

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051420\
 Data File : BF120304.D
 Acq On : 14 May 2020 21:28
 Operator : MA/SJ
 Sample : L2635-01MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-P72-11933MSD

Manual Integrations
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 5/18/2020 1:32:12 PM

Quant Time: May 15 04:16:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 12:47:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	408596	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	1597342	20.00	ng	0.00
39) Acenaphthene-d10	9.66	164	761502	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1292141	20.00	ng	0.00
76) Chrysene-d12	13.79	240	704769	20.00	ng	0.00
87) Perylene-d12	15.18	264	705083	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	2362381	112.49	ng	0.02
7) Phenol-d6	6.29	99	2969182	111.81	ng	0.00
23) Nitrobenzene-d5	7.20	82	1912712	81.98	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	649779	104.65	ng	0.00
45) 2-Fluorobiphenyl	8.99	172	3179389	85.78	ng	0.00
79) Terphenyl-d14	12.73	244	2779650	87.13	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.29	88	352890	42.244	ng	98
3) Pyridine	2.96	79	821864	31.298	ng	99
4) n-Nitrosodimethylamine	2.92	42	425611	41.393	ng	# 100
6) Aniline	6.29	93	413806	12.184	ng	# 1
8) 2-Chlorophenol	6.42	128	975537	39.842	ng	96
9) Benzaldehyde	6.17	77	622884	38.048	ng	97
10) Phenol	6.30	94	1201628	38.762	ng	# 74
11) bis(2-Chloroethyl)ether	6.37	93	945830	38.195	ng	98
12) 1,3-Dichlorobenzene	6.56	146	960476	36.659	ng	98
13) 1,4-Dichlorobenzene	6.64	146	995864	36.904	ng	98
14) 1,2-Dichlorobenzene	6.79	146	874655	35.993	ng	100
15) Benzyl Alcohol	6.78	79	742578	39.360	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.91	45	1435560	36.786	ng	80
17) 2-Methylphenol	6.90	107	749305	36.251	ng	94
18) Hexachloroethane	7.13	117	368522	35.848	ng	98
19) n-Nitroso-di-n-propylamine	7.05	70	662737	38.093	ng	95
20) 3+4-Methylphenols	7.06	107	1001679	37.273	ng	94
22) Acetophenone	7.05	105	1316417	40.229	ng	99
24) Nitrobenzene	7.22	77	977670	38.938	ng	99
25) Isophorone	7.46	82	1848097	38.071	ng	99
26) 2-Nitrophenol	7.53	139	527989	40.207	ng	97
27) 2,4-Dimethylphenol	7.58	122	821221	42.991	ng	96
28) bis(2-Chloroethoxy)methane	7.67	93	1207846	39.586	ng	99
29) 2,4-Dichlorophenol	7.78	162	770524	39.275	ng	98
30) 1,2,4-Trichlorobenzene	7.85	180	824459	37.922	ng	99
31) Naphthalene	7.93	128	2655890	39.396	ng	100
32) Benzoic acid	7.75	122	554575	44.291	ng	97
33) 4-Chloroaniline	8.00	127	208820	6.797	ng	99
34) Hexachlorobutadiene	8.05	225	456327	36.314	ng	99
35) Caprolactam	8.37	113	243256m	37.900	ng	
36) 4-Chloro-3-methylphenol	8.49	107	798379	37.618	ng	98
37) 2-Methylnaphthalene	8.62	142	1716614	37.209	ng	99
38) 1-Methylnaphthalene	8.72	142	1664452	37.199	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.79	216	775192	40.371	ng	99

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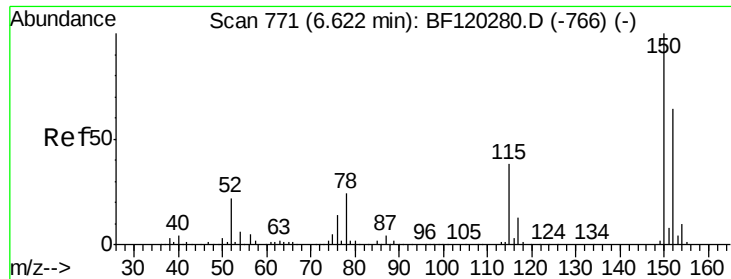
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
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 QLast Update : Thu May 14 12:47:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.77	237	421478	55.431	nq	99
43) 2,4,6-Trichlorophenol	8.91	196	512777	39.784	nq	99
44) 2,4,5-Trichlorophenol	8.96	196	540665	36.527	nq	99
46) 1,1'-Biphenyl	9.09	154	2050271	41.092	nq	99
47) 2-Chloronaphthalene	9.12	162	1475485	36.866	nq	99
48) 2-Nitroaniline	9.22	65	560764	38.401	nq	98
49) Acenaphthylene	9.53	152	2363353	38.657	nq	100
50) Dimethylphthalate	9.40	163	2457413	51.050	nq	99
51) 2,6-Dinitrotoluene	9.46	165	409342	38.100	nq	96
52) Acenaphthene	9.70	154	1388508	37.890	nq	100
53) 3-Nitroaniline	9.63	138	187248	14.615	nq	96
54) 2,4-Dinitrophenol	9.75	184	270609	53.359	nq	93
55) Dibenzofuran	9.87	168	2005887	38.010	nq	98
56) 4-Nitrophenol	9.82	139	483565	70.241	nq	# 83
57) 2,4-Dinitrotoluene	9.87	165	465703	36.951	nq	97
58) Fluorene	10.22	166	1554285	38.674	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.00	232	427815	38.406	nq	99
60) Diethylphthalate	10.10	149	1802544	38.786	nq	100
61) 4-Chlorophenyl-phenylether	10.20	204	751875	35.983	nq	99
62) 4-Nitroaniline	10.25	138	334287	28.019	nq	100
63) Azobenzene	10.37	77	1707265	38.870	nq	98
65) 4,6-Dinitro-2-methylphenol	10.28	198	212012	32.444	nq	90
66) n-Nitrosodiphenylamine	10.33	169	1476472	41.302	nq	99
67) 4-Bromophenyl-phenylether	10.69	248	472216	37.661	nq	99
68) Hexachlorobenzene	10.76	284	503474	38.382	nq	# 90
69) Atrazine	10.86	200	378222	35.358	nq	99
70) Pentachlorophenol	10.96	266	435421	78.046	nq	99
71) Phenanthrene	11.17	178	2126790	39.170	nq	100
72) Anthracene	11.23	178	2304497	39.647	nq	99
73) Carbazole	11.39	167	2037036	37.507	nq	99
74) Di-n-butylphthalate	11.72	149	2645869	40.423	nq	99
75) Fluoranthene	12.36	202	2163721	37.180	nq	99
77) Benzidine	12.49	184	760427	36.949	nq	98
78) Pyrene	12.59	202	2095932	41.716	nq	99
80) Butylbenzylphthalate	13.21	149	963078	40.707	nq	97
81) Benzo(a)anthracene	13.77	228	1406126	37.828	nq	99
82) 3,3'-Dichlorobenzidine	13.74	252	274303	19.582	nq	98
83) Chrysene	13.81	228	1504658	37.696	nq	99
84) Bis(2-ethylhexyl)phthalate	13.77	149	1190554	40.447	nq	100
85) Di-n-octyl phthalate	14.39	149	2029604	38.328	nq	98
86) Indeno(1,2,3-cd)pyrene	16.51	276	1534622	42.361	nq	99
88) Benzo(b)fluoranthene	14.79	252	1547895	40.199	nq	97
89) Benzo(k)fluoranthene	14.82	252	1249044	37.440	nq	100
90) Benzo(a)pyrene	15.12	252	1287330	37.278	nq	99
91) Dibenzo(a,h)anthracene	16.52	278	1280644	41.860	nq	99
92) Benzo(g,h,i)perylene	16.91	276	1285832	41.680	nq	98

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



#1

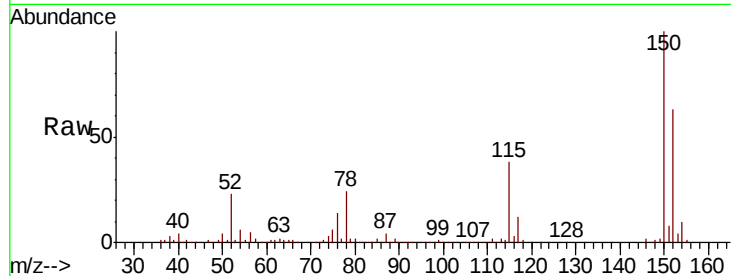
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.2	189.2
115	60.8	47.9	71.9

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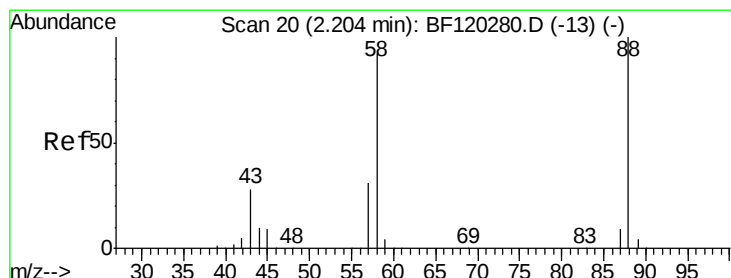
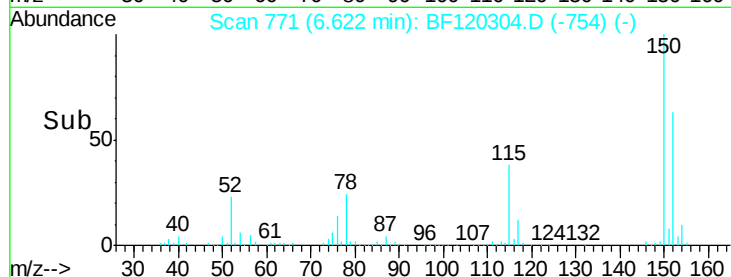
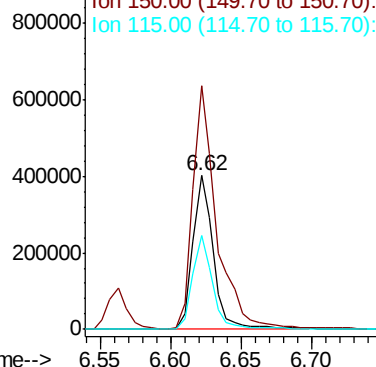


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

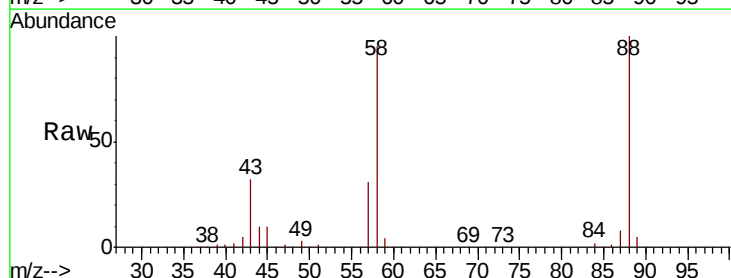
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 42.244 ng
RT: 2.29 min Scan# 35
Delta R.T. 0.09 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	96.2	75.8	113.6
43	28.3	23.6	35.4

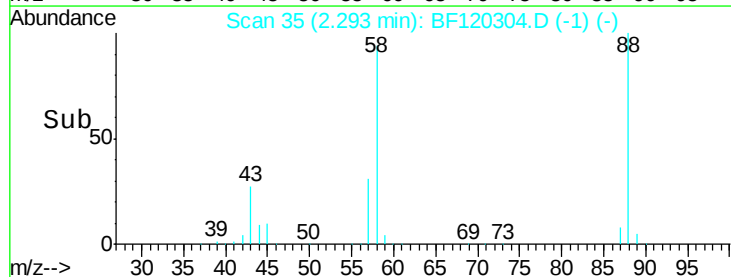
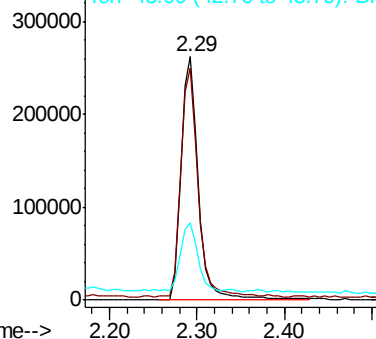


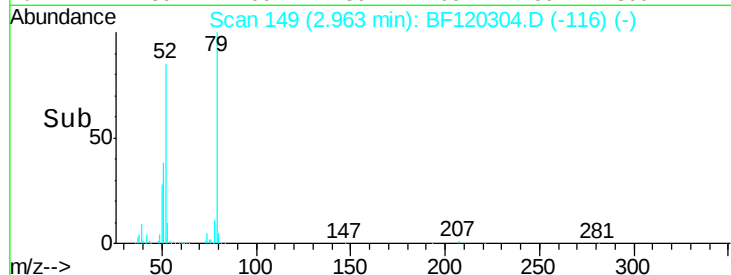
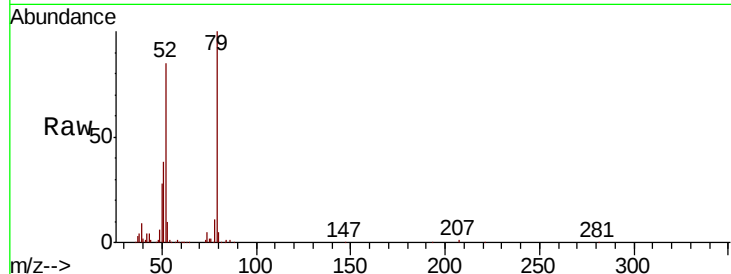
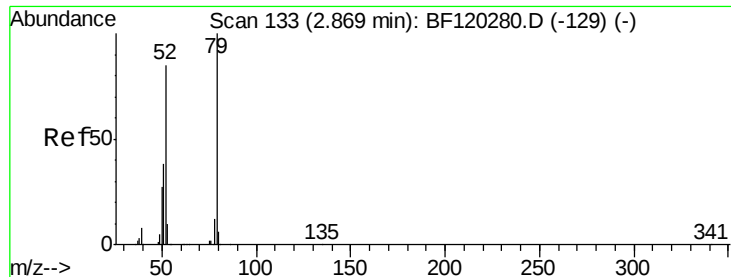
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





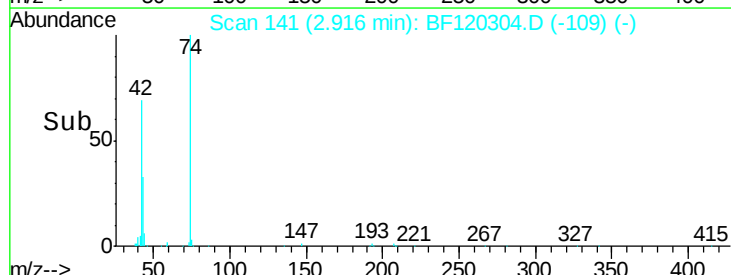
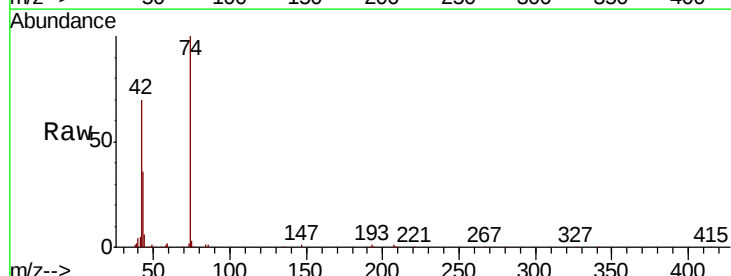
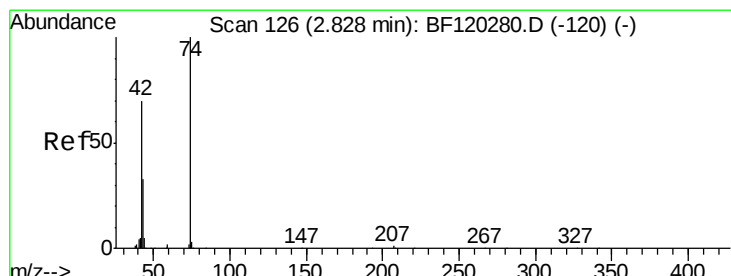
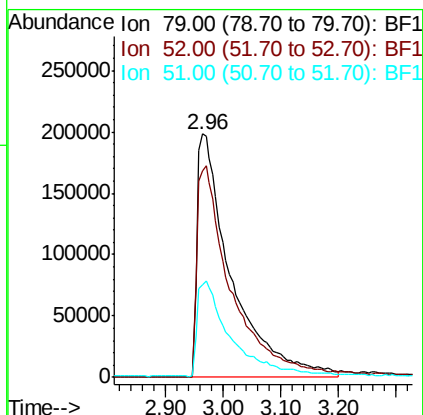
#3
Pvridine
Concen: 31.298 ng
RT: 2.96 min Scan# 149
Delta R.T. 0.09 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tot Ion	Ratio	Lower	Upper
79	100		
52	84.6	68.4	102.6
51	38.1	31.0	46.4

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

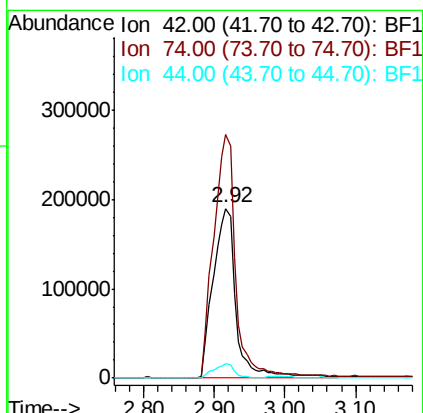
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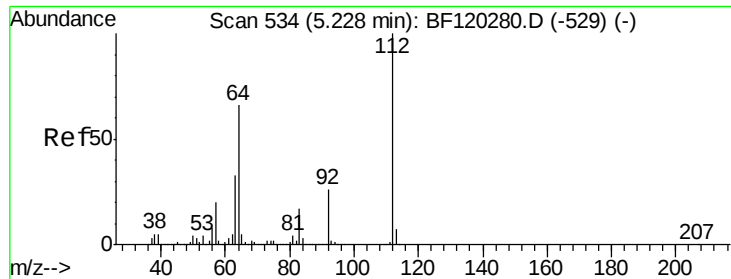
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#4
n-Nitrosodimethylamine
Concen: 41.393 ng
RT: 2.92 min Scan# 141
Delta R.T. 0.09 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
42	100		
74	143.5	114.8	172.2
44	8.5	5.6	8.4





#5

2-Fluorophenol

Concen: 112.495 ng

RT: 5.25 min Scan# 537

Delta R.T. 0.02 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion:112 Resp: 2362381

Ion Ratio Lower Upper

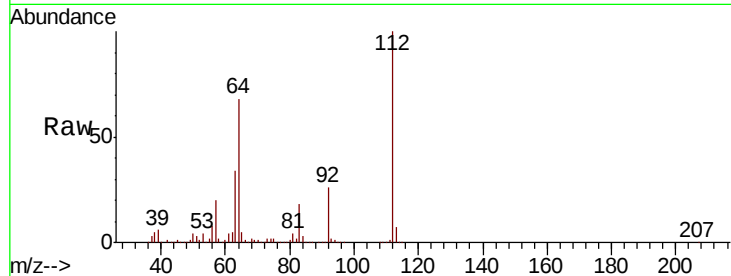
112 100

64 67.7 52.7 79.1

63 34.1 26.2 39.4

Manual Integrations
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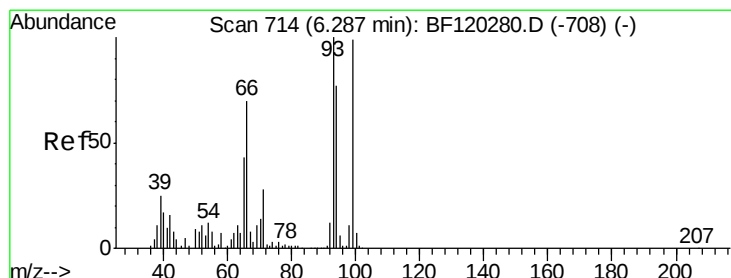
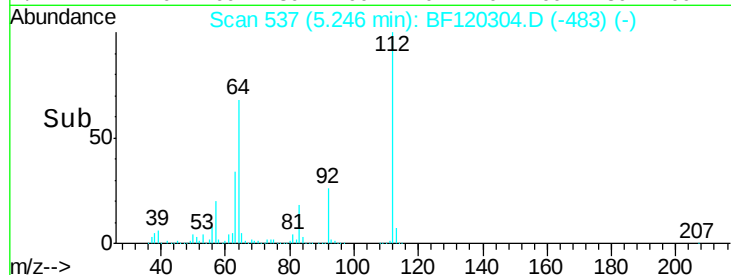
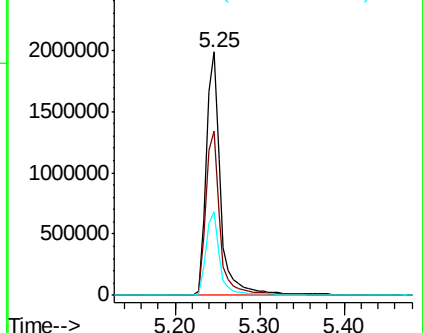
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 12.184 ng

RT: 6.29 min Scan# 715

Delta R.T. 0.01 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

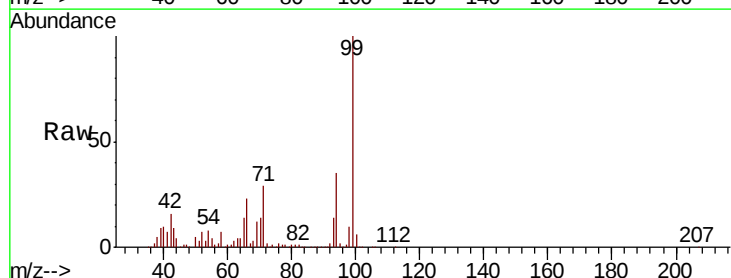
Tgt Ion: 93 Resp: 413806

Ion Ratio Lower Upper

93 100

66 158.5 56.2 84.4#

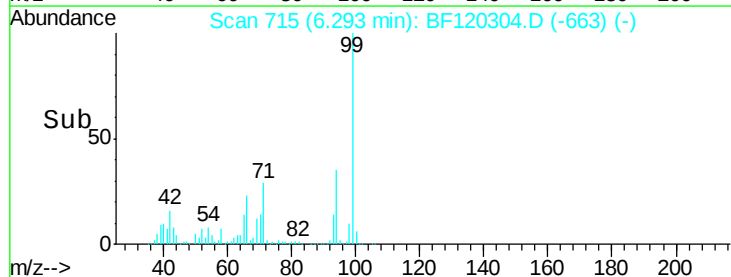
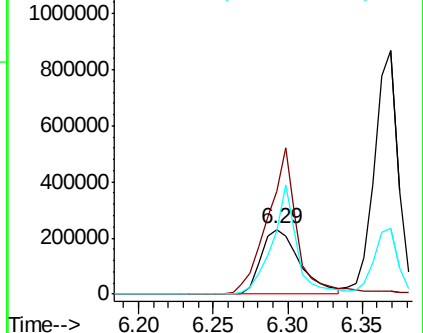
65 97.4 34.2 51.2#

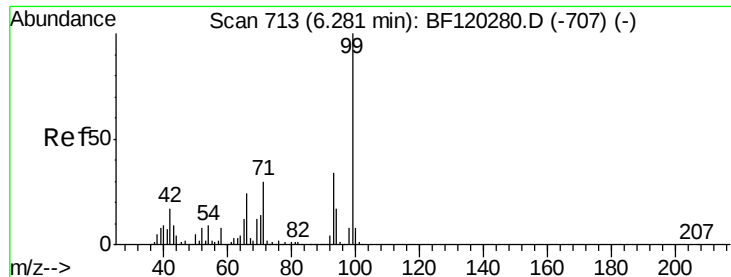


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 111.807 ng

RT: 6.29 min Scan# 714

Delta R.T. 0.01 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion: 99 Resp: 2969182

Ion Ratio Lower Upper

99 100

42 17.7 13.6 20.4

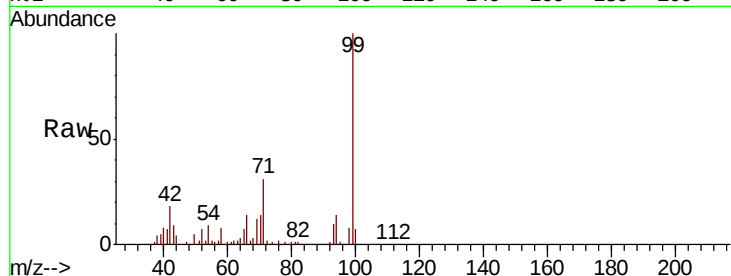
71 31.4 24.2 36.4

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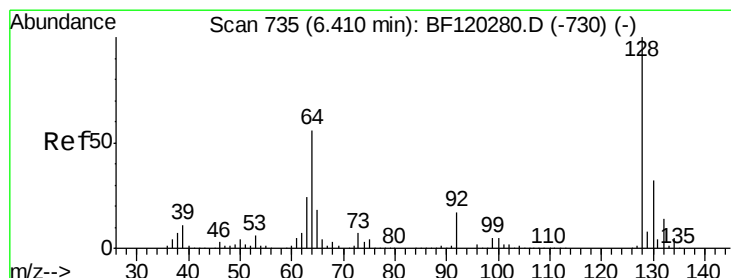
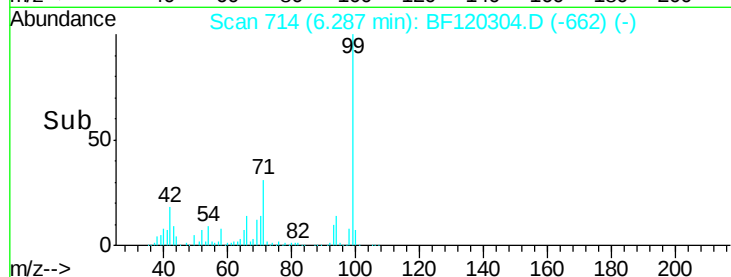
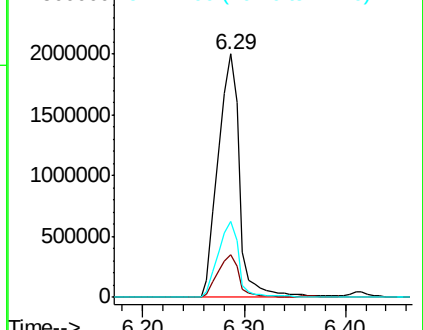
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.842 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

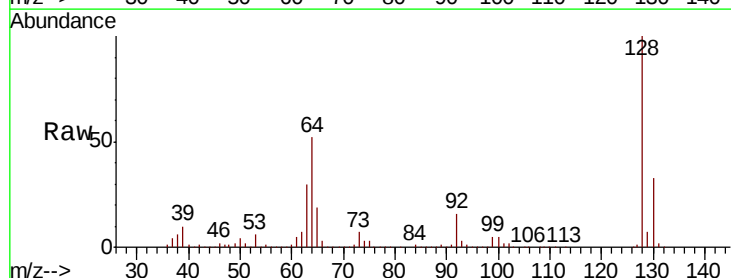
Tgt Ion:128 Resp: 975537

Ion Ratio Lower Upper

128 100

130 32.9 12.4 52.4

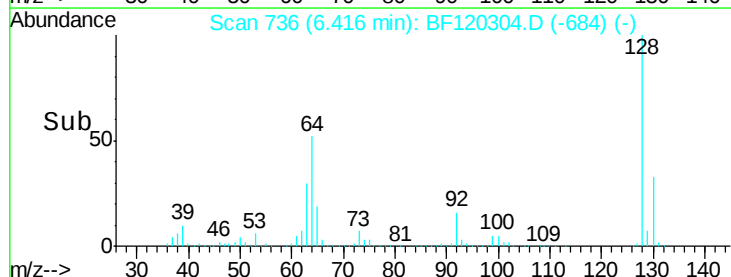
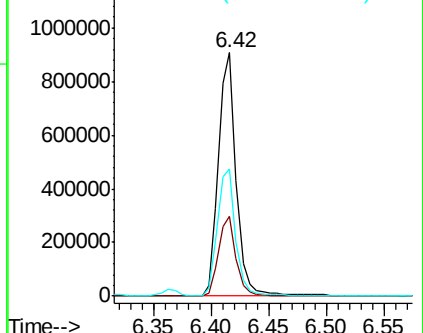
64 52.1 36.7 76.7

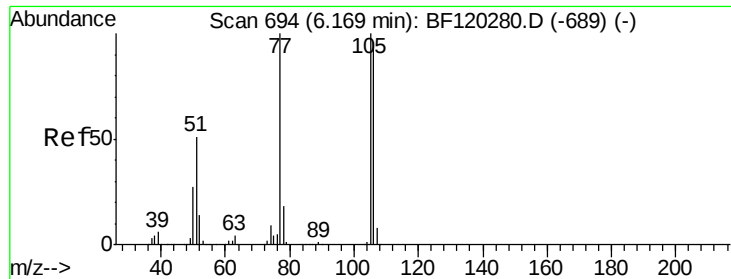


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 38.048 ng

RT: 6.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

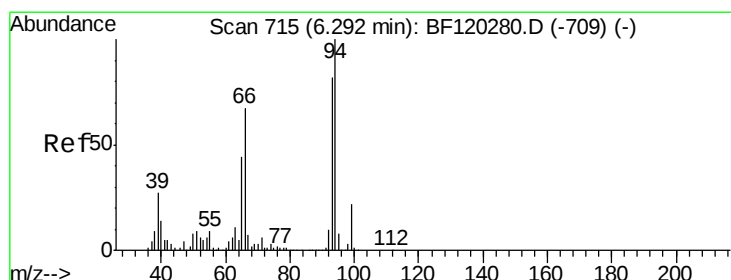
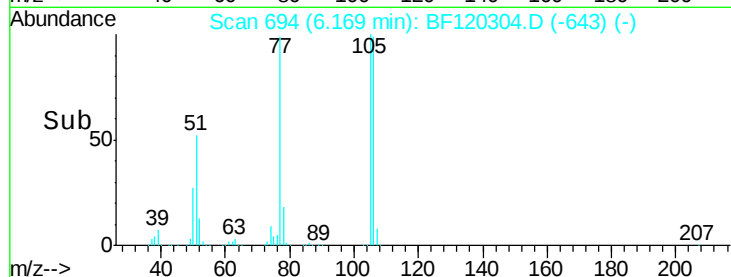
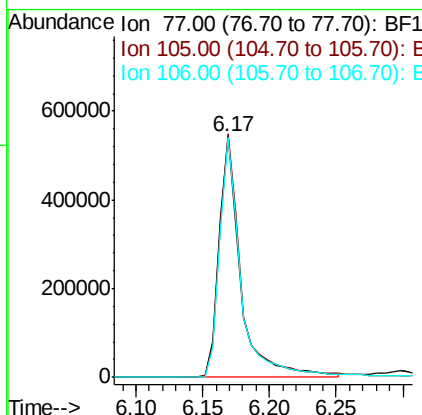
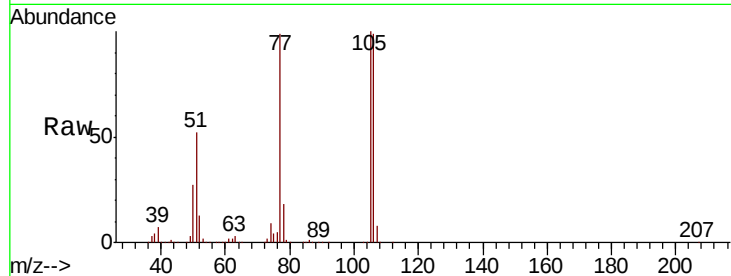
ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	101.2	79.9	119.9		
106	99.8	75.7	115.7		

