

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF051820\
 Data File : BF120346.D
 Acq On : 18 May 2020 17:18
 Operator : MA/SJ
 Sample : PB128946BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB128946BS

Quant Time: May 18 17:53:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 18 15:23:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	305844	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1184422	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	567683	20.00	ng	0.00
64) Phenanthrene-d10	11.12	188	1062291	20.00	ng	0.00
76) Chrysene-d12	13.76	240	805329	20.00	ng	0.00
87) Perylene-d12	15.14	264	769135	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	2299901	146.31	ng	0.01
7) Phenol-d6	6.26	99	2736392	137.66	ng	0.00
23) Nitrobenzene-d5	7.17	82	1719331	99.39	ng	0.00
42) 2,4,6-Tribromophenol	10.44	330	649949	140.42	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2987054	108.10	ng	0.00
79) Terphenyl-d14	12.71	244	3111013	85.34	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.29	88	370575	59.265	ng	100
3) Pyridine	2.95	79	802825	40.844	ng	98
4) n-Nitrosodimethylamine	2.90	42	431853	56.111	ng	95
6) Aniline	6.27	93	956376	37.620	ng	94
8) 2-Chlorophenol	6.39	128	885519	48.316	ng	97
9) Benzaldehyde	6.15	77	535850	43.728	ng	97
10) Phenol	6.27	94	1079851	46.536	ng	91
11) bis(2-Chloroethyl)ether	6.35	93	819227	44.197	ng	96
12) 1,3-Dichlorobenzene	6.54	146	877588	44.748	ng	99
13) 1,4-Dichlorobenzene	6.62	146	918177	45.457	ng	98
14) 1,2-Dichlorobenzene	6.77	146	811656	44.622	ng	99
15) Benzyl Alcohol	6.76	79	661545	46.845	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.89	45	1351153	46.255	ng	80
17) 2-Methylphenol	6.88	107	690975	44.660	ng	94
18) Hexachloroethane	7.11	117	338683	44.014	ng	100
19) n-Nitroso-di-n-propylamine	7.03	70	579297	44.484	ng	94
20) 3+4-Methylphenols	7.04	107	864563	42.979	ng	96
22) Acetophenone	7.02	105	1166929	48.093	ng	97
24) Nitrobenzene	7.19	77	874986	46.997	ng	97
25) Isophorone	7.44	82	1604430	44.574	ng	100
26) 2-Nitrophenol	7.51	139	461220	47.367	ng	96
27) 2,4-Dimethylphenol	7.56	122	708575	50.026	ng	96
28) bis(2-Chloroethoxy)methane	7.65	93	984395	43.511	ng	100
29) 2,4-Dichlorophenol	7.76	162	681878	46.873	ng	99
30) 1,2,4-Trichlorobenzene	7.83	180	740704	45.948	ng	99
31) Naphthalene	7.91	128	2362829	47.268	ng	99
32) Benzoic acid	7.72	122	407663	43.909	ng	98
33) 4-Chloroaniline	7.97	127	687621	30.184	ng	99
34) Hexachlorobutadiene	8.03	225	387987	41.640	ng	98
35) Caprolactam	8.36	113	107187	22.522	ng	99
36) 4-Chloro-3-methylphenol	8.47	107	719242	45.704	ng	96
37) 2-Methylnaphthalene	8.60	142	1525202	44.586	ng	99
38) 1-Methylnaphthalene	8.70	142	1481260	44.646	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.77	216	692630	48.387	ng	99

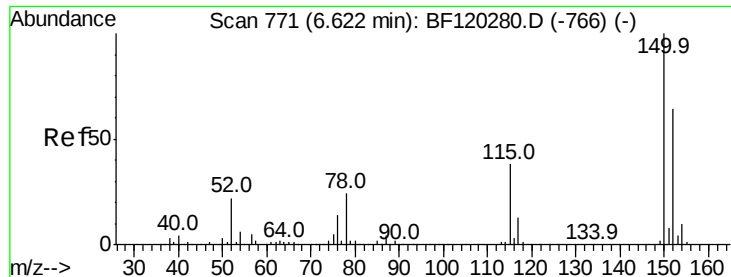
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF051820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.75	237	606307	100.802	nq	99
43) 2,4,6-Trichlorophenol	8.89	196	451894	47.031	nq	99
44) 2,4,5-Trichlorophenol	8.94	196	482118	43.692	nq	99
46) 1,1'-Biphenyl	9.07	154	1828193	49.151	nq	99
47) 2-Chloronaphthalene	9.09	162	1363111	45.687	nq	99
48) 2-Nitroaniline	9.20	65	513155	47.139	nq	99
49) Acenaphthylene	9.50	152	2239036	49.128	nq	99
50) Dimethylphthalate	9.38	163	1652267	46.042	nq	99
51) 2,6-Dinitrotoluene	9.44	165	372804	46.546	nq	96
52) Acenaphthene	9.67	154	1301668	47.648	nq	99
53) 3-Nitroaniline	9.61	138	278049	29.111	nq	97
54) 2,4-Dinitrophenol	9.73	184	346652	91.691	nq	92
55) Dibenzofuran	9.85	168	1872736	47.603	nq	99
56) 4-Nitrophenol	9.80	139	444338	86.580	nq	88
57) 2,4-Dinitrotoluene	9.85	165	436980	46.510	nq	96
58) Fluorene	10.19	166	1486002	49.599	nq	99
59) 2,3,4,6-Tetrachlorophenol	9.97	232	400396	48.216	nq	100
60) Diethylphthalate	10.08	149	1649564	47.613	nq	99
61) 4-Chlorophenyl-phenylether	10.19	204	713777	45.822	nq	95
62) 4-Nitroaniline	10.23	138	398470	44.802	nq	97
63) Azobenzene	10.35	77	1532305	46.797	nq	95
65) 4,6-Dinitro-2-methylphenol	10.26	198	258351	48.089	nq	92
66) n-Nitrosodiphenylamine	10.31	169	1362082	46.346	nq	99
67) 4-Bromophenyl-phenylether	10.67	248	468175	45.418	nq	96
68) Hexachlorobenzene	10.74	284	494275	45.834	nq	94
69) Atrazine	10.85	200	371818	42.281	nq	99
70) Pentachlorophenol	10.94	266	416829	90.879	nq	98
71) Phenanthrene	11.15	178	2109958	47.269	nq	100
72) Anthracene	11.20	178	2279456	47.701	nq	99
73) Carbazole	11.36	167	2071626	46.398	nq	99
74) Di-n-butylphthalate	11.69	149	2537630	47.158	nq	99
75) Fluoranthene	12.33	202	2323486	48.564	nq	99
77) Benzidine	12.46	184	1266359	53.849	nq	96
78) Pyrene	12.56	202	2334758	40.667	nq	100
80) Butylbenzylphthalate	13.19	149	1168302	43.215	nq	99
81) Benzo(a)anthracene	13.75	228	1965994	46.285	nq	100
82) 3,3'-Dichlorobenzidine	13.72	252	572158	35.745	nq	98
83) Chrysene	13.79	228	2097226	45.981	nq	100
84) Bis(2-ethylhexyl)phthalate	13.75	149	1429267	42.493	nq	99
85) Di-n-octyl phthalate	14.36	149	2703751	44.683	nq	98
86) Indeno(1,2,3-cd)pyrene	16.46	276	1591628	38.448	nq	98
88) Benzo(b)fluoranthene	14.76	252	1929882	45.945	nq	99
89) Benzo(k)fluoranthene	14.79	252	1825637	50.166	nq	99
90) Benzo(a)pyrene	15.09	252	1722883	45.736	nq	99
91) Dibenzo(a,h)anthracene	16.47	278	1330361	39.864	nq	100
92) Benzo(g,h,i)perylene	16.86	276	1326056	39.404	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

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PB128946BS

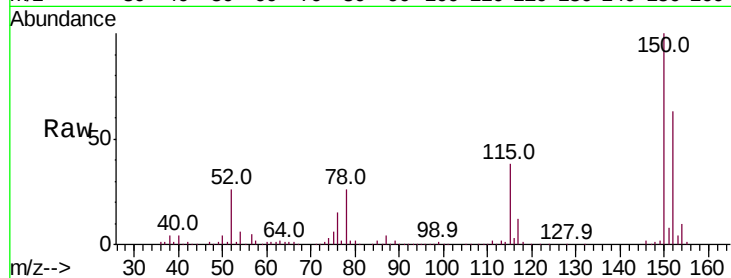
Tot Ion:152 Resp: 305844

Ion Ratio Lower Upper

152 100

150 159.8 126.2 189.2

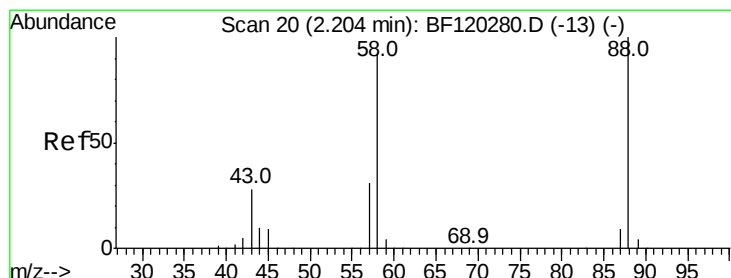
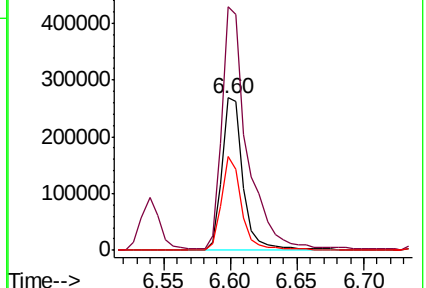
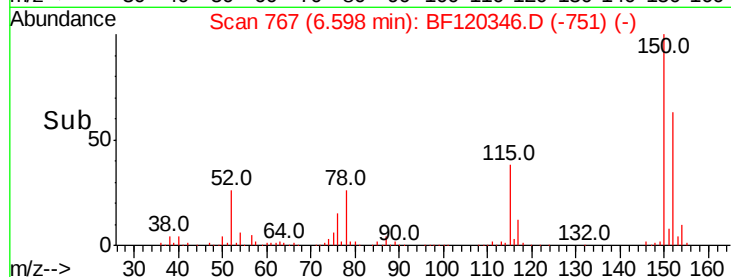
115 61.4 47.9 71.9



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



#2

1,4-Dioxane

Concen: 59.265 ng

RT: 2.29 min Scan# 34

Delta R.T. 0.08 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

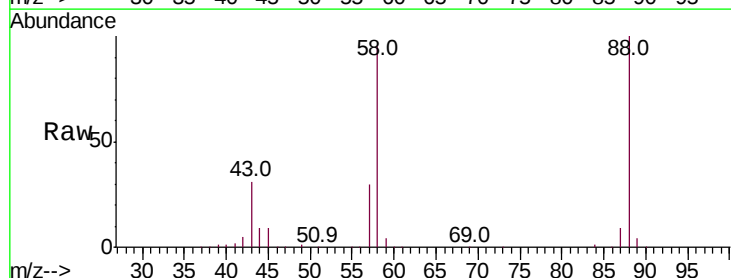
Tgt Ion: 88 Resp: 370575

Ion Ratio Lower Upper

88 100

58 94.7 75.8 113.6

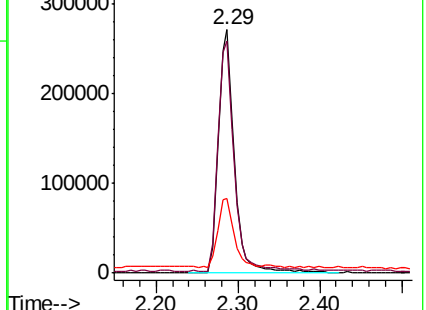
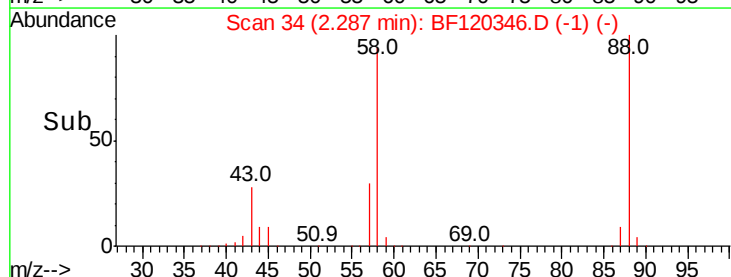
43 28.7 23.6 35.4

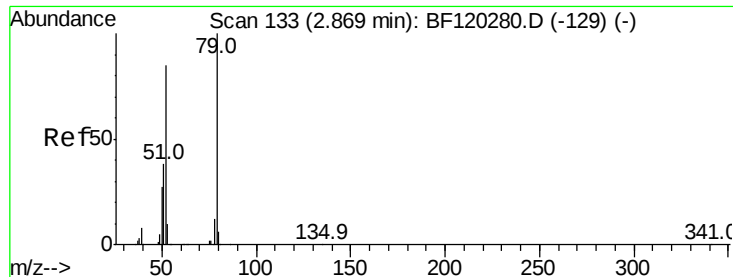


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 40.844 ng

RT: 2.95 min Scan# 147

Delta R.T. 0.09 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

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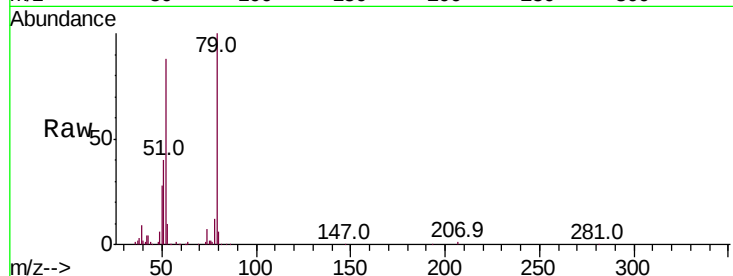
Tot Ion: 79 Resp: 802825

Ion Ratio Lower Upper

79 100

52 88.2 68.4 102.6

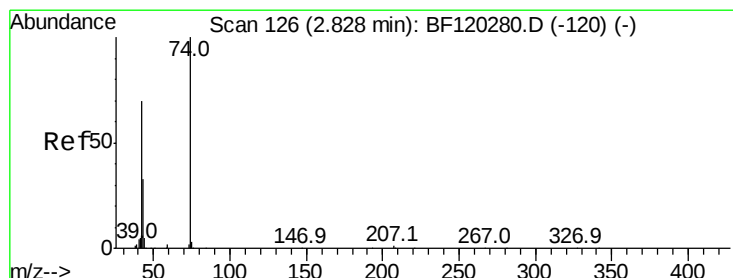
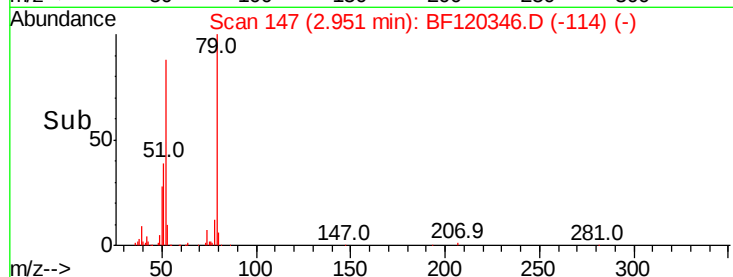
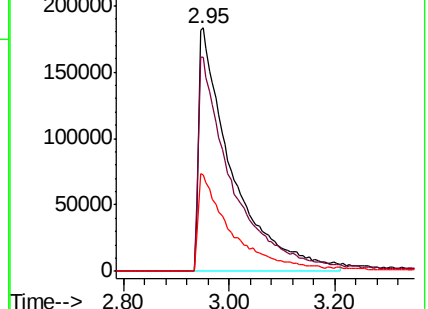
51 39.6 31.0 46.4



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 56.111 ng

RT: 2.90 min Scan# 138

Delta R.T. 0.07 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

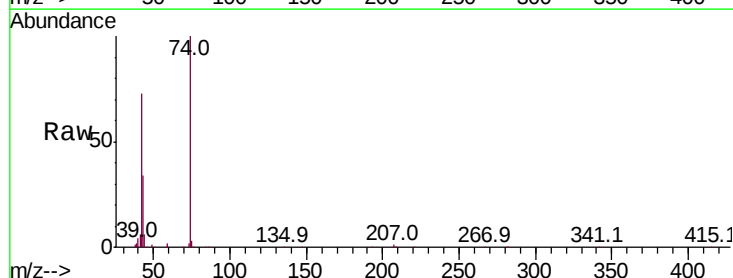
Tgt Ion: 42 Resp: 431853

Ion Ratio Lower Upper

42 100

74 137.3 114.8 172.2

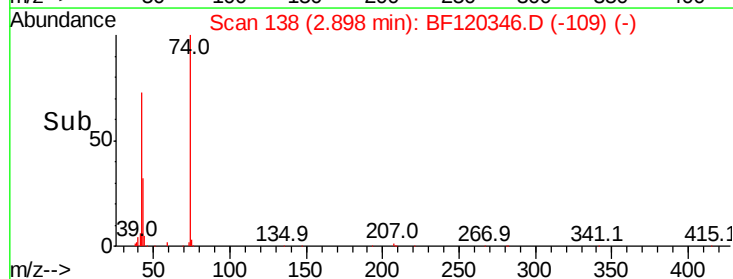
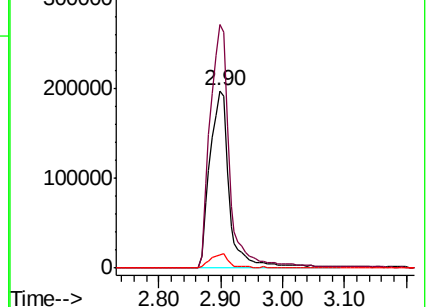
44 7.6 5.6 8.4

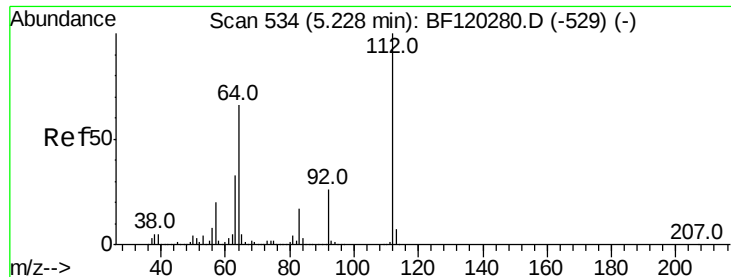


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 146.314 ng

RT: 5.22 min Scan# 533

Delta R.T. 0.01 min

Lab File: BF120346.D

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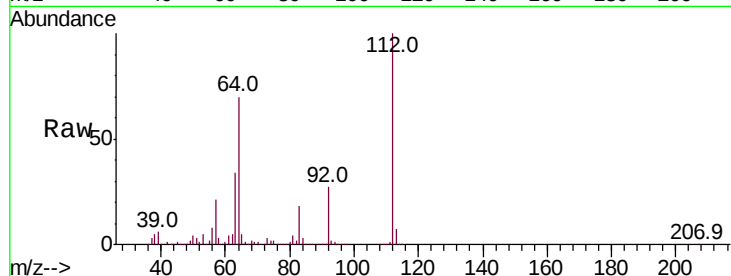
Tot Ion:112 Resp: 2299901

Ion Ratio Lower Upper

112 100

64 69.9 52.7 79.1

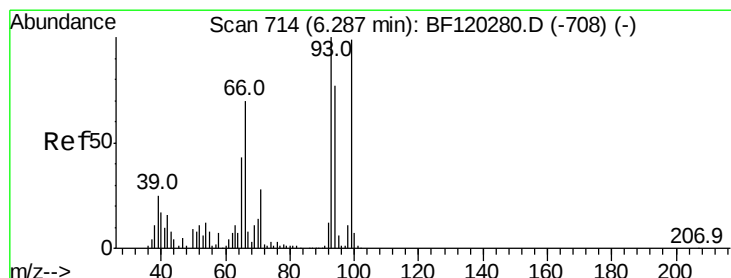
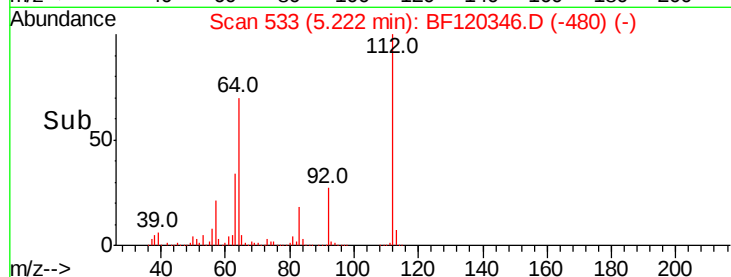
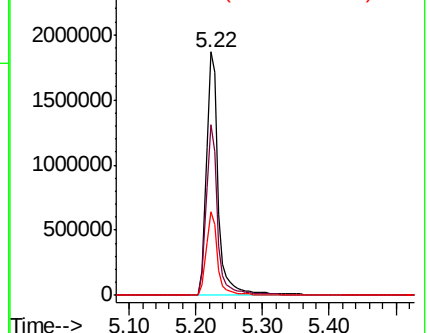
63 34.5 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 37.620 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

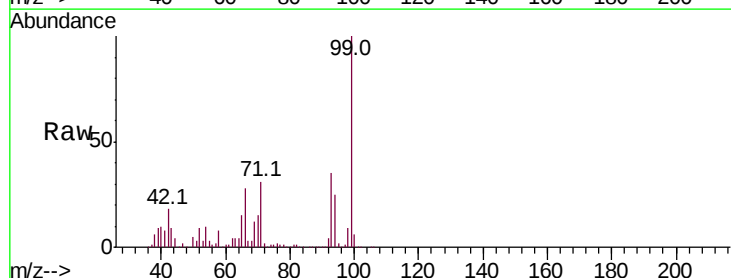
Tgt Ion: 93 Resp: 956376

Ion Ratio Lower Upper

93 100

66 77.5 56.2 84.4

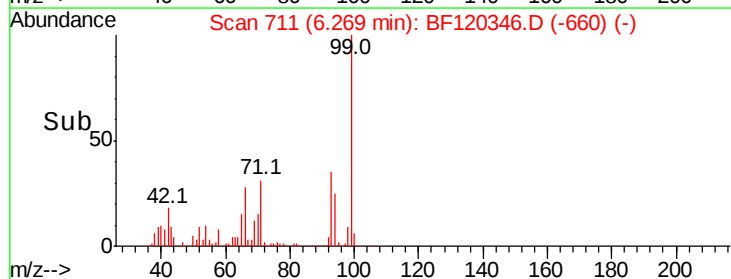
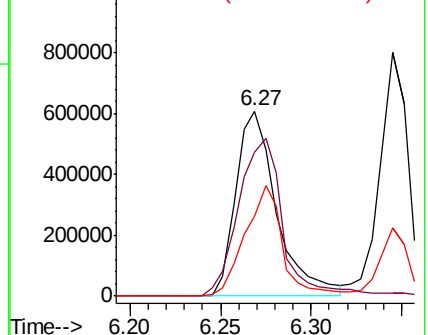
65 43.4 34.2 51.2

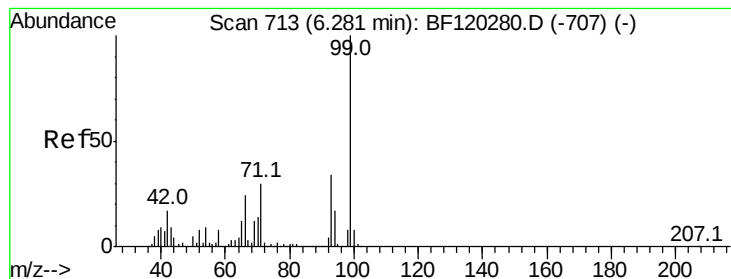


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 137.659 ng

RT: 6.26 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF120346.D

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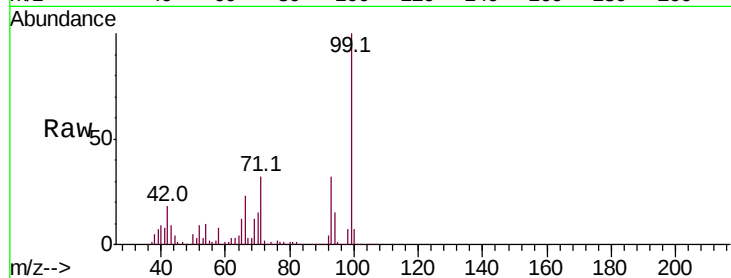
Tot Ion: 99 Resp: 2736392

Ion Ratio Lower Upper

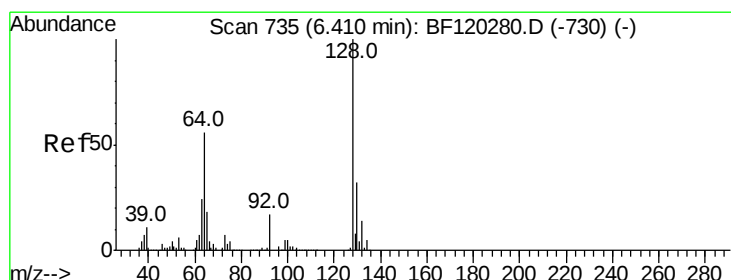
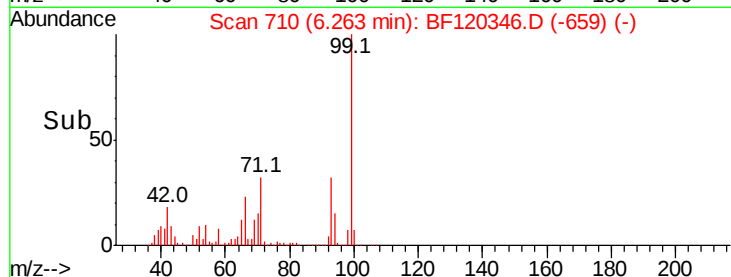
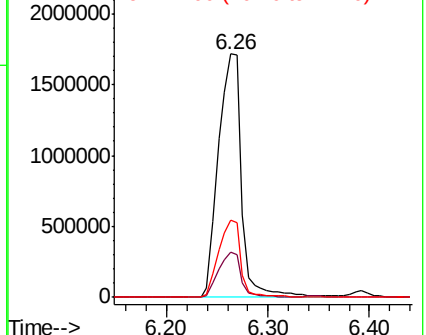
99 100

42 18.5 13.6 20.4

71 31.5 24.2 36.4



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 48.316 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

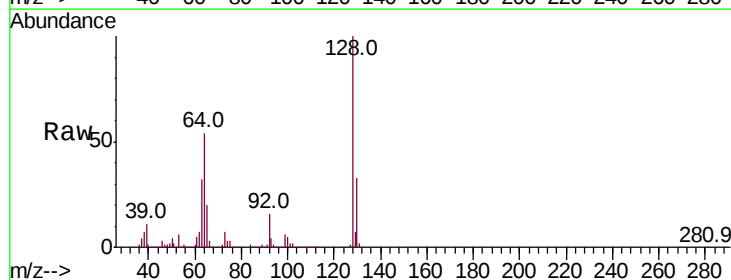
Tgt Ion: 128 Resp: 885519

Ion Ratio Lower Upper

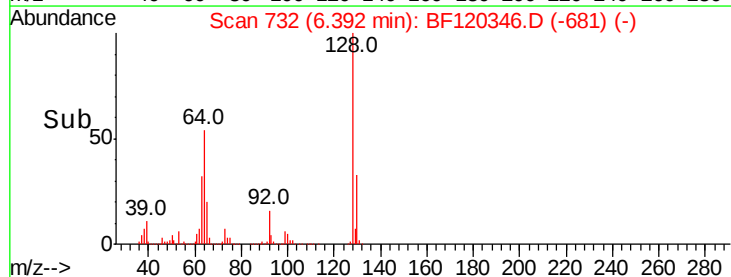
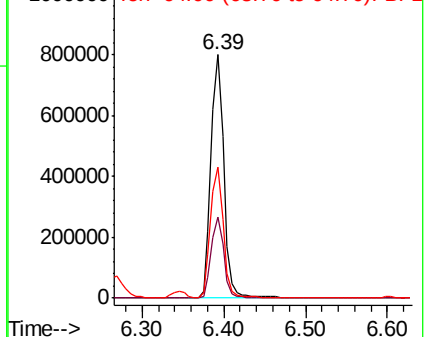
128 100

