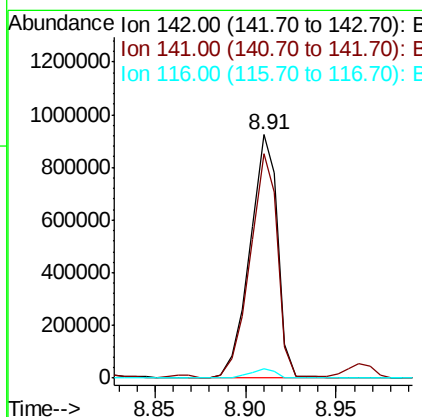
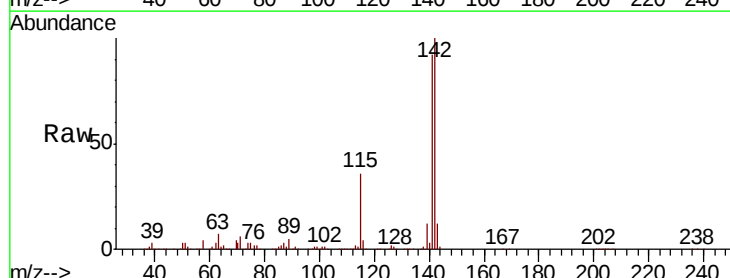
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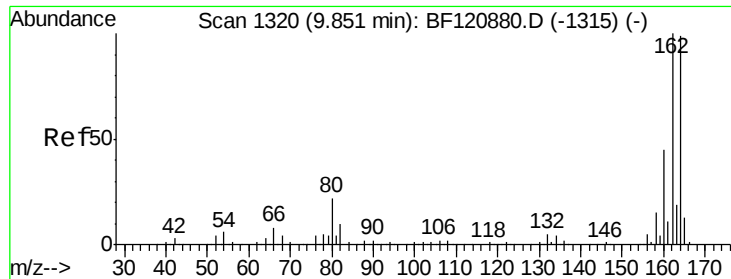
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#38
1-Methylnaphthalene
Concen: 42.407 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion:142 Resp: 975673
Ion Ratio Lower Upper
142 100
141 92.2 73.7 110.5
116 3.8 3.0 4.6





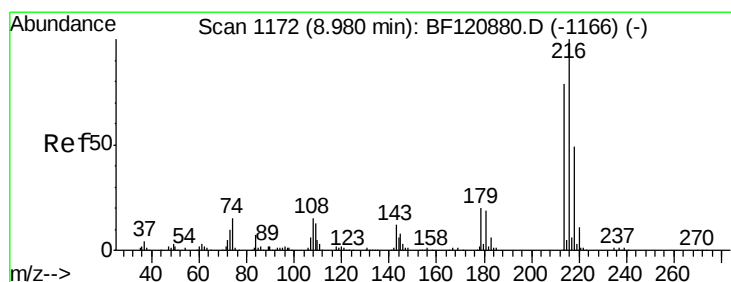
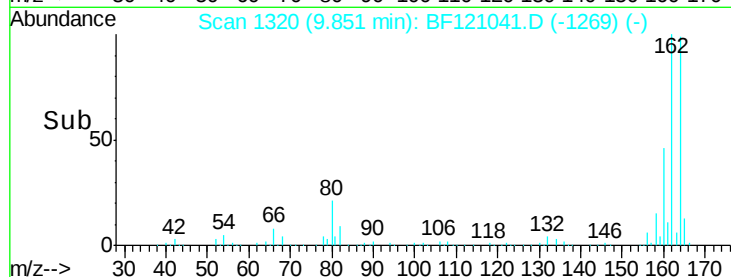
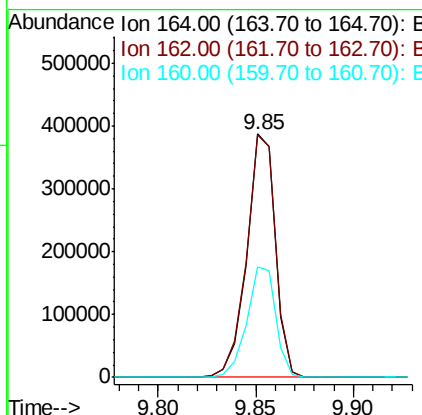
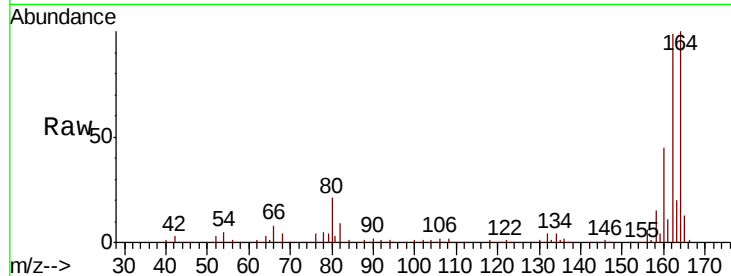
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.2	121.8
160	45.3	36.9	55.3

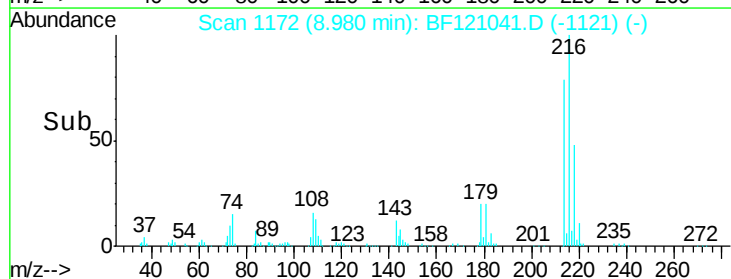
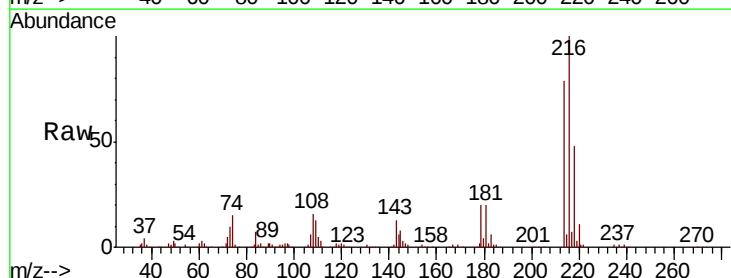
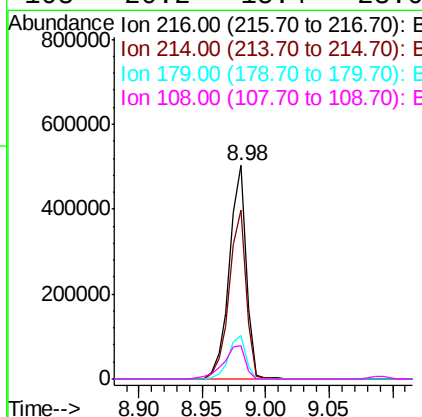
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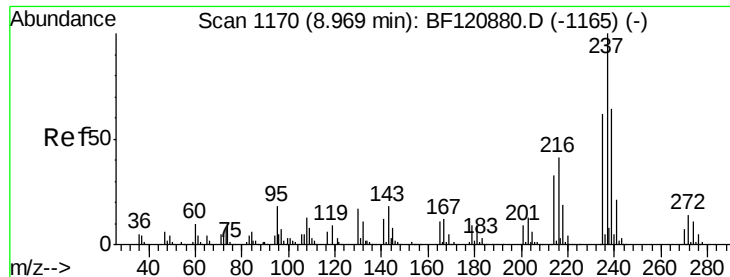
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.580 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.8	95.8
179	20.9	16.6	24.8
108	20.2	15.4	23.0





#41

Hexachlorocyclopentadiene

Concen: 73.021 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

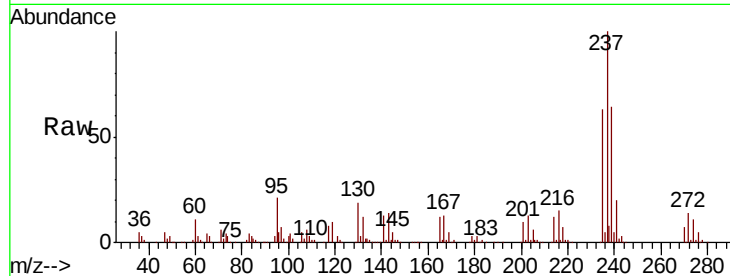
ClientSampleId :

CTR-020MSD

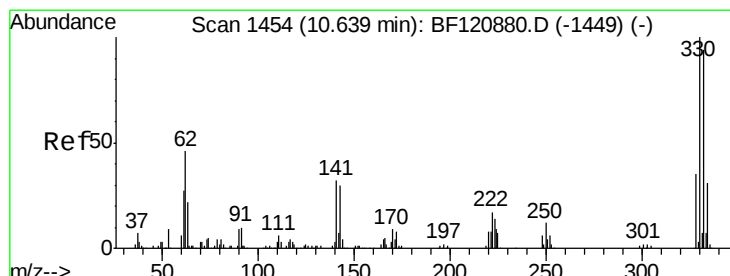
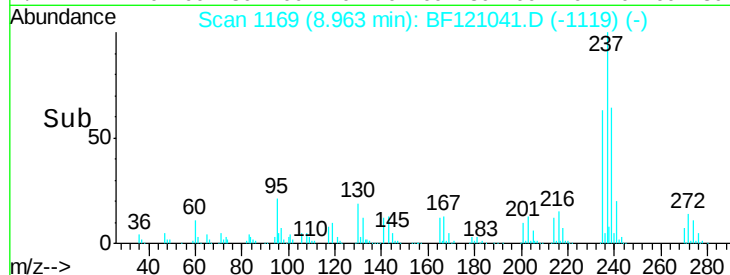
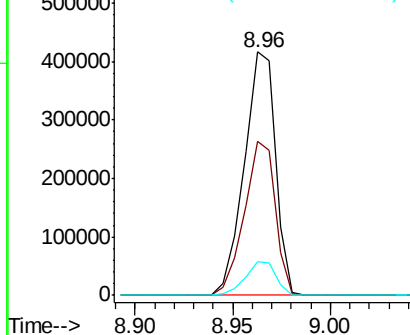
Tot Ion:	237	Resp:	461280
Ion Ratio	Lower	Upper	
237	100		
235	63.4	41.6	81.6
272	14.0	0.0	33.7

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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



#42

2,4,6-Tribromophenol

Concen: 113.977 ng

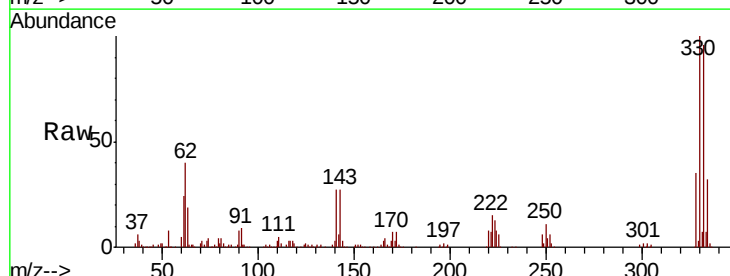
RT: 10.64 min Scan# 1455

Delta R.T. 0.01 min

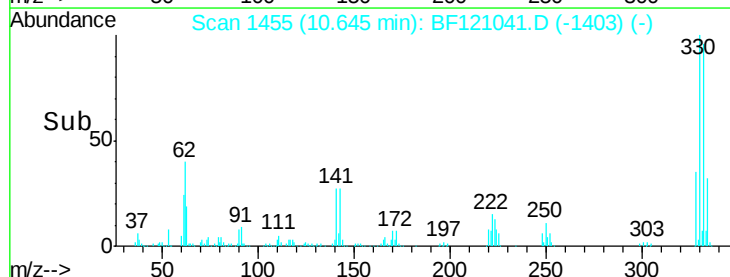
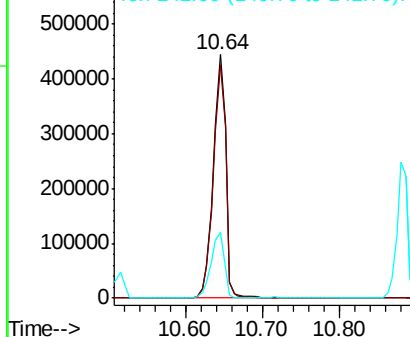
Lab File: BF121041.D

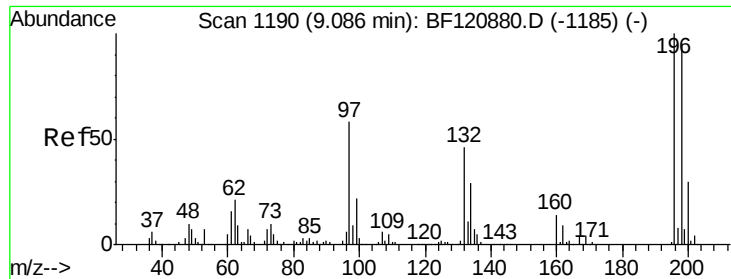
Acq: 27 Jul 2020 19:48

Tgt Ion:	330	Resp:	489427
Ion Ratio	Lower	Upper	
330	100		
332	96.2	75.5	113.3
141	28.8	25.7	38.5



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





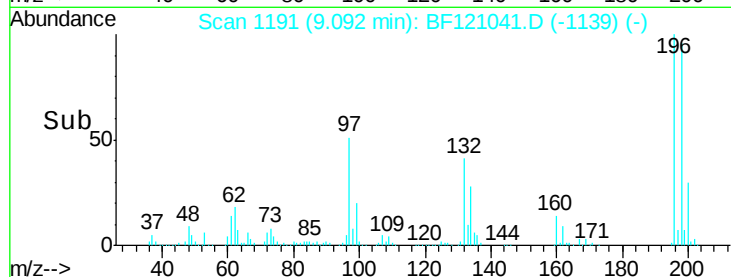
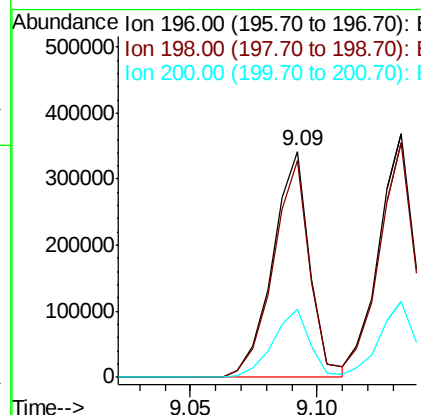
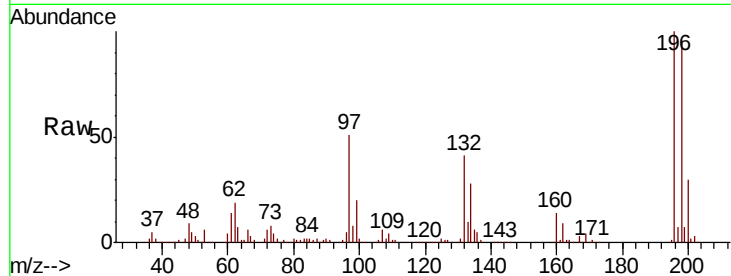
#43
 2,4,6-Trichlorophenol
 Concen: 43.239 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CTR-020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		347973		
198	95.9	75.7	113.5		
200	30.4	24.4	36.6		

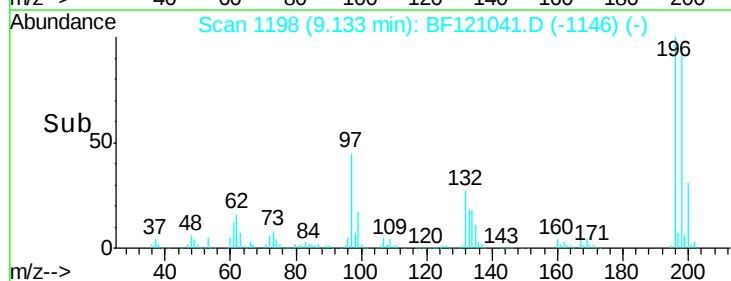
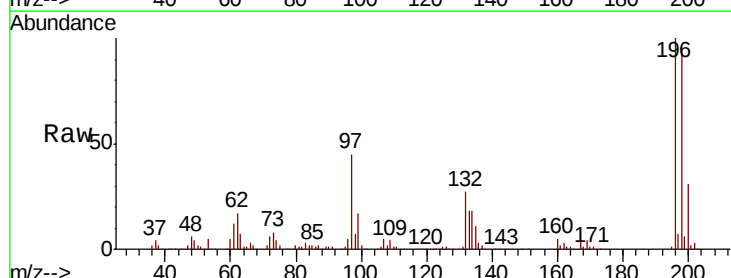
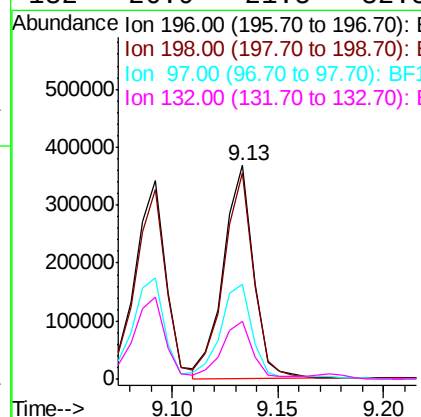
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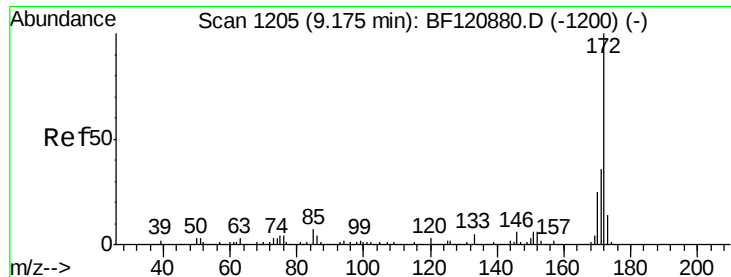
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#44
 2,4,5-Trichlorophenol
 Concen: 39.782 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
196	100		363160		
198	96.3	77.6	116.4		
97	44.6	35.6	53.4		
132	26.9	21.5	32.3		