Manual Integrations
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#10

Phenol

Concen: 38.762 ng

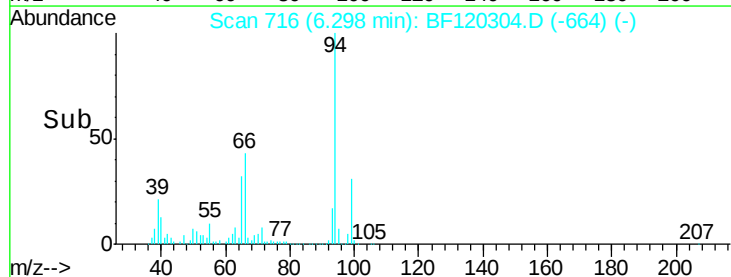
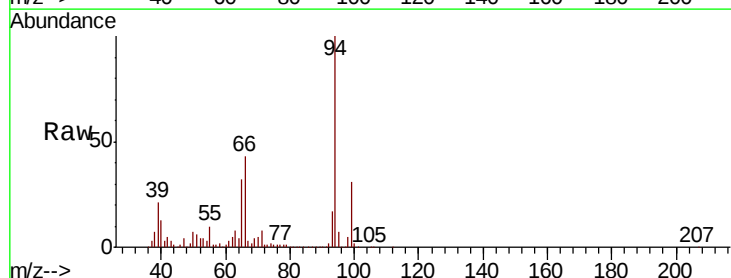
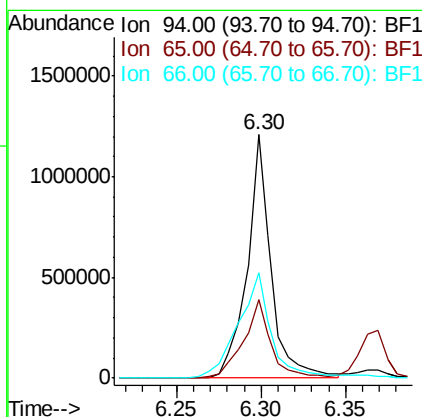
RT: 6.30 min Scan# 716

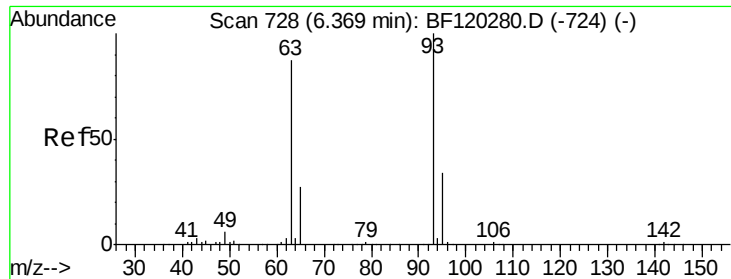
Delta R.T. 0.01 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	32.2	24.1	64.1		
66	43.2	47.5	87.5		





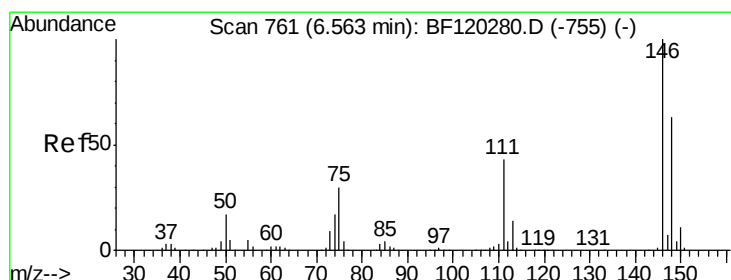
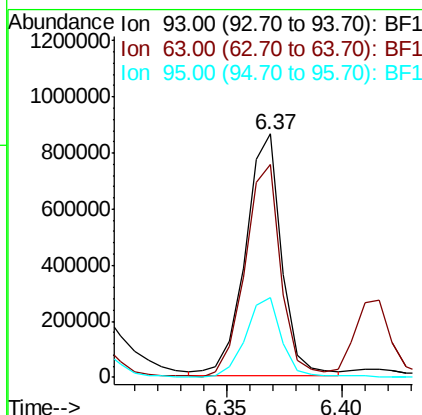
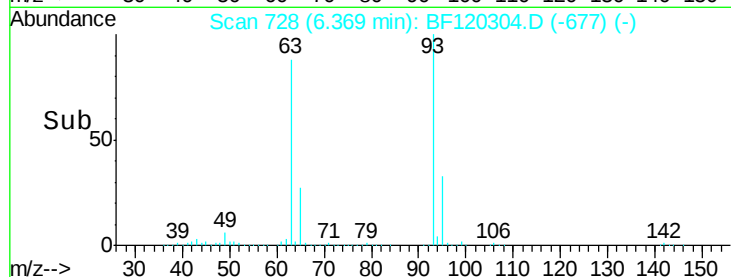
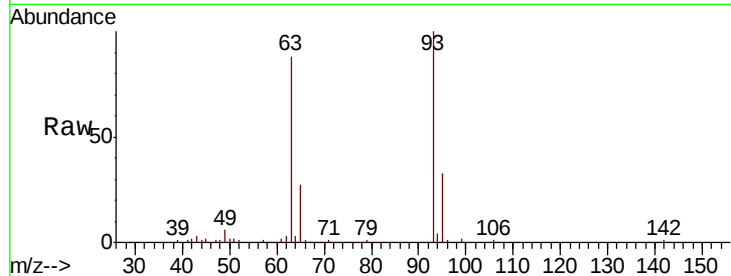
#11
bis(2-Chloroethyl)ether
Concen: 38.195 ng
RT: 6.37 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion:	93	Resp:	945830
Ion Ratio	Lower	Upper	
93	100		
63	87.6	65.4	105.4
95	33.0	12.9	52.9

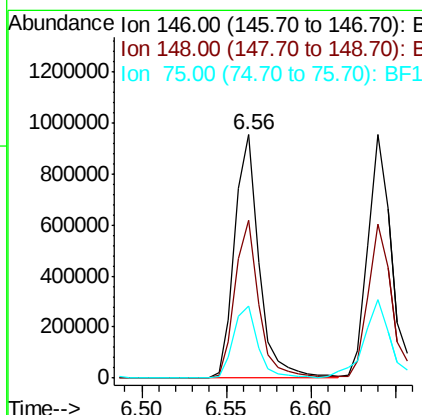
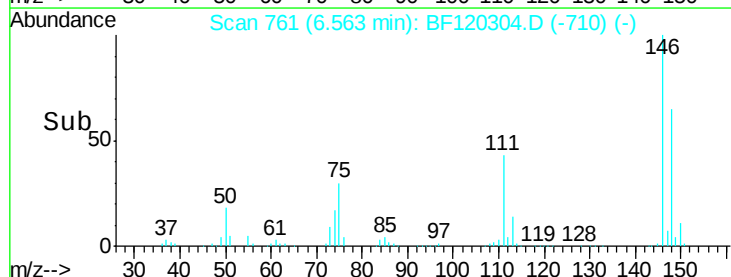
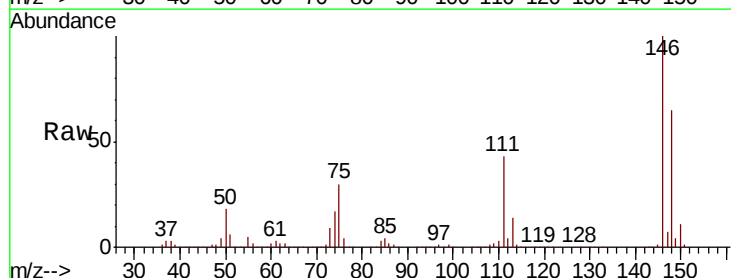
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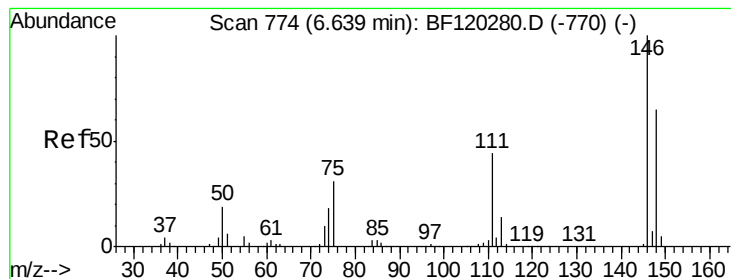
mohammad
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#12
1,3-Dichlorobenzene
Concen: 36.659 ng
RT: 6.56 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion:	146	Resp:	960476
Ion Ratio	Lower	Upper	
146	100		
148	65.0	50.5	75.7
75	29.7	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 36.904 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

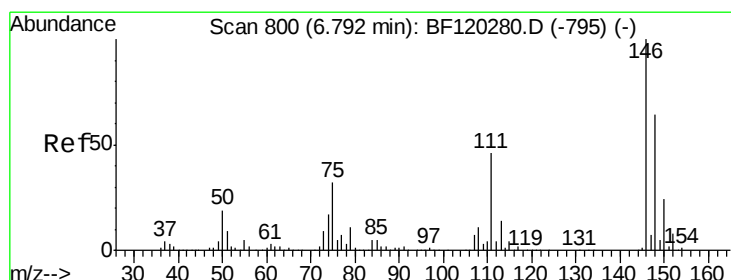
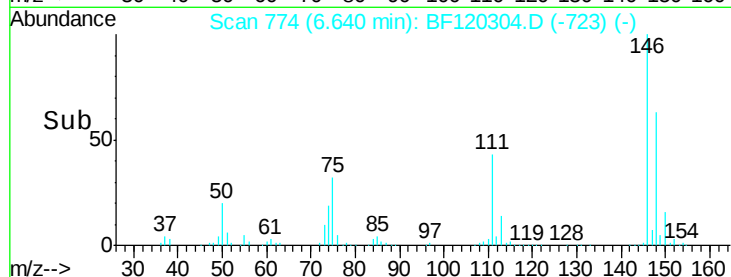
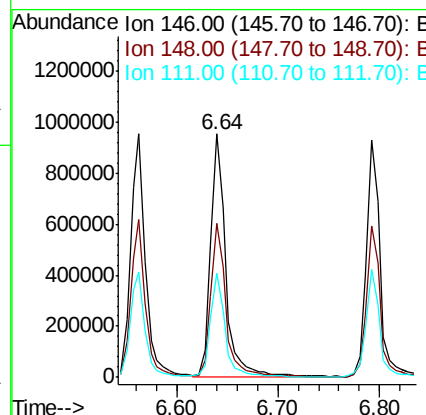
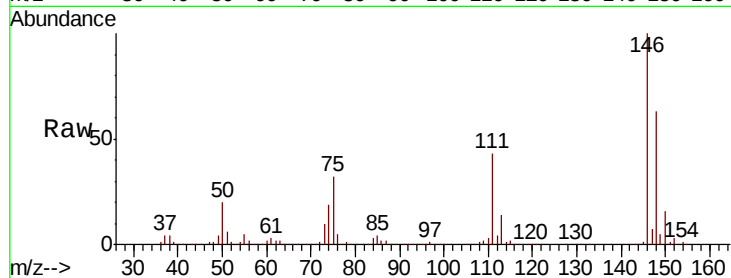
ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion:	146	Resp:	995864
Ion Ratio	Lower	Upper	
146	100		
148	63.4	51.6	77.4
111	42.6	35.1	52.7

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#14

1,2-Dichlorobenzene

Concen: 35.993 ng

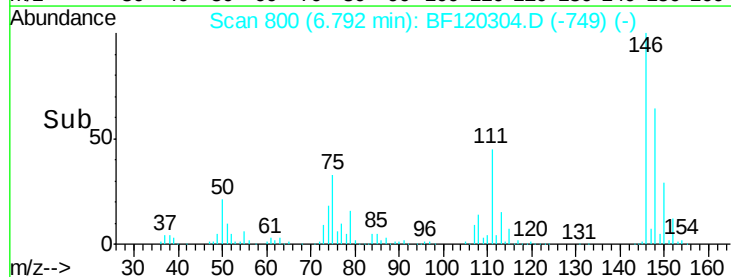
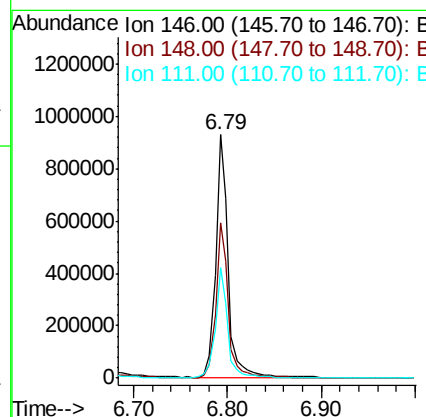
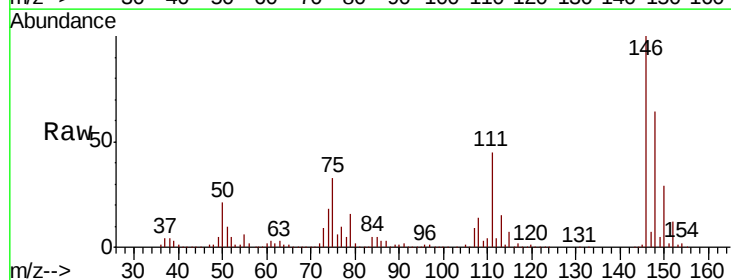
RT: 6.79 min Scan# 800

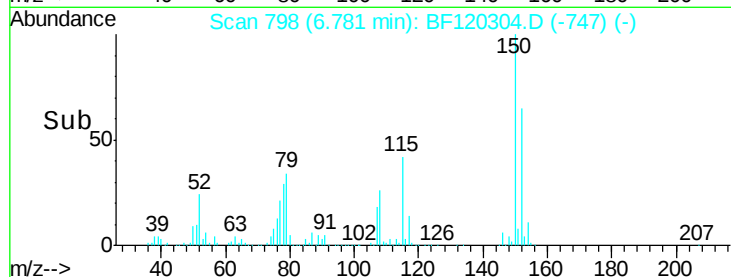
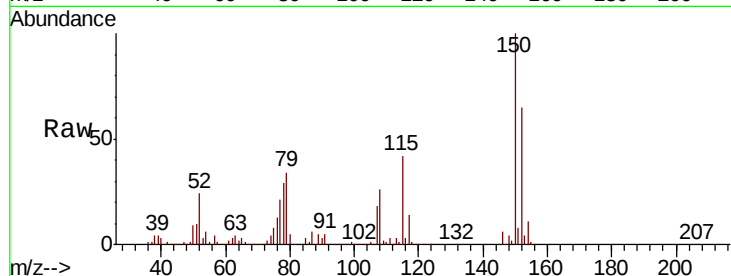
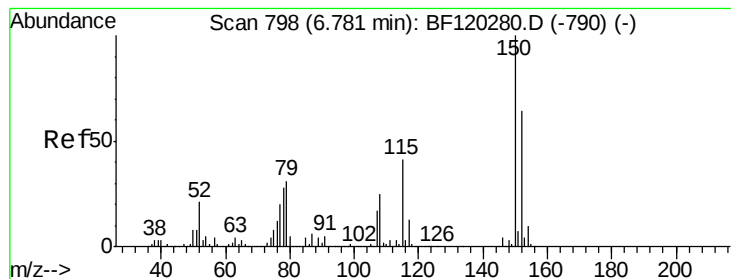
Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tgt Ion:	146	Resp:	874655
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.1	76.7
111	45.2	36.6	55.0





#15

Benzyl Alcohol

Concen: 39.360 ng

RT: 6.78 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tot Ion:	79	Resp:	742578
Ion Ratio	Lower	Upper	
79	100		
108	76.0	64.2	96.4
77	61.7	51.6	77.4

Instrument :

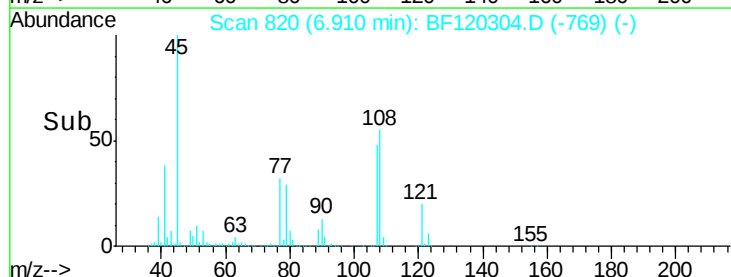
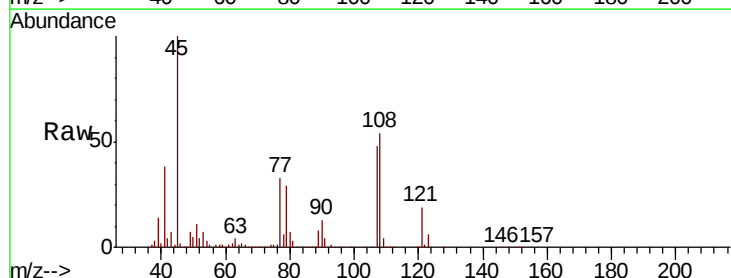
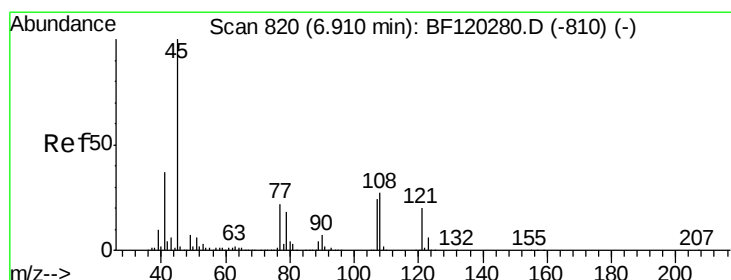
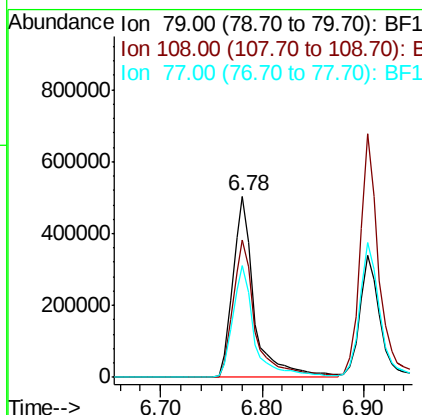
BNA_F

ClientSampleId :

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.786 ng

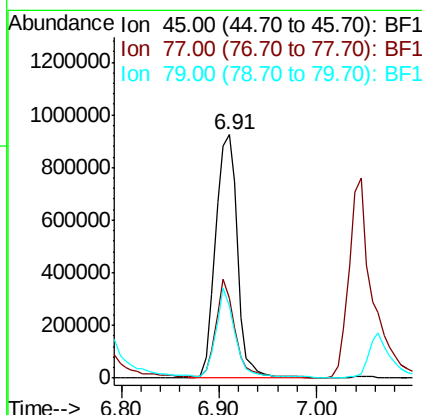
RT: 6.91 min Scan# 820

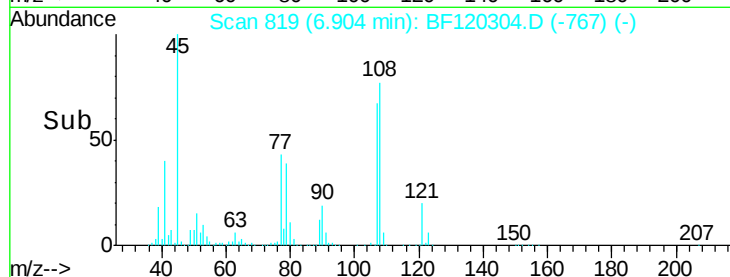
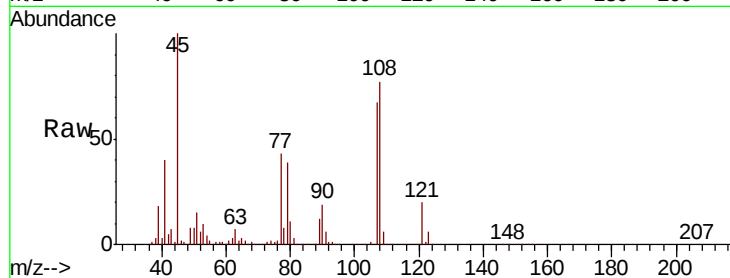
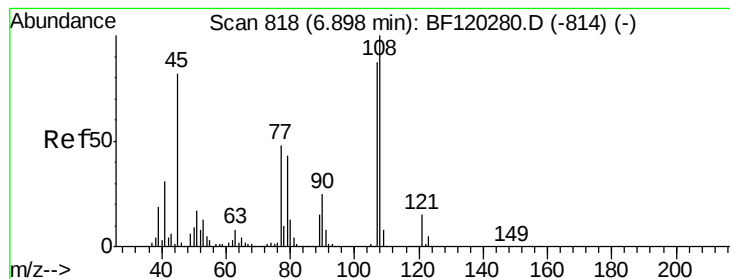
Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tgt Ion:	45	Resp:	1435560
Ion Ratio	Lower	Upper	
45	100		
77	32.7	3.1	43.1
79	29.5	0.0	40.0





#17

2-Methylphenol

Concen: 36.251 ng

RT: 6.90 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tot Ion	Ratio	Resp	Lower	Upper
107	100	749305		
108	114.7	92.4	138.6	
77	63.8	44.5	66.7	
79	57.8	40.4	60.6	

Instrument :

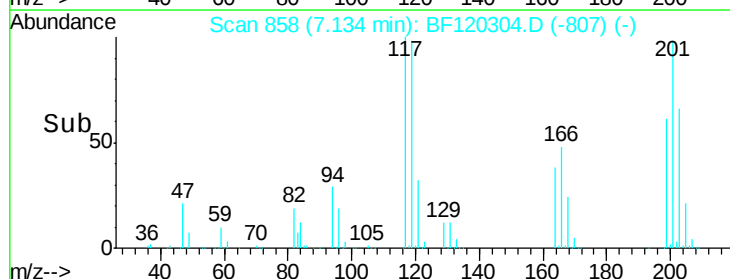
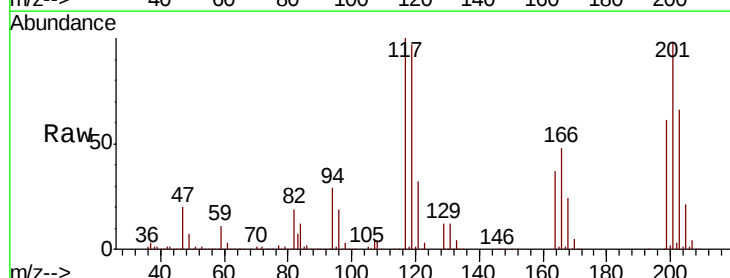
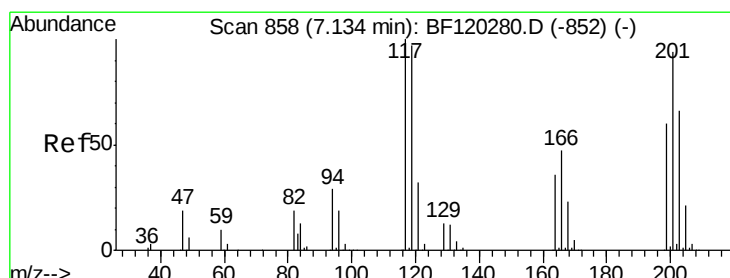
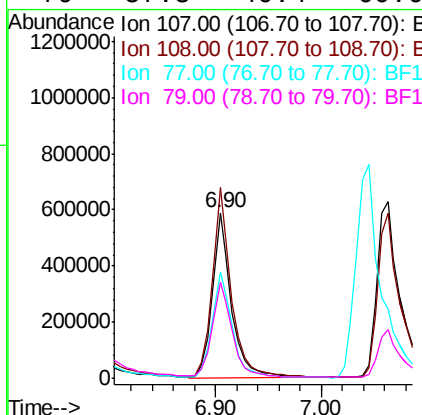
BNA_F

ClientSampleId :

ROLL-OFF-P72-11933MSD

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#18

Hexachloroethane

Concen: 35.848 ng

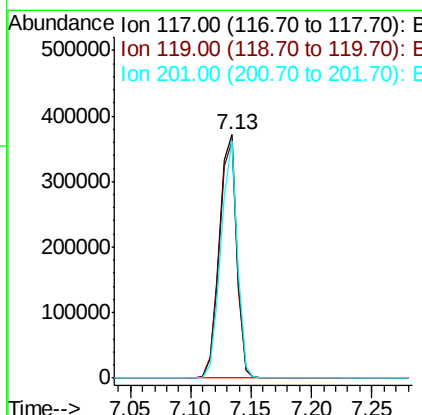
RT: 7.13 min Scan# 858

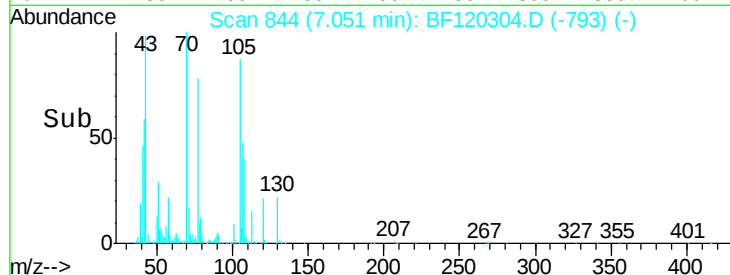
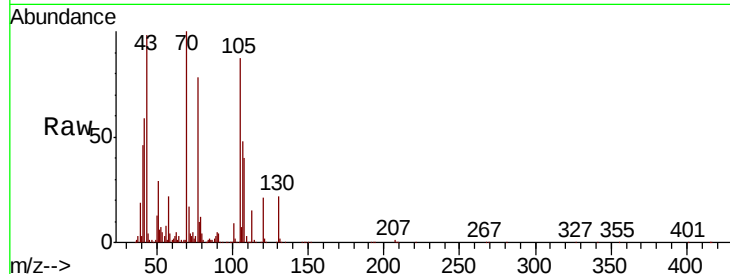
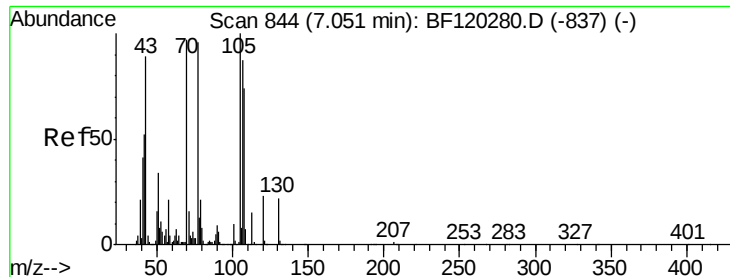
Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	368522		
119	97.3	77.4	116.0	
201	97.6	74.9	112.3	





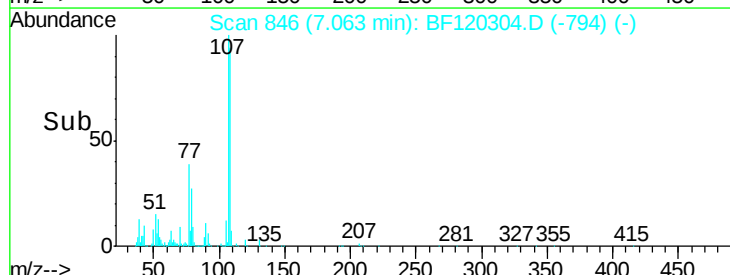
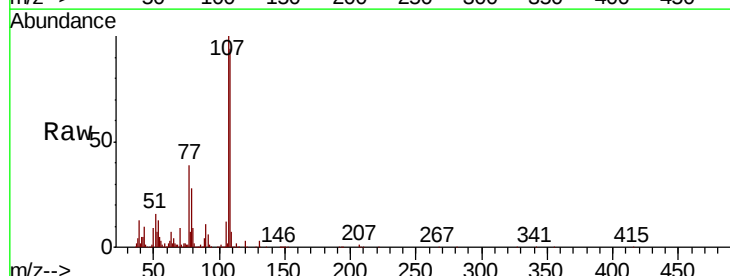
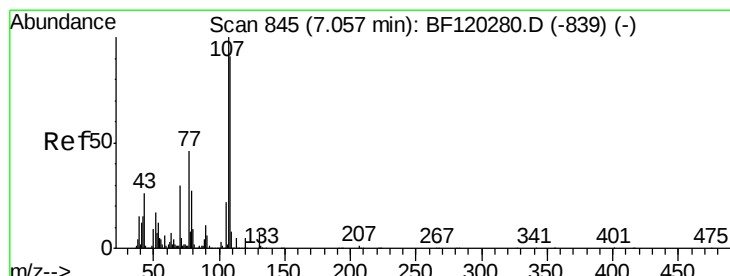
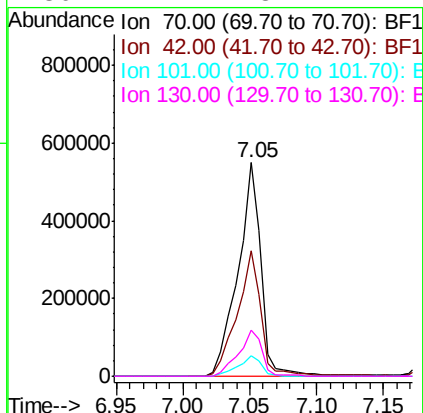
#19
n-Nitroso-di-n-propylamine
Concen: 38.093 ng
RT: 7.05 min Scan# 844
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	58.7	43.4	65.0	
101	9.5	7.8	11.8	
130	21.7	18.2	27.4	

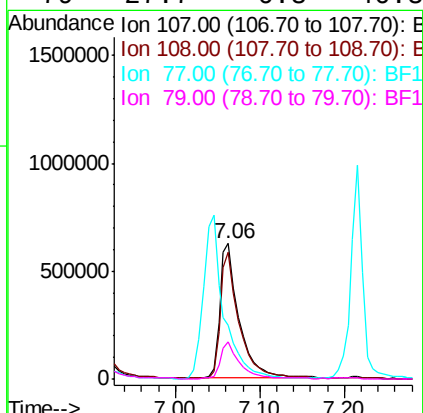
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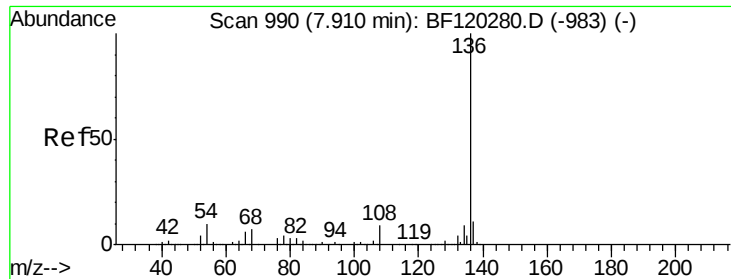
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#20
3+4-Methylphenols
Concen: 37.273 ng
RT: 7.06 min Scan# 846
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.7	71.1	111.1	
77	39.3	28.1	68.1	
79	27.7	6.8	46.8	





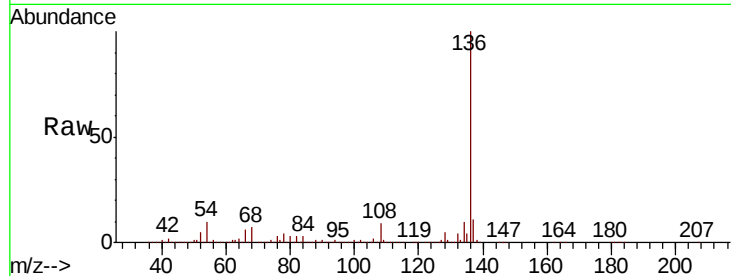
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.91 min Scan# 990
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