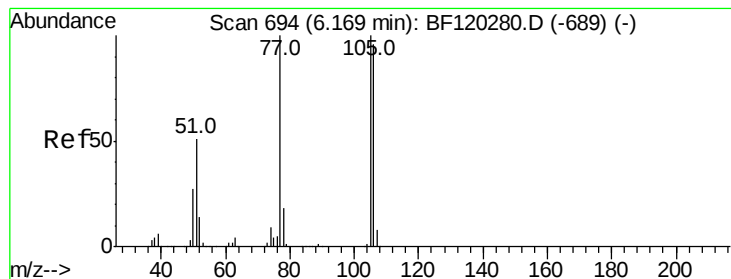
130 33.2 12.4 52.4

64 54.0 36.7 76.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 43.728 ng

RT: 6.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF120346.D

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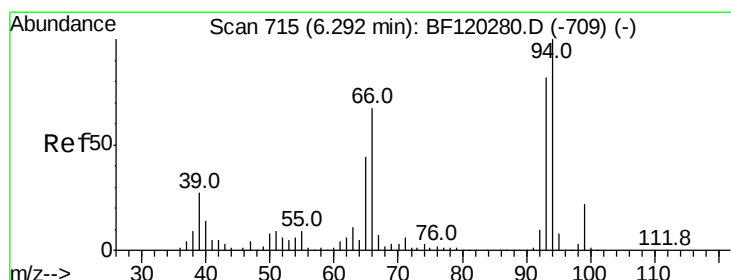
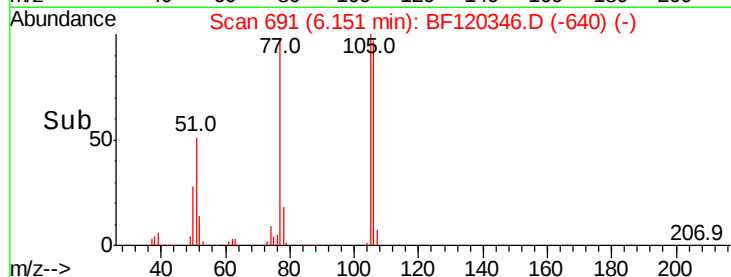
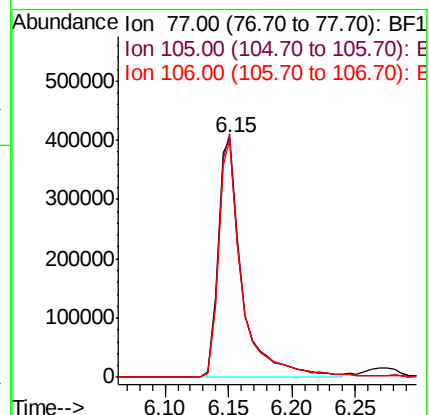
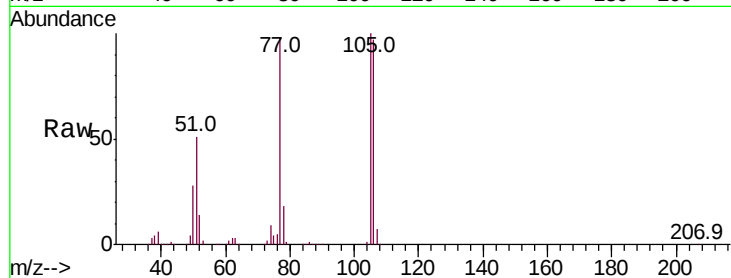
Tot Ion: 77 Resp: 535850

Ion Ratio Lower Upper

77 100

105 102.0 79.9 119.9

106 99.4 75.7 115.7



#10

Phenol

Concen: 46.536 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

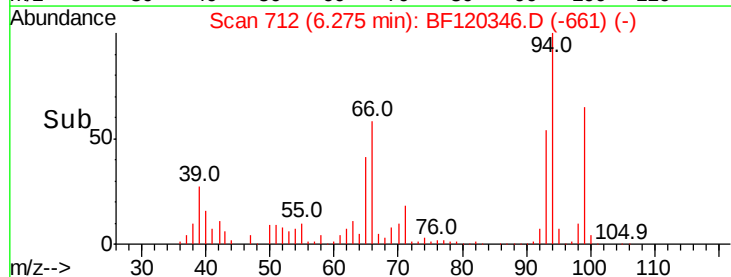
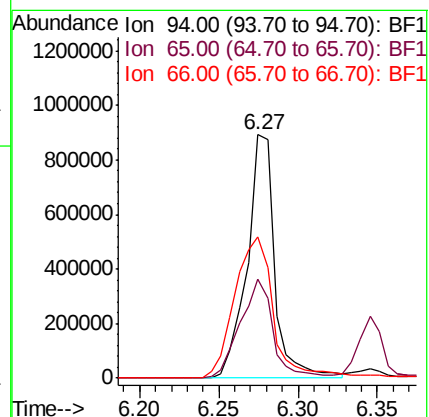
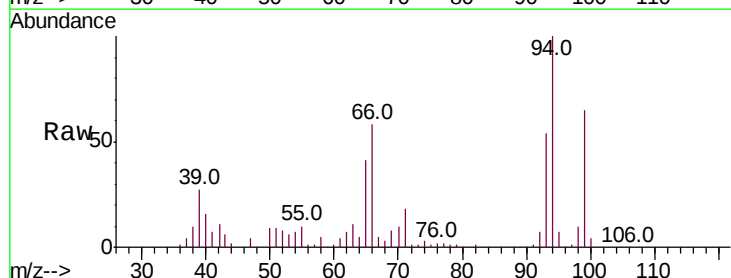
Tgt Ion: 94 Resp: 1079851

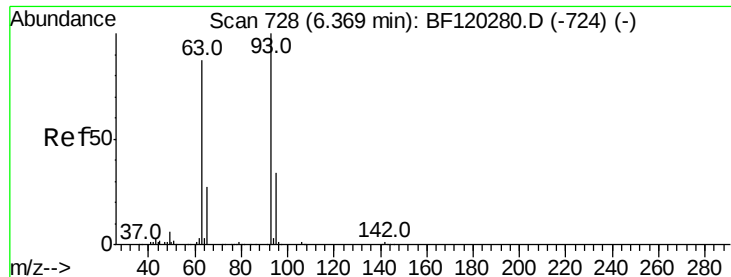
Ion Ratio Lower Upper

94 100

65 40.8 24.1 64.1

66 58.0 47.5 87.5

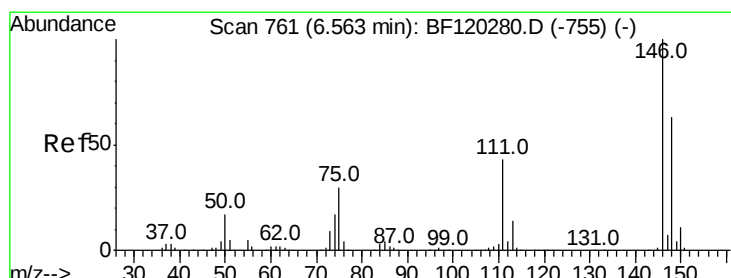
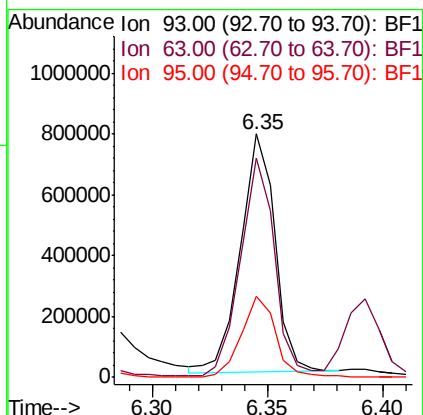
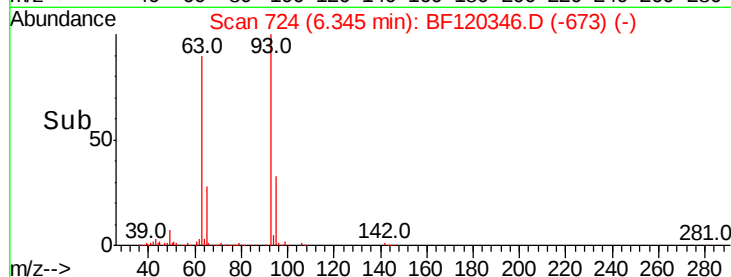
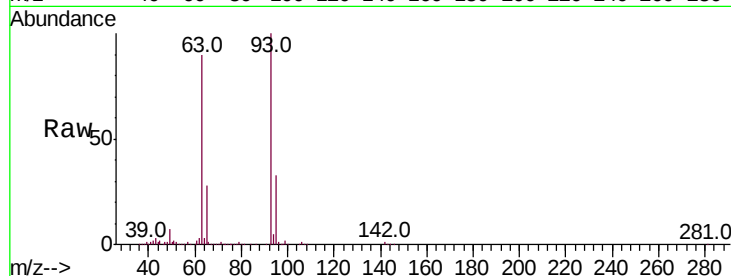




#11
bis(2-Chloroethyl)ether
Concen: 44.197 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

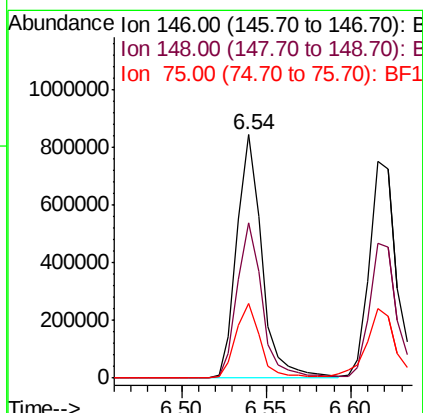
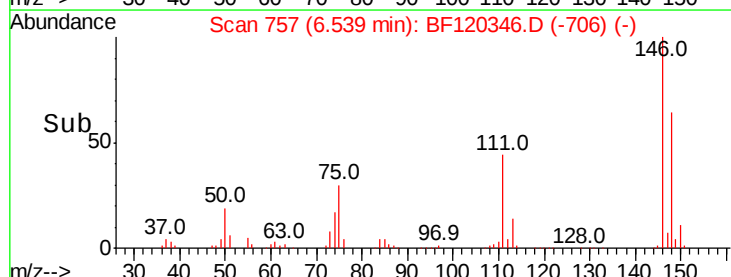
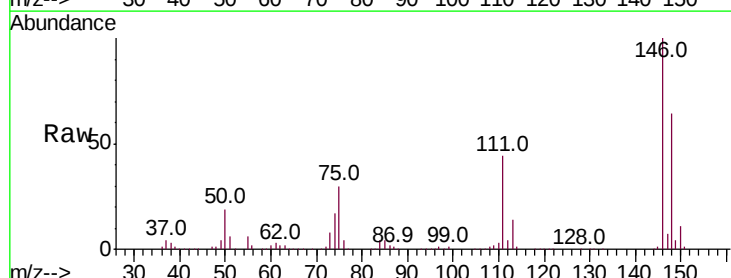
Instrument :
BNA_F
ClientSampleId :
PB128946BS

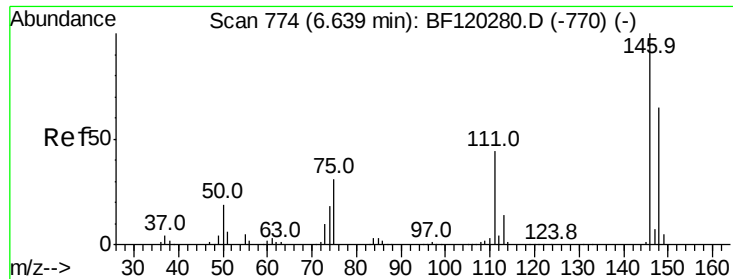
Tot Ion: 93 Resp: 819227
Ion Ratio Lower Upper
93 100
63 89.9 65.4 105.4
95 33.3 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 44.748 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion: 146 Resp: 877588
Ion Ratio Lower Upper
146 100
148 63.7 50.5 75.7
75 30.4 24.2 36.4

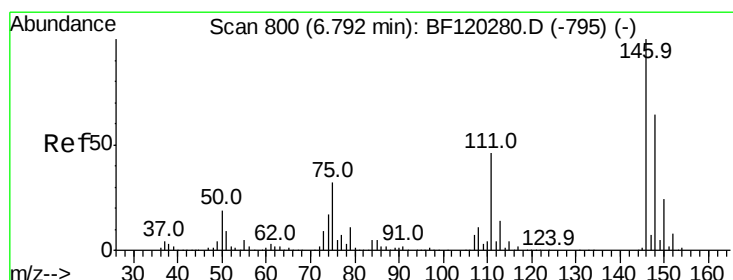
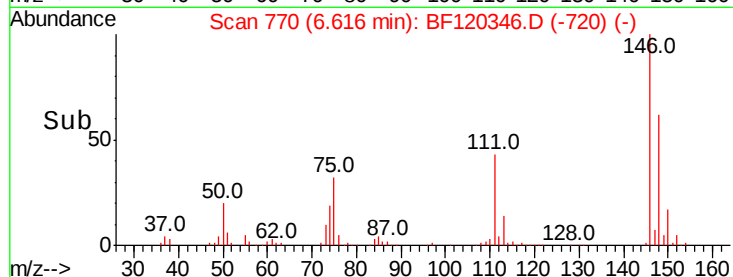
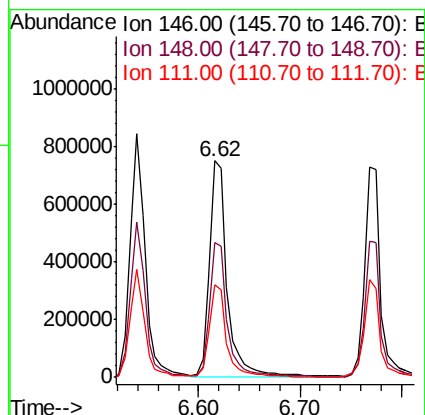
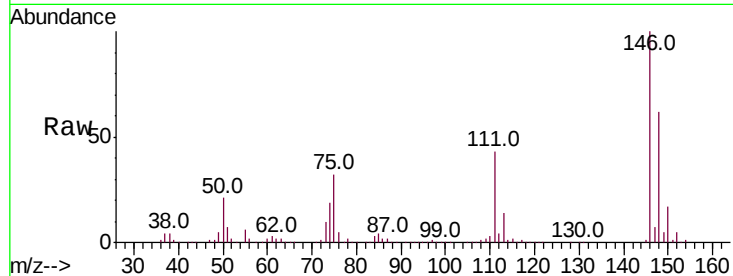




#13
 1,4-Dichlorobenzene
 Concen: 45.457 ng
 RT: 6.62 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

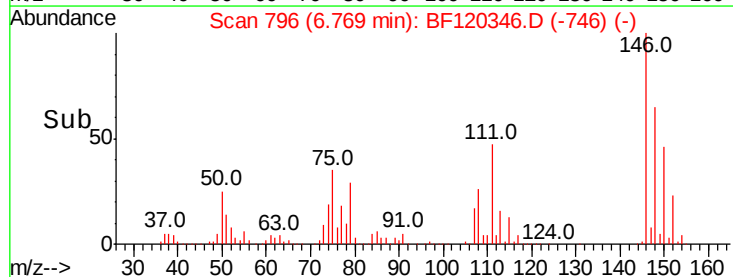
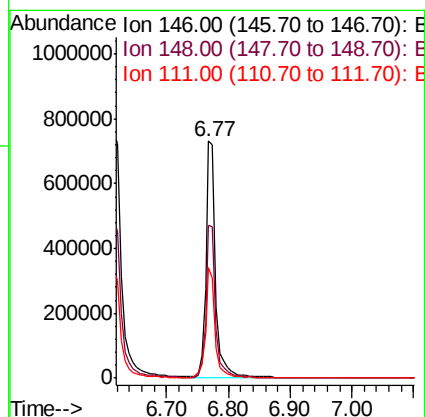
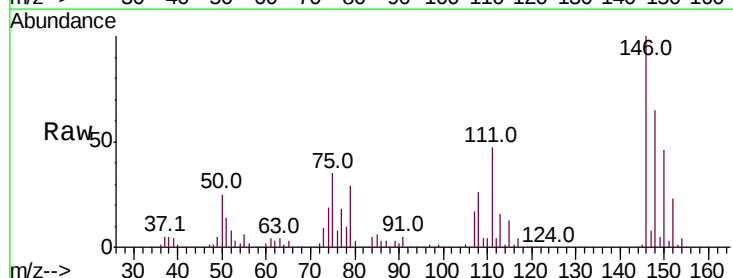
Instrument :
 BNA_F
 ClientSampleId :
 PB128946BS

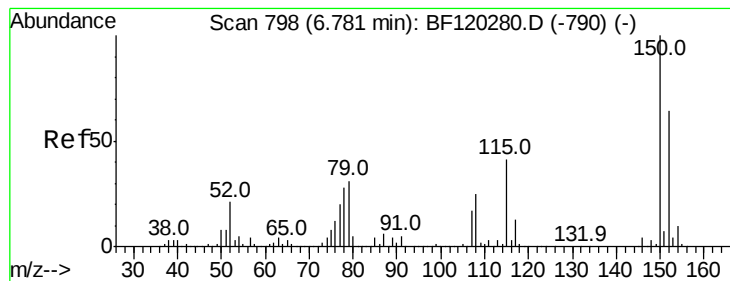
Tot Ion:146 Resp: 918177
 Ion Ratio Lower Upper
 146 100
 148 62.3 51.6 77.4
 111 43.1 35.1 52.7



#14
 1,2-Dichlorobenzene
 Concen: 44.622 ng
 RT: 6.77 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

Tgt Ion:146 Resp: 811656
 Ion Ratio Lower Upper
 146 100
 148 64.6 51.1 76.7
 111 46.6 36.6 55.0





#15

Benzyl Alcohol

Concen: 46.845 ng

RT: 6.76 min Scan# 795

Delta R.T. 0.01 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

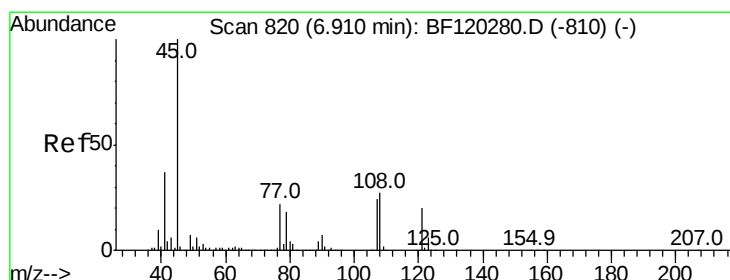
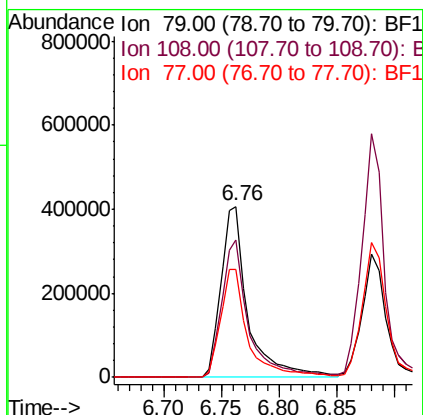
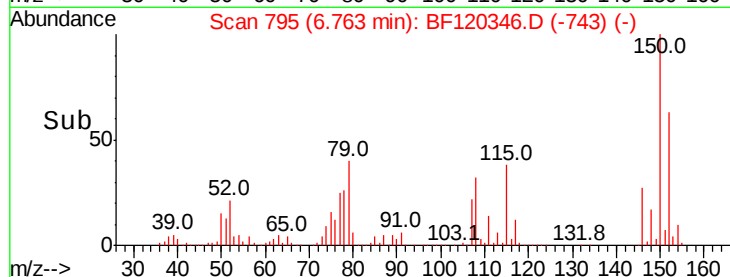
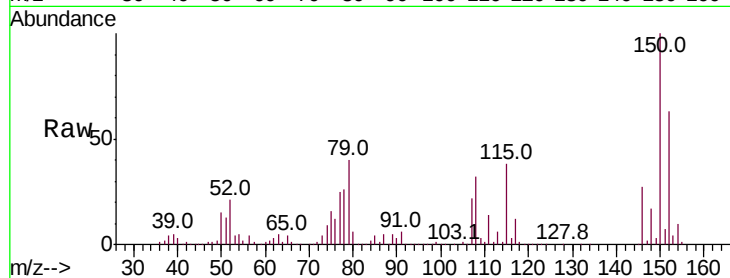
Tot Ion: 79 Resp: 661545

Ion Ratio Lower Upper

79 100

108 80.6 64.2 96.4

77 62.9 51.6 77.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 46.255 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

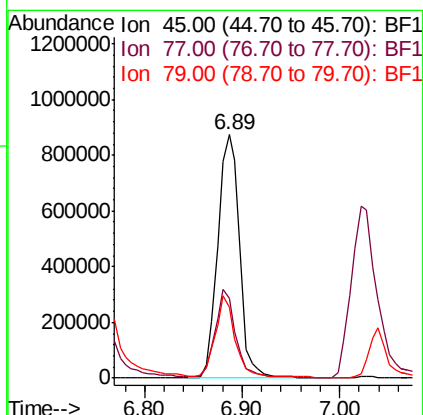
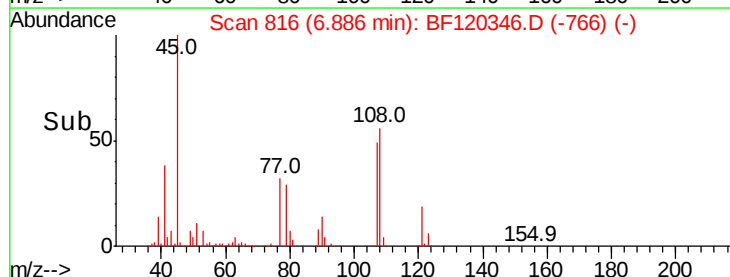
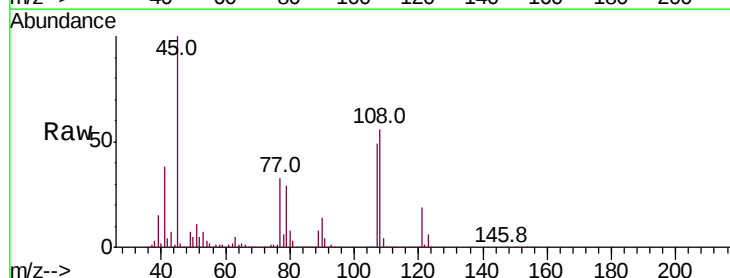
Tgt Ion: 45 Resp: 1351153

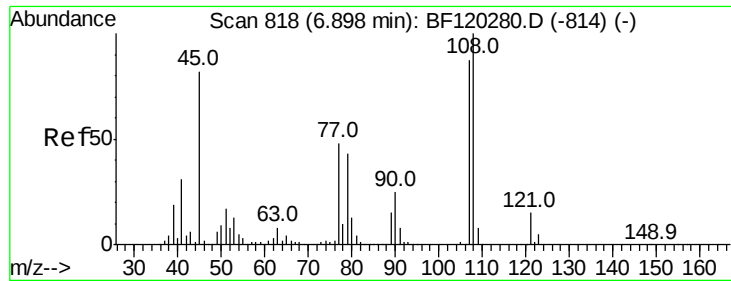
Ion Ratio Lower Upper

45 100

77 32.7 3.1 43.1

79 29.2 0.0 40.0

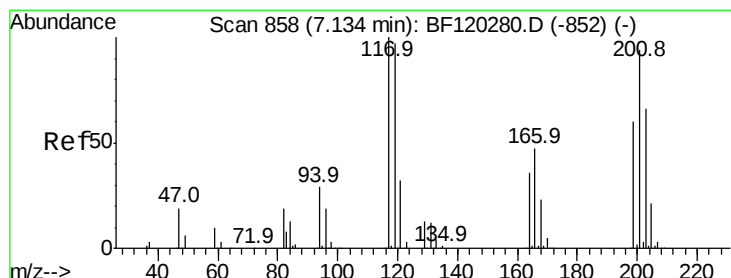
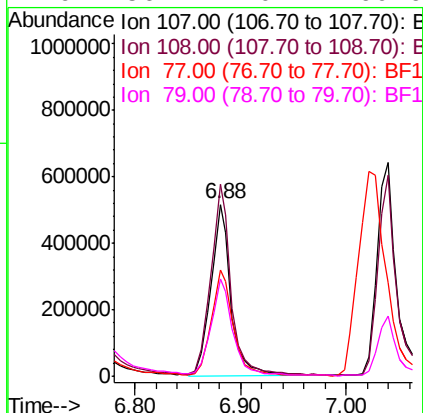
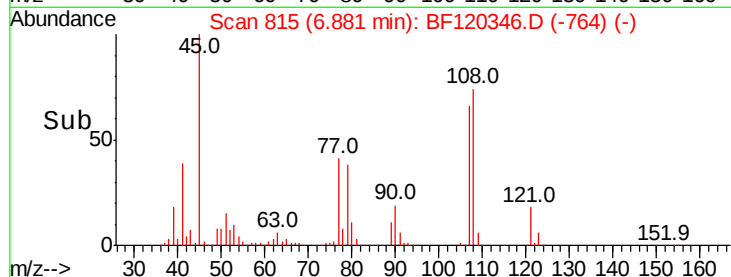
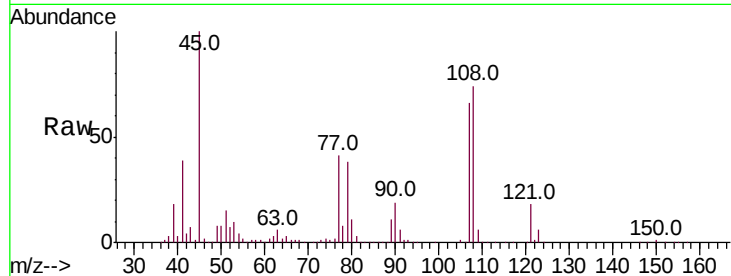




#17
2-Methylphenol
Concen: 44.660 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

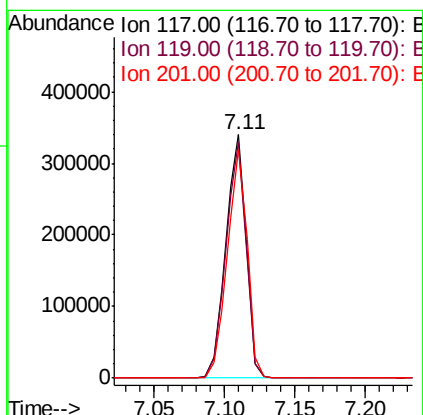
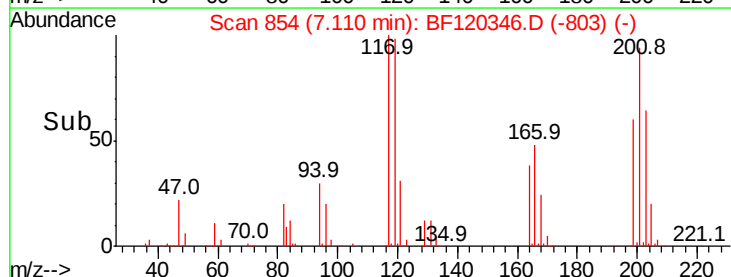
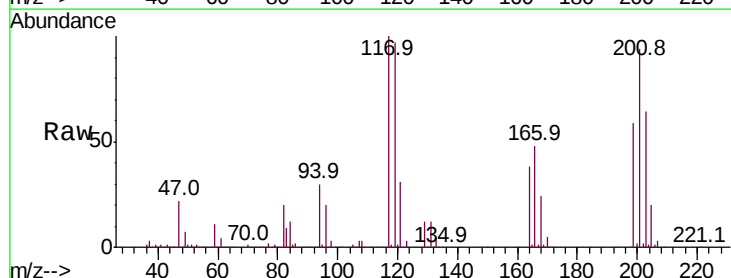
Instrument :
BNA_F
ClientSampled :
PB128946BS

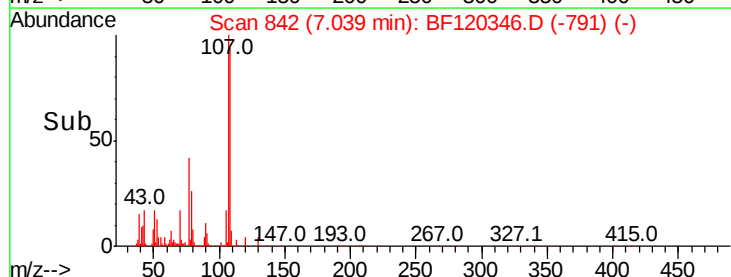
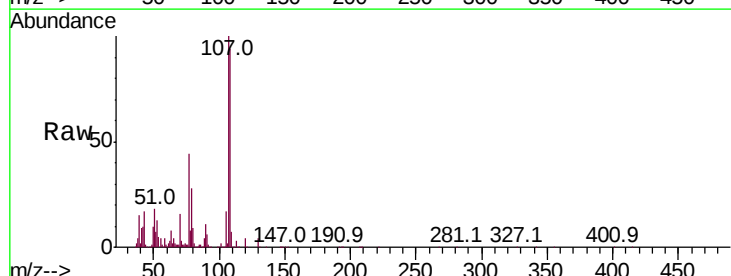
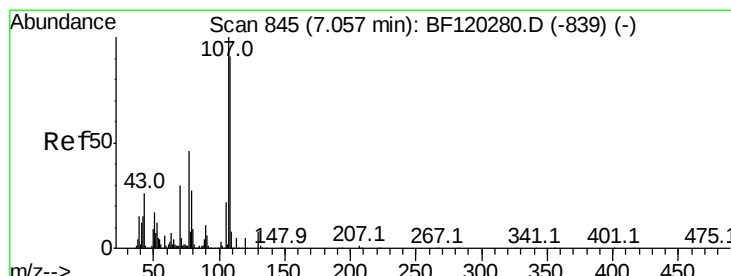
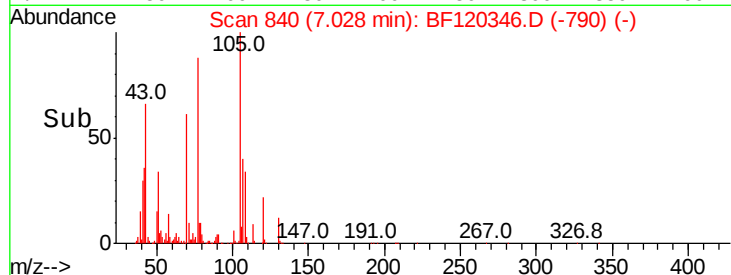
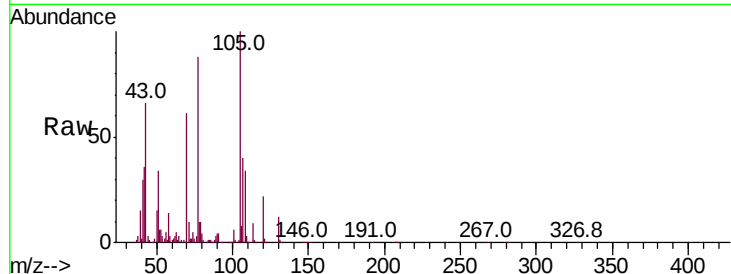
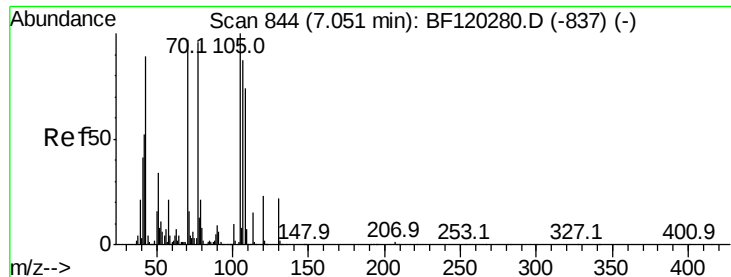
Tot Ion:107 Resp: 690975
Ion Ratio Lower Upper
107 100
108 111.8 92.4 138.6
77 61.8 44.5 66.7
79 56.7 40.4 60.6



