

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052020\
 Data File : BF120376.D
 Acq On : 20 May 2020 18:13
 Operator : MA/SJ
 Sample : L2497-08MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-051920MSD

Quant Time: May 20 18:43:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 13:33:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	298963	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	1221856	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	621268	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	1122285	20.00	ng	0.00
76) Chrysene-d12	13.75	240	744117	20.00	ng	0.00
87) Perylene-d12	15.13	264	661781	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	2064480	134.36	ng	0.03
7) Phenol-d6	6.26	99	2273189	116.99	ng	0.00
23) Nitrobenzene-d5	7.16	82	1749992	98.06	ng	0.00
42) 2,4,6-Tribromophenol	10.43	330	653822	129.07	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	3185980	105.36	ng	0.00
79) Terphenyl-d14	12.70	244	3100162	92.04	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.40	88	310183	50.748	ng	# 87
3) Pyridine	3.05	79	445994	23.213	ng	96
4) n-Nitrosodimethylamine	2.95	42	360904	47.972	ng	# 93
6) Aniline	6.27	93	203566	8.192	ng	# 1
8) 2-Chlorophenol	6.38	128	825899	46.100	ng	99
9) Benzaldehyde	6.14	77	507329	42.354	ng	100
10) Phenol	6.27	94	822480	36.261	ng	# 73
11) bis(2-Chloroethyl)ether	6.33	93	850729	46.953	ng	97
12) 1,3-Dichlorobenzene	6.53	146	815068	42.517	ng	100
13) 1,4-Dichlorobenzene	6.60	146	856252	43.367	ng	98
14) 1,2-Dichlorobenzene	6.76	146	745961	41.954	ng	99
15) Benzyl Alcohol	6.75	79	639931	46.357	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.87	45	1319973	46.228	ng	76
17) 2-Methylphenol	6.87	107	630643	41.698	ng	# 91
18) Hexachloroethane	7.09	117	321305	42.717	ng	97
19) n-Nitroso-di-n-propylamine	7.02	70	577417	45.360	ng	93
20) 3+4-Methylphenols	7.03	107	816547	41.526	ng	97
22) Acetophenone	7.01	105	1148705	45.891	ng	97
24) Nitrobenzene	7.18	77	859561	44.754	ng	98
25) Isophorone	7.42	82	1638940	44.138	ng	99
26) 2-Nitrophenol	7.50	139	461730	45.967	ng	93
27) 2,4-Dimethylphenol	7.55	122	717298	49.090	ng	97
28) bis(2-Chloroethoxy)methane	7.64	93	1082420	46.378	ng	100
29) 2,4-Dichlorophenol	7.75	162	673965	44.910	ng	98
30) 1,2,4-Trichlorobenzene	7.82	180	750316	45.118	ng	97
31) Naphthalene	7.90	128	2467471	47.849	ng	99
32) Benzoic acid	7.71	122	360177	37.606	ng	99
33) 4-Chloroaniline	7.96	127	144474	6.148	ng	98
34) Hexachlorobutadiene	8.02	225	411771	42.838	ng	96
35) Caprolactam	8.35	113	84992	17.311	ng	90
36) 4-Chloro-3-methylphenol	8.46	107	715929	44.099	ng	99
37) 2-Methylnaphthalene	8.59	142	1622660	45.982	ng	99
38) 1-Methylnaphthalene	8.69	142	1559578	45.566	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.76	216	720533	45.995	ng	99

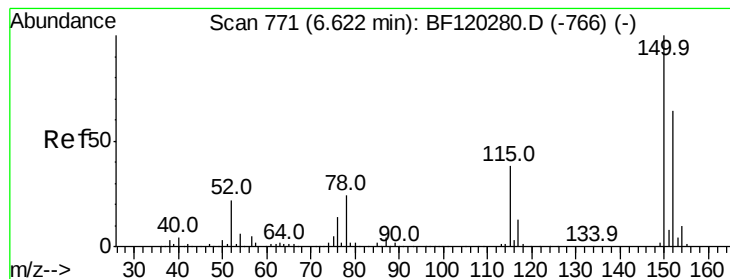
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.74	237	489215	76.061	nq	98
43) 2,4,6-Trichlorophenol	8.88	196	455242	43.293	nq	98
44) 2,4,5-Trichlorophenol	8.93	196	476553	39.462	nq	99
46) 1,1'-Biphenyl	9.06	154	1940834	47.679	nq	100
47) 2-Chloronaphthalene	9.08	162	1441267	44.140	nq	98
48) 2-Nitroaniline	9.19	65	505850	42.460	nq	96
49) Acenaphthylene	9.49	152	2280239	45.716	nq	99
50) Dimethylphthalate	9.37	163	1689854	43.028	nq	99
51) 2,6-Dinitrotoluene	9.43	165	374729	42.751	nq	86
52) Acenaphthene	9.66	154	1365367	45.668	nq	99
53) 3-Nitroaniline	9.60	138	93914	8.985	nq	97
54) 2,4-Dinitrophenol	9.72	184	134950	32.616	nq	94
55) Dibenzofuran	9.84	168	1968306	45.717	nq	100
56) 4-Nitrophenol	9.79	139	340558	60.635	nq	# 79
57) 2,4-Dinitrotoluene	9.84	165	433767	42.186	nq	96
58) Fluorene	10.18	166	1517933	46.295	nq	99
59) 2,3,4,6-Tetrachlorophenol	9.96	232	369170	40.622	nq	98
60) Diethylphthalate	10.07	149	1663850	43.883	nq	98
61) 4-Chlorophenyl-phenylether	10.17	204	740046	43.411	nq	93
62) 4-Nitroaniline	10.22	138	285787	29.361	nq	99
63) Azobenzene	10.33	77	1812748	50.587	nq	95
65) 4,6-Dinitro-2-methylphenol	10.25	198	158423	27.912	nq	88
66) n-Nitrosodiphenylamine	10.30	169	1408765	45.372	nq	100
67) 4-Bromophenyl-phenylether	10.66	248	460342	42.270	nq	95
68) Hexachlorobenzene	10.73	284	489647	42.977	nq	94
69) Atrazine	10.83	200	383189	41.245	nq	99
70) Pentachlorophenol	10.93	266	333969	68.921	nq	98
71) Phenanthrene	11.14	178	2079313	44.092	nq	100
72) Anthracene	11.19	178	2255286	44.672	nq	100
73) Carbazole	11.35	167	2019467	42.812	nq	99
74) Di-n-butylphthalate	11.69	149	2519016	44.310	nq	99
75) Fluoranthene	12.32	202	2388233	47.249	nq	99
77) Benzidine	12.45	184	367807	16.927	nq	96
78) Pyrene	12.55	202	2381833	44.899	nq	99
80) Butylbenzylphthalate	13.18	149	1090669	43.662	nq	97
81) Benzo(a)anthracene	13.74	228	1745502	44.474	nq	98
82) 3,3'-Dichlorobenzidine	13.71	252	269515	18.223	nq	# 98
83) Chrysene	13.78	228	1824173	43.284	nq	100
84) Bis(2-ethylhexyl)phthalate	13.74	149	1334110	42.927	nq	100
85) Di-n-octyl phthalate	14.35	149	2473342	44.238	nq	100
86) Indeno(1,2,3-cd)pyrene	16.44	276	1475540	38.576	nq	99
88) Benzo(b)fluoranthene	14.75	252	1515065	41.920	nq	99
89) Benzo(k)fluoranthene	14.78	252	1583305	50.565	nq	99
90) Benzo(a)pyrene	15.08	252	1392784	42.971	nq	99
91) Dibenzo(a,h)anthracene	16.45	278	1208124	42.074	nq	97
92) Benzo(g,h,i)perylene	16.83	276	1280595	44.226	nq	99

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

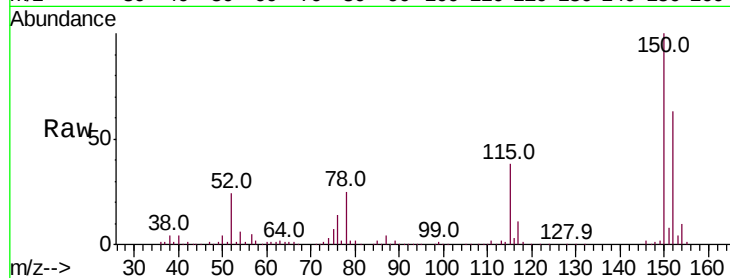


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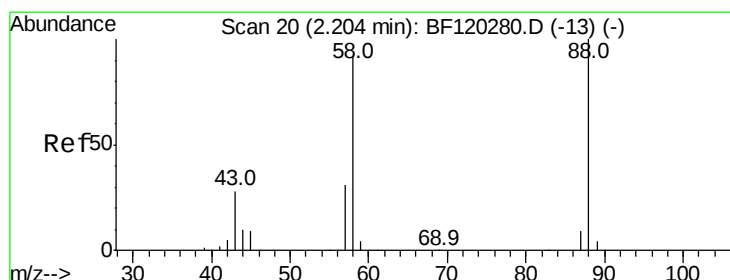
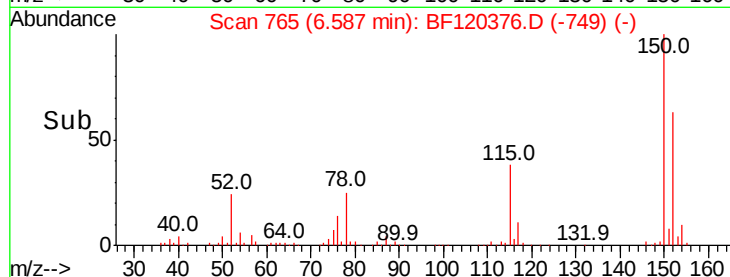
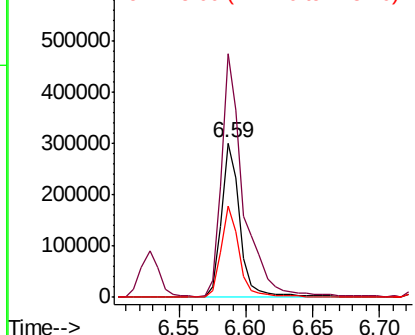
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.59 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-051920MSD

Tot Ion:152 Resp: 298963
 Ion Ratio Lower Upper
 152 100
 150 157.8 126.2 189.2
 115 59.5 47.9 71.9



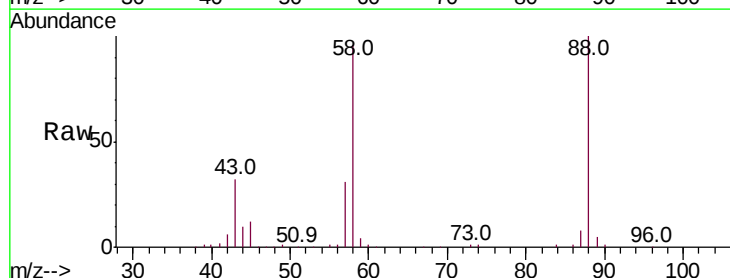
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



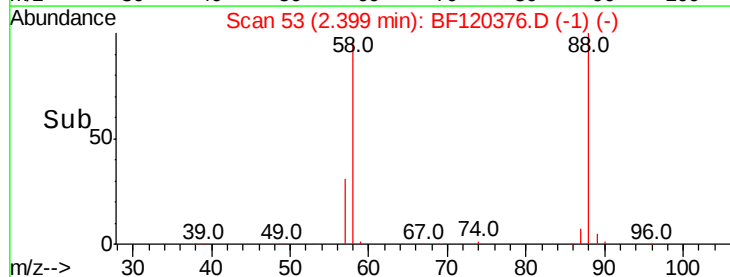
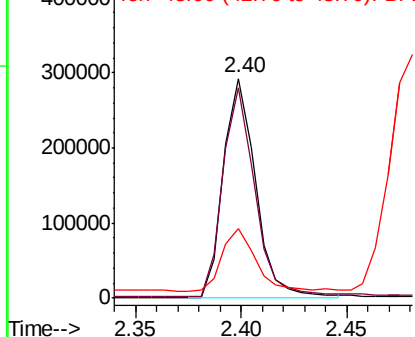
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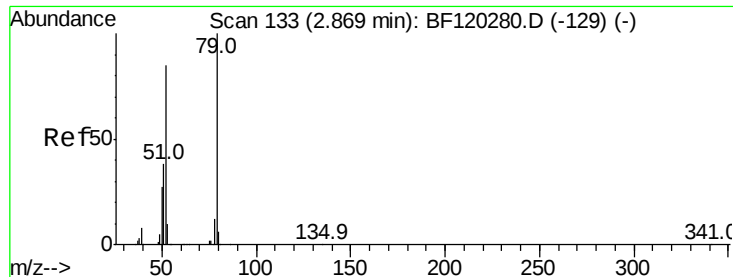
1,4-Dioxane
 Concen: 50.748 ng
 RT: 2.40 min Scan# 53
 Delta R.T. 0.23 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion: 88 Resp: 310183
 Ion Ratio Lower Upper
 88 100
 58 94.8 75.8 113.6
 43 0.0 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: 23.213 ng

RT: 3.05 min Scan# 164

Delta R.T. 0.22 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

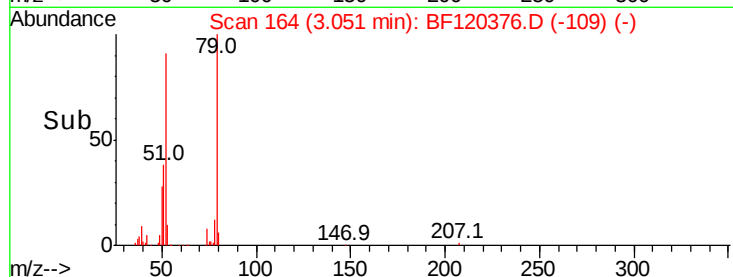
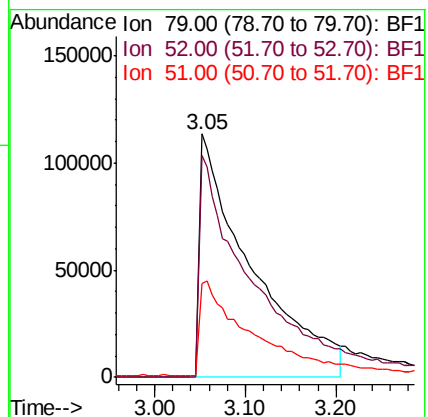
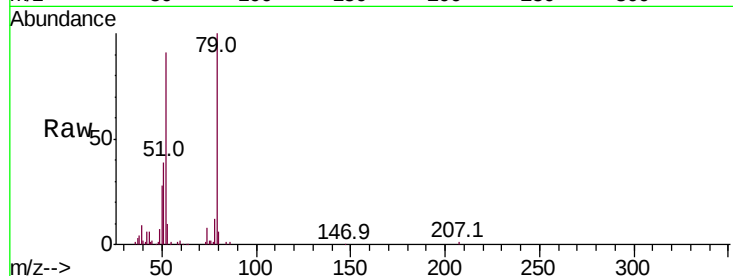
Tot Ion: 79 Resp: 445994

Ion Ratio Lower Upper

79 100

52 91.1 68.4 102.6

51 38.5 31.0 46.4



#4

n-Nitrosodimethylamine

Concen: 47.972 ng

RT: 2.95 min Scan# 146

Delta R.T. 0.16 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

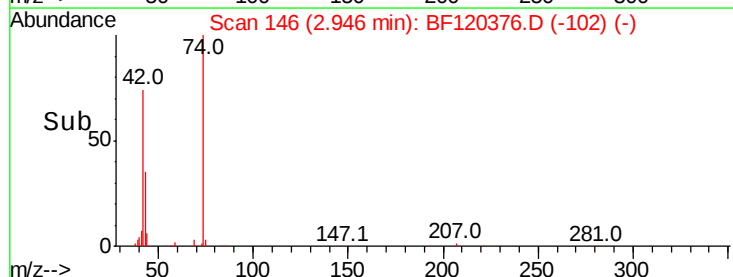
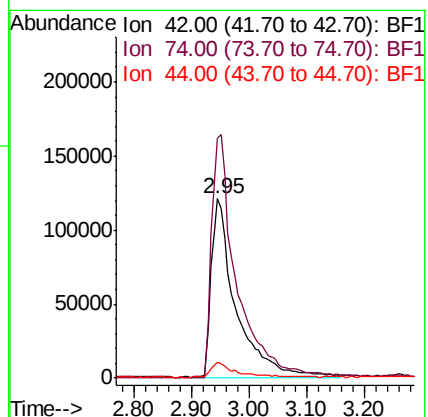
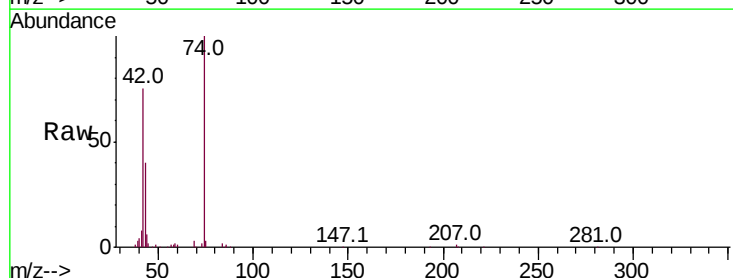
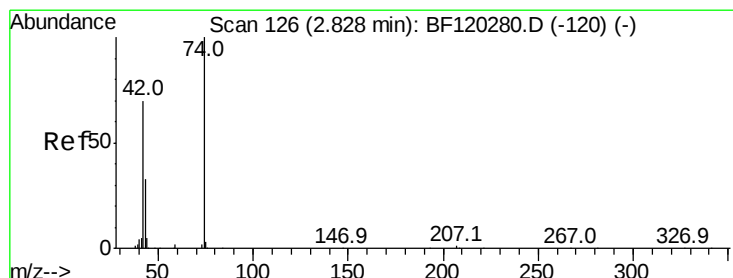
Tgt Ion: 42 Resp: 360904

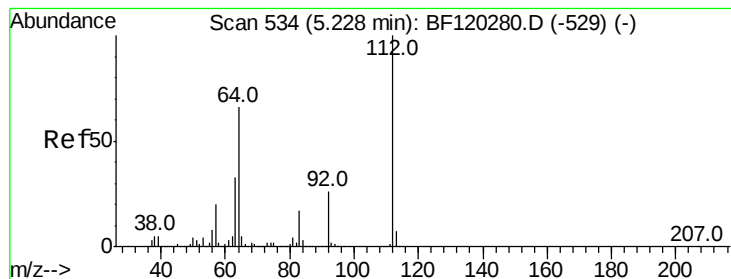
Ion Ratio Lower Upper

42 100

74 134.0 114.8 172.2

44 8.5 5.6 8.4#





#5

2-Fluorophenol

Concen: 134.360 ng

RT: 5.22 min Scan# 533

Delta R.T. 0.03 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

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ClientSampleId :

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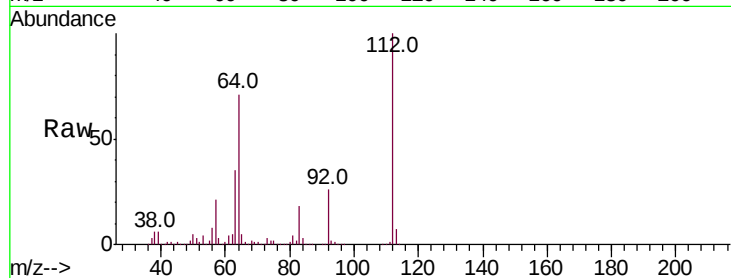
Tot Ion:112 Resp: 2064480

Ion Ratio Lower Upper

112 100

64 70.6 52.7 79.1

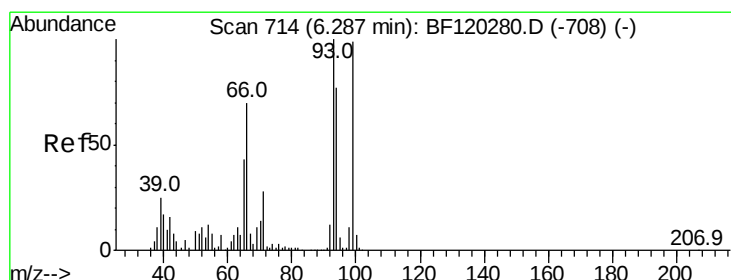
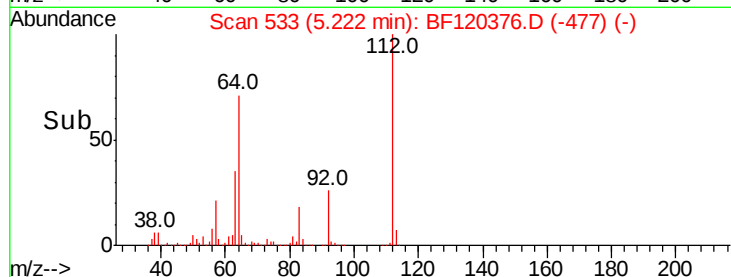
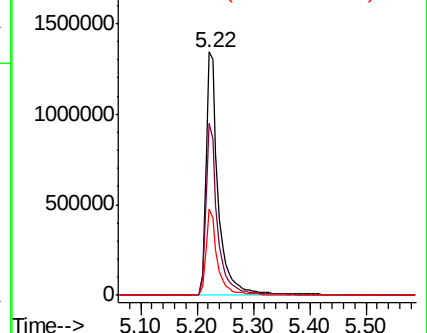
63 35.2 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.192 ng

RT: 6.27 min Scan# 711

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

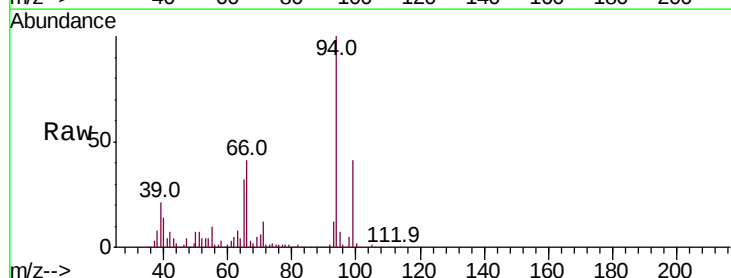
Tgt Ion: 93 Resp: 203566

Ion Ratio Lower Upper

93 100

66 330.9 56.2 84.4#

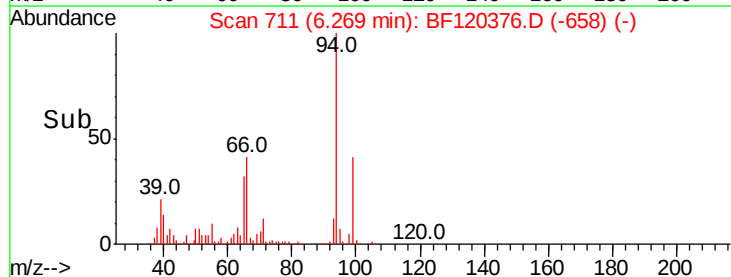
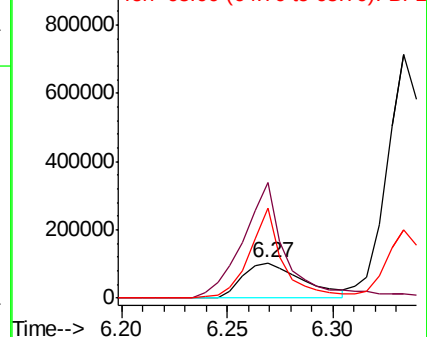
65 255.8 34.2 51.2#

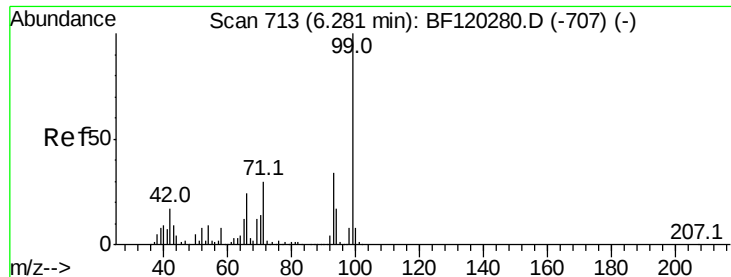


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 116.989 ng

RT: 6.26 min Scan# 709

Delta R.T. 0.01 min

Lab File: BF120376.D

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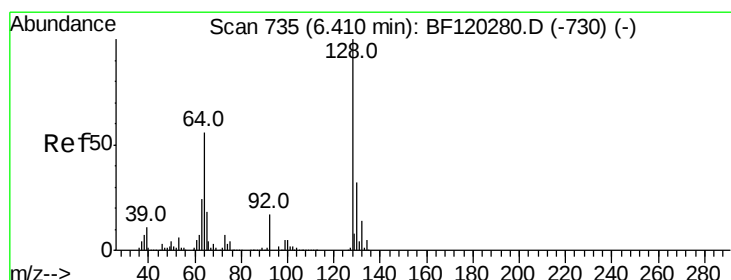
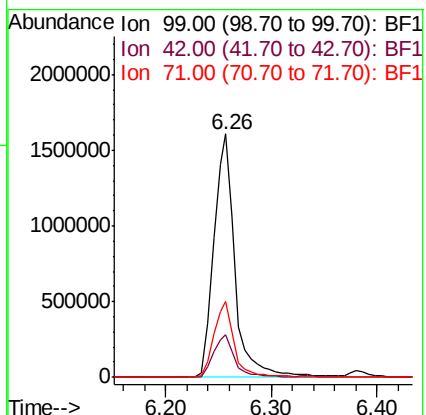
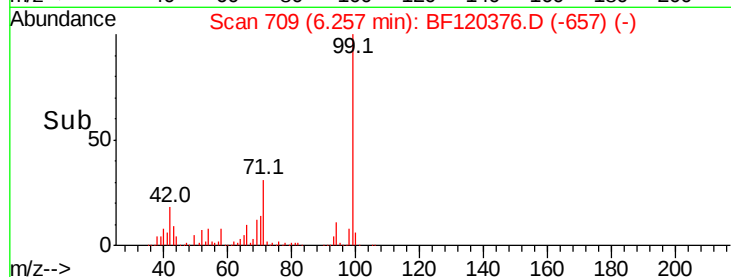
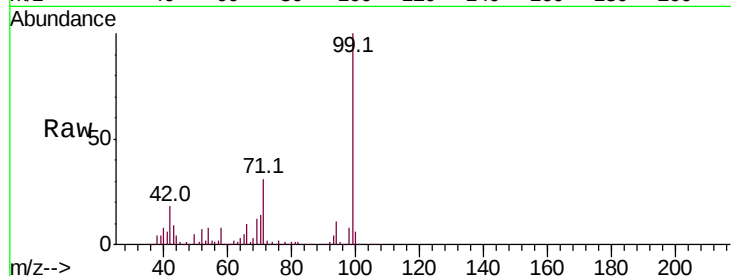
Tot Ion: 99 Resp: 2273189

Ion Ratio Lower Upper

99 100

42 17.7 13.6 20.4

71 31.0 24.2 36.4



#8

2-Chlorophenol

Concen: 46.100 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

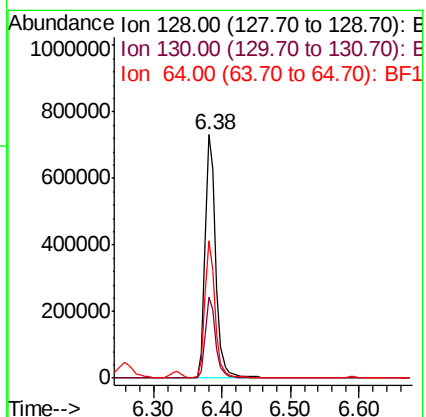
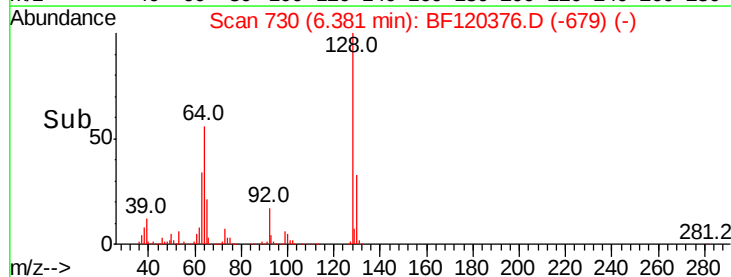
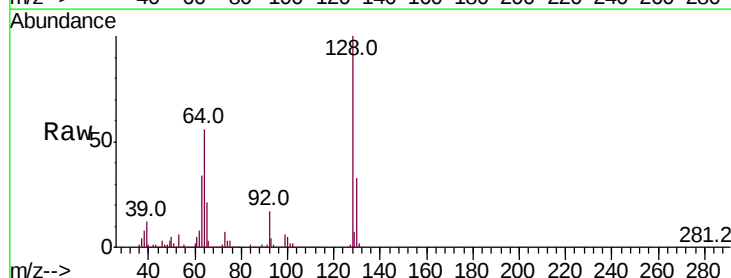
Tgt Ion:128 Resp: 825899

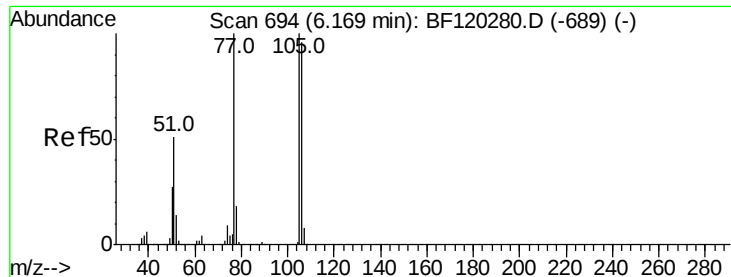
Ion Ratio Lower Upper

128 100

130 33.2 12.4 52.4

64 56.4 36.7 76.7





#9

Benzaldehyde

Concen: 42.354 ng

RT: 6.14 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

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ClientSampleId :

HD-02-051920MSD

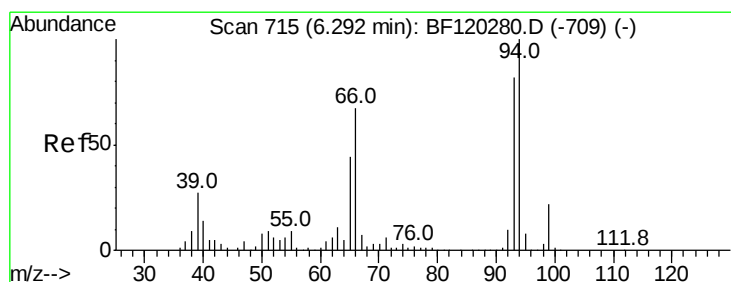
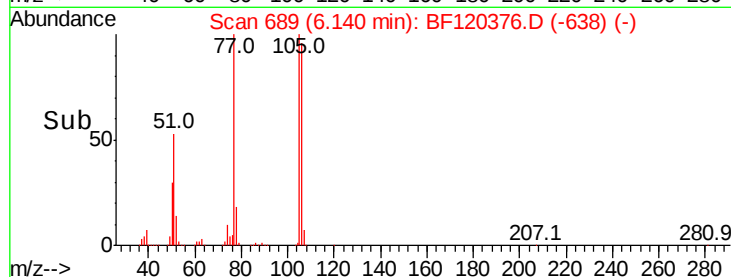
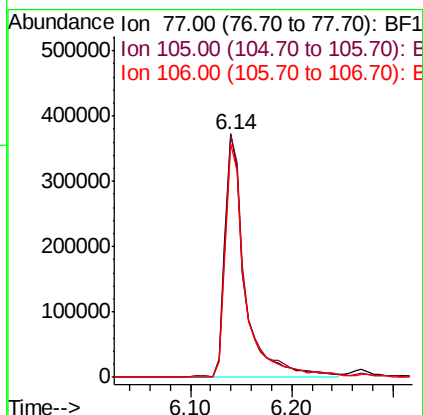
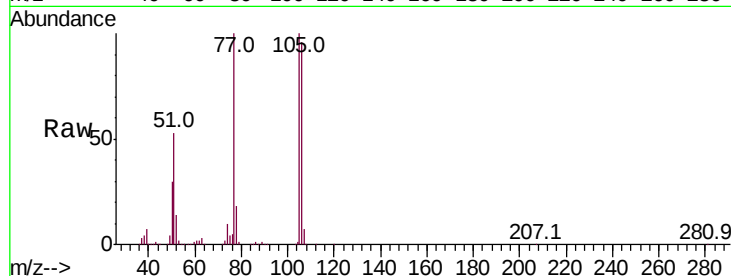
Tot Ion: 77 Resp: 507329