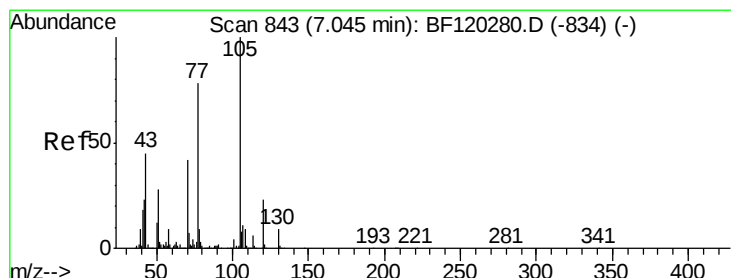
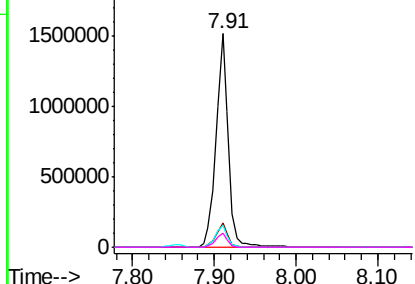
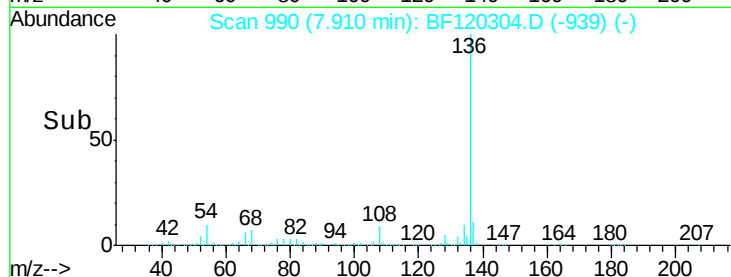
Tot Ion	136	Resp	1597342
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.9	7.9	11.9
68	6.6	5.4	8.2

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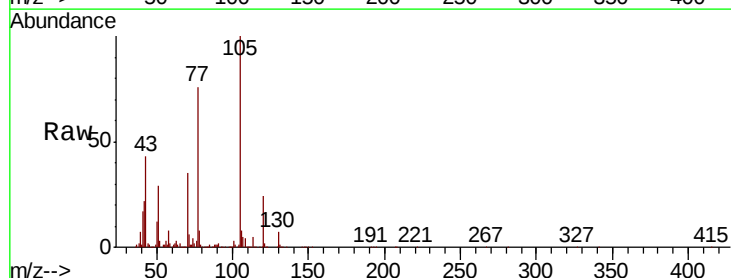


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

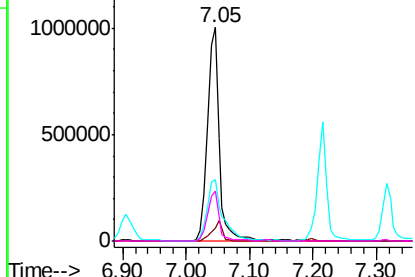
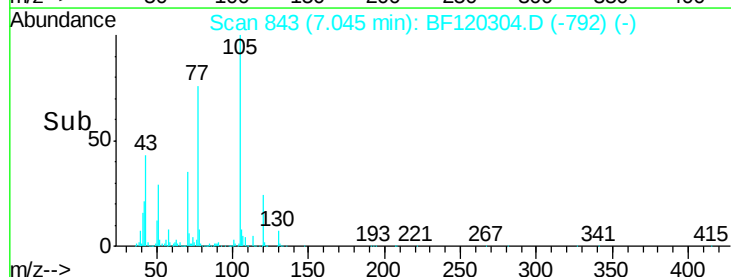


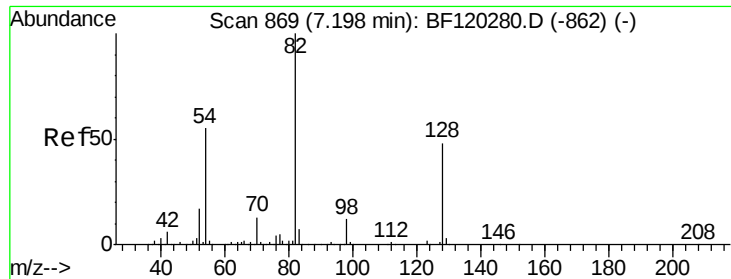
#22
Acetophenone
Concen: 40.229 ng
RT: 7.05 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	105	Resp	1316417
Ion	Ratio	Lower	Upper
105	100		
71	5.8	5.6	8.4
51	28.8	22.6	34.0
120	23.6	18.7	28.1



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E





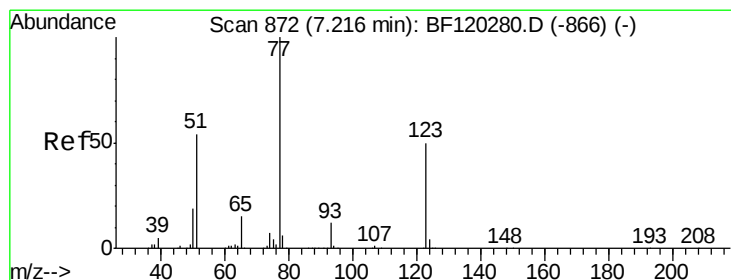
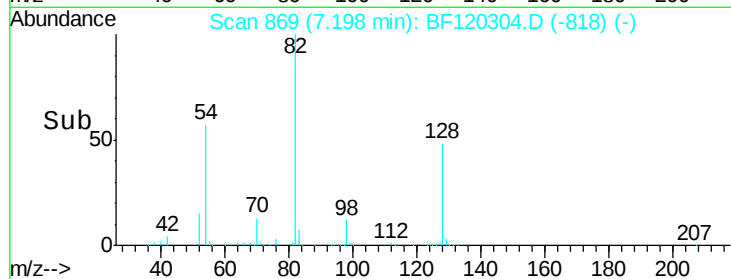
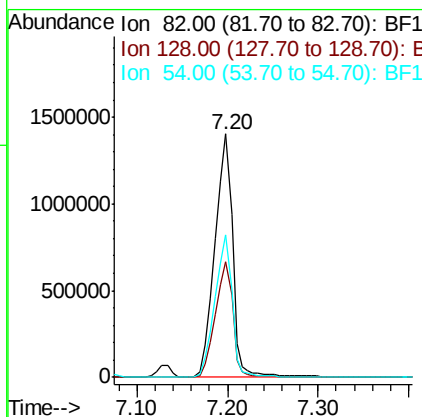
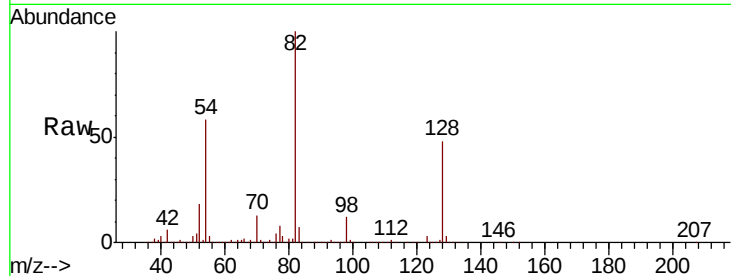
#23
Nitrobenzene-d5
Concen: 81.984 ng
RT: 7.20 min Scan# 869
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	38.3	57.5
54	58.3	43.9	65.9

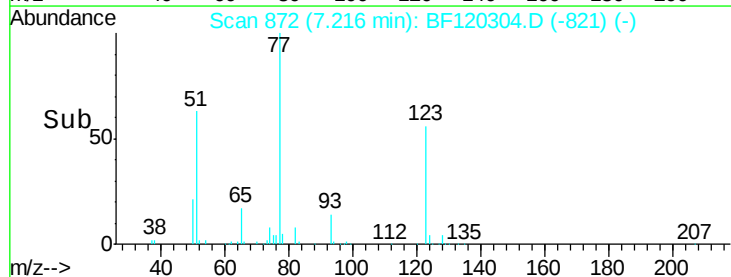
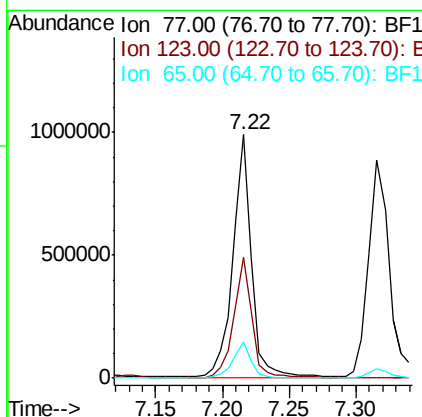
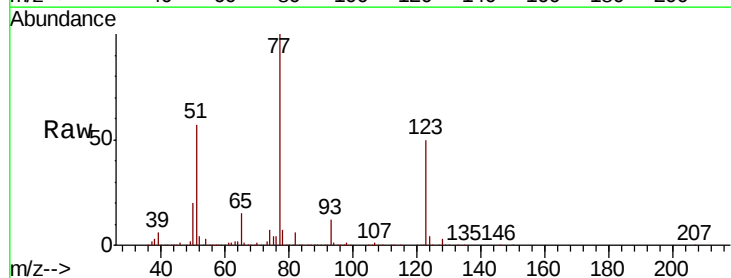
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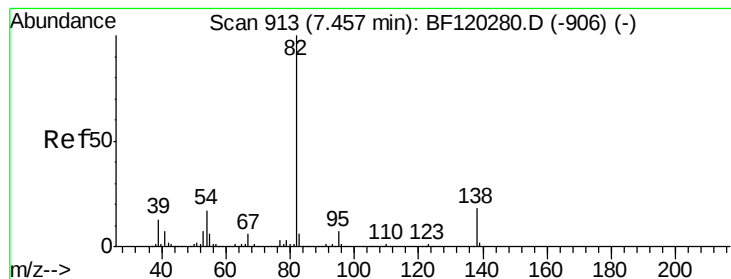
mohammad
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#24
Nitrobenzene
Concen: 38.938 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.7	40.0	60.0
65	14.9	11.7	17.5





#25

Isophorone

Concen: 38.071 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion: 82 Resp: 1848097

Ion Ratio Lower Upper

82 100

95 6.5 5.4 8.0

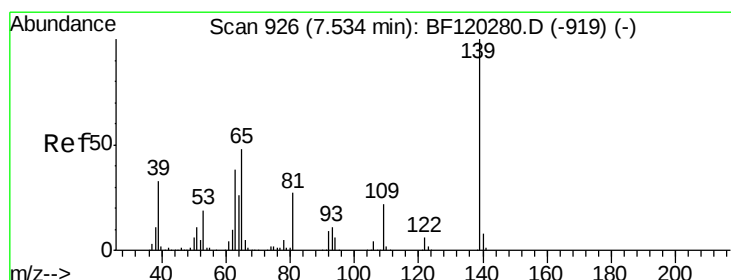
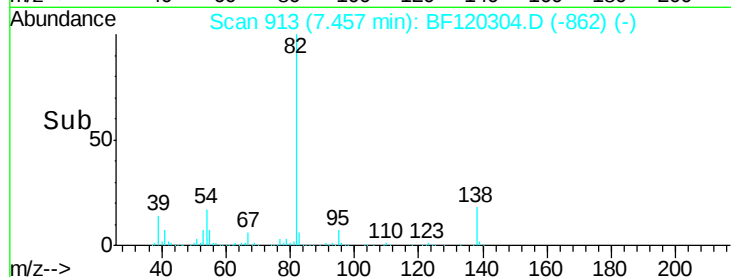
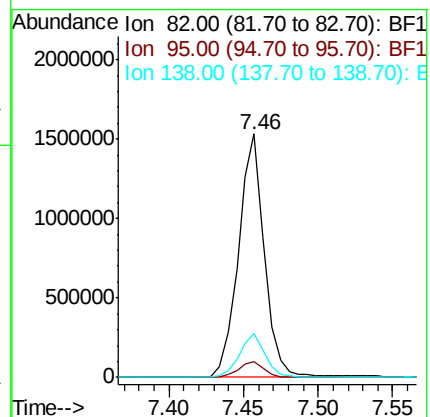
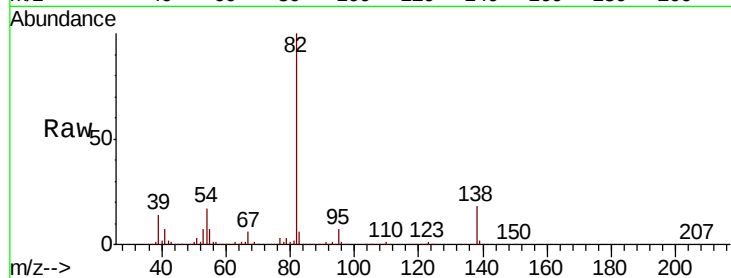
138 18.1 14.7 22.1

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#26

2-Nitrophenol

Concen: 40.207 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

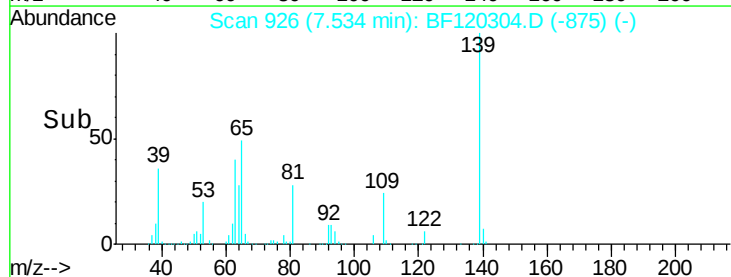
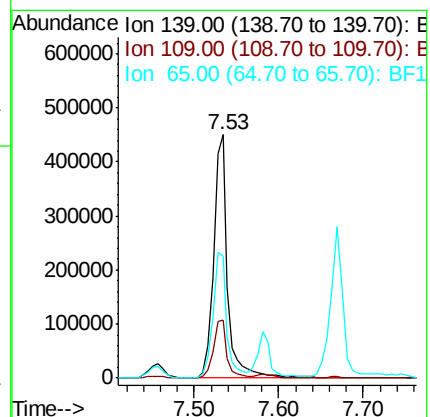
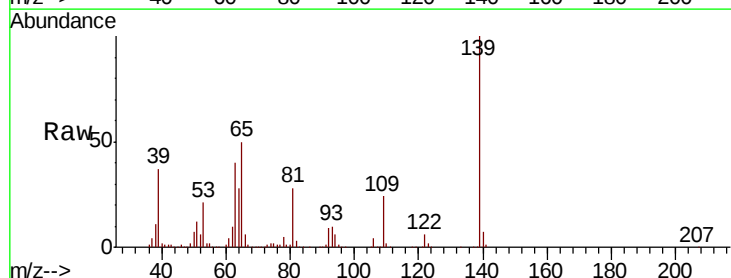
Tgt Ion: 139 Resp: 527989

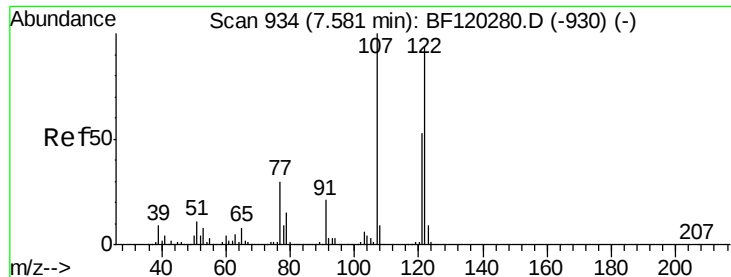
Ion Ratio Lower Upper

139 100

109 23.7 17.7 26.5

65 50.2 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 42.991 ng

RT: 7.58 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

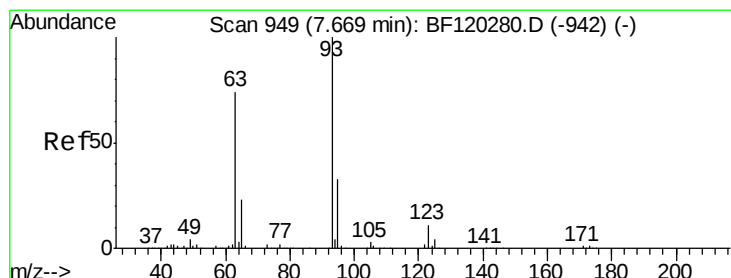
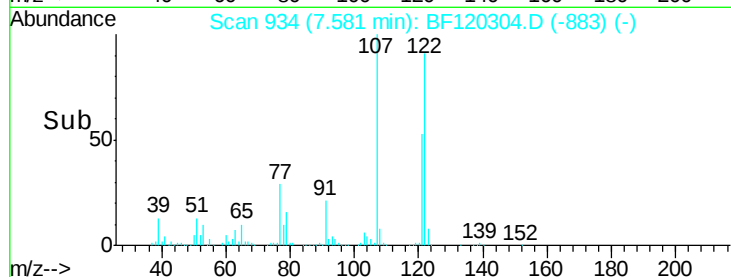
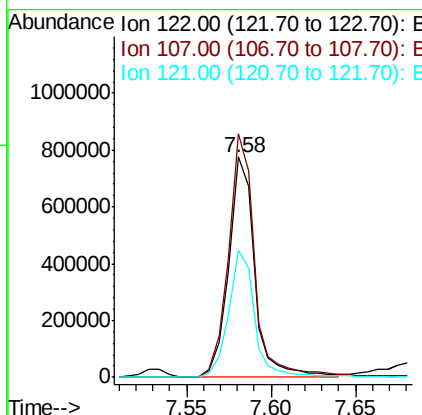
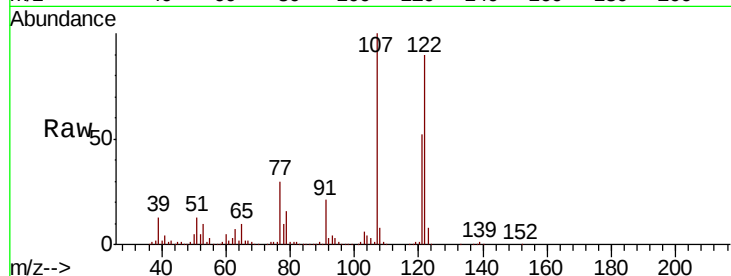
ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion:	122	Resp:	821221
Ion Ratio	Lower	Upper	
122	100		
107	110.7	85.0	127.6
121	58.0	45.1	67.7

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#28

bis(2-Chloroethoxy)methane

Concen: 39.586 ng

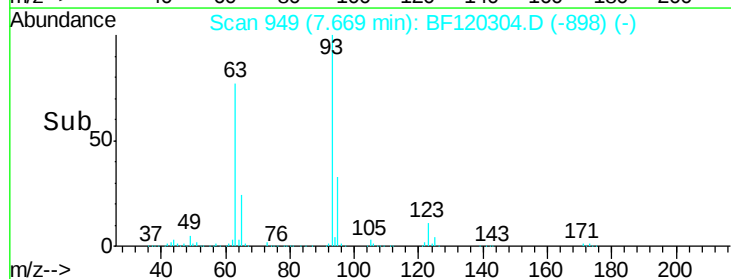
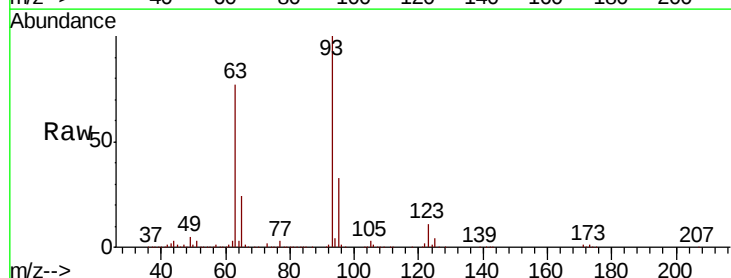
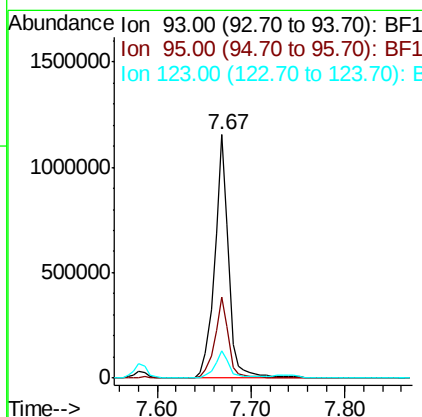
RT: 7.67 min Scan# 949

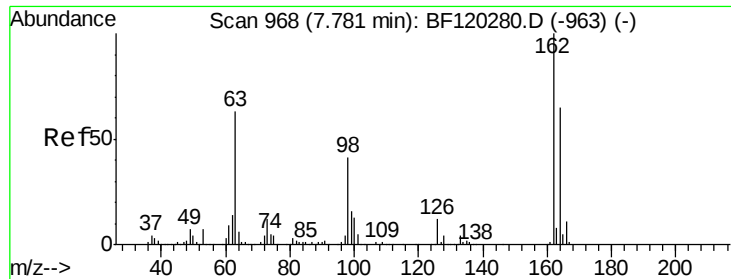
Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tgt Ion:	93	Resp:	1207846
Ion Ratio	Lower	Upper	
93	100		
95	33.0	26.8	40.2
123	11.2	9.2	13.8





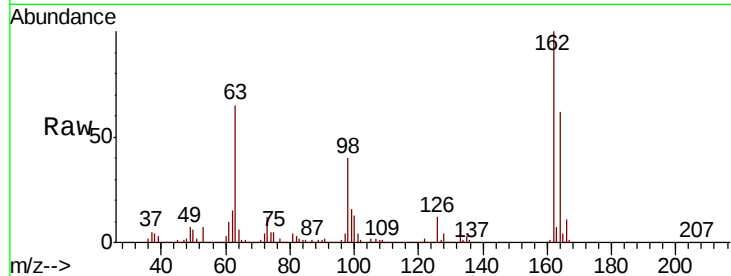
#29
2,4-Dichlorophenol
Concen: 39.275 ng
RT: 7.78 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

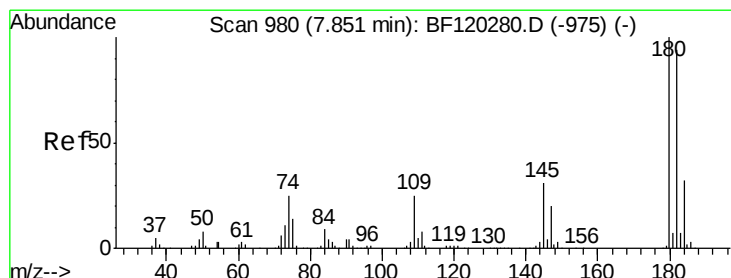
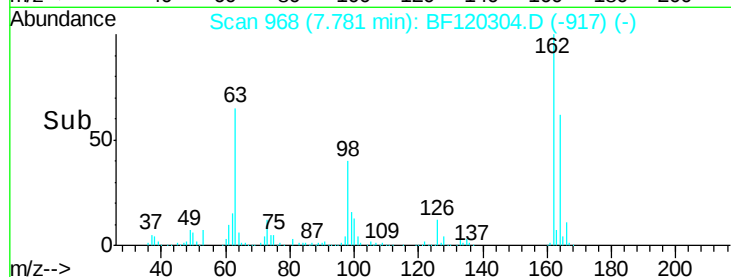
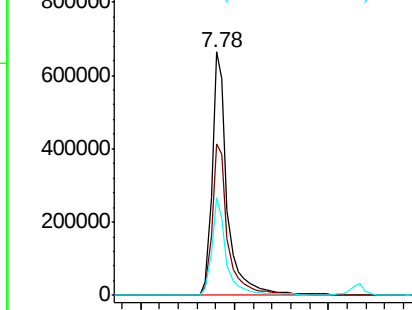
Tot Ion	Ratio	Resp	Lower	Upper
162	100	770524		
164	62.3		44.9	84.9
98	40.0		20.7	60.7

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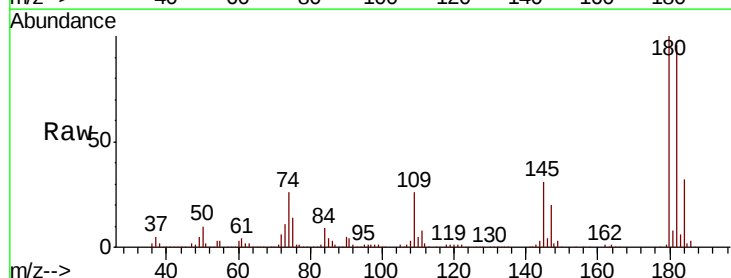


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

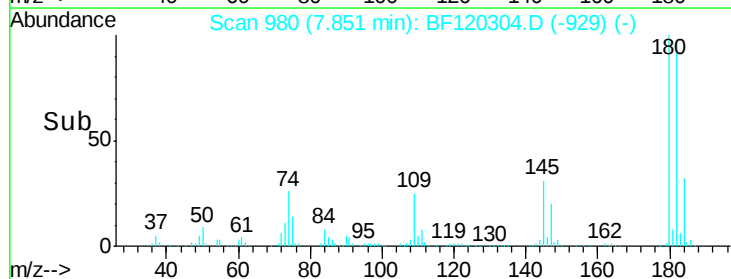
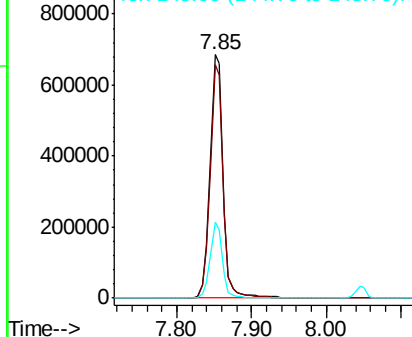


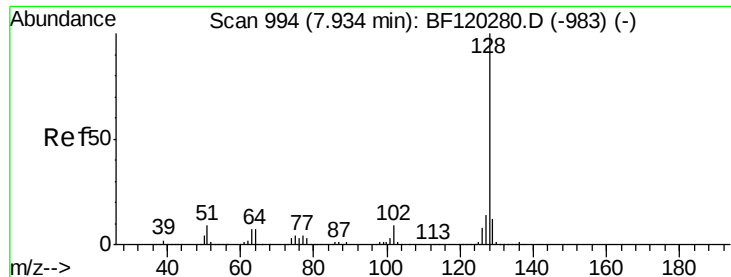
#30
1,2,4-Trichlorobenzene
Concen: 37.922 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	824459		
182	95.9		75.3	112.9
145	31.1		24.9	37.3



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





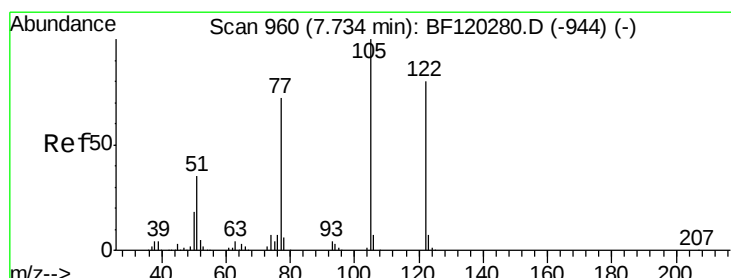
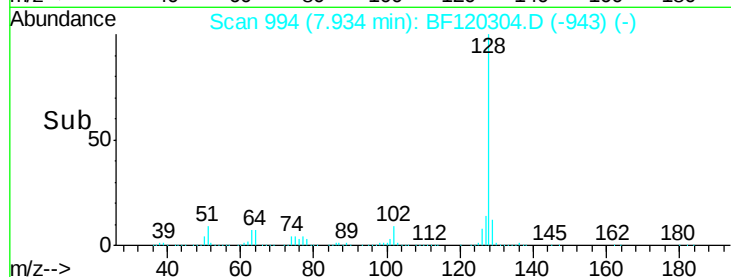
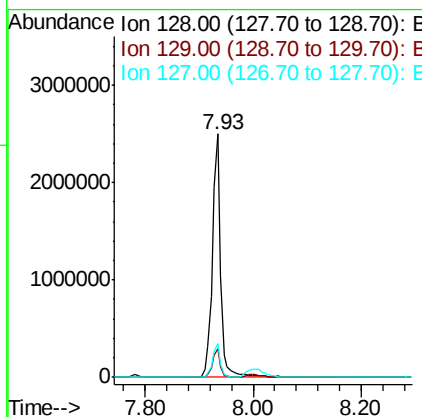
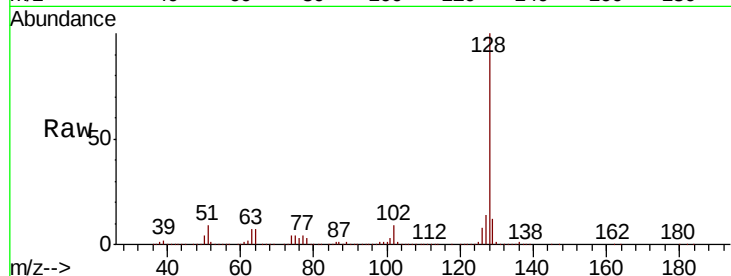
#31
Naphthalene
Concen: 39.396 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.7	11.2	16.8

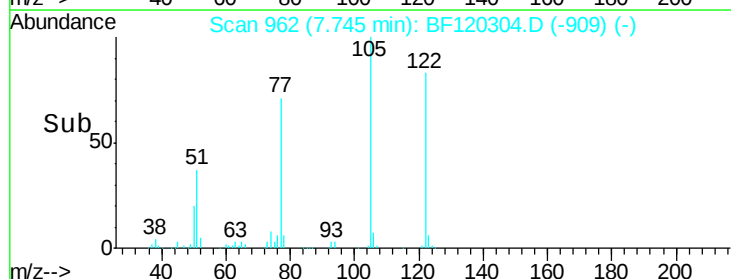
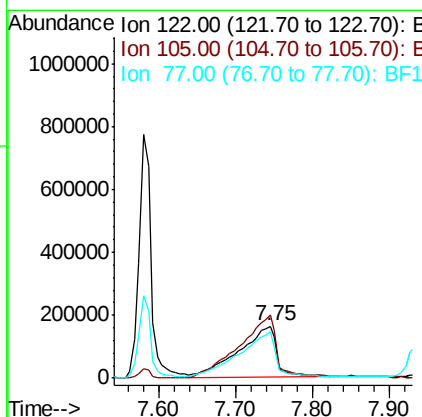
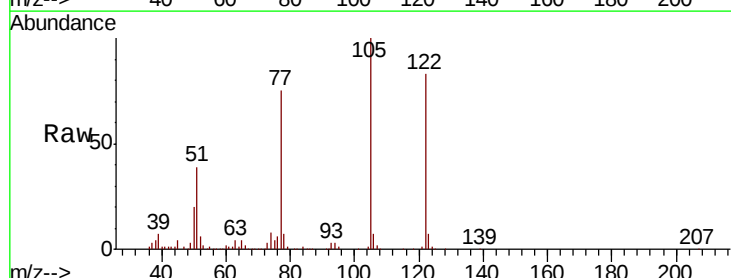
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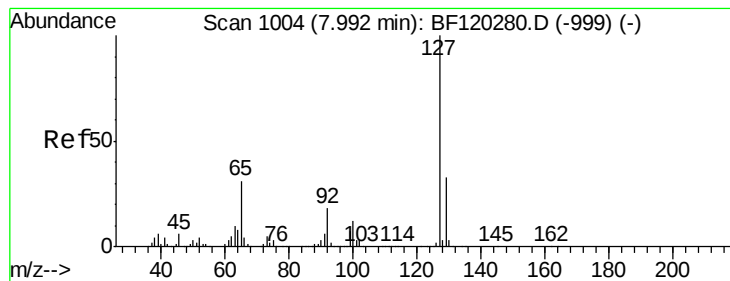
mohammad
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#32
Benzoic acid
Concen: 44.291 ng
RT: 7.75 min Scan# 962
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.9	98.1	138.1
77	90.7	66.7	106.7





#33

4-Chloroaniline

Concen: 6.797 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.01 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

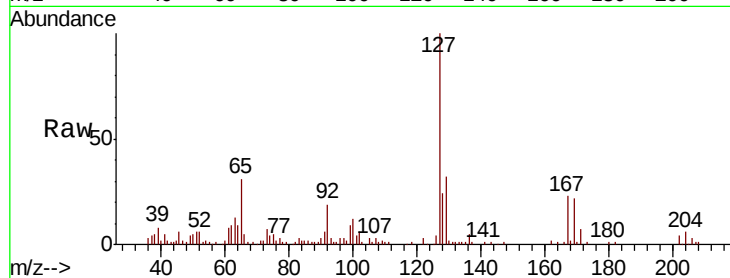
ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.4	39.6
65	31.4	24.8	37.2
92	19.0	14.5	21.7