#18
Hexachloroethane
Concen: 44.014 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion:117 Resp: 338683
Ion Ratio Lower Upper
117 100
119 97.0 77.4 116.0
201 93.6 74.9 112.3

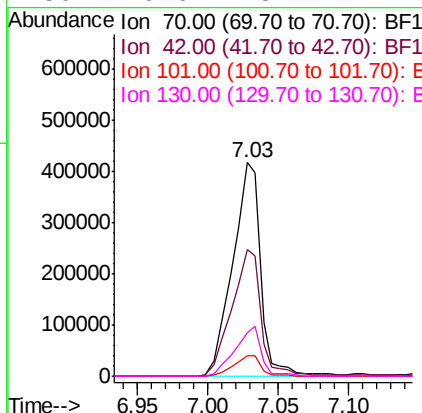




#19
n-Nitroso-di-n-propylamine
Concen: 44.484 ng
RT: 7.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

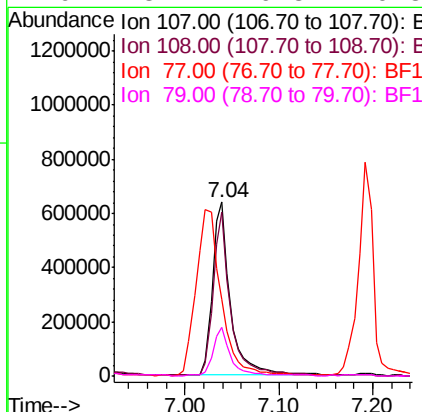
Instrument :
BNA_F
ClientSampleId :
PB128946BS

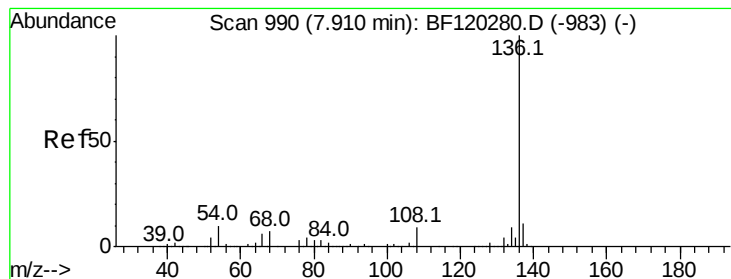
Tot Ion:	70	Resp:	579297
Ion	Ratio	Lower	Upper
70	100		
42	59.2	43.4	65.0
101	9.4	7.8	11.8
130	20.6	18.2	27.4



#20
3+4-Methylphenols
Concen: 42.979 ng
RT: 7.04 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion:	107	Resp:	864563
Ion	Ratio	Lower	Upper
107	100		
108	94.2	71.1	111.1
77	43.8	28.1	68.1
79	28.2	6.8	46.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

Tot Ion:136 Resp: 1184422

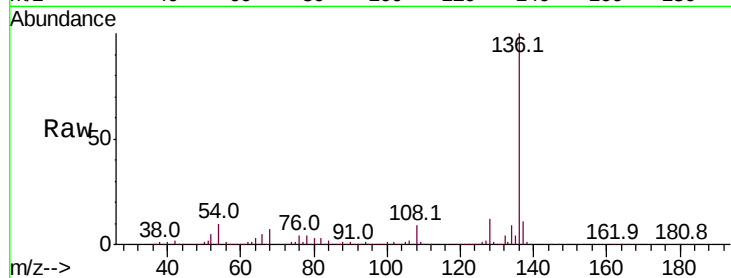
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 10.5 7.9 11.9

68 7.0 5.4 8.2

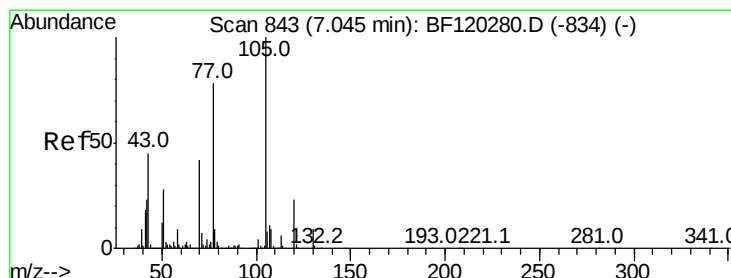
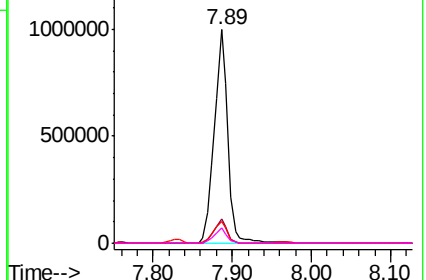
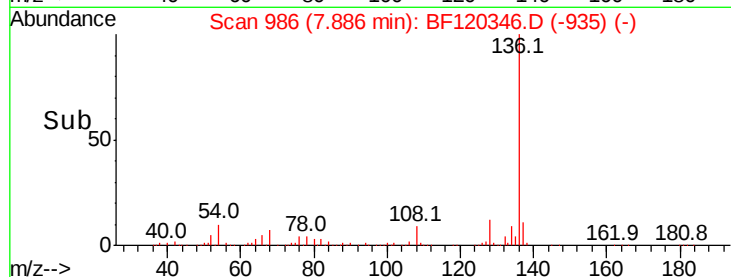


Abundance Ion 136.00 (135.70 to 136.70): E

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: 48.093 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Tgt Ion:105 Resp: 1166929

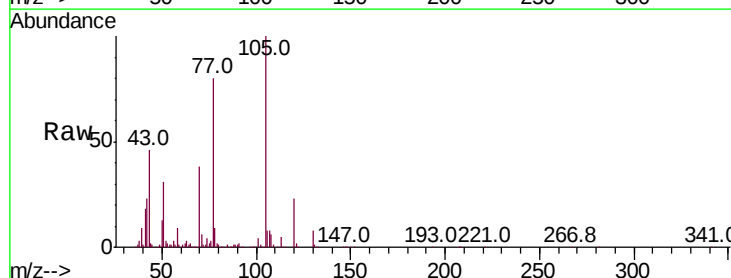
Ion Ratio Lower Upper

105 100

71 6.3 5.6 8.4

51 31.1 22.6 34.0

120 23.3 18.7 28.1

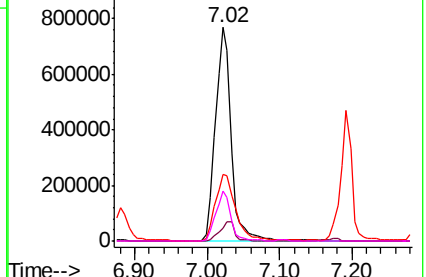
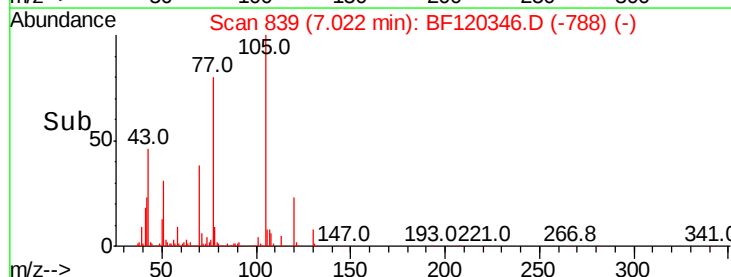


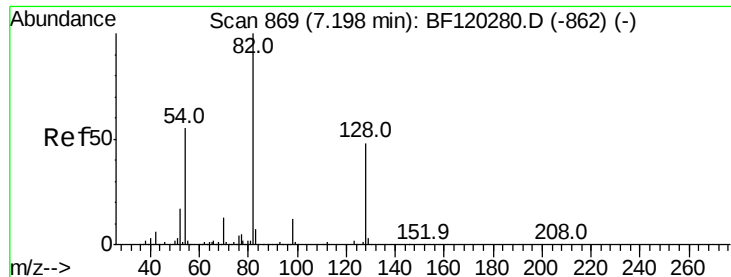
Abundance Ion 105.00 (104.70 to 105.70): E

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: 99.387 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

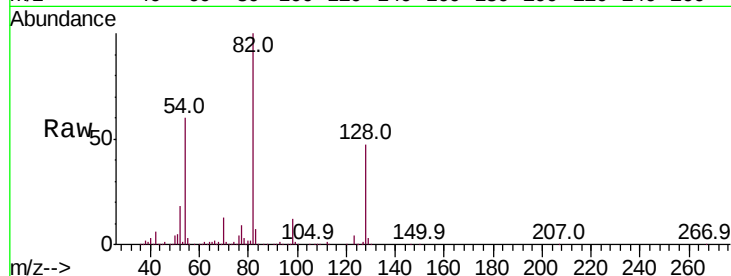
Tot Ion: 82 Resp: 1719331

Ion Ratio Lower Upper

82 100

128 47.0 38.3 57.5

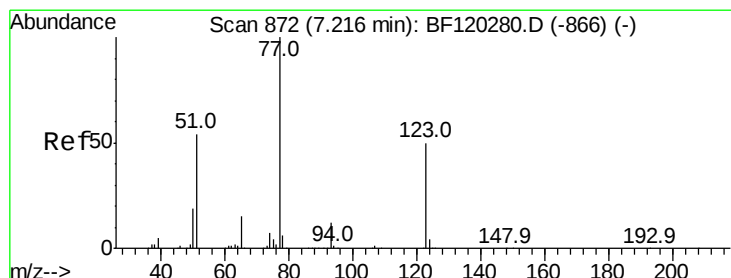
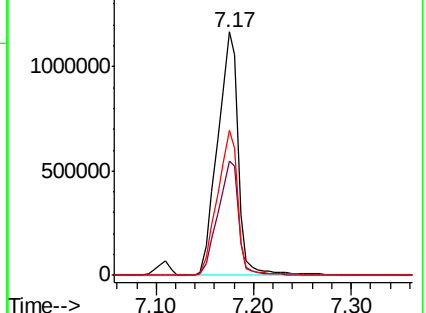
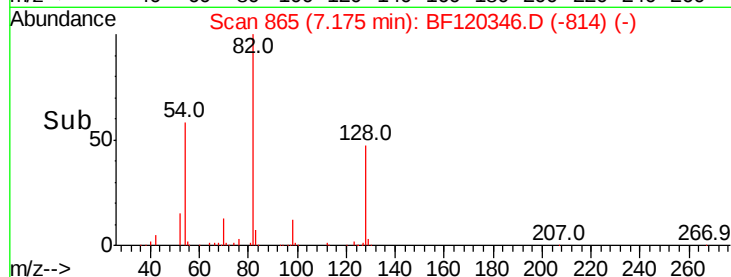
54 59.8 43.9 65.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 46.997 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

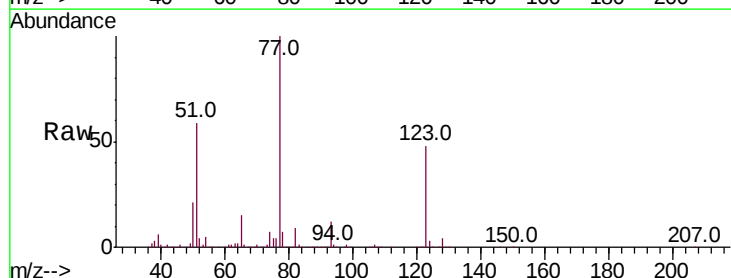
Tgt Ion: 77 Resp: 874986

Ion Ratio Lower Upper

77 100

123 47.6 40.0 60.0

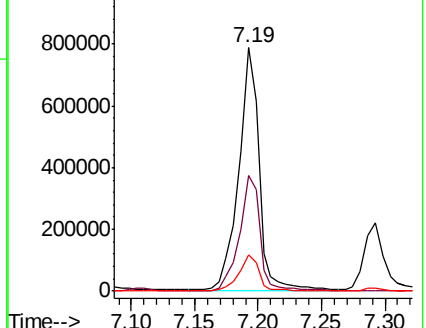
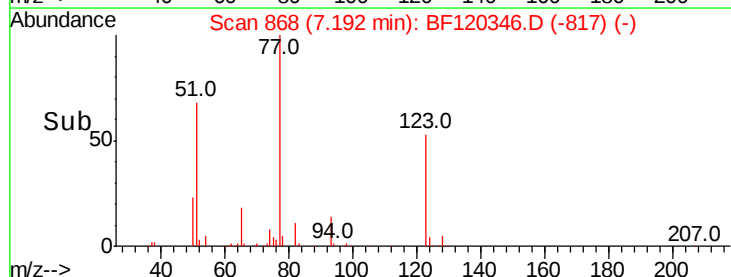
65 15.0 11.7 17.5

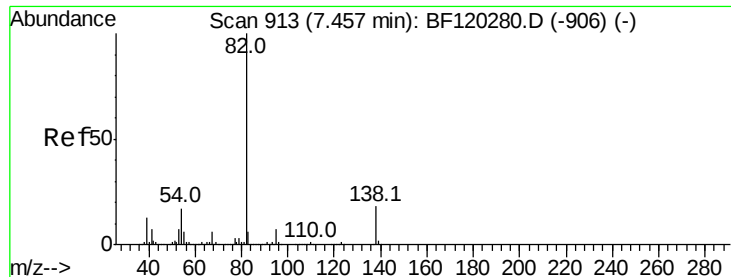


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 44.574 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.01 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

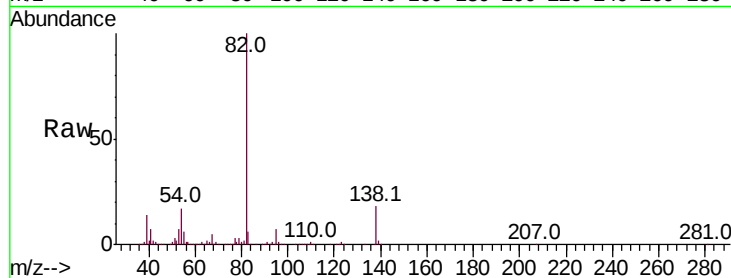
Tot Ion: 82 Resp: 1604430

Ion Ratio Lower Upper

82 100

95 6.6 5.4 8.0

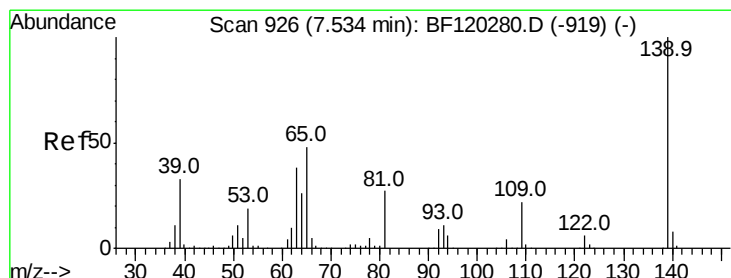
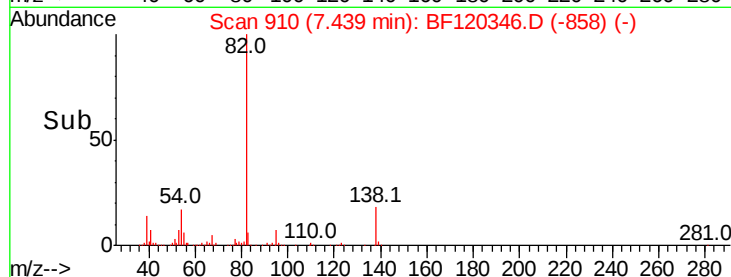
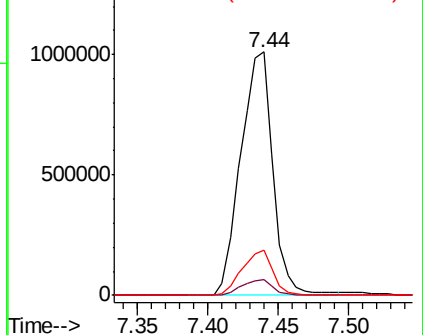
138 18.4 14.7 22.1



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: 47.367 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

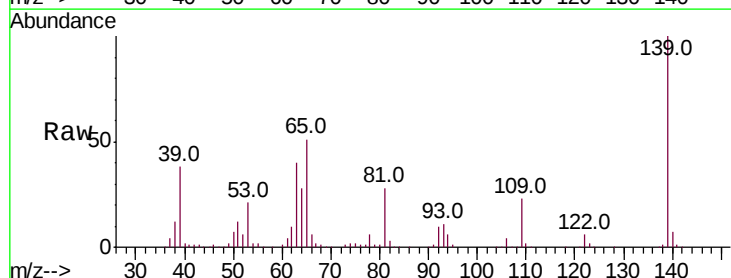
Tgt Ion: 139 Resp: 461220

Ion Ratio Lower Upper

139 100

109 22.9 17.7 26.5

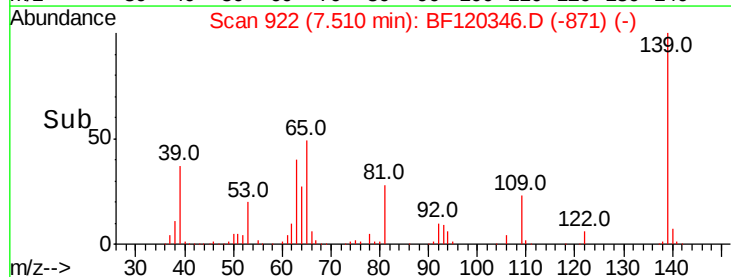
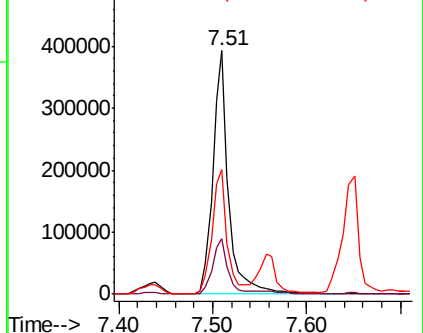
65 51.2 38.3 57.5

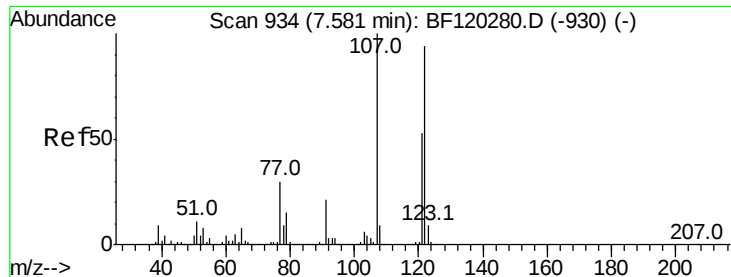


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

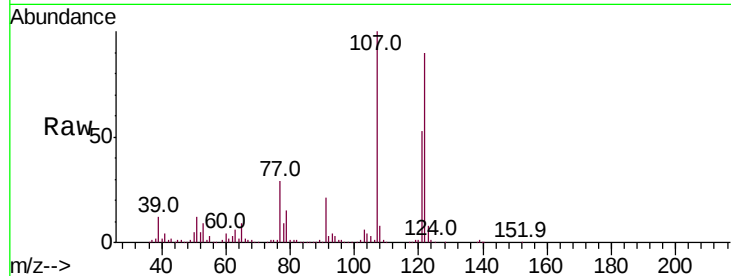




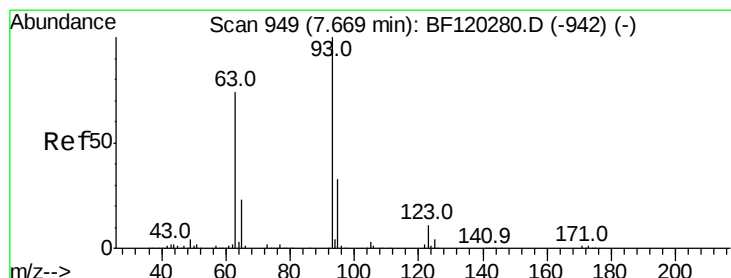
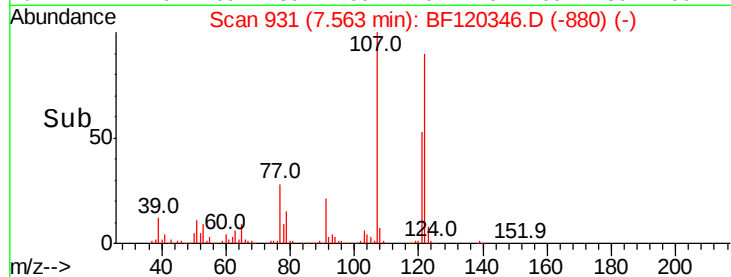
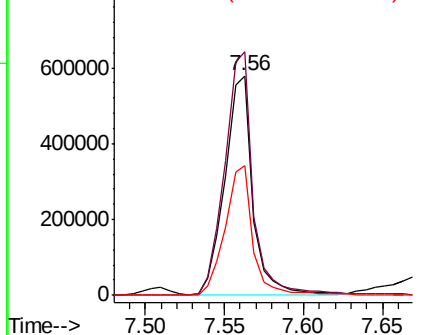
#27
2,4-Dimethylphenol
Concen: 50.026 ng
RT: 7.56 min Scan# 931
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Instrument :
BNA_F
ClientSampleId :
PB128946BS

Tot Ion:122 Resp: 708575
Ion Ratio Lower Upper
122 100
107 110.8 85.0 127.6
121 59.1 45.1 67.7

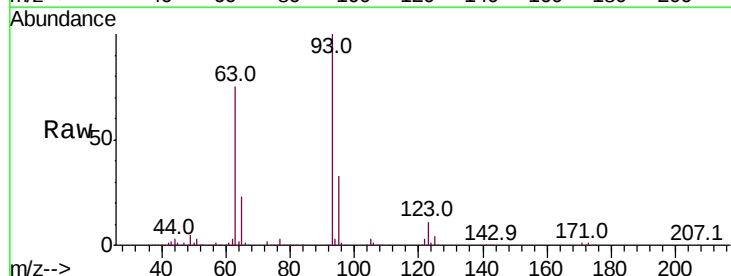


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

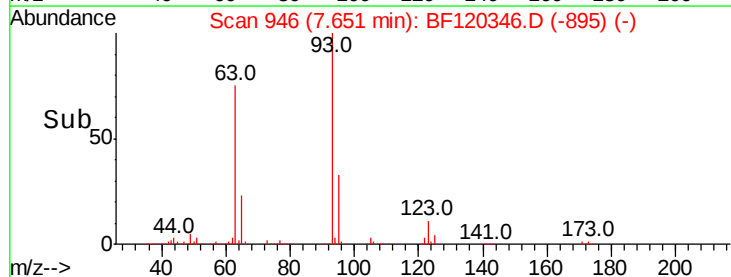
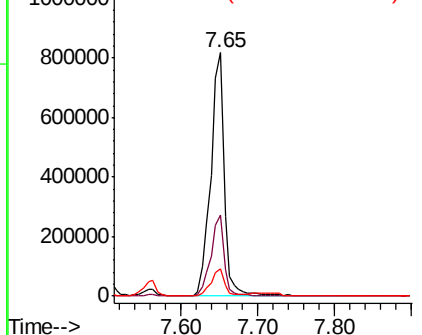


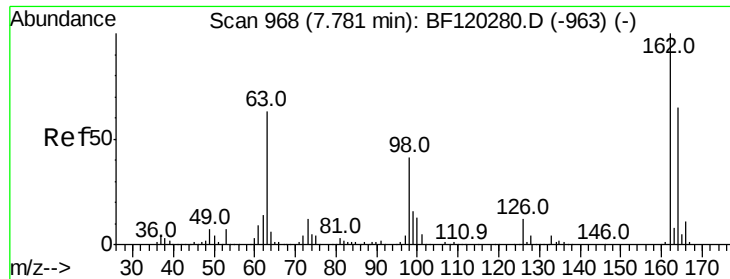
#28
bis(2-Chloroethoxy)methane
Concen: 43.511 ng
RT: 7.65 min Scan# 946
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion: 93 Resp: 984395
Ion Ratio Lower Upper
93 100
95 33.3 26.8 40.2
123 11.3 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

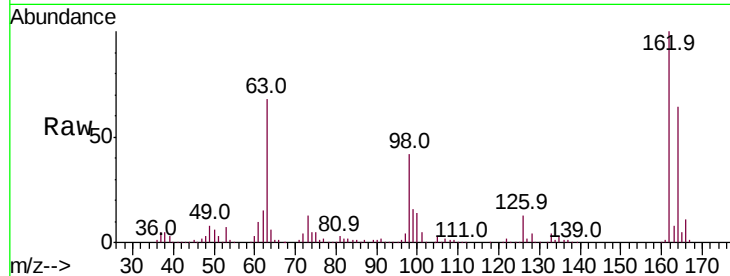




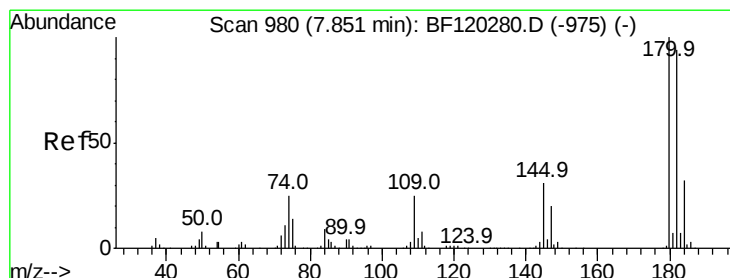
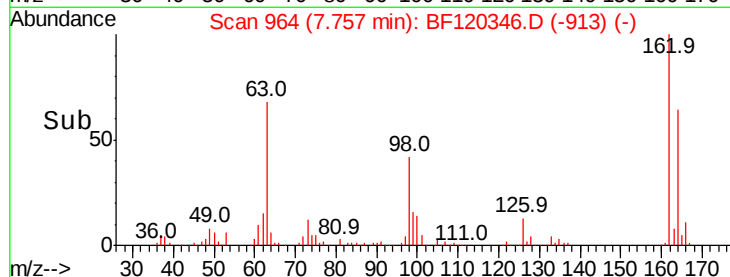
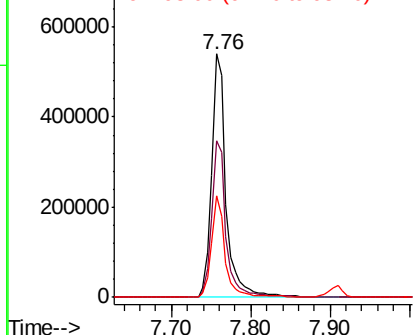
#29
 2,4-Dichlorophenol
 Concen: 46.873 ng
 RT: 7.76 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

Instrument :
 BNA_F
 ClientSampleId :
 PB128946BS

Tot Ion:162 Resp: 681878
 Ion Ratio Lower Upper
 162 100
 164 64.2 44.9 84.9
 98 41.7 20.7 60.7

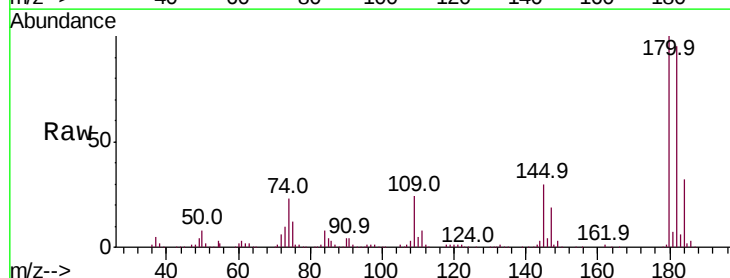


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

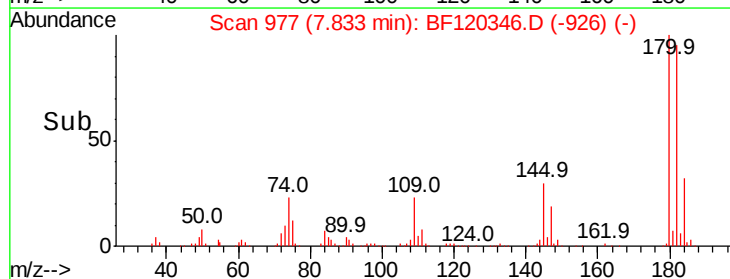
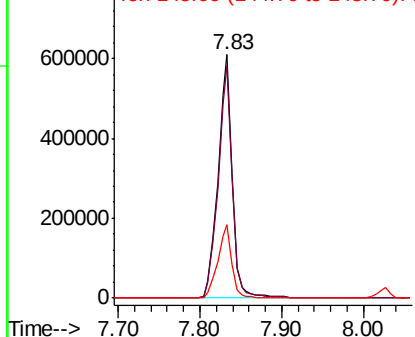