Ion Ratio Lower Upper

77 100

105 99.6 79.9 119.9

106 96.0 75.7 115.7



#10

Phenol

Concen: 36.261 ng

RT: 6.27 min Scan# 711

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

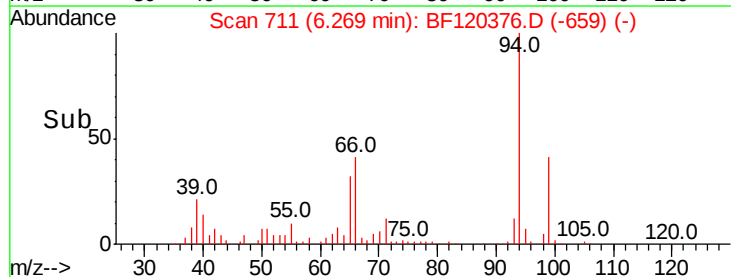
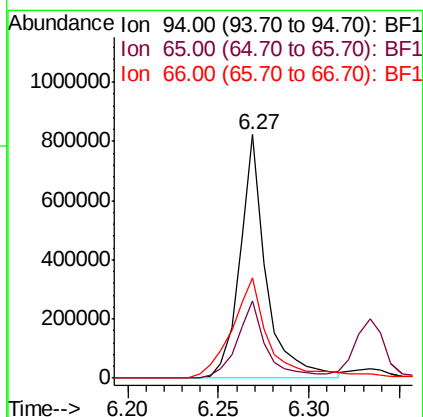
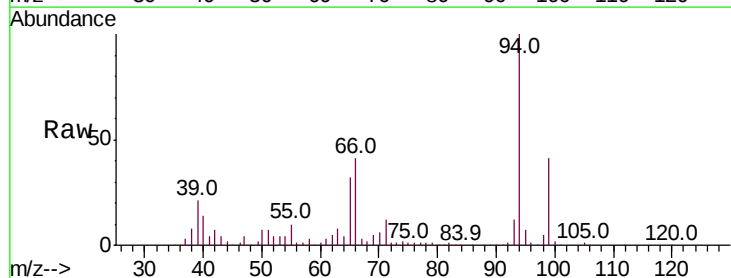
Tgt Ion: 94 Resp: 822480

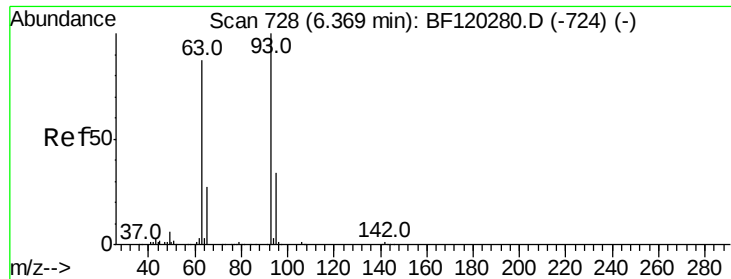
Ion Ratio Lower Upper

94 100

65 31.9 24.1 64.1

66 41.2 47.5 87.5#

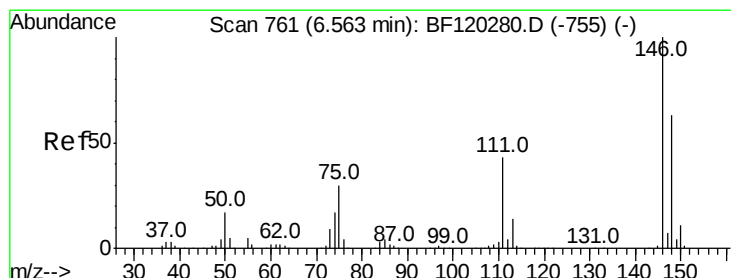
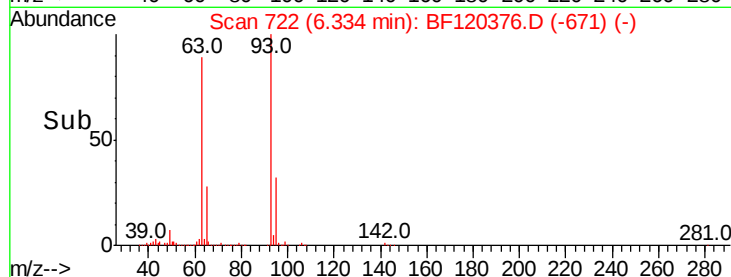
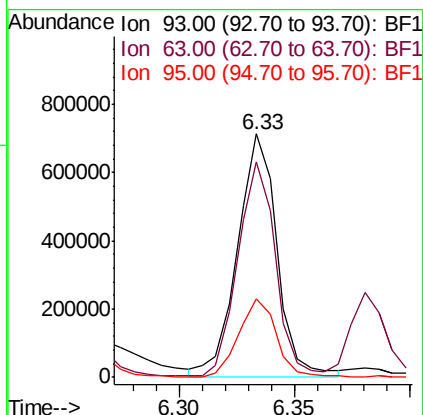
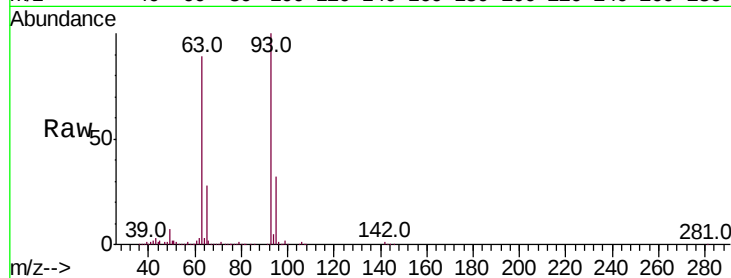




#11
bis(2-Chloroethyl)ether
Concen: 46.953 ng
RT: 6.33 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

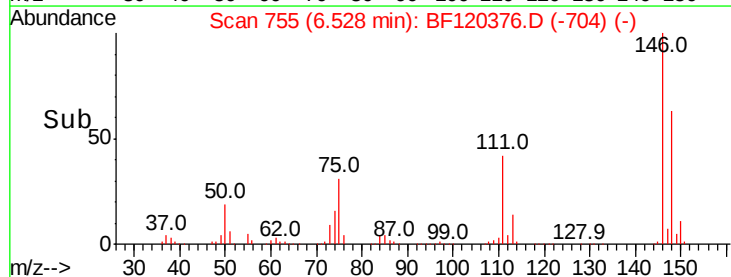
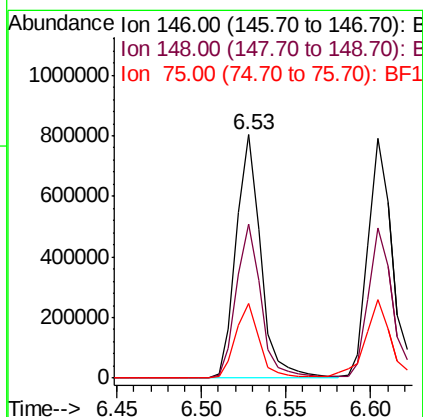
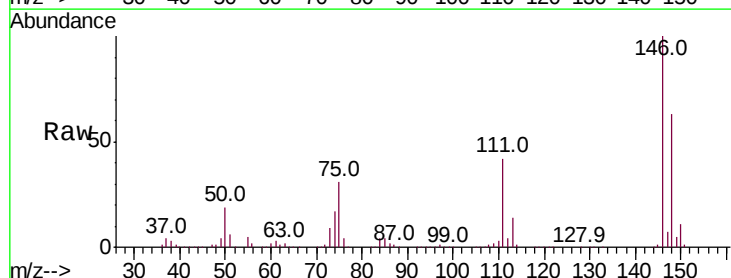
Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

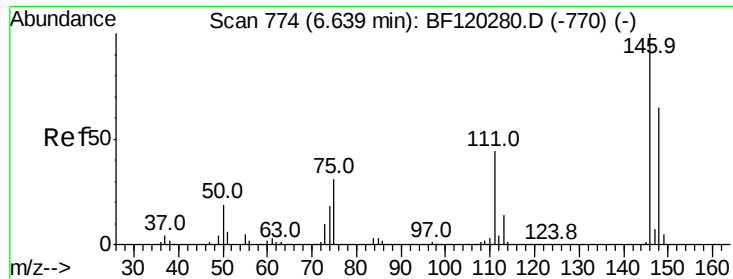
Tot Ion: 93 Resp: 850729
Ion Ratio Lower Upper
93 100
63 88.6 65.4 105.4
95 32.5 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 42.517 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion: 146 Resp: 815068
Ion Ratio Lower Upper
146 100
148 63.4 50.5 75.7
75 30.8 24.2 36.4

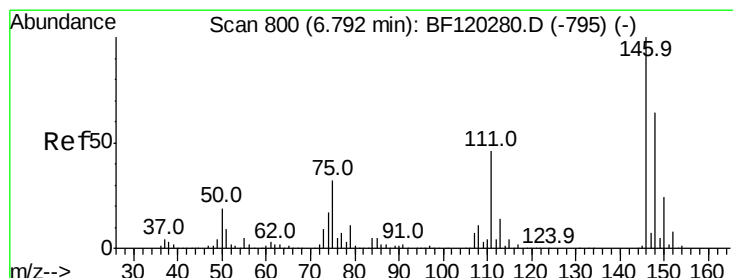
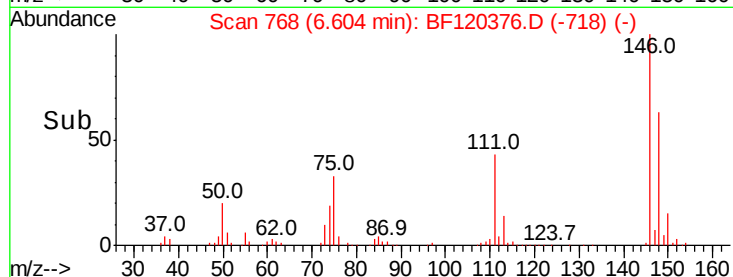
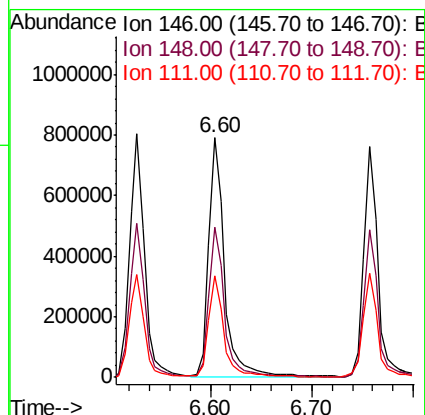
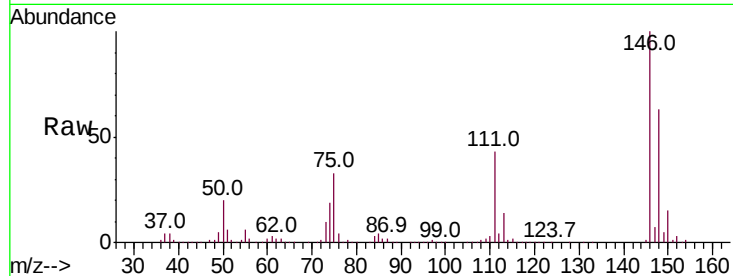




#13
 1,4-Dichlorobenzene
 Concen: 43.367 ng
 RT: 6.60 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

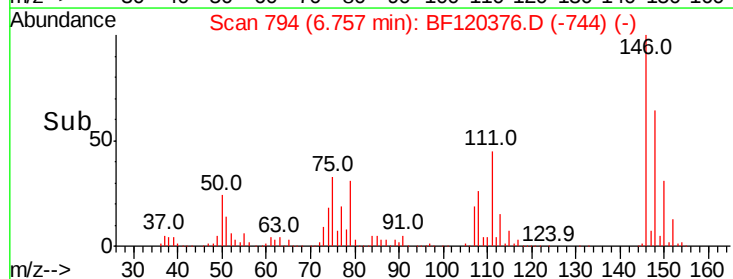
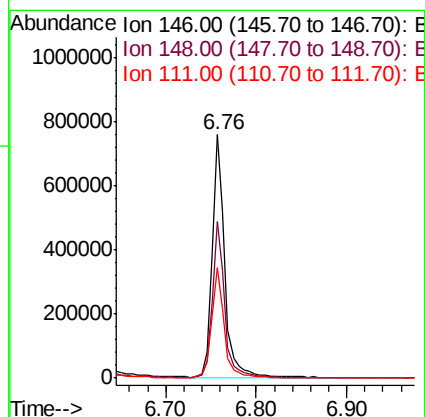
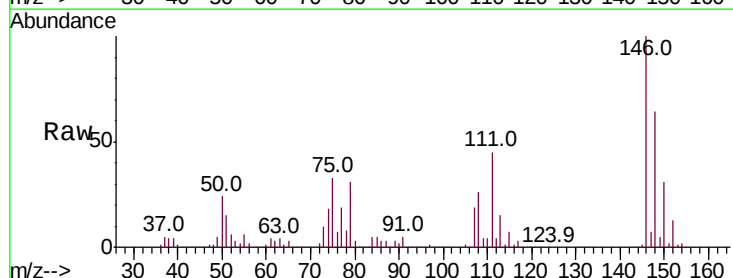
Instrument :
 BNA_M
 ClientSampleId :
 HD-02-051920MSD

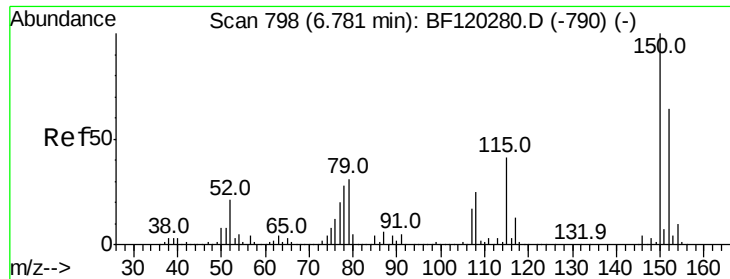
Tot Ion:146 Resp: 856252
 Ion Ratio Lower Upper
 146 100
 148 62.9 51.6 77.4
 111 42.5 35.1 52.7



#14
 1,2-Dichlorobenzene
 Concen: 41.954 ng
 RT: 6.76 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion:146 Resp: 745961
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.1 76.7
 111 45.2 36.6 55.0





#15

Benzyl Alcohol

Concen: 46.357 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

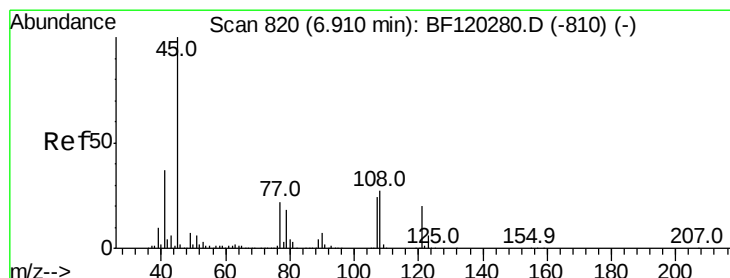
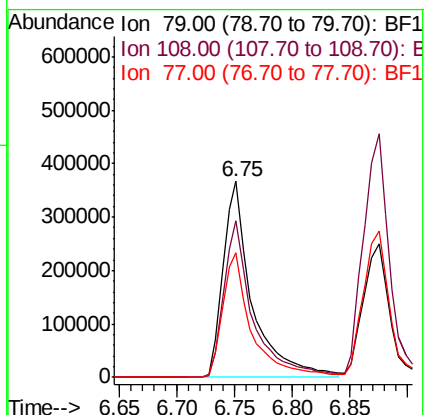
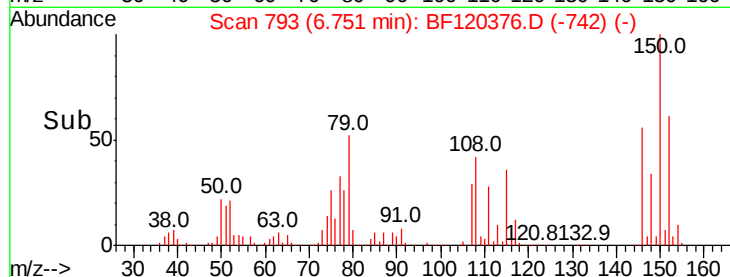
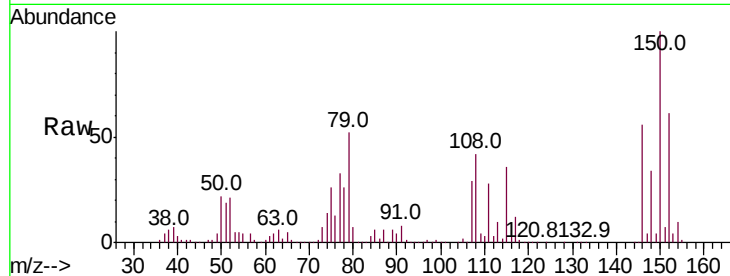
Tot Ion: 79 Resp: 639931

Ion Ratio Lower Upper

79 100

108 79.8 64.2 96.4

77 63.8 51.6 77.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.228 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

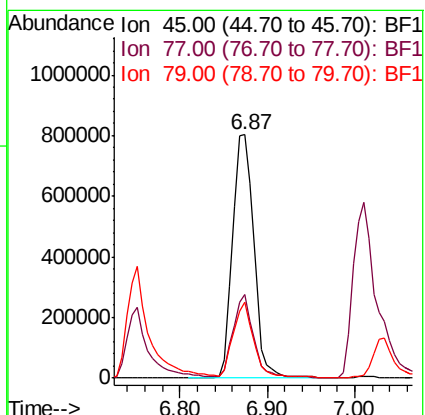
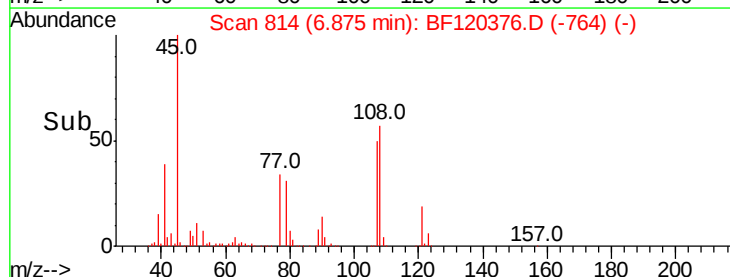
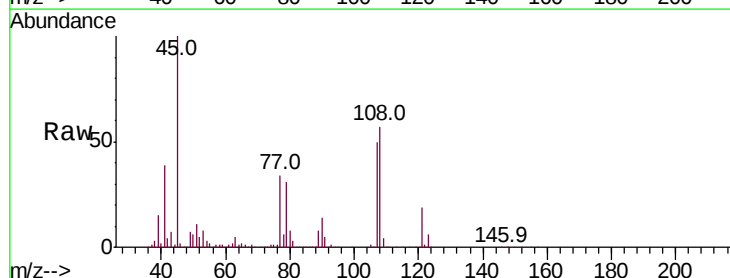
Tgt Ion: 45 Resp: 1319973

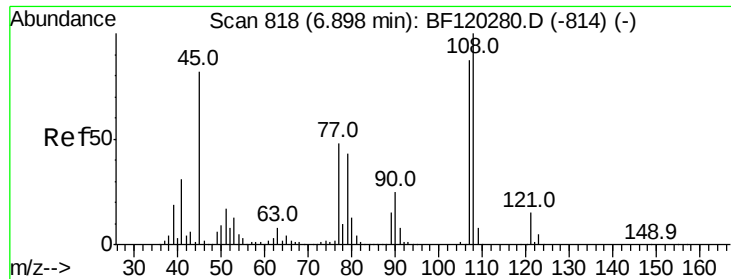
Ion Ratio Lower Upper

45 100

77 34.2 3.1 43.1

79 31.2 0.0 40.0

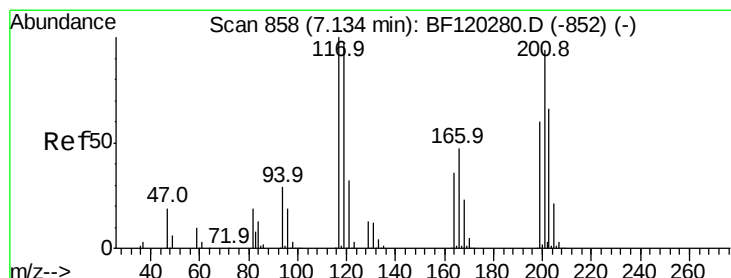
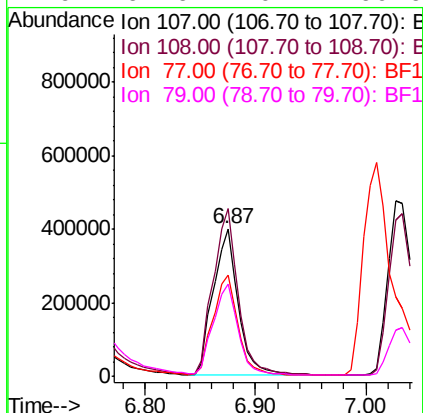
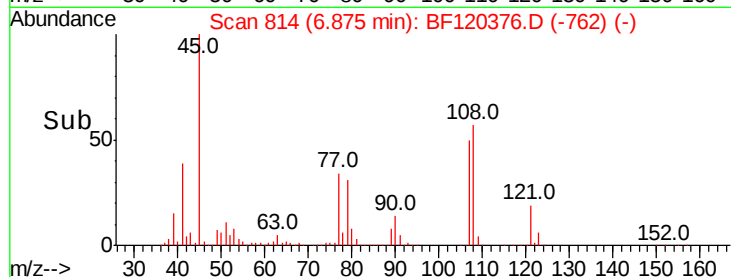
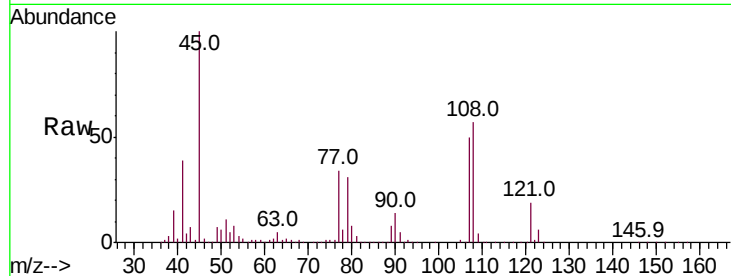




#17
2-Methylphenol
Concen: 41.698 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

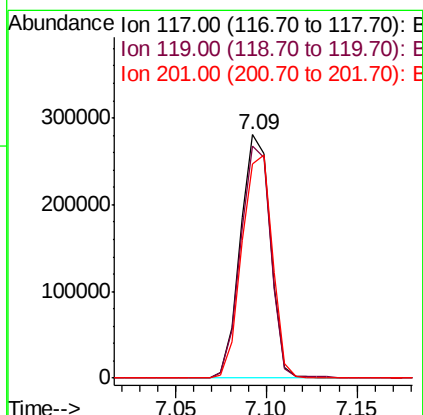
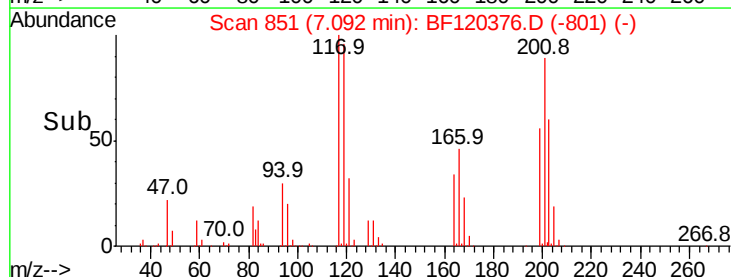
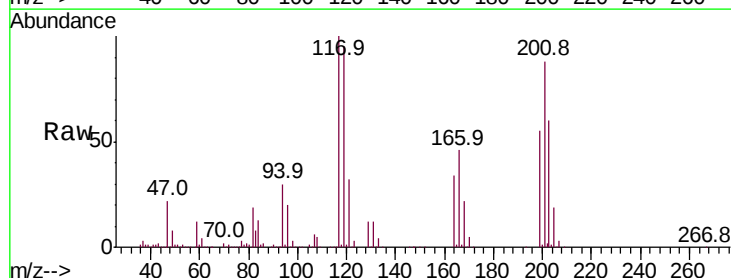
Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

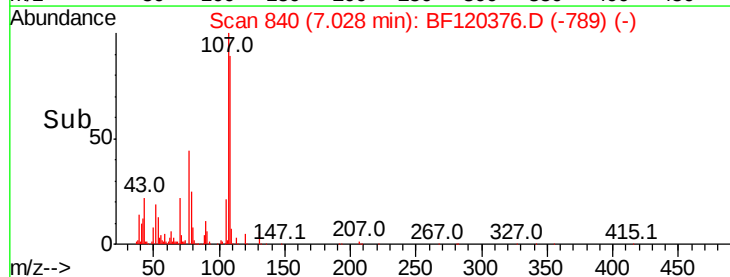
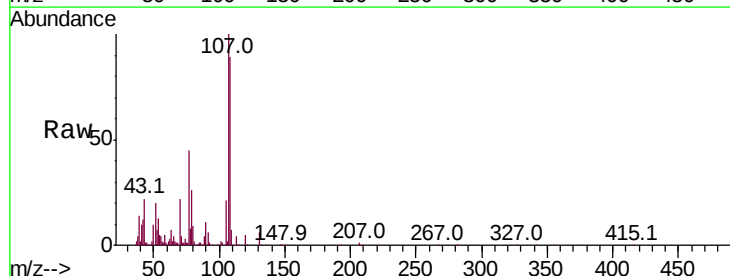
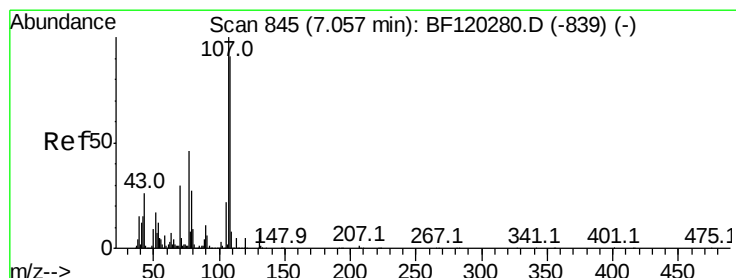
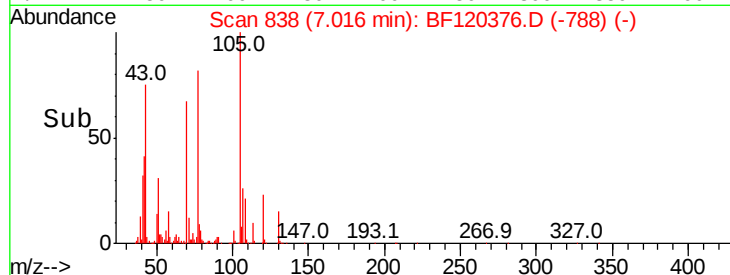
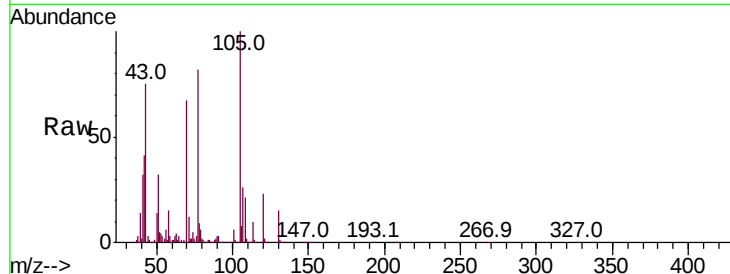
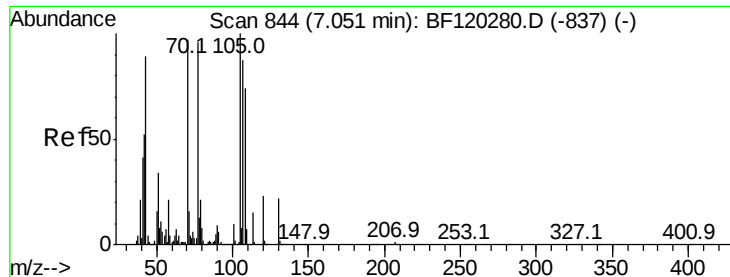
Tot Ion:107 Resp: 630643
Ion Ratio Lower Upper
107 100
108 113.8 92.4 138.6
77 68.6 44.5 66.7#
79 62.6 40.4 60.6#



#18
Hexachloroethane
Concen: 42.717 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:117 Resp: 321305
Ion Ratio Lower Upper
117 100
119 95.4 77.4 116.0
201 88.1 74.9 112.3

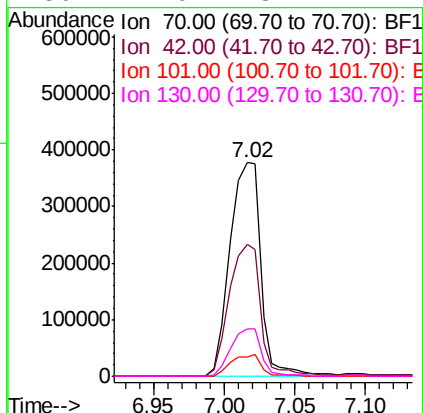




#19
n-Nitroso-di-n-propylamine
Concen: 45.360 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

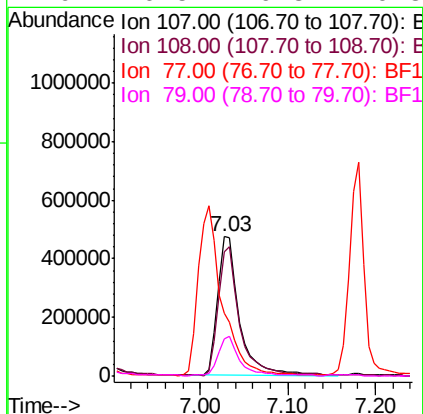
Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

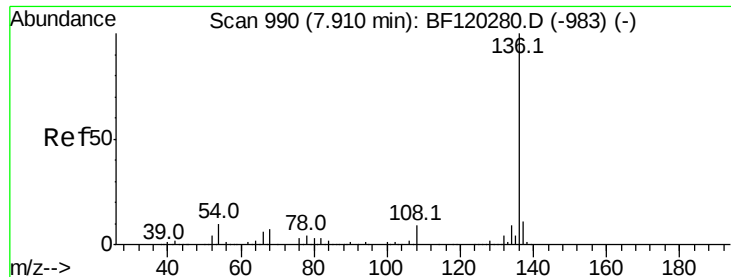
Tot Ion: 70 Resp: 577417
Ion Ratio Lower Upper
70 100
42 61.7 43.4 65.0
101 9.0 7.8 11.8
130 22.0 18.2 27.4



#20
3+4-Methylphenols
Concen: 41.526 ng
RT: 7.03 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:107 Resp: 816547
Ion Ratio Lower Upper
107 100
108 89.1 71.1 111.1
77 45.1 28.1 68.1
79 26.5 6.8 46.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

Tot Ion:136 Resp: 1221856

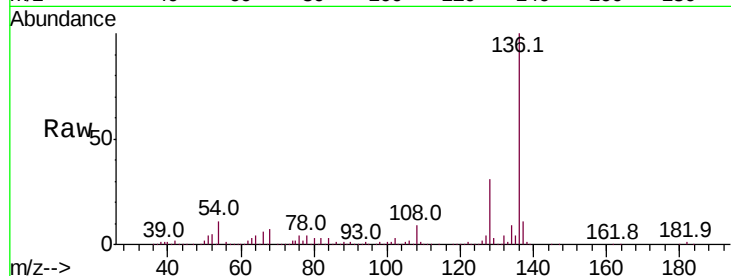
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 10.6 7.9 11.9