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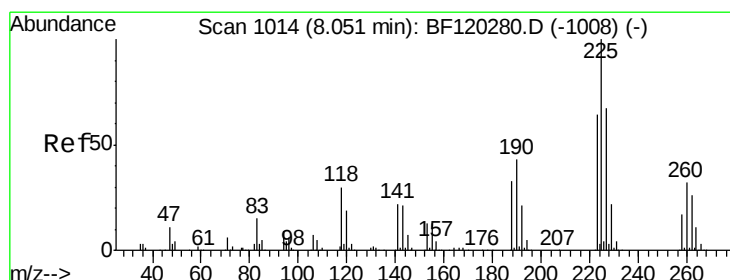
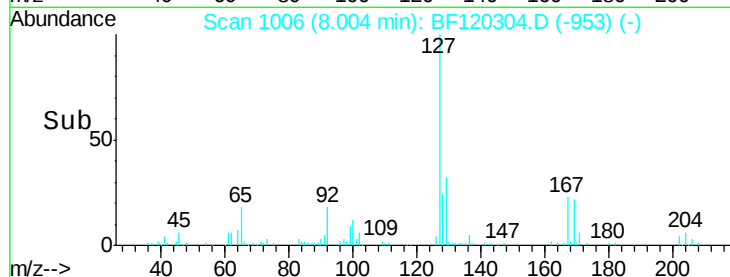
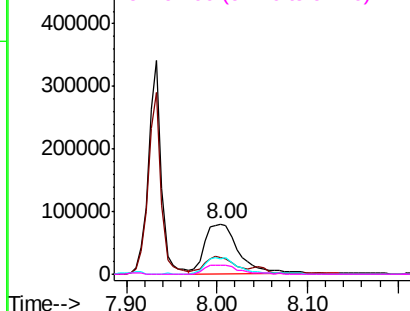
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 36.314 ng

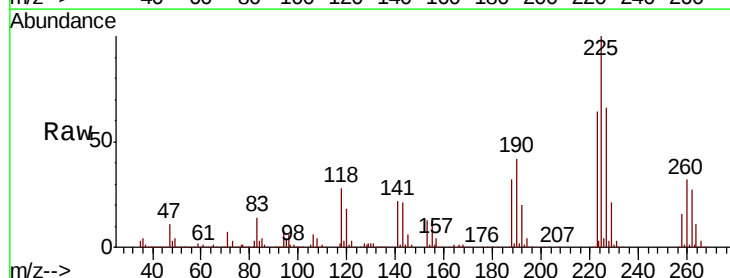
RT: 8.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.4	77.0
227	66.2	54.0	81.0

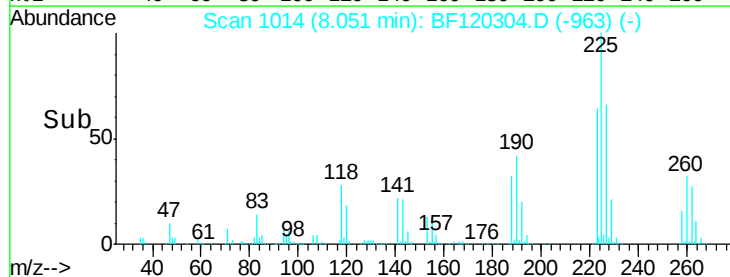
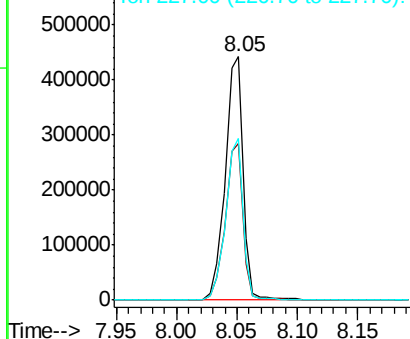


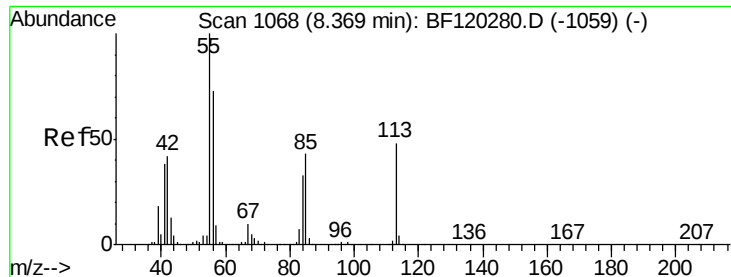
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 37.900 ng/mL

RT: 8.37 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

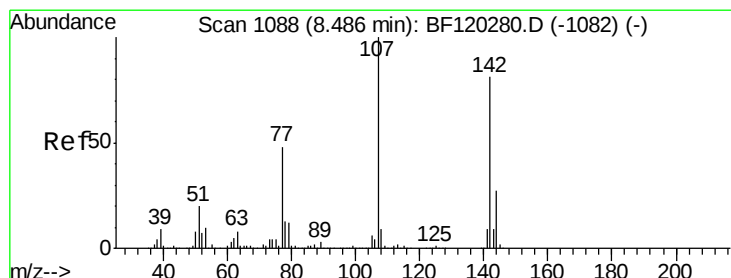
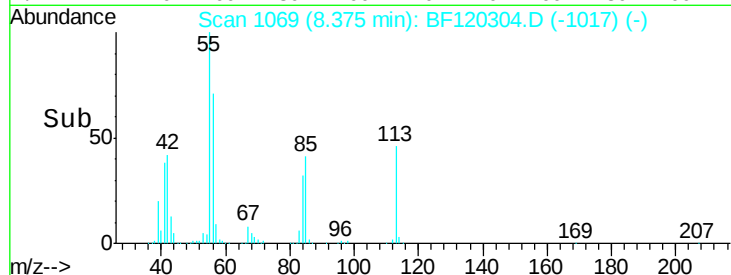
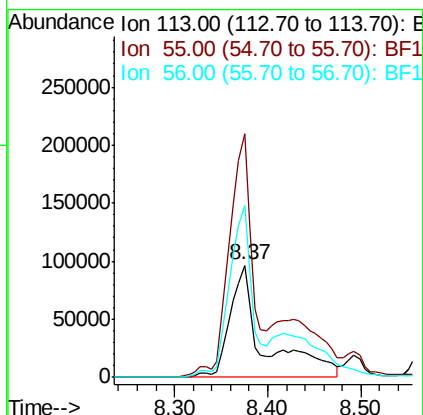
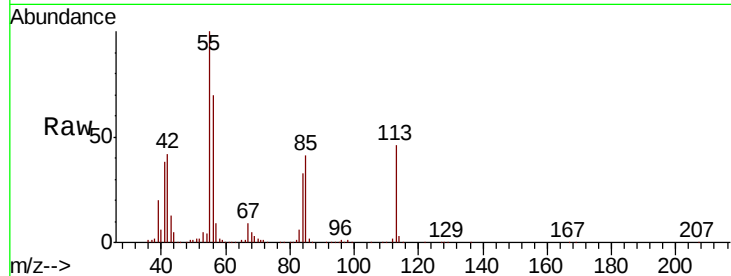
ClientSampleID :

ROLL-OFF-P72-11933MSD

Tot Ion:	113	Resp:	243256
Ion Ratio	Lower	Upper	
113	100		
55	217.6	190.4	230.4
56	153.4	132.7	172.7

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#36

4-Chloro-3-methylphenol

Concen: 37.618 ng/mL

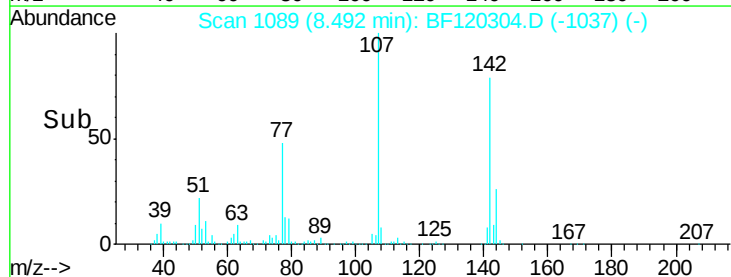
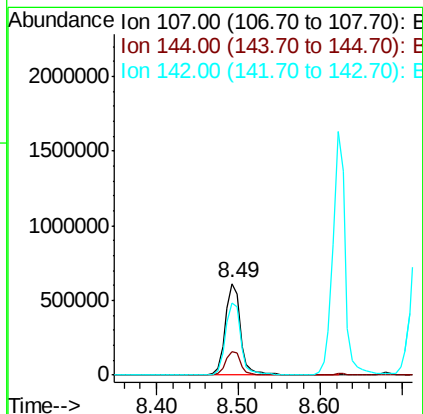
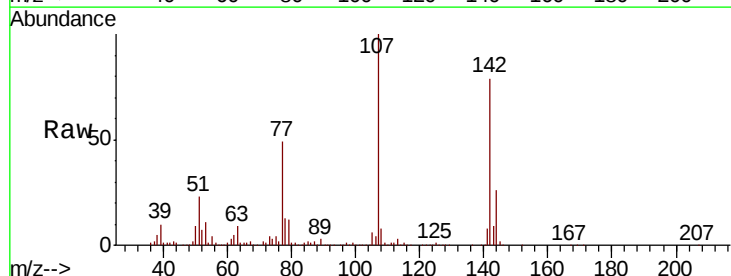
RT: 8.49 min Scan# 1089

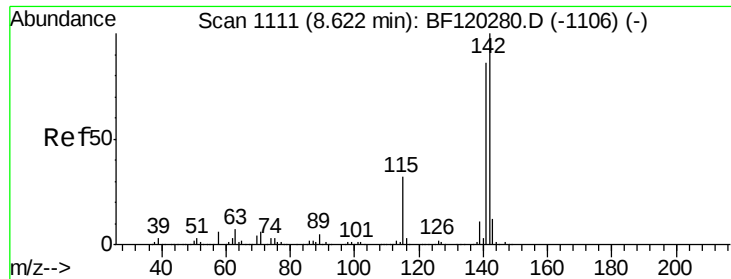
Delta R.T. 0.01 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tgt Ion:	107	Resp:	798379
Ion Ratio	Lower	Upper	
107	100		
144	25.6	21.4	32.2
142	79.4	65.1	97.7





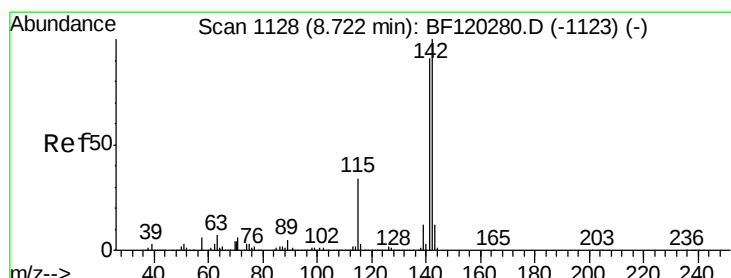
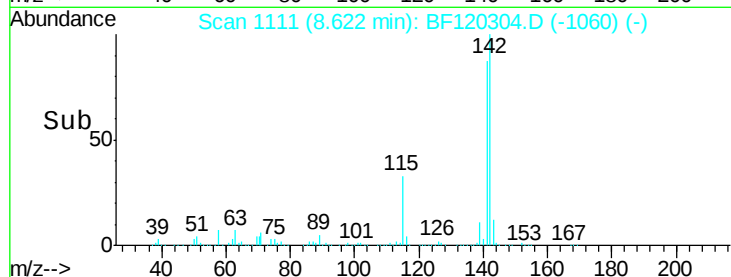
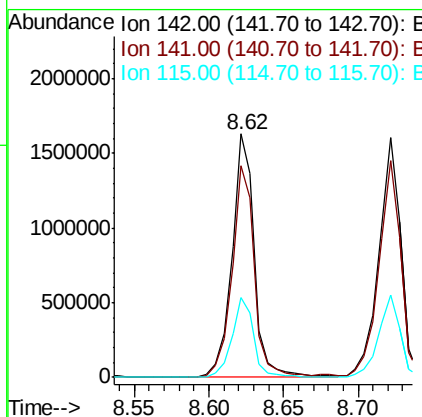
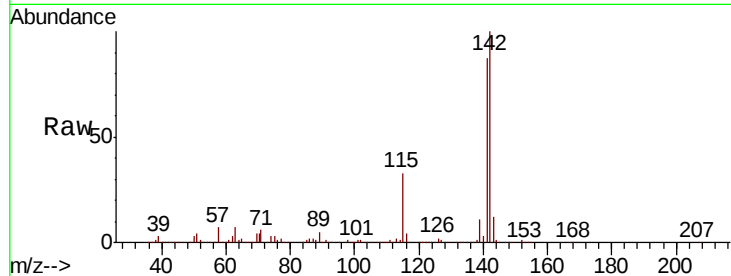
#37
2-Methylnaphthalene
Concen: 37.209 ng
RT: 8.62 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	68.8	103.2
115	32.9	25.7	38.5

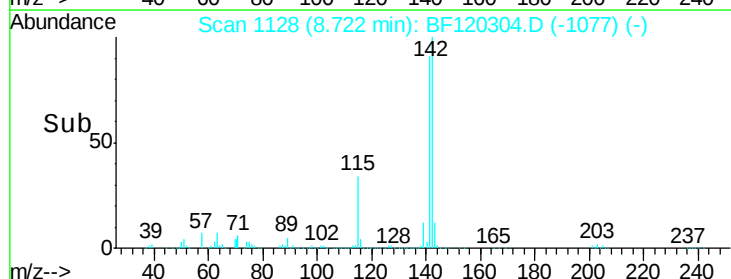
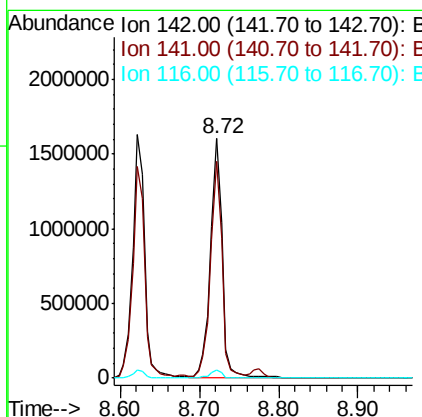
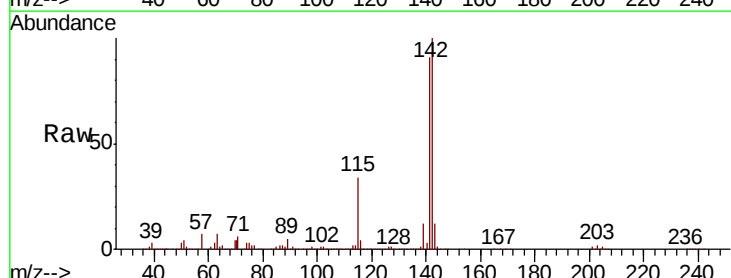
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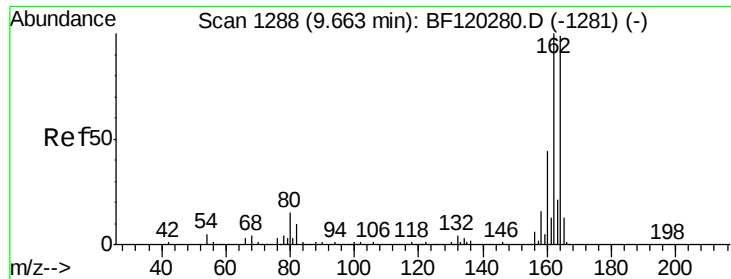
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#38
1-Methylnaphthalene
Concen: 37.199 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.0	109.6
116	3.5	2.7	4.1





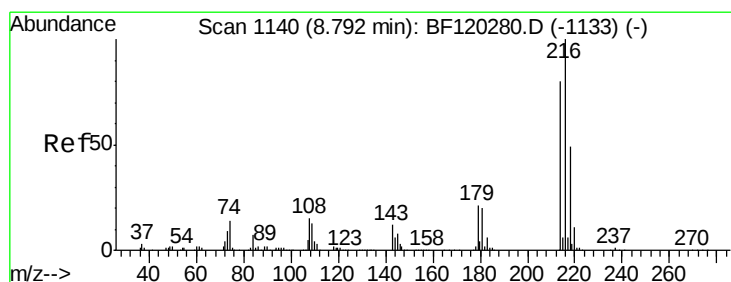
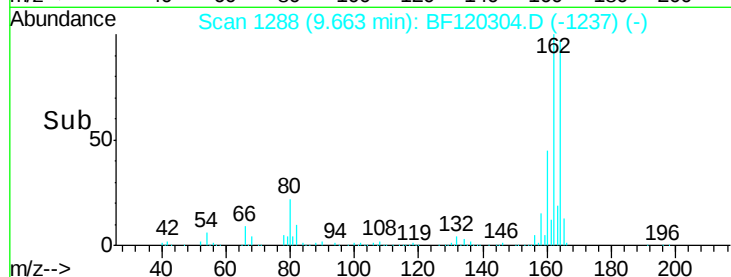
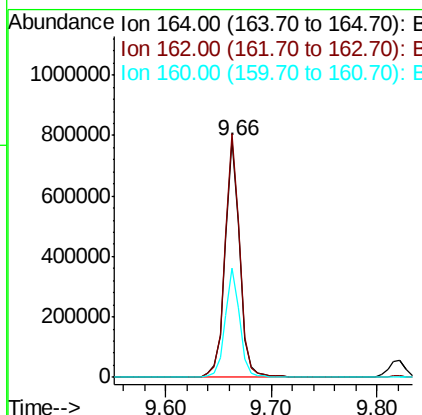
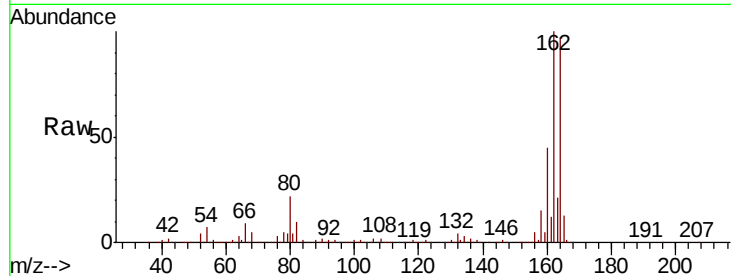
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.66 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.2	121.8
160	45.9	35.8	53.6

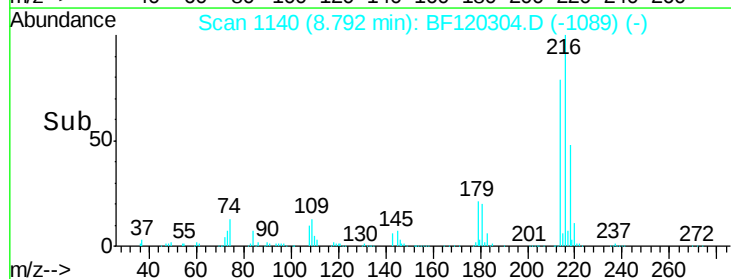
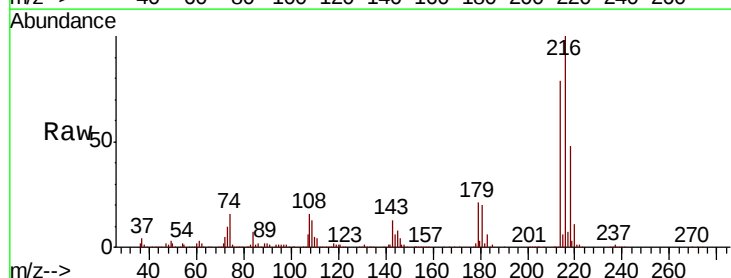
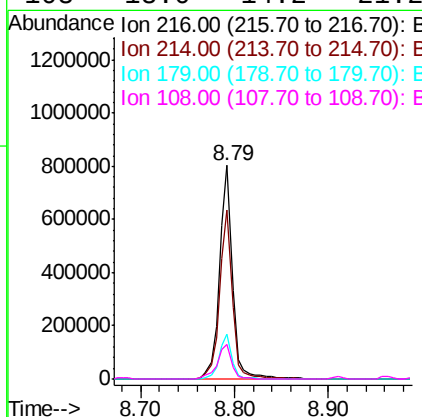
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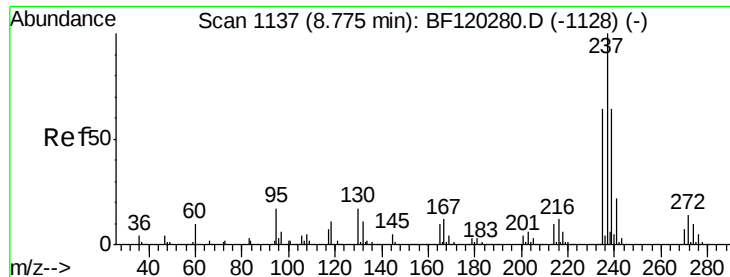
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.371 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.1	64.0	96.0
179	21.0	16.9	25.3
108	18.0	14.2	21.2





#41

Hexachlorocyclopentadiene

Concen: 55.431 ng

RT: 8.77 min Scan# 1137

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

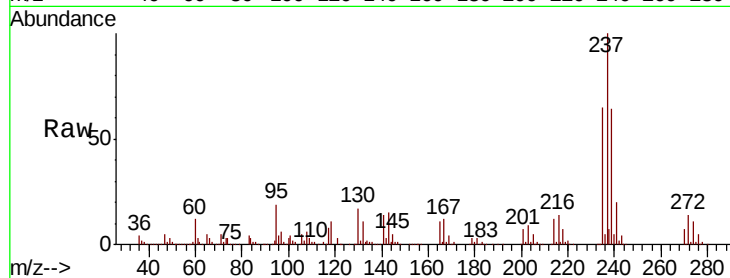
ClientSampleId :

ROLL-OFF-P72-11933MSD

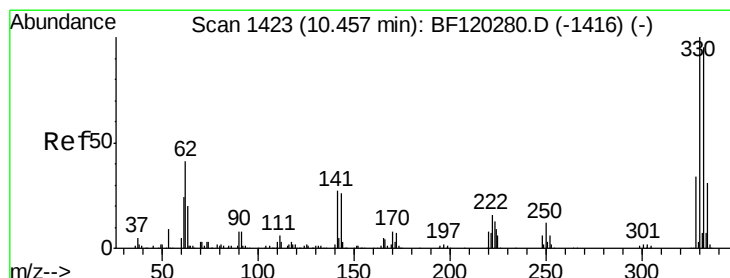
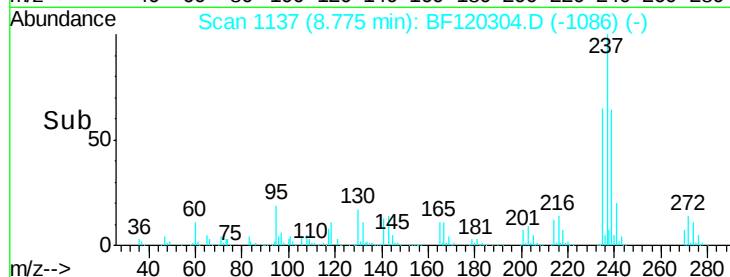
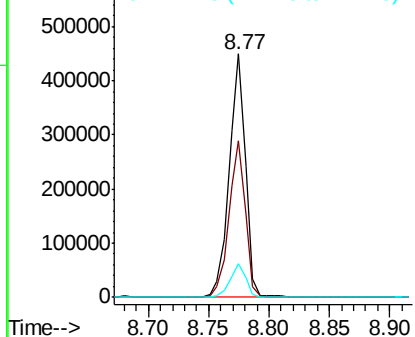
Tot Ion:	237	Resp:	421478
Ion Ratio		Lower	Upper
237	100		
235	64.6	43.8	83.8
272	13.7	0.0	33.9

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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: 104.653 ng

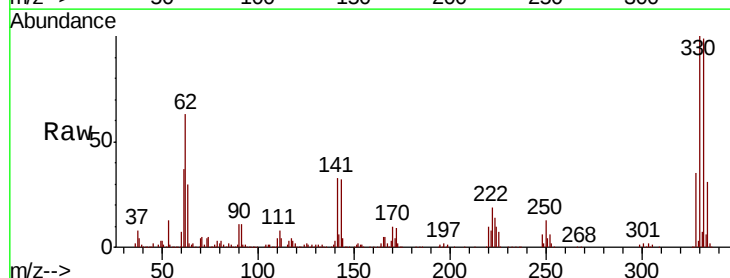
RT: 10.46 min Scan# 1423

Delta R.T. 0.00 min

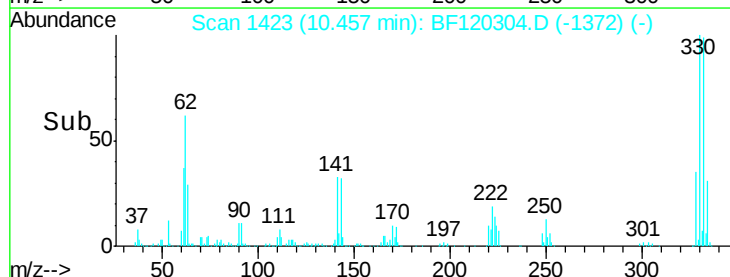
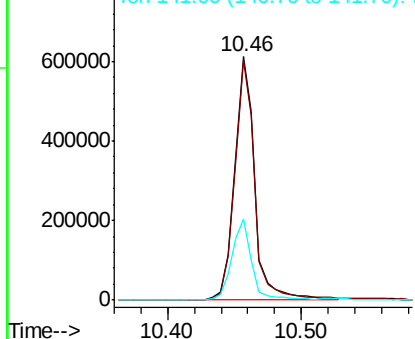
Lab File: BF120304.D

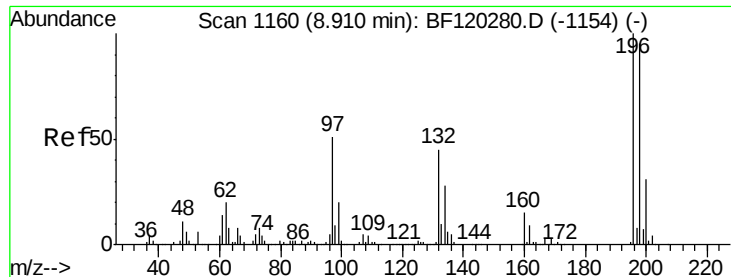
Acq: 14 May 2020 21:28

Tgt Ion:	330	Resp:	649779
Ion Ratio		Lower	Upper
330	100		
332	99.7	76.5	114.7
141	32.2	25.4	38.0



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





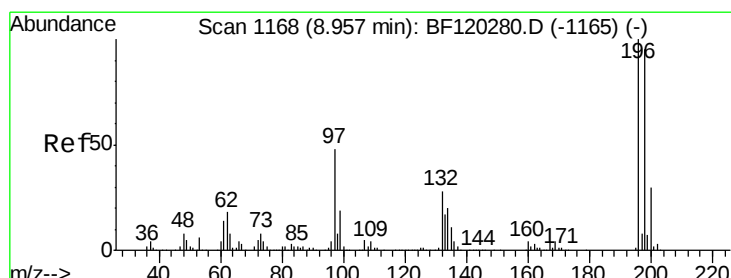
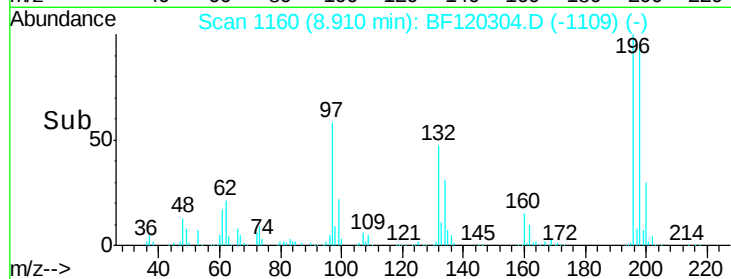
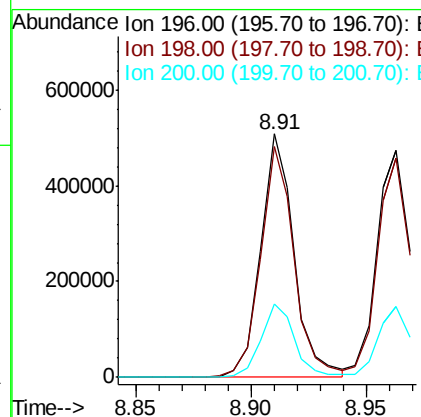
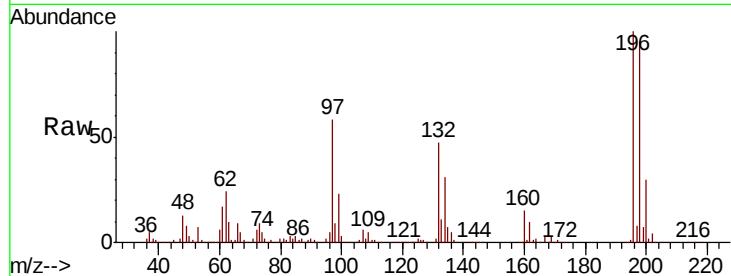
#43
 2,4,6-Trichlorophenol
 Concen: 39.784 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF120304.D
 Acq: 14 May 2020 21:28

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	512777		
198	95.0	76.2	114.4	
200	30.0	24.9	37.3	

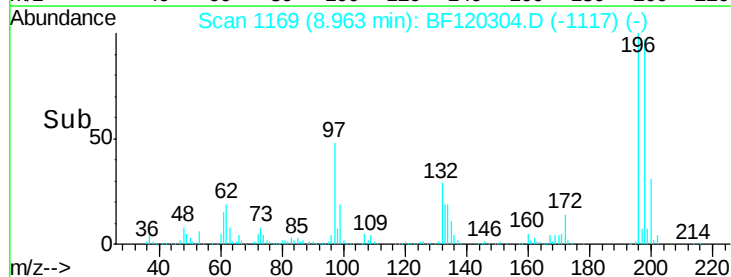
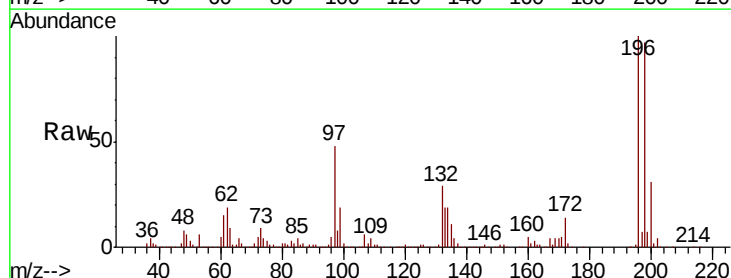
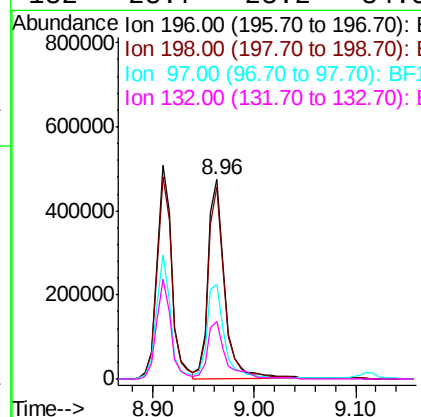
Manual Integrations
 APPROVED

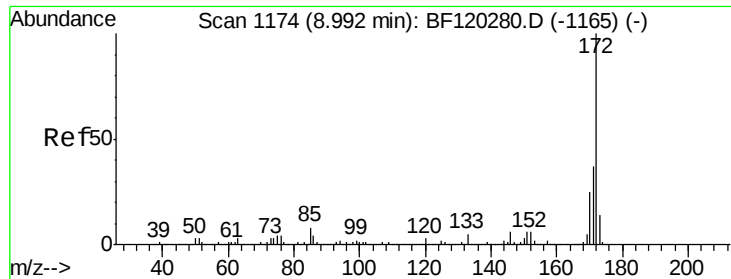
mohammad
 5/18/2020 1:32:12 PM



#44
 2,4,5-Trichlorophenol
 Concen: 36.527 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: BF120304.D
 Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	540665		
198	96.5	76.2	114.4	
97	47.7	38.6	57.8	
132	28.7	23.2	34.8	