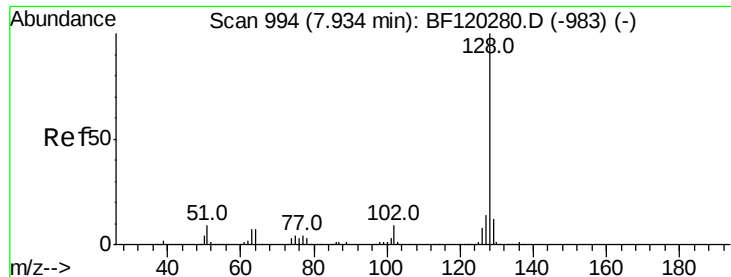
#30
 1,2,4-Trichlorobenzene
 Concen: 45.948 ng
 RT: 7.83 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

Tgt Ion:180 Resp: 740704
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.3 112.9
 145 30.2 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

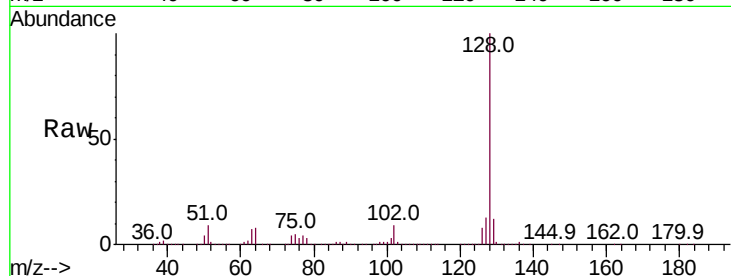




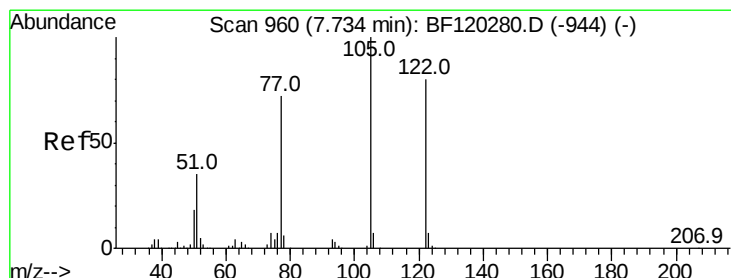
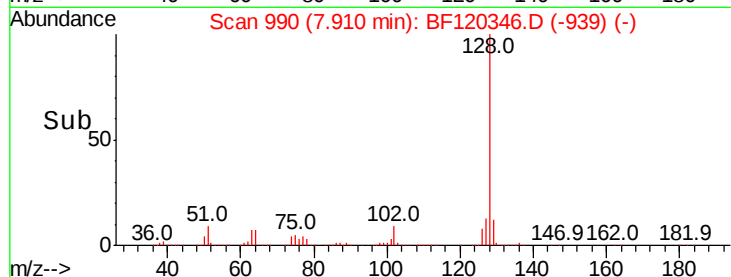
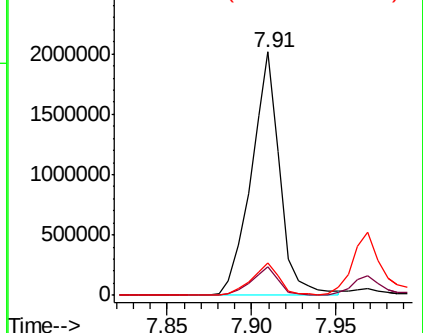
#31
Naphthalene
Concen: 47.268 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Instrument :
BNA_F
ClientSampleId :
PB128946BS

Tot Ion:128 Resp: 2362829
Ion Ratio Lower Upper
128 100
129 11.7 9.3 13.9
127 13.4 11.2 16.8

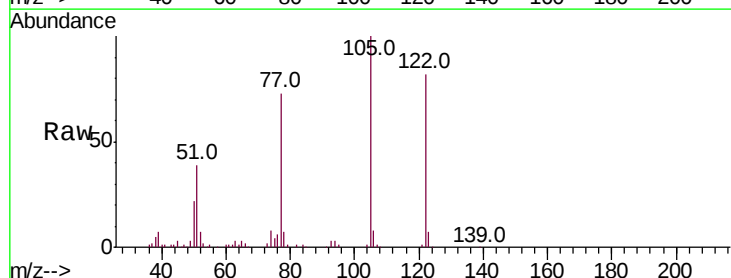


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

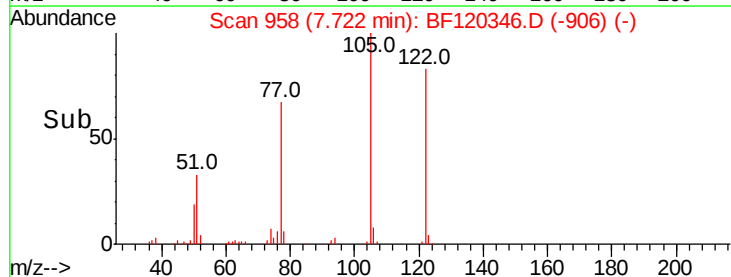
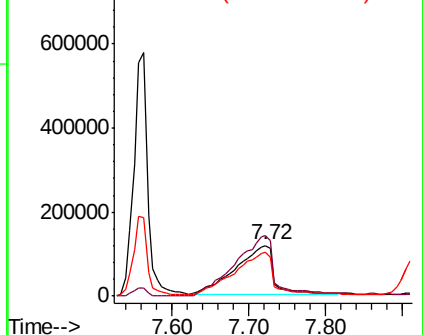


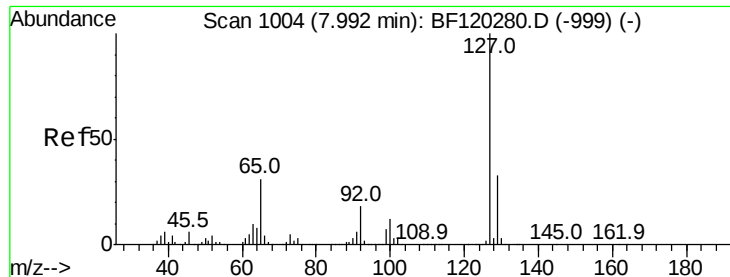
#32
Benzoic acid
Concen: 43.909 ng
RT: 7.72 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion:122 Resp: 407663
Ion Ratio Lower Upper
122 100
105 121.3 98.1 138.1
77 88.2 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

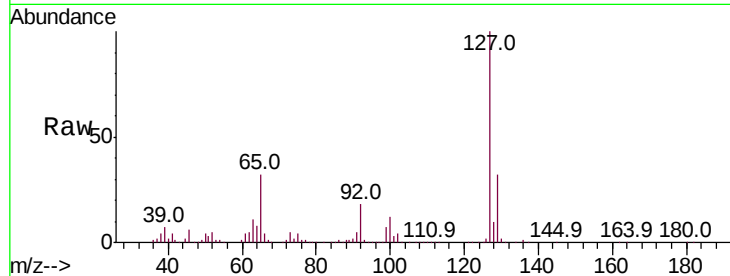




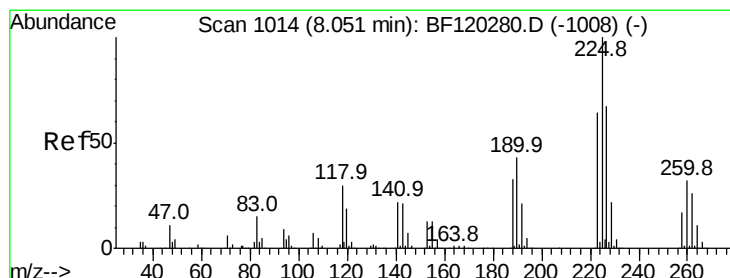
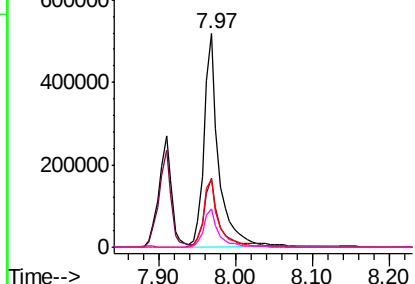
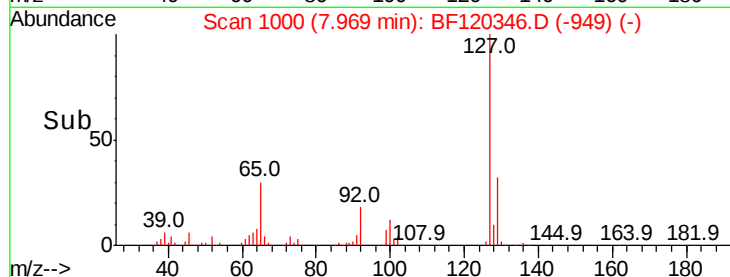
#33
4-Chloroaniline
Concen: 30.184 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Instrument :
BNA_F
ClientSampleId :
PB128946BS

Tot Ion:	127	Resp:	687621
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.4	39.6
65	31.8	24.8	37.2
92	17.9	14.5	21.7

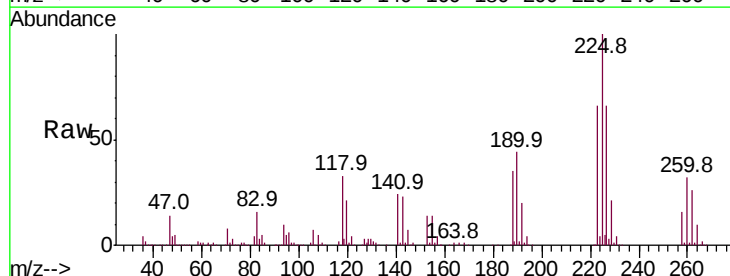


Abundance Ion 127.00 (126.70 to 127.70): E
800000
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

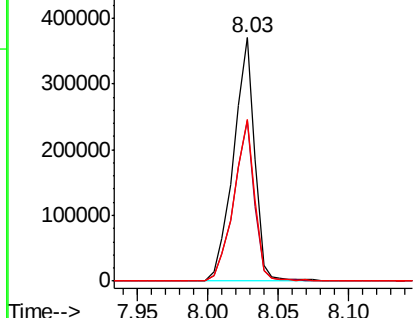
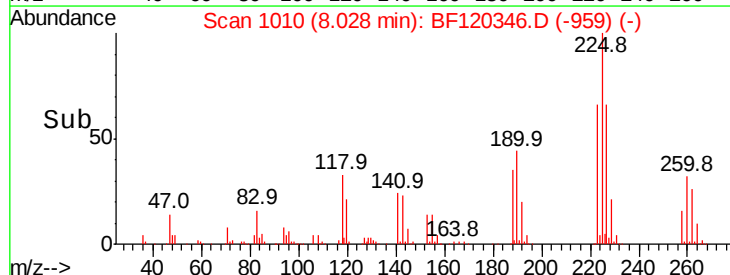


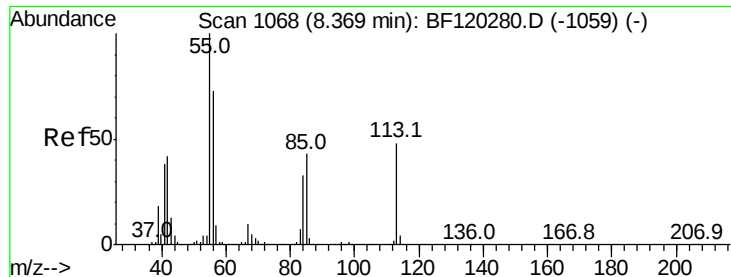
#34
Hexachlorobutadiene
Concen: 41.640 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion:	225	Resp:	387987
Ion	Ratio	Lower	Upper
225	100		
223	66.1	51.4	77.0
227	66.5	54.0	81.0



Abundance Ion 225.00 (224.70 to 225.70): E
500000
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 22.522 ng

RT: 8.36 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

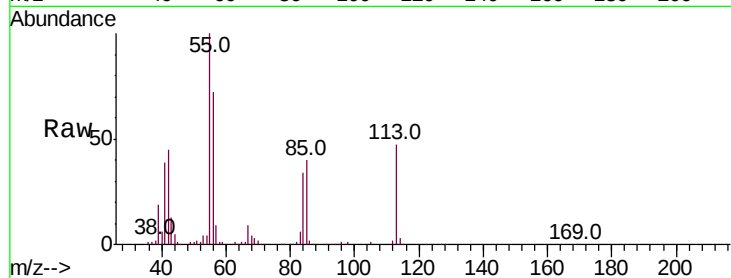
Tot Ion:113 Resp: 107187

Ion Ratio Lower Upper

113 100

55 210.7 190.4 230.4

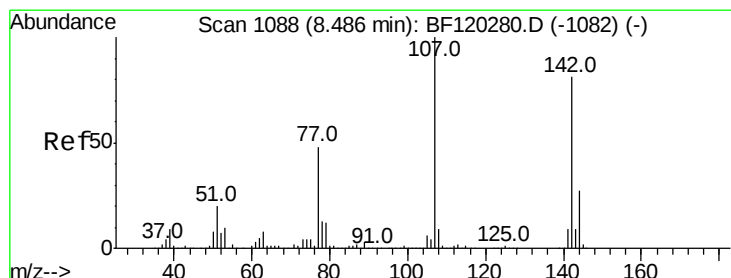
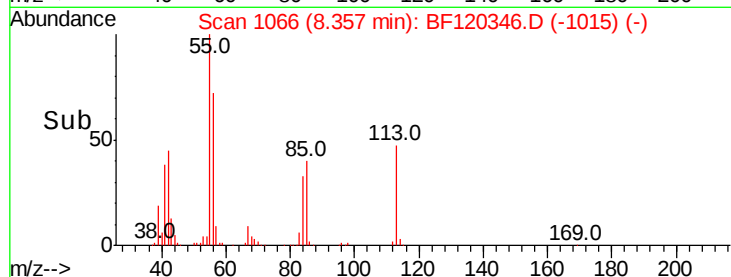
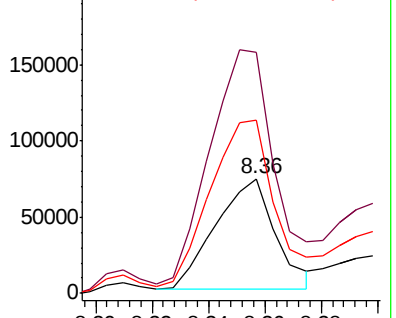
56 151.0 132.7 172.7



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: 45.704 ng

RT: 8.47 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

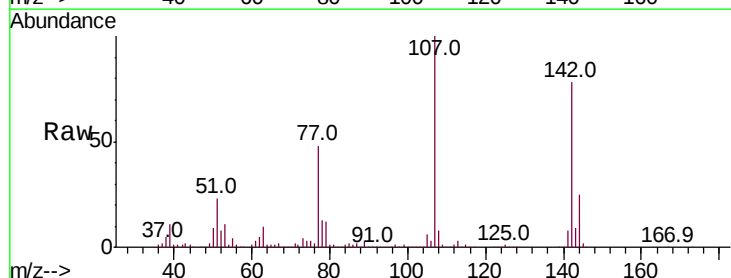
Tgt Ion:107 Resp: 719242

Ion Ratio Lower Upper

107 100

144 25.1 21.4 32.2

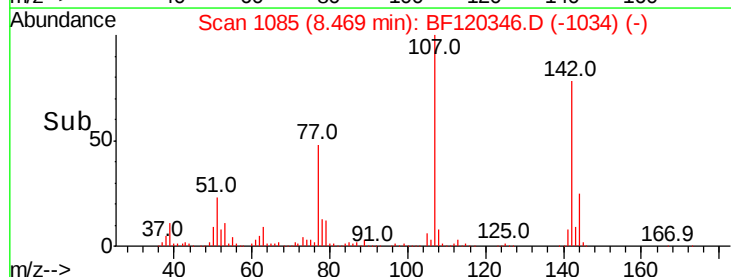
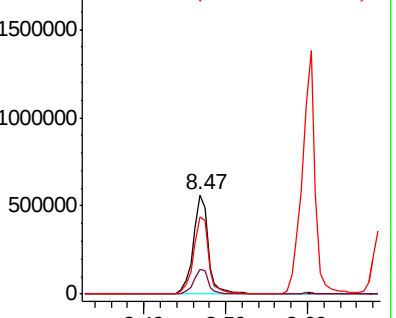
142 78.1 65.1 97.7

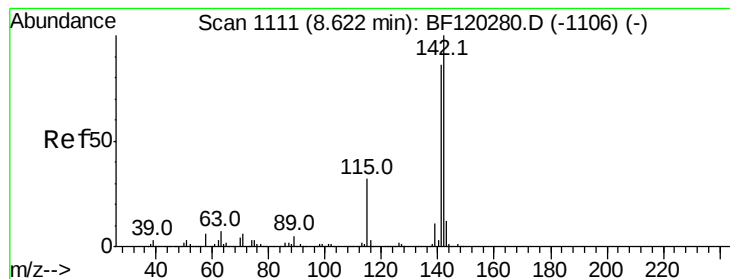


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 44.586 ng

RT: 8.60 min Scan# 1108

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

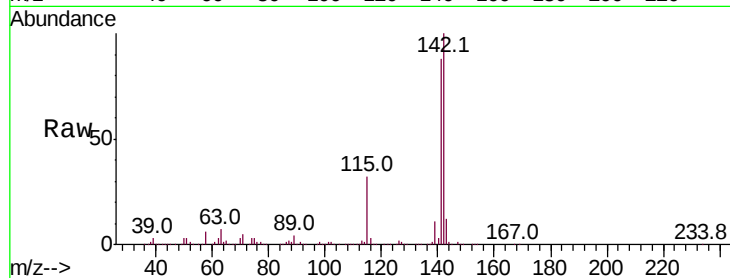
Tot Ion:142 Resp: 1525202

Ion Ratio Lower Upper

142 100

141 87.8 68.8 103.2

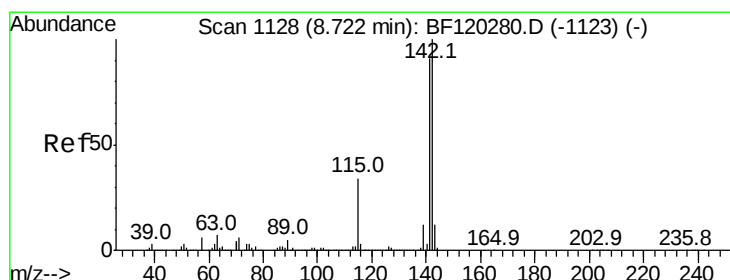
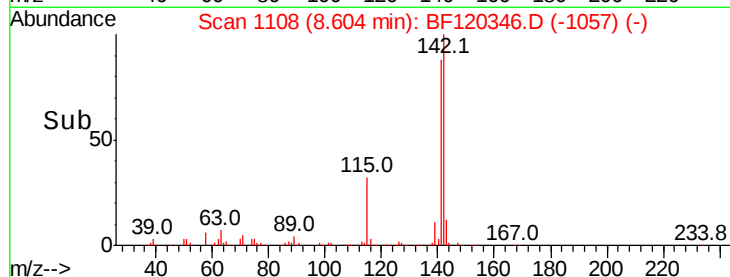
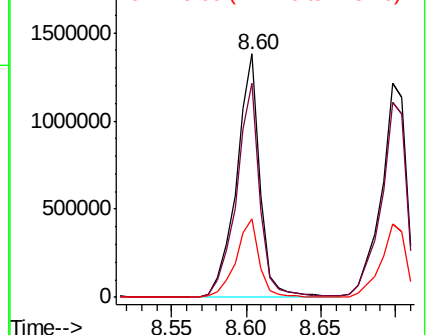
115 32.0 25.7 38.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 44.646 ng

RT: 8.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

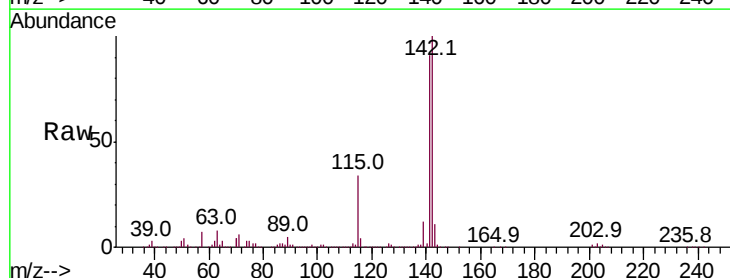
Tgt Ion:142 Resp: 1481260

Ion Ratio Lower Upper

142 100

141 90.9 73.0 109.6

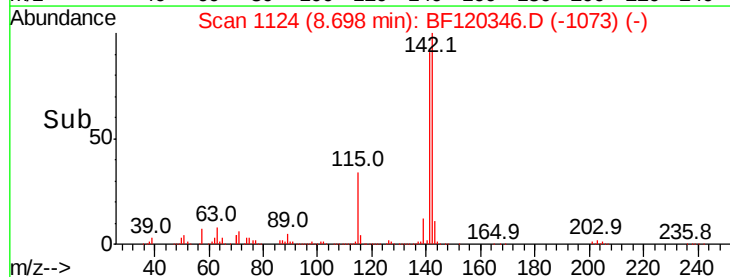
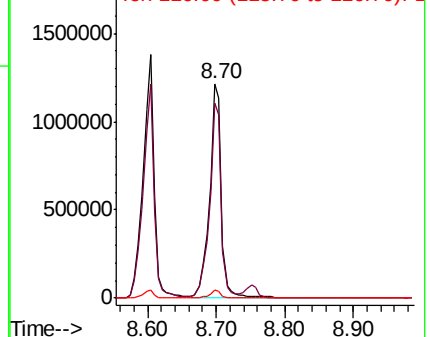
116 3.8 2.7 4.1

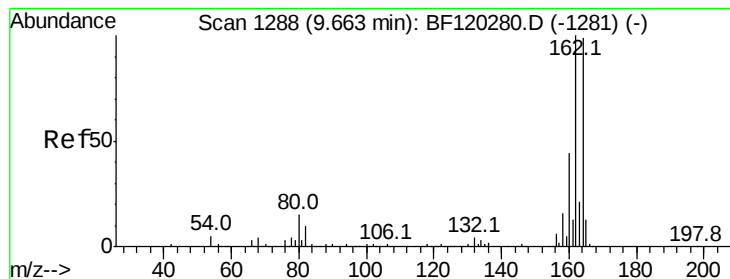


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

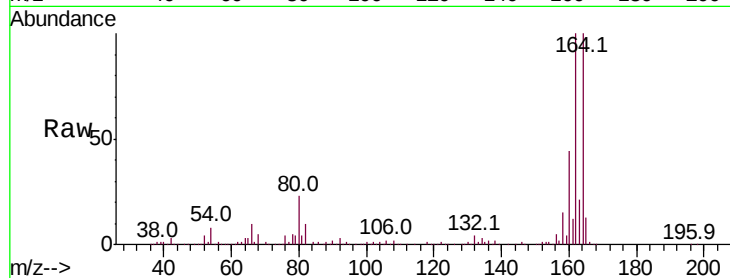
Tot Ion:164 Resp: 567683

Ion Ratio Lower Upper

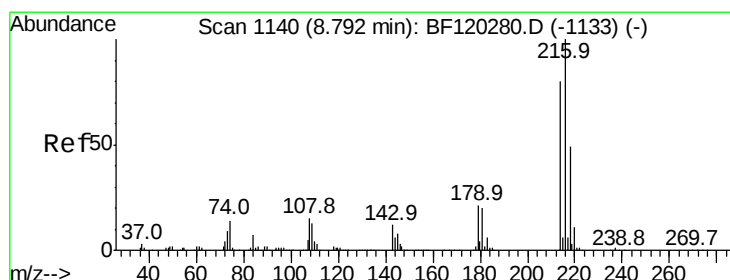
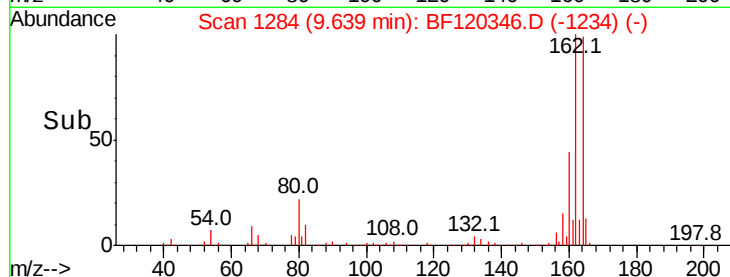
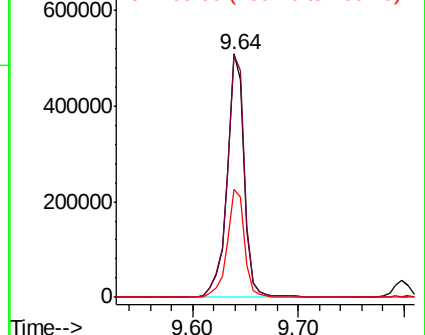
164 100

162 99.6 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: 48.387 ng

RT: 8.77 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Tgt Ion:216 Resp: 692630

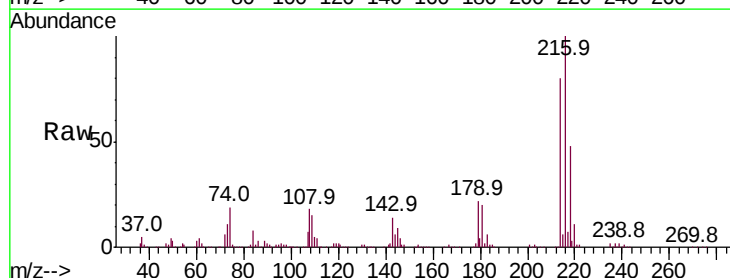
Ion Ratio Lower Upper

216 100

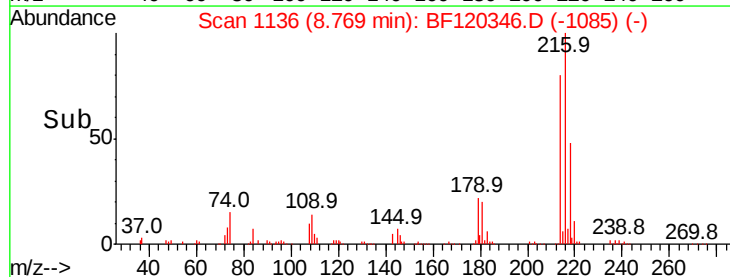
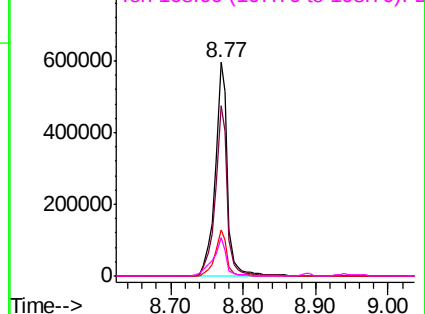
214 78.8 64.0 96.0

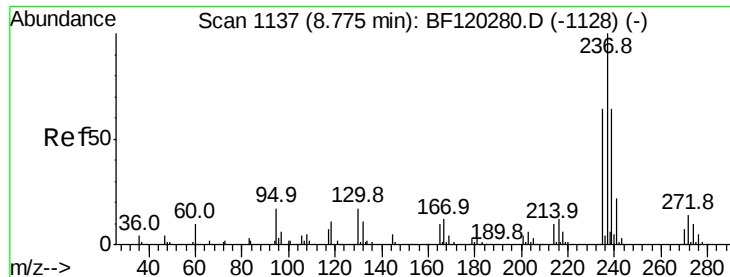
179 20.7 16.9 25.3

108 18.7 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: 100.802 ng

RT: 8.75 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

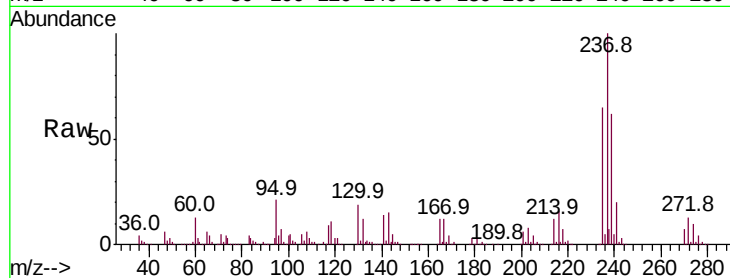
Tot Ion:237 Resp: 606307

Ion Ratio Lower Upper

237 100

235 64.6 43.8 83.8

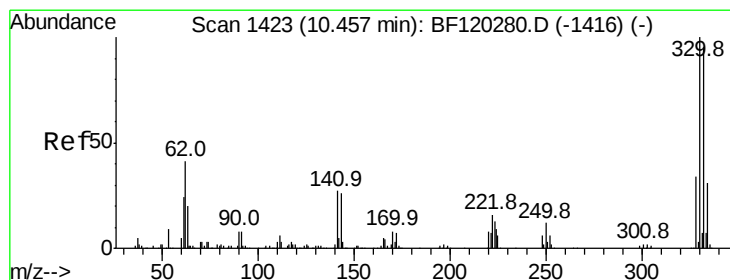
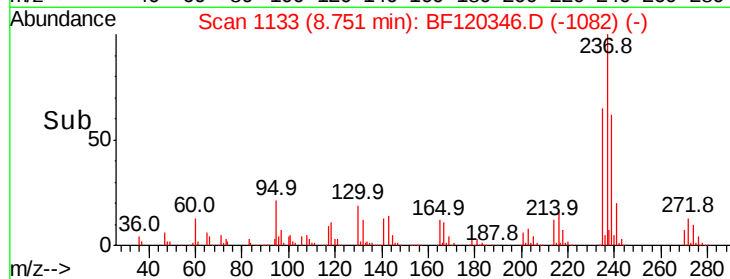
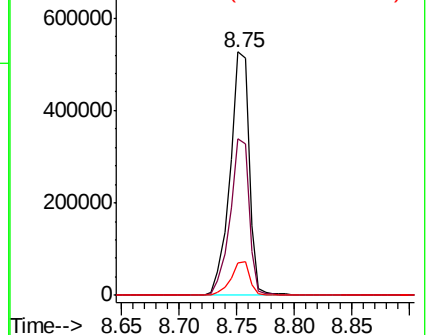
272 13.1 0.0 33.9