68 6.6 5.4 8.2

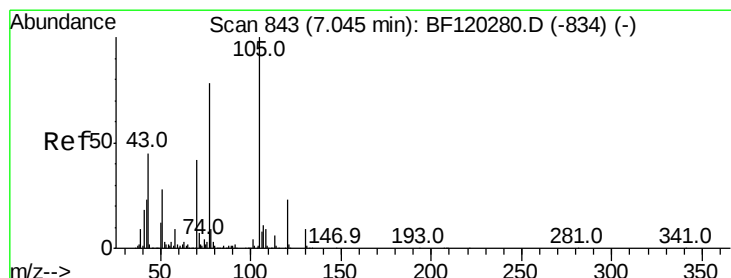
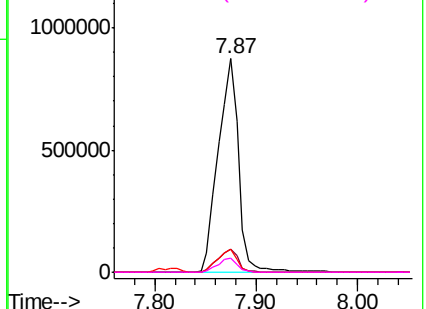
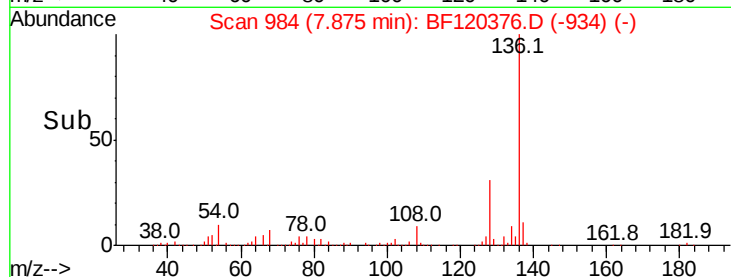


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.891 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Tgt Ion:105 Resp: 1148705

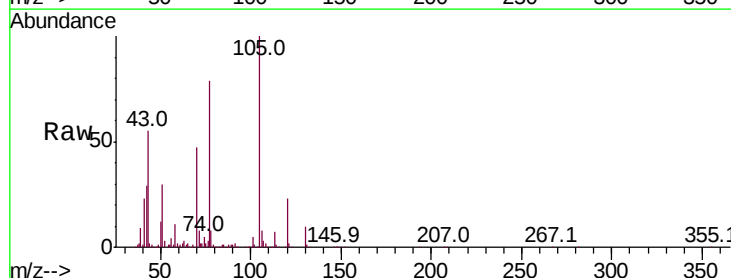
Ion Ratio Lower Upper

105 100

71 7.6 5.6 8.4

51 30.2 22.6 34.0

120 22.6 18.7 28.1

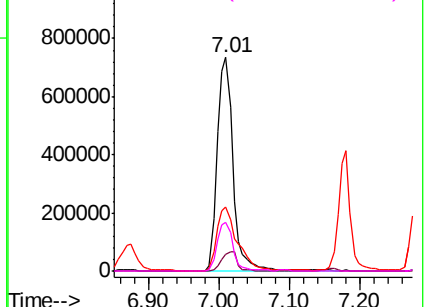
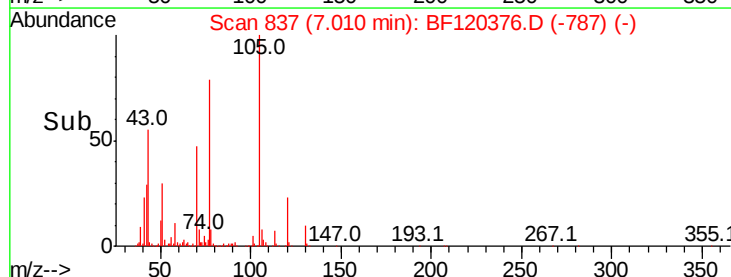


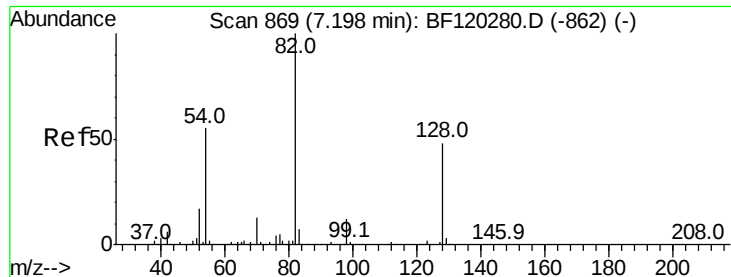
Abundance Ion 105.00 (104.70 to 105.70): E

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

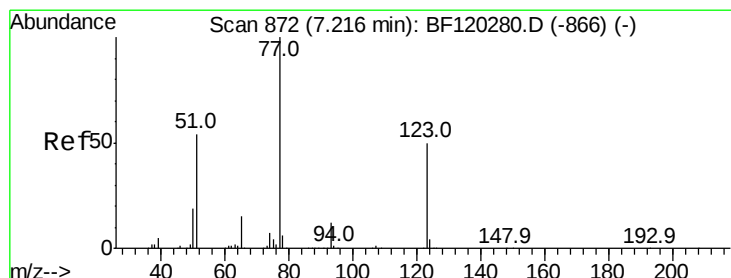
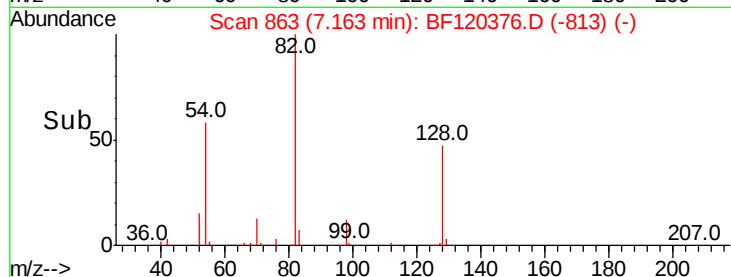
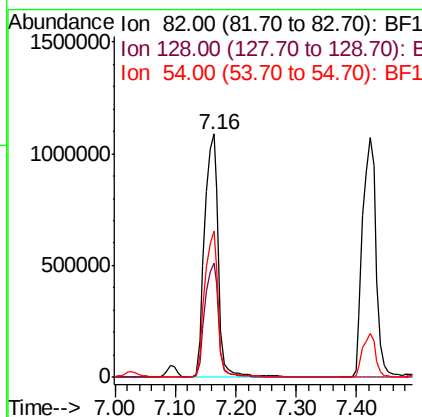
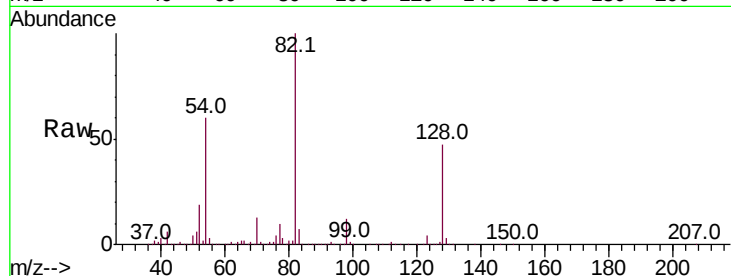




#23
Nitrobenzene-d5
Concen: 98.061 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

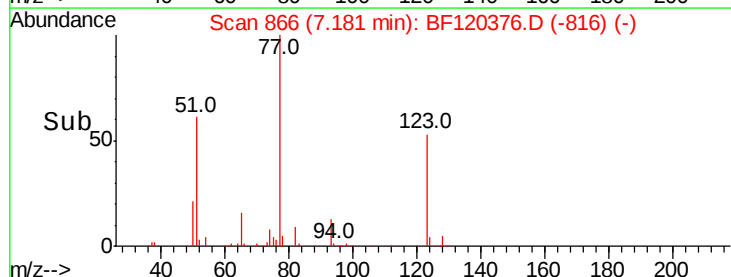
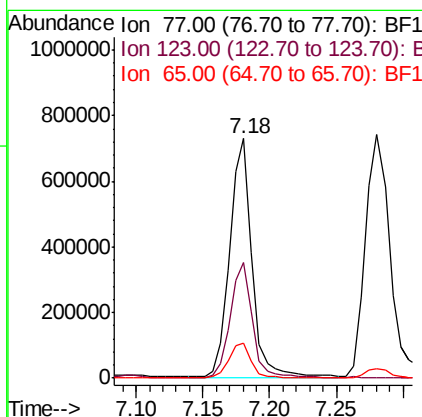
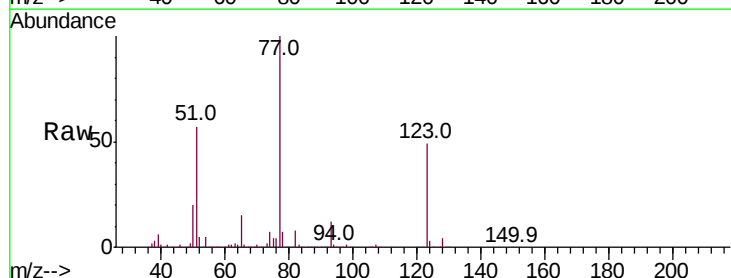
Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

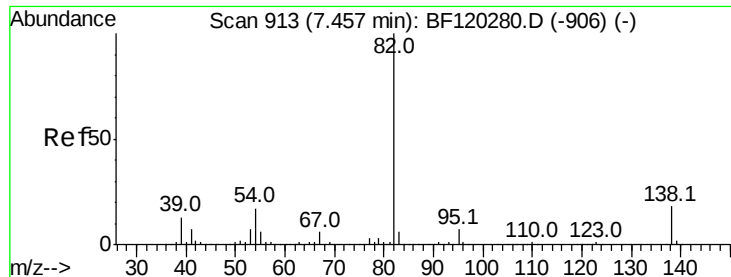
Tot Ion: 82 Resp: 1749992
Ion Ratio Lower Upper
82 100
128 47.0 38.3 57.5
54 60.3 43.9 65.9



#24
Nitrobenzene
Concen: 44.754 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion: 77 Resp: 859561
Ion Ratio Lower Upper
77 100
123 48.5 40.0 60.0
65 14.5 11.7 17.5





#25

Isophorone

Concen: 44.138 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

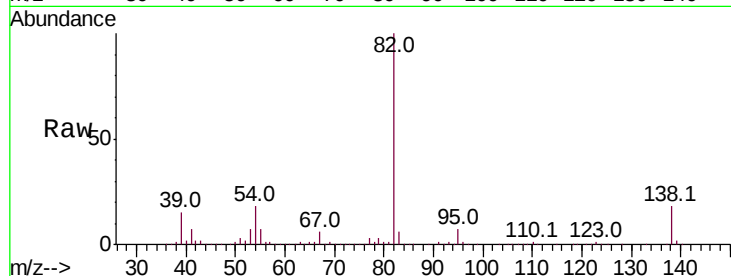
Tot Ion: 82 Resp: 1638940

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.0

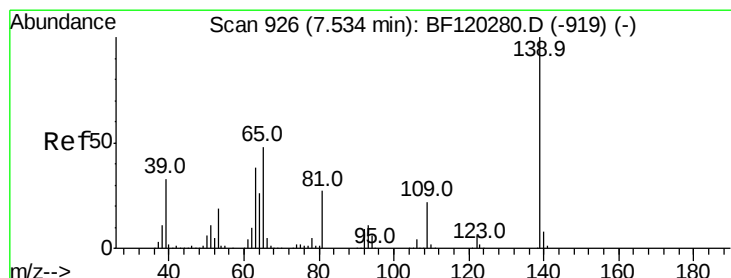
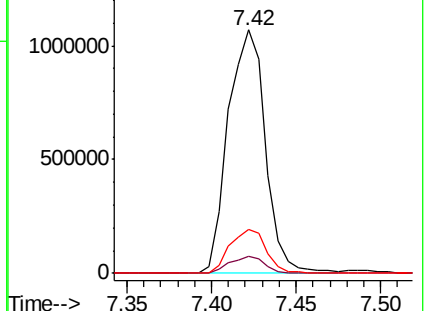
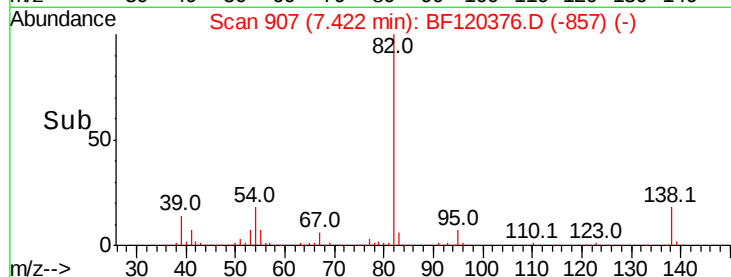
138 18.1 14.7 22.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 45.967 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

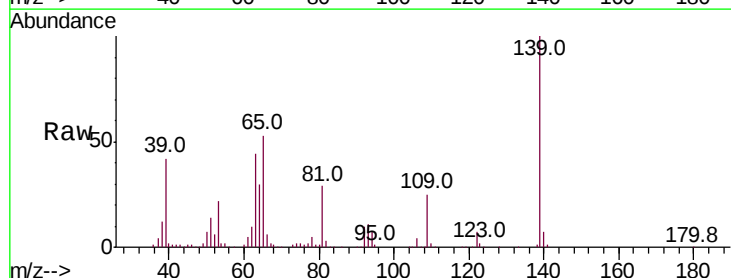
Tgt Ion: 139 Resp: 461730

Ion Ratio Lower Upper

139 100

109 24.9 17.7 26.5

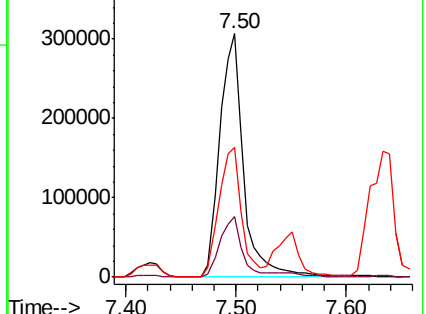
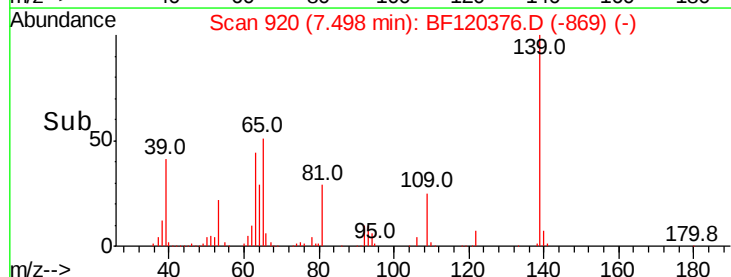
65 53.3 38.3 57.5

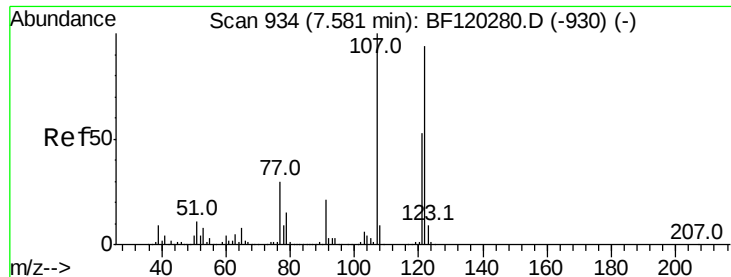


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

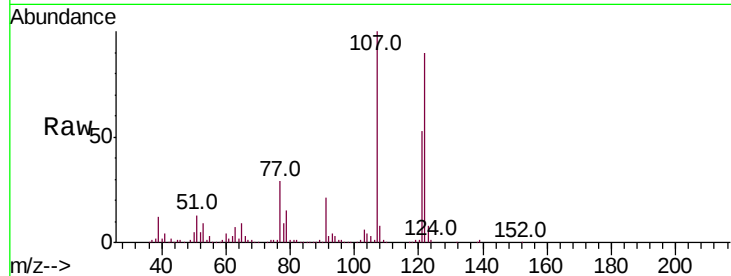




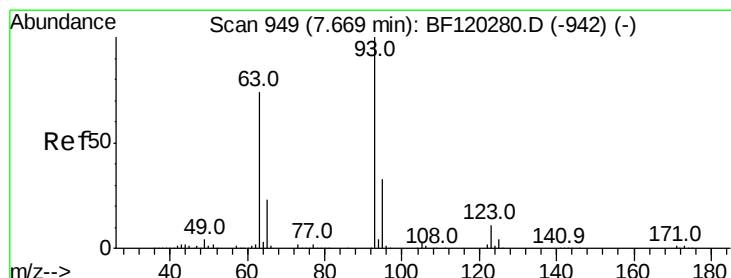
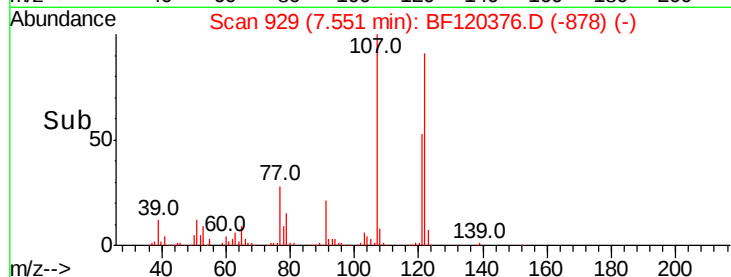
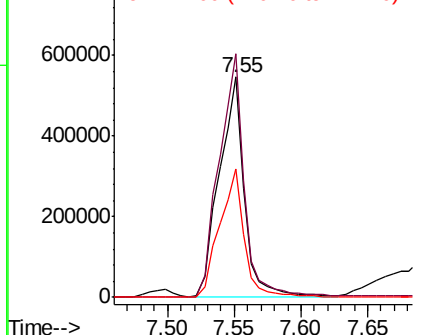
#27
2,4-Dimethylphenol
Concen: 49.090 ng
RT: 7.55 min Scan# 929
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

Tot Ion:122 Resp: 717298
Ion Ratio Lower Upper
122 100
107 110.5 85.0 127.6
121 58.0 45.1 67.7

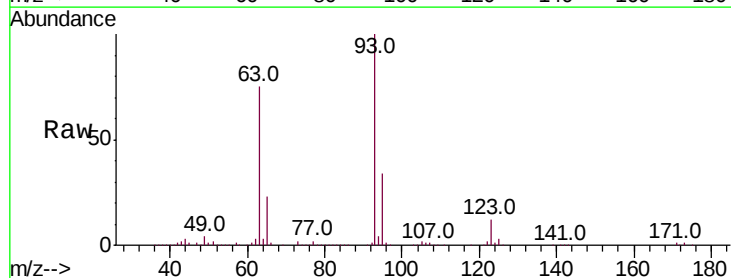


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

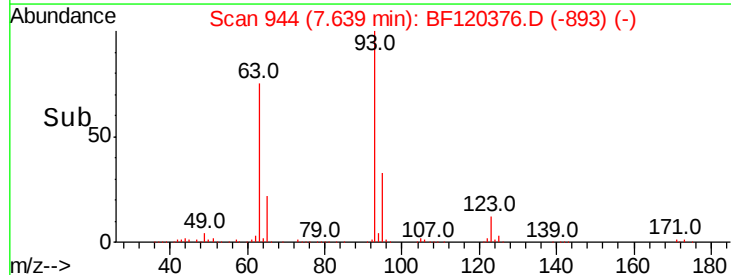
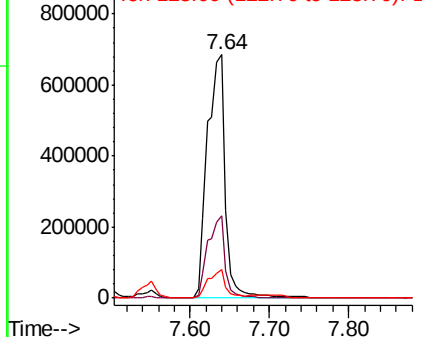


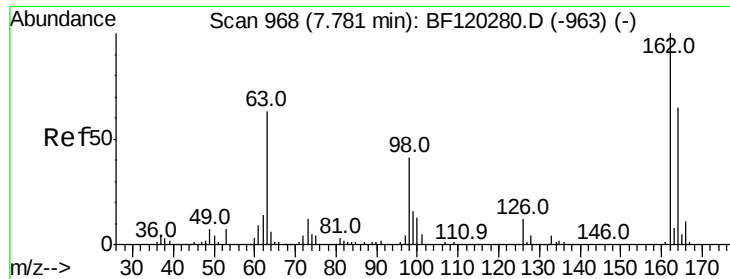
#28
bis(2-Chloroethoxy)methane
Concen: 46.378 ng
RT: 7.64 min Scan# 944
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion: 93 Resp: 1082420
Ion Ratio Lower Upper
93 100
95 33.6 26.8 40.2
123 11.8 9.2 13.8



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E

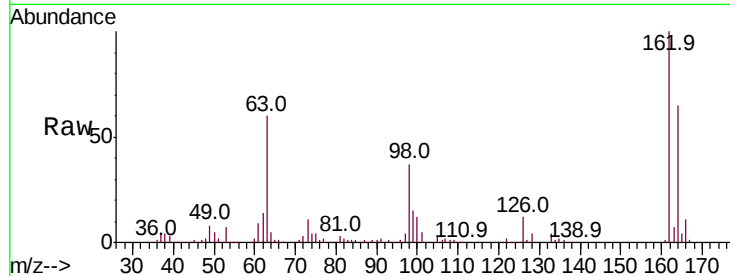




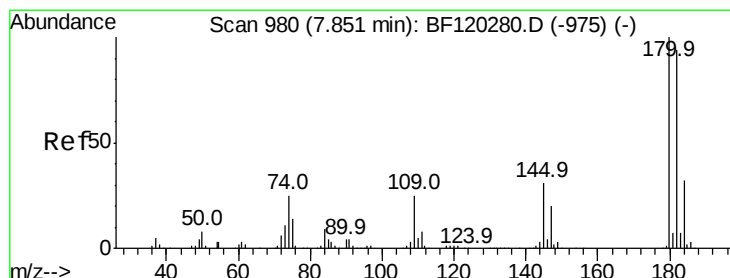
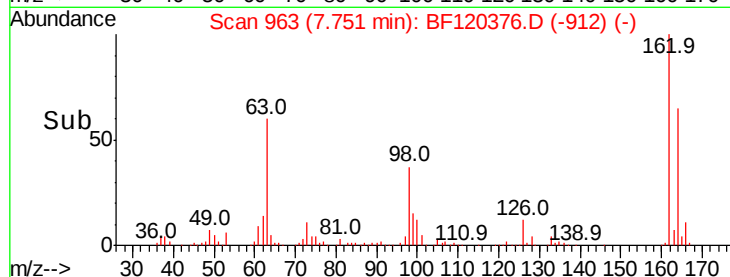
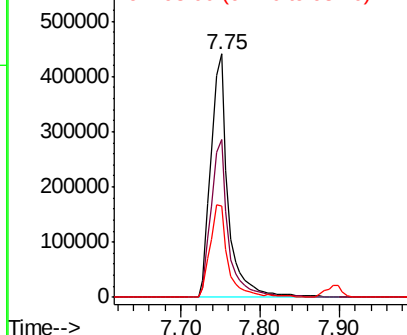
#29
 2,4-Dichlorophenol
 Concen: 44.910 ng
 RT: 7.75 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-051920MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.9	84.9
98	37.3	20.7	60.7

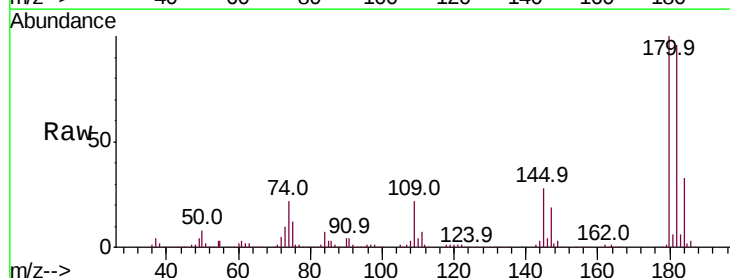


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

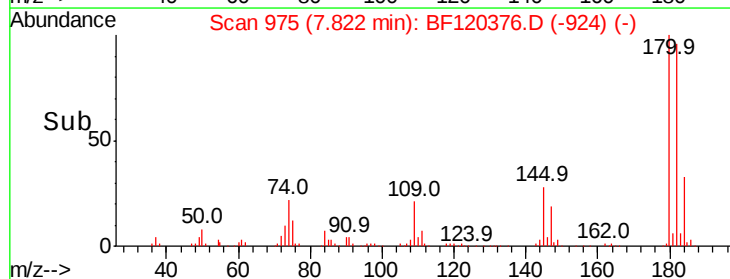
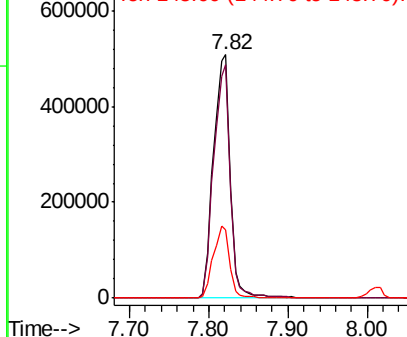


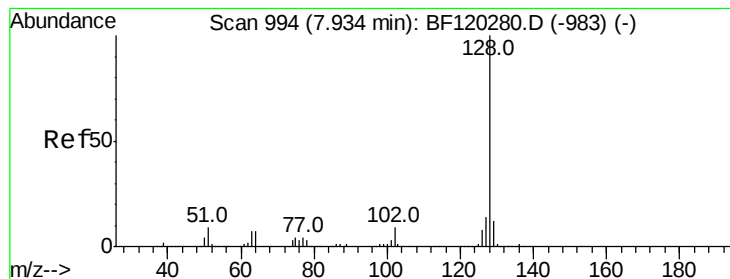
#30
 1,2,4-Trichlorobenzene
 Concen: 45.118 ng
 RT: 7.82 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.3	112.9
145	28.1	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: 47.849 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

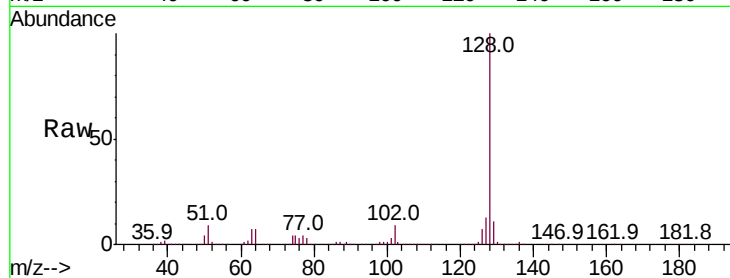
Tot Ion:128 Resp: 2467471

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

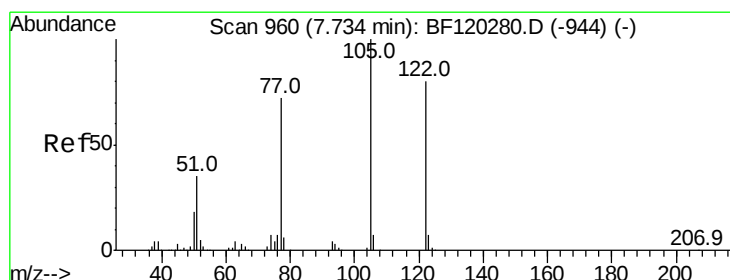
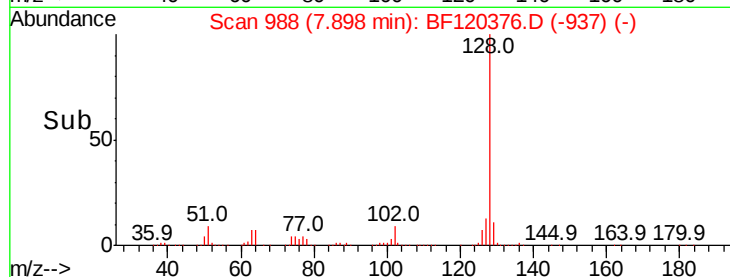
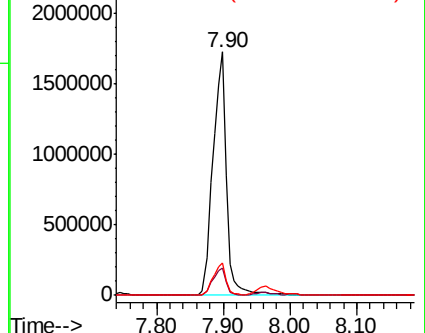
127 13.4 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 37.606 ng

RT: 7.71 min Scan# 956

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

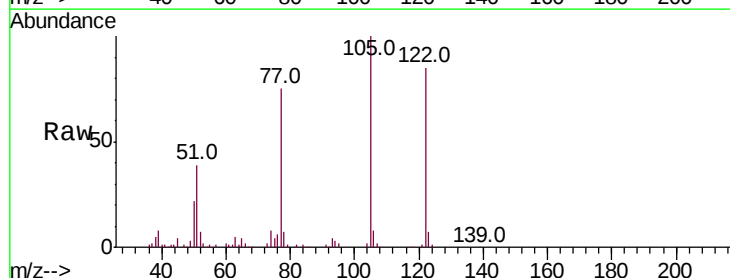
Tgt Ion:122 Resp: 360177

Ion Ratio Lower Upper

122 100

105 117.2 98.1 138.1

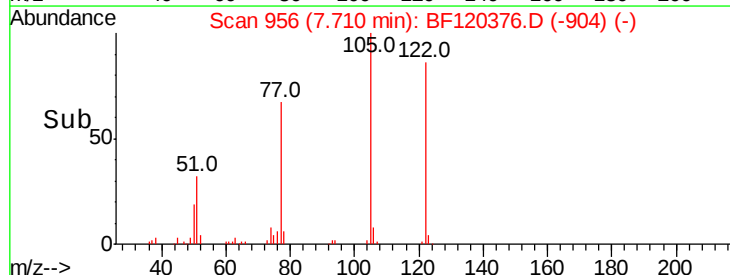
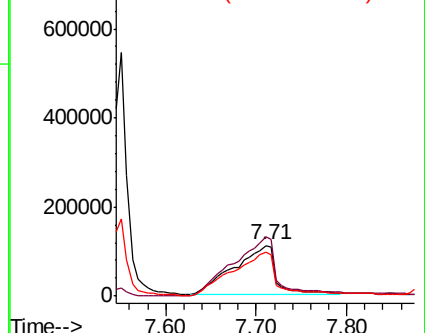
77 88.4 66.7 106.7