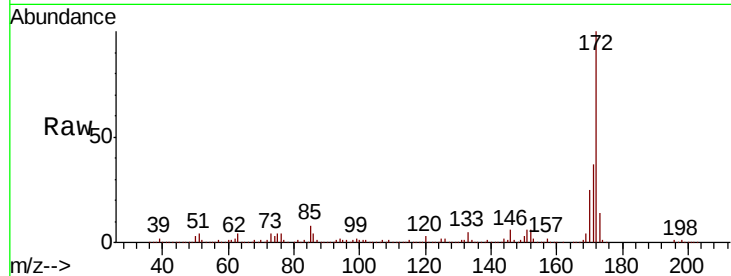
#45
2-Fluorobiphenyl
Concen: 85.777 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.8	19.9	29.9

Manual Integrations
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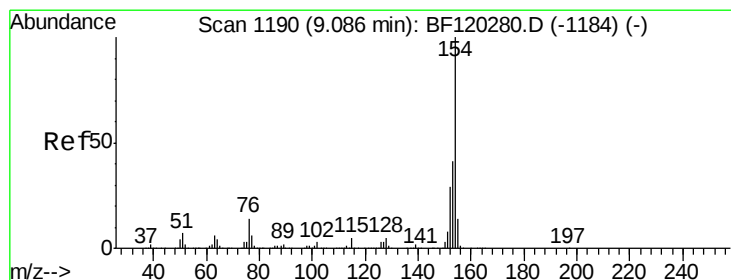
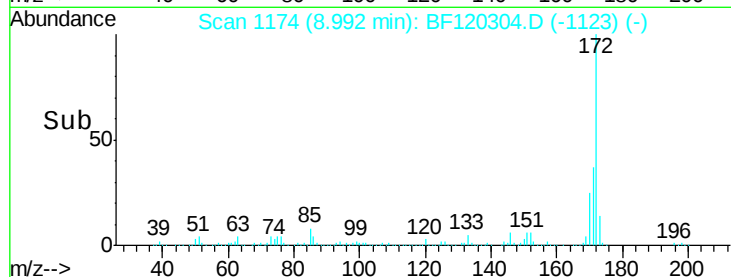
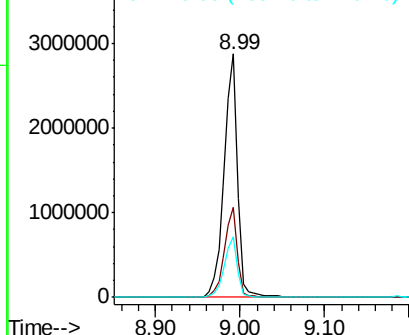


Abundance

Ion 172.00 (171.70 to 172.70): E

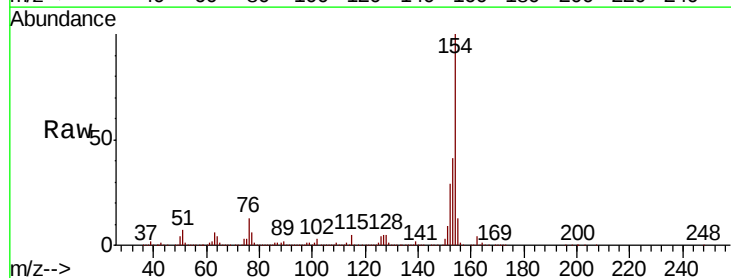
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 41.092 ng
RT: 9.09 min Scan# 1191
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.8	60.8
76	13.2	0.0	34.3

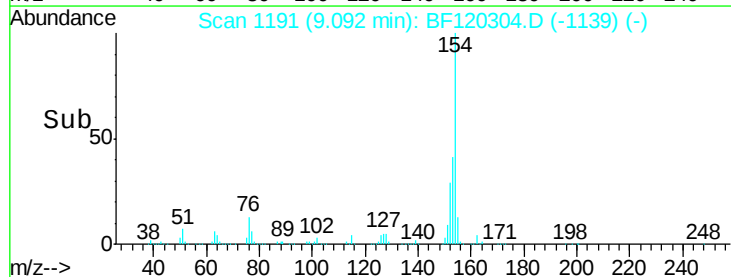
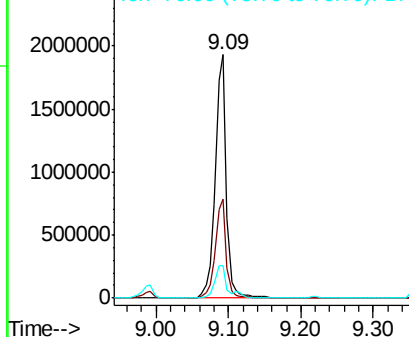


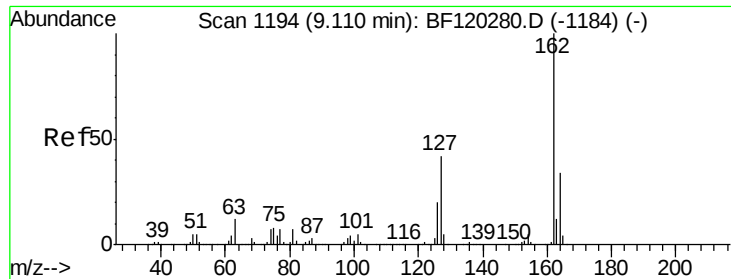
Abundance

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





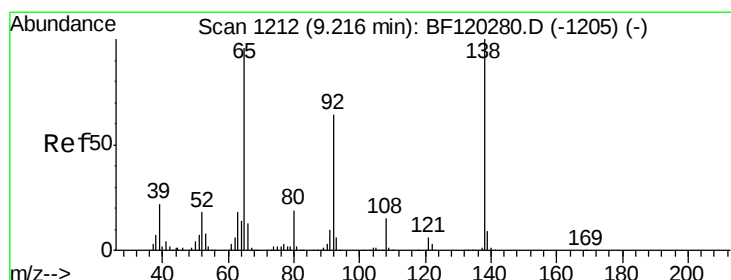
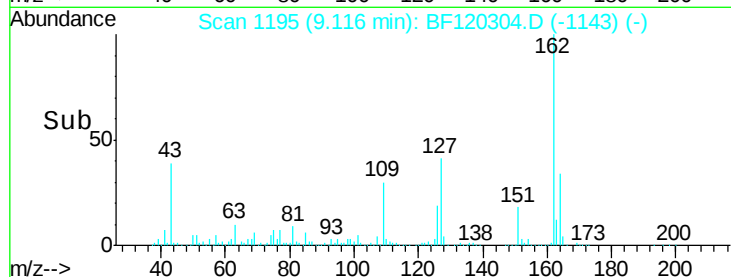
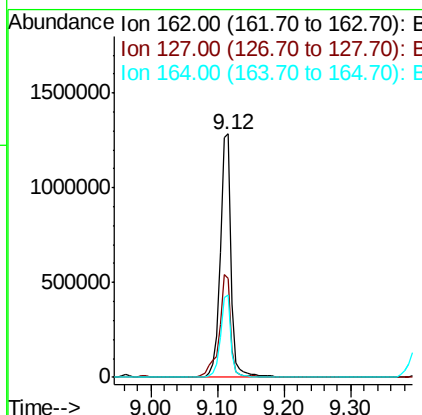
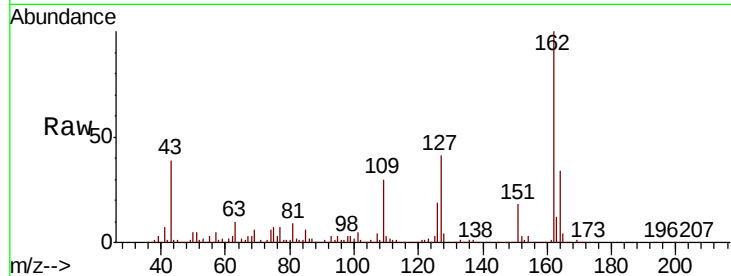
#47
 2-Chloronaphthalene
 Concen: 36.866 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: BF120304.D
 Acq: 14 May 2020 21:28

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.7	33.4	50.0
164	33.8	27.0	40.6

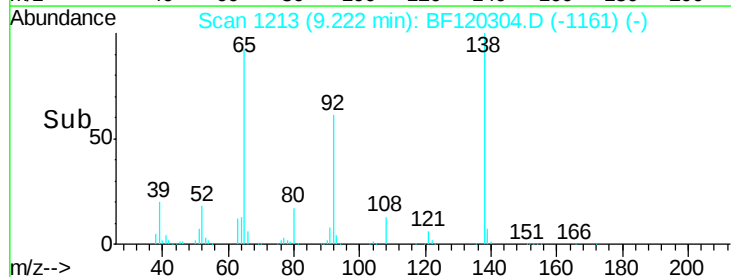
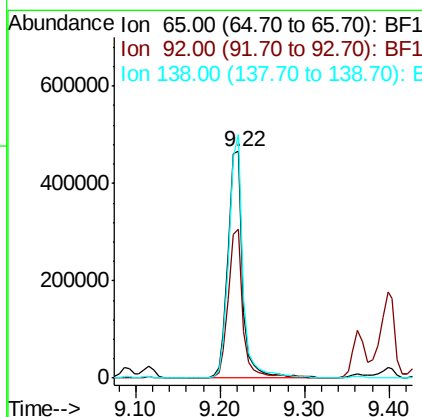
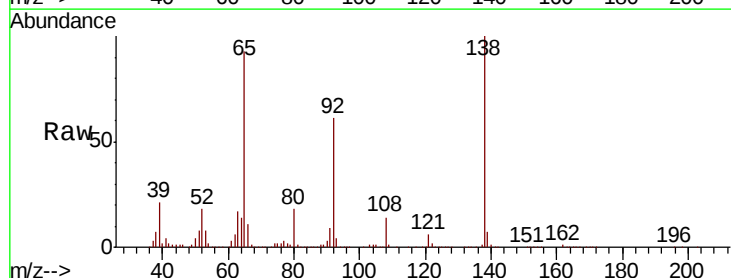
Manual Integrations
 APPROVED

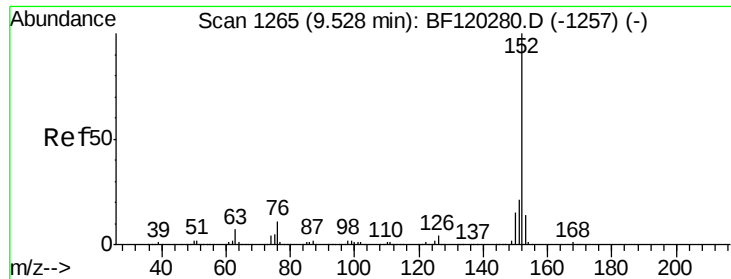
mohammad
 5/18/2020 1:32:12 PM



#48
 2-Nitroaniline
 Concen: 38.401 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.01 min
 Lab File: BF120304.D
 Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.8	52.9	79.3
138	107.4	83.0	124.4





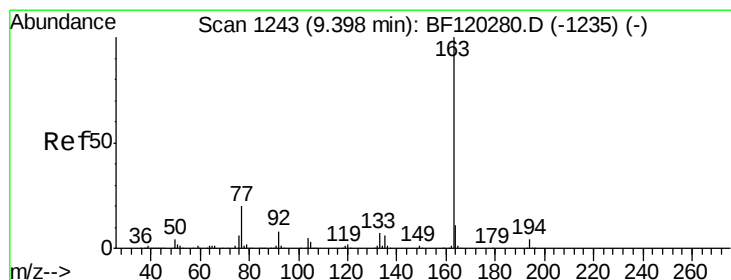
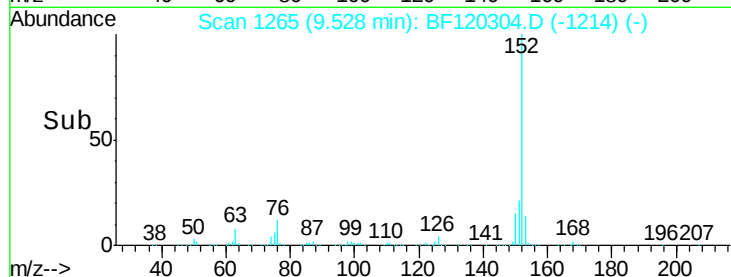
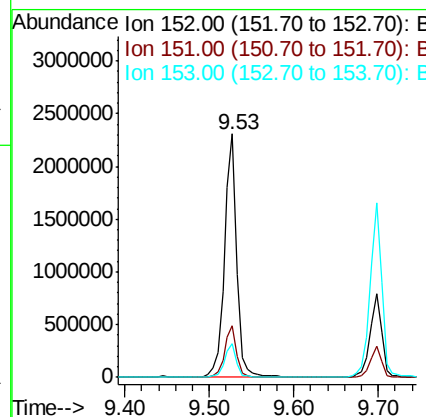
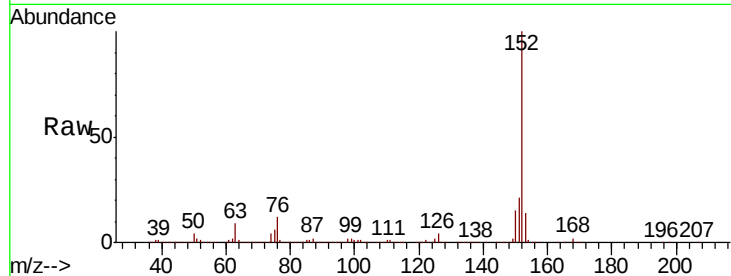
#49
Acenaphthylene
Concen: 38.657 ng
RT: 9.53 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.6	25.0
153	13.8	11.1	16.7

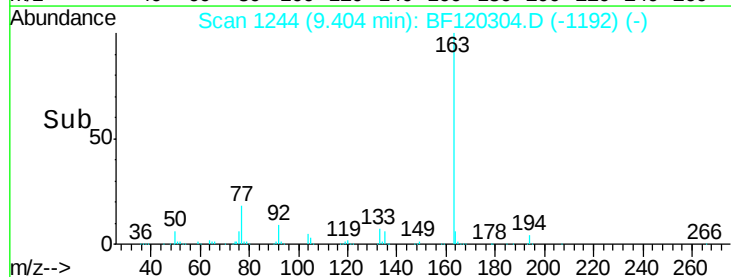
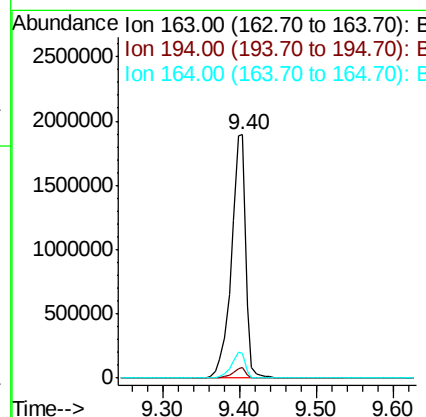
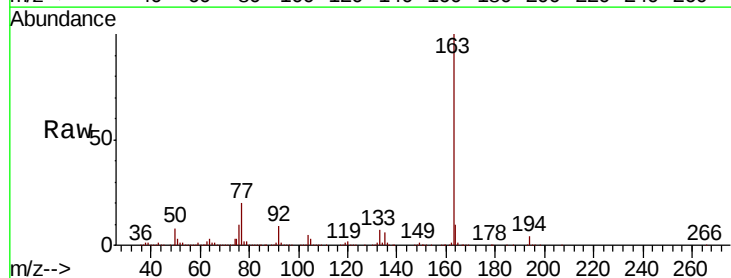
Manual Integrations
APPROVED

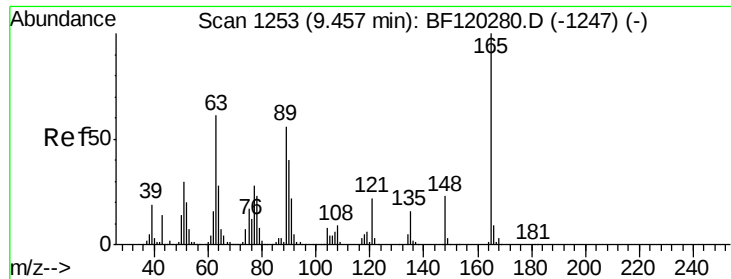
mohammad
5/18/2020 1:32:12 PM



#50
Dimethylphthalate
Concen: 51.050 ng
RT: 9.40 min Scan# 1244
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	10.2	8.6	12.8





#51

2,6-Dinitrotoluene

Concen: 38.100 ng

RT: 9.46 min Scan# 1254

Delta R.T. 0.01 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion:165 Resp: 409342

Ion Ratio Lower Upper

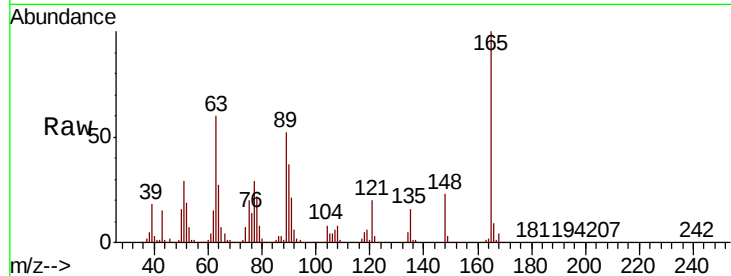
165 100

63 60.1 50.2 75.2

89 52.1 44.6 66.8

Manual Integrations
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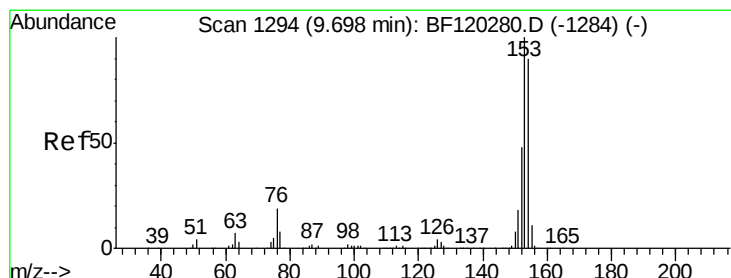
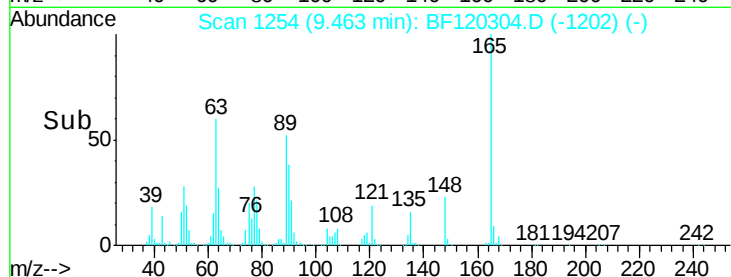
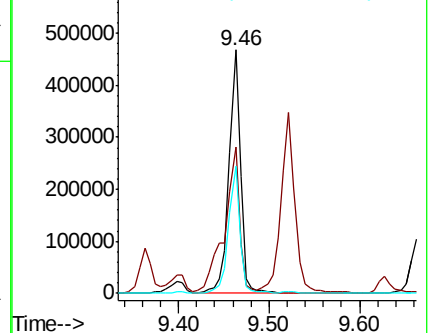
mohammad
5/18/2020 1:32:12 PM



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: 37.890 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

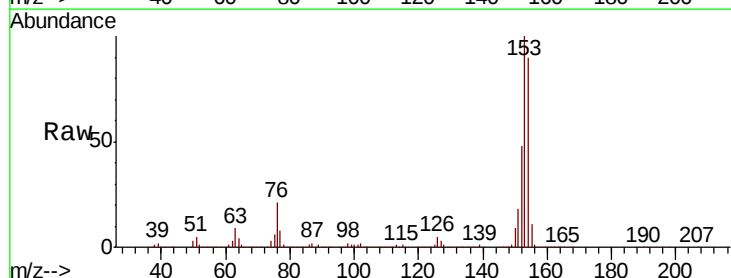
Tgt Ion:154 Resp: 1388508

Ion Ratio Lower Upper

154 100

153 111.7 89.0 133.4

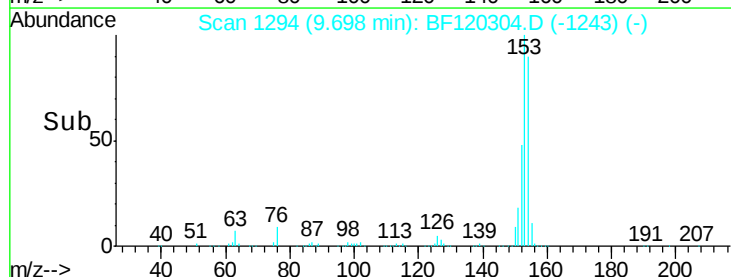
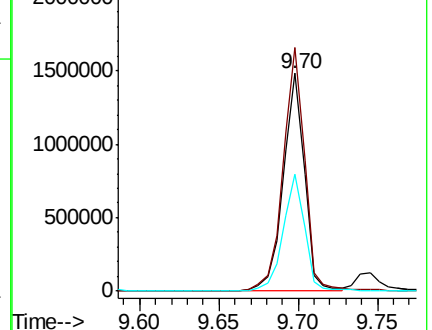
152 53.6 42.6 64.0

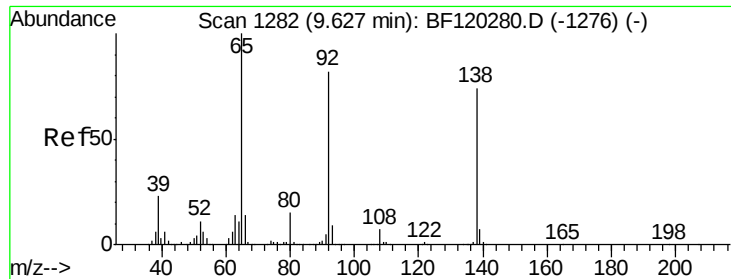


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





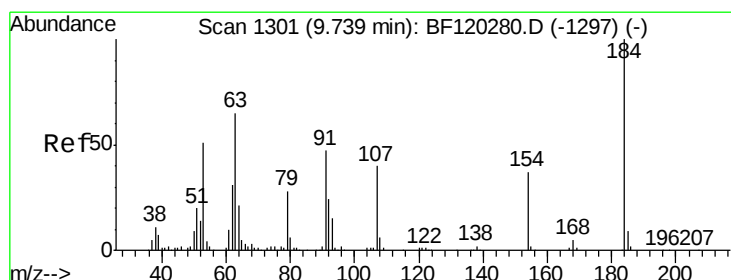
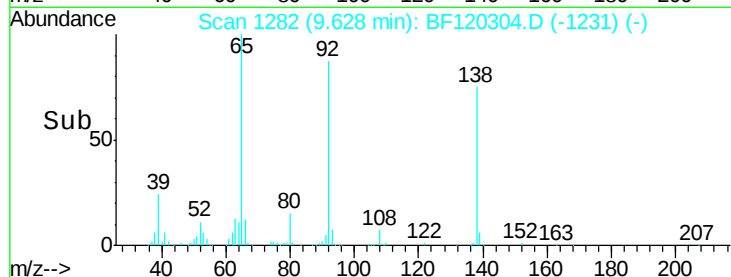
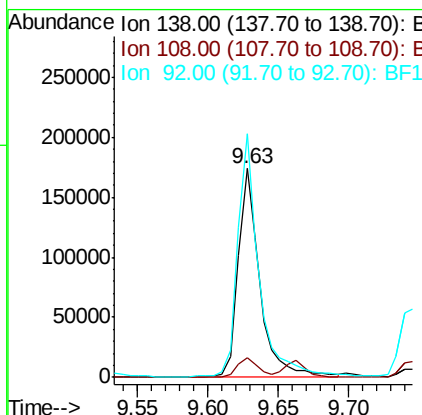
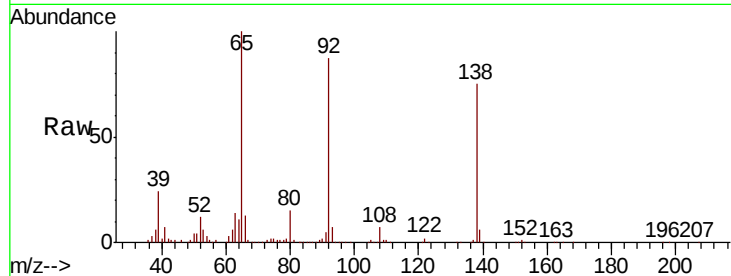
#53
3-Nitroaniline
Concen: 14.615 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.2	12.2
92	116.5	89.6	134.4

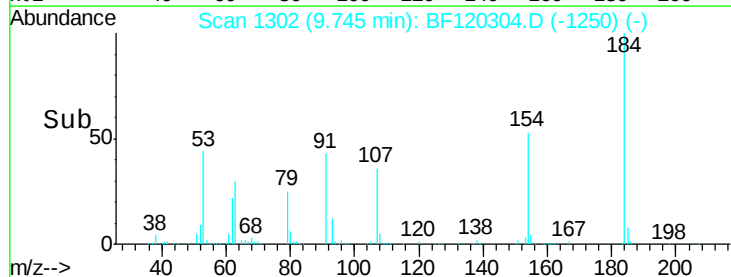
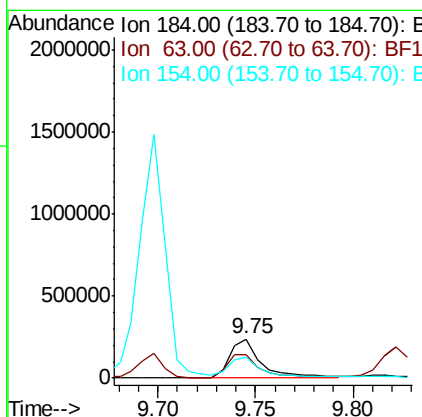
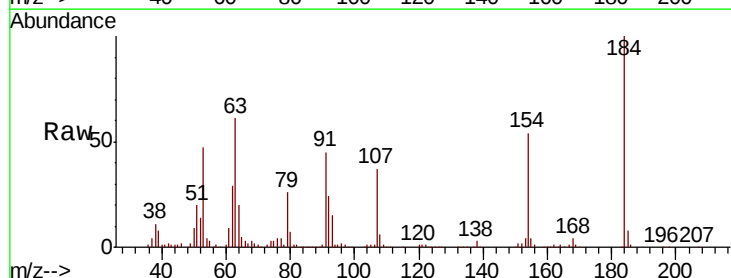
Manual Integrations
APPROVED

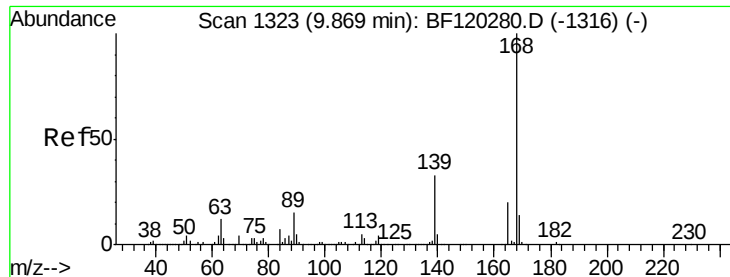
mohammad
5/18/2020 1:32:12 PM



#54
2,4-Dinitrophenol
Concen: 53.359 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.1	53.6	80.4
154	53.7	46.8	70.2





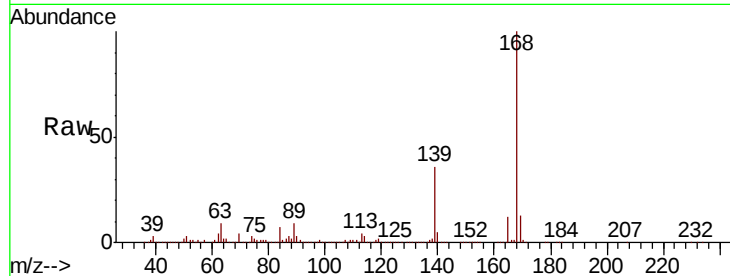
#55
Dibenzofuran
Concen: 38.010 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.8	29.8	44.6
169	13.3	11.0	16.6

Manual Integrations
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5/18/2020 1:32:12 PM

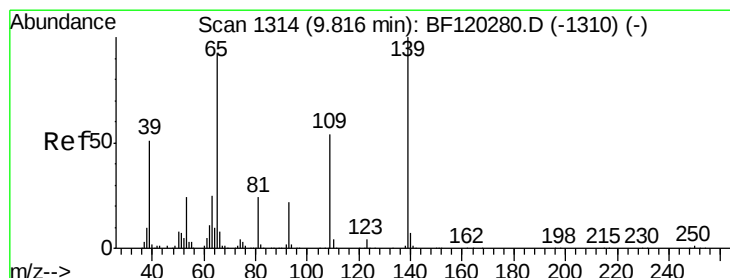
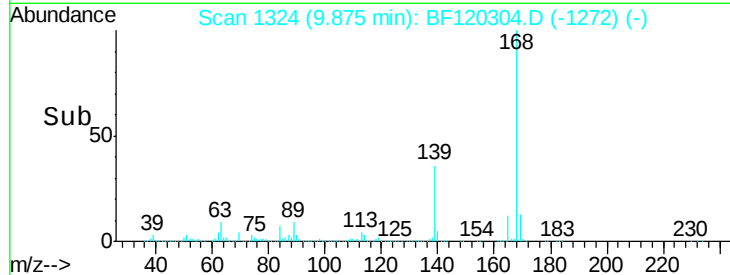
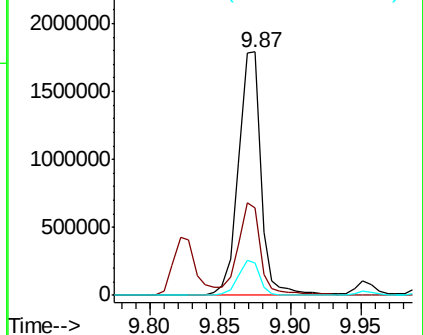


Abundance

Ion 168.00 (167.70 to 168.70): E

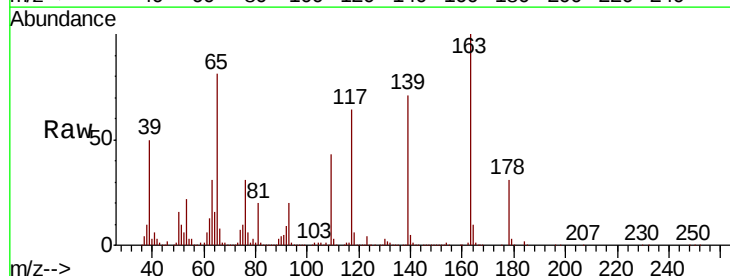
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 70.241 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
139	100		
109	60.7	34.6	74.6
65	114.2	73.3	113.3#

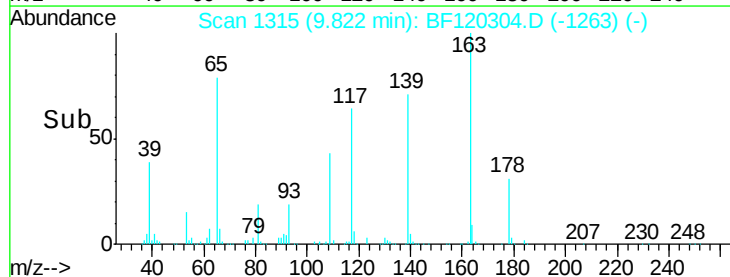
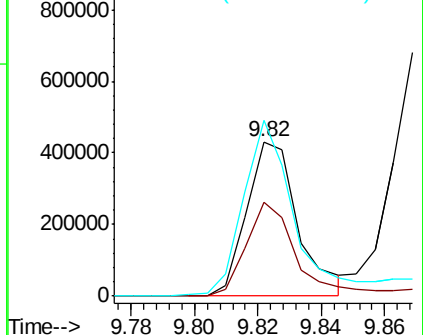