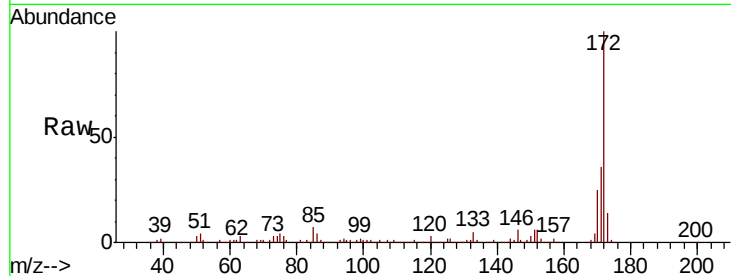
#45
2-Fluorobiphenyl
Concen: 67.683 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	24.7	19.6	29.4

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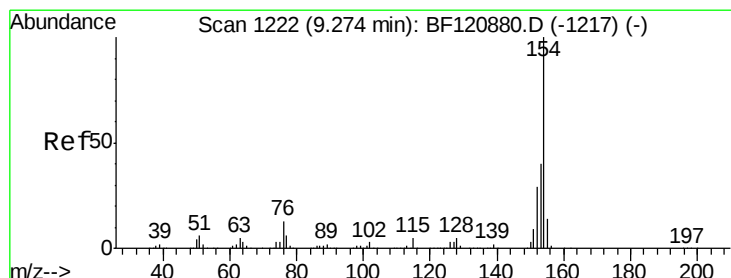
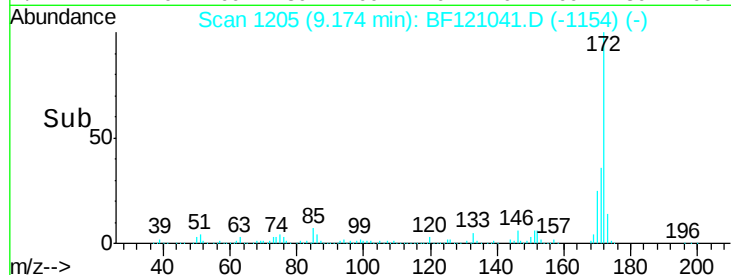
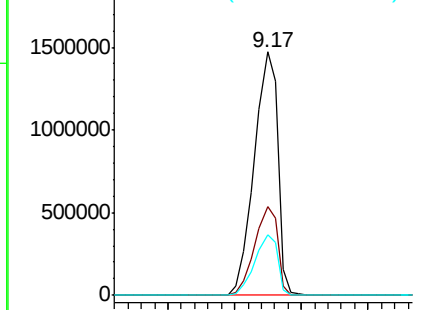


Abundance

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



#46
1,1'-Biphenyl
Concen: 42.027 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

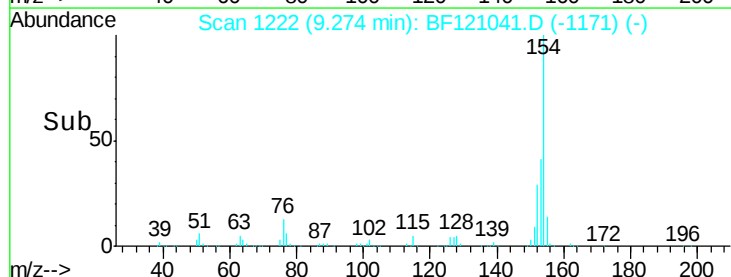
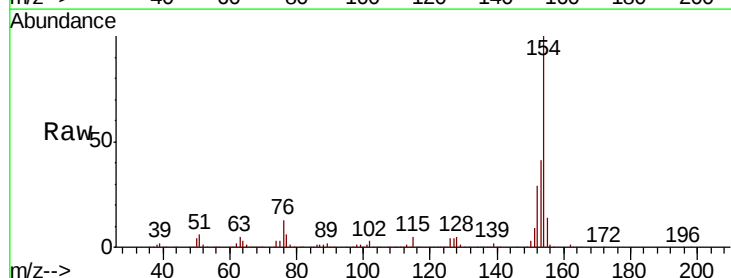
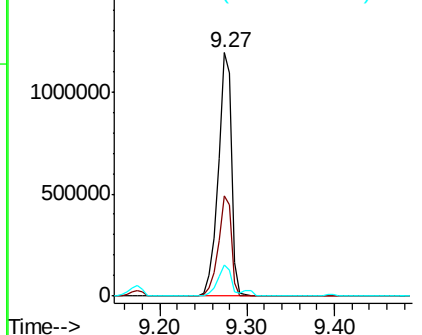
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.4	60.4
76	12.9	0.0	33.1

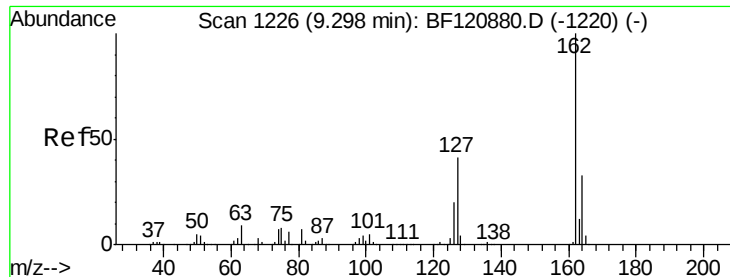
Abundance

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





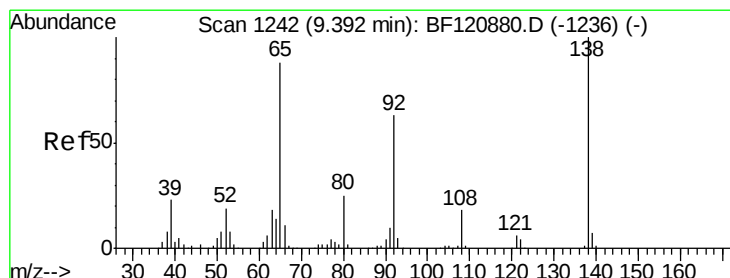
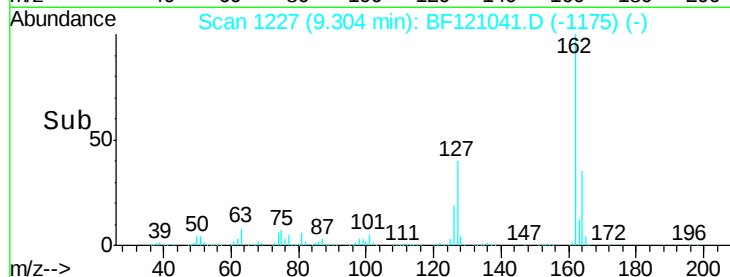
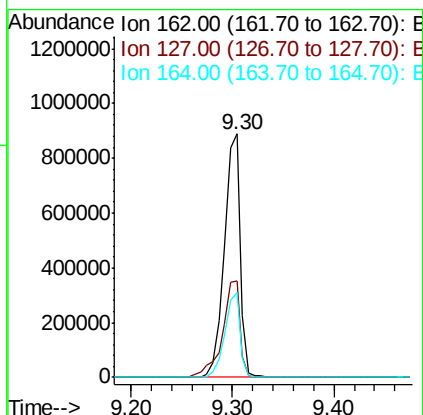
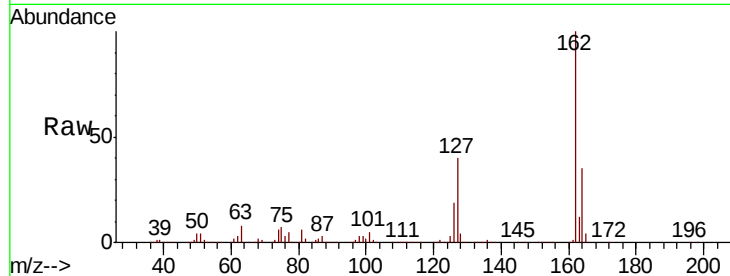
#47
 2-Chloronaphthalene
 Concen: 39.505 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CTR-020MSD

Tot Ion:	162	Resp:	963826
Ion Ratio	Lower	Upper	
162	100		
127	39.6	33.3	49.9
164	34.7	26.6	39.8

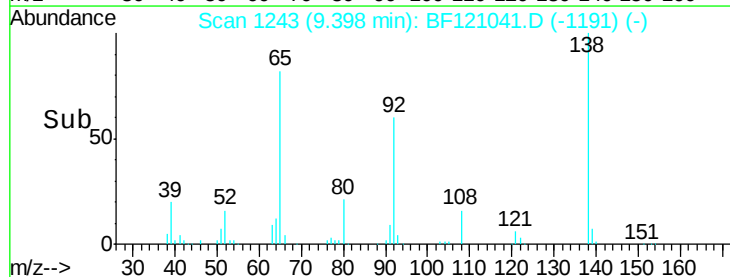
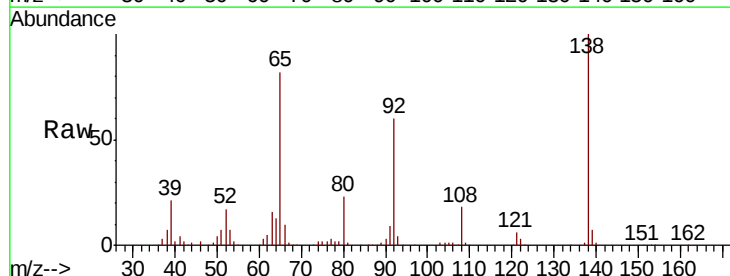
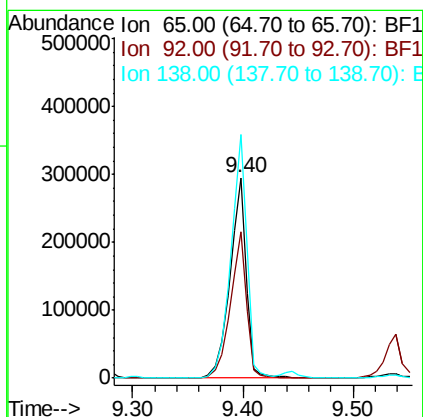
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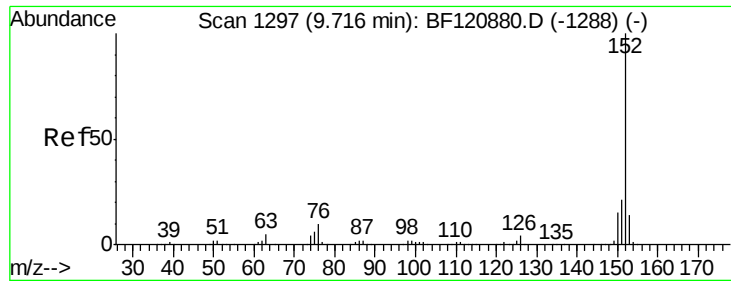
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#48
 2-Nitroaniline
 Concen: 41.919 ng
 RT: 9.40 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Tgt Ion:	65	Resp:	309070
Ion Ratio	Lower	Upper	
65	100		
92	73.1	57.0	85.4
138	121.3	90.4	135.6





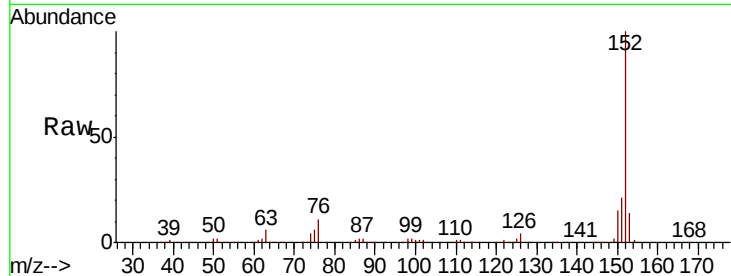
#49
Acenaphthylene
Concen: 41.723 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

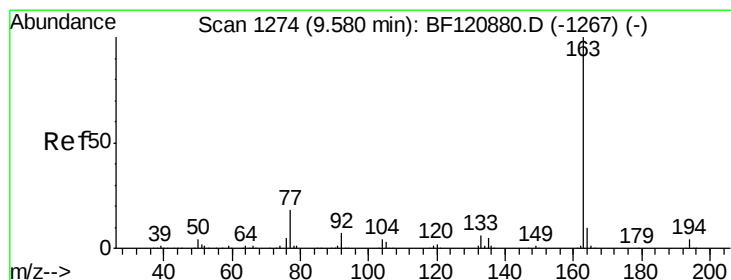
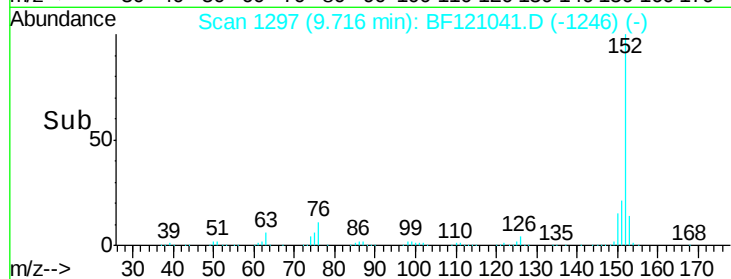
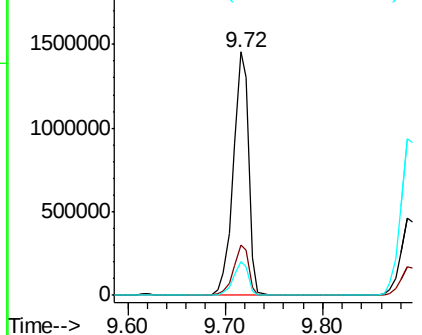
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	25.0
153	13.7	10.9	16.3

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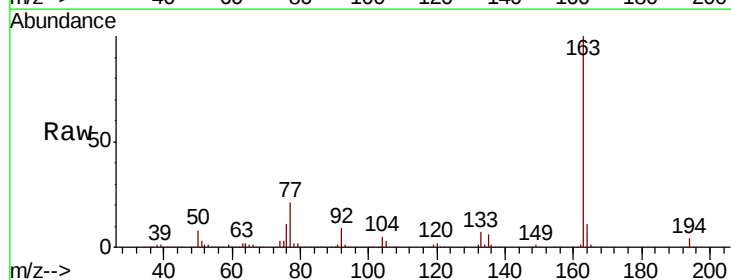


Abundance Ion 152.00 (151.70 to 152.70): E
2000000 Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

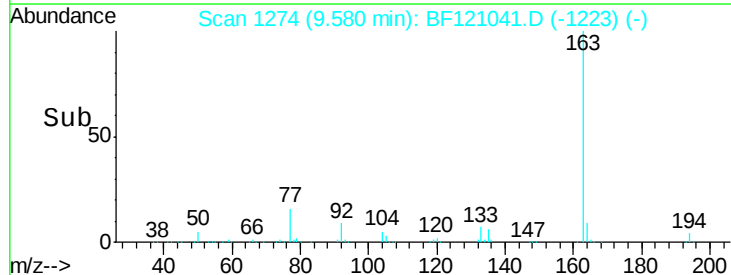
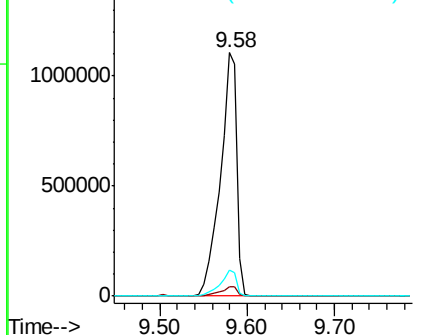


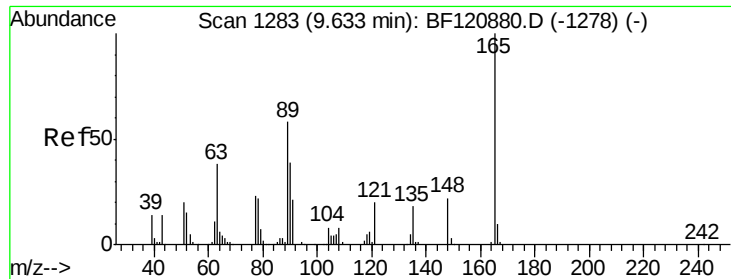
#50
Dimethylphthalate
Concen: 51.037 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.9	7.9	11.9



Abundance Ion 163.00 (162.70 to 163.70): E
1500000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