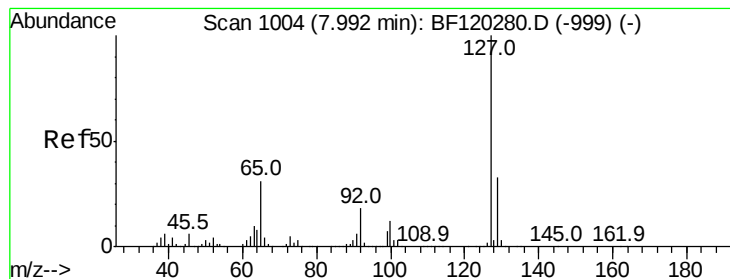


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 6.148 ng

RT: 7.96 min Scan# 999

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

Tot Ion:127 Resp: 144474

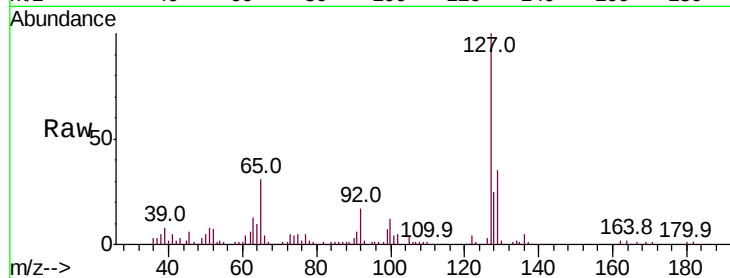
Ion Ratio Lower Upper

127 100

129 35.0 26.4 39.6

65 31.4 24.8 37.2

92 17.0 14.5 21.7

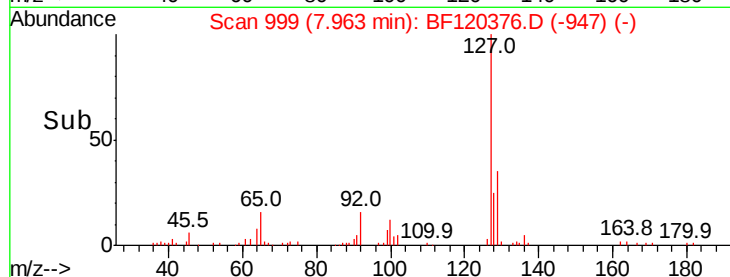


Abundance Ion 127.00 (126.70 to 127.70): E

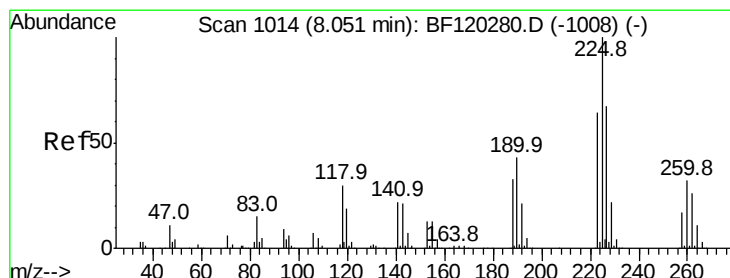
Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



Time-->



#34

Hexachlorobutadiene

Concen: 42.838 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

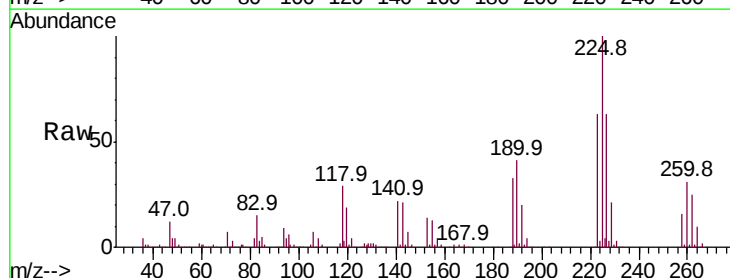
Tgt Ion:225 Resp: 411771

Ion Ratio Lower Upper

225 100

223 62.6 51.4 77.0

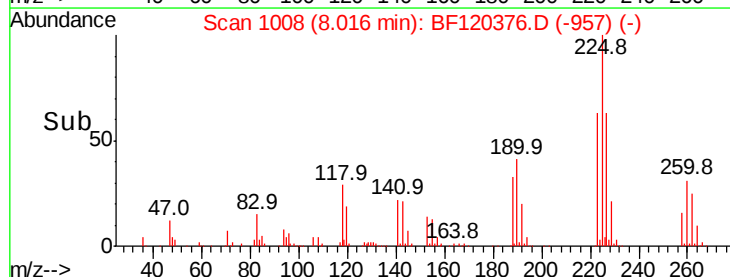
227 63.1 54.0 81.0



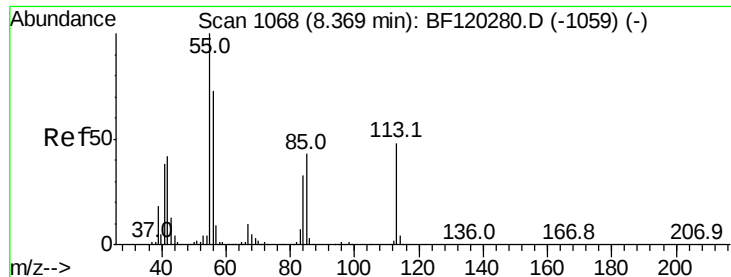
Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



Time-->



#35

Caprolactam

Concen: 17.311 ng

RT: 8.35 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

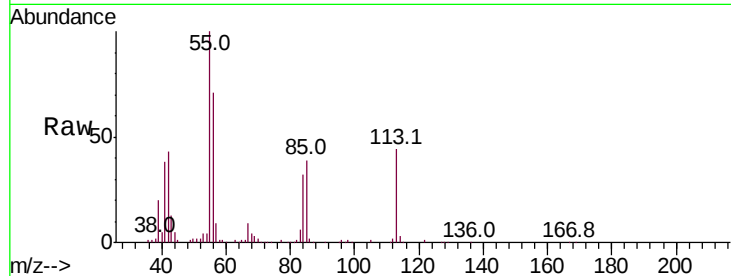
Tot Ion:113 Resp: 84992

Ion Ratio Lower Upper

113 100

55 228.9 190.4 230.4

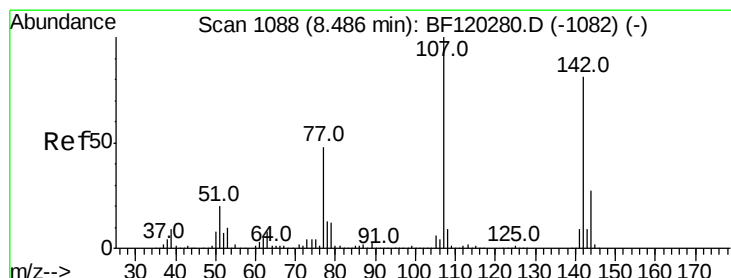
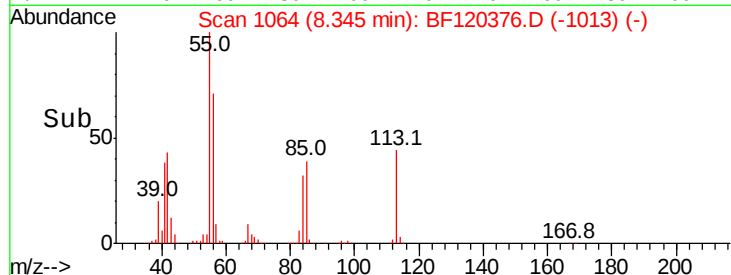
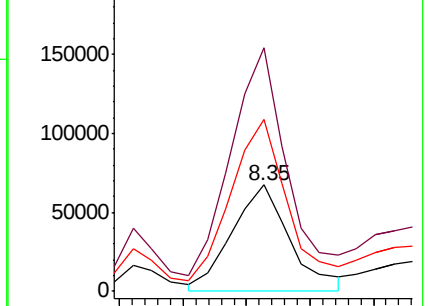
56 162.0 132.7 172.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 44.099 ng

RT: 8.46 min Scan# 1084

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

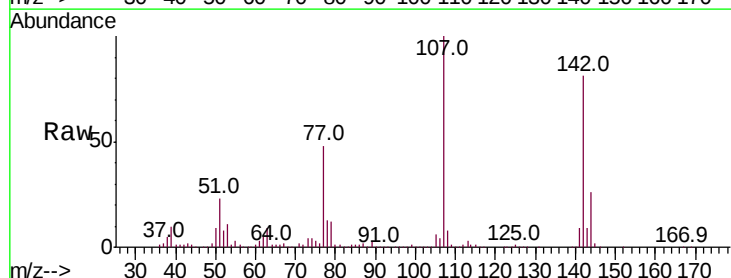
Tgt Ion:107 Resp: 715929

Ion Ratio Lower Upper

107 100

144 26.2 21.4 32.2

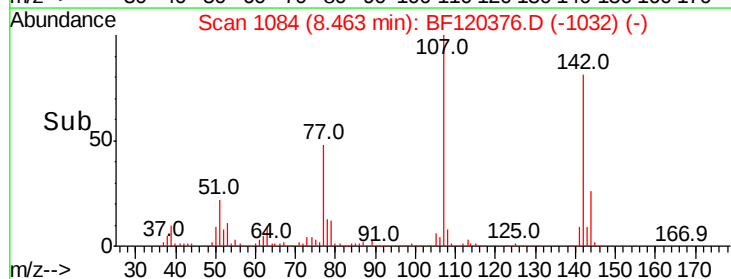
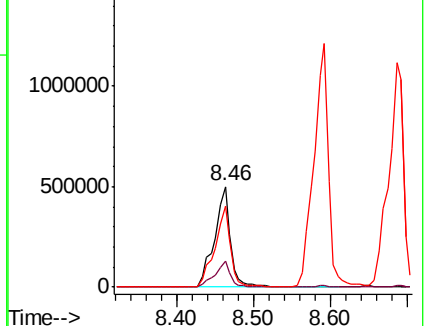
142 80.8 65.1 97.7

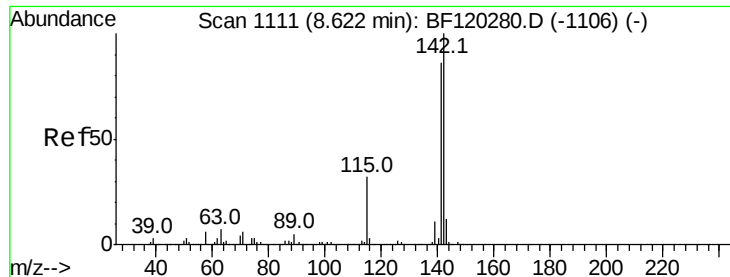


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

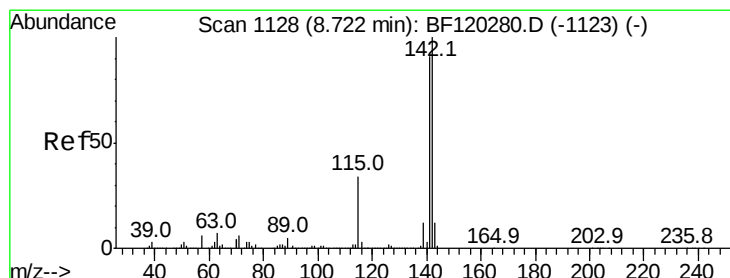
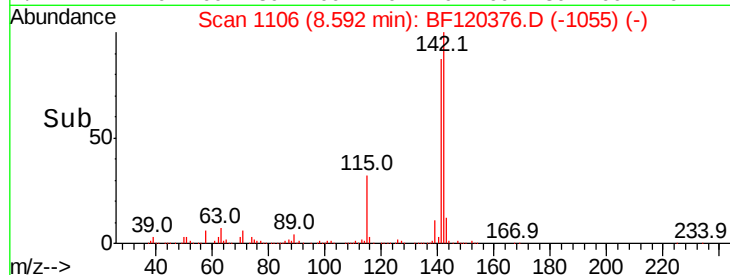
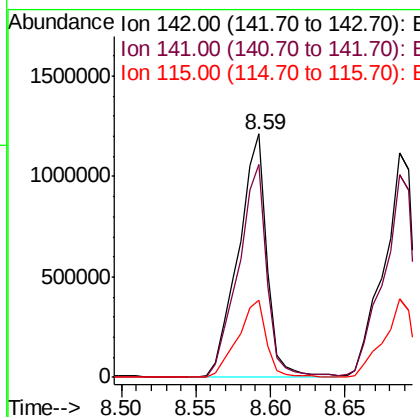
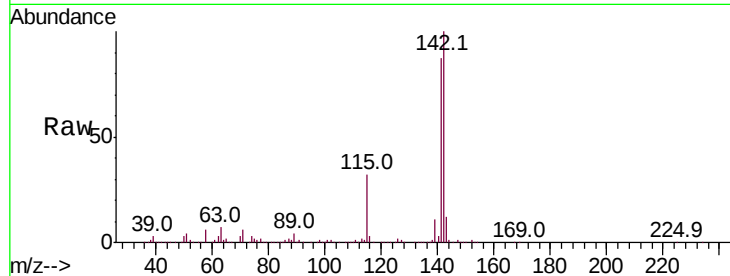




#37
 2-Methylnaphthalene
 Concen: 45.982 ng
 RT: 8.59 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

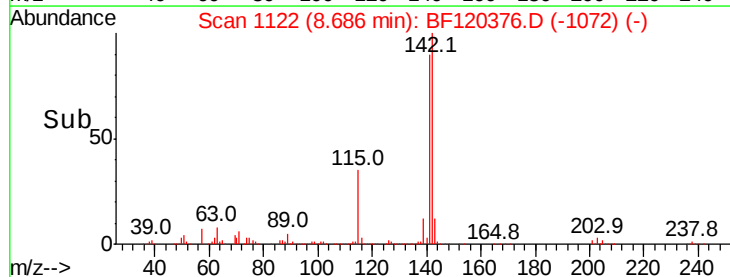
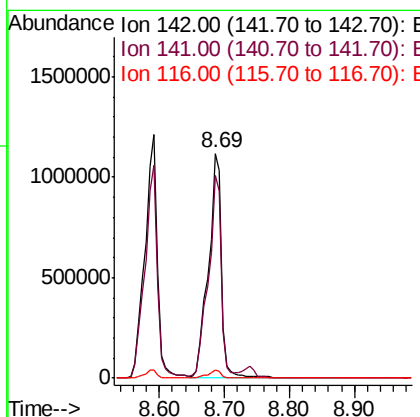
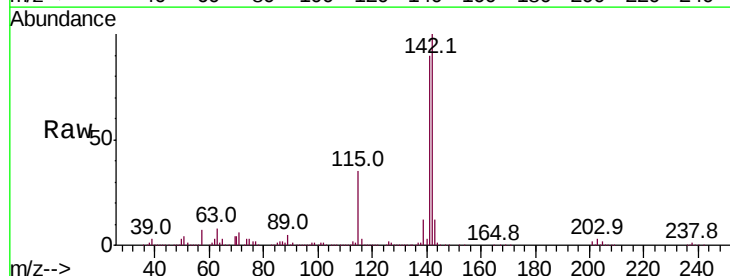
Instrument :
 BNA_M
 ClientSampleId :
 HD-02-051920MSD

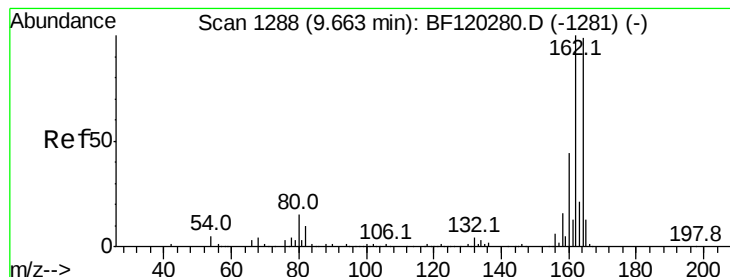
Tot Ion:142 Resp: 1622660
 Ion Ratio Lower Upper
 142 100
 141 87.3 68.8 103.2
 115 31.8 25.7 38.5



#38
 1-Methylnaphthalene
 Concen: 45.566 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion:142 Resp: 1559578
 Ion Ratio Lower Upper
 142 100
 141 90.4 73.0 109.6
 116 3.5 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

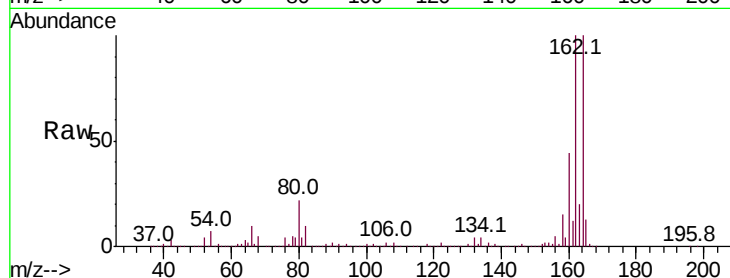
Tot Ion:164 Resp: 621268

Ion Ratio Lower Upper

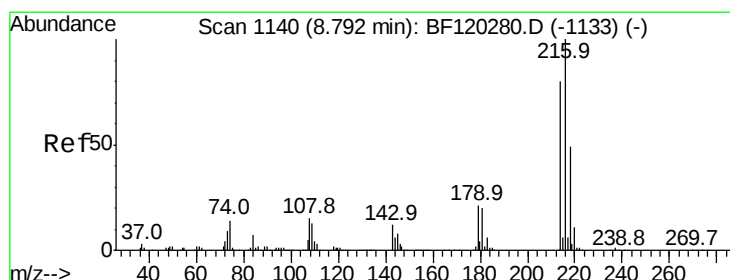
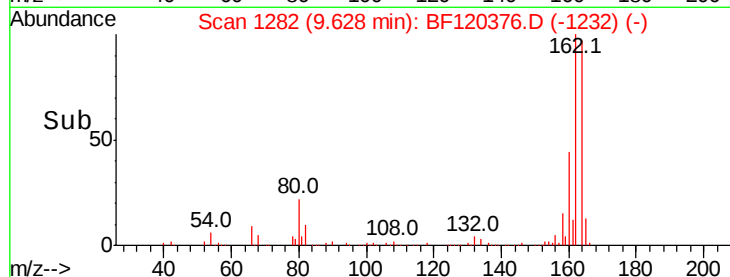
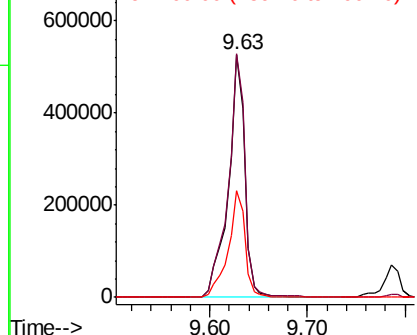
164 100

162 100.2 81.2 121.8

160 44.1 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.995 ng

RT: 8.76 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Tgt Ion:216 Resp: 720533

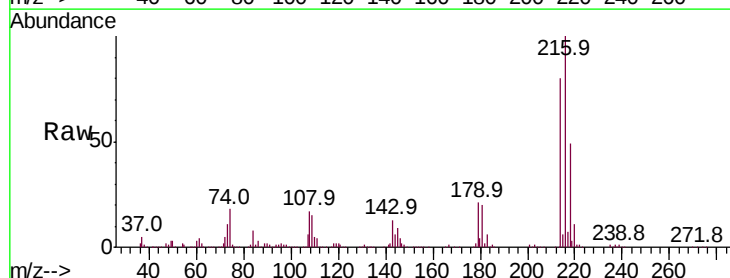
Ion Ratio Lower Upper

216 100

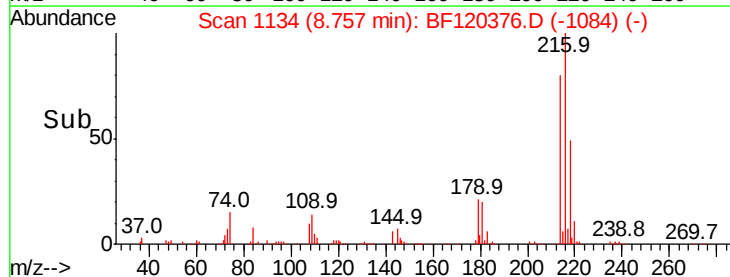
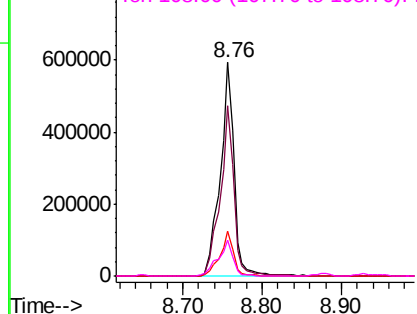
214 78.6 64.0 96.0

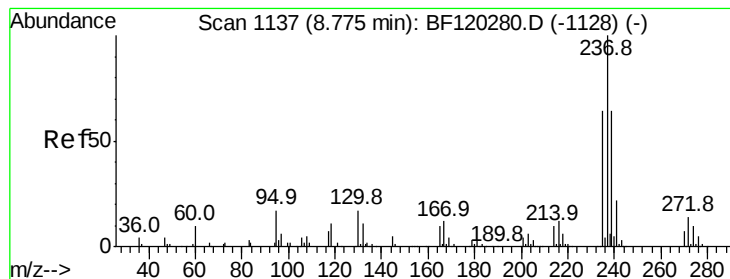
179 20.6 16.9 25.3

108 18.3 14.2 21.2



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 76.061 ng

RT: 8.74 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

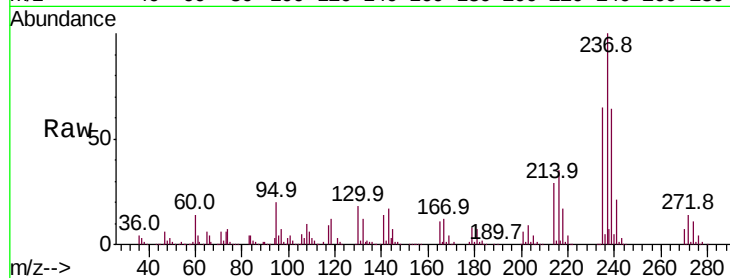
Tot Ion:237 Resp: 489215

Ion Ratio Lower Upper

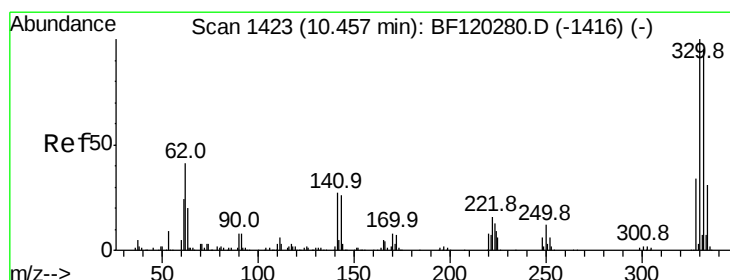
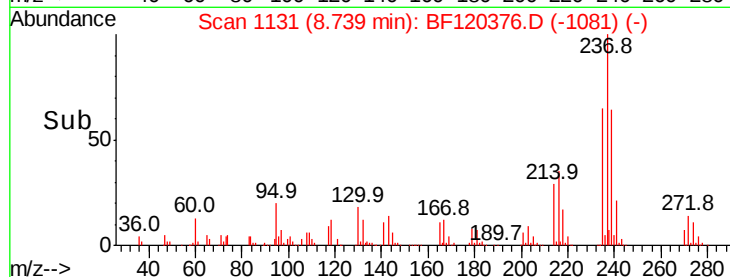
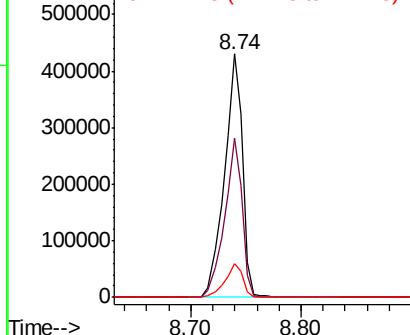
237 100

235 65.3 43.8 83.8

272 13.6 0.0 33.9



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: 129.074 ng

RT: 10.43 min Scan# 1418

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

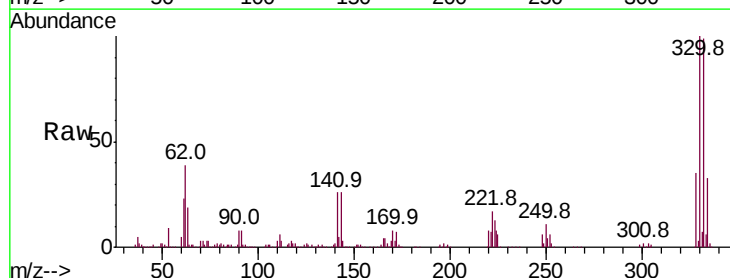
Tgt Ion:330 Resp: 653822

Ion Ratio Lower Upper

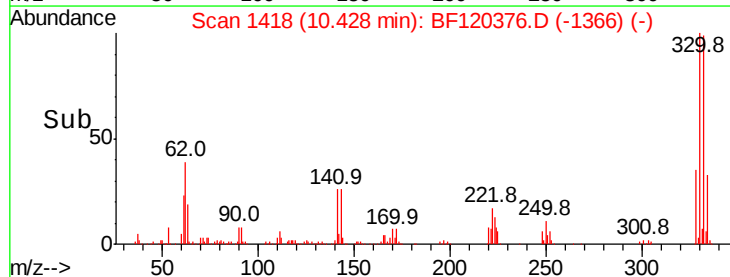
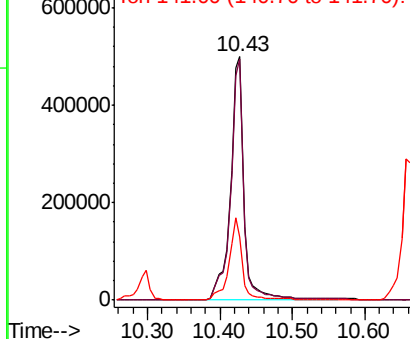
330 100

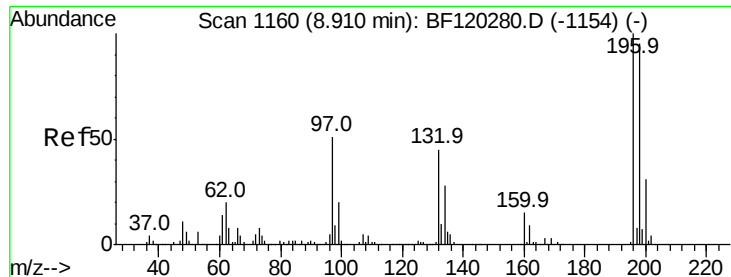
332 97.5 76.5 114.7

141 31.6 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

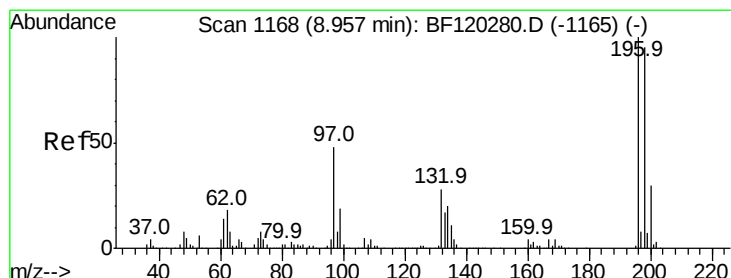
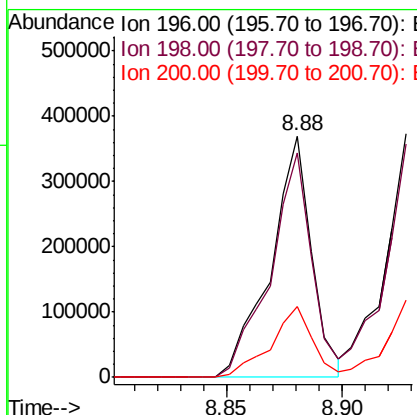
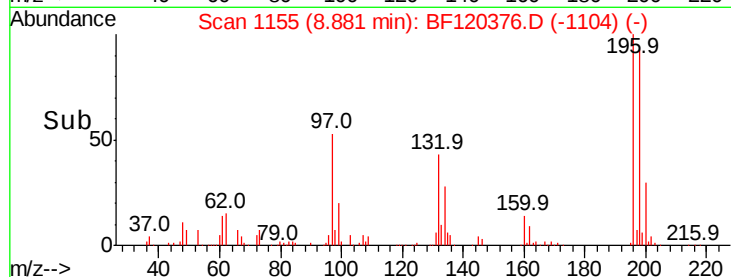
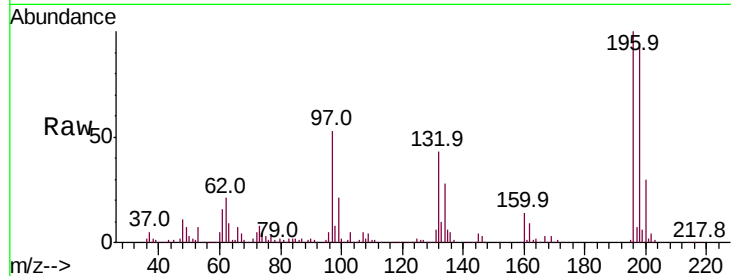




#43
 2,4,6-Trichlorophenol
 Concen: 43.293 ng
 RT: 8.88 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

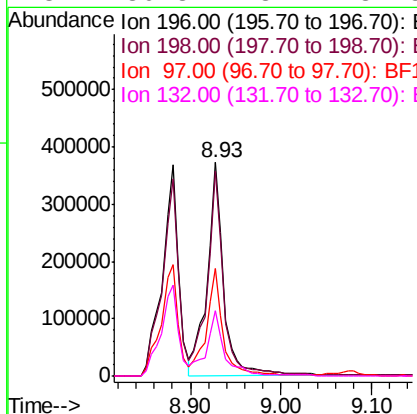
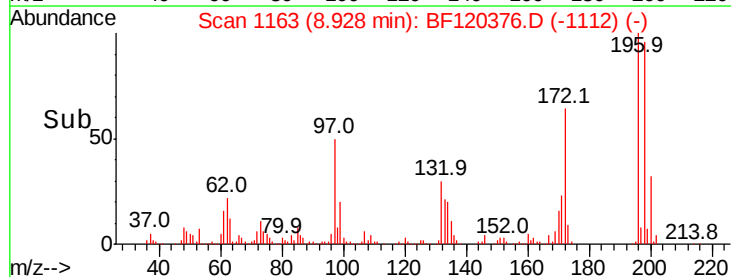
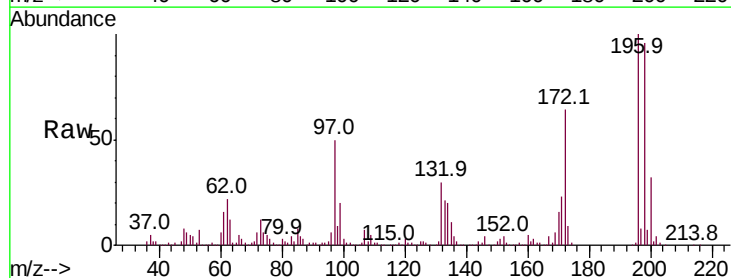
Instrument :
 BNA_M
 ClientSampleId :
 HD-02-051920MSD

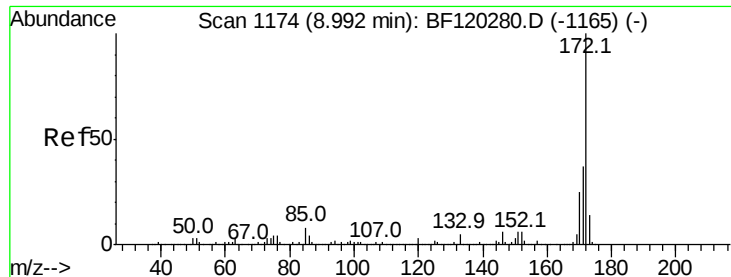
Tot Ion:	196	Resp:	455242
Ion	Ratio	Lower	Upper
196	100		
198	93.3	76.2	114.4
200	29.6	24.9	37.3



#44
 2,4,5-Trichlorophenol
 Concen: 39.462 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion:	196	Resp:	476553
Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.4
97	50.2	38.6	57.8
132	30.3	23.2	34.8