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: 140.421 ng

RT: 10.44 min Scan# 1420

Delta R.T. 0.01 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

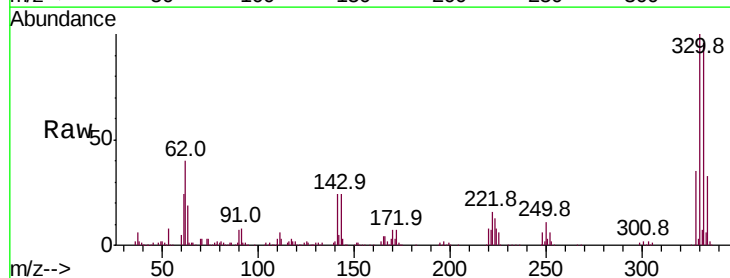
Tgt Ion:330 Resp: 649949

Ion Ratio Lower Upper

330 100

332 96.6 76.5 114.7

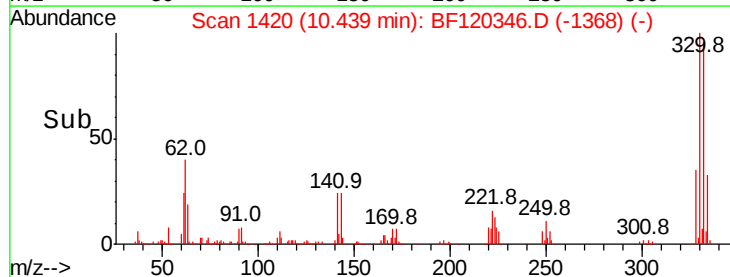
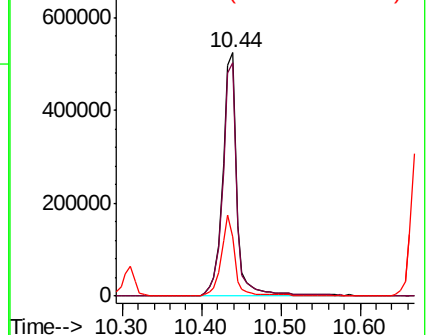
141 31.3 25.4 38.0

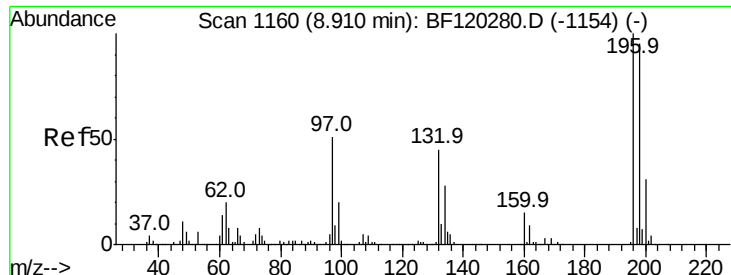


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

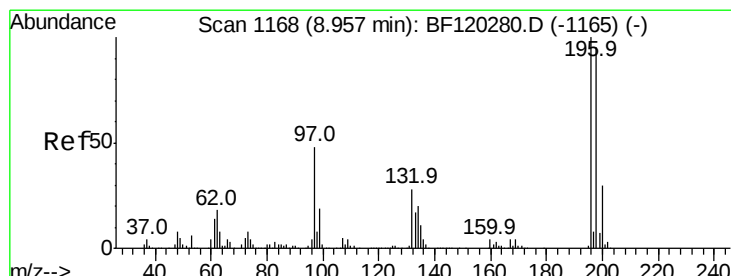
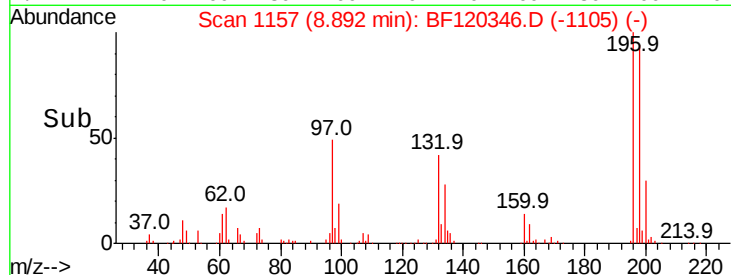
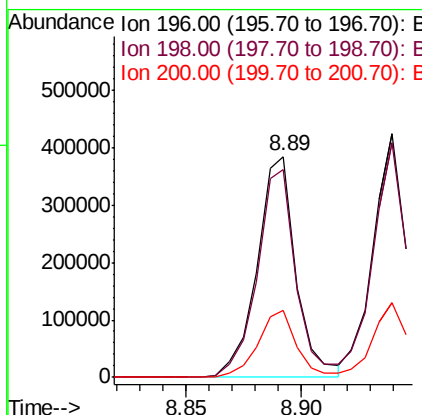
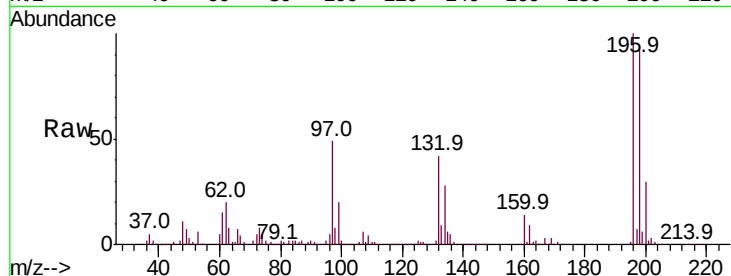




#43
 2,4,6-Trichlorophenol
 Concen: 47.031 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

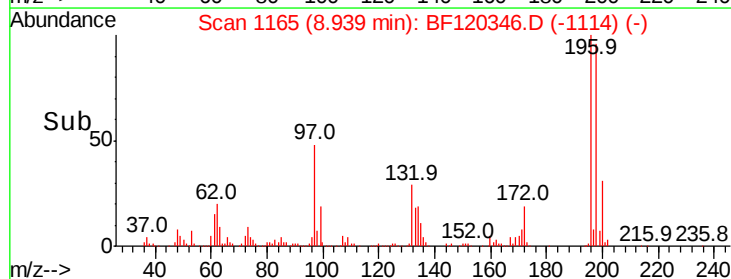
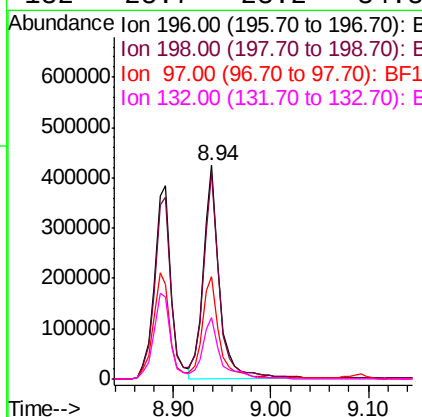
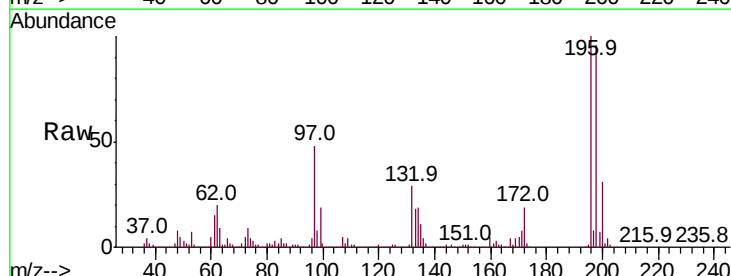
Instrument :
 BNA_F
 ClientSampleId :
 PB128946BS

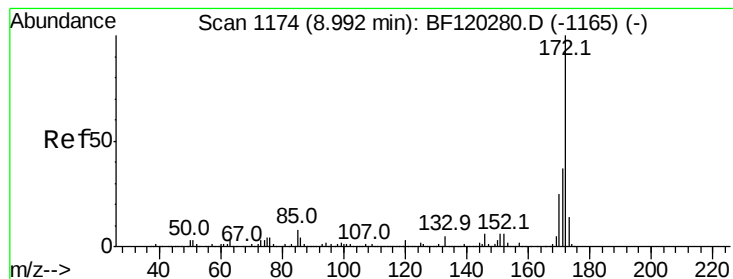
Tot Ion:196 Resp: 451894
 Ion Ratio Lower Upper
 196 100
 198 93.9 76.2 114.4
 200 30.3 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 43.692 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

Tgt Ion:196 Resp: 482118
 Ion Ratio Lower Upper
 196 100
 198 96.4 76.2 114.4
 97 47.7 38.6 57.8
 132 28.7 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 108.103 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

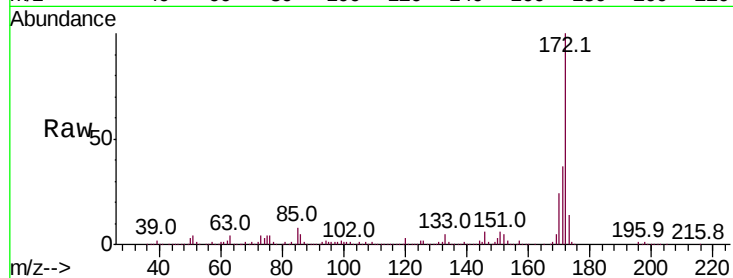
Tot Ion:172 Resp: 2987054

Ion Ratio Lower Upper

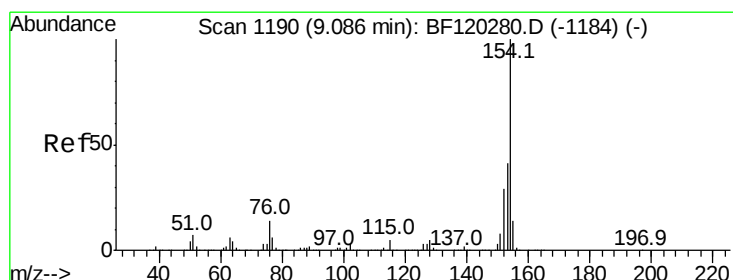
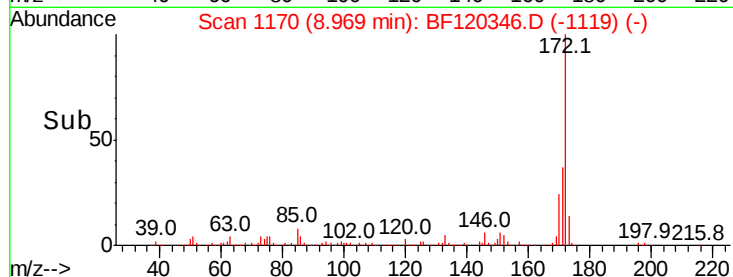
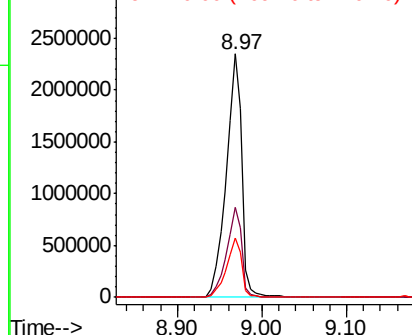
172 100

171 36.8 29.7 44.5

170 24.2 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: 49.151 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

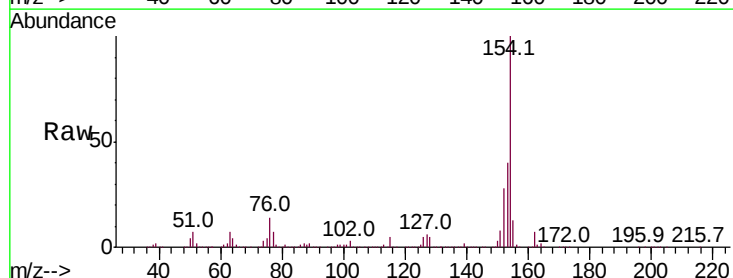
Tgt Ion:154 Resp: 1828193

Ion Ratio Lower Upper

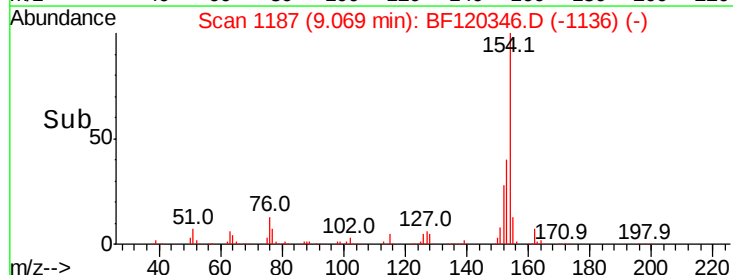
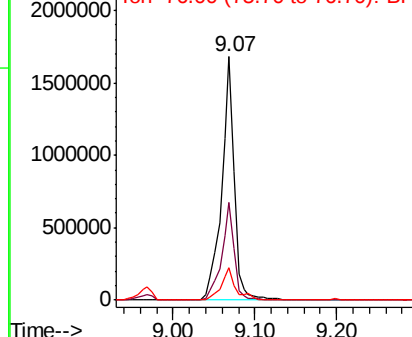
154 100

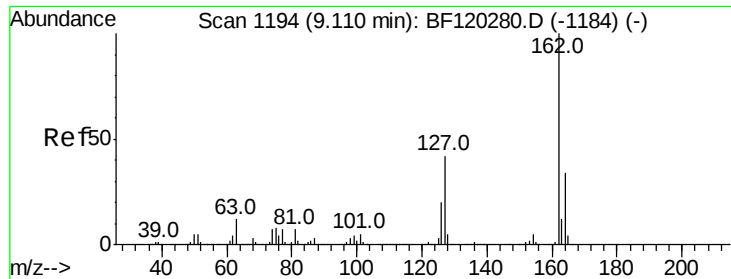
153 40.1 20.8 60.8

76 13.5 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

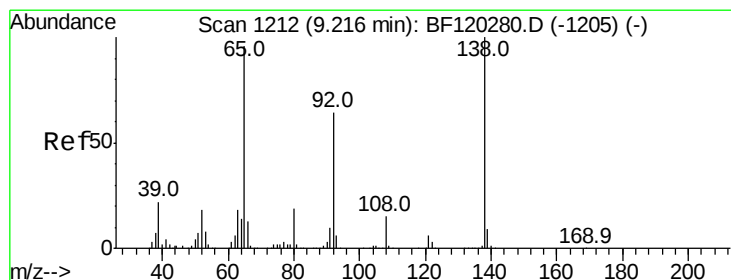
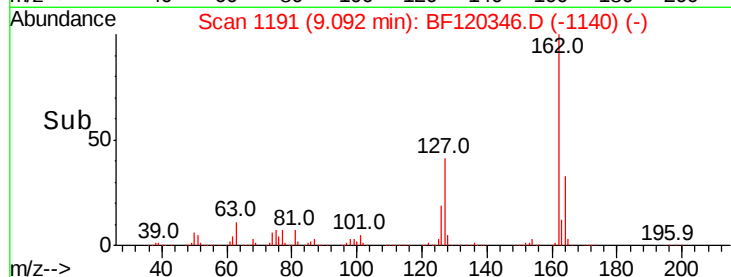
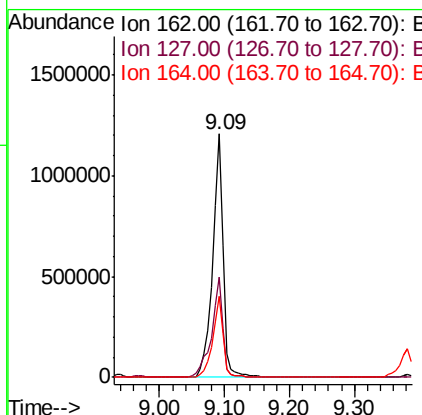
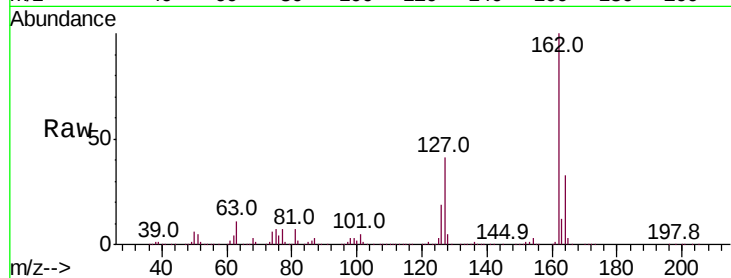




#47
 2-Chloronaphthalene
 Concen: 45.687 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

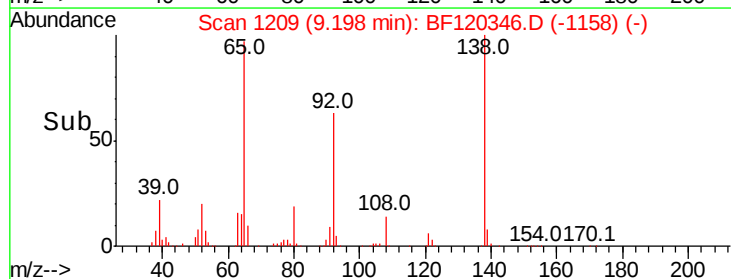
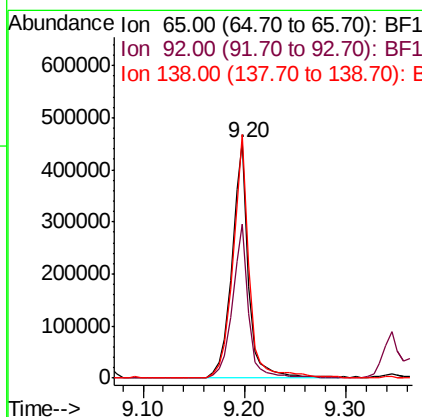
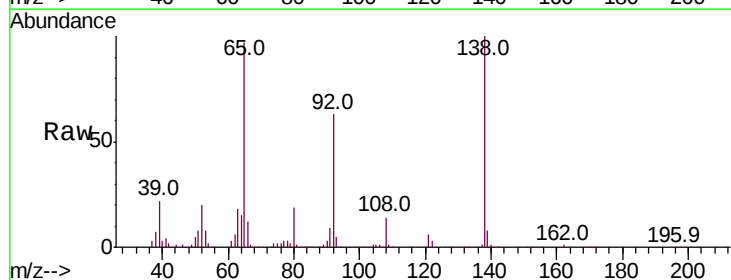
Instrument :
 BNA_F
 ClientSampleId :
 PB128946BS

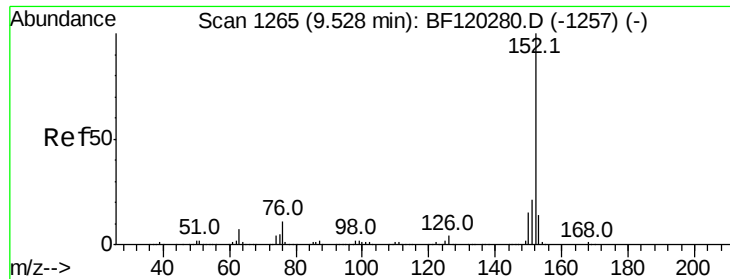
Tot Ion:162 Resp: 1363111
 Ion Ratio Lower Upper
 162 100
 127 41.2 33.4 50.0
 164 33.3 27.0 40.6



#48
 2-Nitroaniline
 Concen: 47.139 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

Tgt Ion: 65 Resp: 513155
 Ion Ratio Lower Upper
 65 100
 92 65.2 52.9 79.3
 138 103.3 83.0 124.4





#49

Acenaphthylene

Concen: 49.128 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

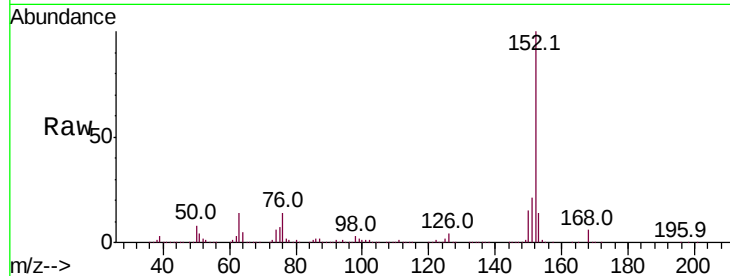
Tot Ion:152 Resp: 2239036

Ion Ratio Lower Upper

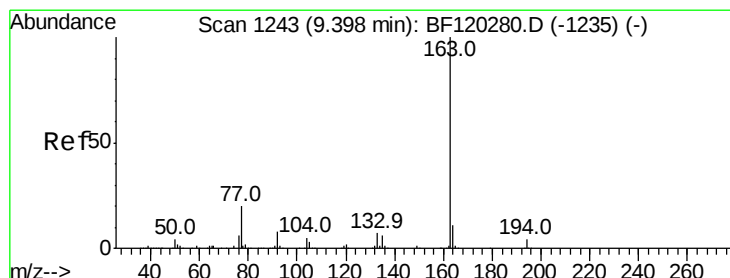
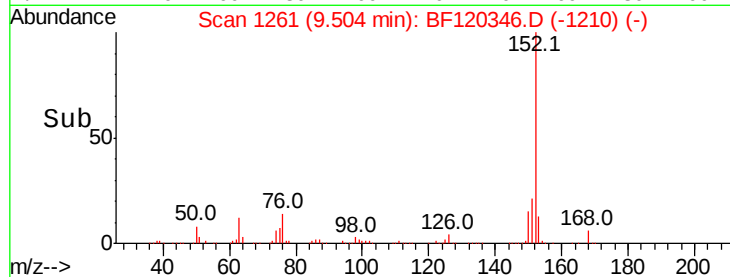
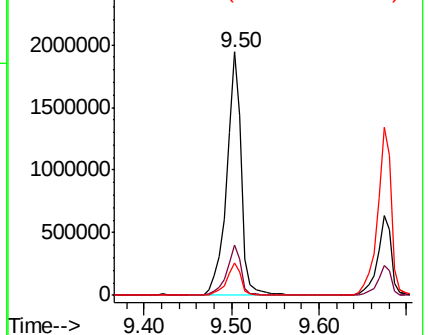
152 100

151 20.6 16.6 25.0

153 13.5 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: 46.042 ng

RT: 9.38 min Scan# 1240

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

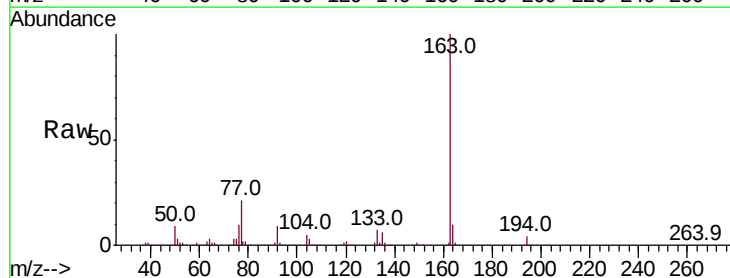
Tgt Ion:163 Resp: 1652267

Ion Ratio Lower Upper

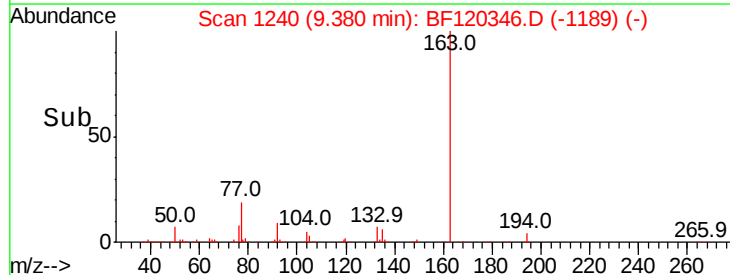
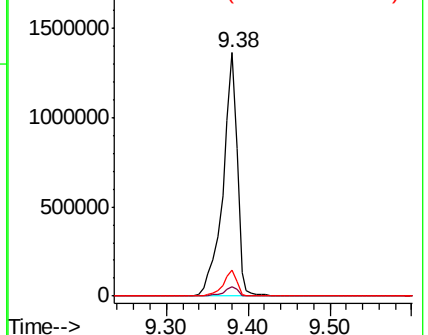
163 100

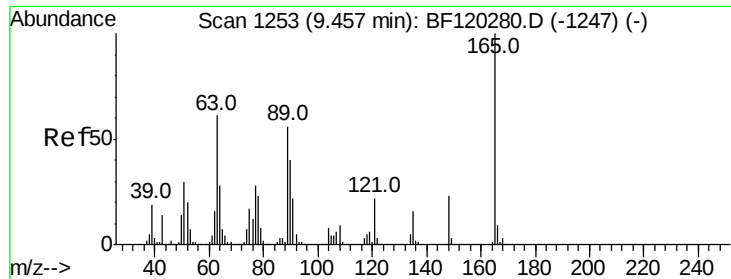
194 4.1 3.1 4.7

164 10.5 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

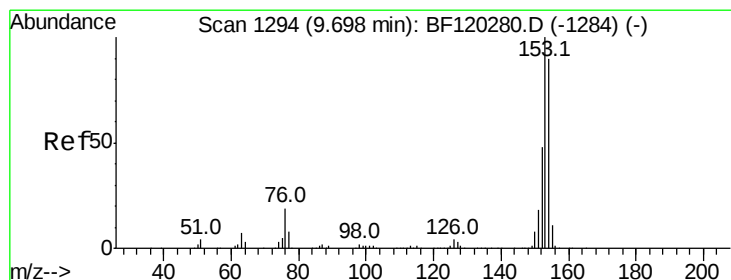
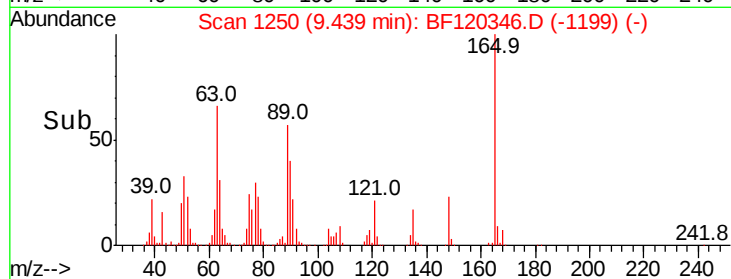
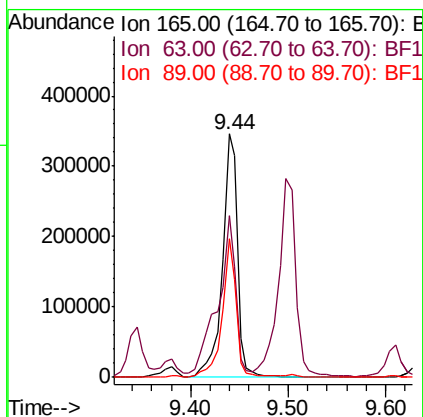
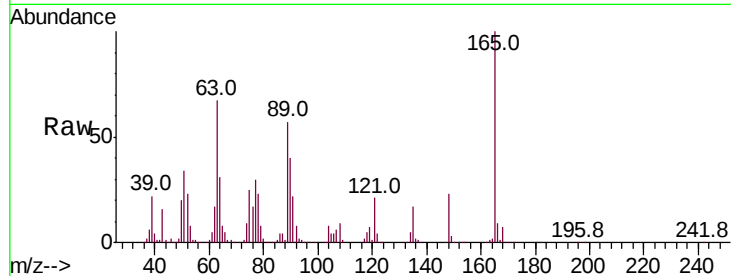




#51
 2,6-Dinitrotoluene
 Concen: 46.546 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

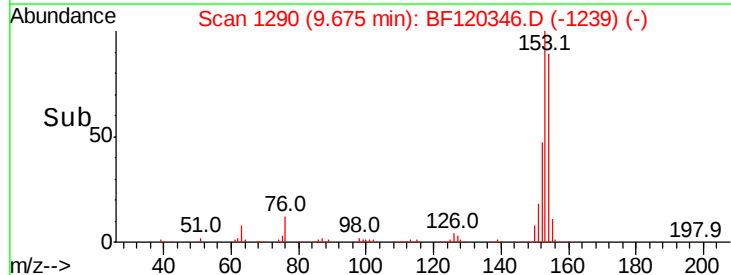
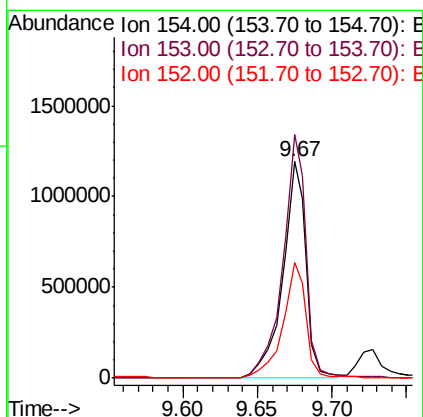
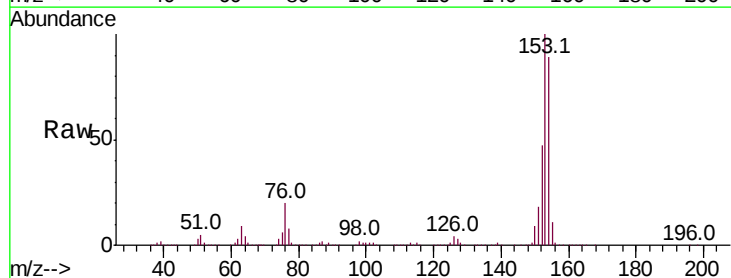
Instrument :
 BNA_F
 ClientSampleId :
 PB128946BS