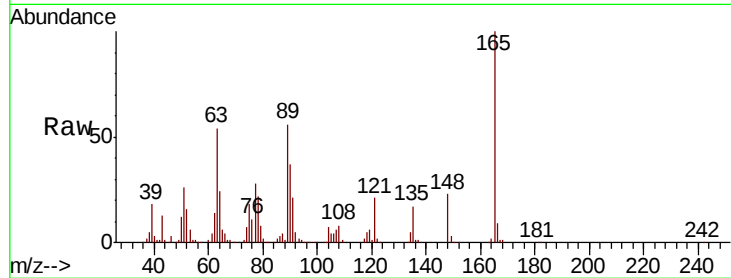
#51
2,6-Dinitrotoluene
Concen: 44.745 ng
RT: 9.64 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

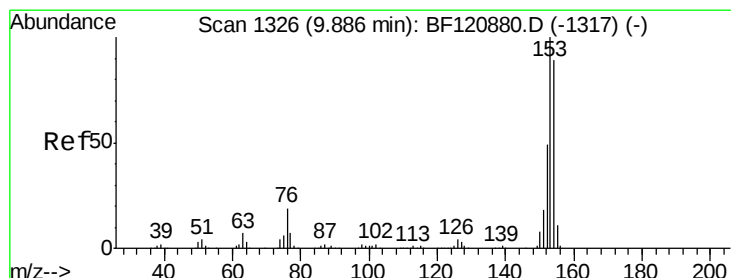
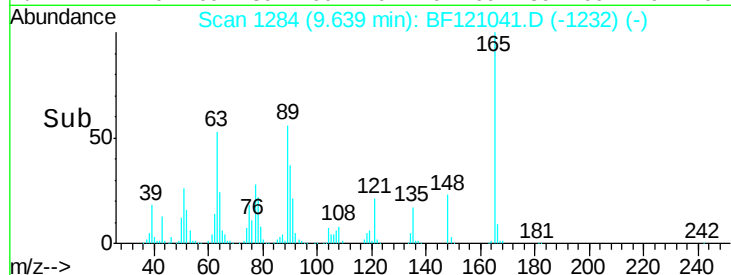
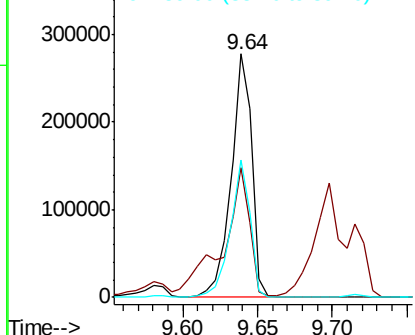
Tot Ion	Ratio	Resp	Lower	Upper
165	100	272070		
63	53.5	45.4	68.2	
89	56.3	47.0	70.4	

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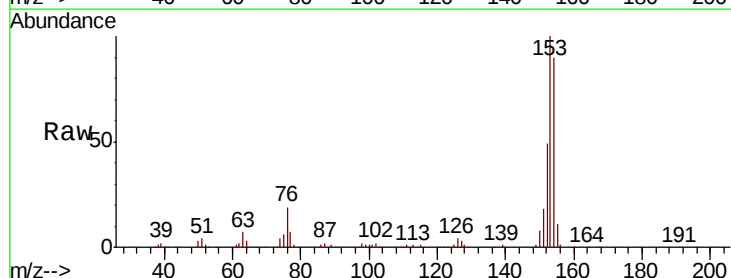


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

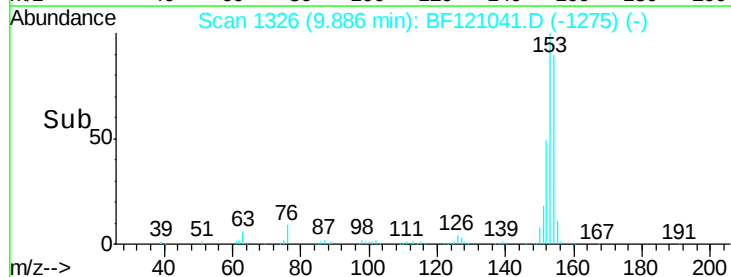
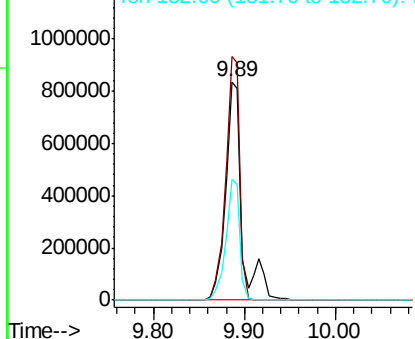


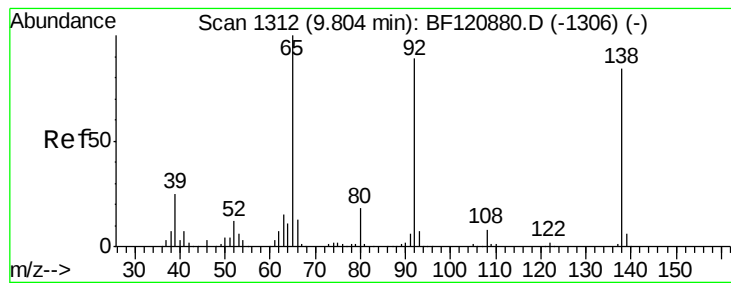
#52
Acenaphthene
Concen: 44.074 ng m
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1062070		
153	111.6	89.5	134.3	
152	55.2	44.2	66.2	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 22.591 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

ClientSampleId :

CTR-020MSD

Tot Ion:138 Resp: 172279

Ion Ratio Lower Upper

138 100

108 9.2 7.9 11.9

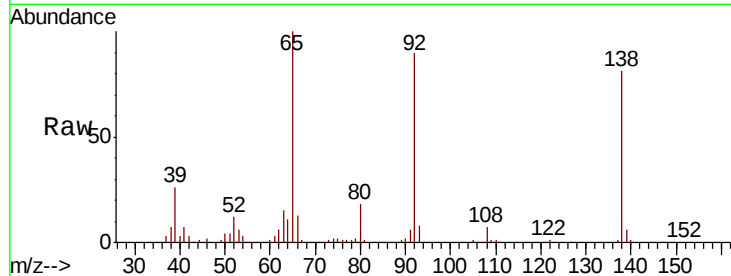
92 111.9 85.3 127.9

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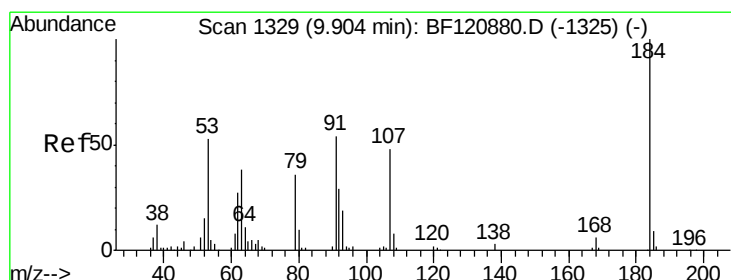
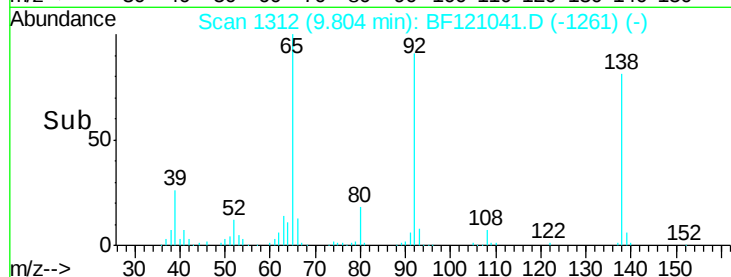
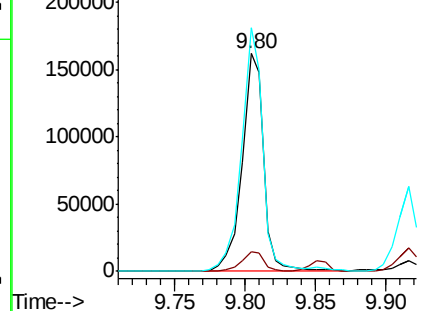
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 74.087 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

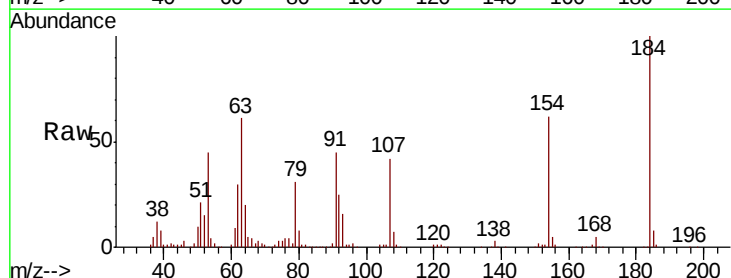
Tgt Ion:184 Resp: 257364

Ion Ratio Lower Upper

184 100

63 60.8 57.9 86.9

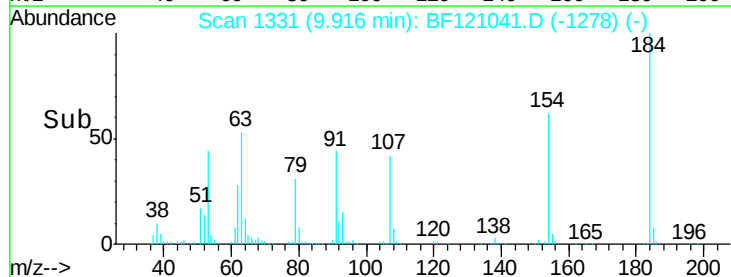
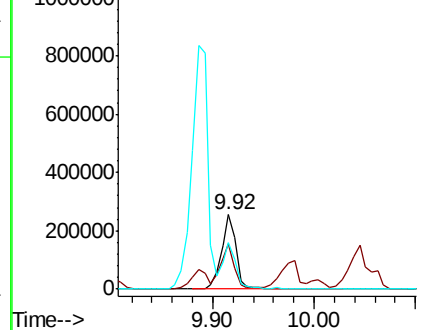
154 61.8 52.6 78.8

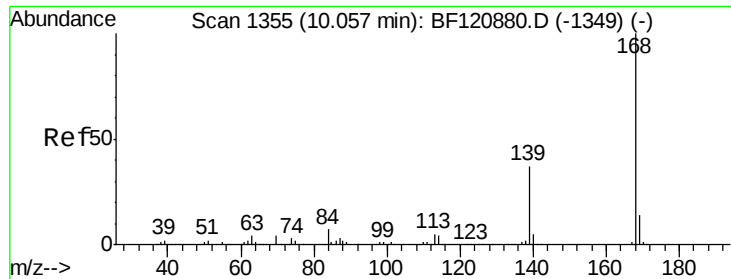


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





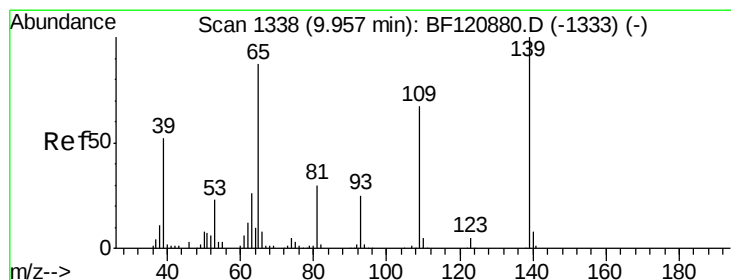
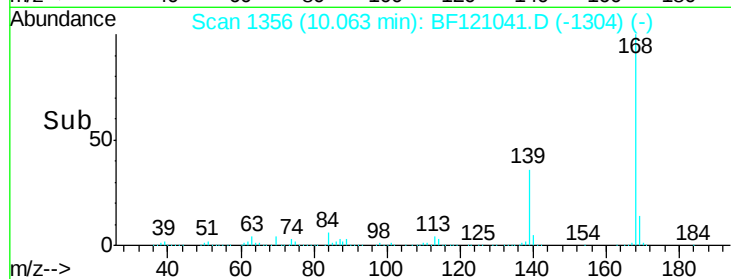
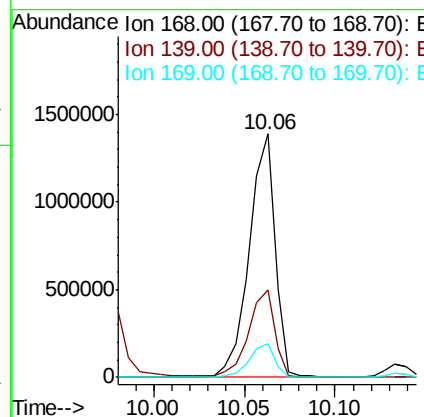
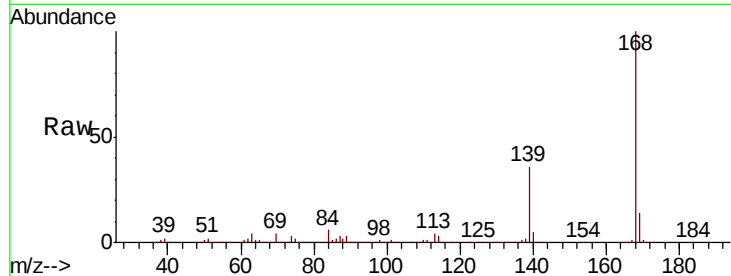
#55
Dibenzofuran
Concen: 39.529 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.01 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion:168 Resp: 1377449
Ion Ratio Lower Upper
168 100
139 36.2 29.7 44.5
169 13.7 11.1 16.7

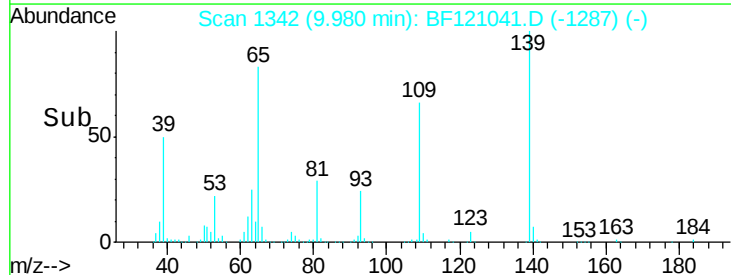
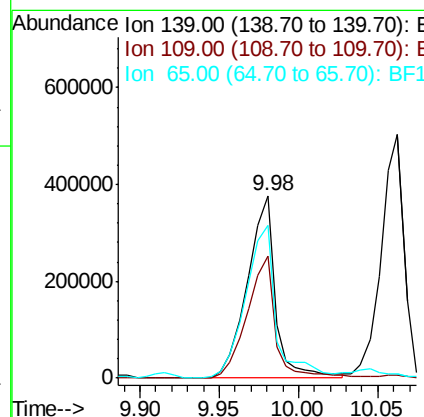
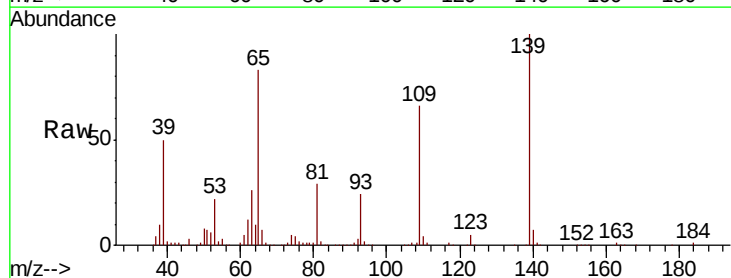
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#56
4-Nitrophenol
Concen: 79.928 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.02 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion:139 Resp: 463011
Ion Ratio Lower Upper
139 100
109 66.5 47.3 87.3
65 83.4 67.2 107.2





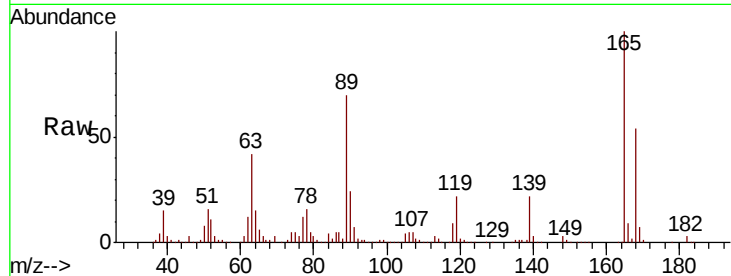
#57
2,4-Dinitrotoluene
Concen: 45.288 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	42.2	29.4	44.2	
89	70.4	53.4	80.0	
182	2.5	1.8	2.6	

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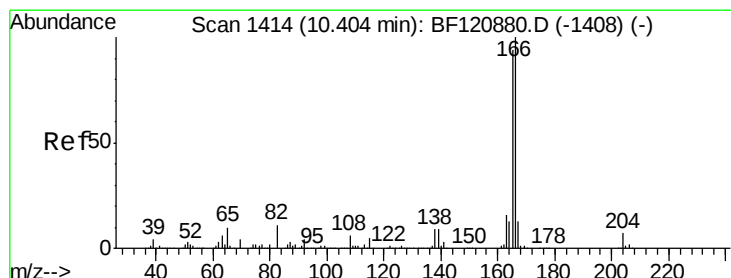
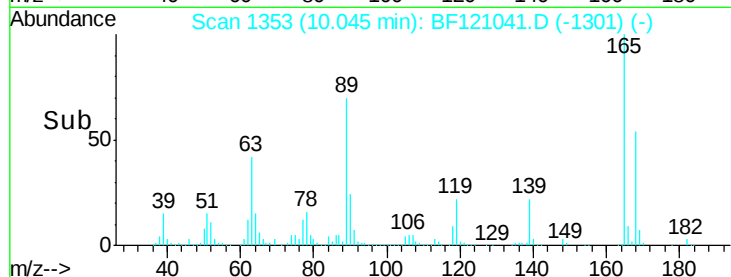
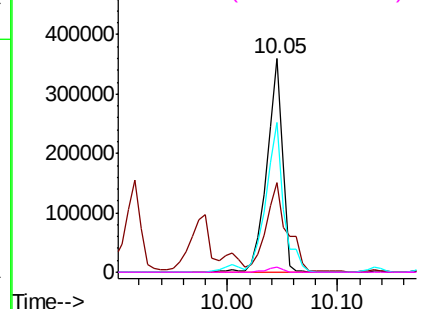