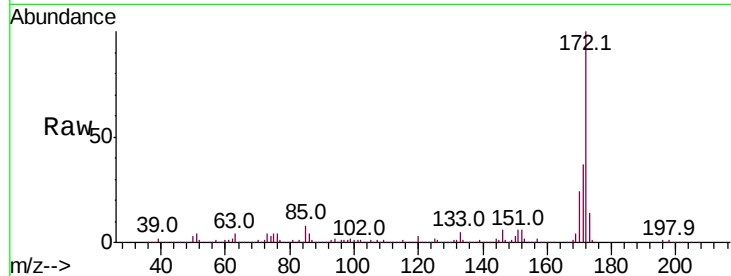




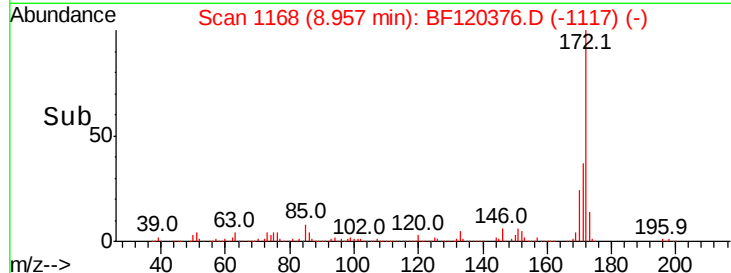
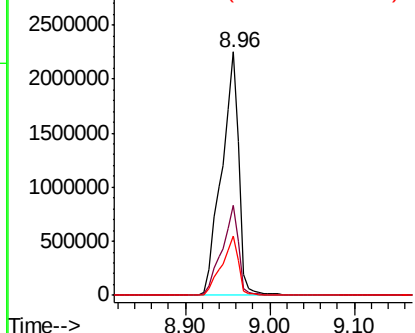
#45
2-Fluorobiphenyl
Concen: 105.357 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

Tot Ion:172 Resp: 3185980
Ion Ratio Lower Upper
172 100
171 36.9 29.7 44.5
170 24.4 19.9 29.9

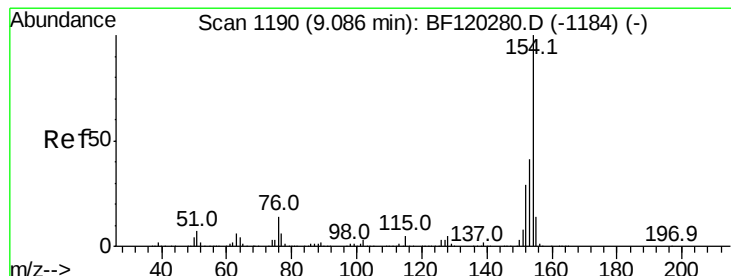


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

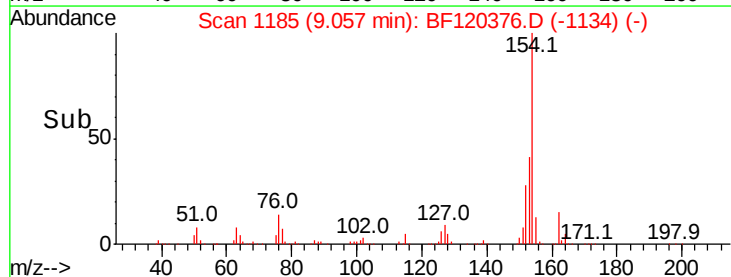
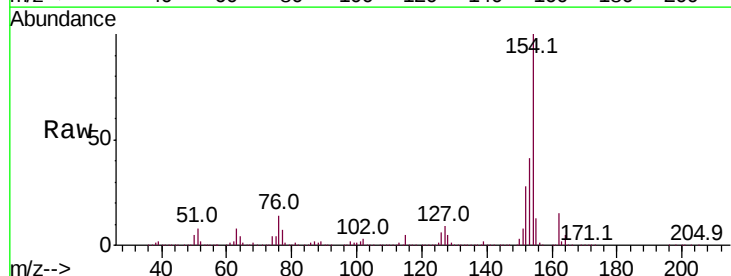
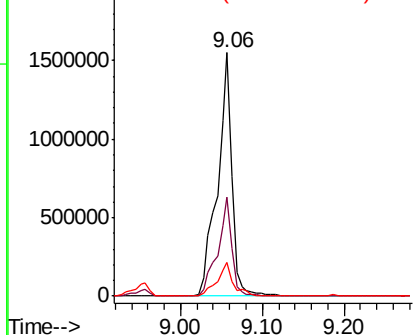


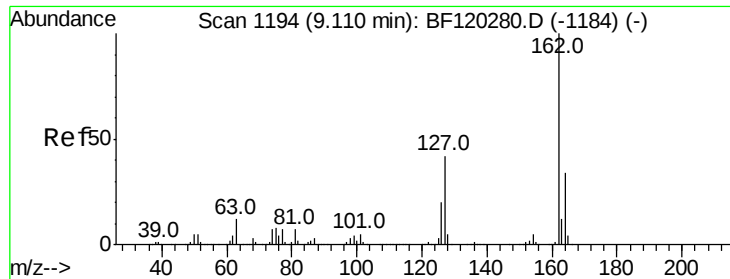
#46
1,1'-Biphenyl
Concen: 47.679 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:154 Resp: 1940834
Ion Ratio Lower Upper
154 100
153 40.8 20.8 60.8
76 13.9 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



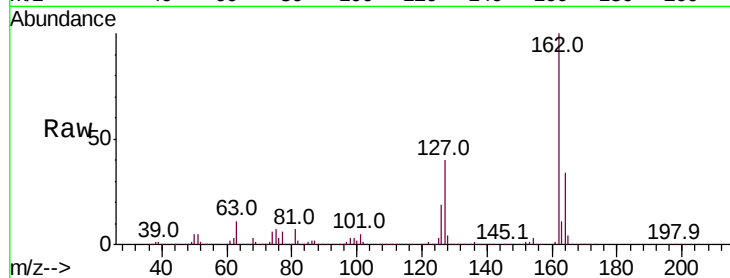


#47
 2-Chloronaphthalene
 Concen: 44.140 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

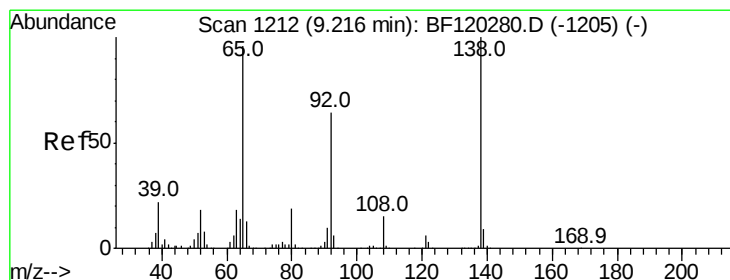
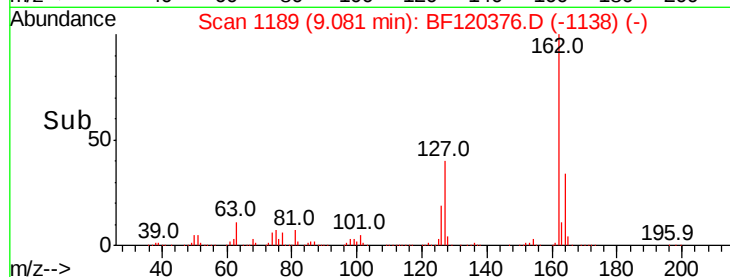
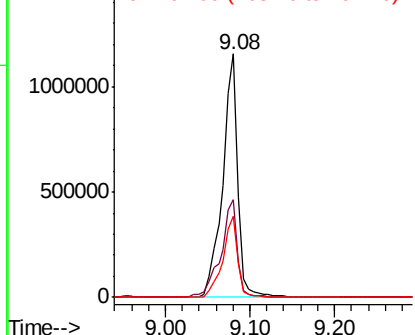
Instrument :
 BNA_M
 ClientSampleId :
 HD-02-051920MSD

Tot Ion:162 Resp: 1441267

Ion	Ratio	Lower	Upper
162	100		
127	40.2	33.4	50.0
164	33.5	27.0	40.6



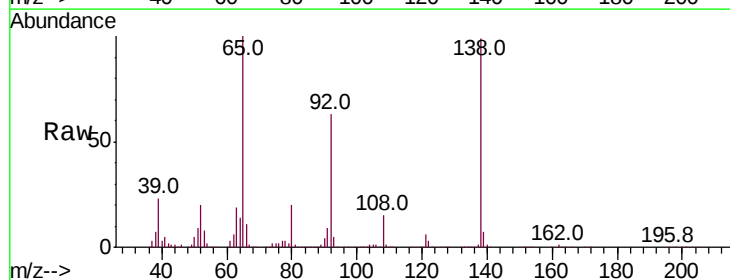
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E



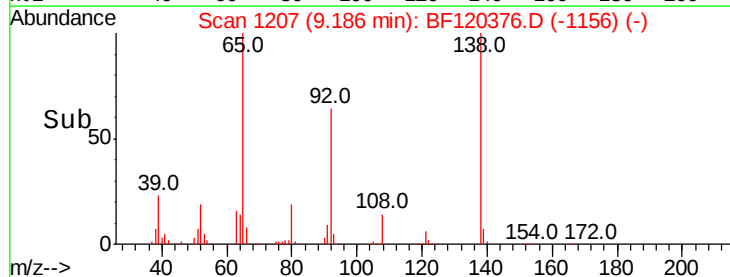
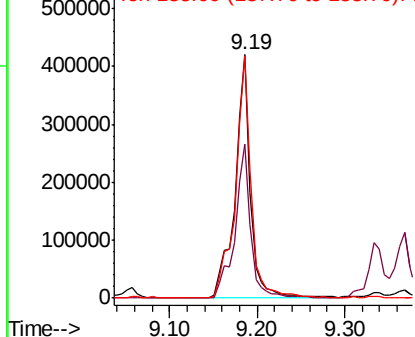
#48
 2-Nitroaniline
 Concen: 42.460 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

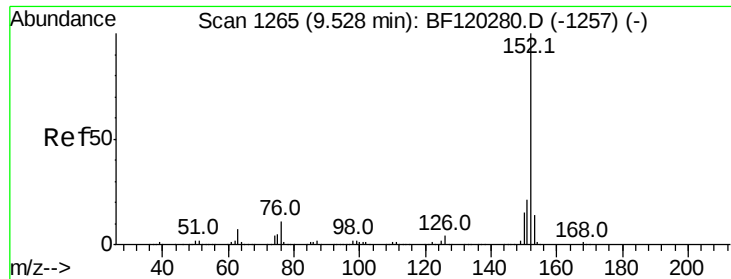
Tgt Ion: 65 Resp: 505850

Ion	Ratio	Lower	Upper
65	100		
92	63.3	52.9	79.3
138	99.4	83.0	124.4



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.716 ng

RT: 9.49 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

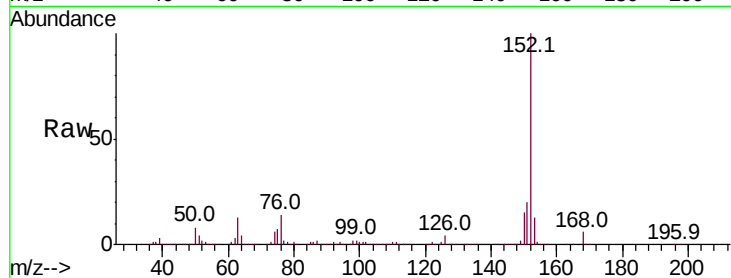
Tot Ion:152 Resp: 2280239

Ion Ratio Lower Upper

152 100

151 20.4 16.6 25.0

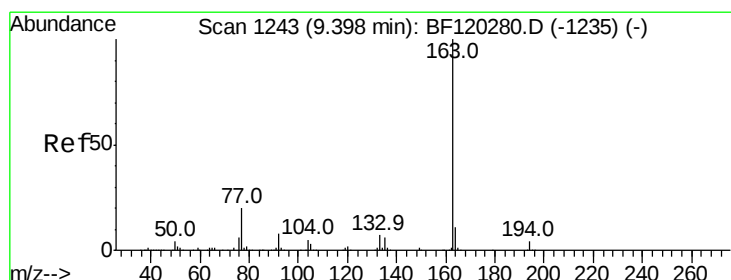
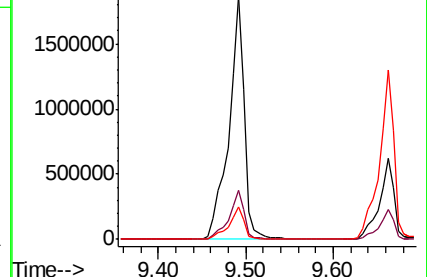
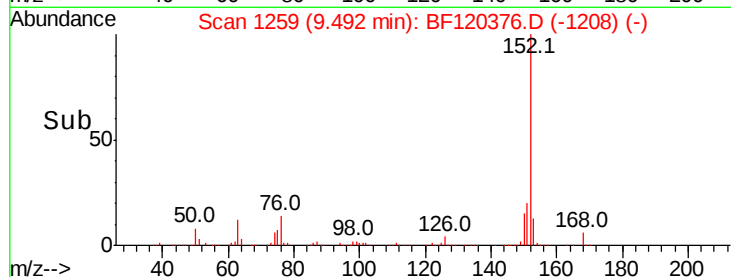
153 13.2 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 43.028 ng

RT: 9.37 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

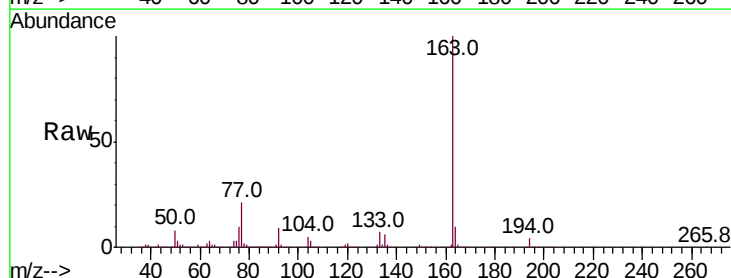
Tgt Ion:163 Resp: 1689854

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

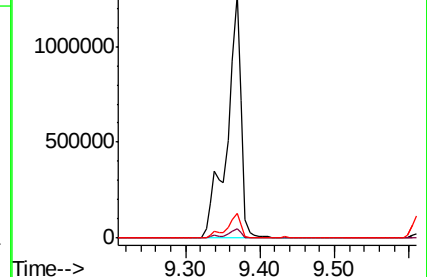
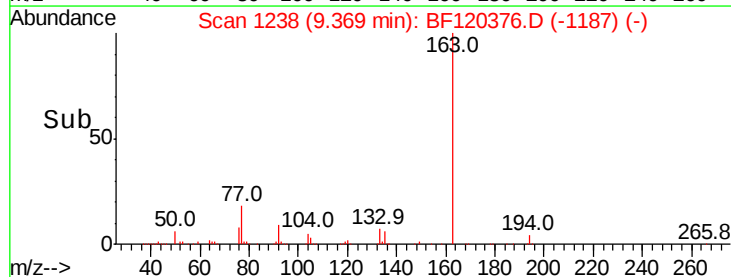
164 10.2 8.6 12.8

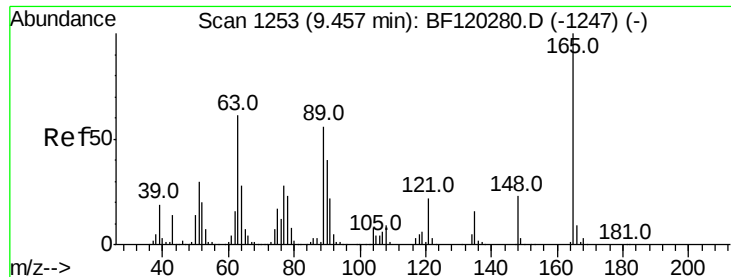


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

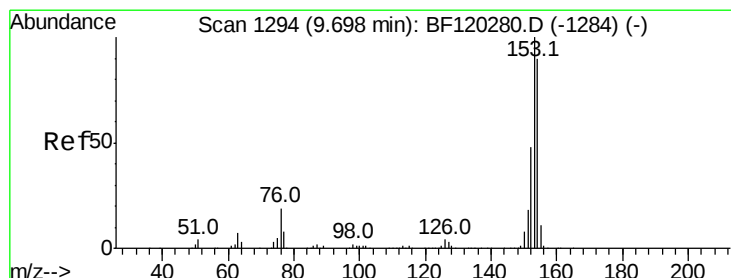
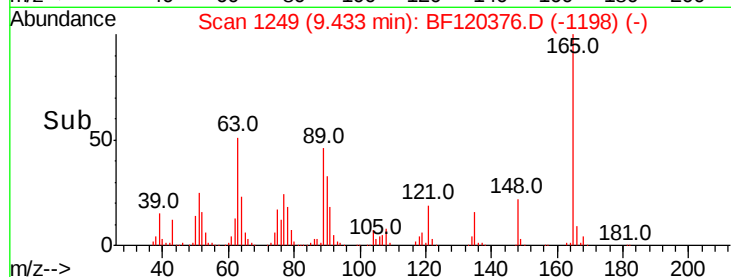
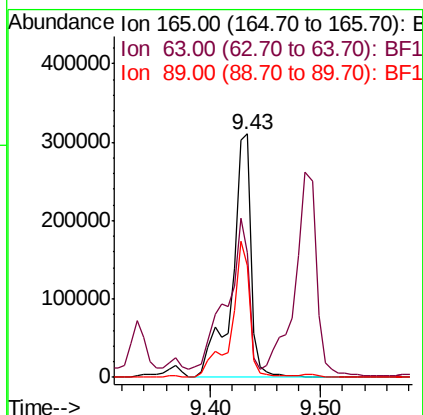
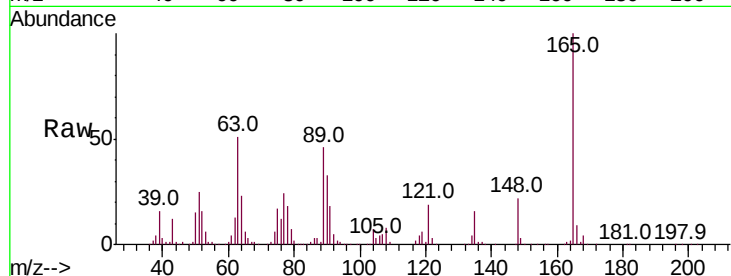




#51
 2,6-Dinitrotoluene
 Concen: 42.751 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

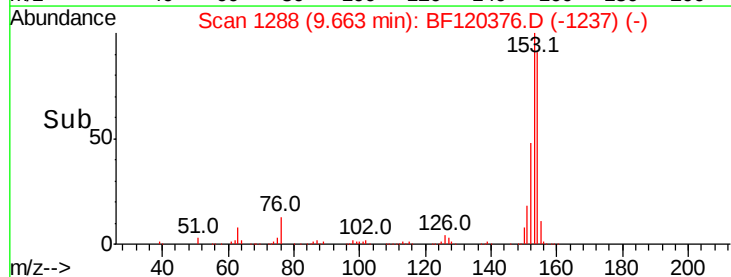
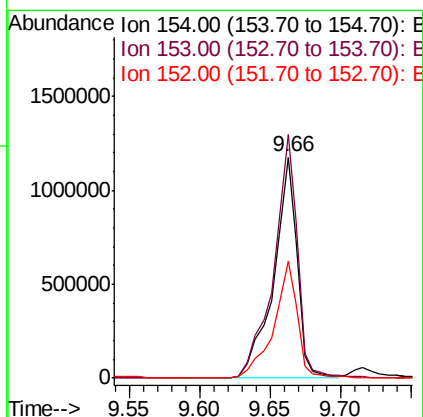
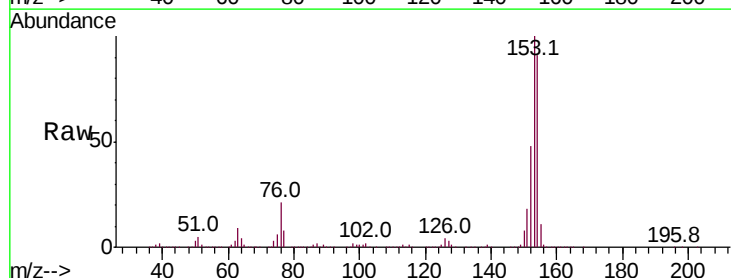
Instrument :
 BNA_M
 ClientSampleId :
 HD-02-051920MSD

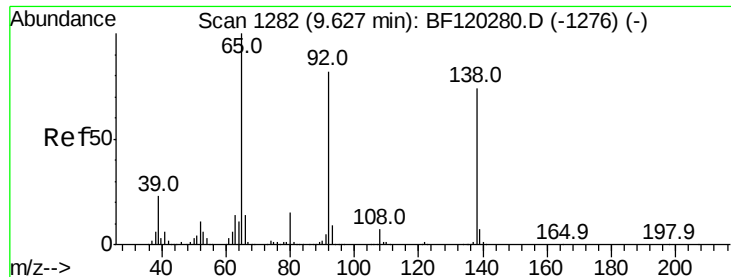
Tot Ion:165 Resp: 374729
 Ion Ratio Lower Upper
 165 100
 63 51.1 50.2 75.2
 89 45.7 44.6 66.8



#52
 Acenaphthene
 Concen: 45.668 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion:154 Resp: 1365367
 Ion Ratio Lower Upper
 154 100
 153 110.3 89.0 133.4
 152 52.8 42.6 64.0

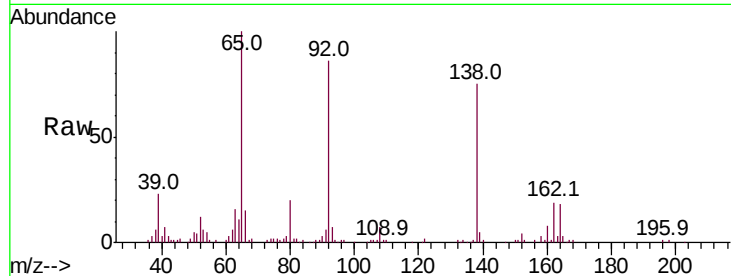




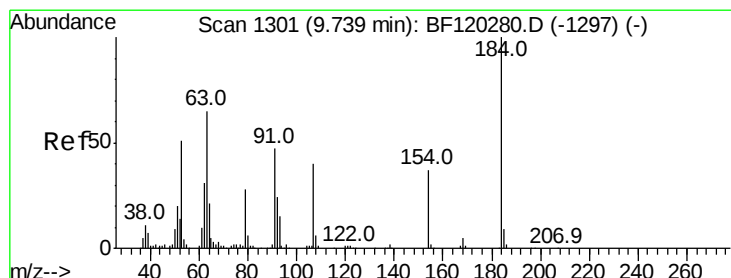
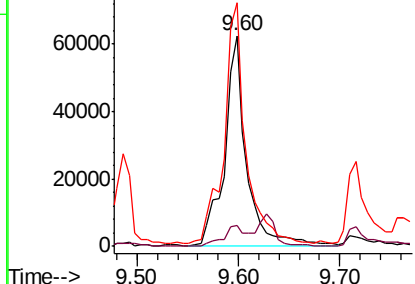
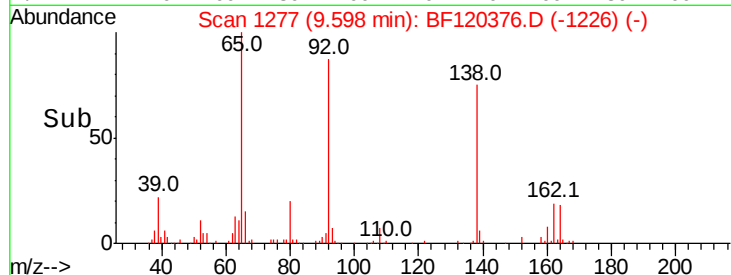
#53
3-Nitroaniline
Concen: 8.985 ng
RT: 9.60 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

Tot Ion:138 Resp: 93914
Ion Ratio Lower Upper
138 100
108 9.7 8.2 12.2
92 115.5 89.6 134.4

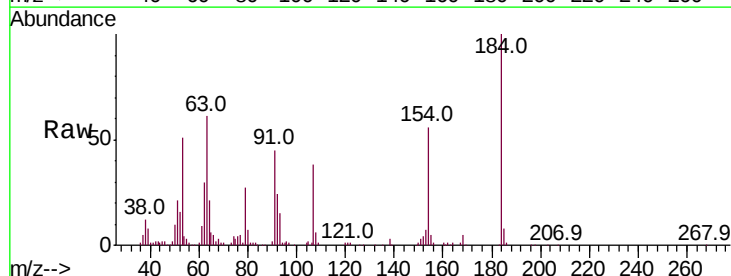


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

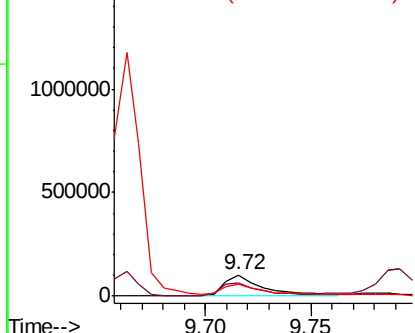
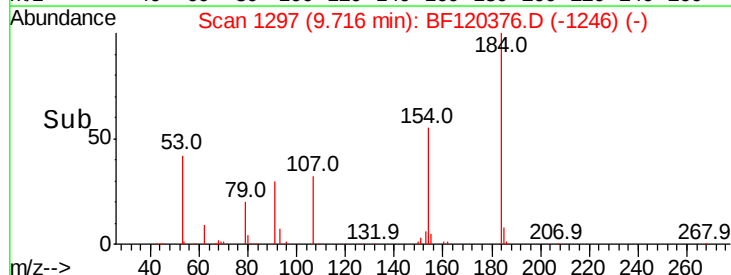


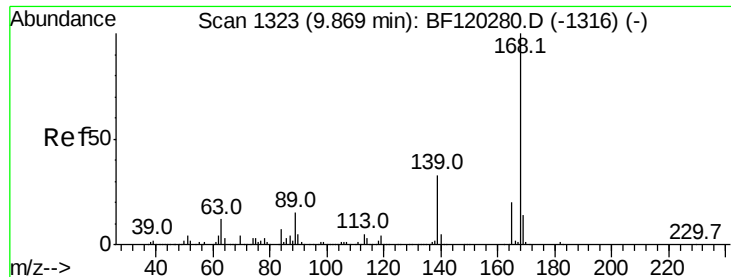
#54
2,4-Dinitrophenol
Concen: 32.616 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:184 Resp: 134950
Ion Ratio Lower Upper
184 100
63 61.3 53.6 80.4
154 55.8 46.8 70.2



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

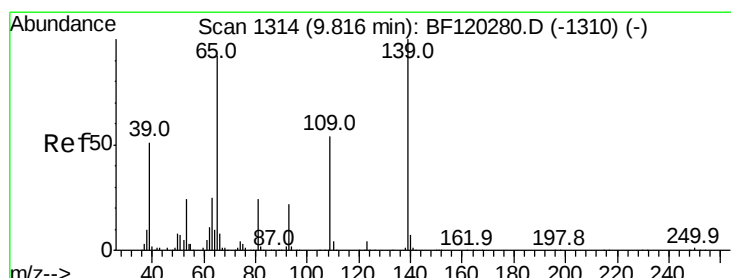
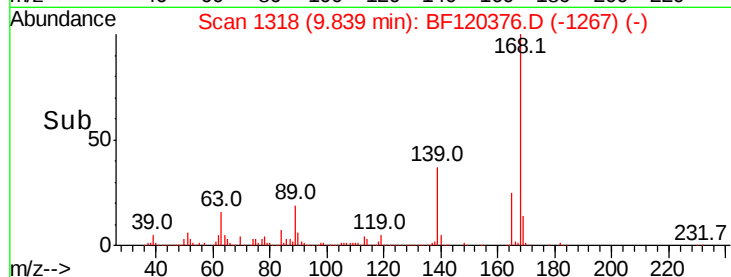
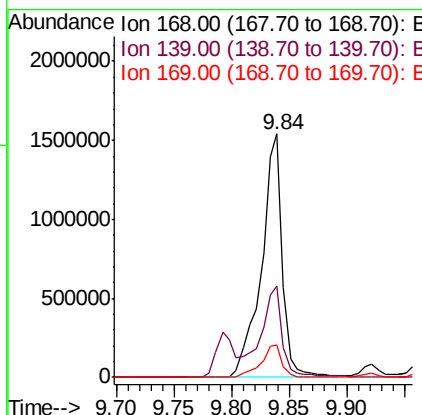
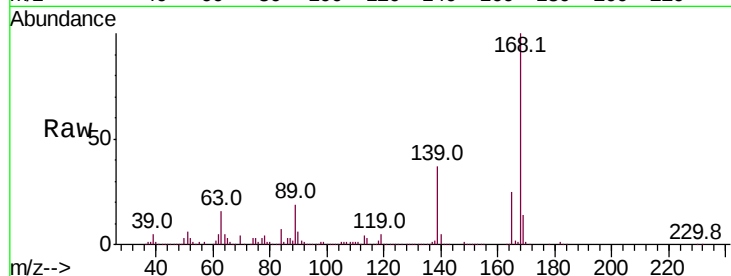




#55
Dibenzofuran
Concen: 45.717 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

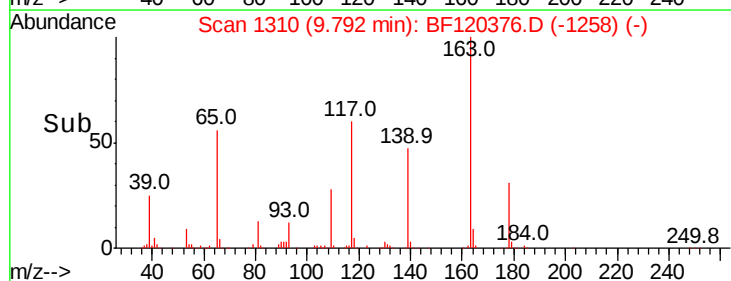
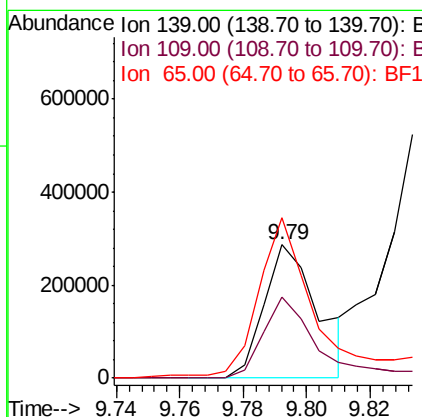
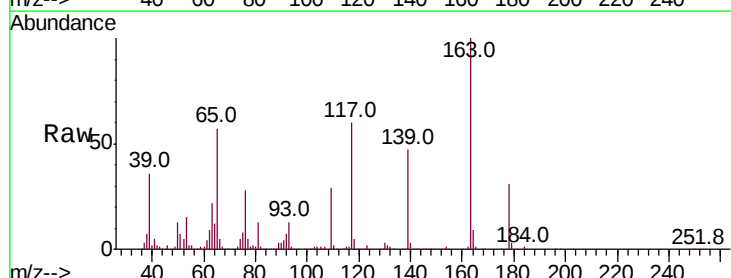
Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

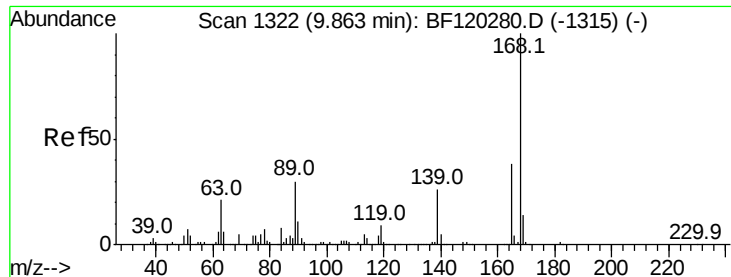
Tot Ion:168 Resp: 1968306
Ion Ratio Lower Upper
168 100
139 37.2 29.8 44.6
169 13.5 11.0 16.6



#56
4-Nitrophenol
Concen: 60.635 ng
RT: 9.79 min Scan# 1310
Delta R.T. 0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:139 Resp: 340558
Ion Ratio Lower Upper
139 100
109 60.7 34.6 74.6
65 120.0 73.3 113.3#