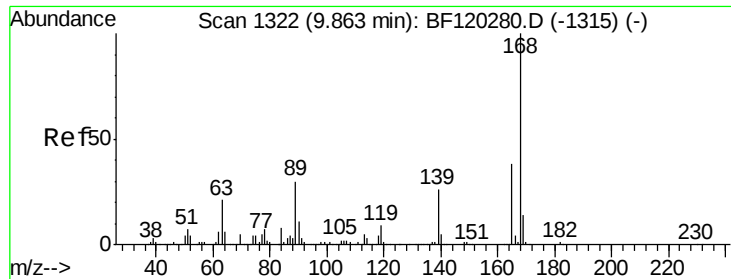
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





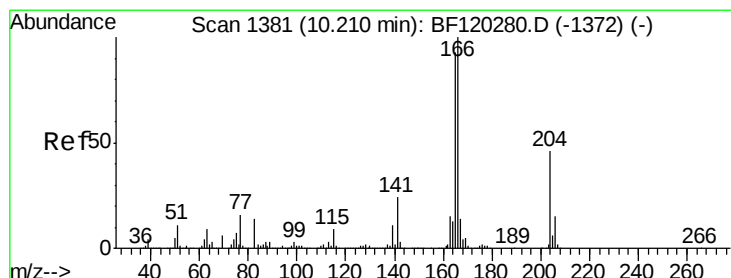
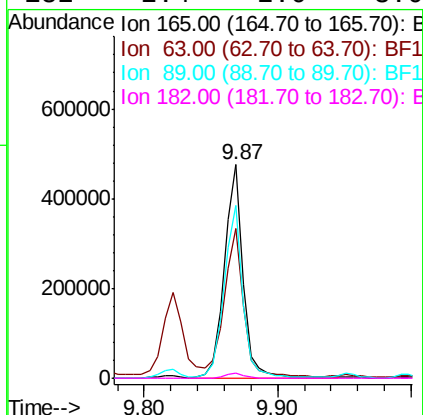
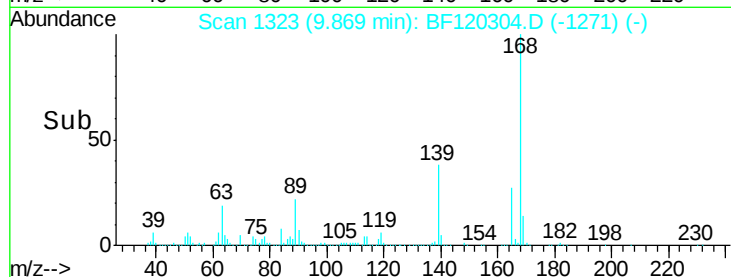
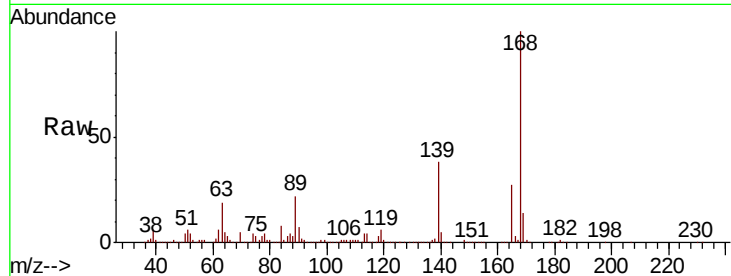
#57
2,4-Dinitrotoluene
Concen: 36.951 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	465703		
63	70.0	51.8	77.8	
89	80.7	64.2	96.4	
182	2.4	2.0	3.0	

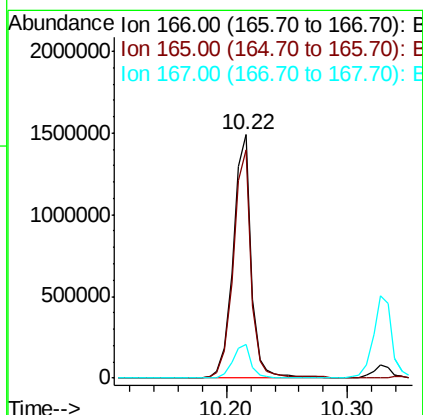
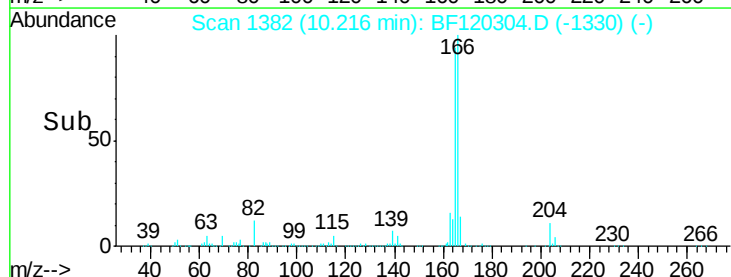
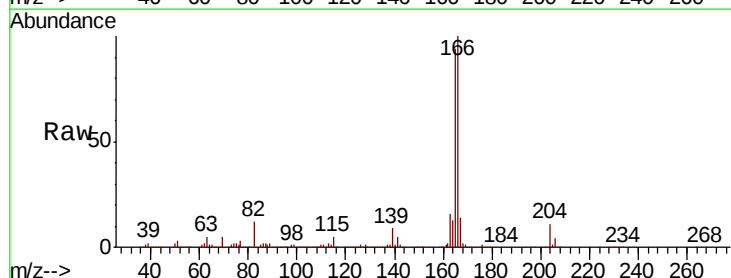
Manual Integrations
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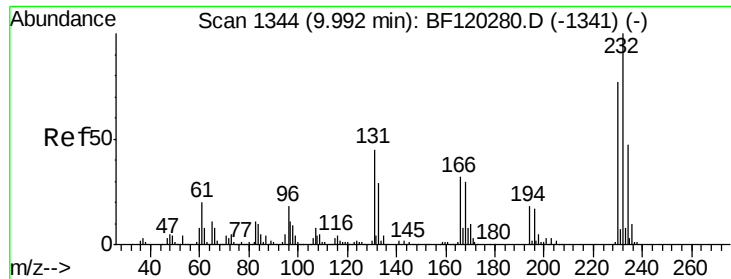
mohammad
5/18/2020 1:32:12 PM



#58
Fluorene
Concen: 38.674 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1554285		
165	94.0	74.7	112.1	
167	13.6	11.4	17.0	





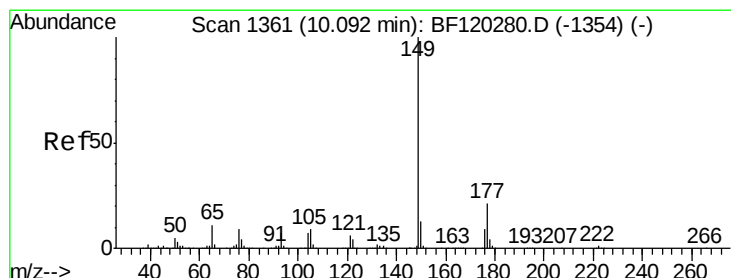
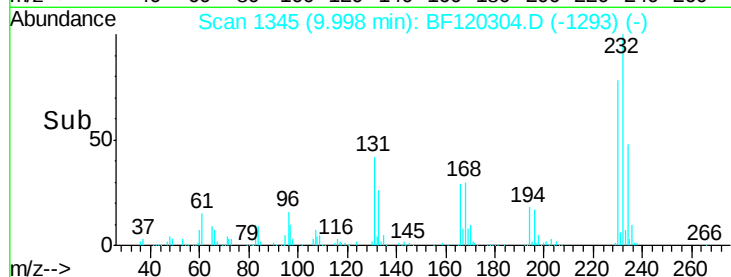
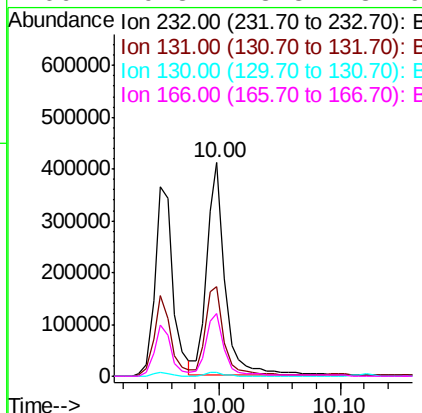
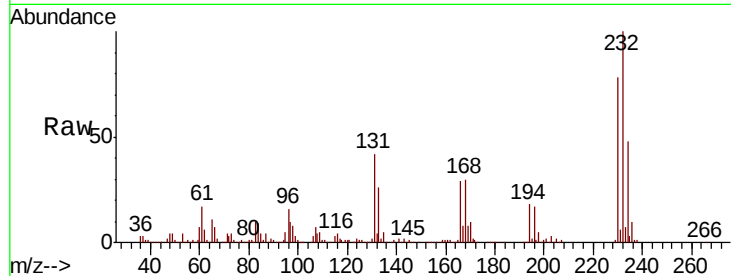
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 38.406 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: BF120304.D
 Acq: 14 May 2020 21:28

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	43.1	34.1	51.1
130	2.3	1.7	2.5
166	29.3	23.3	34.9

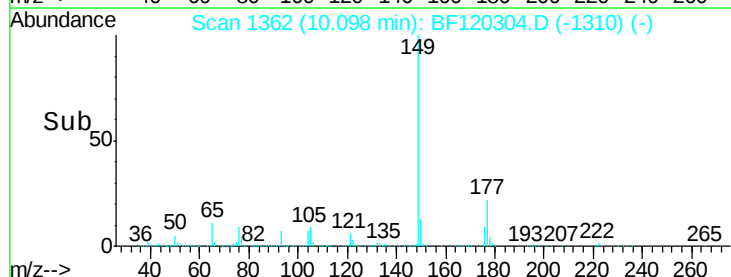
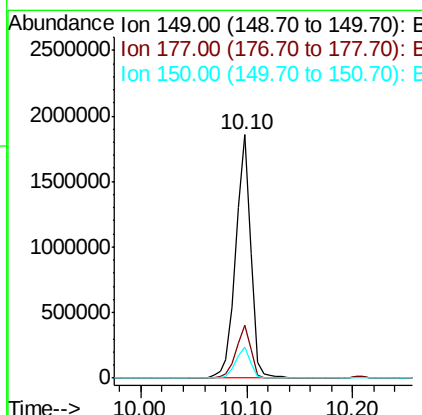
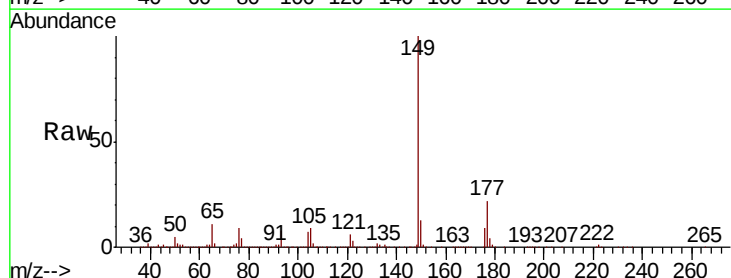
Manual Integrations
 APPROVED

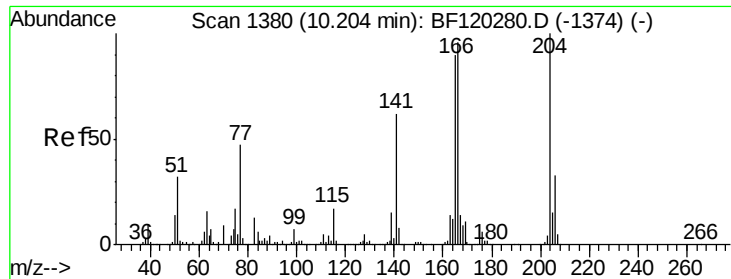
mohammad
 5/18/2020 1:32:12 PM



#60
 Diethylphthalate
 Concen: 38.786 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: BF120304.D
 Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.1	25.7
150	12.9	10.3	15.5





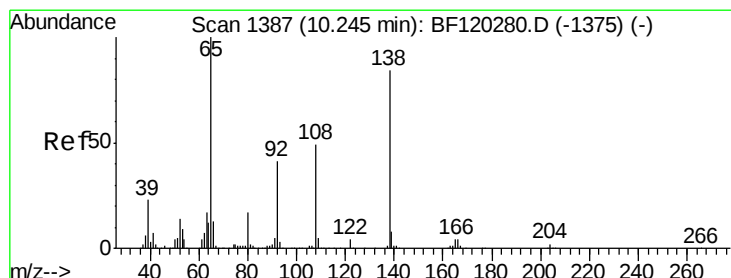
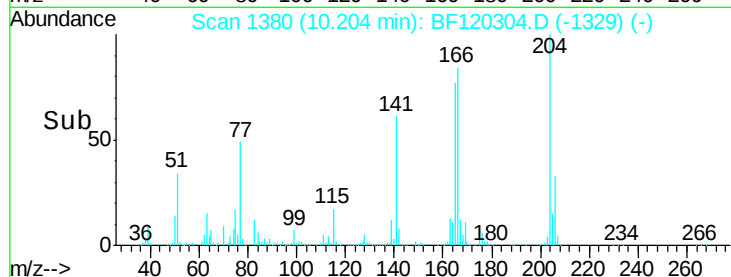
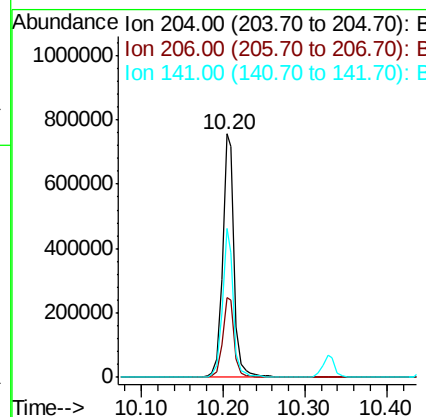
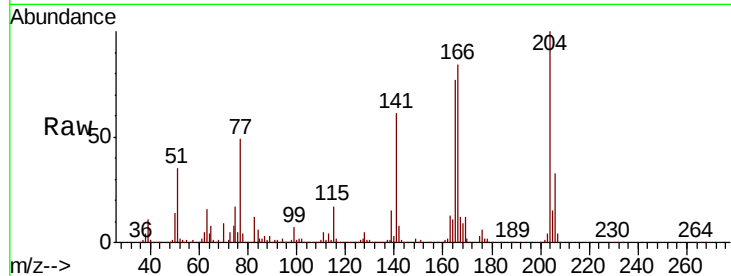
#61
 4-Chlorophenyl-phenylether
 Concen: 35.983 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: BF120304.D
 Acq: 14 May 2020 21:28

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-P72-11933MSD

Tot Ion:	204	Resp:	751875
Ion Ratio	Lower	Upper	
204	100		
206	33.0	26.8	40.2
141	61.1	49.5	74.3

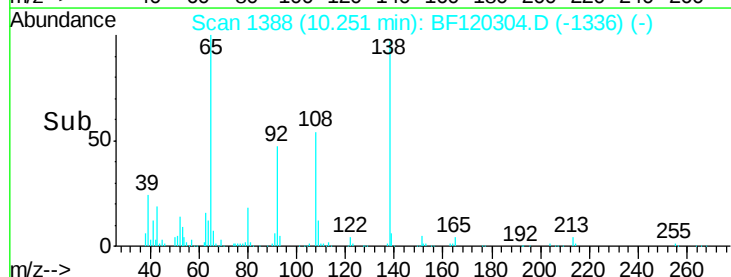
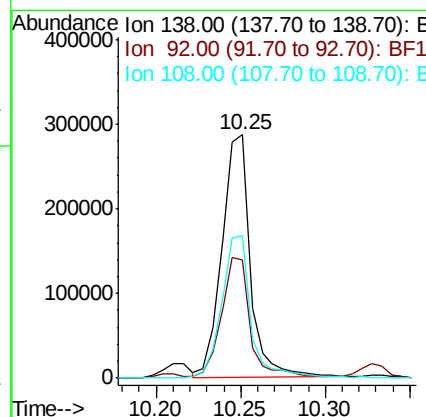
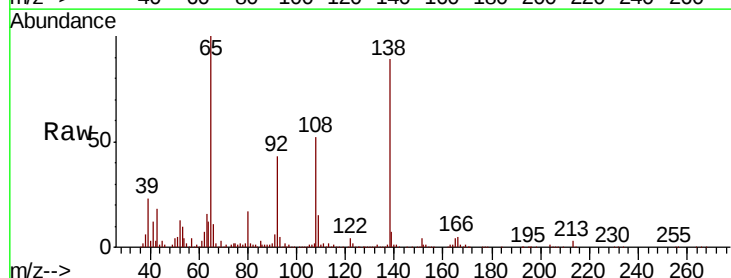
Manual Integrations
 APPROVED

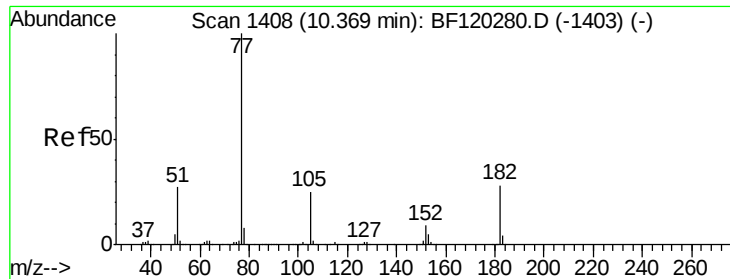
mohammad
 5/18/2020 1:32:12 PM



#62
 4-Nitroaniline
 Concen: 28.019 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. 0.01 min
 Lab File: BF120304.D
 Acq: 14 May 2020 21:28

Tgt Ion:	138	Resp:	334287
Ion Ratio	Lower	Upper	
138	100		
92	48.3	28.9	68.9
108	58.3	38.4	78.4





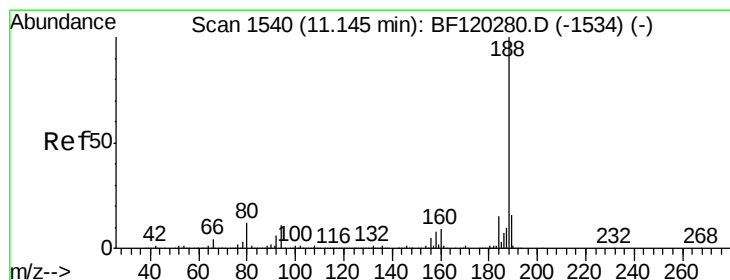
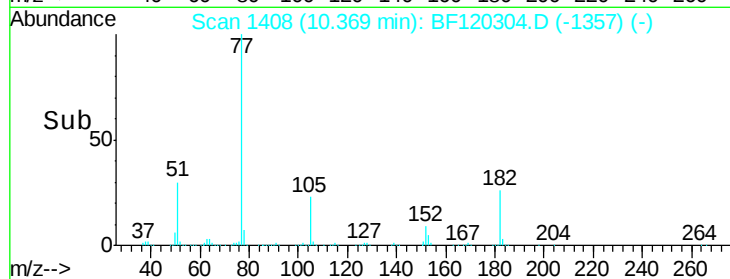
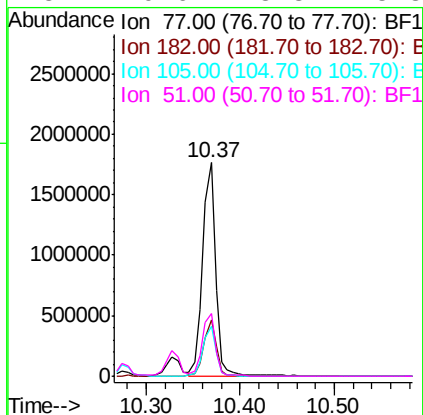
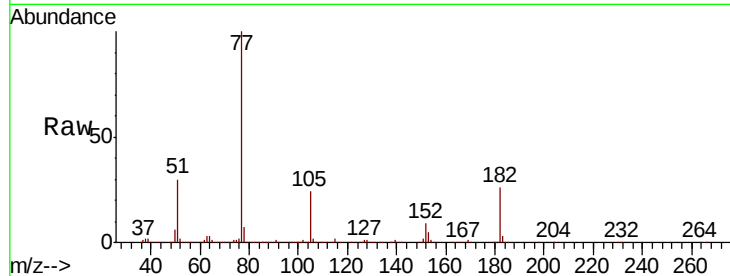
#63
Azobenzene
Concen: 38.870 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	26.2	7.4	47.4	
105	23.5	4.4	44.4	
51	29.6	8.3	48.3	

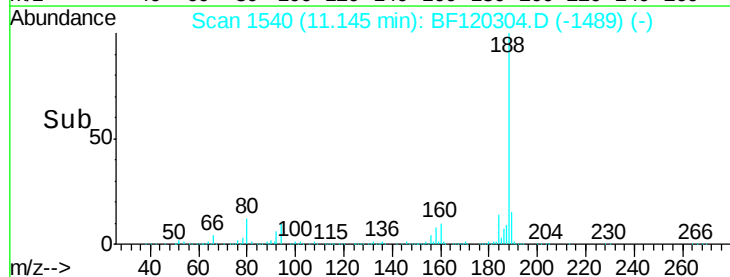
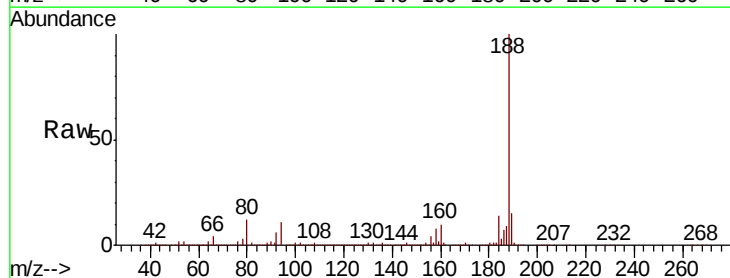
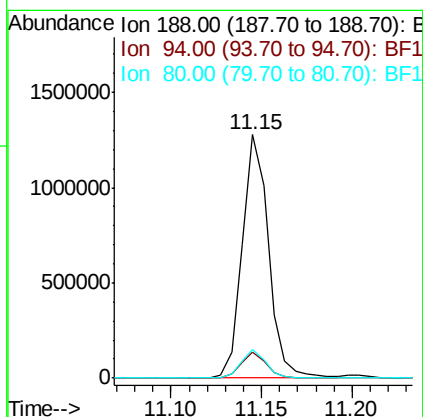
Manual Integrations
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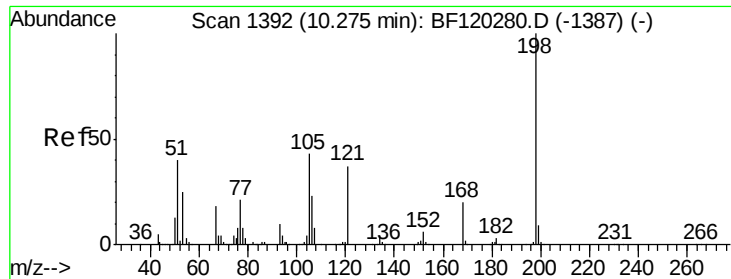
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.6	8.6	13.0	
80	11.7	9.2	13.8	





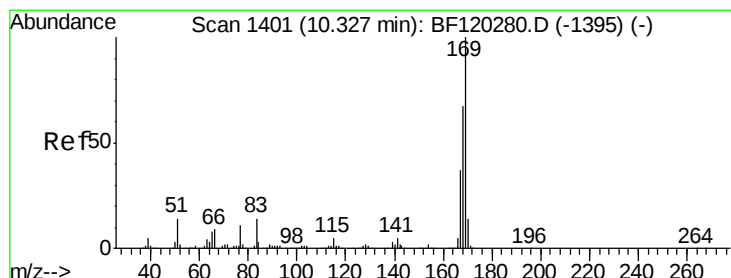
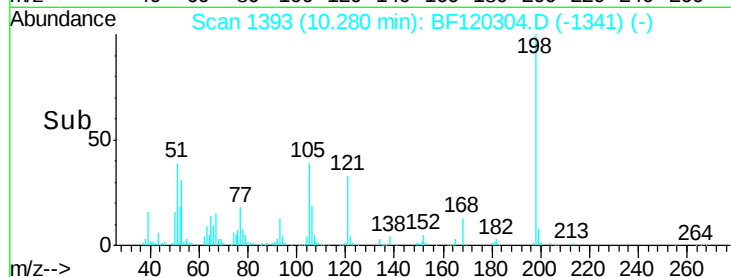
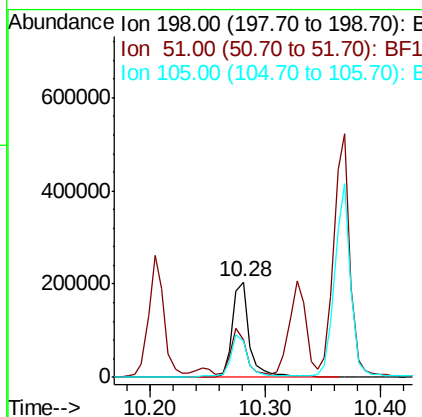
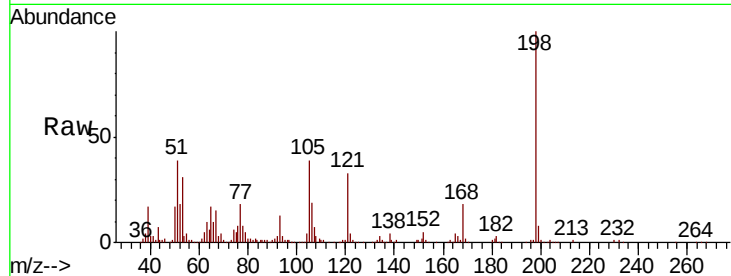
#65
4,6-Dinitro-2-methylphenol
Concen: 32.444 ng
RT: 10.28 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	212012		
51	39.1	27.1	67.1	
105	38.6	24.3	64.3	

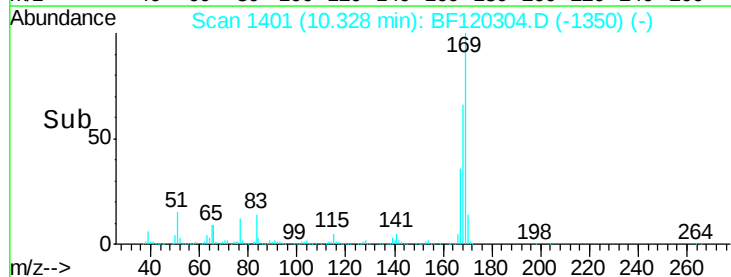
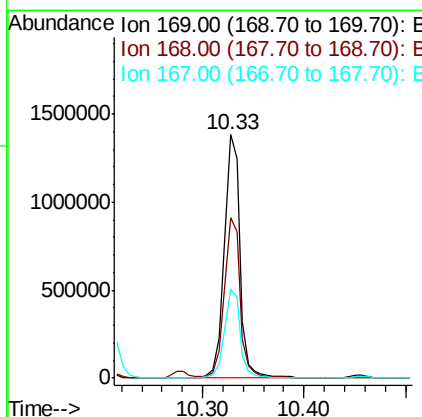
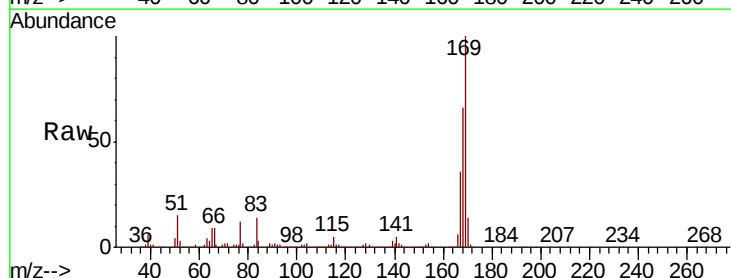
Manual Integrations
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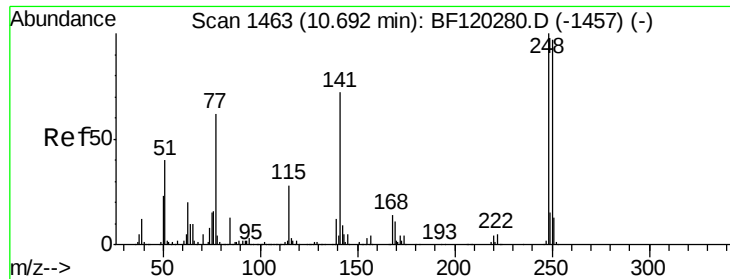
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 41.302 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1476472		
168	66.1	53.7	80.5	
167	36.3	29.8	44.6	





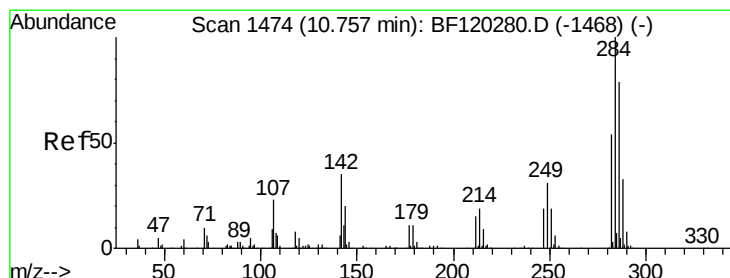
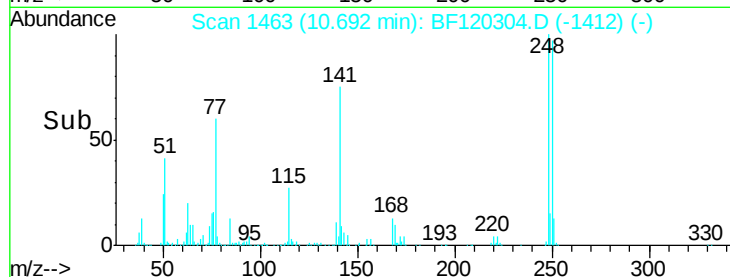
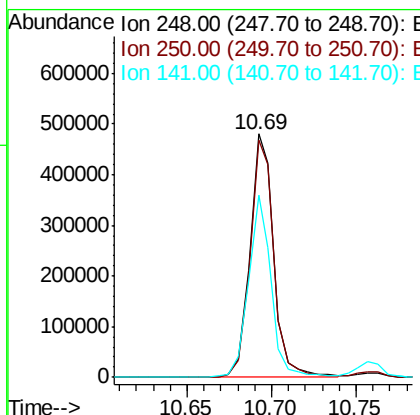
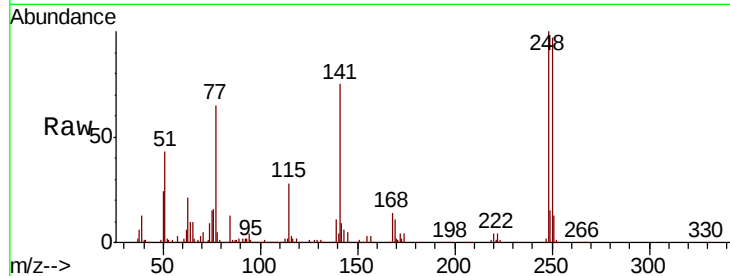
#67
4-Bromophenyl-phenylether
Concen: 37.661 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.8	116.6
141	74.6	57.7	86.5