Abundance Ion 165.00 (164.70 to 165.70): E

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



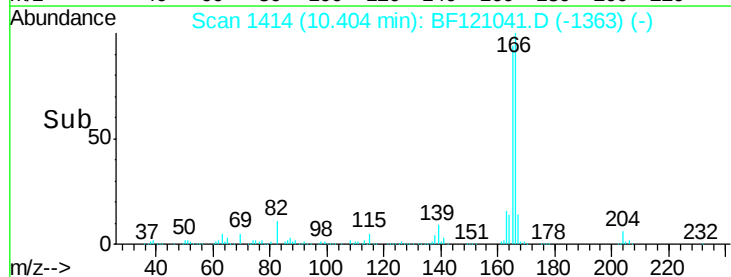
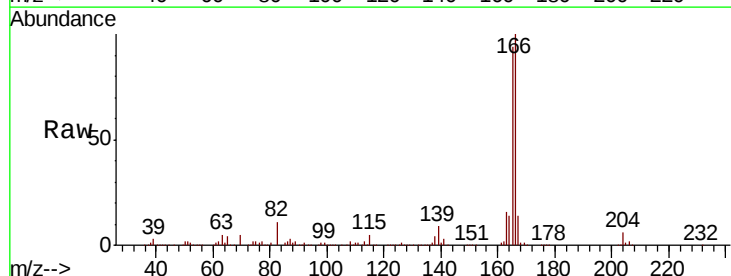
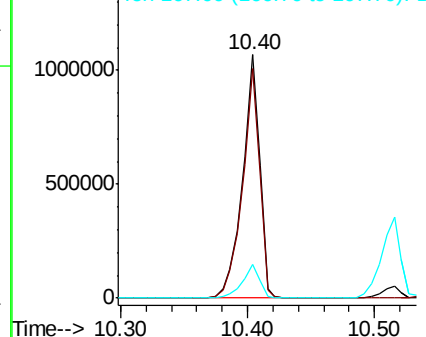
#58
Fluorene
Concen: 37.991 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	94.5	75.4	113.0	
167	13.7	10.6	15.8	

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





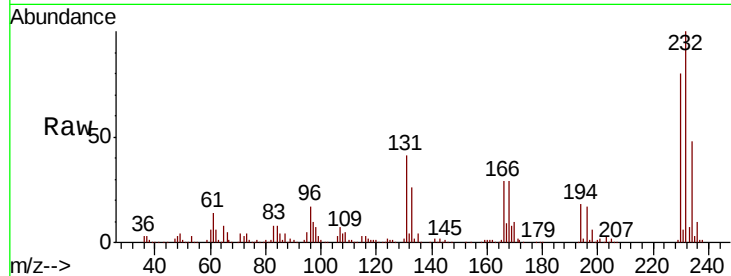
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.152 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CTR-020MSD

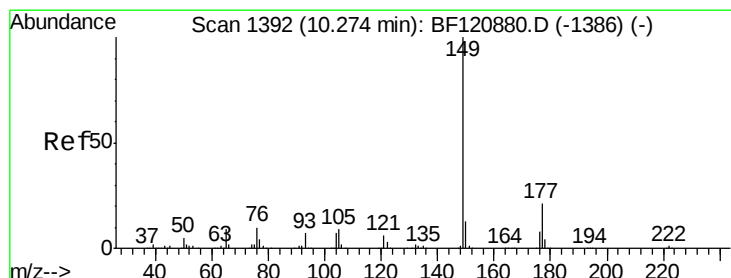
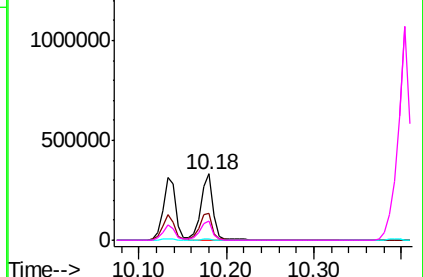
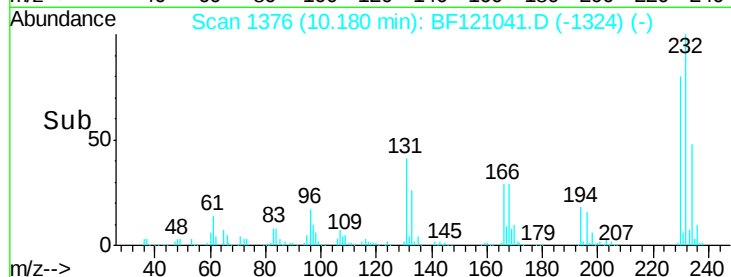
Tot Ion	Ratio	Lower	Upper
232	100		
131	43.2	37.1	55.7
130	2.2	1.7	2.5
166	29.3	24.2	36.4

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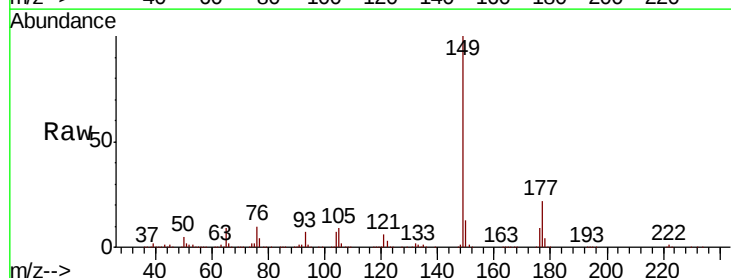


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

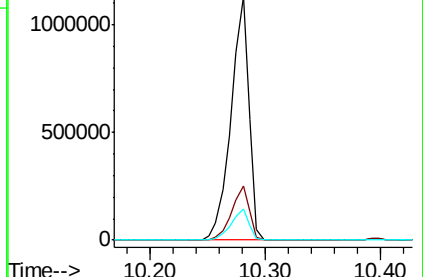
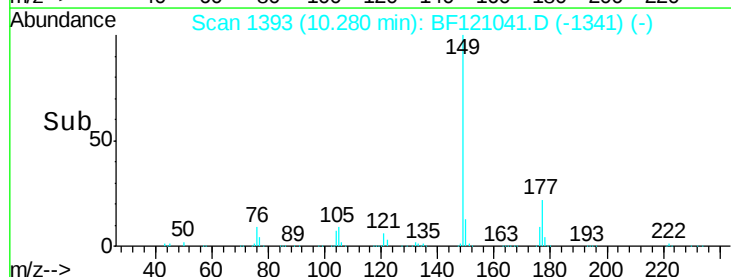


#60
 Diethylphthalate
 Concen: 42.414 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.1	25.7
150	12.7	10.3	15.5



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





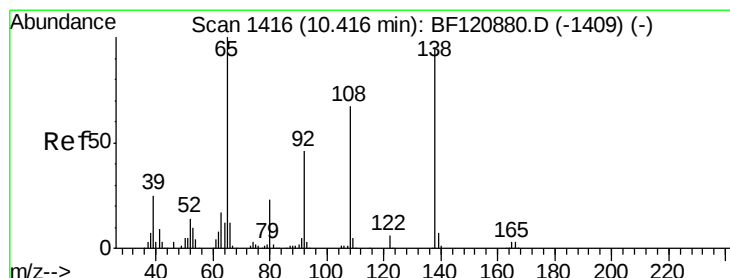
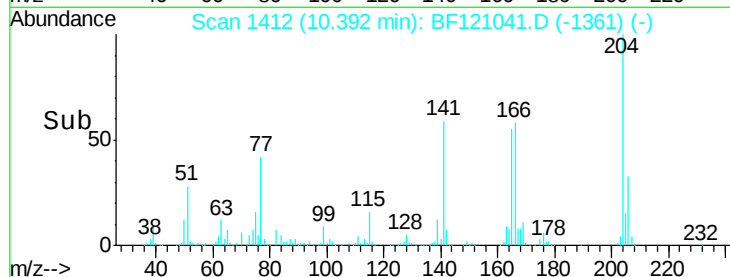
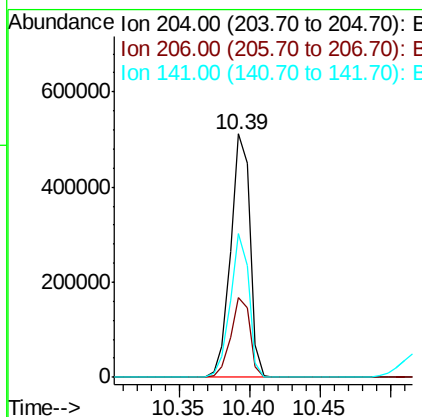
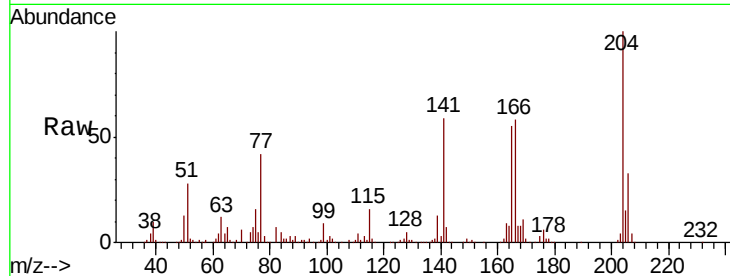
#61
 4-Chlorophenyl-phenylether
 Concen: 35.303 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CTR-020MSD

Tot Ion:	204	Resp:	489374
Ion Ratio	Lower	Upper	
204	100		
206	32.7	25.9	38.9
141	59.3	47.2	70.8

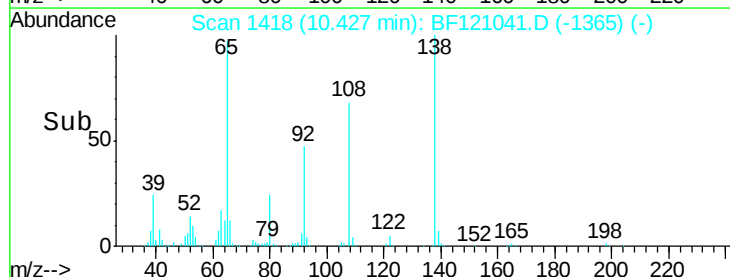
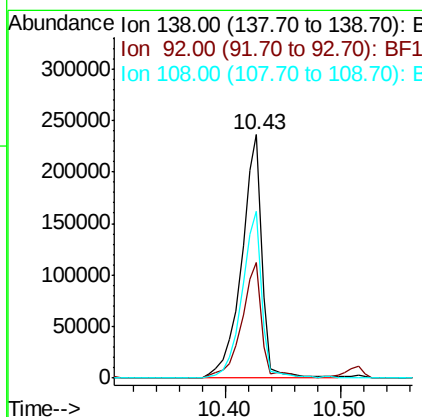
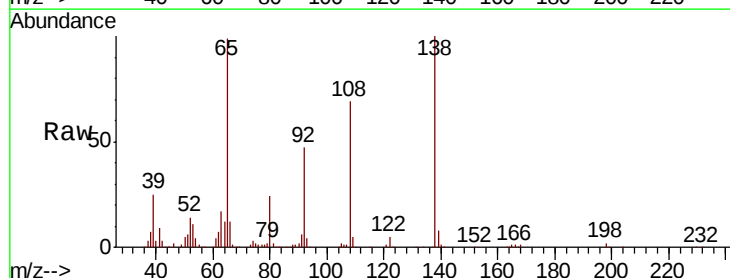
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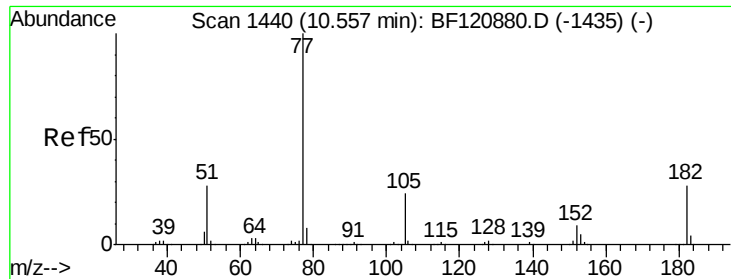
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#62
 4-Nitroaniline
 Concen: 38.664 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Tgt Ion:	138	Resp:	287214
Ion Ratio	Lower	Upper	
138	100		
92	47.2	28.6	68.6
108	68.5	51.1	91.1





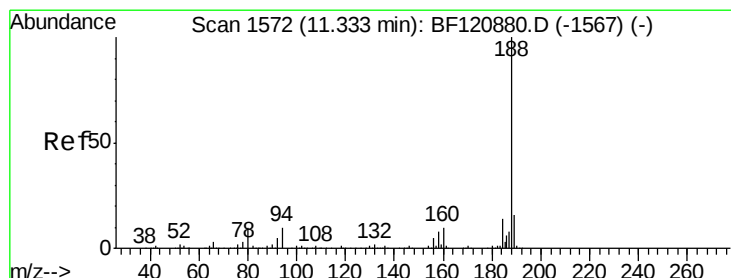
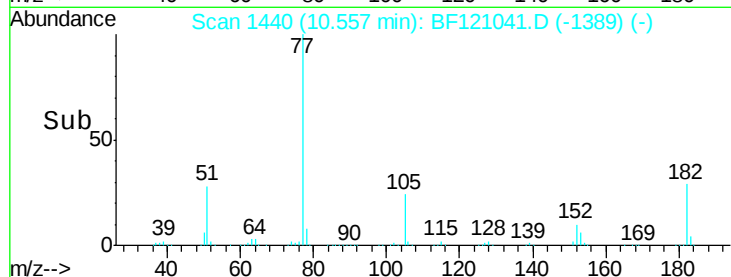
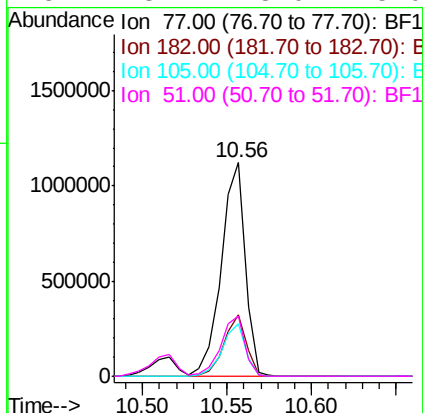
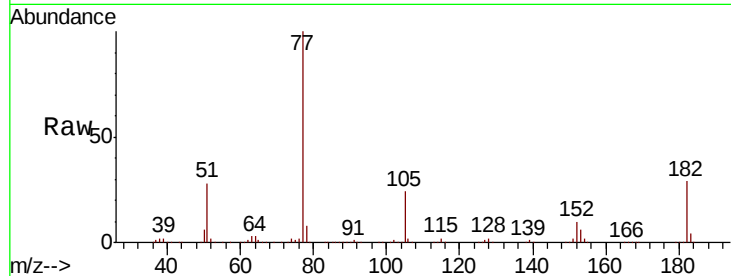
#63
Azobenzene
Concen: 40.324 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	28.6	7.8	47.8	
105	24.3	4.4	44.4	
51	28.1	8.0	48.0	

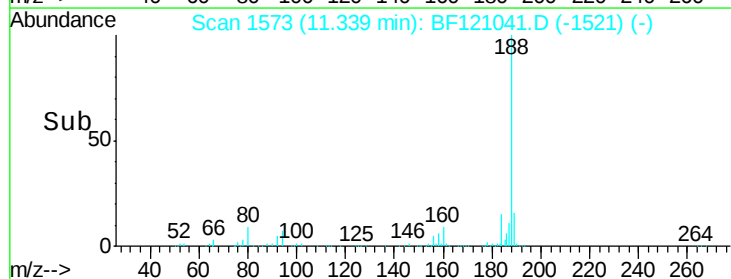
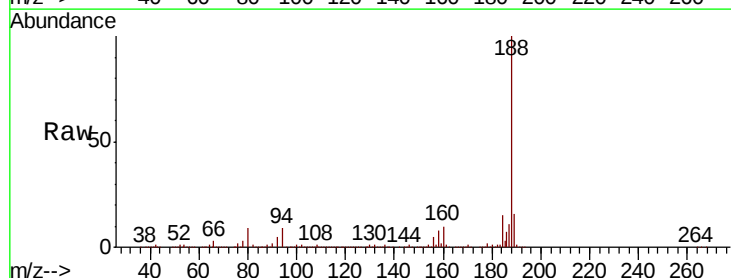
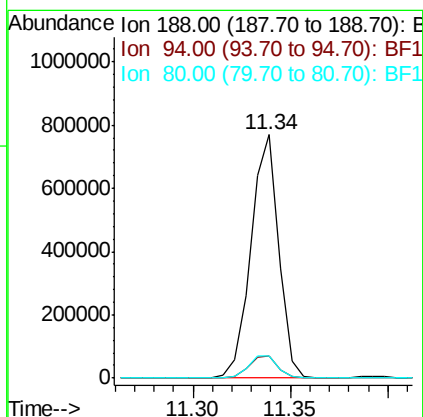
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.0	8.0	12.0	
80	8.9	8.3	12.5	