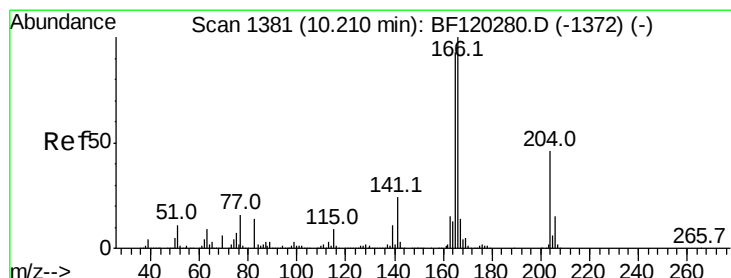
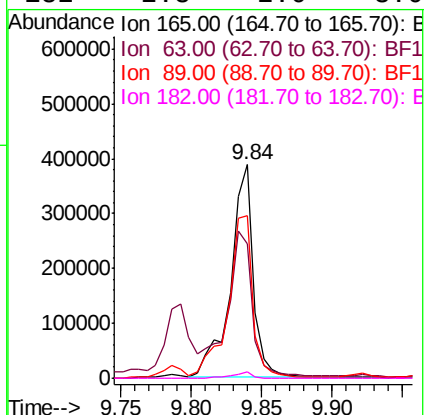
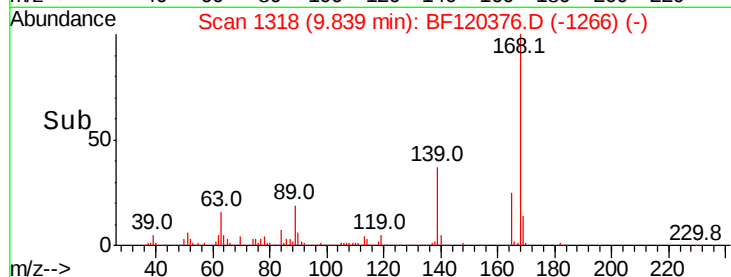
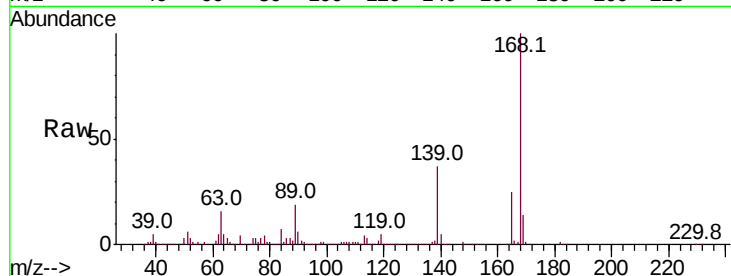




#57
 2,4-Dinitrotoluene
 Concen: 42.186 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

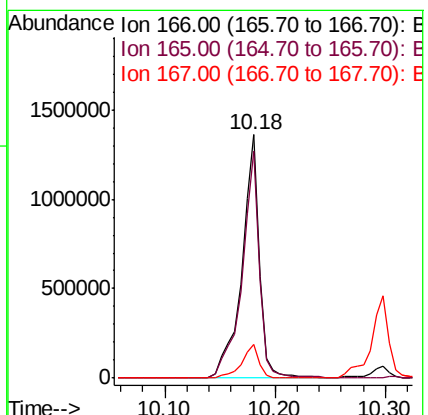
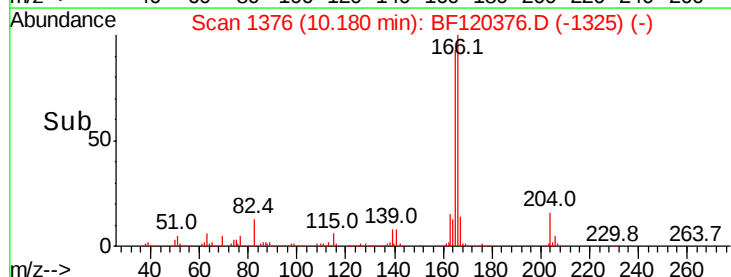
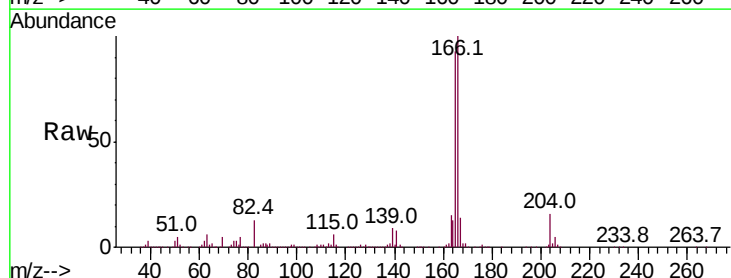
Instrument :
 BNA_M
 ClientSampleId :
 HD-02-051920MSD

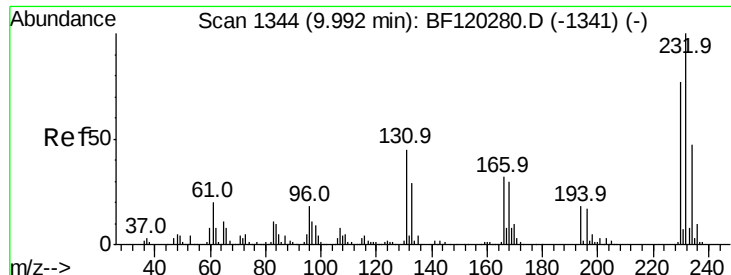
Tot Ion:165 Resp: 433767
 Ion Ratio Lower Upper
 165 100
 63 63.1 51.8 77.8
 89 75.9 64.2 96.4
 182 2.8 2.0 3.0



#58
 Fluorene
 Concen: 46.295 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion:166 Resp: 1517933
 Ion Ratio Lower Upper
 166 100
 165 93.0 74.7 112.1
 167 13.8 11.4 17.0

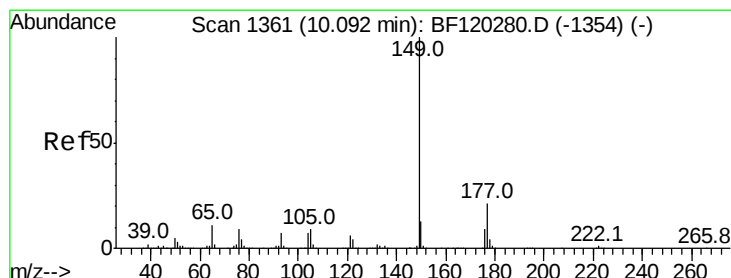
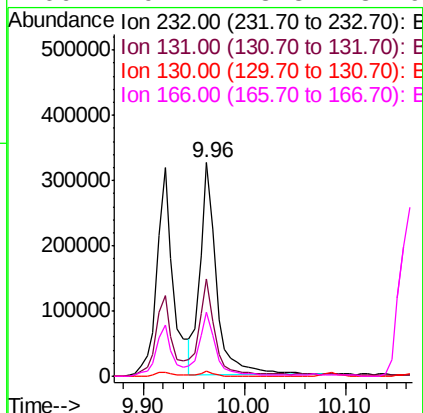
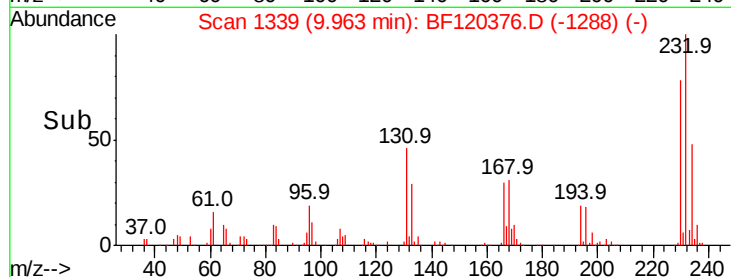
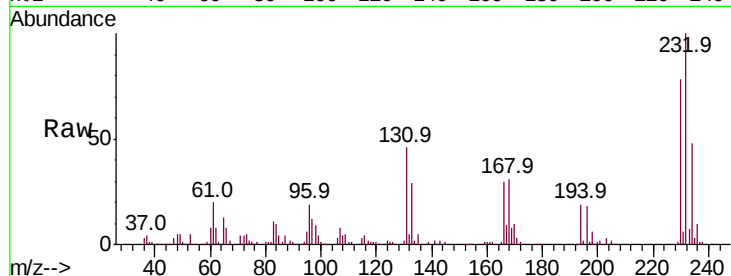




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 40.622 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

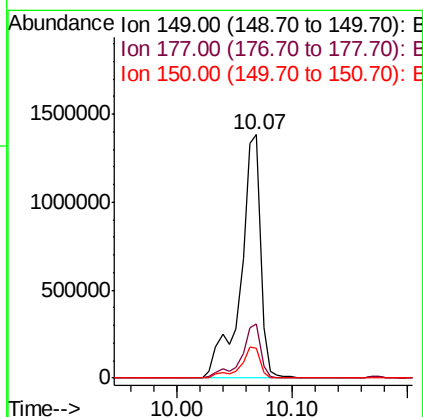
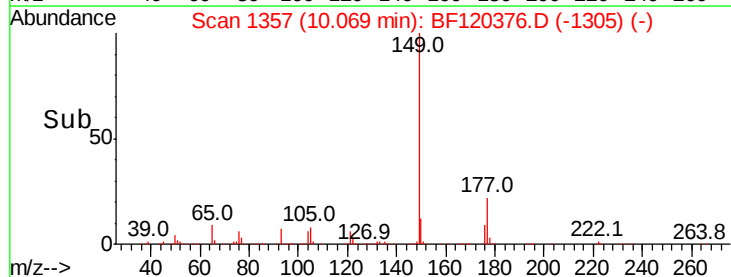
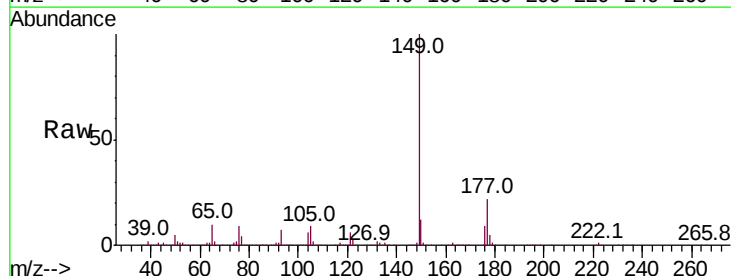
Instrument :
 BNA_M
 ClientSampleId :
 HD-02-051920MSD

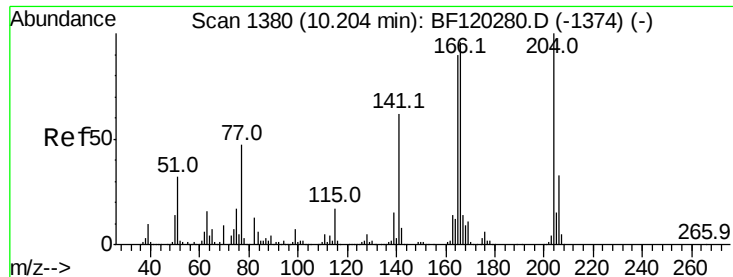
Tot Ion:	232	Resp:	369170
Ion	Ratio	Lower	Upper
232	100		
131	44.1	34.1	51.1
130	2.4	1.7	2.5
166	29.7	23.3	34.9



#60
 Diethylphthalate
 Concen: 43.883 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: BF120376.D
 Acq: 20 May 2020 18:13

Tgt Ion:	149	Resp:	1663850
Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.1	25.7
150	12.4	10.3	15.5

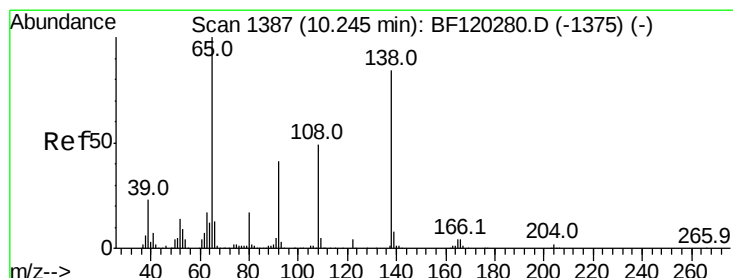
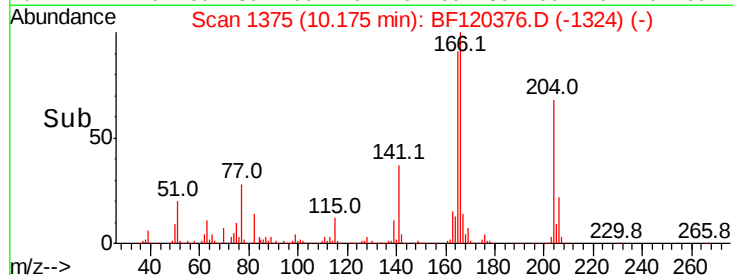
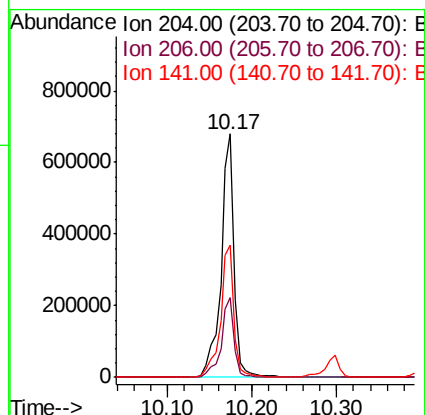
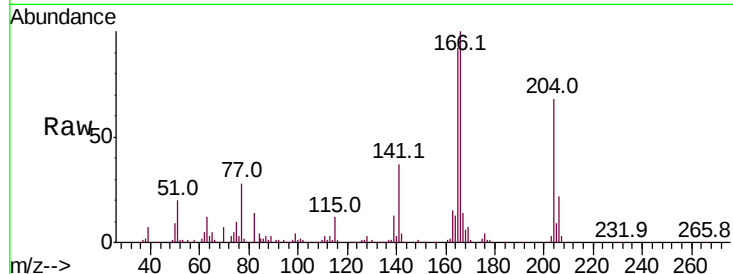




#61
4-Chlorophenyl-phenylether
Concen: 43.411 ng
RT: 10.17 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

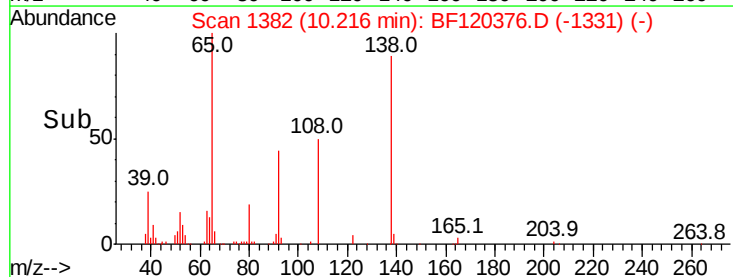
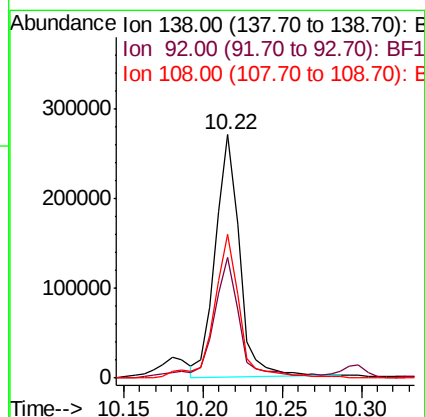
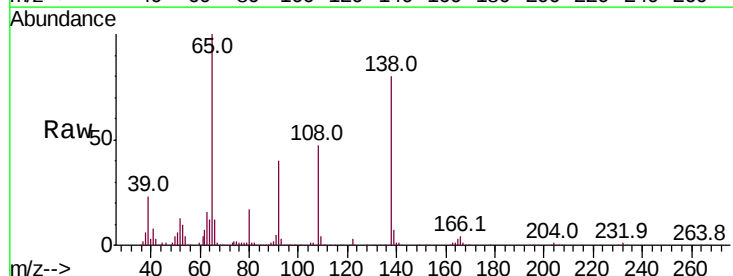
Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

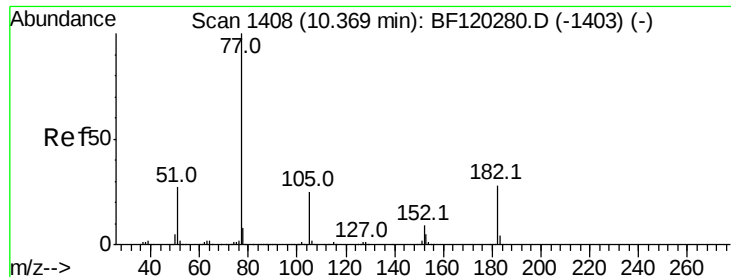
Tot Ion:204 Resp: 740046
Ion Ratio Lower Upper
204 100
206 32.7 26.8 40.2
141 54.1 49.5 74.3



#62
4-Nitroaniline
Concen: 29.361 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:138 Resp: 285787
Ion Ratio Lower Upper
138 100
92 49.8 28.9 68.9
108 59.0 38.4 78.4





#63

Azobenzene

Concen: 50.587 ng

RT: 10.33 min Scan# 1402

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

Tot Ion: 77 Resp: 1812748

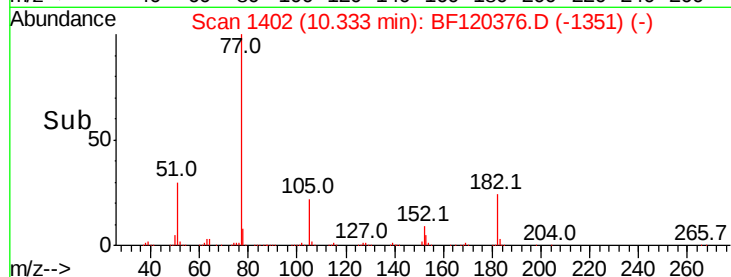
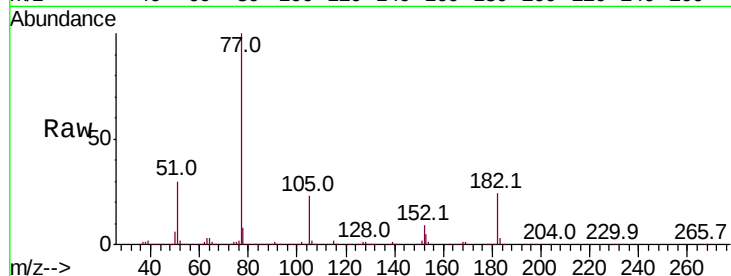
Ion Ratio Lower Upper

77 100

182 24.0 7.4 47.4

105 22.8 4.4 44.4

51 30.4 8.3 48.3

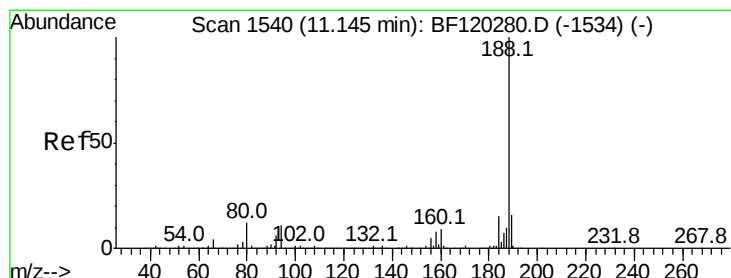
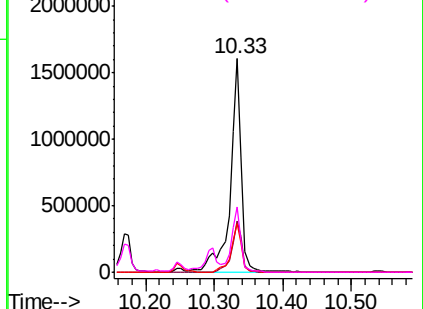


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1534

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

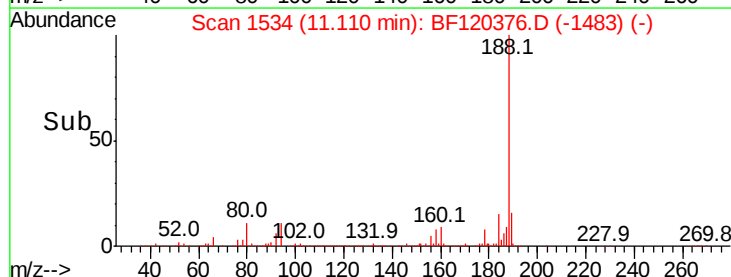
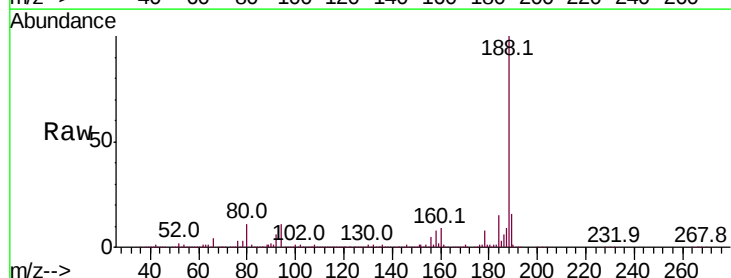
Tgt Ion: 188 Resp: 1122285

Ion Ratio Lower Upper

188 100

94 11.5 8.6 13.0

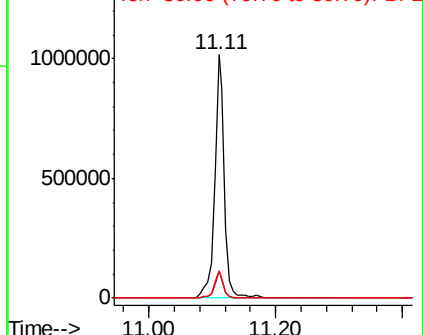
80 11.4 9.2 13.8

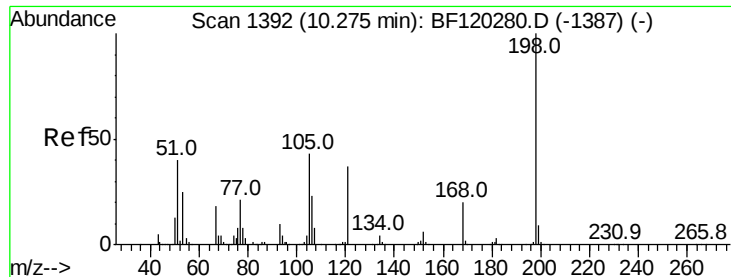


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 27.912 ng

RT: 10.25 min Scan# 1387

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

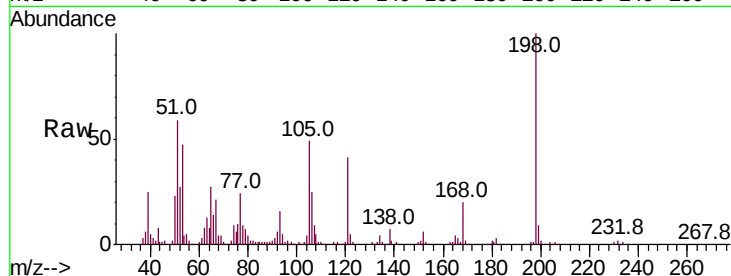
Tot Ion:198 Resp: 158423

Ion Ratio Lower Upper

198 100

51 58.9 27.1 67.1

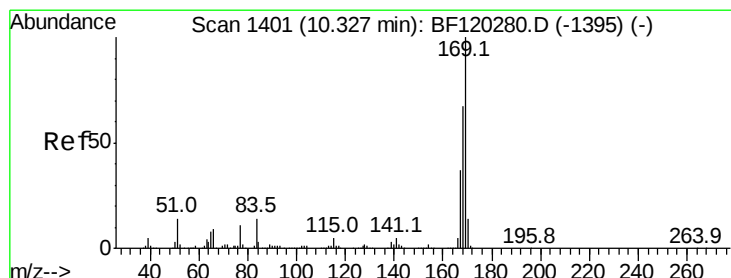
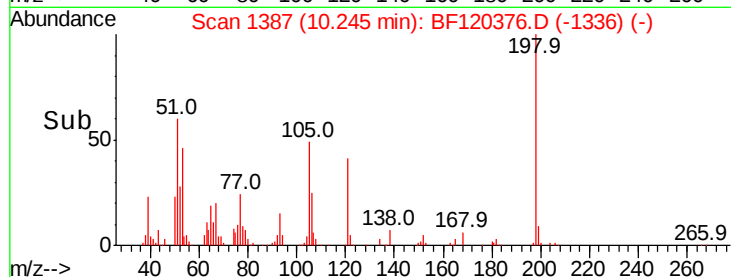
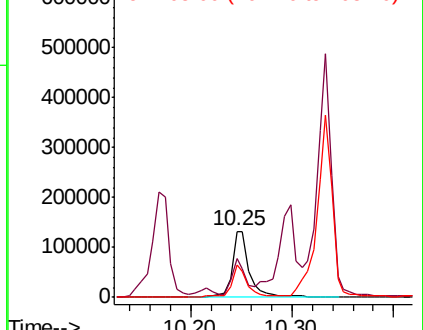
105 48.6 24.3 64.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 45.372 ng

RT: 10.30 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

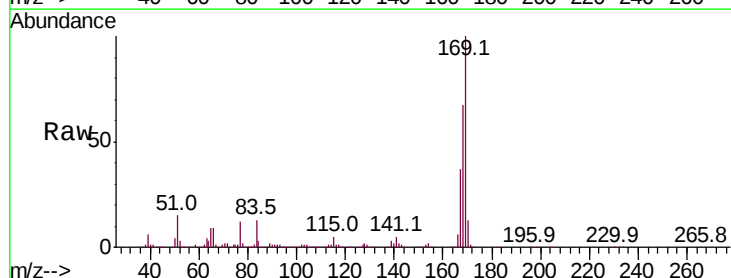
Tgt Ion:169 Resp: 1408765

Ion Ratio Lower Upper

169 100

168 67.3 53.7 80.5

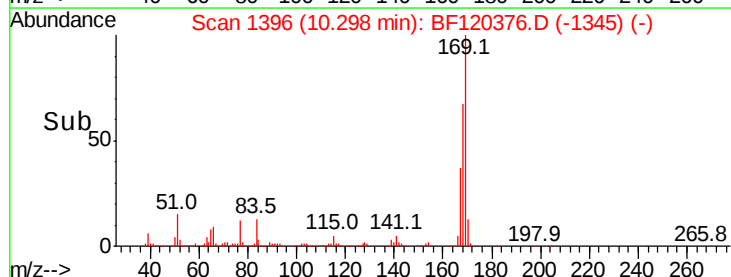
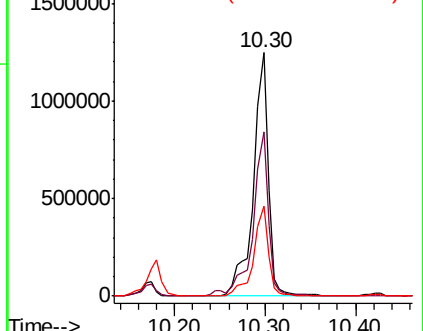
167 37.1 29.8 44.6

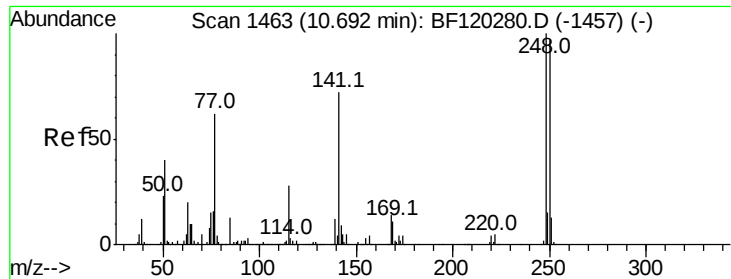


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

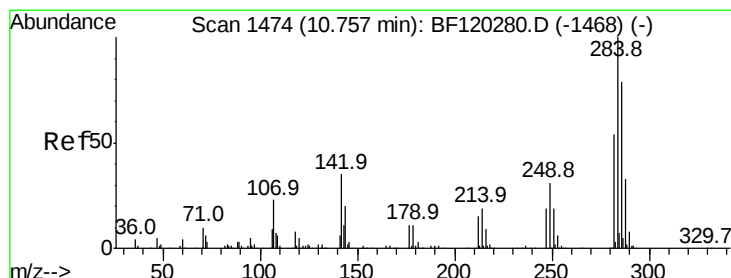
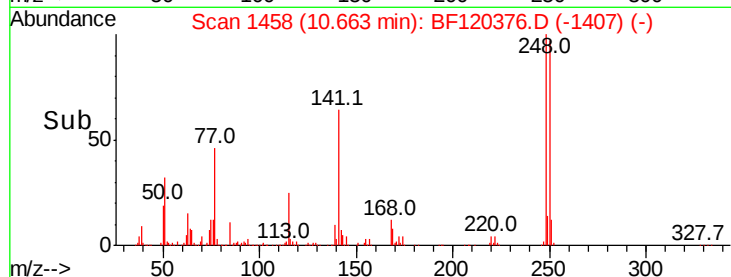
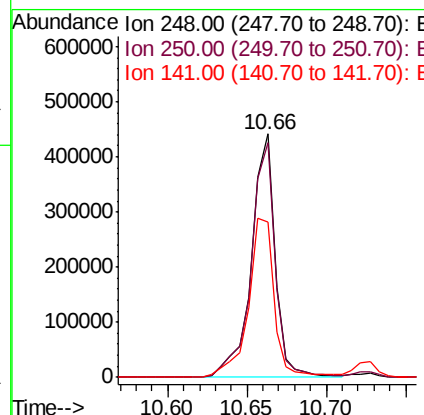
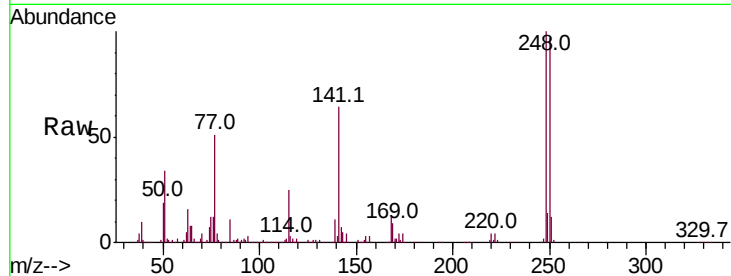




#67
4-Bromophenyl-phenylether
Concen: 42.270 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

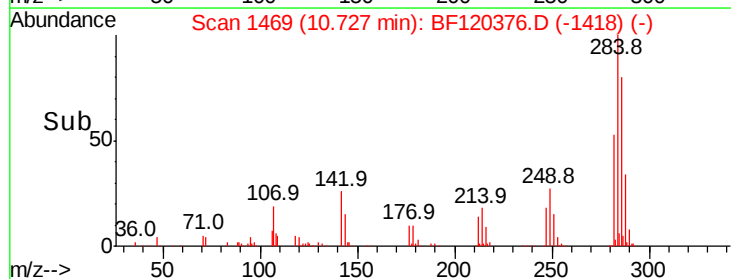
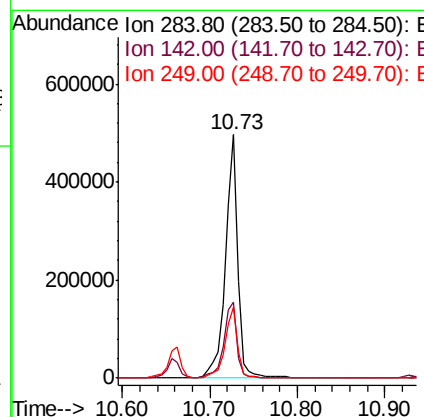
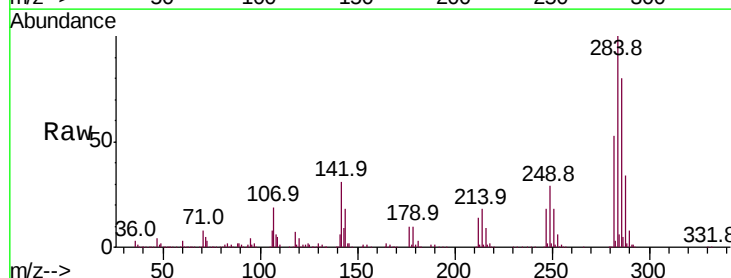
Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