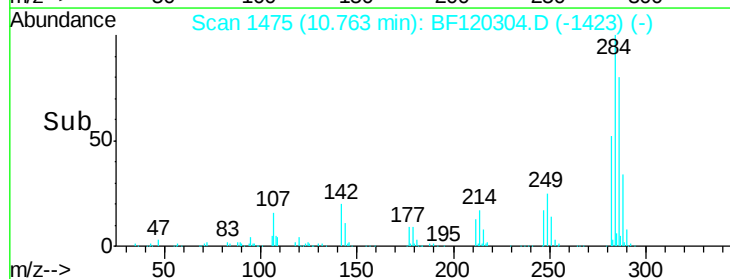
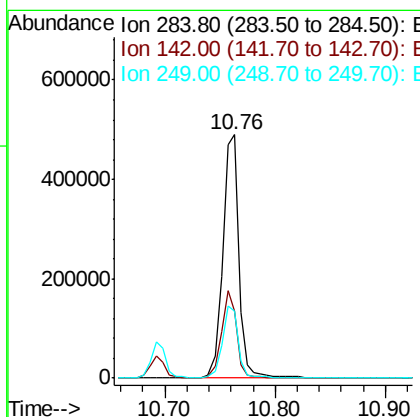
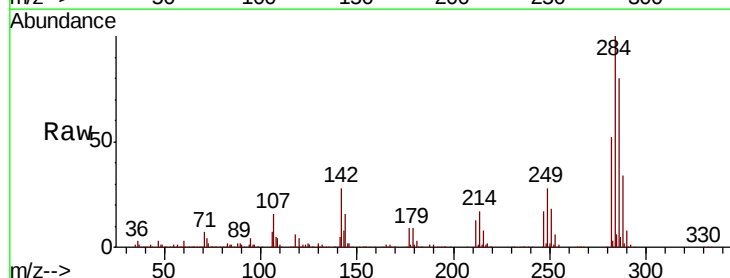
Manual Integrations
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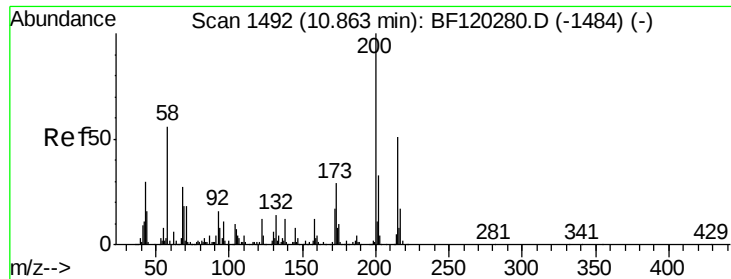
mohammad
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#68
Hexachlorobenzene
Concen: 38.382 ng
RT: 10.76 min Scan# 1475
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.7	28.5	42.7#
249	27.5	24.8	37.2





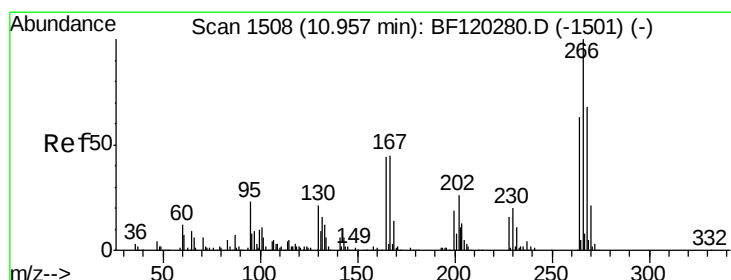
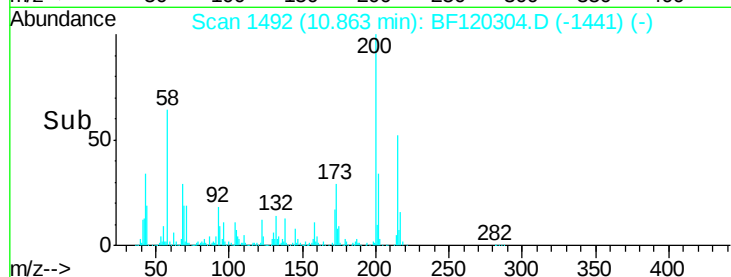
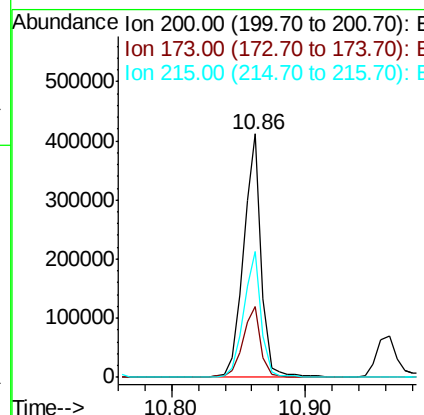
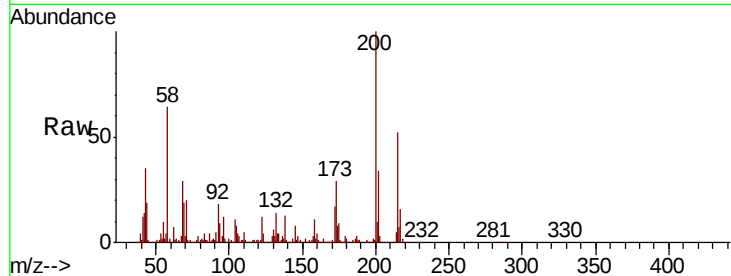
#69
Atrazine
Concen: 35.358 ng
RT: 10.86 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.0	8.7	48.7
215	51.5	30.6	70.6

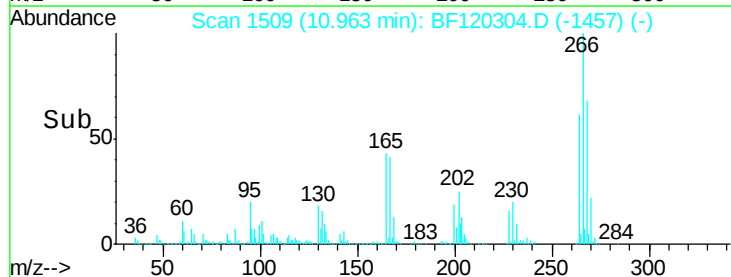
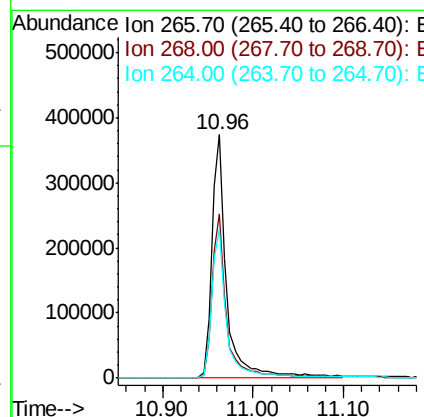
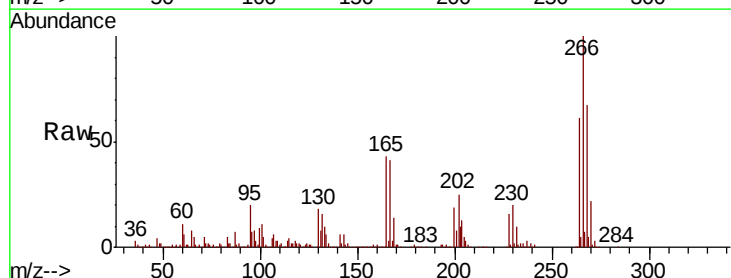
Manual Integrations
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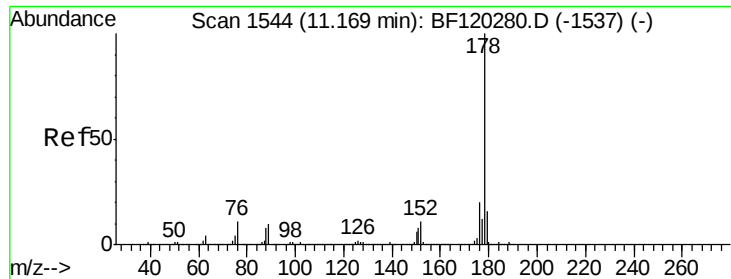
mohammad
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#70
Pentachlorophenol
Concen: 78.046 ng
RT: 10.96 min Scan# 1509
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.4	54.2	81.4
264	61.0	50.2	75.4





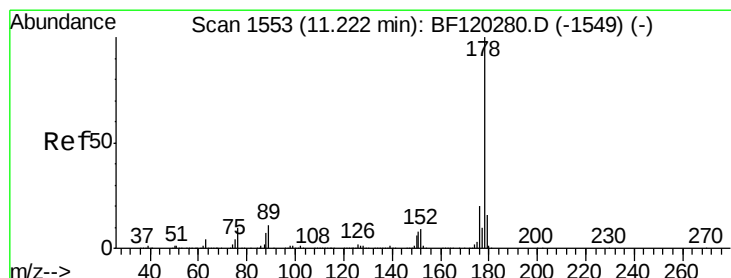
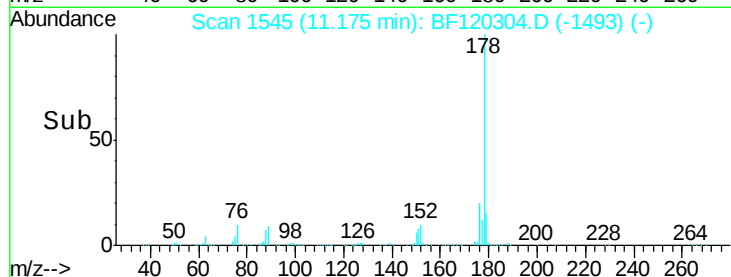
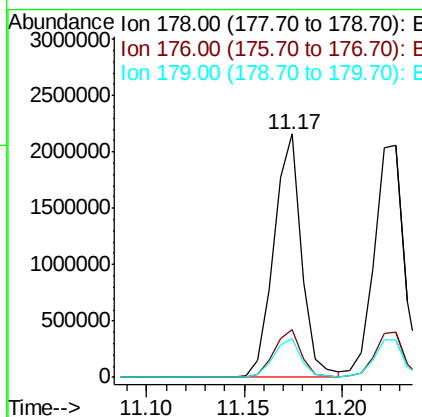
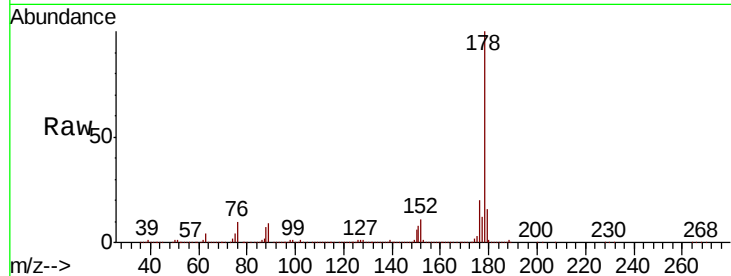
#71
Phenanthrene
Concen: 39.170 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion:178 Resp: 2126790
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 16.0 12.8 19.2

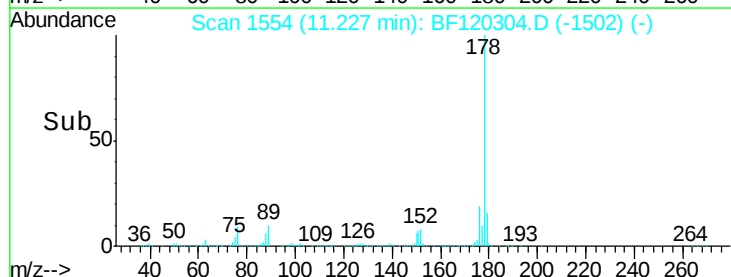
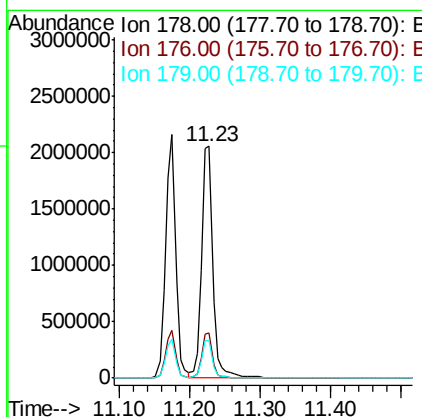
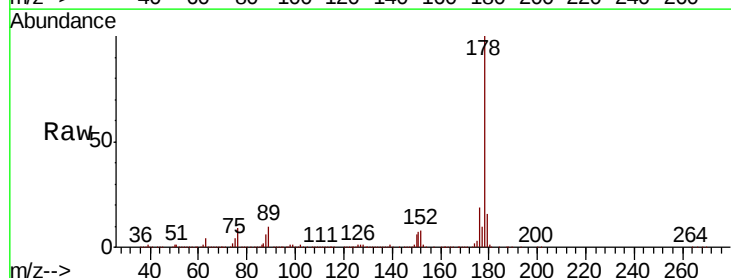
Manual Integrations
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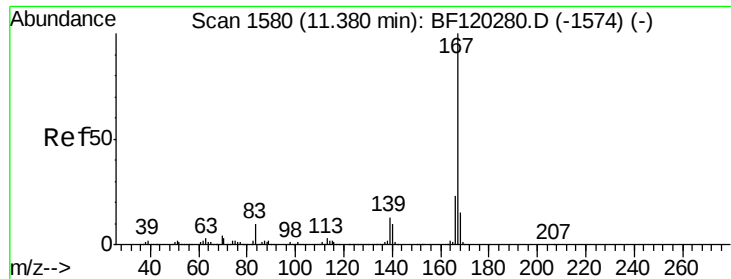
mohammad
5/18/2020 1:32:12 PM



#72
Anthracene
Concen: 39.647 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion:178 Resp: 2304497
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 16.0 13.0 19.6





#73

Carbazole

Concen: 37.507 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion:167 Resp: 2037036

Ion Ratio Lower Upper

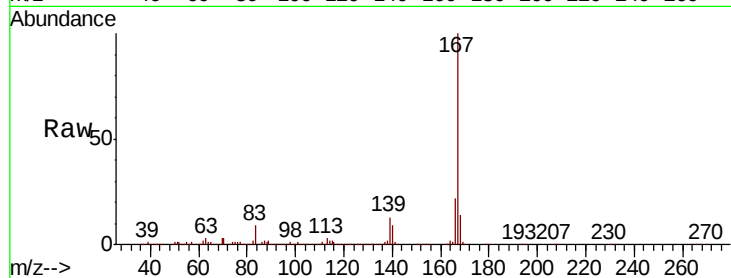
167 100

166 22.1 18.1 27.1

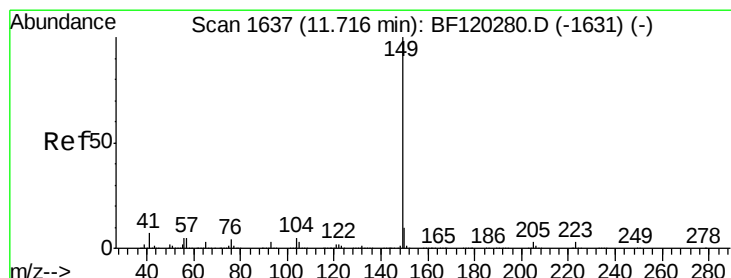
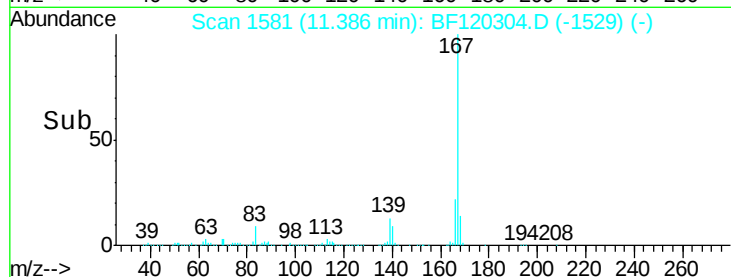
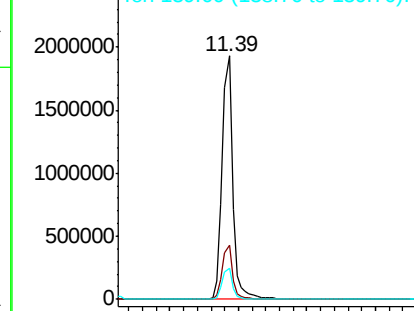
139 12.5 10.6 15.8

Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 40.423 ng

RT: 11.72 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

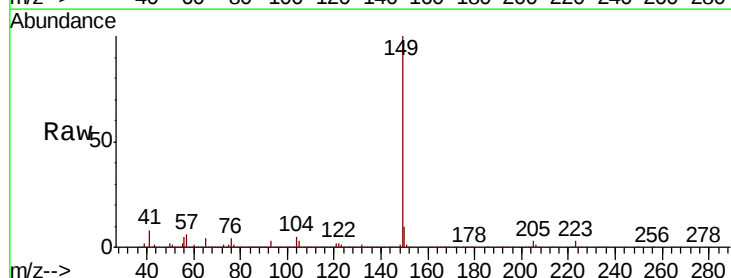
Tgt Ion:149 Resp: 2645869

Ion Ratio Lower Upper

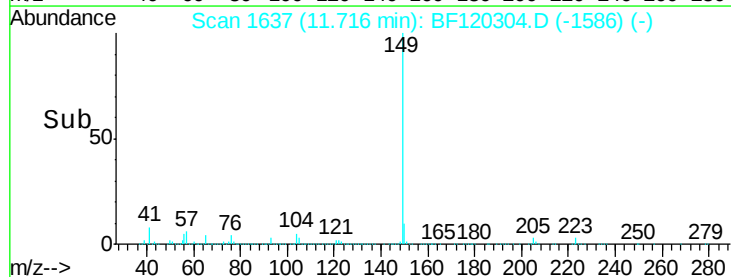
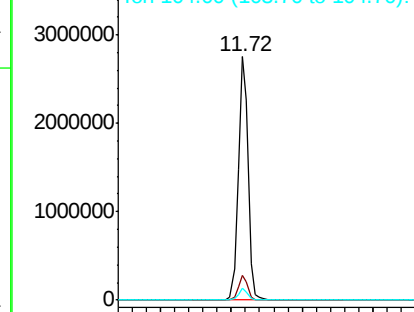
149 100

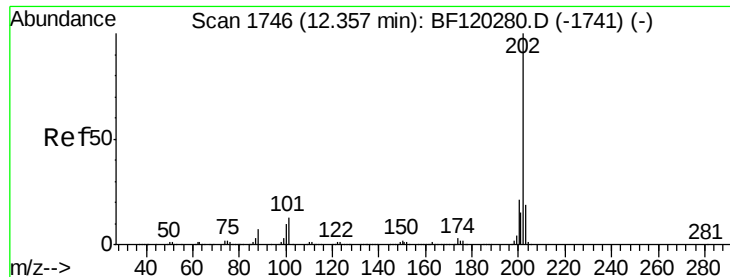
150 10.0 8.2 12.4

104 4.7 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 37.180 ng

RT: 12.36 min Scan# 1746

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

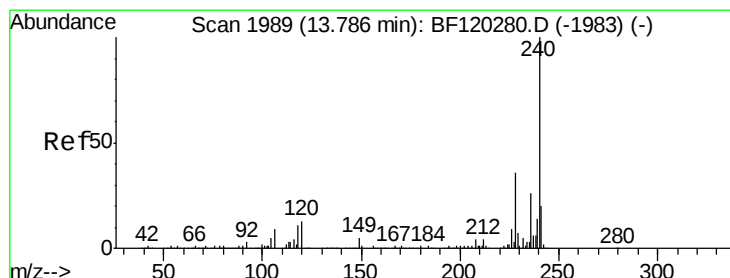
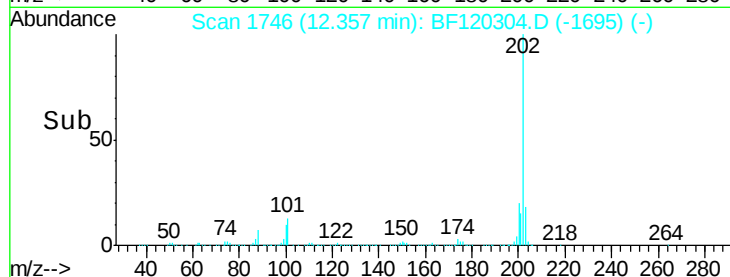
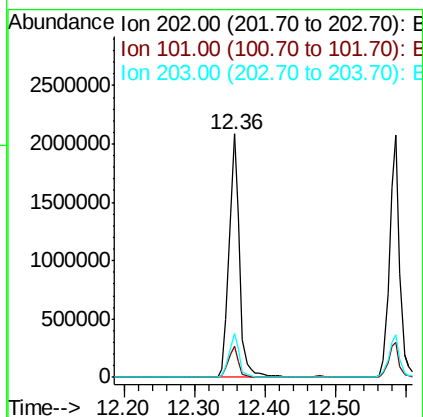
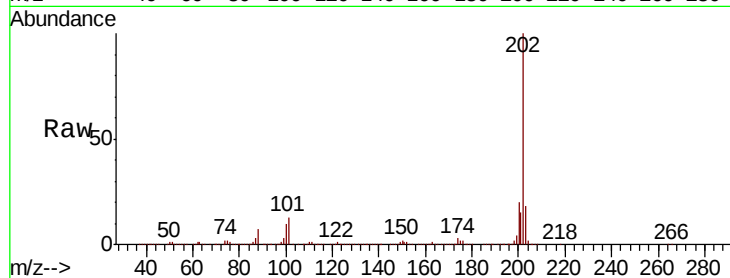
ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion:	202	Resp:	2163721
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	18.1	0.0	39.1

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

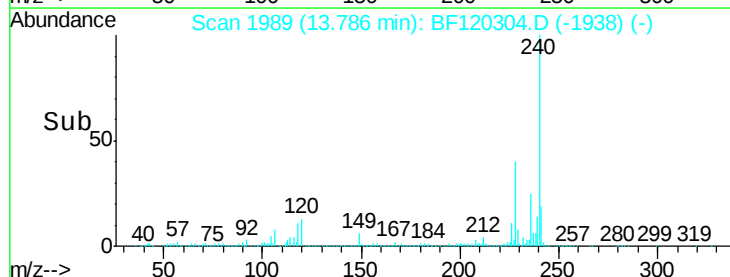
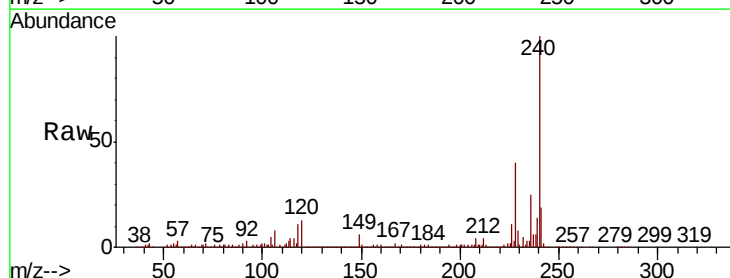
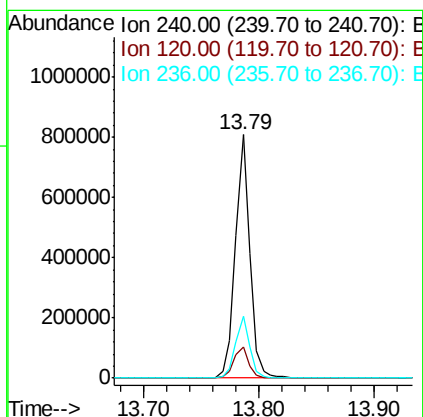
RT: 13.79 min Scan# 1989

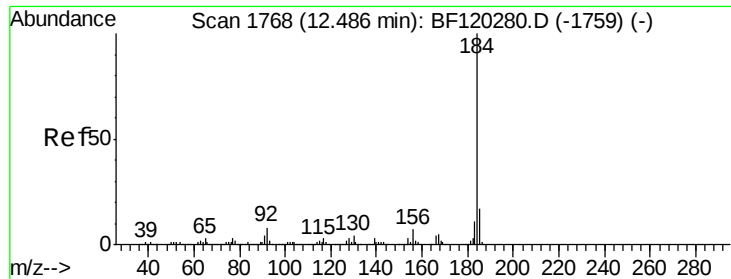
Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tgt Ion:	240	Resp:	704769
Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.4	15.6
236	25.4	21.0	31.6





#77

Benzidine

Concen: 36.949 ng

RT: 12.49 min Scan# 1768

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

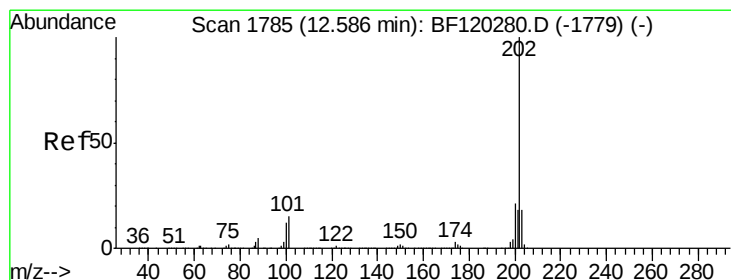
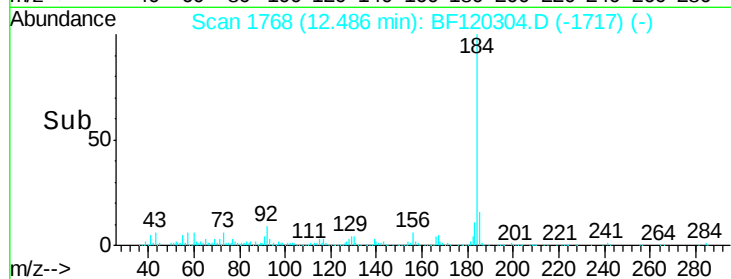
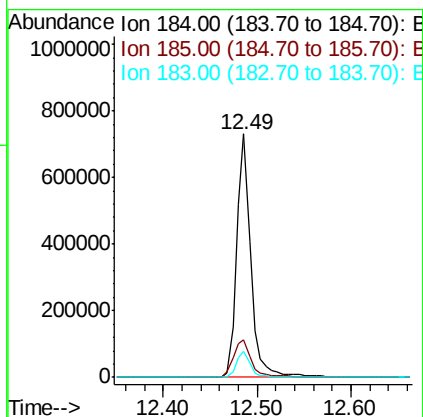
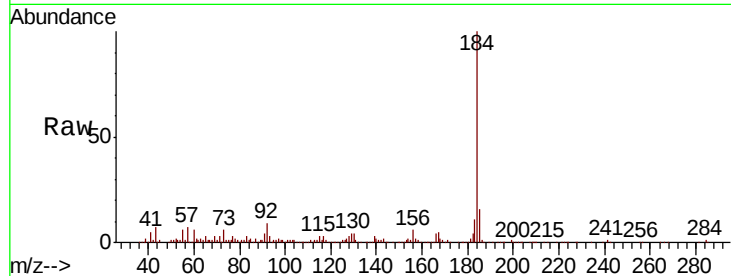
ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion:	184	Resp:	760427
Ion Ratio	Lower	Upper	
184	100		
185	15.6	13.7	20.5
183	10.7	8.7	13.1

Manual Integrations
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#78

Pyrene

Concen: 41.716 ng

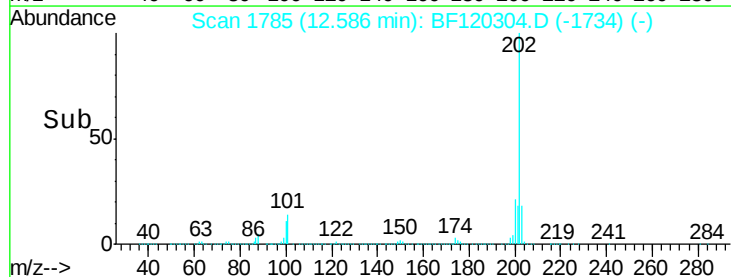
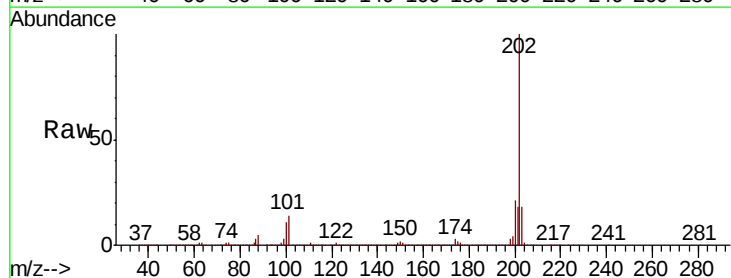
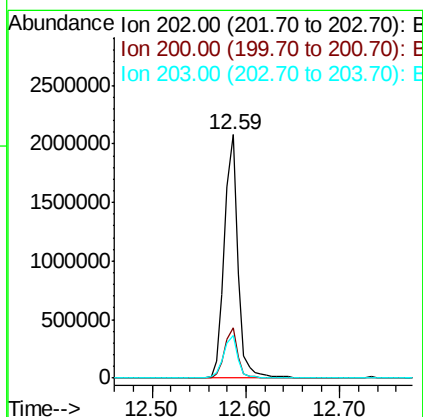
RT: 12.59 min Scan# 1785

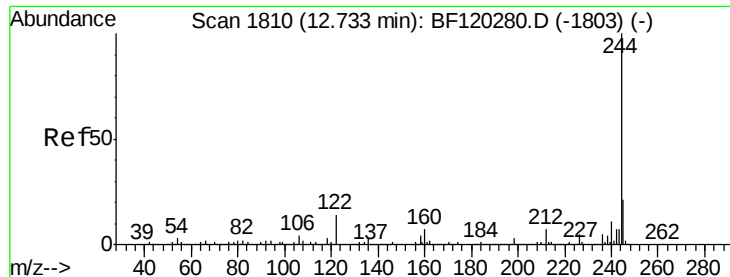
Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tgt Ion:	202	Resp:	2095932
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.6	25.0
203	17.8	14.6	22.0





#79

Terphenyl-d14

Concen: 87.133 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion:244 Resp: 2779650

Ion Ratio Lower Upper

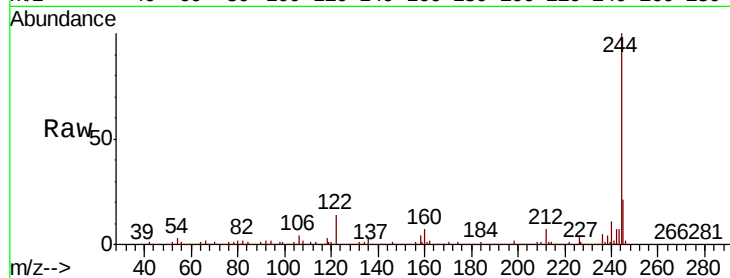
244 100

212 7.1 5.8 8.6

122 13.7 10.8 16.2

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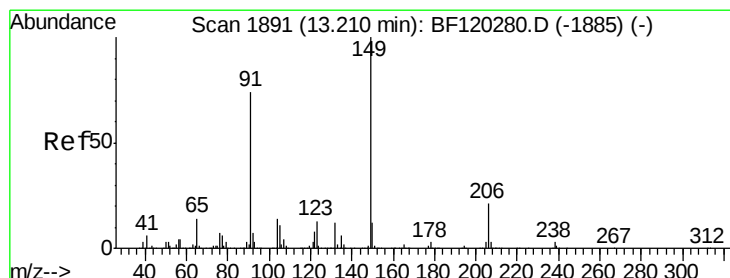
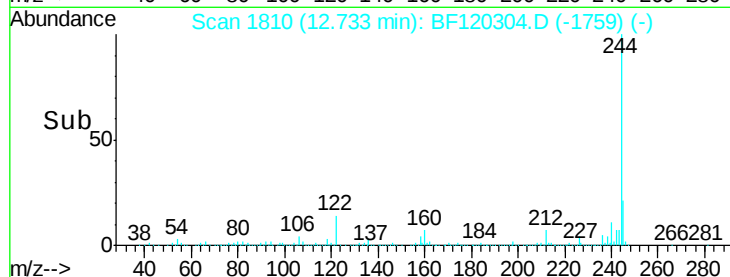
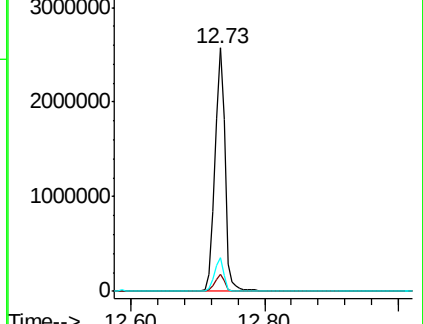
mohammad
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.707 ng