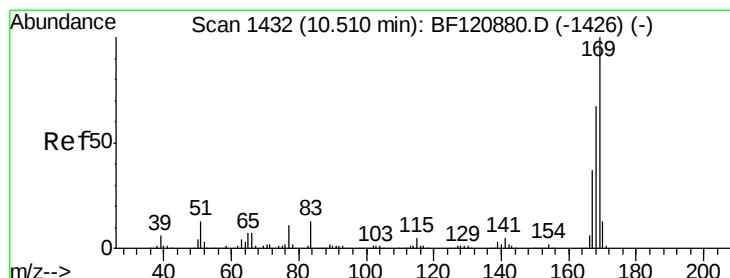
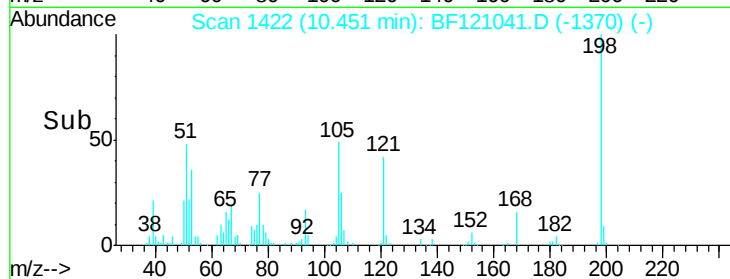
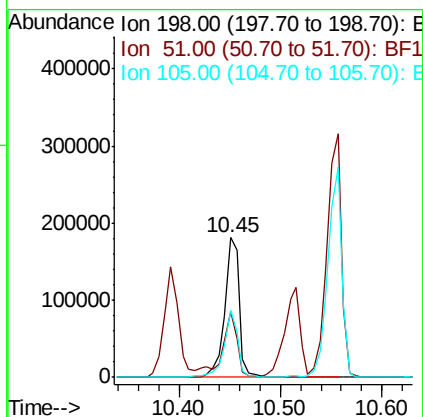
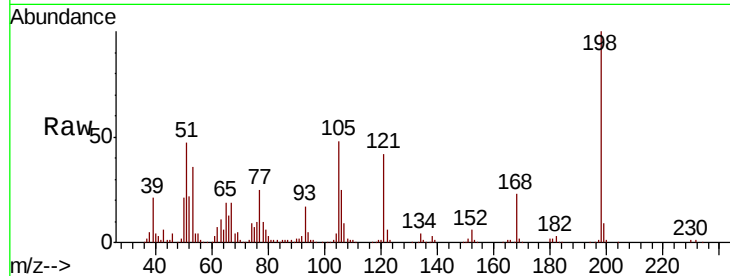
#65
 4,6-Dinitro-2-methylphenol
 Concen: 41.784 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Instrument :
 BNA_F
 ClientSampleID :
 CTR-020MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	47.3	19.5	59.5
105	47.8	24.4	64.4

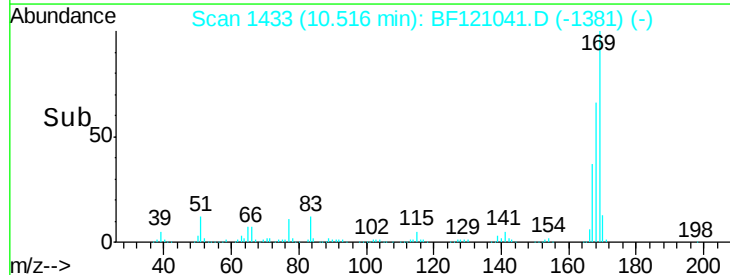
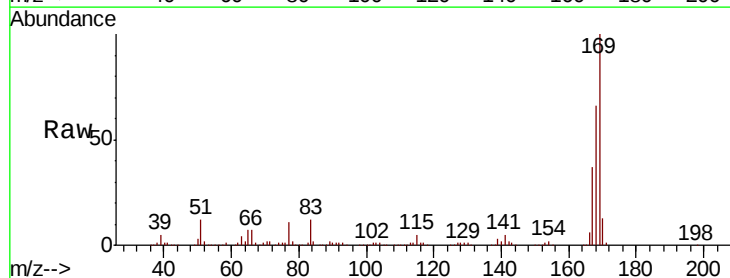
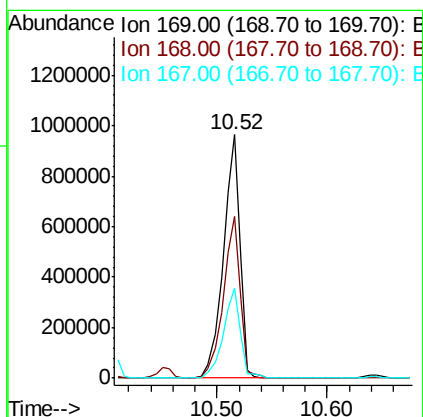
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#66
 n-Nitrosodiphenylamine
 Concen: 42.335 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.4	80.0
167	37.1	29.4	44.0





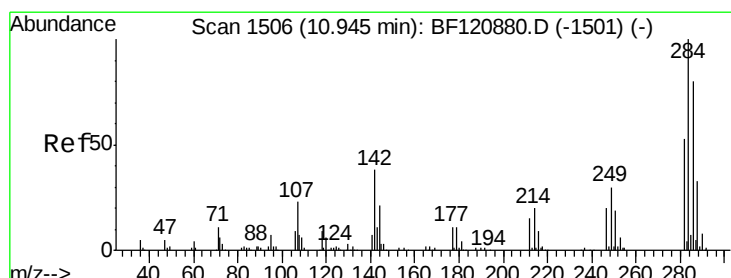
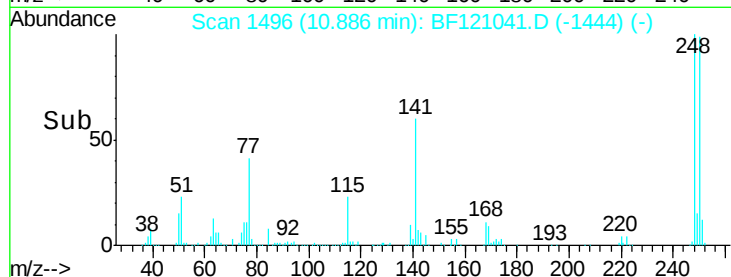
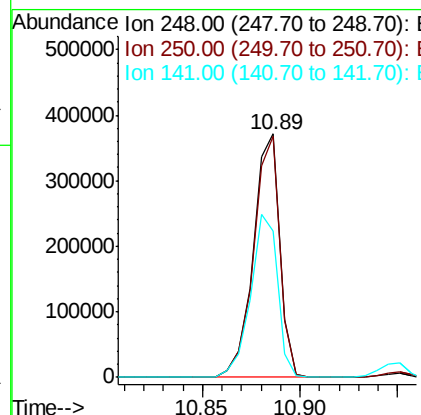
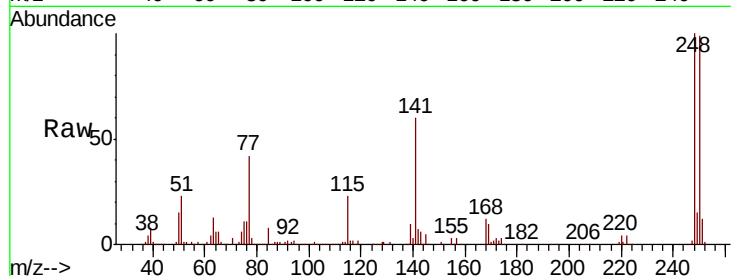
#67
 4-Bromophenyl-phenylether
 Concen: 41.393 ng
 RT: 10.89 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CTR-020MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.0	77.1	115.7
141	59.9	61.2	91.8#

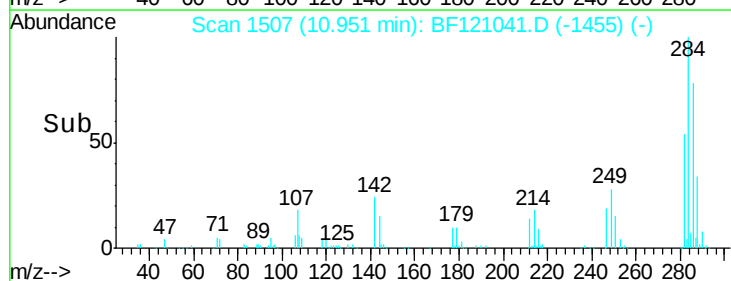
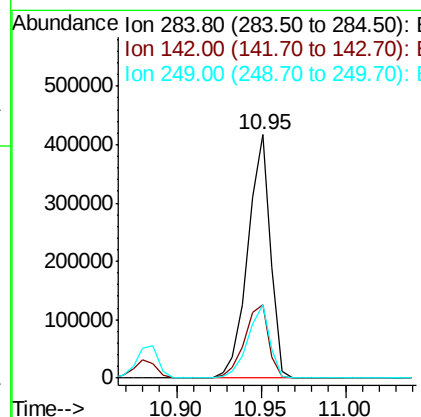
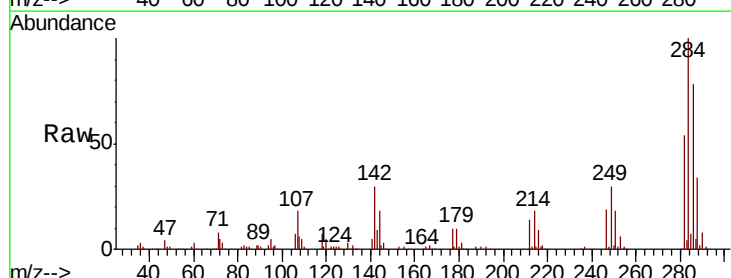
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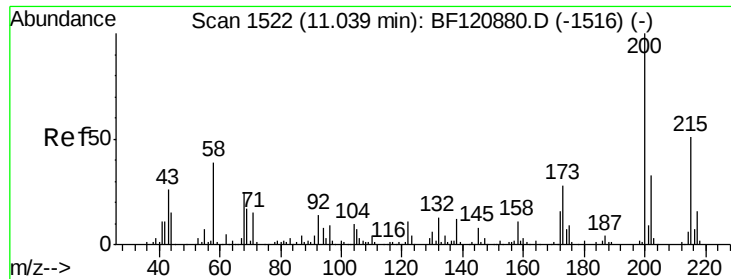
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#68
 Hexachlorobenzene
 Concen: 42.530 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.4	30.2	45.2
249	30.1	24.2	36.2





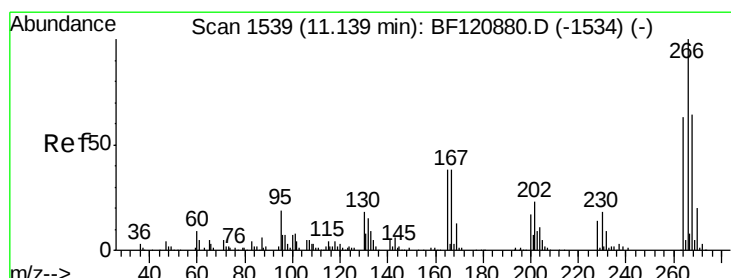
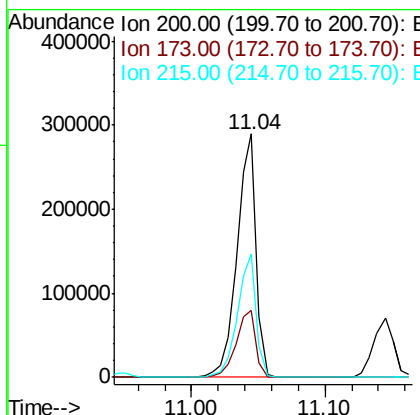
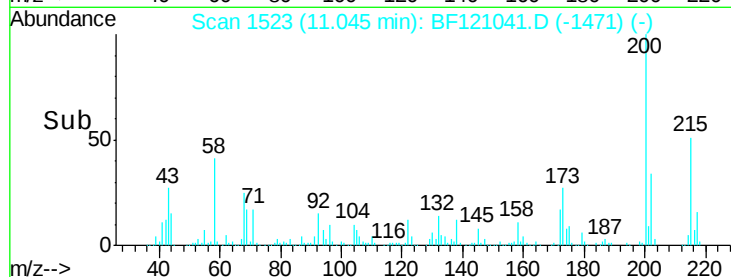
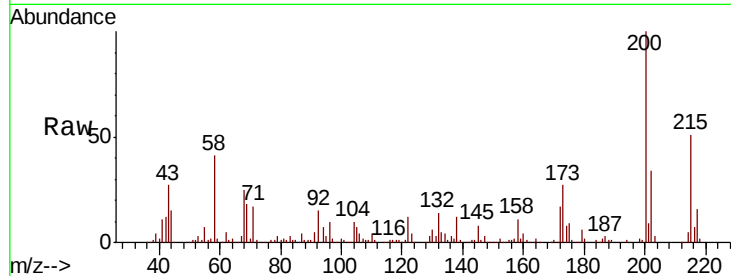
#69
Atrazine
Concen: 48.736 ng
RT: 11.04 min Scan# 1523
Delta R.T. 0.01 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.4	8.0	48.0
215	50.8	31.5	71.5

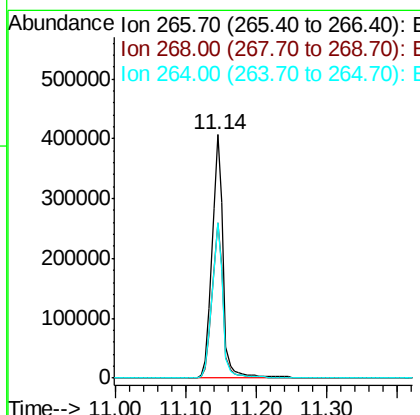
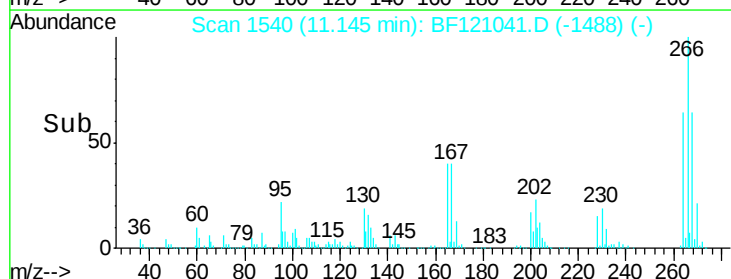
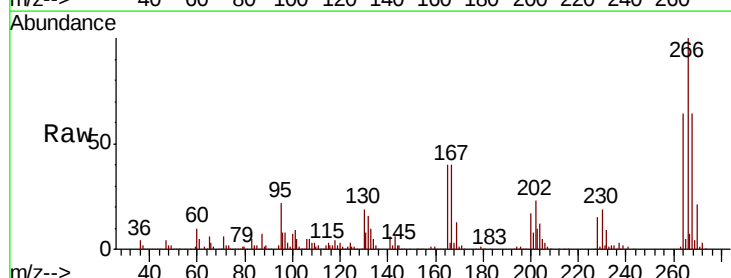
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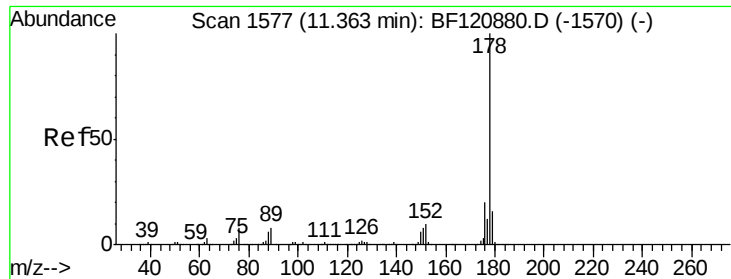
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#70
Pentachlorophenol
Concen: 86.097 ng
RT: 11.14 min Scan# 1540
Delta R.T. 0.01 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.7	51.1	76.7
264	64.0	50.2	75.2





#71

Phenanthrene

Concen: 39.992 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

ClientSampleId :