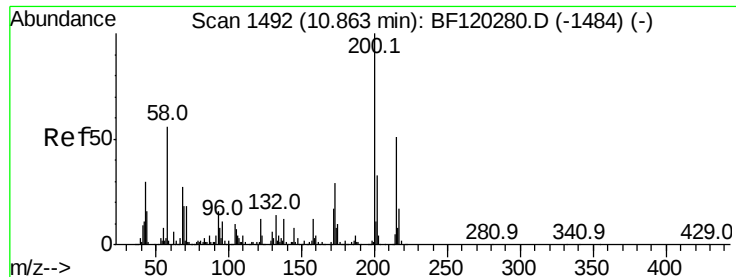
Tot Ion:248 Resp: 460342
Ion Ratio Lower Upper
248 100
250 96.6 77.8 116.6
141 63.9 57.7 86.5



#68
Hexachlorobenzene
Concen: 42.977 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:284 Resp: 489647
Ion Ratio Lower Upper
284 100
142 31.0 28.5 42.7
249 28.9 24.8 37.2





#69

Atrazine

Concen: 41.245 ng

RT: 10.83 min Scan# 1487

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

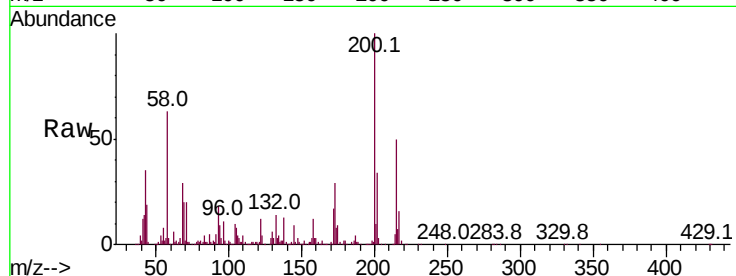
Tot Ion:200 Resp: 383189

Ion Ratio Lower Upper

200 100

173 29.3 8.7 48.7

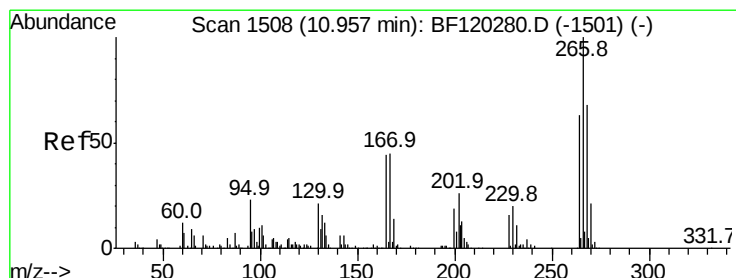
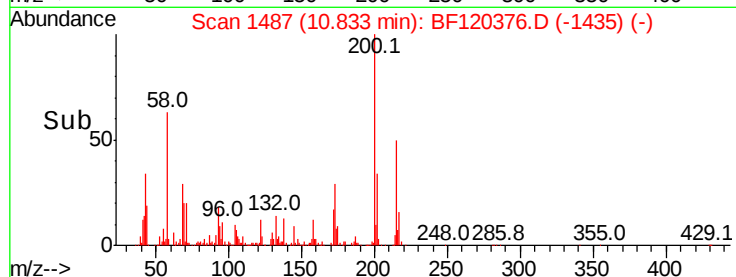
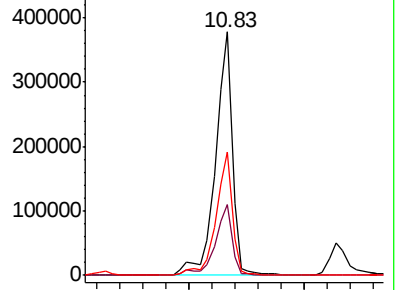
215 50.4 30.6 70.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 68.921 ng

RT: 10.93 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

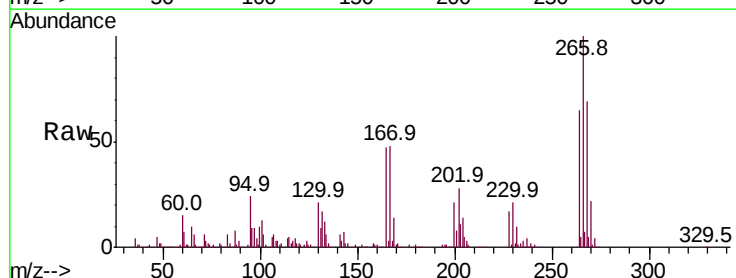
Tgt Ion:266 Resp: 333969

Ion Ratio Lower Upper

266 100

268 69.3 54.2 81.4

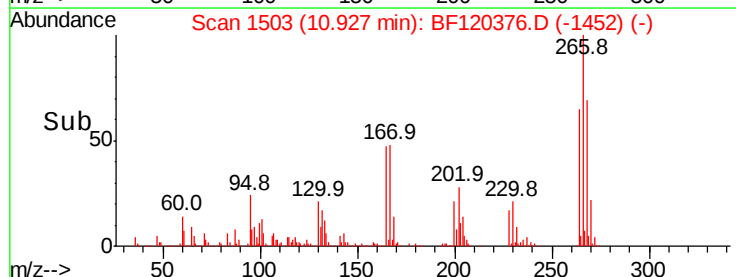
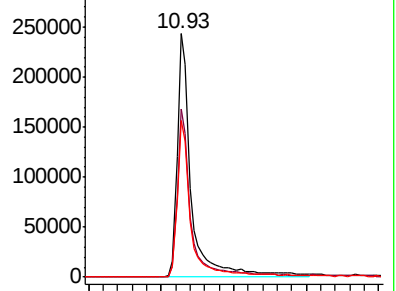
264 64.5 50.2 75.4

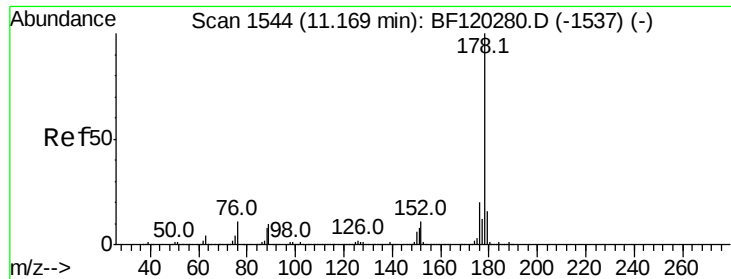


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

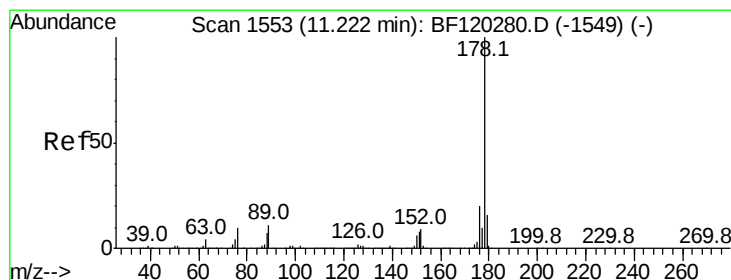
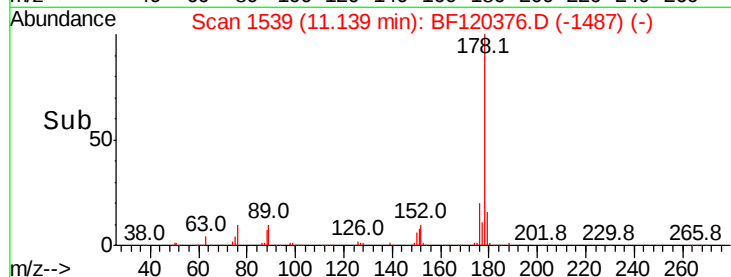
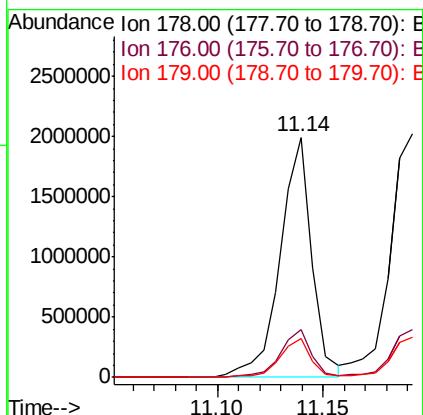
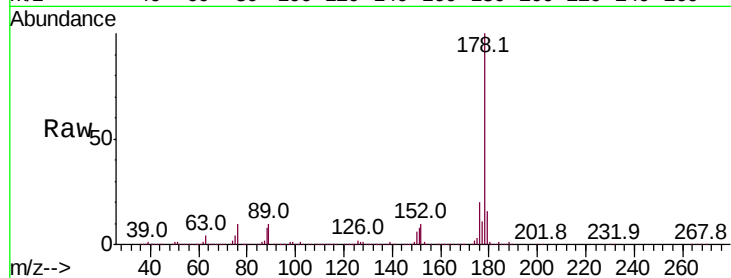




#71
Phenanthrene
Concen: 44.092 ng
RT: 11.14 min Scan# 1539
Delta R.T. 0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

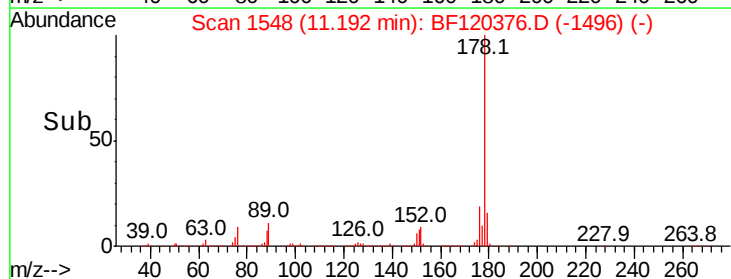
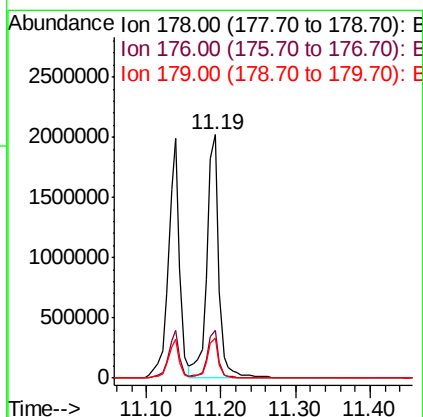
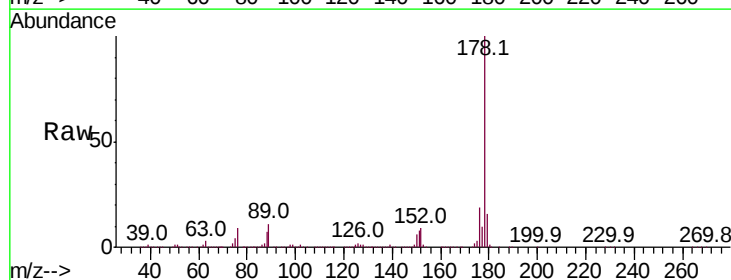
Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

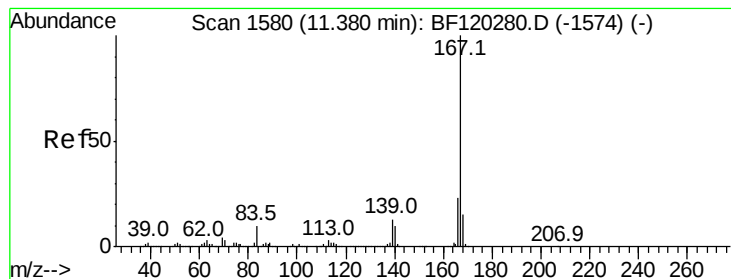
Tot Ion:178 Resp: 2079313
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 16.2 12.8 19.2



#72
Anthracene
Concen: 44.672 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:178 Resp: 2255286
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 16.3 13.0 19.6





#73

Carbazole

Concen: 42.812 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

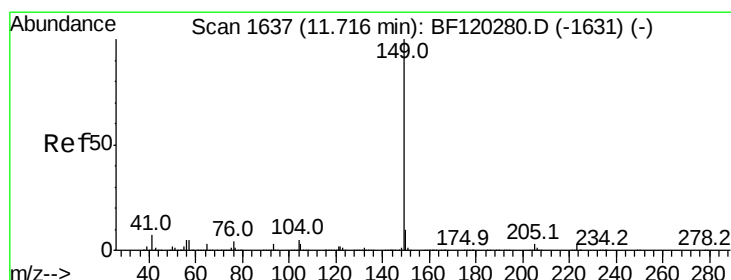
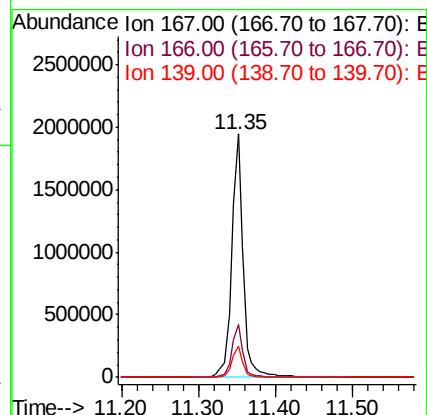
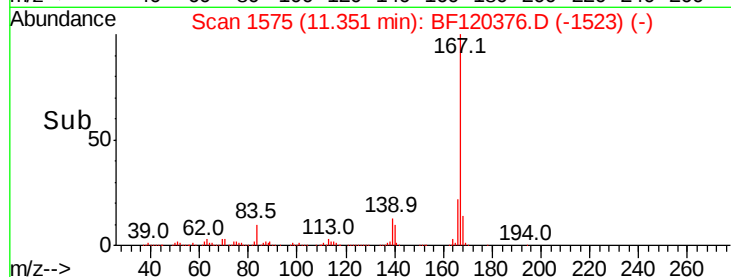
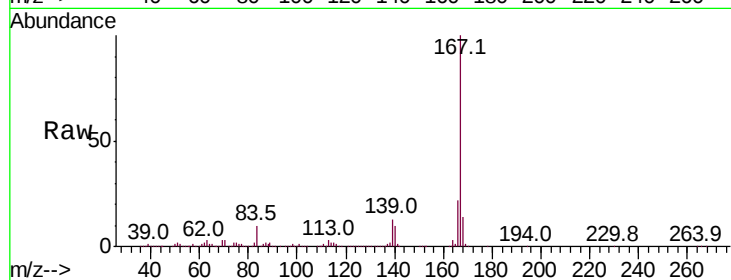
BNA_M

ClientSampleId :

HD-02-051920MSD

Tot Ion:167 Resp: 2019467

Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.1	27.1
139	12.9	10.6	15.8



#74

Di-n-butylphthalate

Concen: 44.310 ng

RT: 11.69 min Scan# 1632

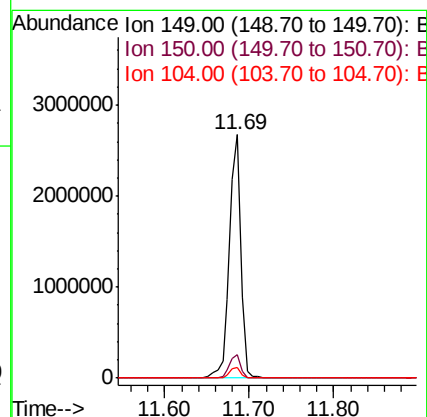
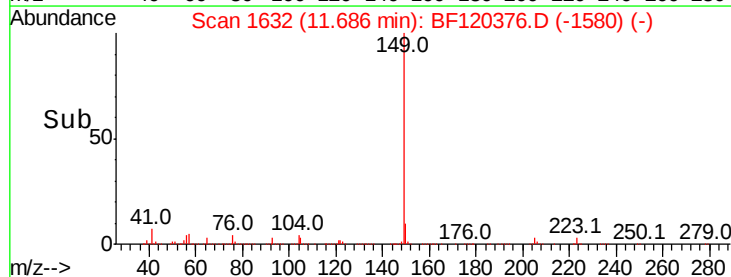
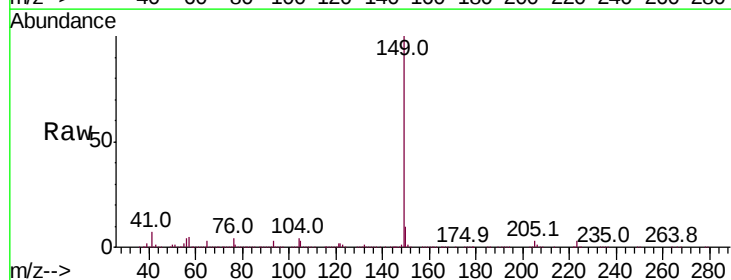
Delta R.T. 0.01 min

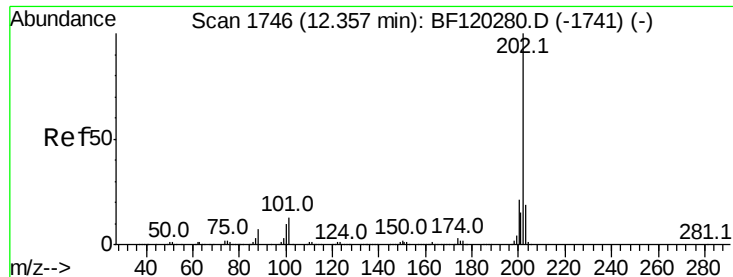
Lab File: BF120376.D

Acq: 20 May 2020 18:13

Tgt Ion:149 Resp: 2519016

Ion	Ratio	Lower	Upper
149	100		
150	9.8	8.2	12.4
104	4.4	3.8	5.8





#75

Fluoranthene

Concen: 47.249 ng

RT: 12.32 min Scan# 1740

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

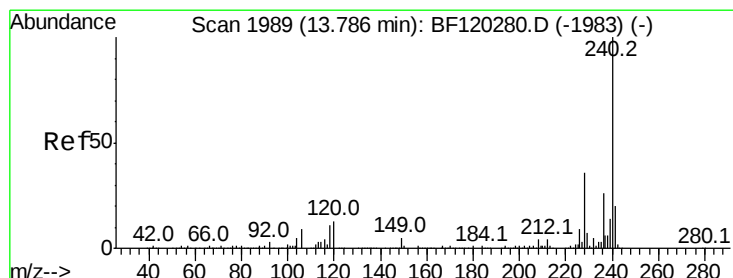
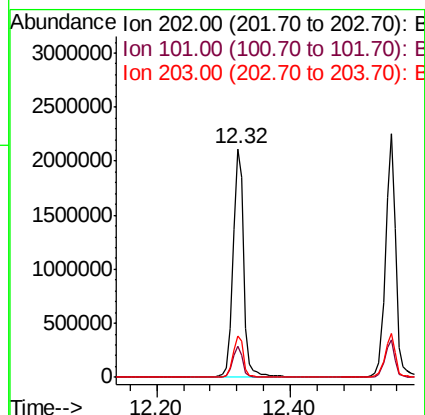
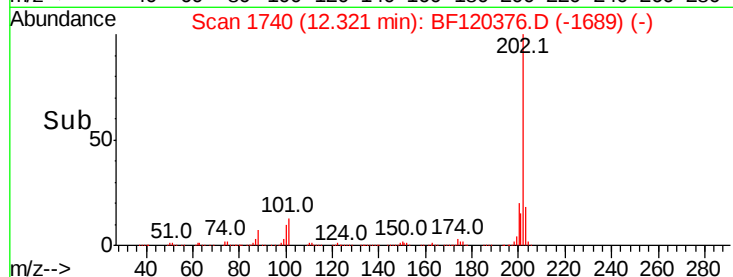
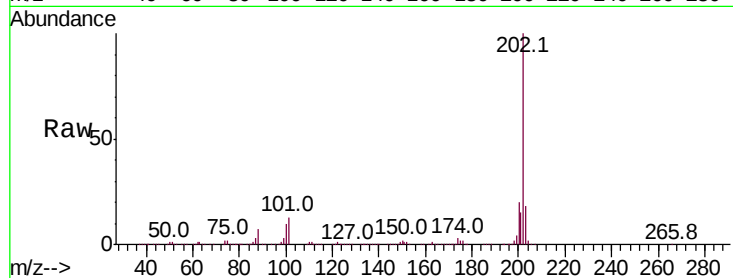
Tot Ion:202 Resp: 2388233

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

203 18.4 0.0 39.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.75 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

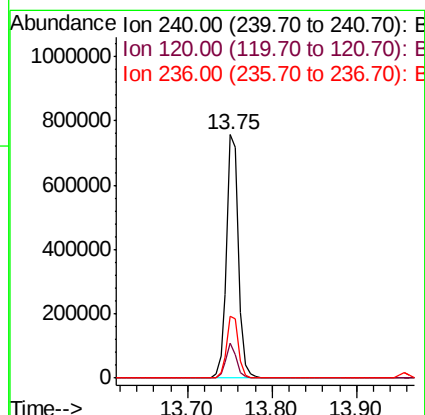
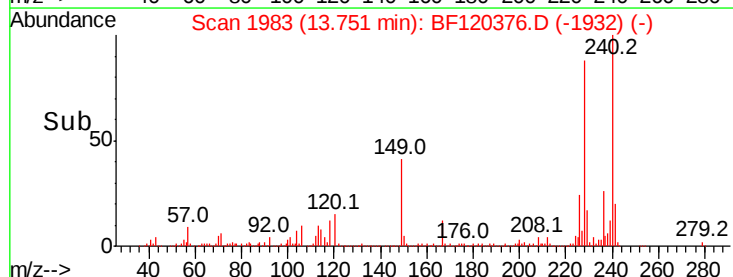
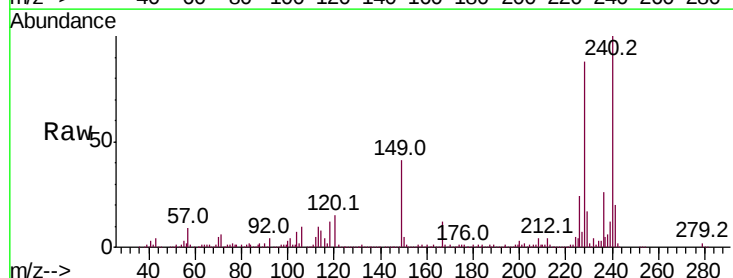
Tgt Ion:240 Resp: 744117

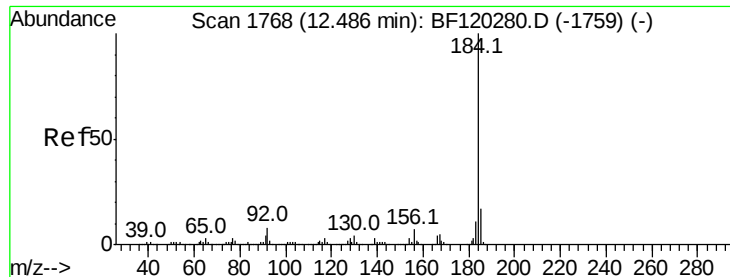
Ion Ratio Lower Upper

240 100

120 14.6 10.4 15.6

236 25.6 21.0 31.6





#77

Benzidine

Concen: 16.927 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

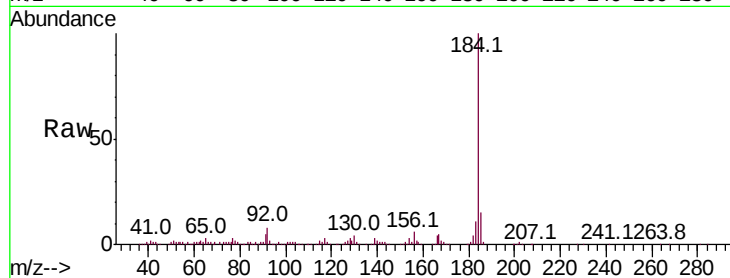
Tot Ion:184 Resp: 367807

Ion Ratio Lower Upper

184 100

185 14.7 13.7 20.5

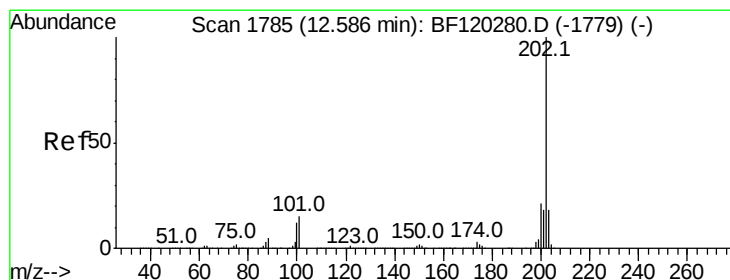
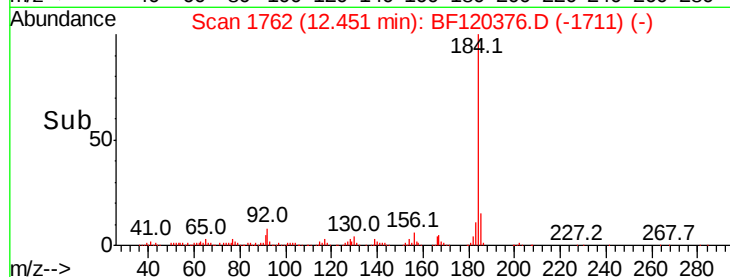
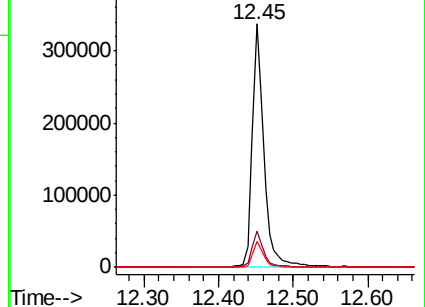
183 10.8 8.7 13.1



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.899 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

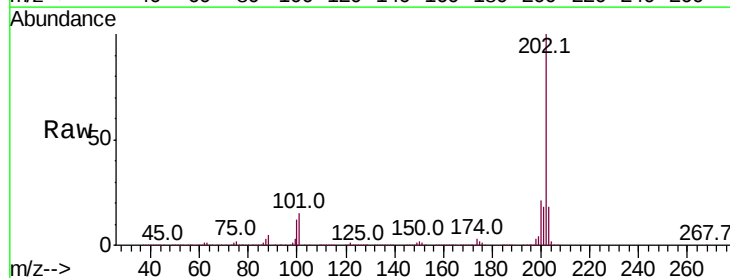
Tgt Ion:202 Resp: 2381833

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

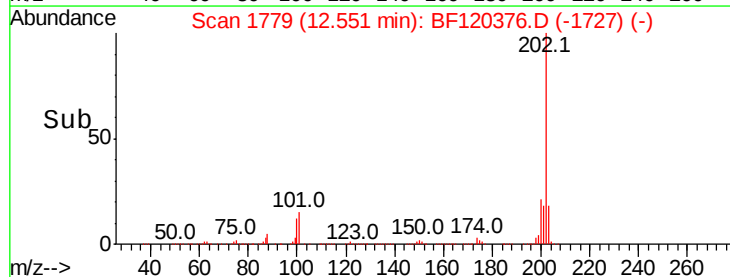
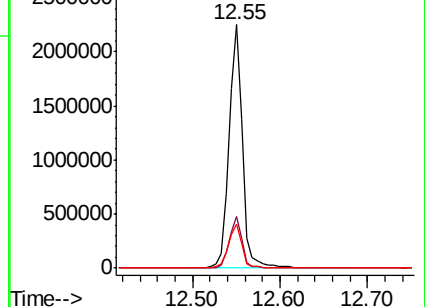
203 18.0 14.6 22.0

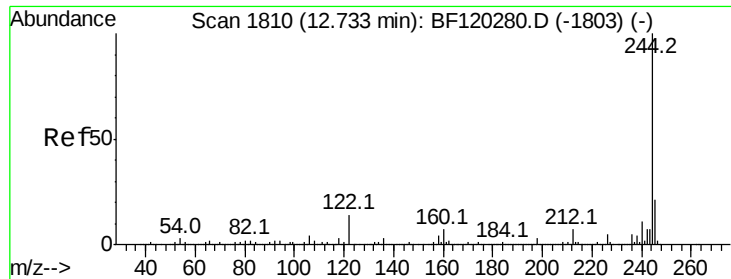


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 92.041 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

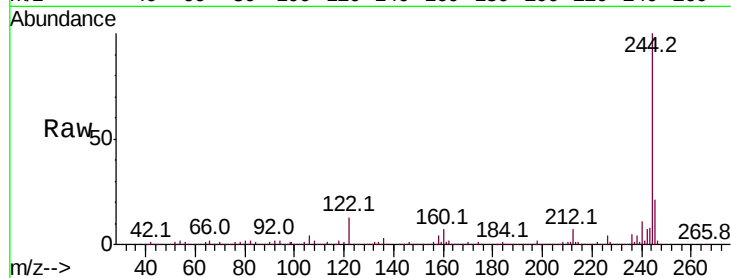
Tot Ion:244 Resp: 3100162

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

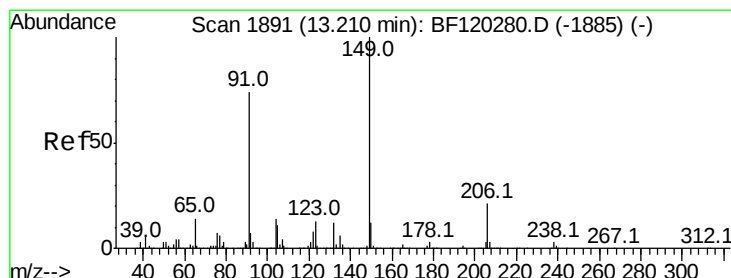
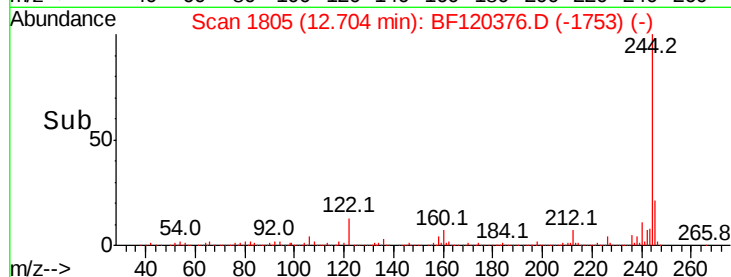
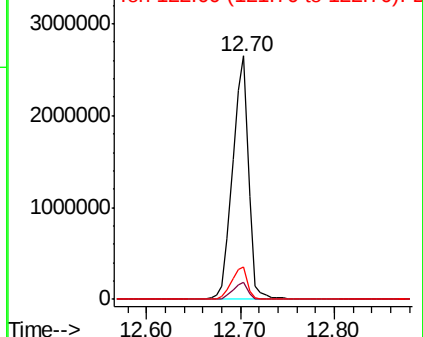
122 13.1 10.8 16.2



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: 43.662 ng

RT: 13.18 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

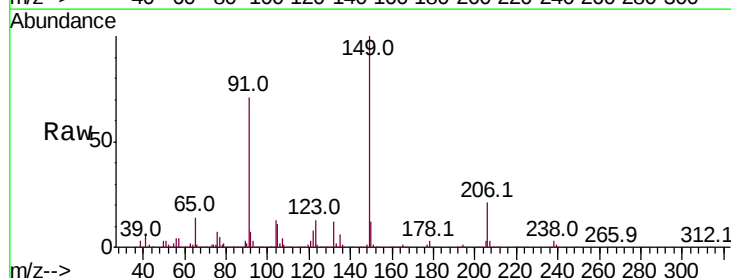
Tgt Ion:149 Resp: 1090669

Ion Ratio Lower Upper

149 100

91 70.7 59.0 88.4

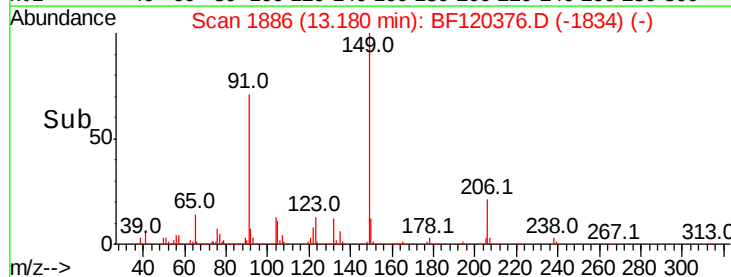
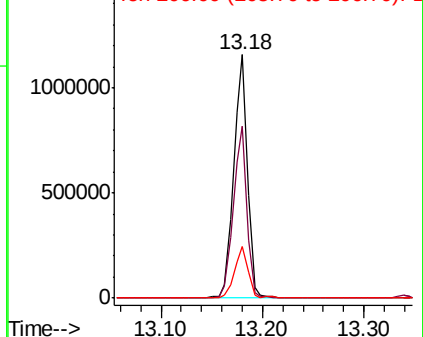
206 21.2 16.8 25.2