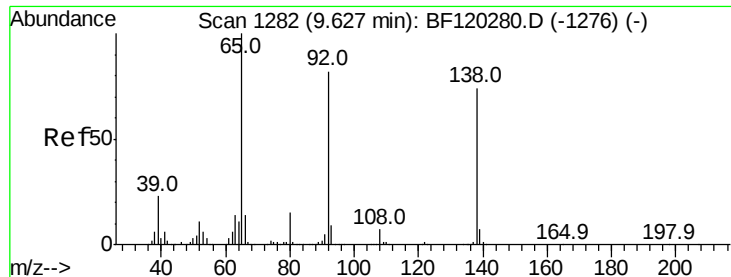
Tot Ion:165 Resp: 372804
 Ion Ratio Lower Upper
 165 100
 63 66.7 50.2 75.2
 89 57.2 44.6 66.8



#52
 Acenaphthene
 Concen: 47.648 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

Tgt Ion:154 Resp: 1301668
 Ion Ratio Lower Upper
 154 100
 153 112.5 89.0 133.4
 152 53.4 42.6 64.0

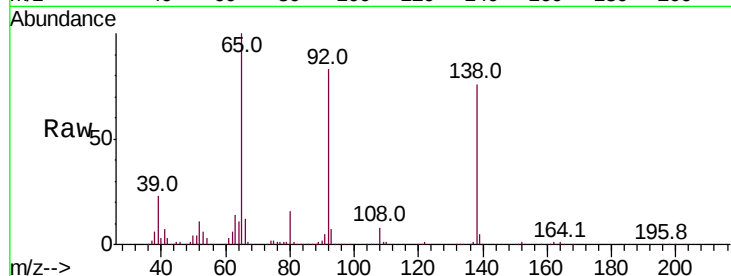




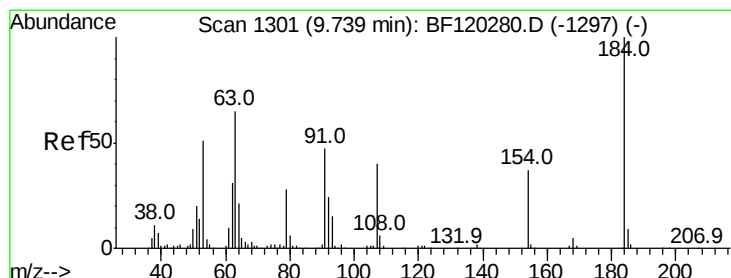
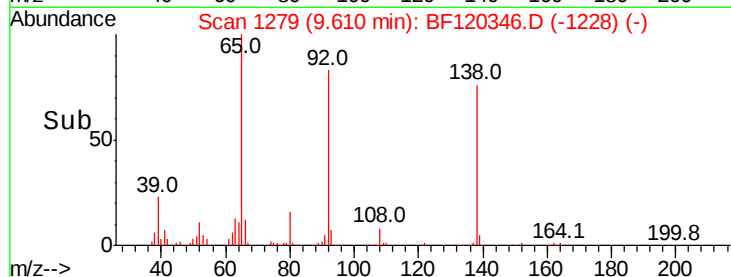
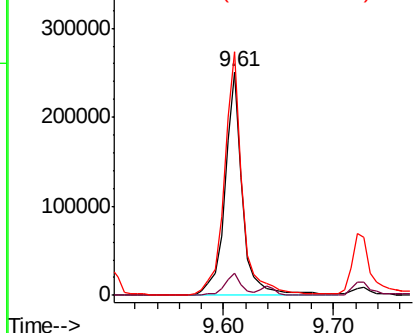
#53
3-Nitroaniline
Concen: 29.111 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Instrument :
BNA_F
ClientSampleId :
PB128946BS

Tot Ion:138 Resp: 278049
Ion Ratio Lower Upper
138 100
108 10.0 8.2 12.2
92 109.1 89.6 134.4

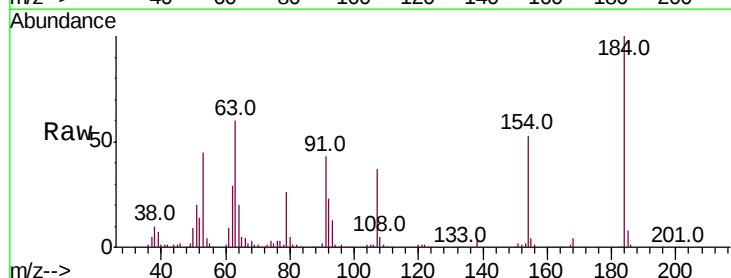


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

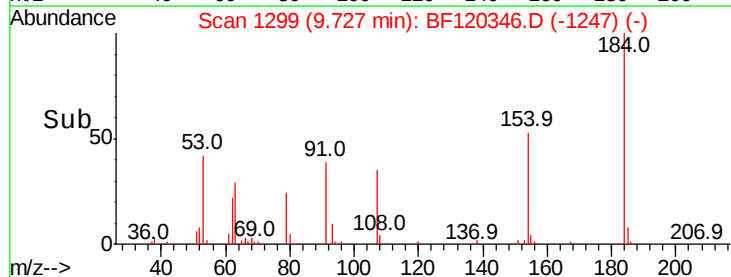
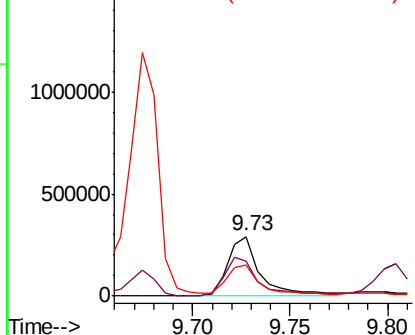


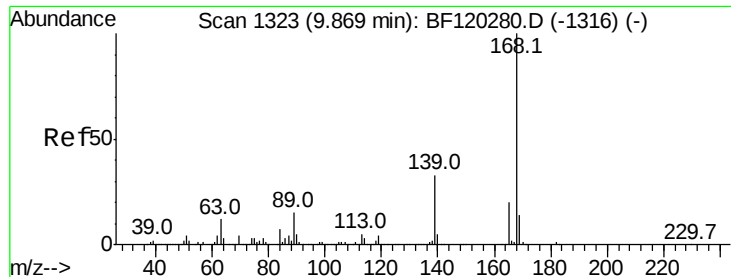
#54
2,4-Dinitrophenol
Concen: 91.691 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion:184 Resp: 346652
Ion Ratio Lower Upper
184 100
63 59.8 53.6 80.4
154 53.3 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

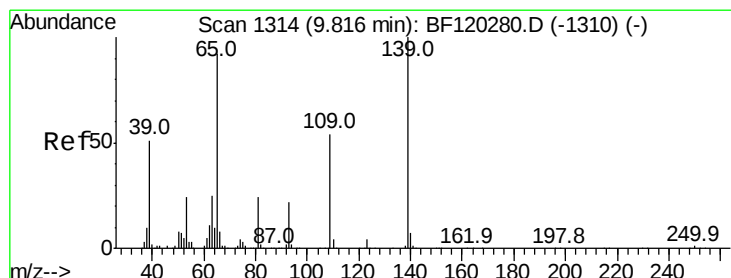
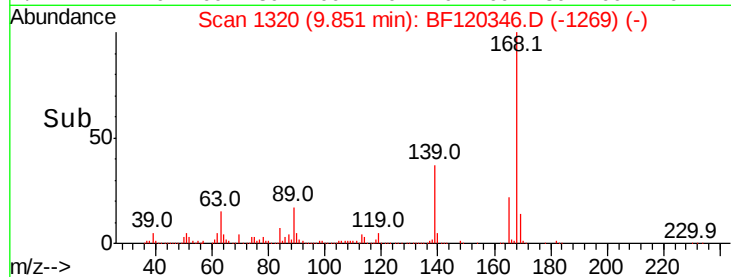
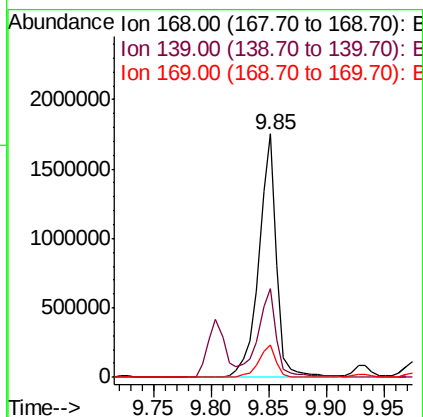
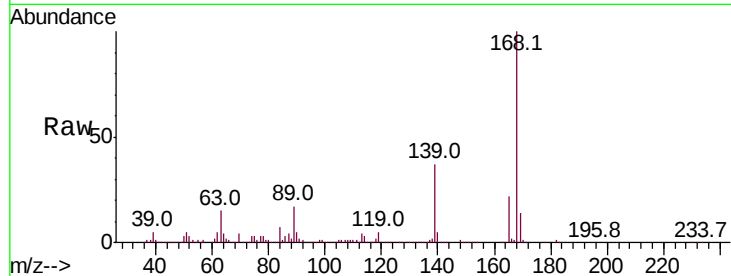




#55
Dibenzenofuran
Concen: 47.603 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

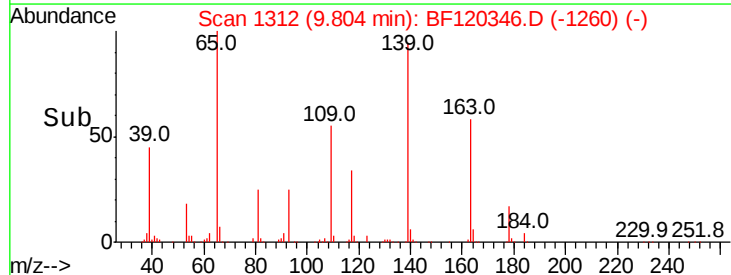
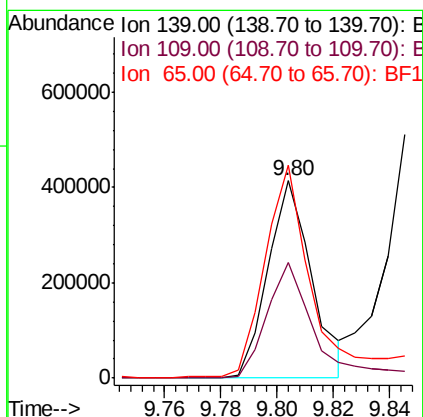
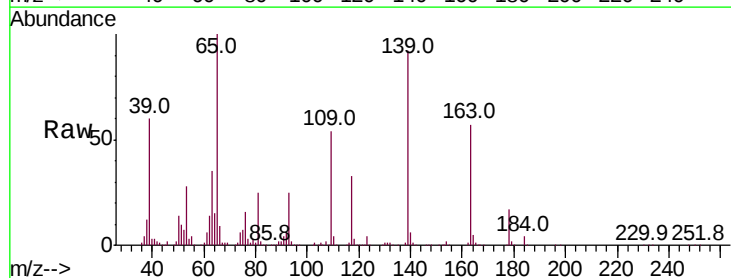
Instrument :
BNA_F
ClientSampleId :
PB128946BS

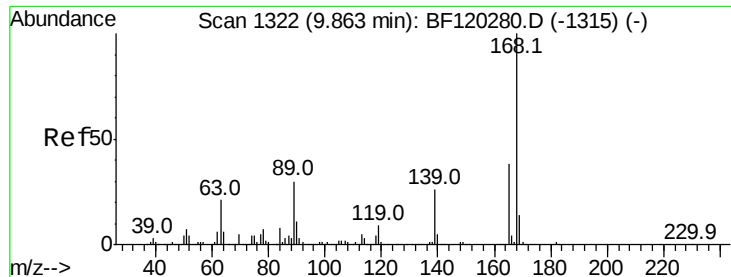
Tot Ion:168 Resp: 1872736
Ion Ratio Lower Upper
168 100
139 36.5 29.8 44.6
169 13.6 11.0 16.6



#56
4-Nitrophenol
Concen: 86.580 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion:139 Resp: 444338
Ion Ratio Lower Upper
139 100
109 58.7 34.6 74.6
65 108.4 73.3 113.3

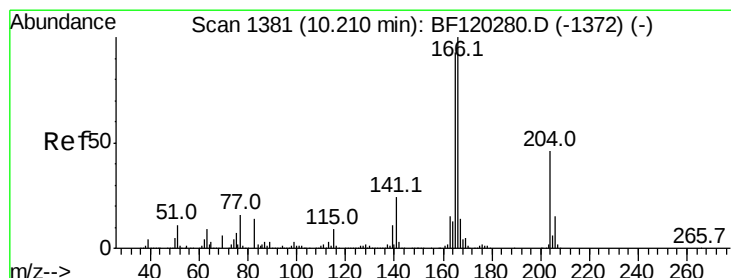
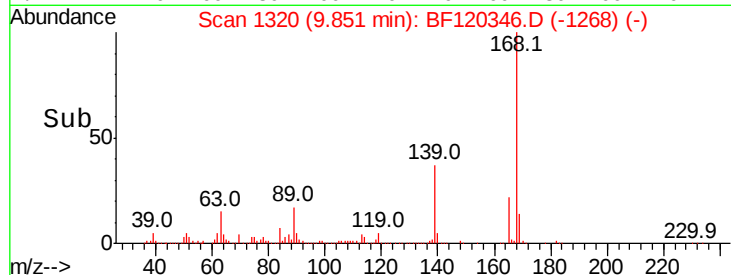
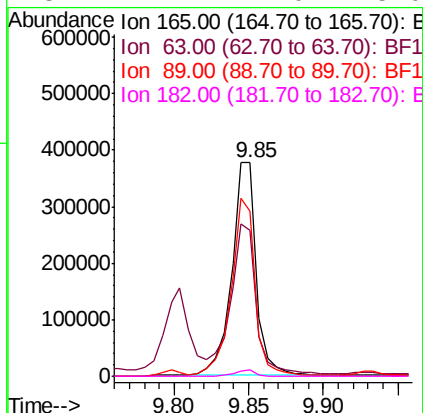
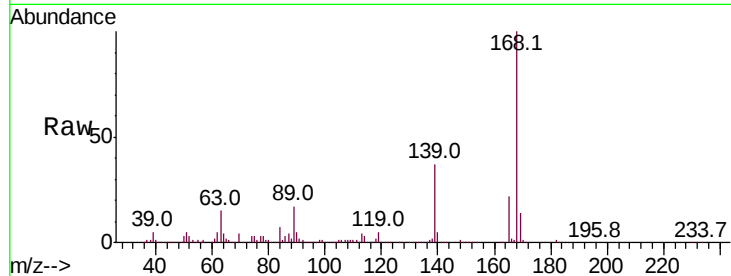




#57
 2,4-Dinitrotoluene
 Concen: 46.510 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

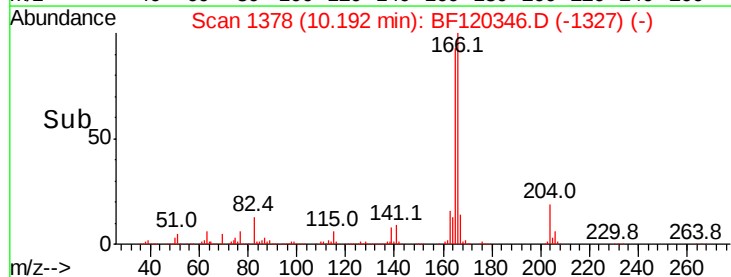
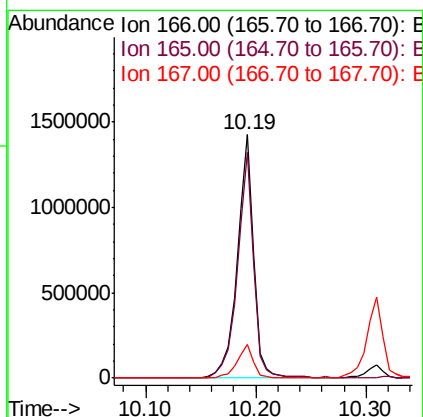
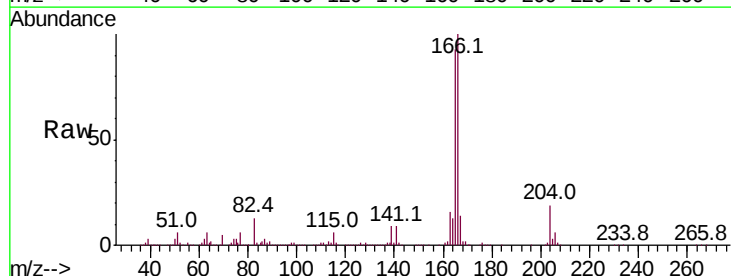
Instrument :
 BNA_F
 ClientSampleId :
 PB128946BS

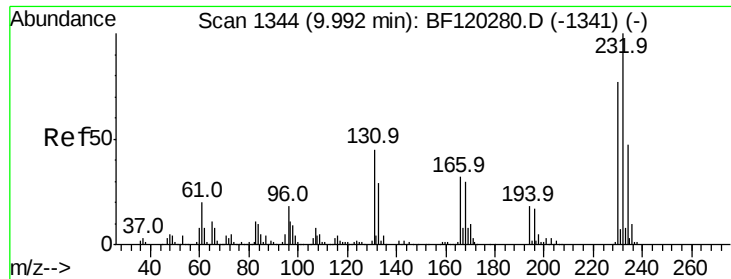
Tot Ion	Ratio	Lower	Upper
165	100		
63	68.2	51.8	77.8
89	77.4	64.2	96.4
182	2.7	2.0	3.0



#58
 Fluorene
 Concen: 49.599 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.9	74.7	112.1
167	13.7	11.4	17.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 48.216 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

Tot Ion:232 Resp: 400396

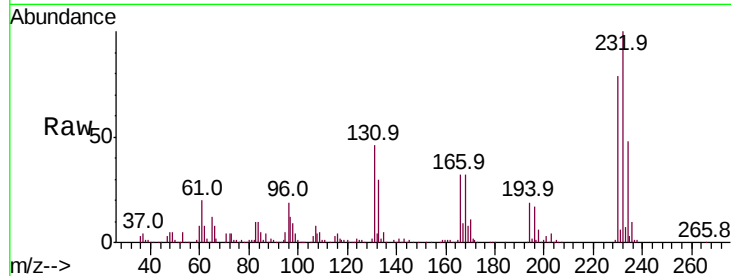
Ion Ratio Lower Upper

232 100

131 42.6 34.1 51.1

130 2.1 1.7 2.5

166 29.3 23.3 34.9

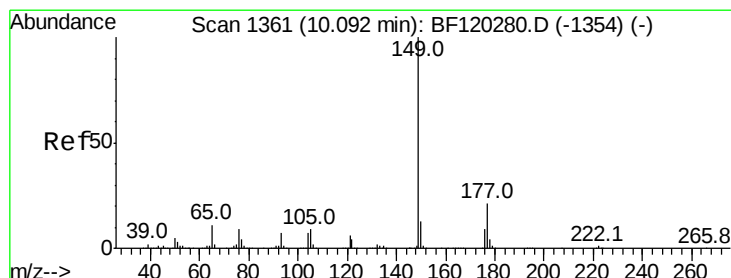
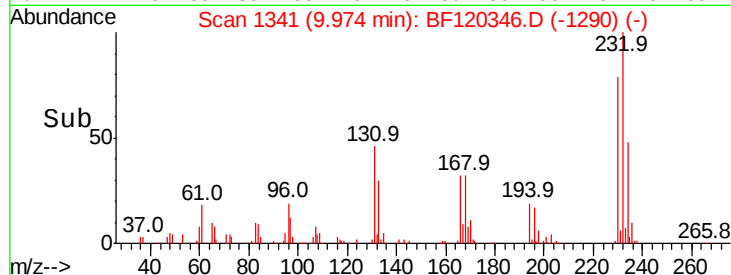
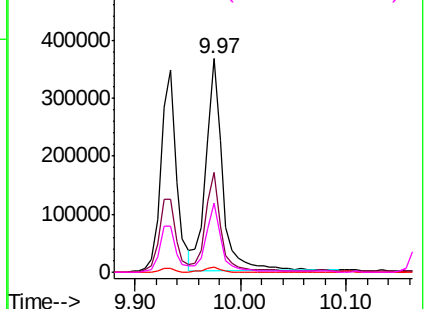


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 47.613 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.01 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

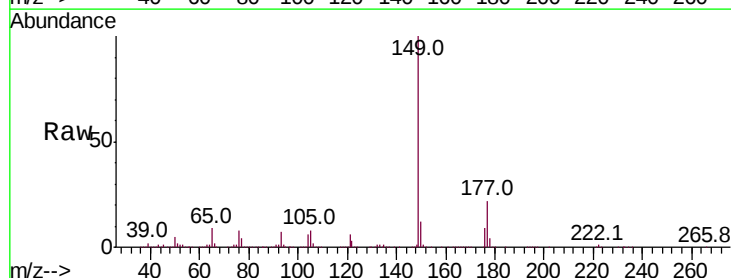
Tgt Ion:149 Resp: 1649564

Ion Ratio Lower Upper

149 100

177 22.1 17.1 25.7

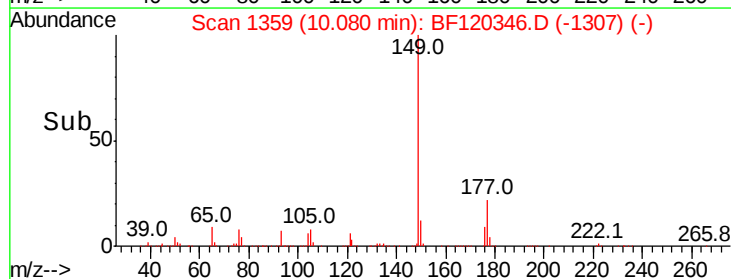
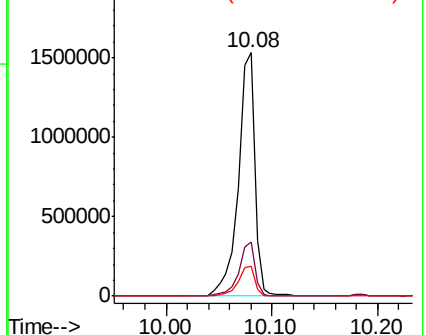
150 12.3 10.3 15.5

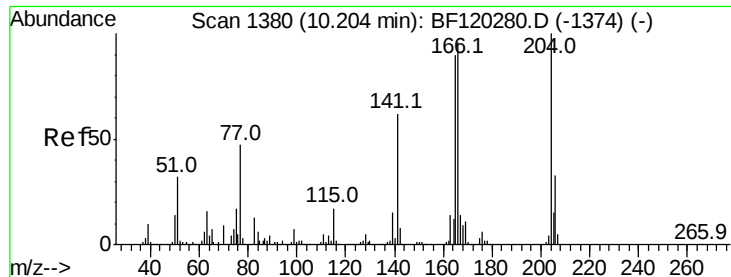


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

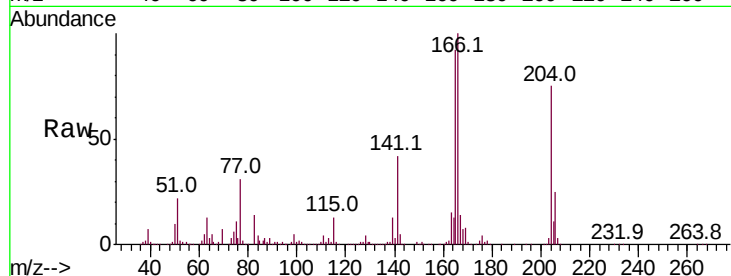




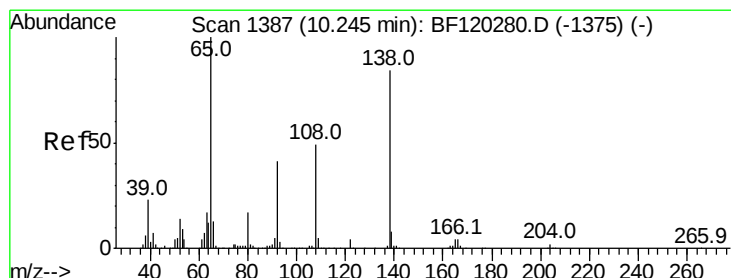
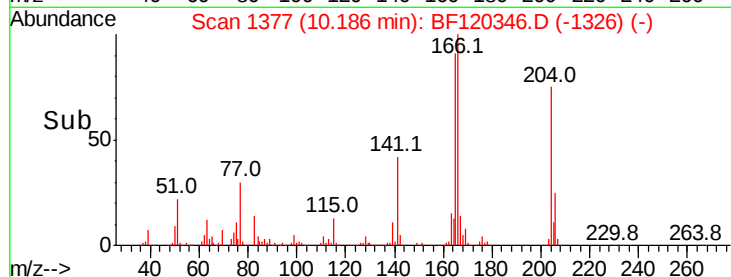
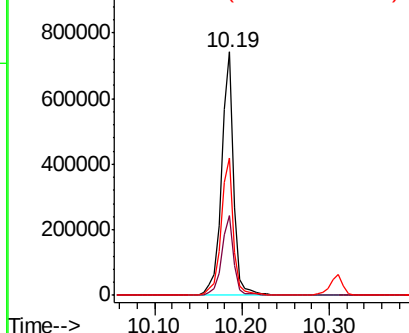
#61
4-Chlorophenyl-phenylether
Concen: 45.822 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Instrument :
BNA_F
ClientSampleId :
PB128946BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.8	40.2
141	56.2	49.5	74.3

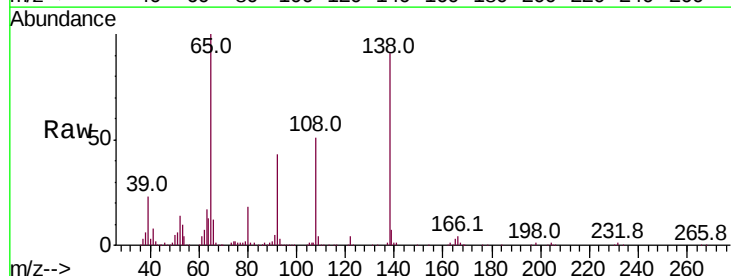


Abundance Ion 204.00 (203.70 to 204.70): E
1000000
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

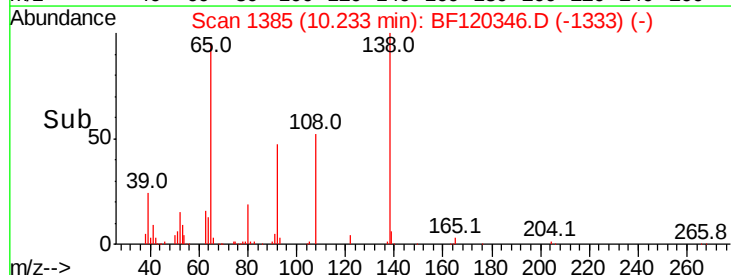
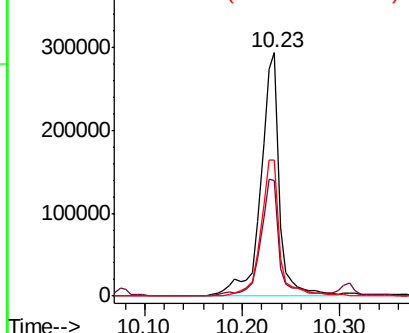


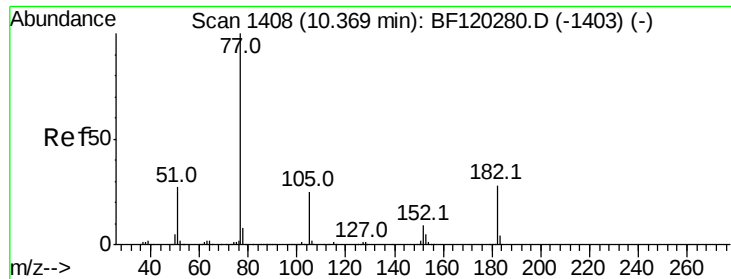
#62
4-Nitroaniline
Concen: 44.802 ng
RT: 10.23 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.4	28.9	68.9
108	56.2	38.4	78.4



Abundance Ion 138.00 (137.70 to 138.70): E
400000
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