CTR-020MSD

Tot Ion:178 Resp: 1560169

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

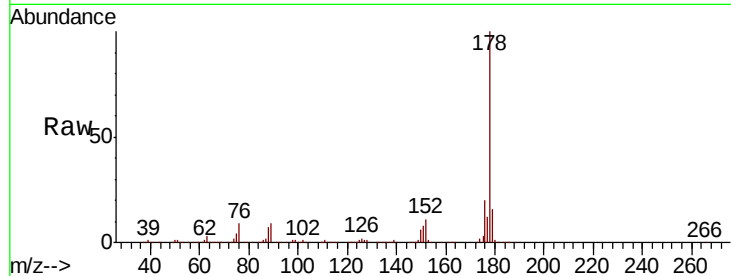
179 16.1 12.8 19.2

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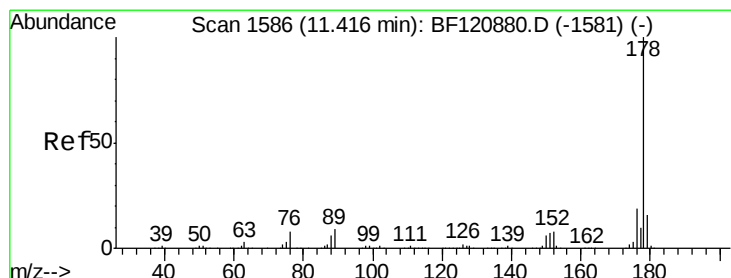
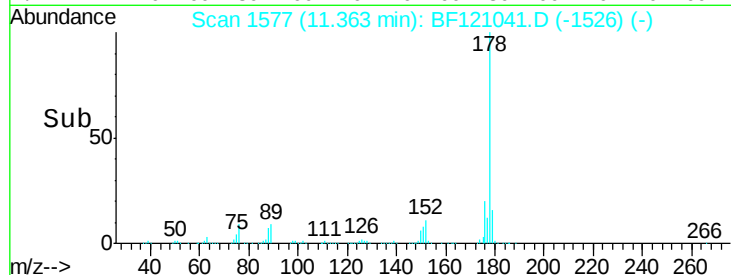
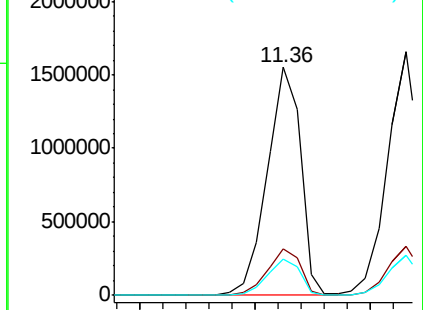
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.876 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

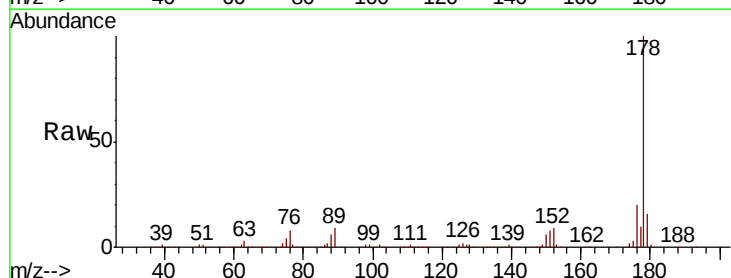
Tgt Ion:178 Resp: 1601264

Ion Ratio Lower Upper

178 100

176 20.0 15.5 23.3

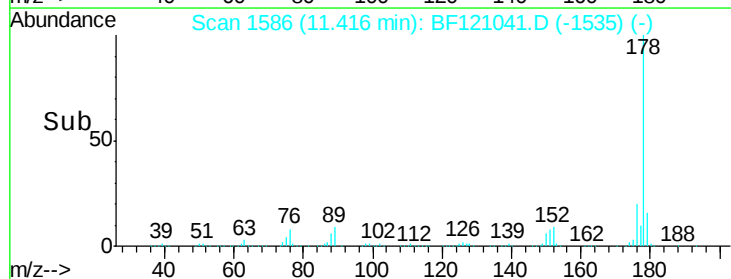
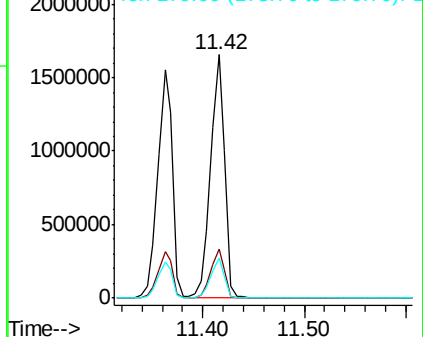
179 16.3 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





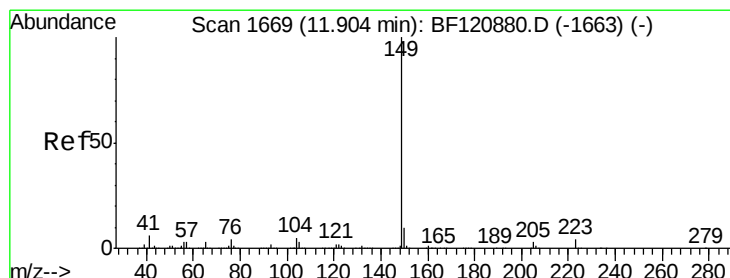
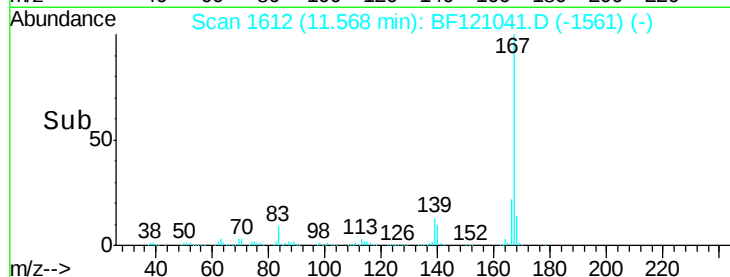
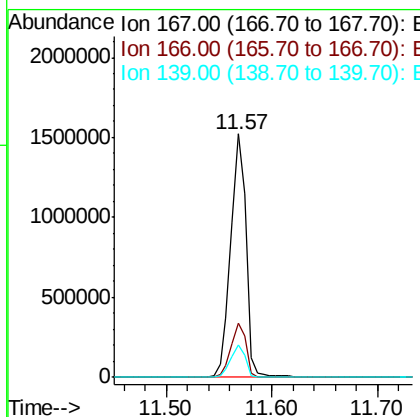
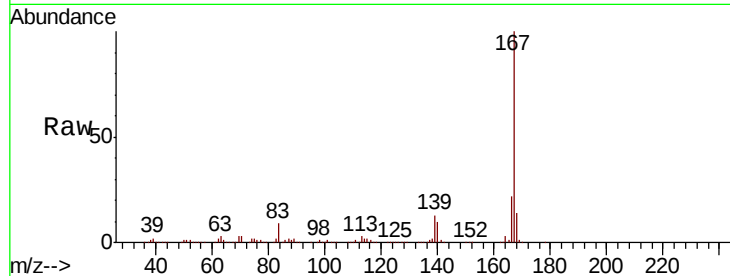
#73
 Carbazole
 Concen: 39.415 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CTR-020MSD

Tot Ion:167 Resp: 1532332
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 13.2 10.1 15.1

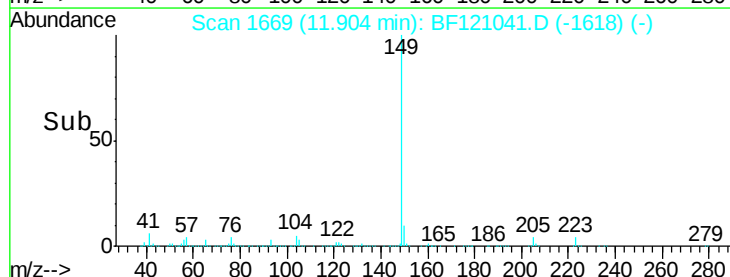
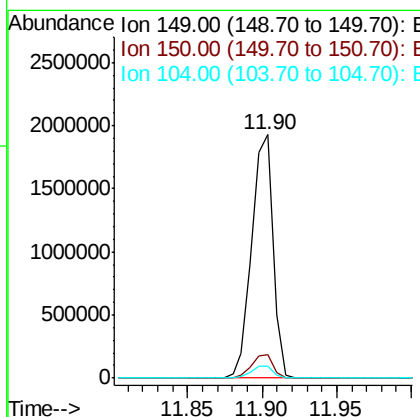
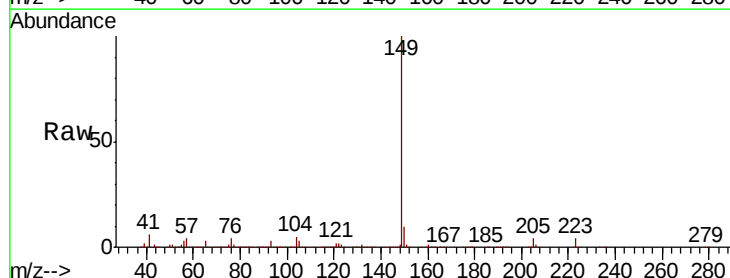
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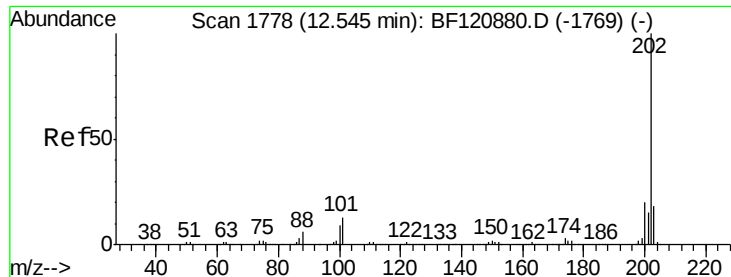
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#74
 Di-n-butylphthalate
 Concen: 42.350 ng
 RT: 11.90 min Scan# 1669
 Delta R.T. -0.00 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Tgt Ion:149 Resp: 1899960
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.8 11.6
 104 4.8 3.8 5.6





#75

Fluoranthene

Concen: 39.845 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

ClientSampleId :

CTR-020MSD

Tot Ion:202 Resp: 1723006

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.7

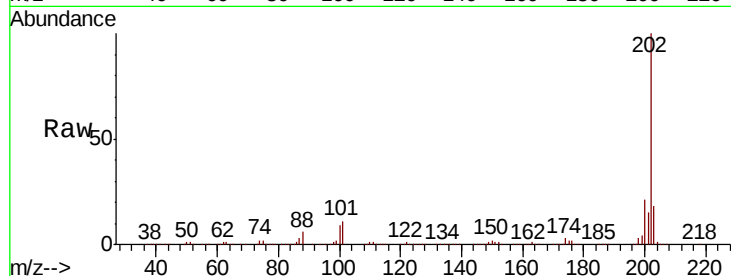
203 18.4 0.0 38.0

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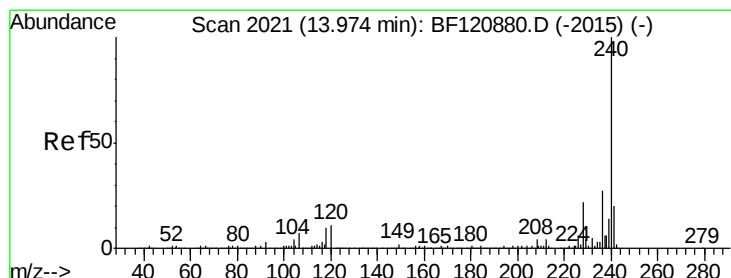
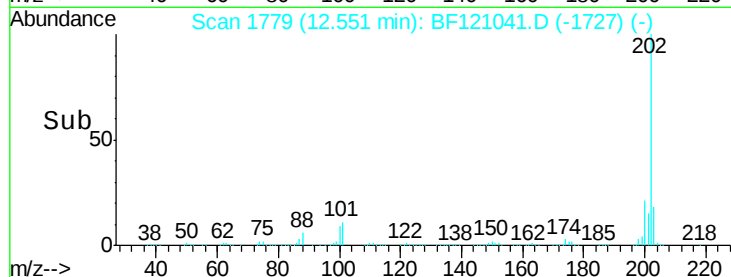
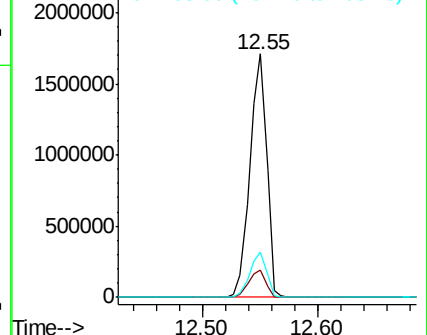
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

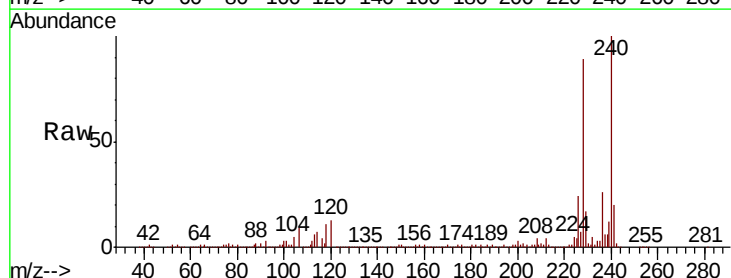
Tgt Ion:240 Resp: 530236

Ion Ratio Lower Upper

240 100

120 12.8 9.0 13.4

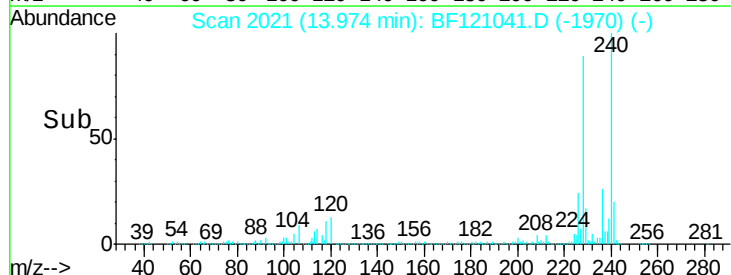
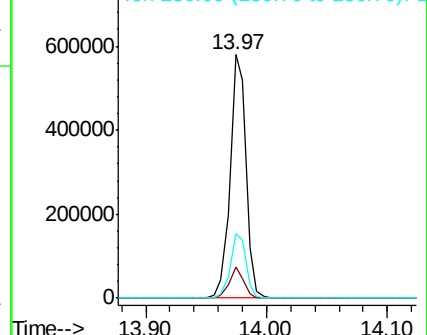
236 26.5 21.7 32.5

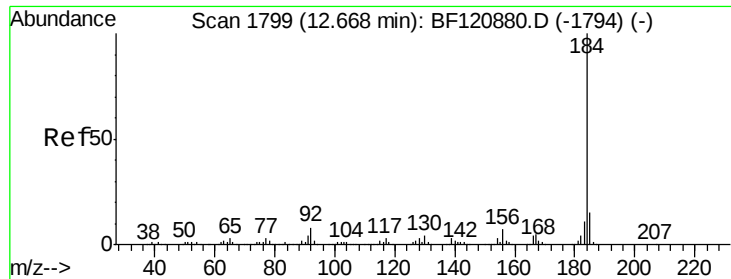


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 64.908 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

ClientSampleId :

CTR-020MSD

Tot Ion:184 Resp: 904873

Ion Ratio Lower Upper

184 100

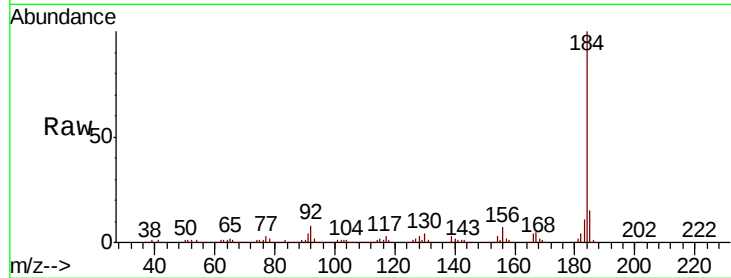
185 14.7 12.2 18.2

183 11.3 8.5 12.7

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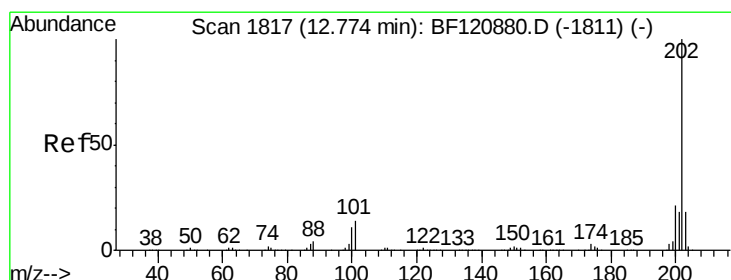
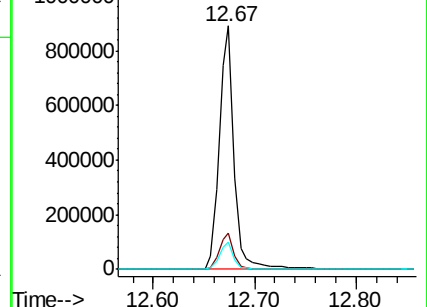
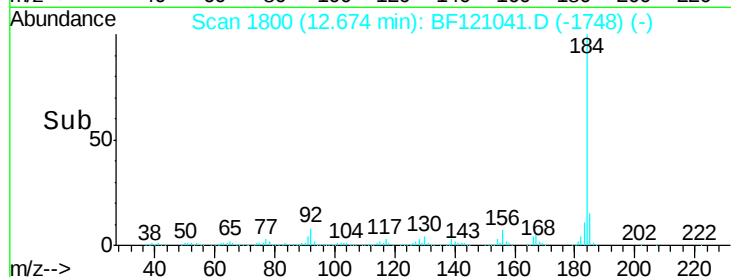
7/28/2020 11:43:37 AM