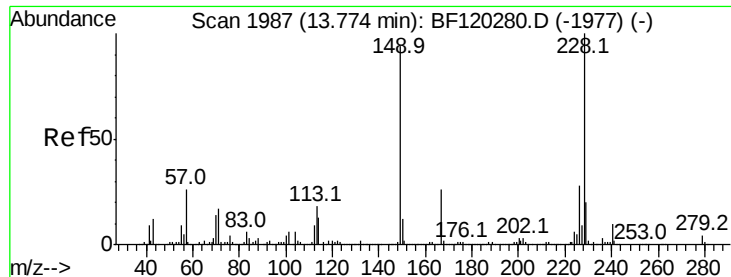


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.474 ng

RT: 13.74 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

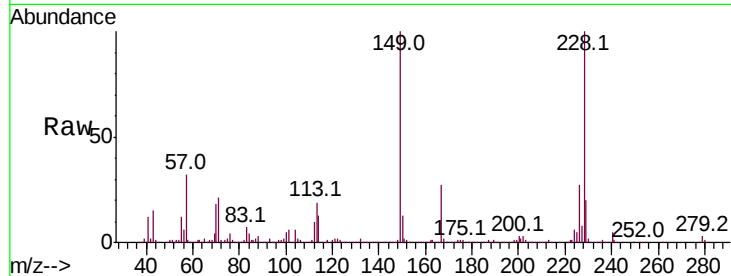
Tot Ion:228 Resp: 1745502

Ion Ratio Lower Upper

228 100

226 27.0 22.6 33.8

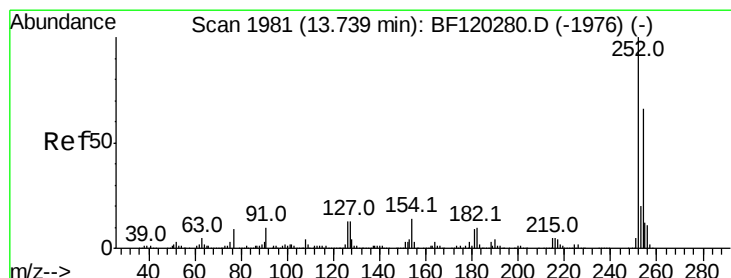
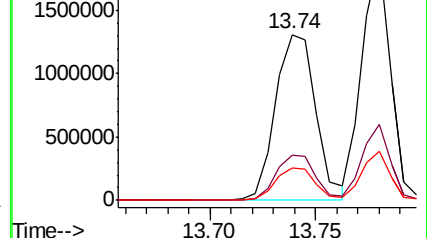
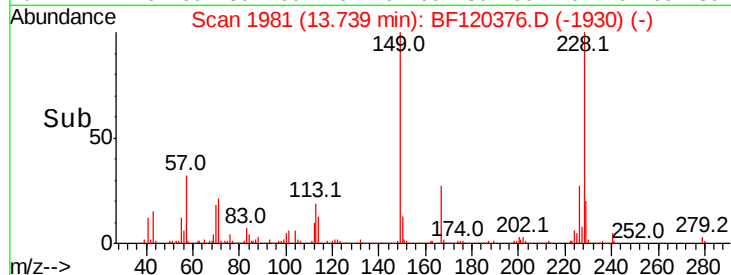
229 19.5 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 18.223 ng

RT: 13.71 min Scan# 1976

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

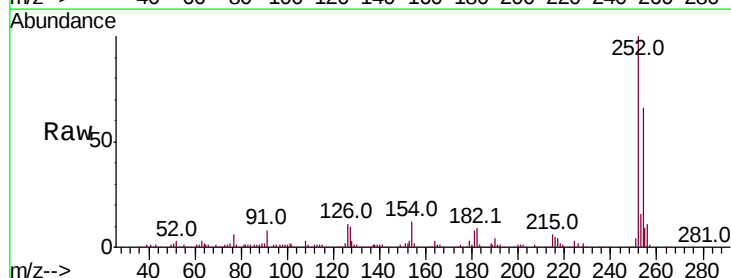
Tgt Ion:252 Resp: 269515

Ion Ratio Lower Upper

252 100

254 66.0 52.6 78.8

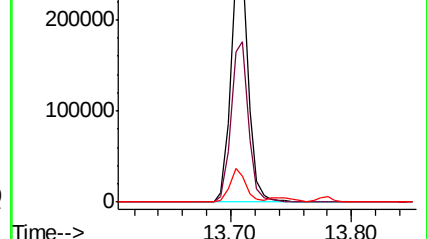
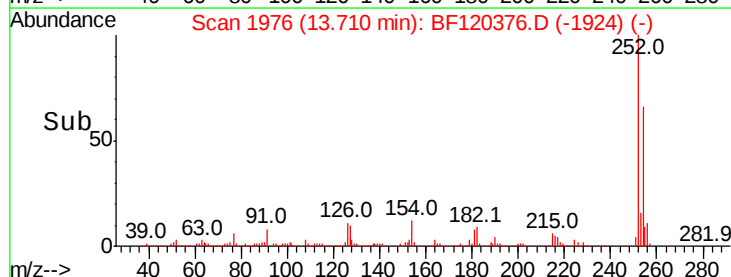
126 10.5 10.7 16.1#

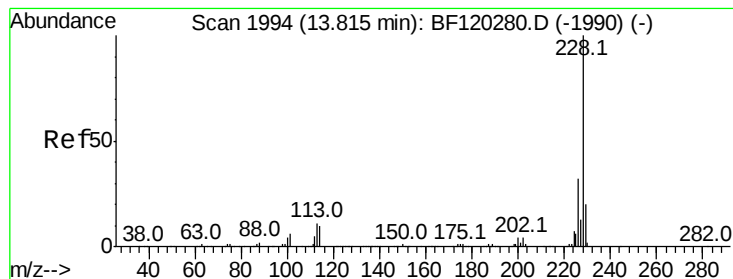


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 43.284 ng

RT: 13.78 min Scan# 1988

Delta R.T. 0.01 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

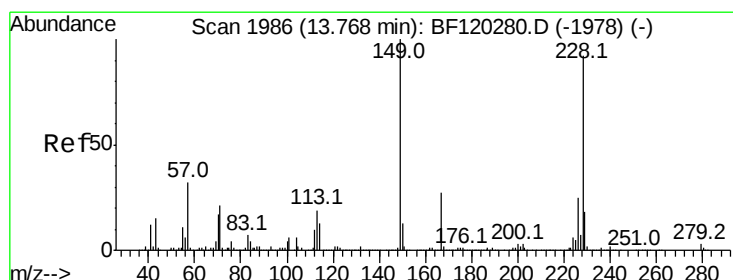
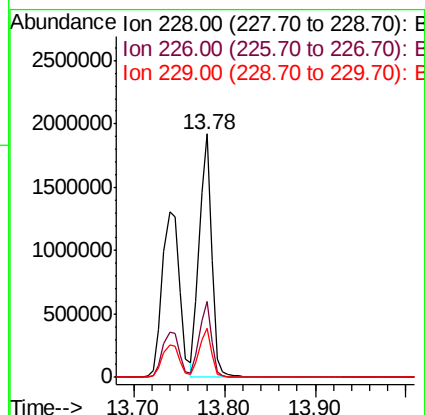
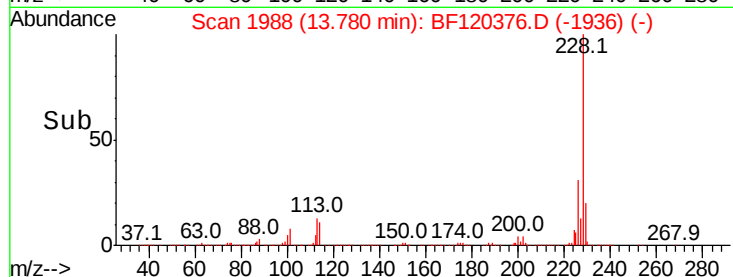
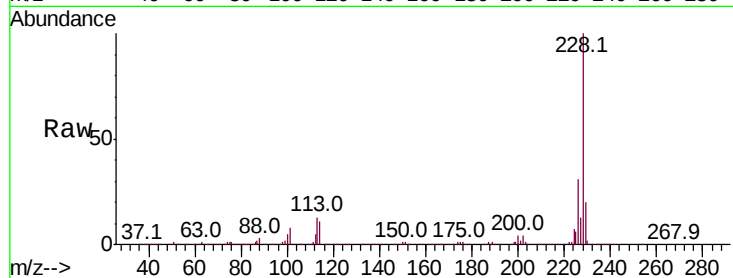
Tot Ion:228 Resp: 1824173

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	20.3	16.2	24.4

228 100

226 31.0 25.0 37.6

229 20.3 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.927 ng

RT: 13.74 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

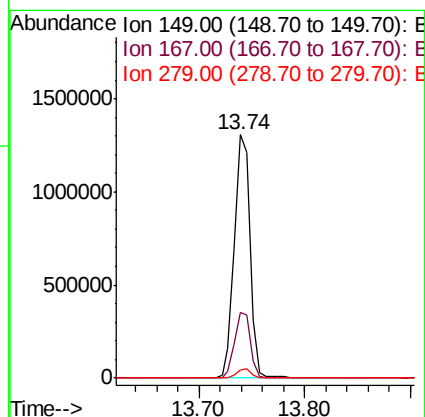
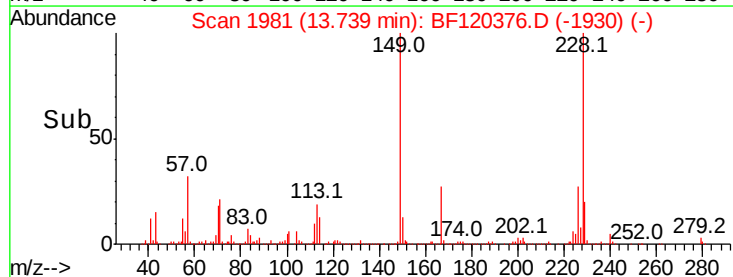
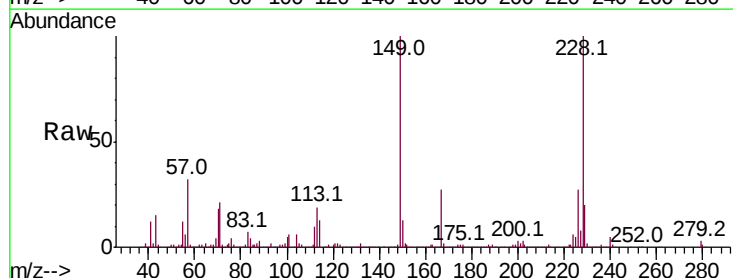
Tgt Ion:149 Resp: 1334110

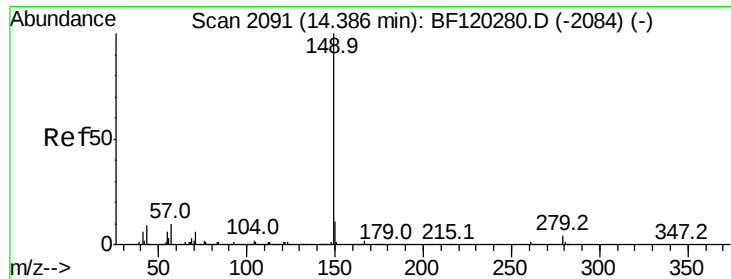
Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.8
279	3.3	2.8	4.2

149 100

167 27.2 21.8 32.8

279 3.3 2.8 4.2

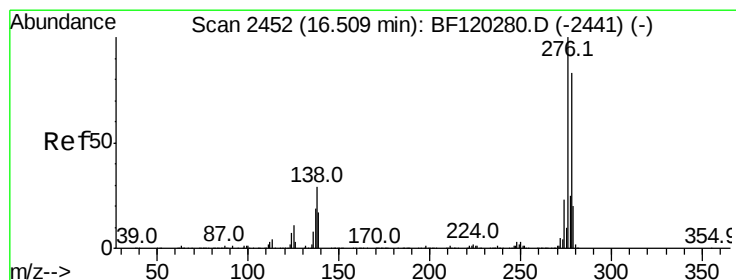
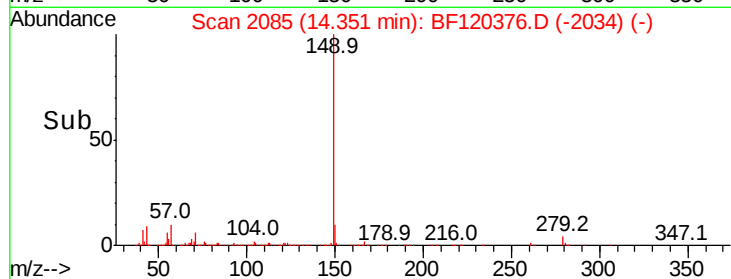
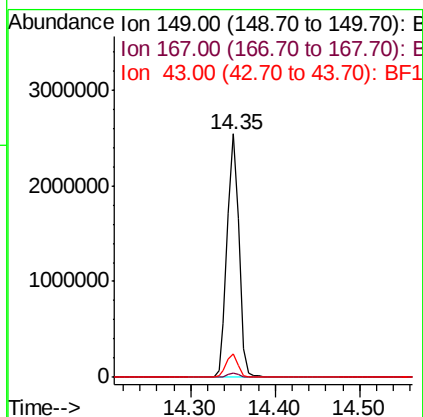
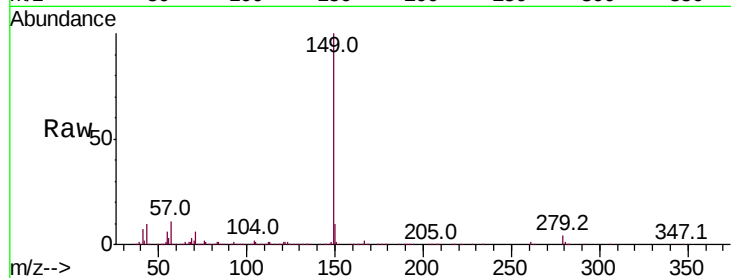




#85
Di-n-octyl phthalate
Concen: 44.238 ng
RT: 14.35 min Scan# 2085
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

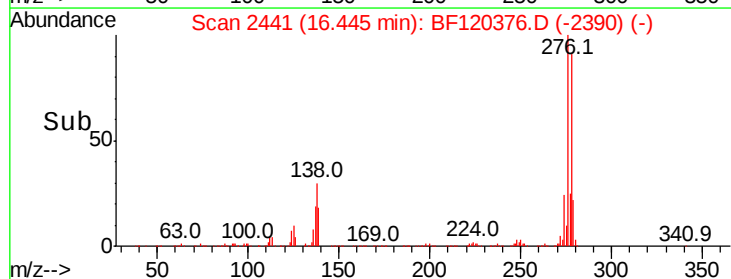
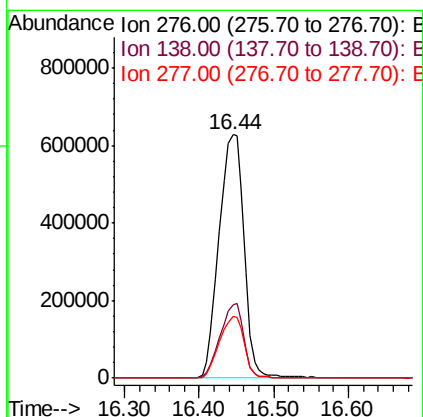
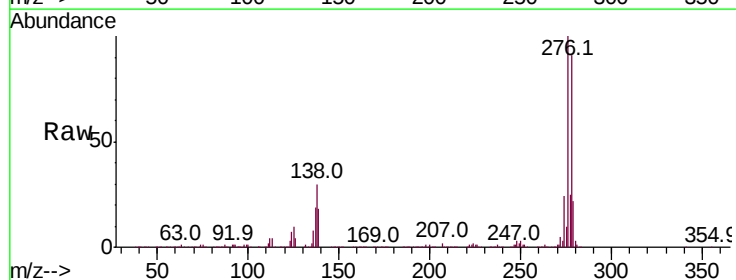
Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

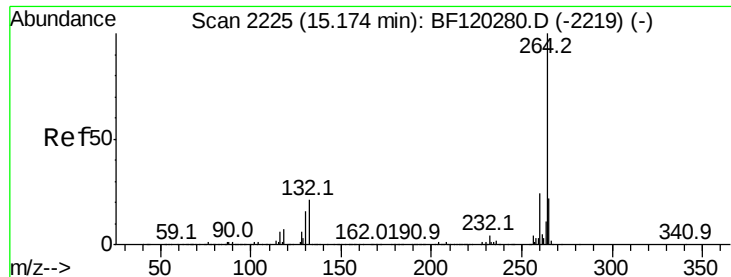
Tot Ion:149 Resp: 2473342
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.5 7.5 11.3



#86
Indeno(1,2,3-cd)pyrene
Concen: 38.576 ng
RT: 16.44 min Scan# 2441
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:276 Resp: 1475540
Ion Ratio Lower Upper
276 100
138 28.5 23.3 34.9
277 24.9 20.2 30.4



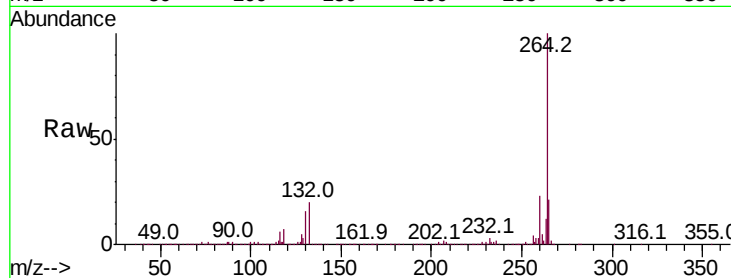


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

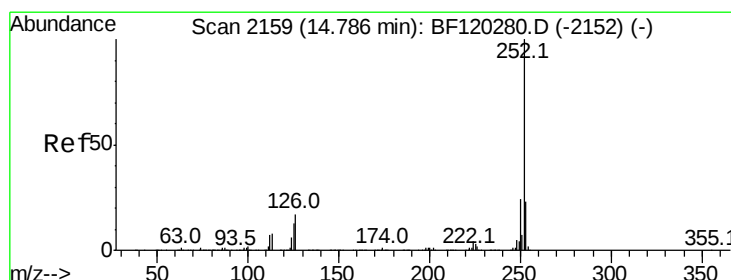
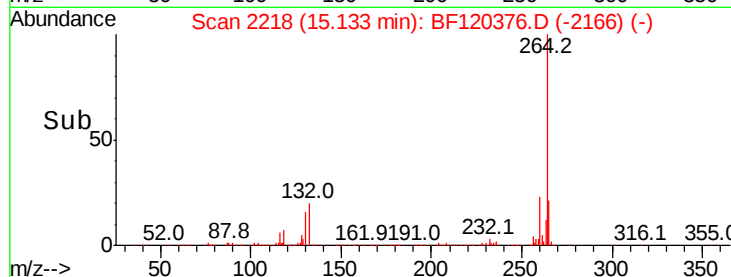
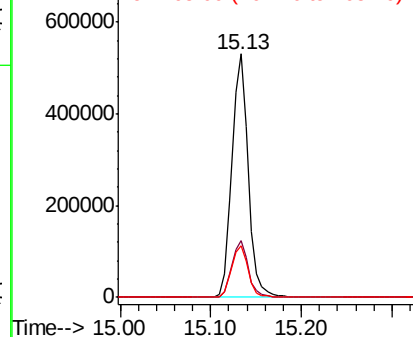
Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

Tot Ion:264 Resp: 661781

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	21.3	17.5	26.3



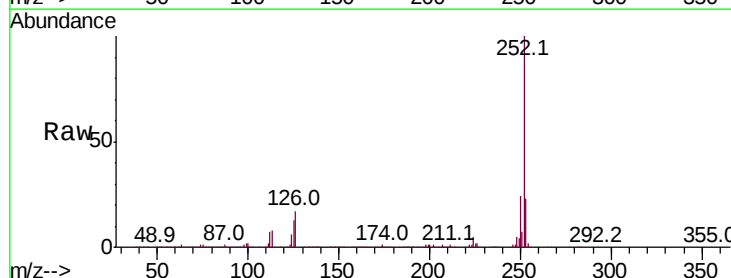
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



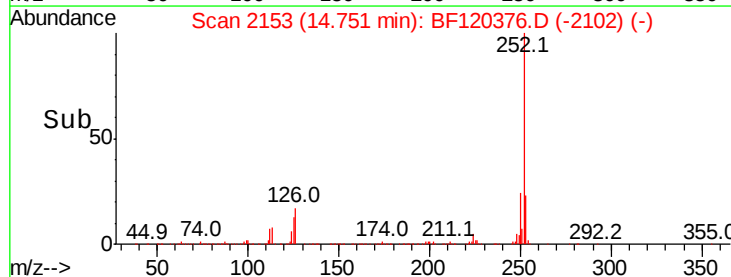
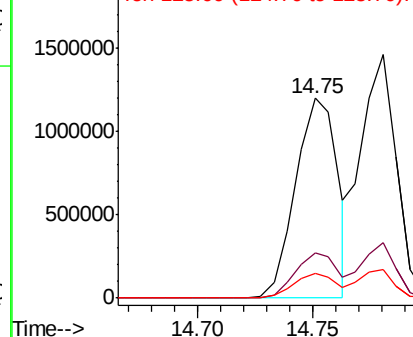
#88
Benzo(b)fluoranthene
Concen: 41.920 ng
RT: 14.75 min Scan# 2153
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

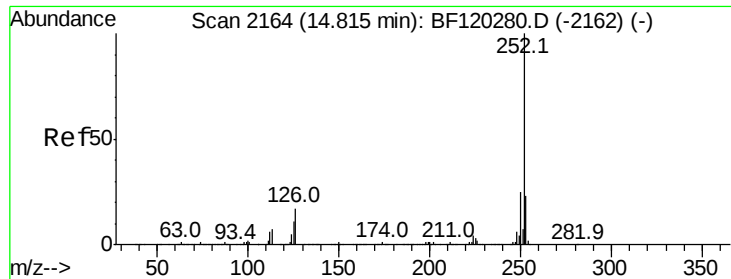
Tgt Ion:252 Resp: 1515065

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.6	10.4	15.6



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

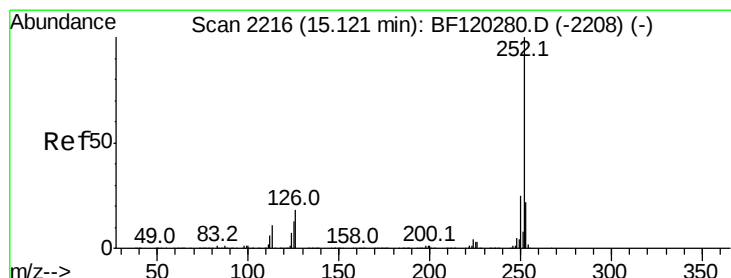
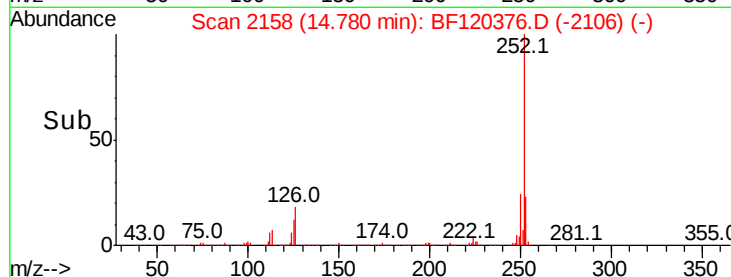
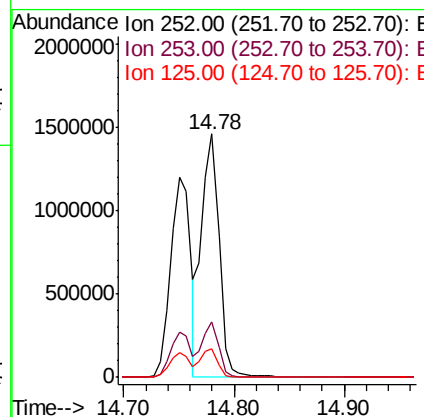
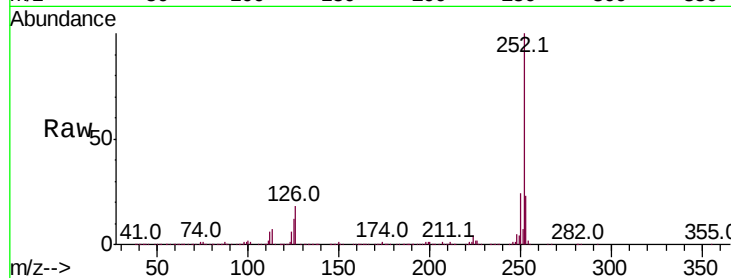




#89
Benzo(k)fluoranthene
Concen: 50.565 ng
RT: 14.78 min Scan# 2158
Delta R.T. 0.01 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

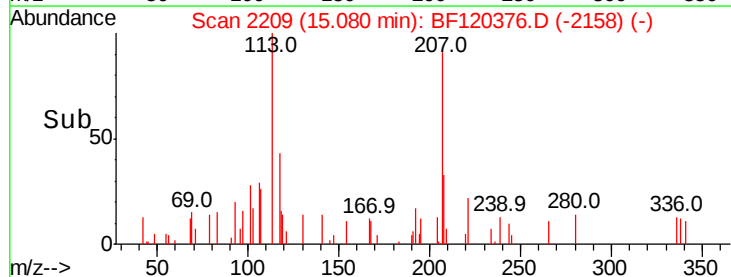
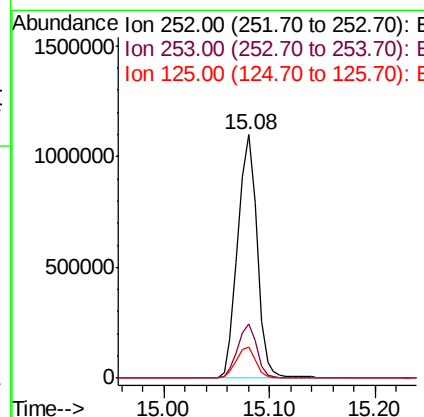
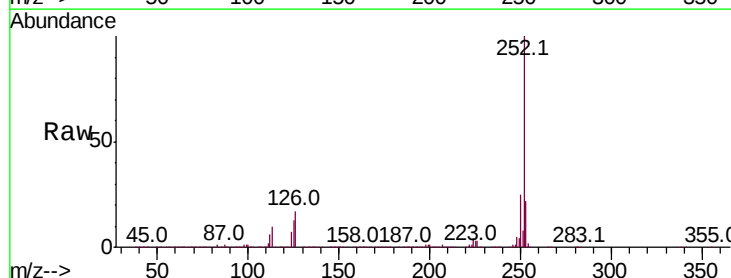
Instrument :
BNA_M
ClientSampleId :
HD-02-051920MSD

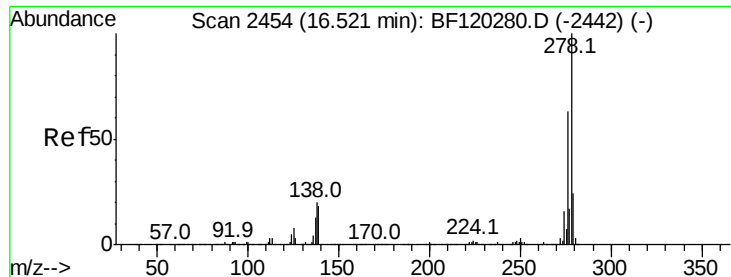
Tot Ion:252 Resp: 1583305
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 11.9 9.9 14.9



#90
Benzo(a)pyrene
Concen: 42.971 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF120376.D
Acq: 20 May 2020 18:13

Tgt Ion:252 Resp: 1392784
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 12.8 10.6 16.0





#91

Dibenzo(a,h)anthracene

Concen: 42.074 ng

RT: 16.45 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

Instrument :

BNA_M

ClientSampleId :

HD-02-051920MSD

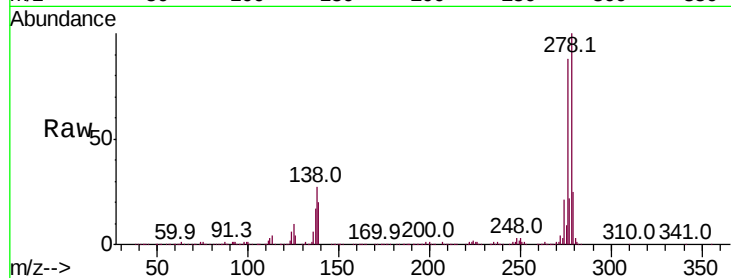
Tot Ion:278 Resp: 1208124

Ion Ratio Lower Upper

278 100

139 20.5 14.7 22.1

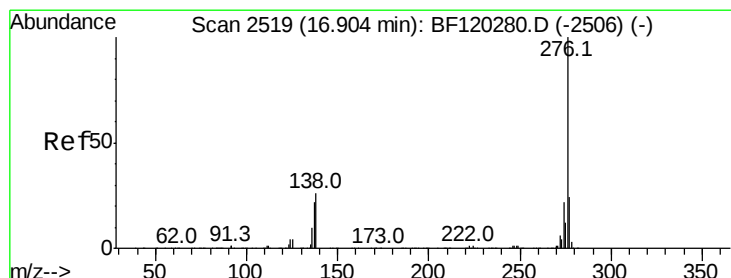
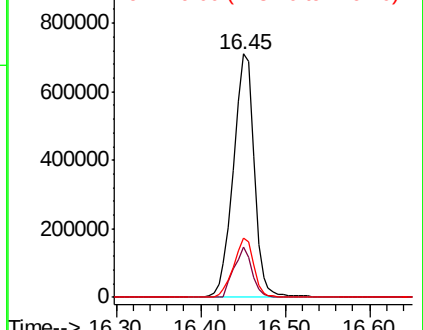
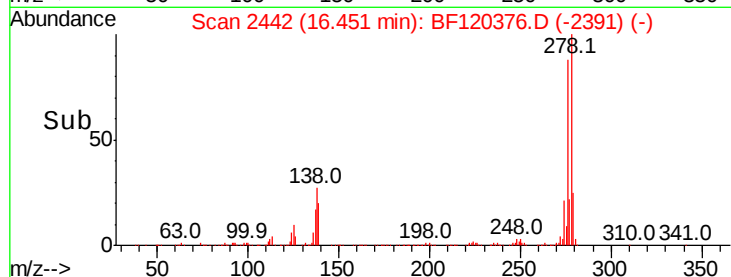
279 24.5 19.2 28.8



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: 44.226 ng

RT: 16.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BF120376.D

Acq: 20 May 2020 18:13

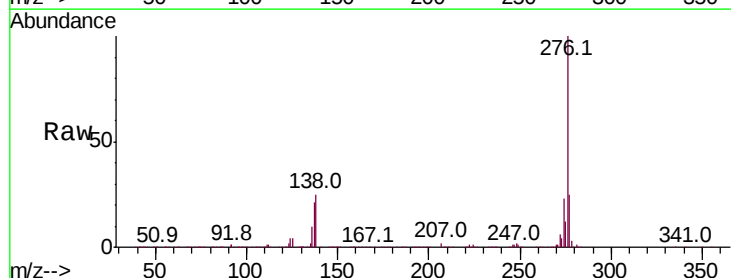
Tgt Ion:276 Resp: 1280595

Ion Ratio Lower Upper

276 100

277 24.6 19.1 28.7

138 25.2 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