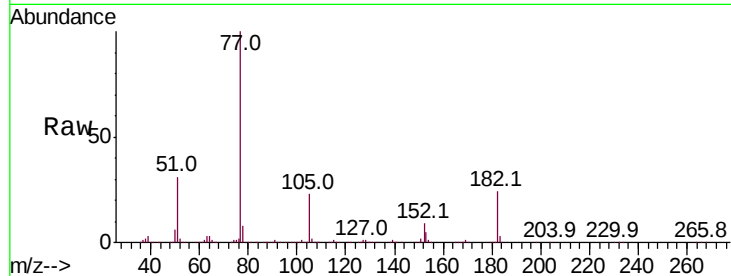




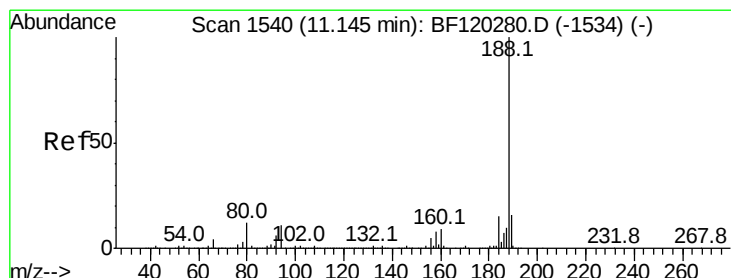
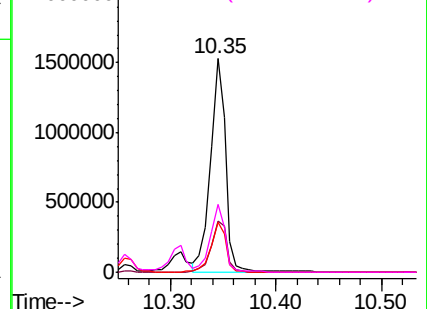
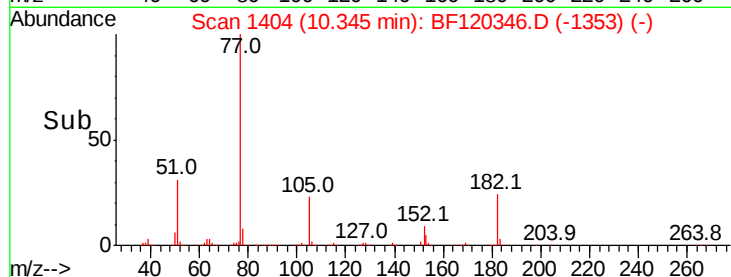
#63
Azobenzene
Concen: 46.797 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Instrument :
BNA_F
ClientSampleId :
PB128946BS

Tot Ion: 77 Resp: 1532305
Ion Ratio Lower Upper
77 100
182 24.3 7.4 47.4
105 23.3 4.4 44.4
51 31.5 8.3 48.3

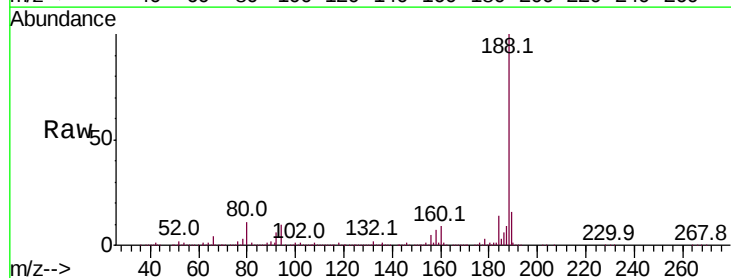


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

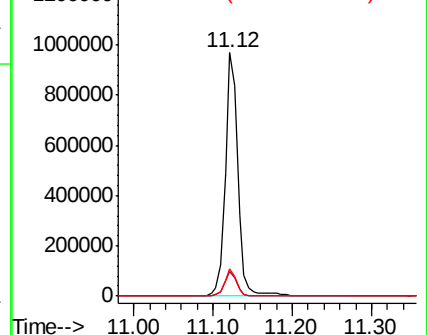
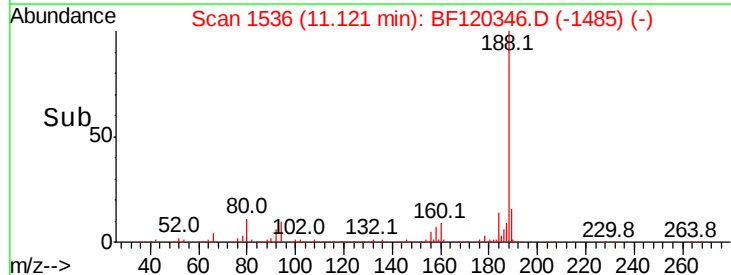


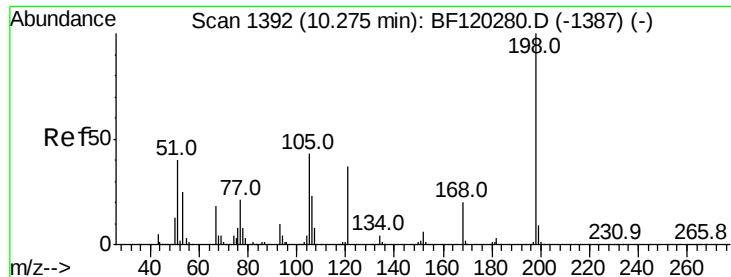
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion: 188 Resp: 1062291
Ion Ratio Lower Upper
188 100
94 10.4 8.6 13.0
80 11.0 9.2 13.8



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

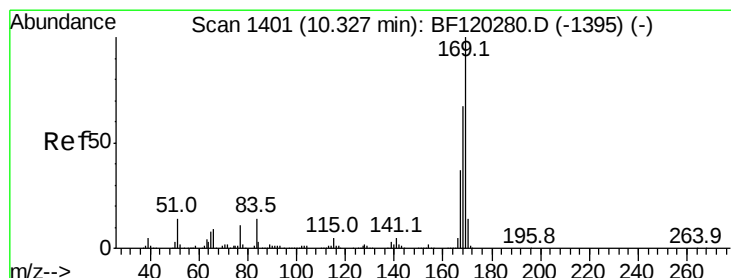
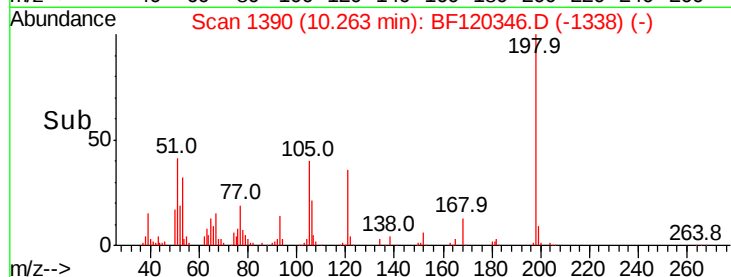
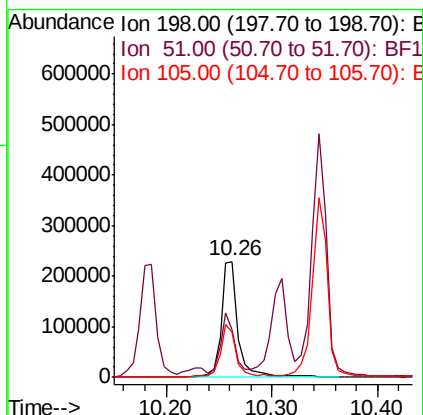
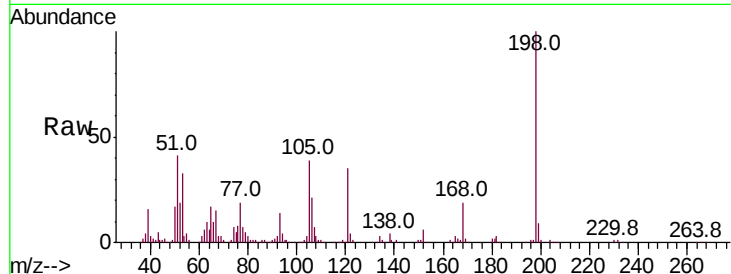




#65
4,6-Dinitro-2-methylphenol
Concen: 48.089 ng
RT: 10.26 min Scan# 1390
Delta R.T. 0.01 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

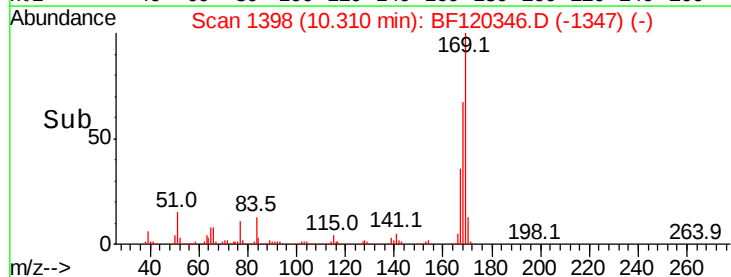
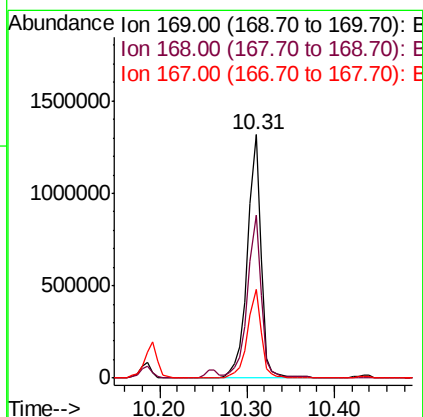
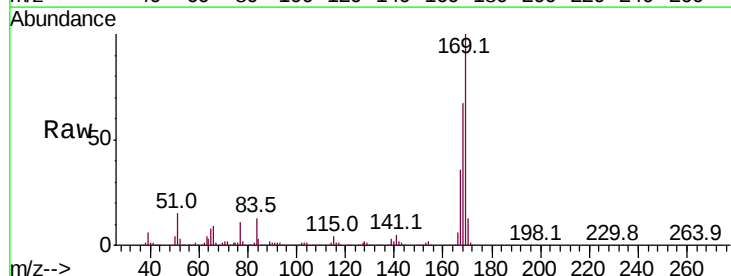
Instrument :
BNA_F
ClientSampleId :
PB128946BS

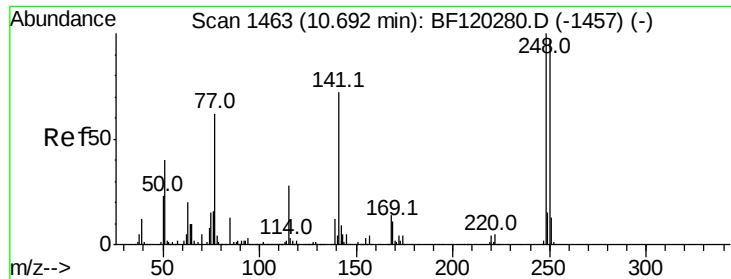
Tot Ion:198 Resp: 258351
Ion Ratio Lower Upper
198 100
51 41.5 27.1 67.1
105 39.4 24.3 64.3



#66
n-Nitrosodiphenylamine
Concen: 46.346 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion:169 Resp: 1362082
Ion Ratio Lower Upper
169 100
168 66.9 53.7 80.5
167 36.3 29.8 44.6

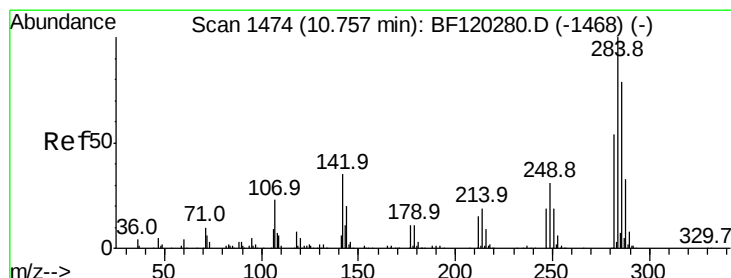
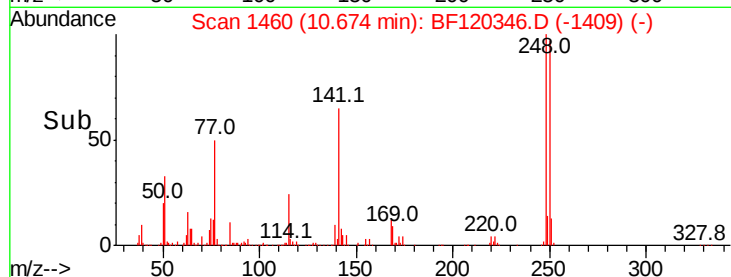
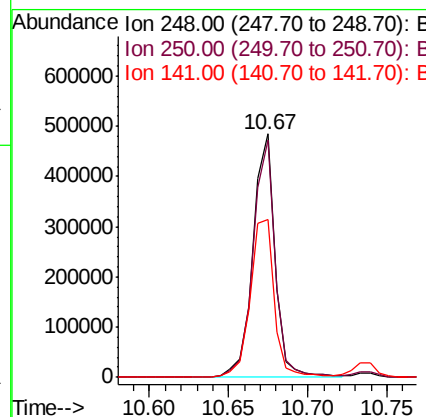
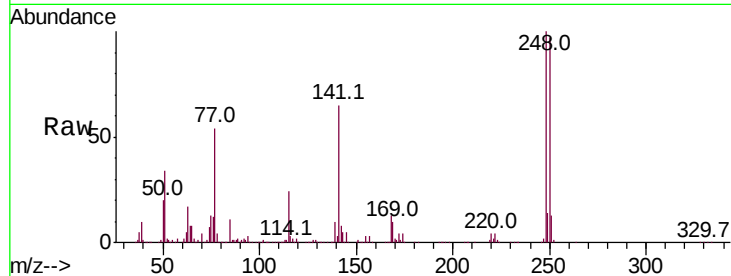




#67
4-Bromophenyl-phenylether
Concen: 45.418 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

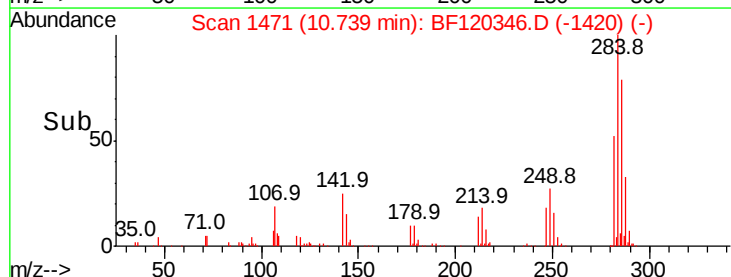
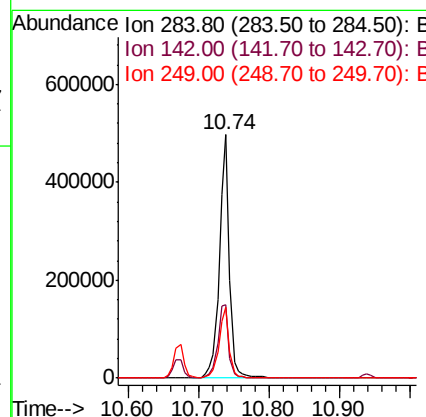
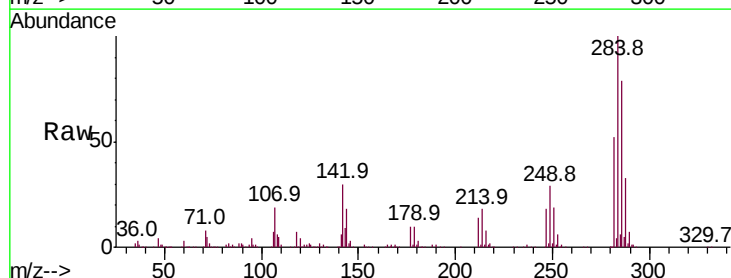
Instrument :
BNA_F
ClientSampleId :
PB128946BS

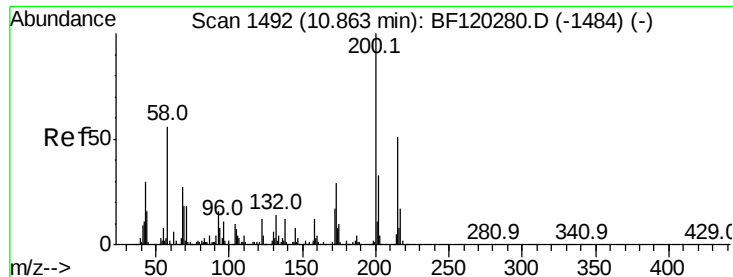
Tot Ion:248 Resp: 468175
Ion Ratio Lower Upper
248 100
250 97.4 77.8 116.6
141 64.8 57.7 86.5



#68
Hexachlorobenzene
Concen: 45.834 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion:284 Resp: 494275
Ion Ratio Lower Upper
284 100
142 30.4 28.5 42.7
249 29.3 24.8 37.2





#69

Atrazine

Concen: 42.281 ng

RT: 10.85 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

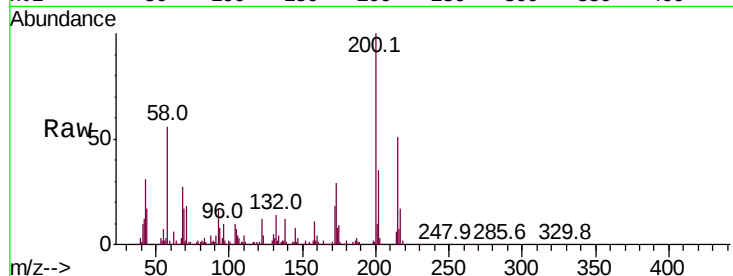
Tot Ion:200 Resp: 371818

Ion Ratio Lower Upper

200 100

173 29.2 8.7 48.7

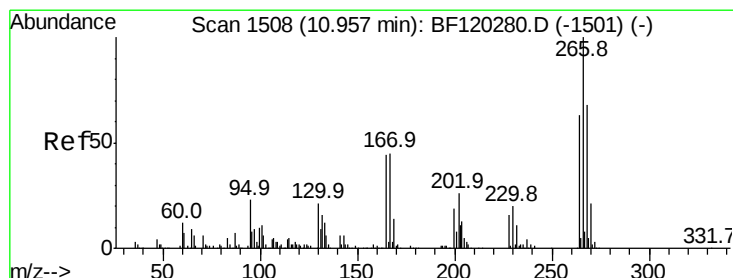
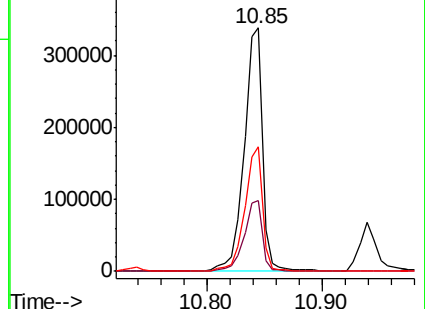
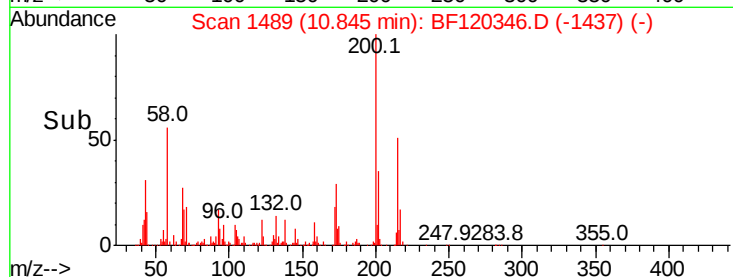
215 51.4 30.6 70.6



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: 90.879 ng

RT: 10.94 min Scan# 1505

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

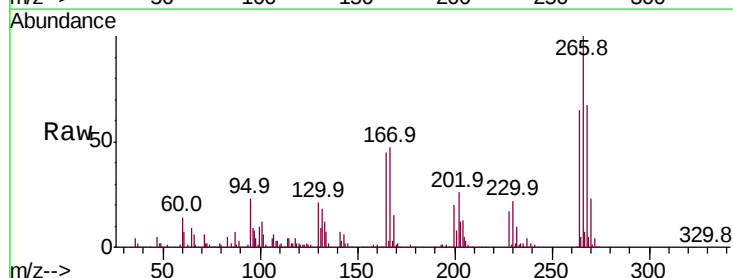
Tgt Ion:266 Resp: 416829

Ion Ratio Lower Upper

266 100

268 67.2 54.2 81.4

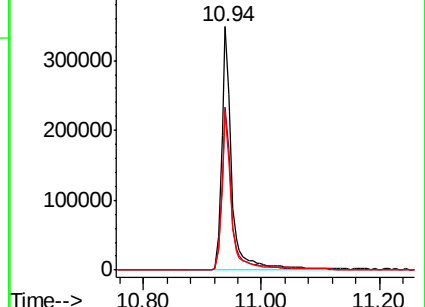
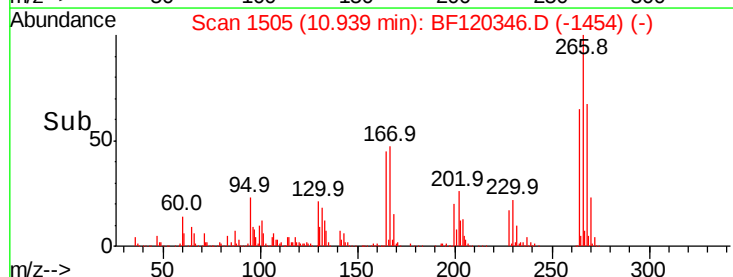
264 64.6 50.2 75.4

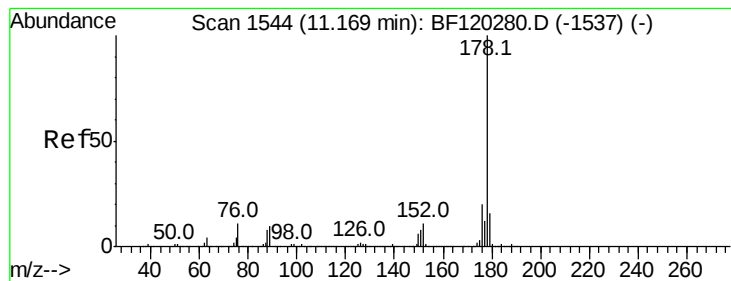


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 47.269 ng

RT: 11.15 min Scan# 1541

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

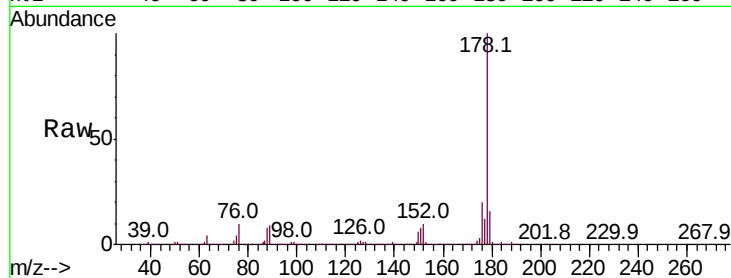
Tot Ion:178 Resp: 2109958

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

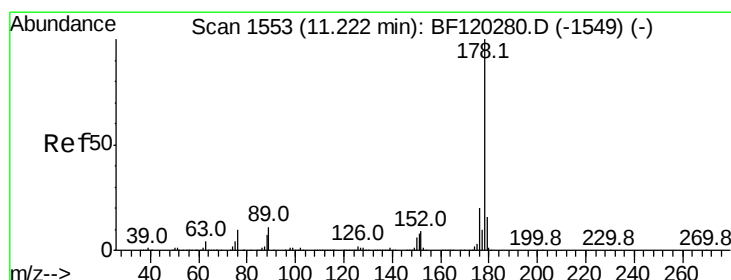
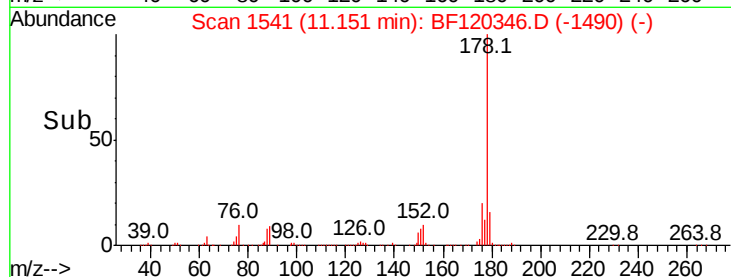
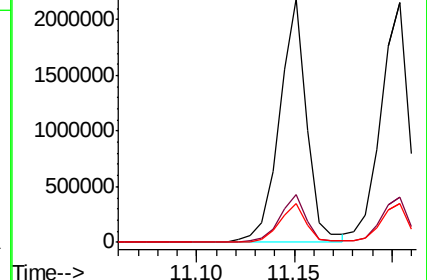
179 16.1 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 47.701 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

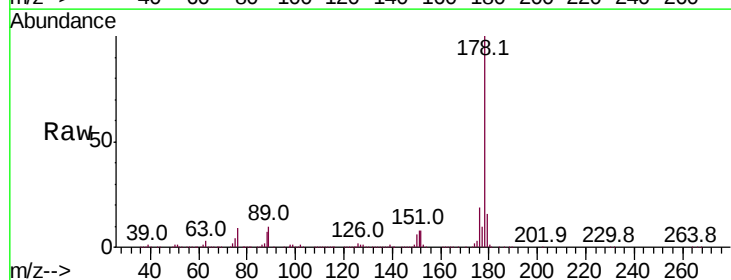
Tgt Ion:178 Resp: 2279456

Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

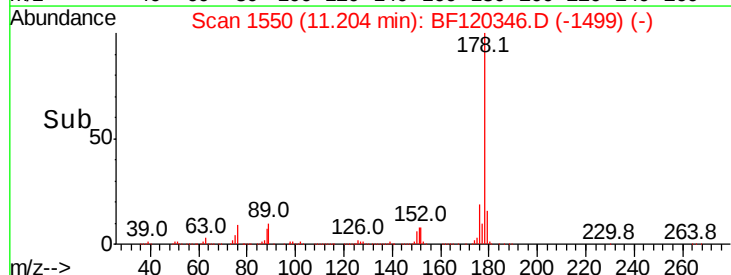
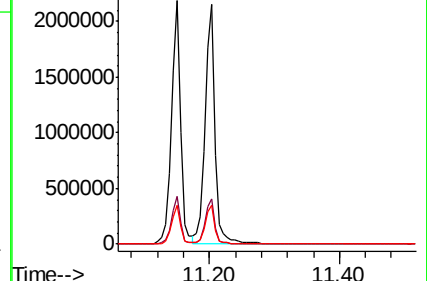
179 15.9 13.0 19.6

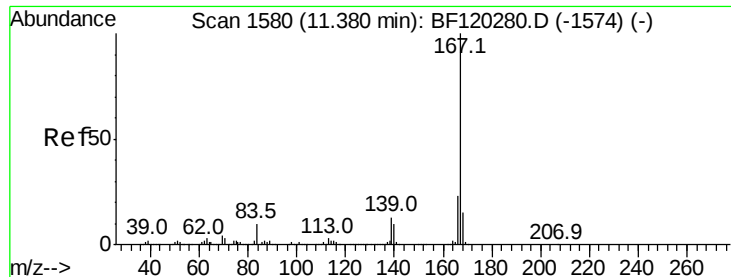


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

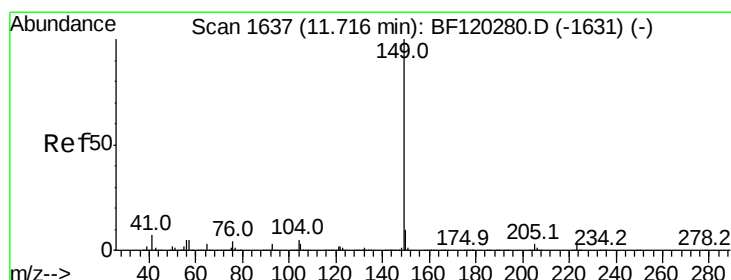
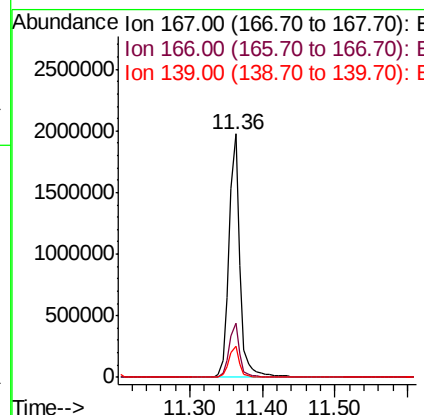
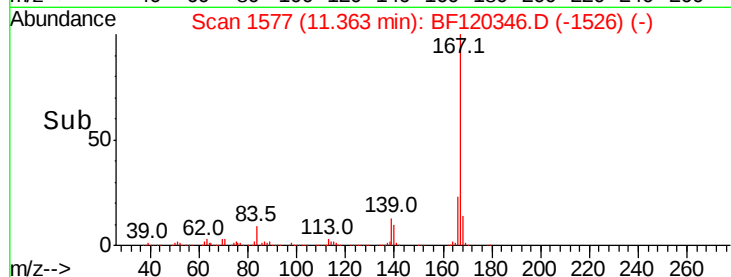
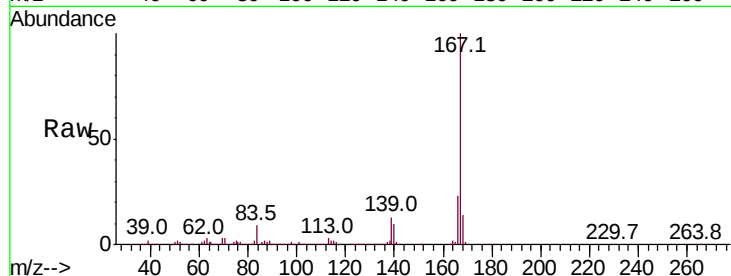