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



#78

Pyrene

Concen: 46.511 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

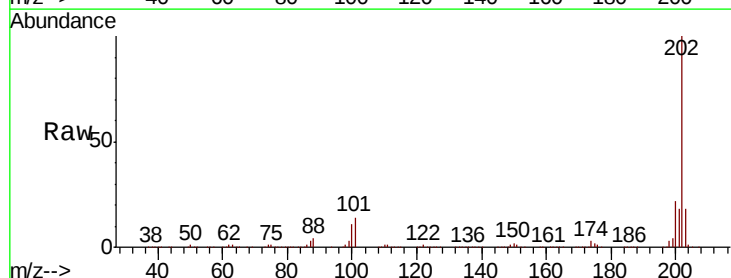
Tgt Ion:202 Resp: 1743584

Ion Ratio Lower Upper

202 100

200 21.9 17.0 25.4

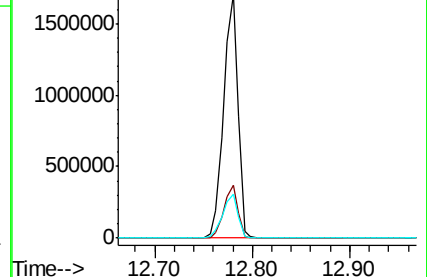
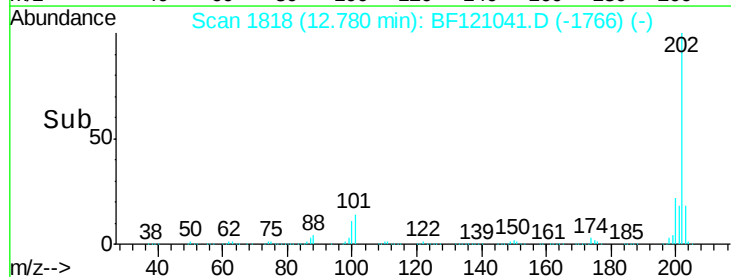
203 18.3 14.4 21.6



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: 73.932 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

ClientSampleId :

CTR-020MSD

Tot Ion:244 Resp: 1803380

Ion Ratio Lower Upper

244 100

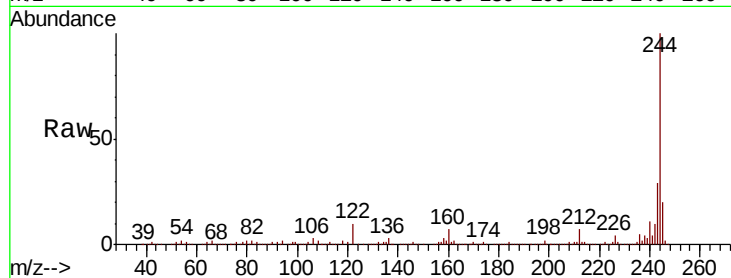
212 7.2 5.6 8.4

122 9.8 8.9 13.3

Manual Integrations
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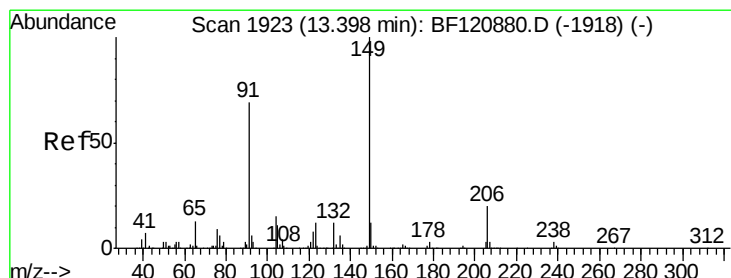
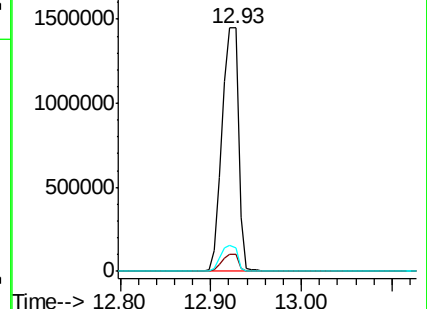
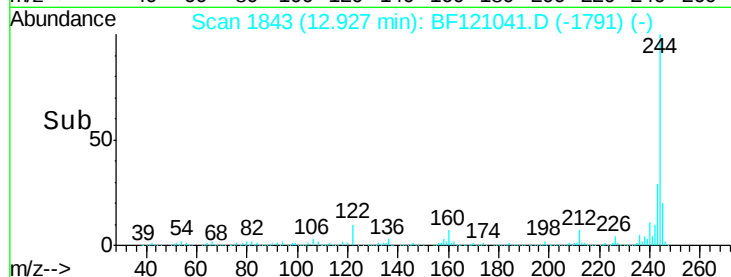
7/28/2020 11:43:37 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 48.869 ng

RT: 13.40 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

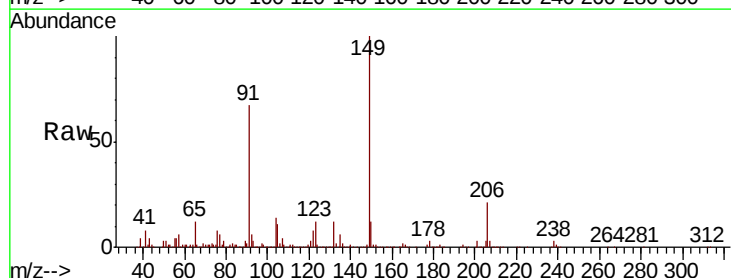
Tgt Ion:149 Resp: 816675

Ion Ratio Lower Upper

149 100

91 67.4 55.1 82.7

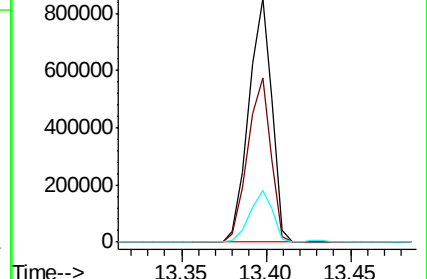
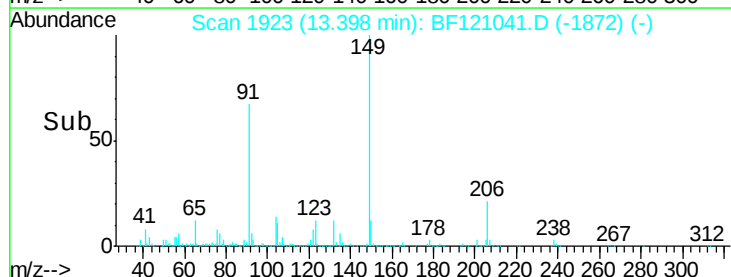
206 21.4 16.1 24.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 40.940 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

ClientSampleId :

CTR-020MSD

Tot Ion:228 Resp: 1314532

Ion Ratio Lower Upper

228 100

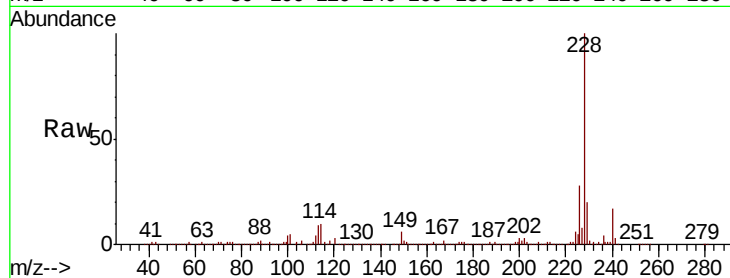
226 28.0 22.3 33.5

229 19.9 16.1 24.1

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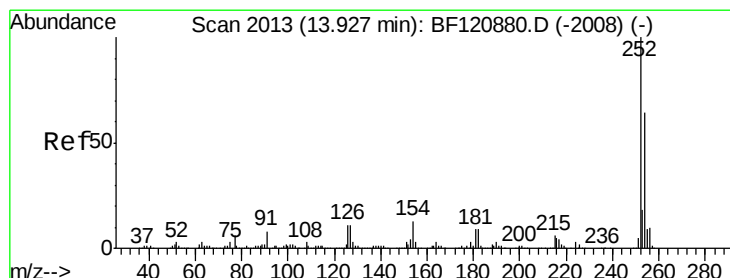
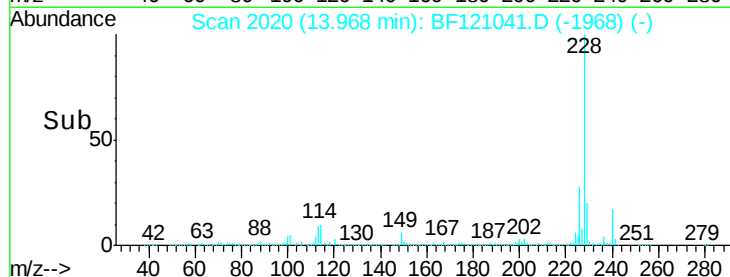
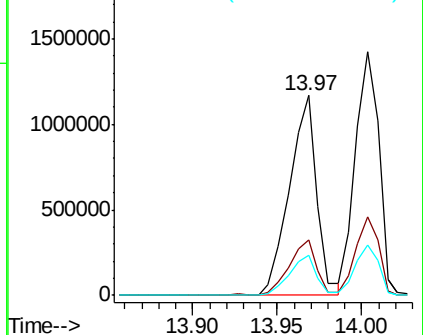
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 36.811 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

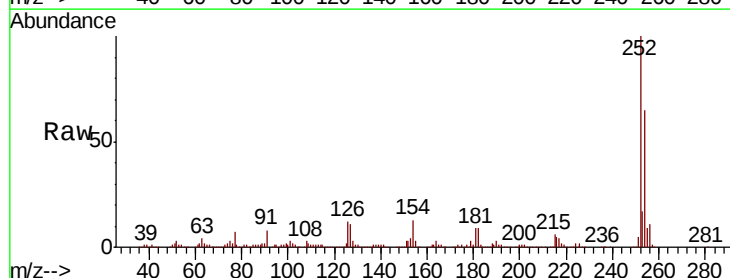
Tgt Ion:252 Resp: 445911

Ion Ratio Lower Upper

252 100

254 65.1 51.2 76.8

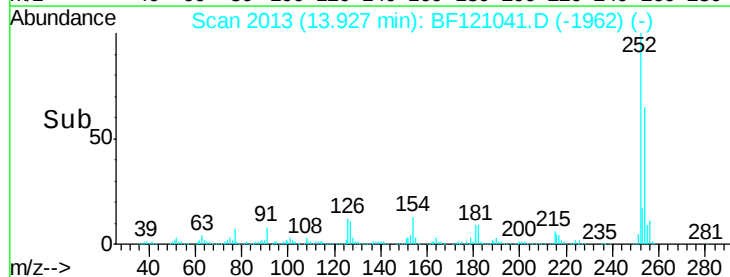
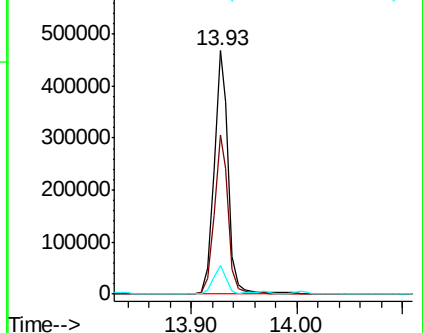
126 11.6 8.7 13.1



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





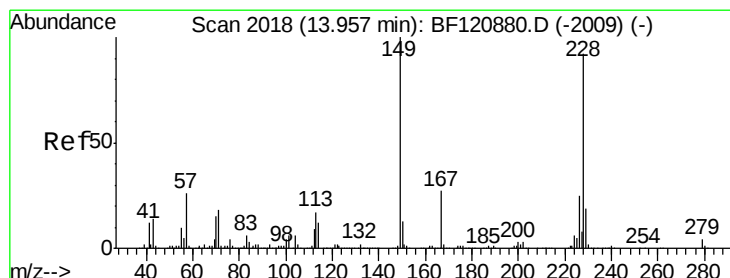
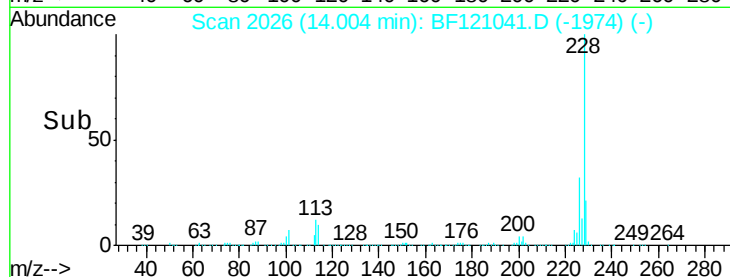
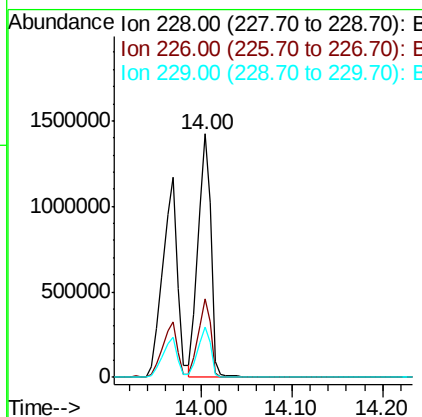
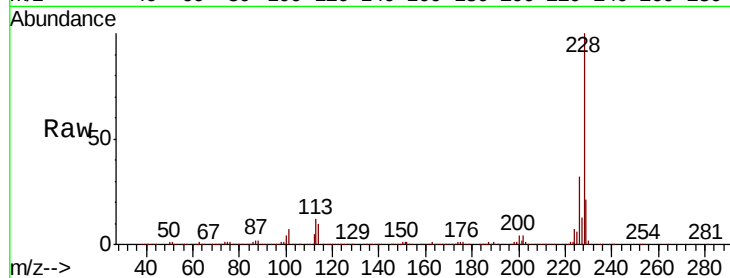
#83
 Chrysene
 Concen: 41.485 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CTR-020MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.6	38.4
229	20.7	16.8	25.2

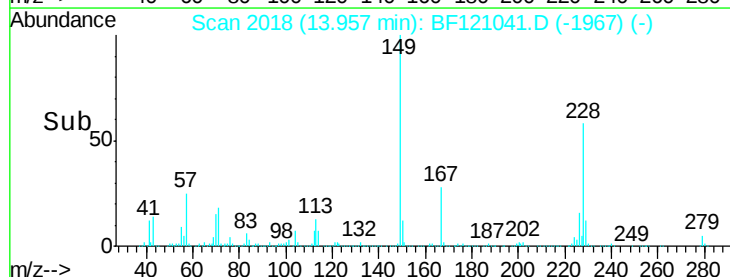
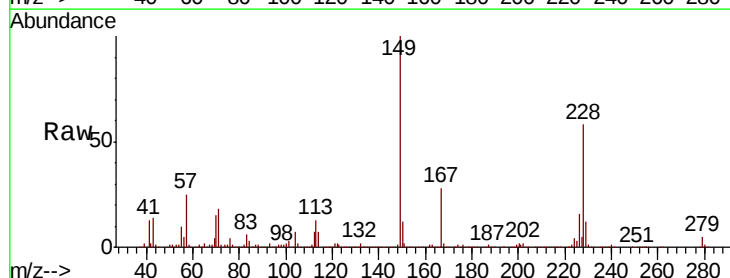
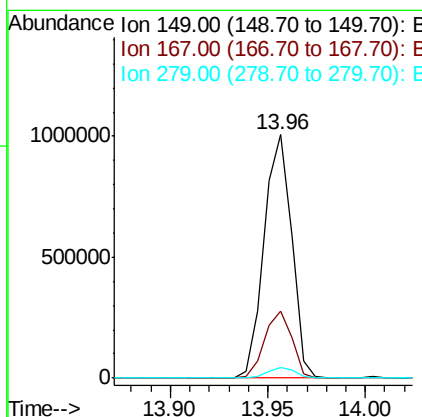
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.929 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.9	32.9
279	4.5	3.0	4.4





#85

Di-n-octyl phthalate

Concen: 46.264 ng

RT: 14.57 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Instrument :

BNA_F

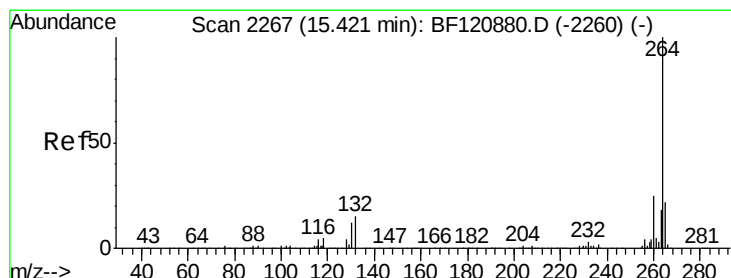
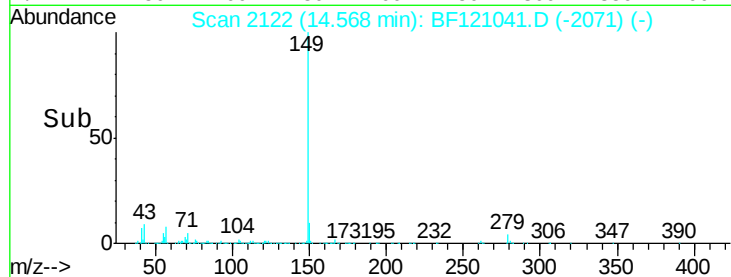
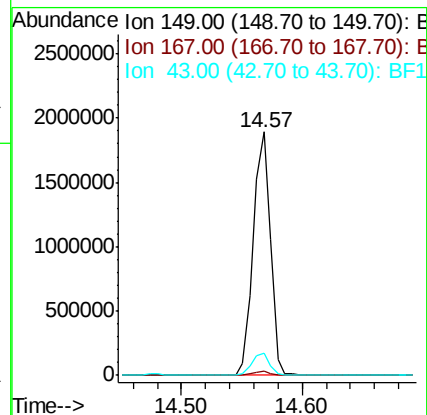
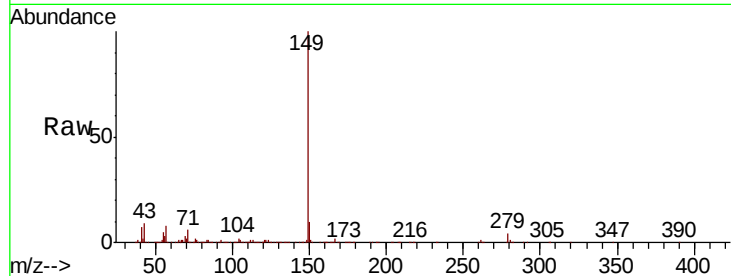
ClientSampleId :