RT: 13.21 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

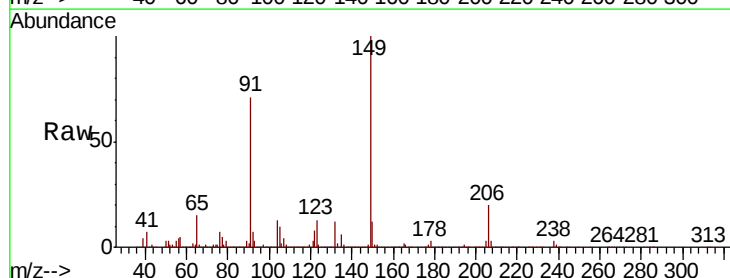
Tgt Ion:149 Resp: 963078

Ion Ratio Lower Upper

149 100

91 71.3 59.0 88.4

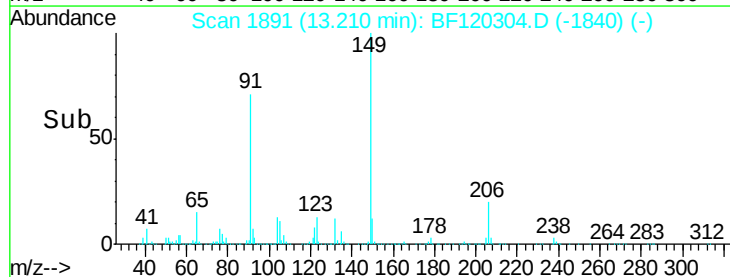
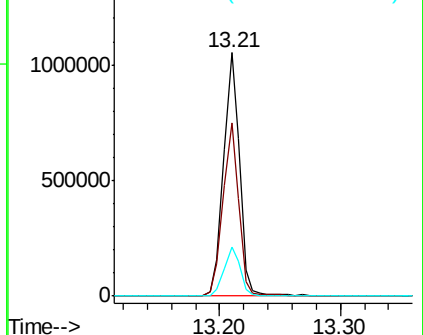
206 20.1 16.8 25.2

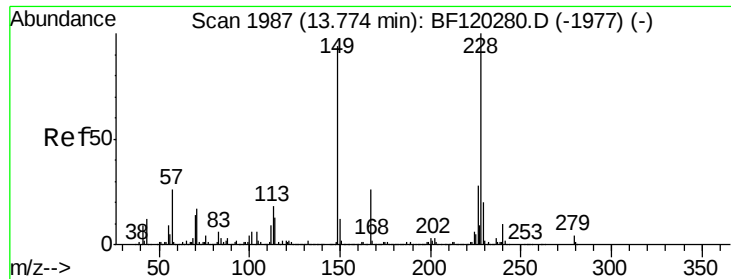


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 37.828 ng

RT: 13.77 min Scan# 1987

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion:228 Resp: 1406126

Ion Ratio Lower Upper

228 100

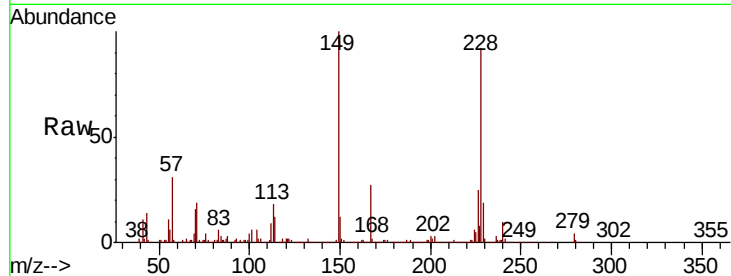
226 27.5 22.6 33.8

229 20.4 16.4 24.6

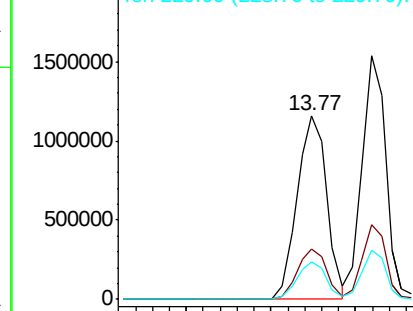
Manual Integrations
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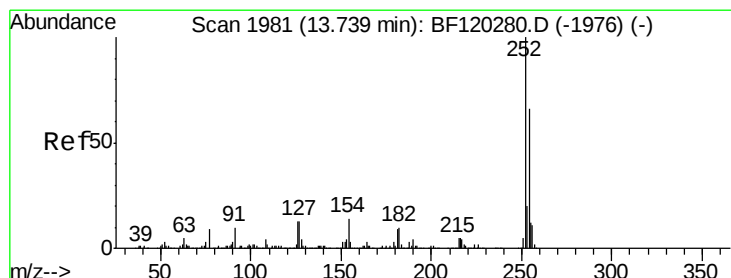
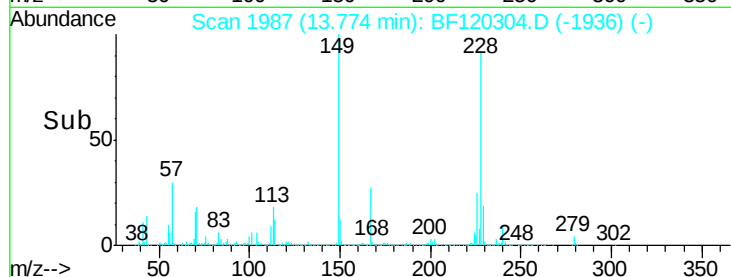
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#82

3,3'-Dichlorobenzidine

Concen: 19.582 ng

RT: 13.74 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

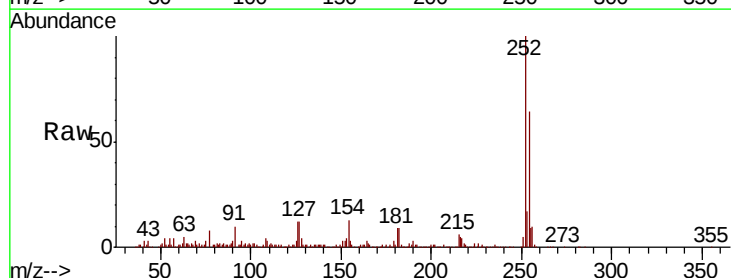
Tgt Ion:252 Resp: 274303

Ion Ratio Lower Upper

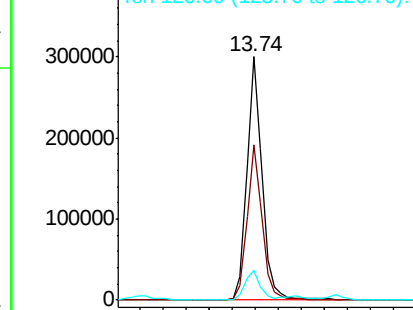
252 100

254 63.8 52.6 78.8

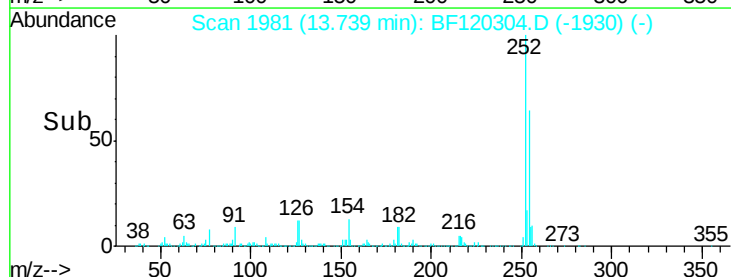
126 12.4 10.7 16.1

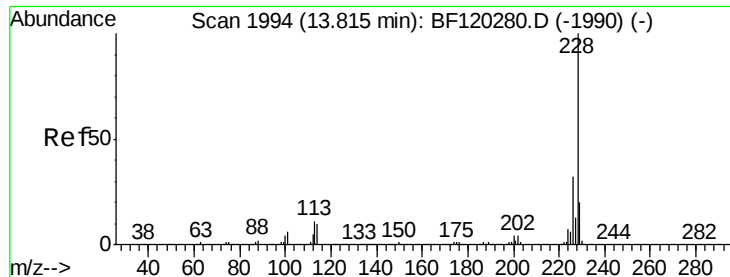


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



Time-->





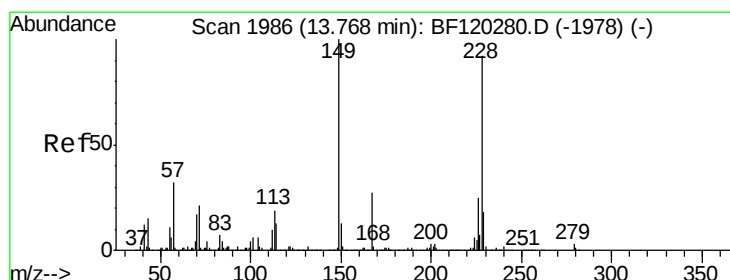
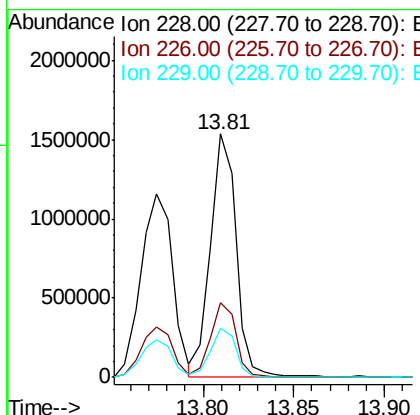
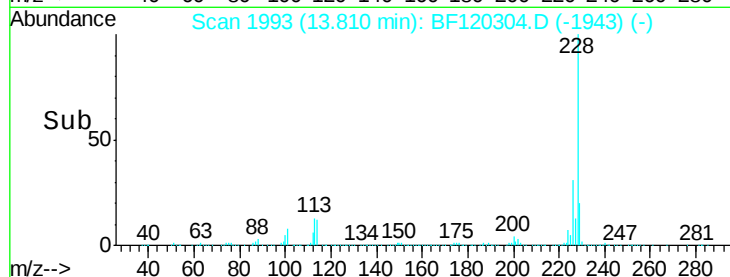
#83
Chrysene
Concen: 37.696 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion:228 Resp: 1504658
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 20.0 16.2 24.4

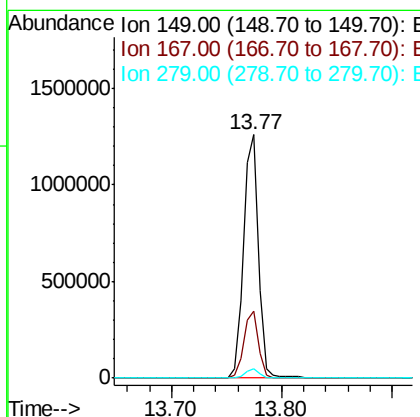
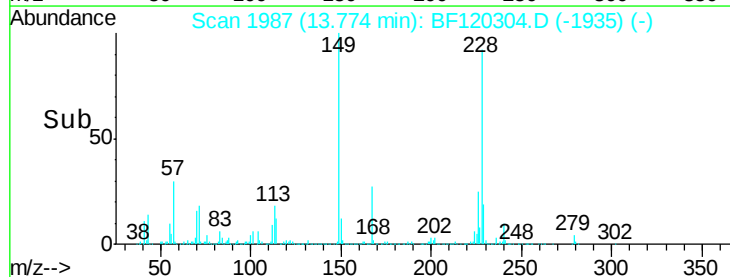
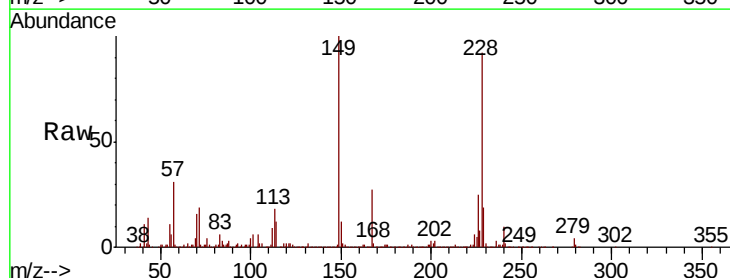
Manual Integrations
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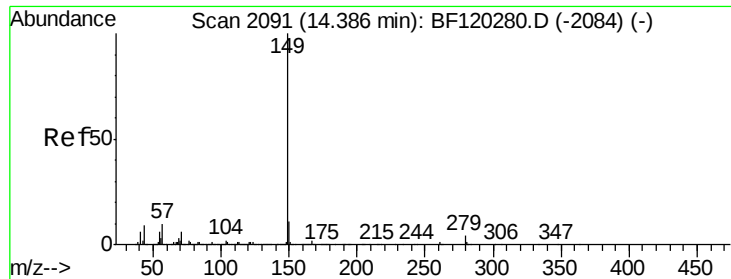
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 40.447 ng
RT: 13.77 min Scan# 1987
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion:149 Resp: 1190554
Ion Ratio Lower Upper
149 100
167 27.4 21.8 32.8
279 3.9 2.8 4.2





#85

Di-n-octyl phthalate

Concen: 38.328 ng

RT: 14.39 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion:149 Resp: 2029604

Ion Ratio Lower Upper

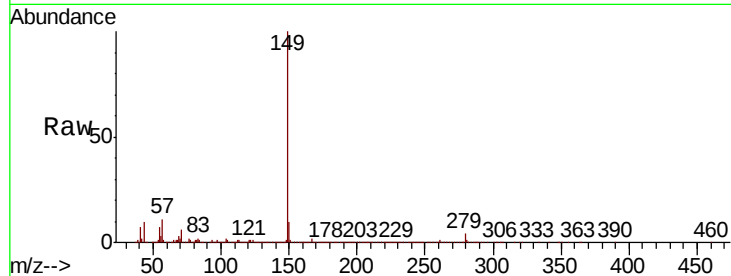
149 100

167 1.6 1.3 1.9

43 10.3 7.5 11.3

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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

2500000

2000000

1500000

1000000

500000

0

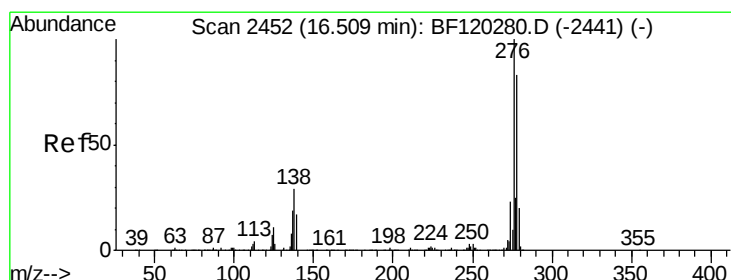
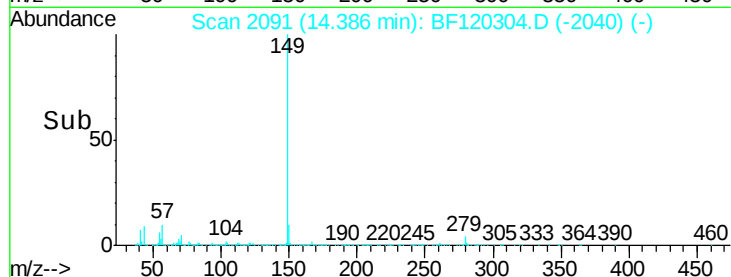
14.39

14.30

14.40

14.50

Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 42.361 ng

RT: 16.51 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

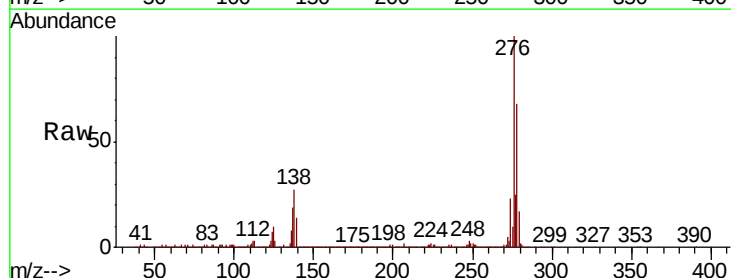
Tgt Ion:276 Resp: 1534622

Ion Ratio Lower Upper

276 100

138 28.5 23.3 34.9

277 25.1 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

800000

600000

400000

200000

0

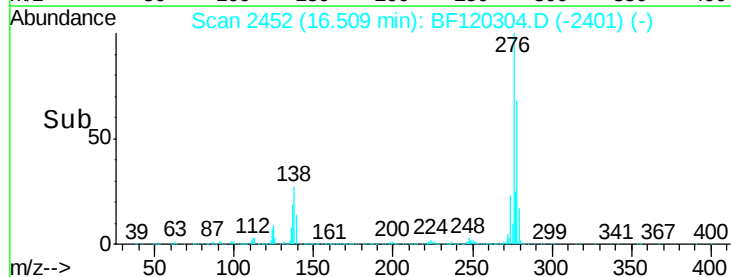
16.51

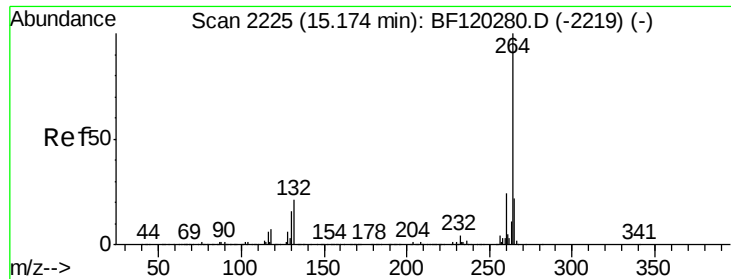
16.40

16.50

16.60

Time-->





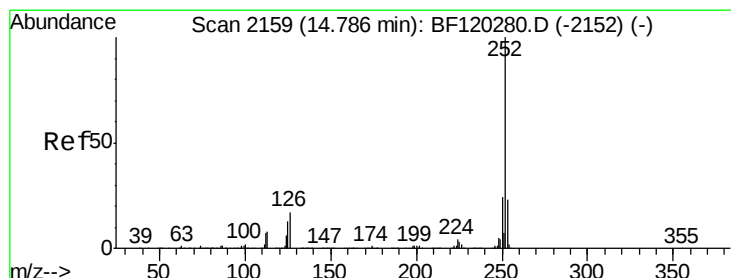
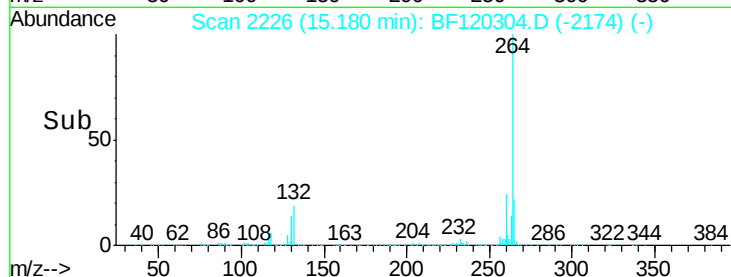
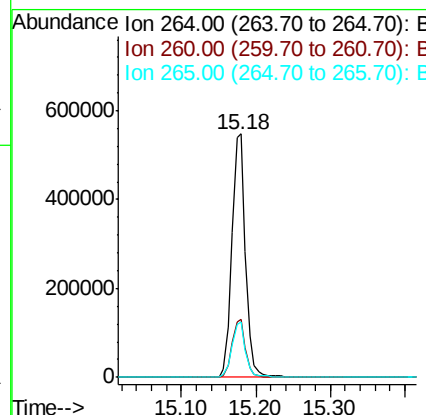
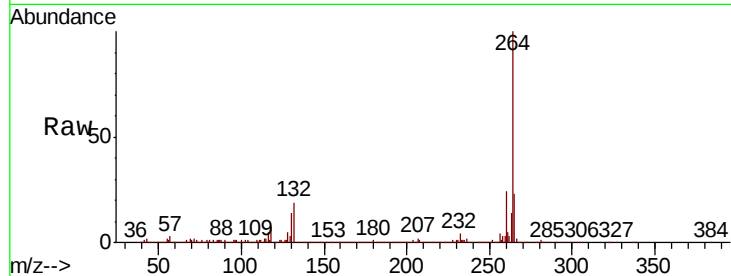
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-P72-11933MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	22.5	17.5	26.3

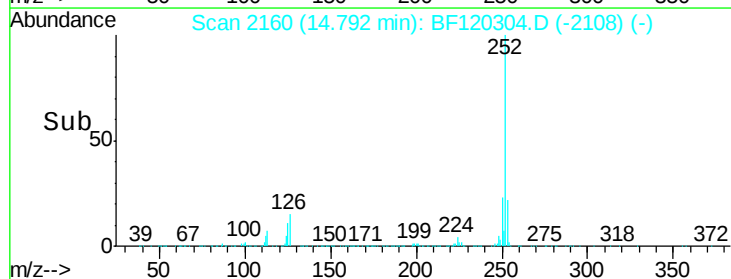
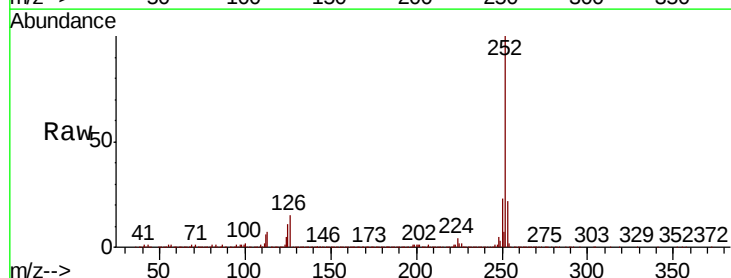
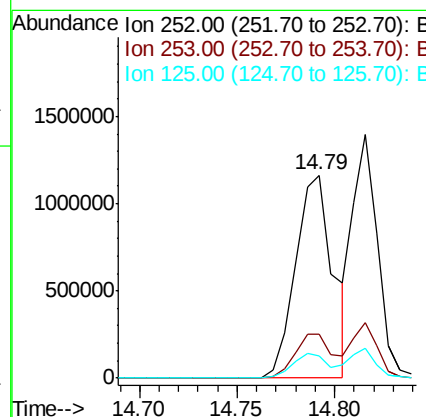
Manual Integrations
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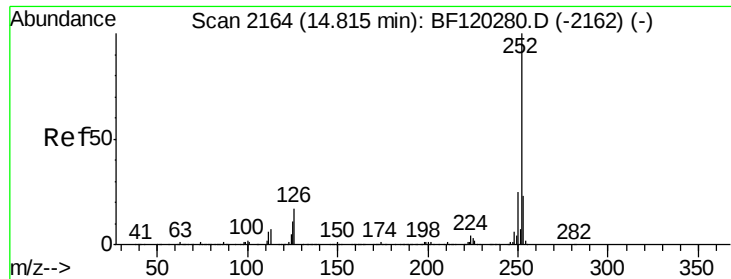
mohammad
5/18/2020 1:32:12 PM



#88
Benzo(b)fluoranthene
Concen: 40.199 ng
RT: 14.79 min Scan# 2160
Delta R.T. 0.01 min
Lab File: BF120304.D
Acq: 14 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	11.0	10.4	15.6





#89

Benzo(k)fluoranthene

Concen: 37.440 ng

RT: 14.82 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

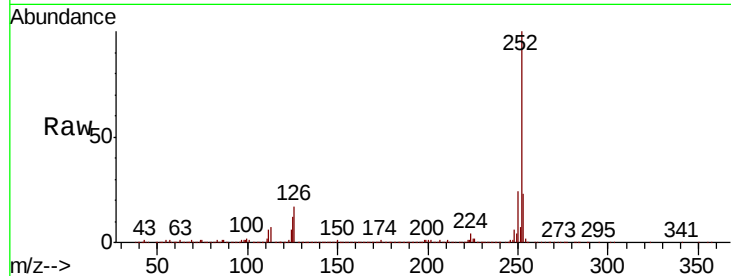
ClientSampleId :

ROLL-OFF-P72-11933MSD

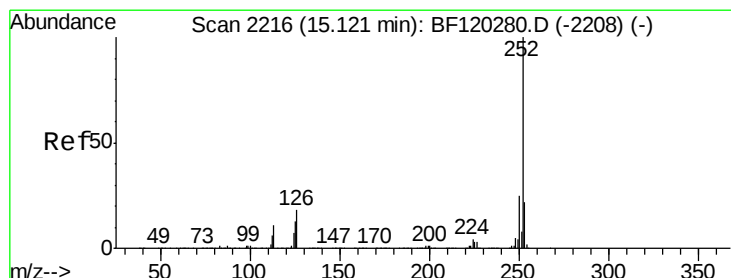
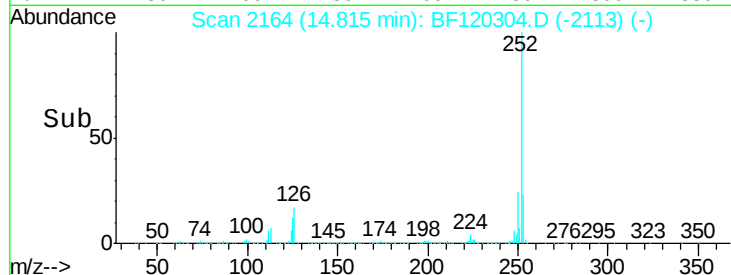
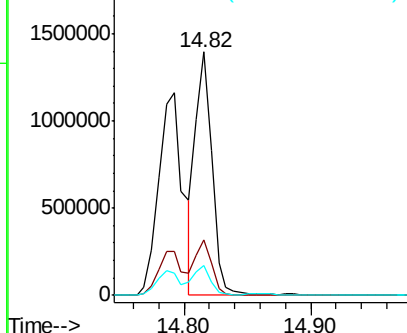
Tot Ion:	252	Resp:	1249044
Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	12.3	9.9	14.9

Manual Integrations
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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: 37.278 ng

RT: 15.12 min Scan# 2216

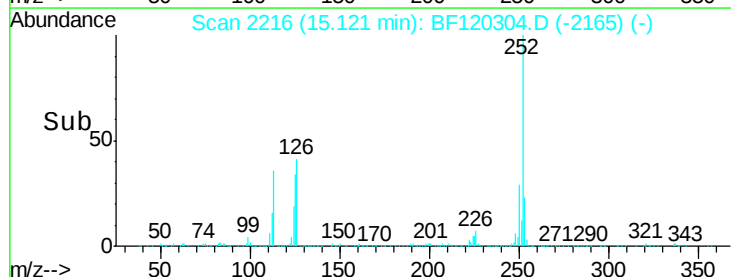
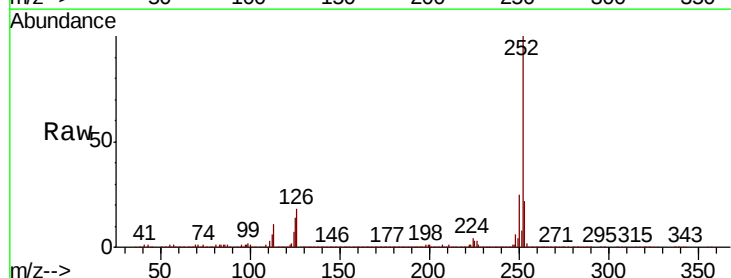
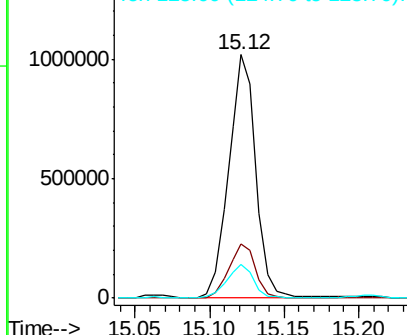
Delta R.T. 0.00 min

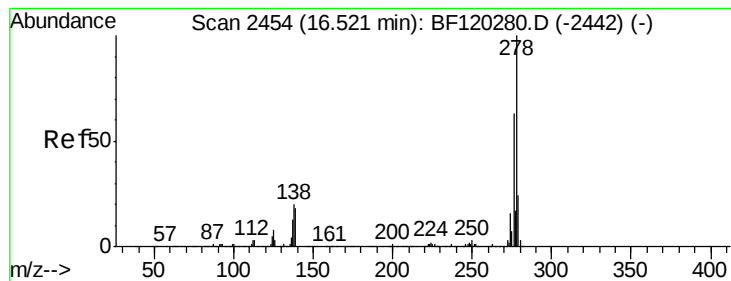
Lab File: BF120304.D

Acq: 14 May 2020 21:28

Tgt Ion:	252	Resp:	1287330
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	13.7	10.6	16.0

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: 41.860 ng

RT: 16.52 min Scan# 2454

Delta R.T. 0.00 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-P72-11933MSD

Tot Ion:278 Resp: 1280644

Ion Ratio Lower Upper

278 100

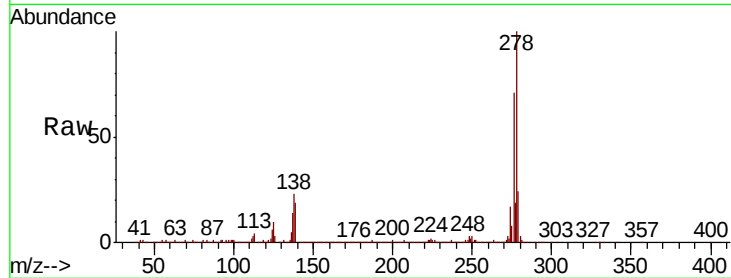
139 18.9 14.7 22.1

279 24.5 19.2 28.8

Manual Integrations
APPROVED

mohammad

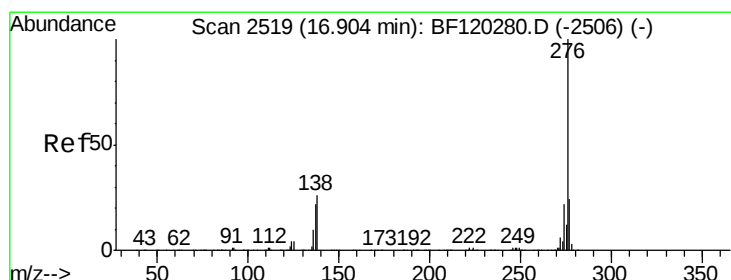
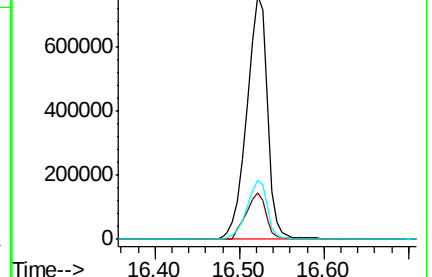
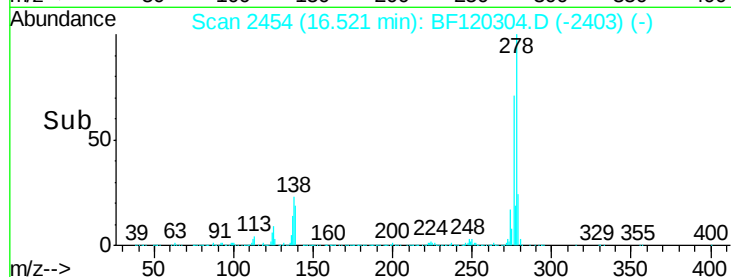
5/18/2020 1:32:12 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 41.680 ng

RT: 16.91 min Scan# 2520

Delta R.T. 0.01 min

Lab File: BF120304.D

Acq: 14 May 2020 21:28

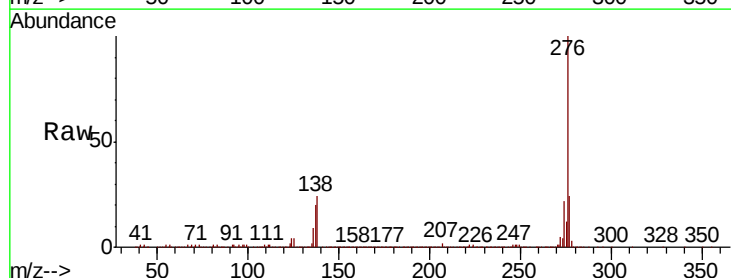
Tgt Ion:276 Resp: 1285832

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 24.5 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