CTR-020MSD

Tot Ion:	149	Resp:	1896766
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	8.9	7.6	11.4

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#86

Perylene-d12

Concen: 20.000 ng

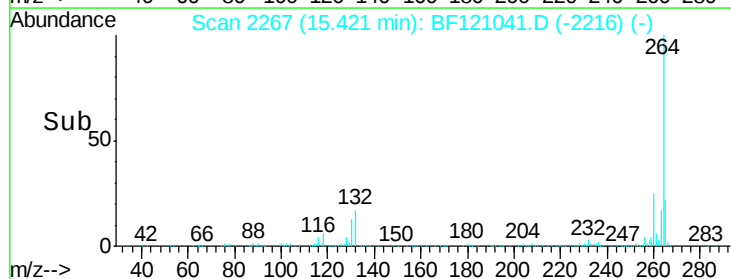
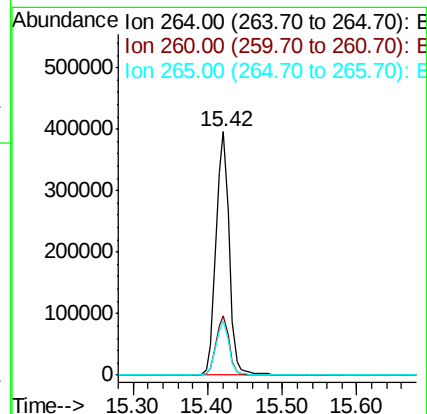
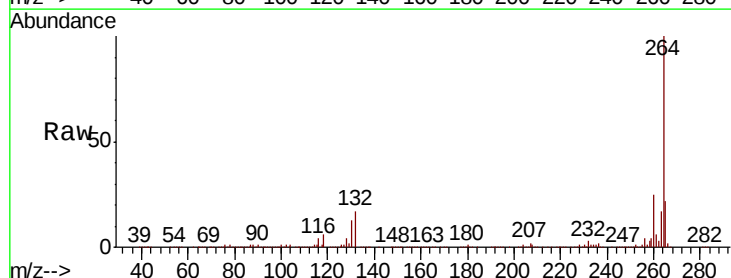
RT: 15.42 min Scan# 2267

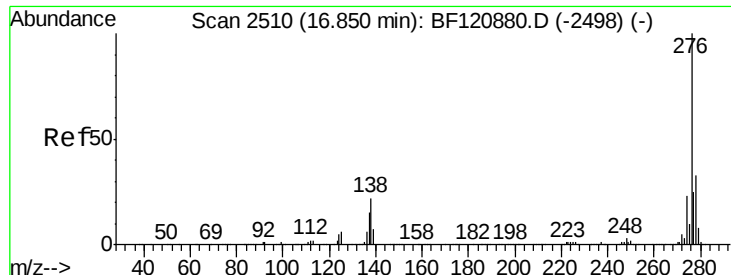
Delta R.T. -0.00 min

Lab File: BF121041.D

Acq: 27 Jul 2020 19:48

Tgt Ion:	264	Resp:	483559
Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.0	30.0
265	22.5	17.4	26.2





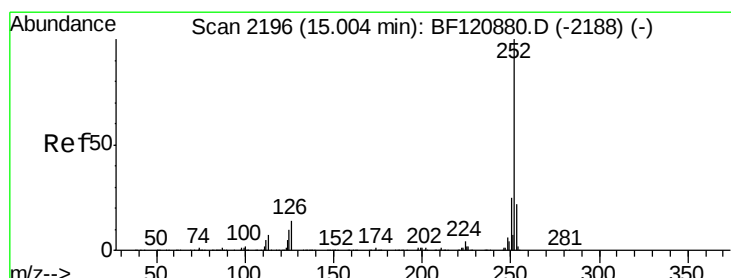
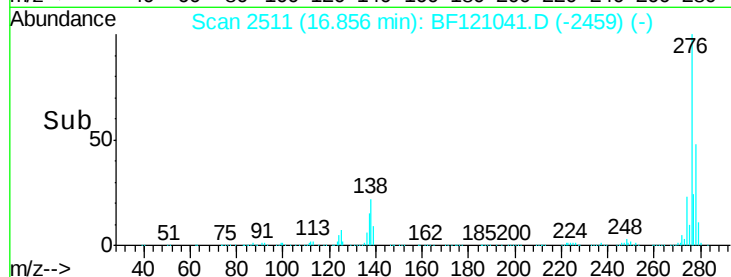
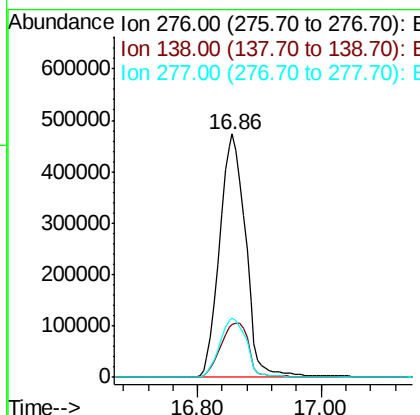
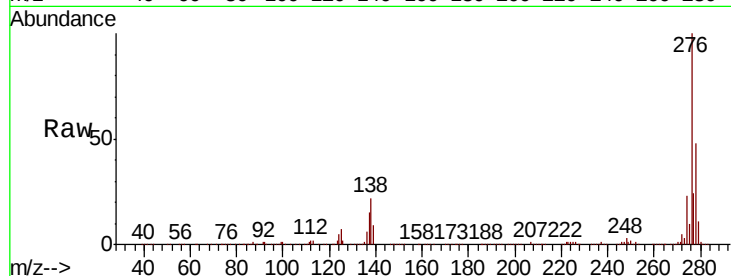
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 41.306 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. 0.01 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Instrument :
 BNA_F
 ClientSampleId :
 CTR-020MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.8	29.8
277	25.2	20.2	30.2

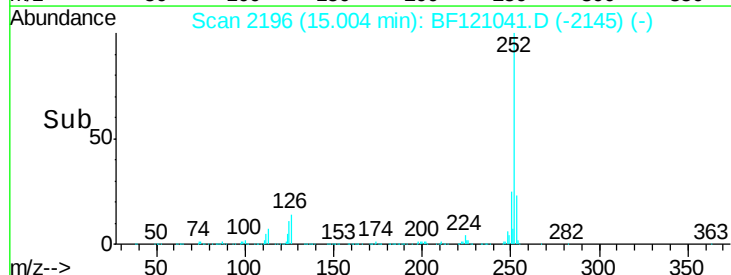
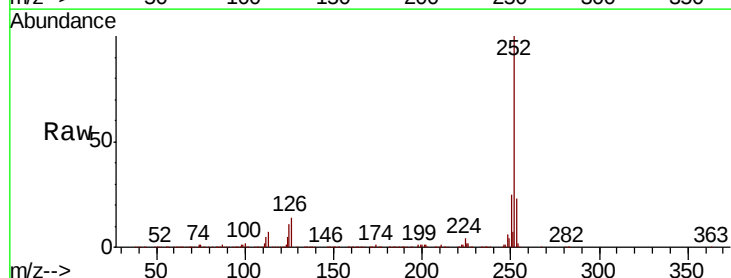
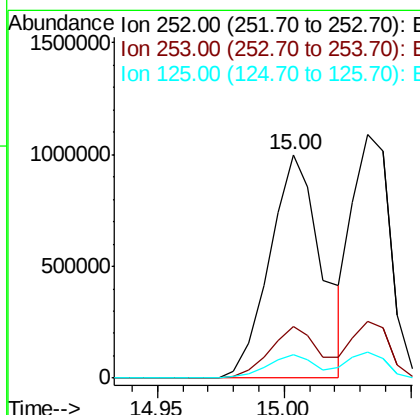
Manual Integrations
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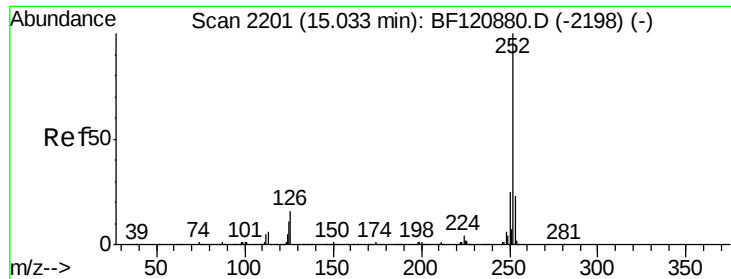
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#88
 Benzo(b)fluoranthene
 Concen: 48.824 ng
 RT: 15.00 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: BF121041.D
 Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	10.6	8.3	12.5





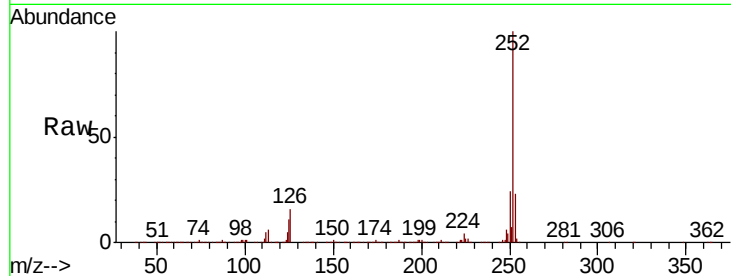
#89
Benzo(k)fluoranthene
Concen: 44.000 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	10.7	8.4	12.6

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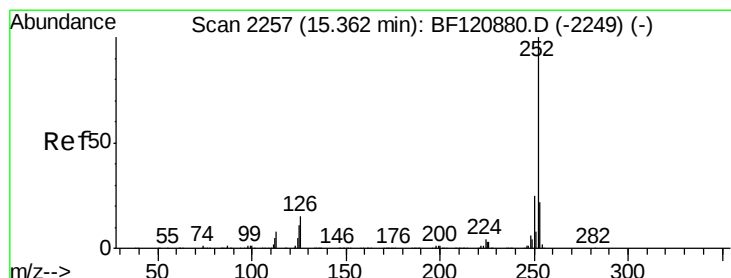
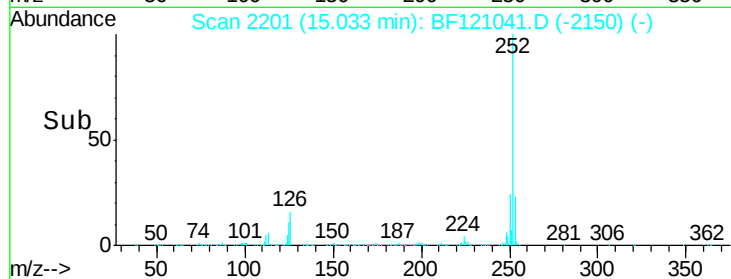
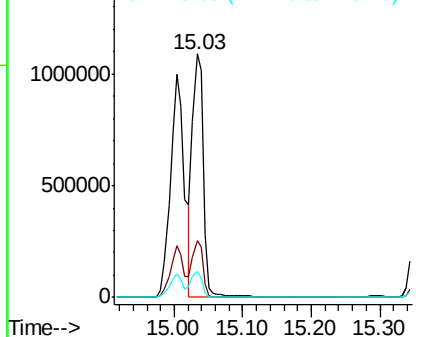


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 43.562 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

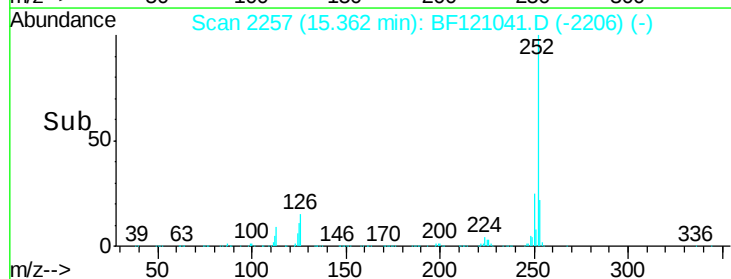
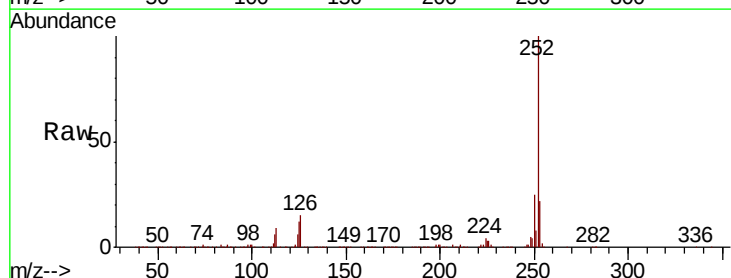
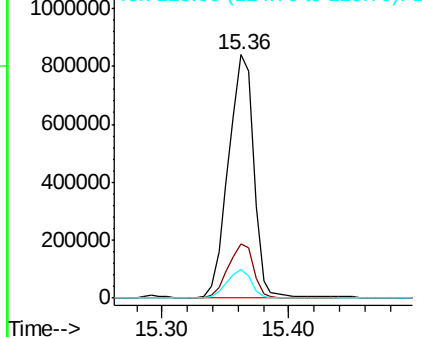
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	11.5	8.9	13.3

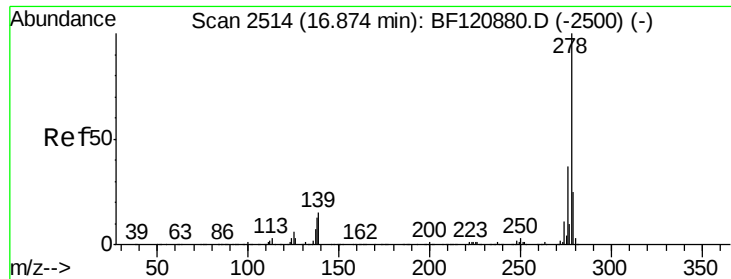
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





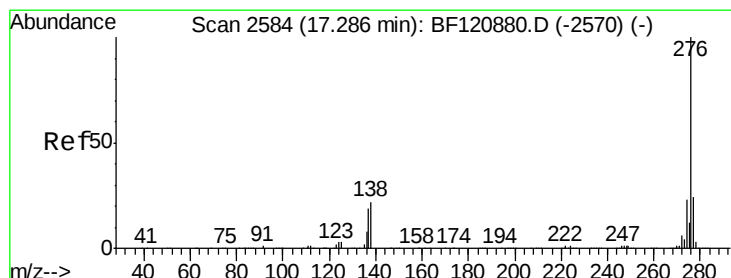
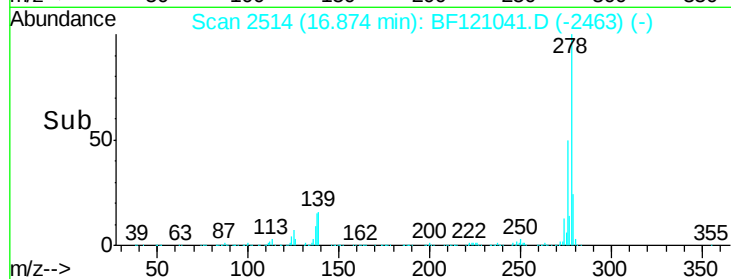
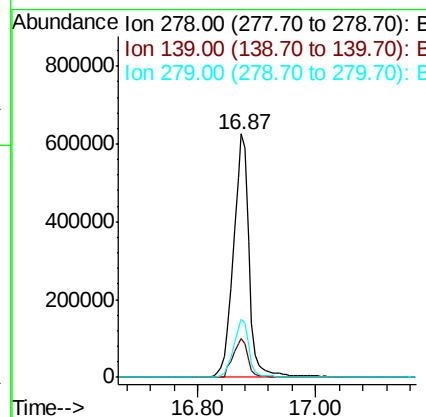
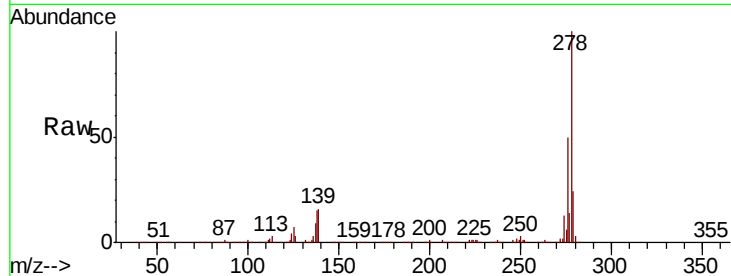
#91
Dibenzo(a,h)anthracene
Concen: 42.136 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Instrument :
BNA_F
ClientSampleId :
CTR-020MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.3	18.5
279	24.0	20.1	30.1

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#92
Benzo(g,h,i)perylene
Concen: 42.755 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BF121041.D
Acq: 27 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	21.8	17.5	26.3