#73
 Carbazole
 Concen: 46.398 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

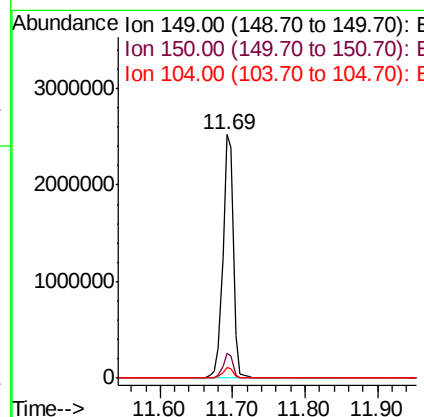
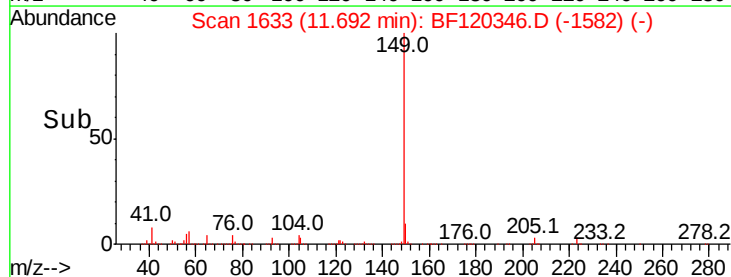
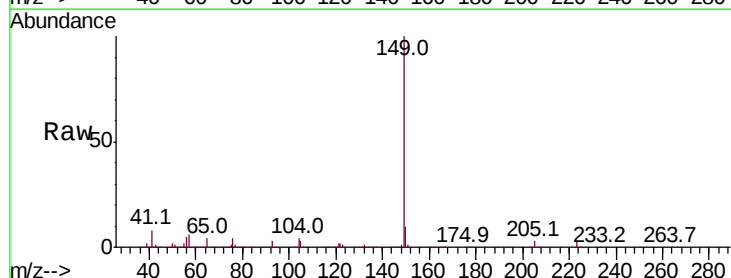
Instrument :
 BNA_F
 ClientSampleId :
 PB128946BS

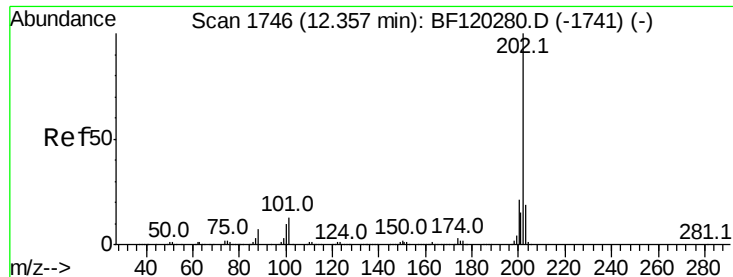
Tot Ion:167 Resp: 2071626
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.1 27.1
 139 12.6 10.6 15.8



#74
 Di-n-butylphthalate
 Concen: 47.158 ng
 RT: 11.69 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BF120346.D
 Acq: 18 May 2020 17:18

Tgt Ion:149 Resp: 2537630
 Ion Ratio Lower Upper
 149 100
 150 10.1 8.2 12.4
 104 4.5 3.8 5.8





#75

Fluoranthene

Concen: 48.564 ng

RT: 12.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

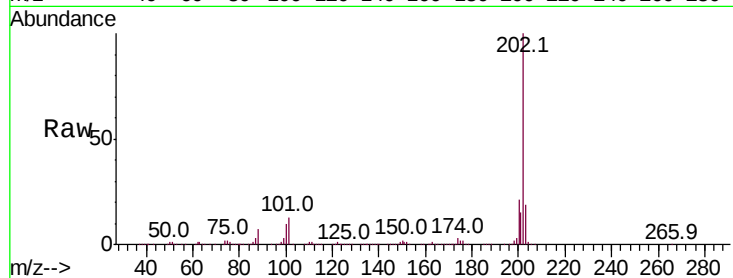
Tot Ion:202 Resp: 2323486

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

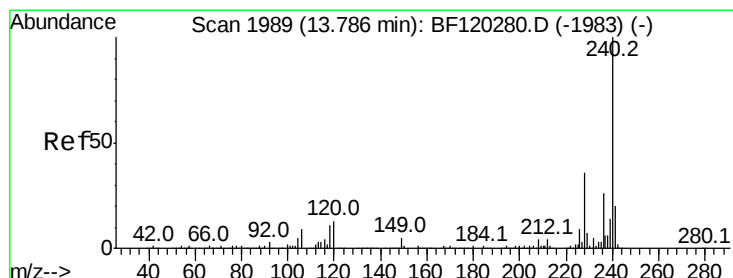
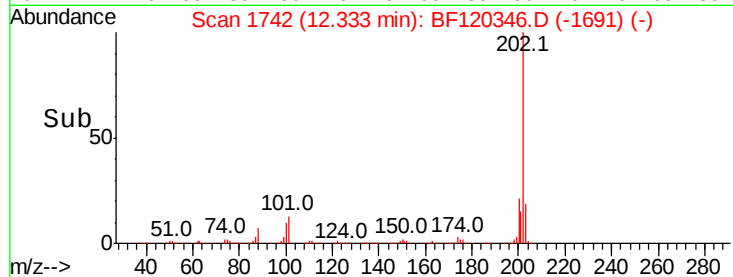
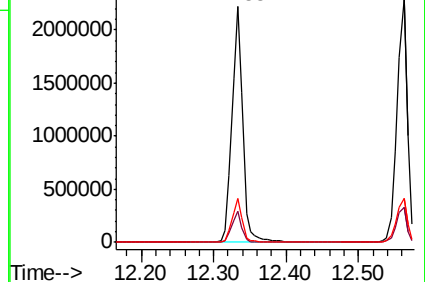
203 18.6 0.0 39.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

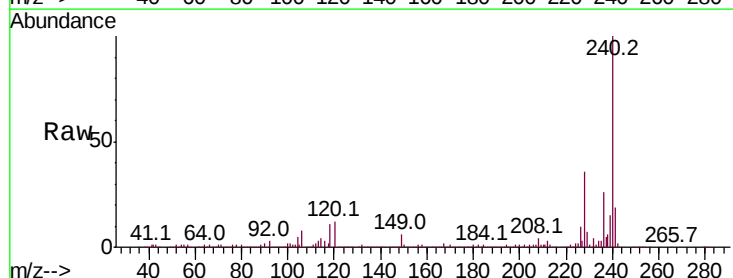
Tgt Ion:240 Resp: 805329

Ion Ratio Lower Upper

240 100

120 11.9 10.4 15.6

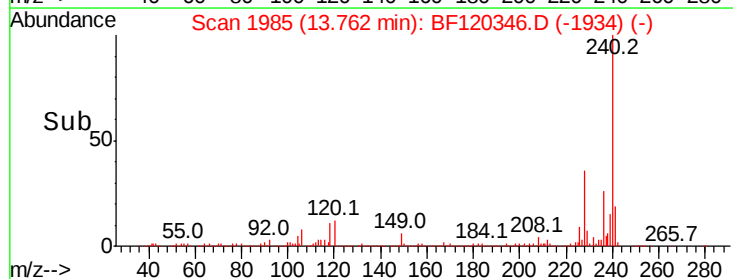
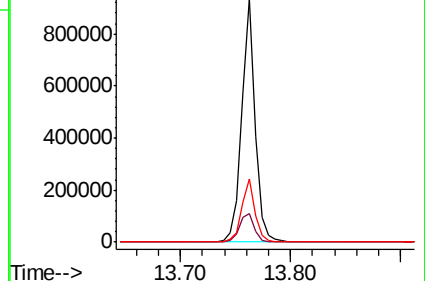
236 26.1 21.0 31.6

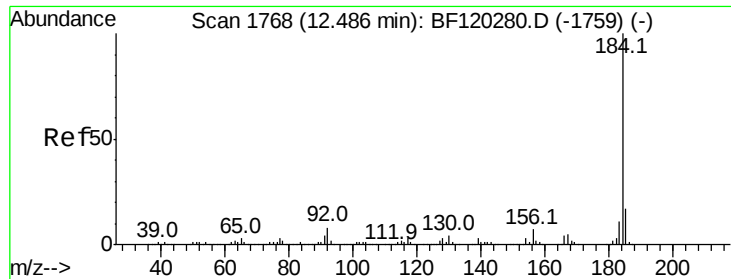


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 53.849 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

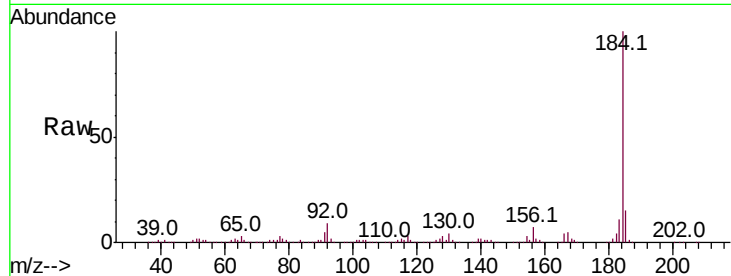
Tot Ion:184 Resp: 1266359

Ion Ratio Lower Upper

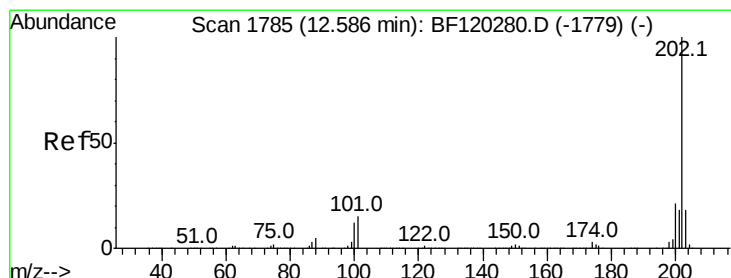
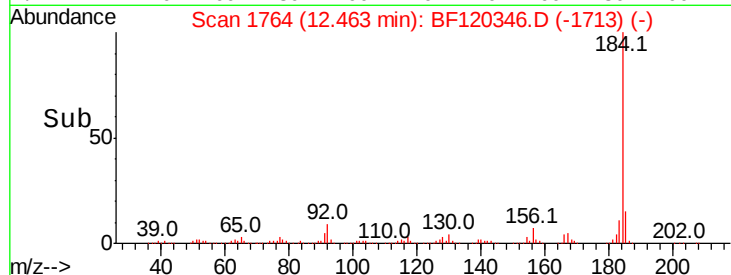
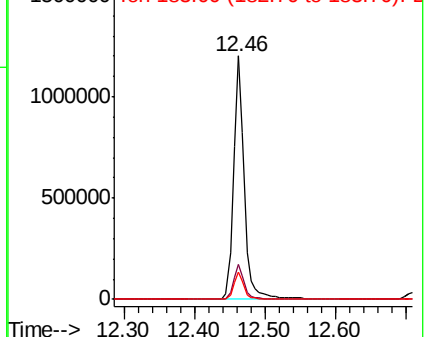
184 100

185 14.6 13.7 20.5

183 11.3 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: 40.667 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

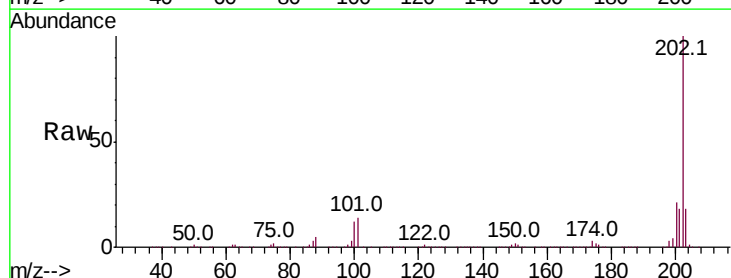
Tgt Ion:202 Resp: 2334758

Ion Ratio Lower Upper

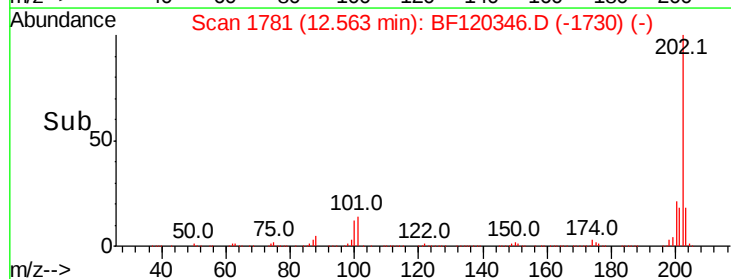
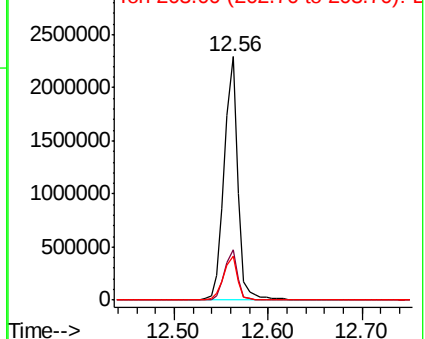
202 100

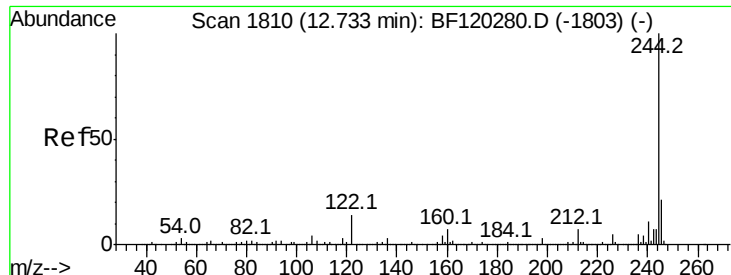
200 20.7 16.6 25.0

203 18.2 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: 85.343 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

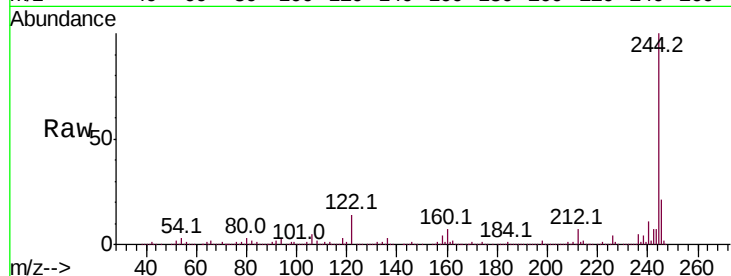
Tot Ion:244 Resp: 3111013

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

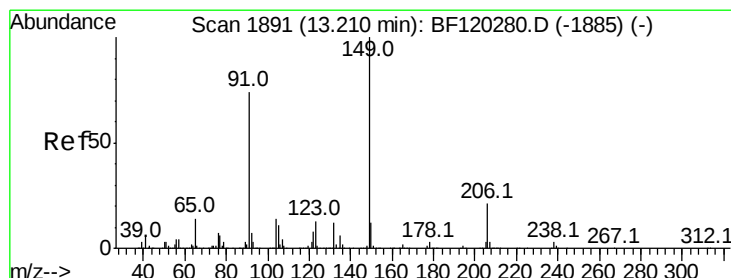
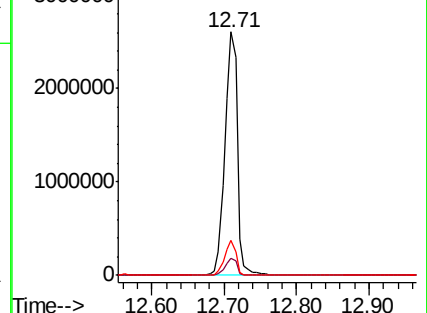
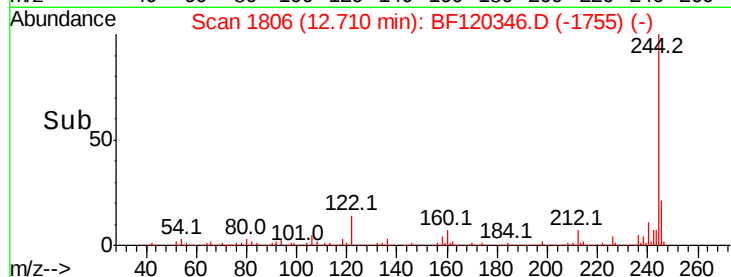
122 14.2 10.8 16.2



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: 43.215 ng

RT: 13.19 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

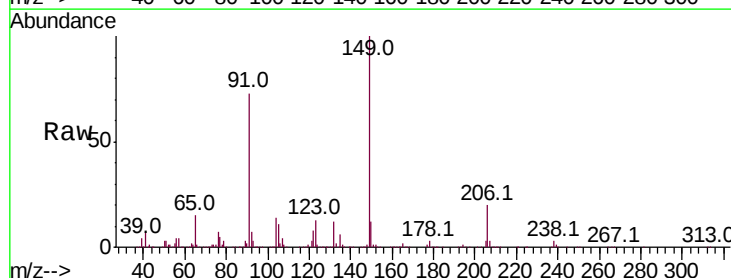
Tgt Ion:149 Resp: 1168302

Ion Ratio Lower Upper

149 100

91 72.9 59.0 88.4

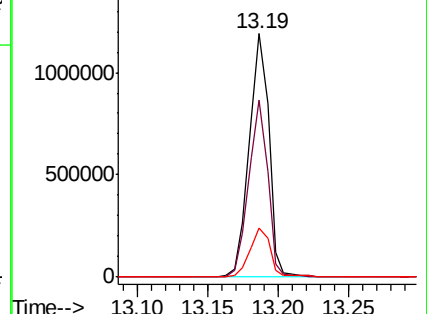
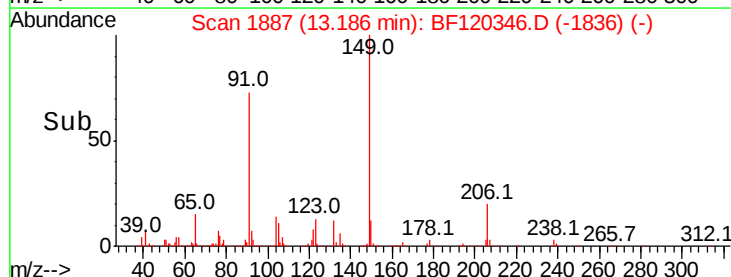
206 20.2 16.8 25.2

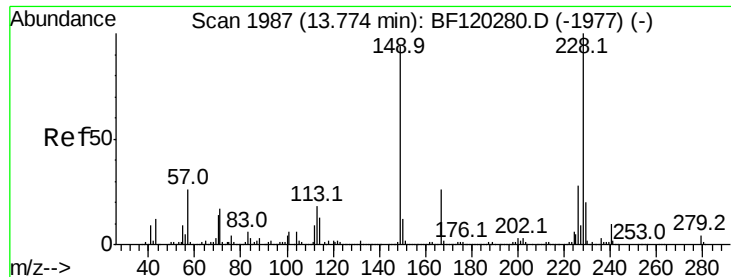


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.285 ng

RT: 13.75 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

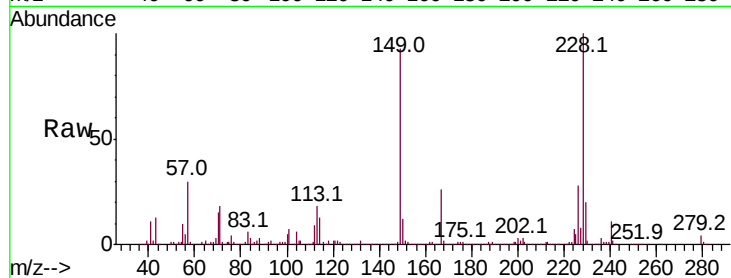
BNA_F

ClientSampleId :

PB128946BS

Tot Ion:228 Resp: 1965994

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.3	16.4	24.6

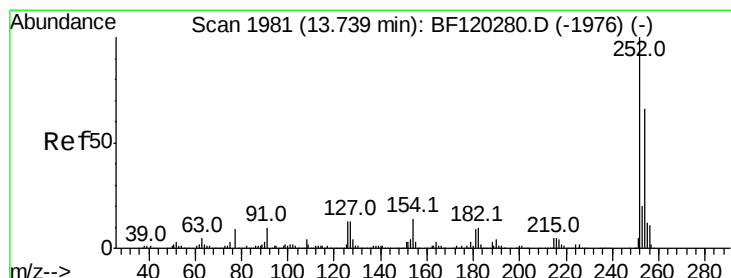
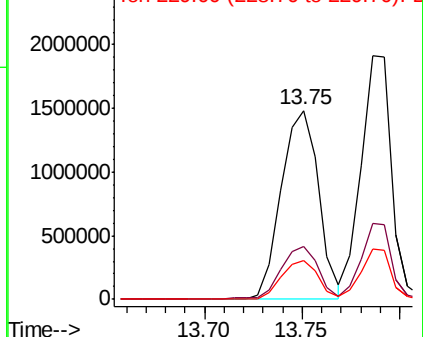
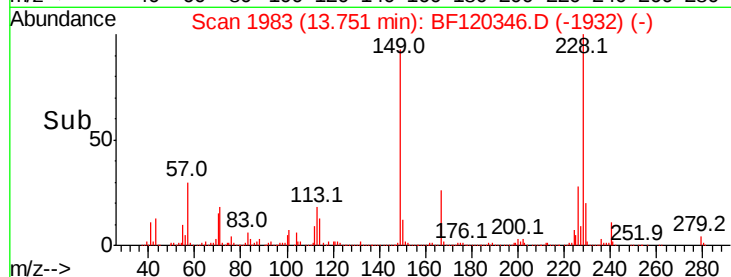


Abundance

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: 35.745 ng

RT: 13.72 min Scan# 1977

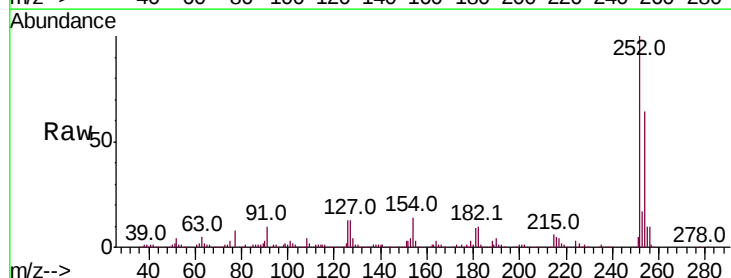
Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Tgt Ion:252 Resp: 572158

Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.6	78.8
126	13.2	10.7	16.1

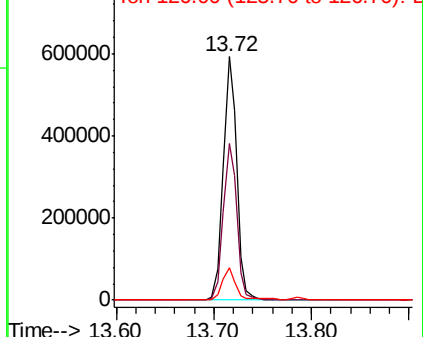
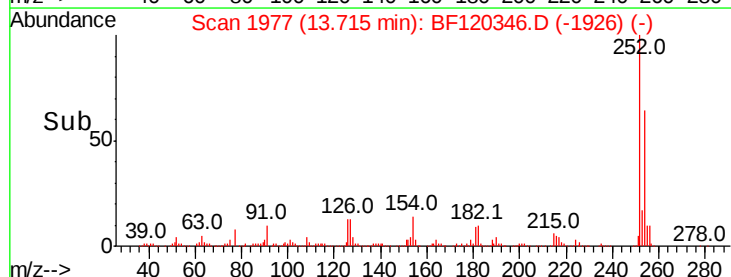


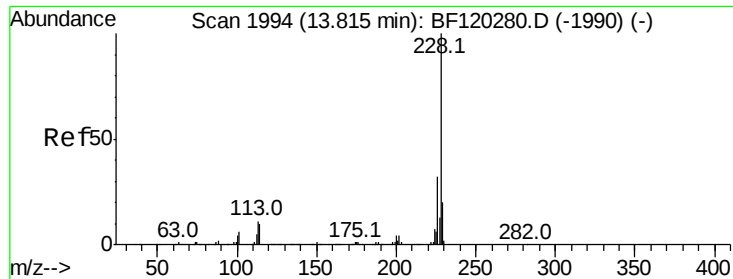
Abundance

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: 45.981 ng

RT: 13.79 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

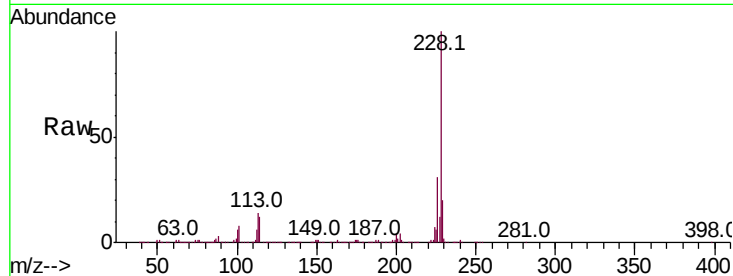
Tot Ion:228 Resp: 2097226

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

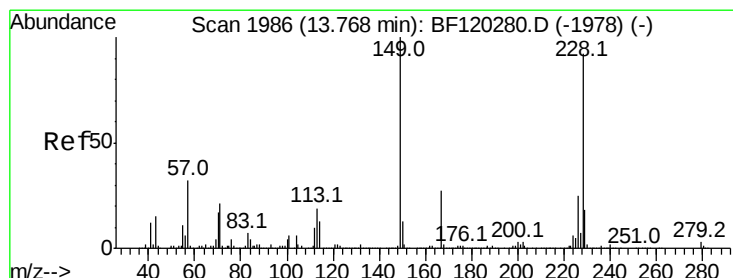
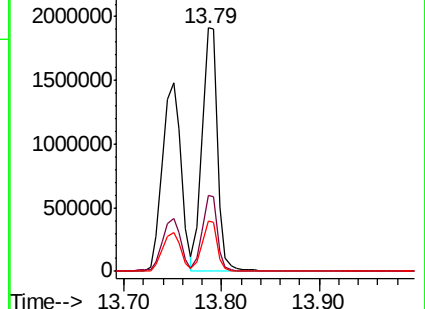
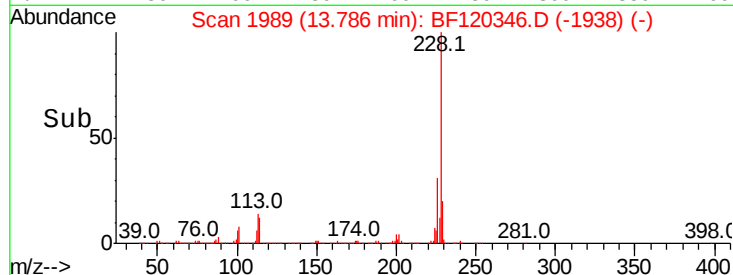
229 20.4 16.2 24.4



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.493 ng

RT: 13.75 min Scan# 1983

Delta R.T. 0.01 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

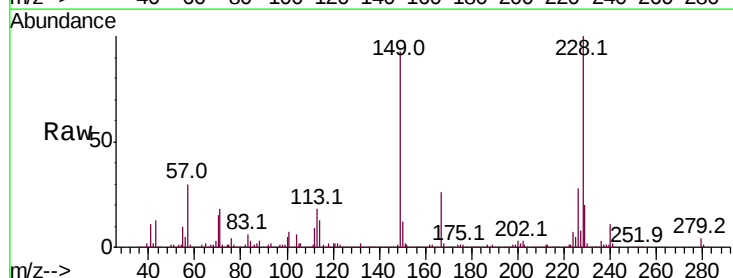
Tgt Ion:149 Resp: 1429267

Ion Ratio Lower Upper

149 100

167 28.0 21.8 32.8

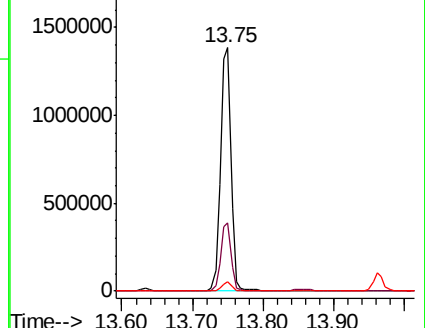
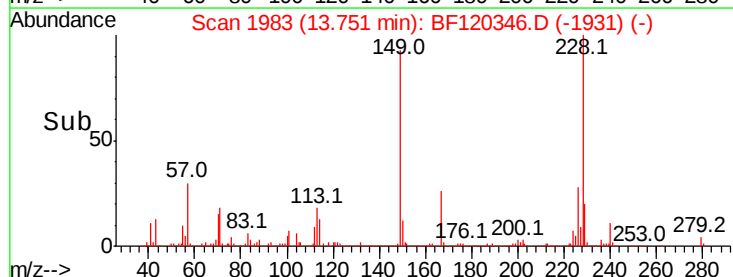
279 4.1 2.8 4.2

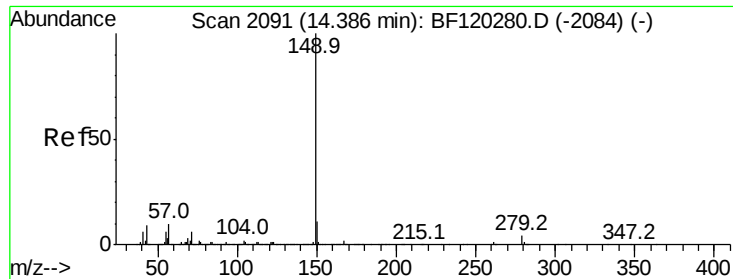


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 44.683 ng

RT: 14.36 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

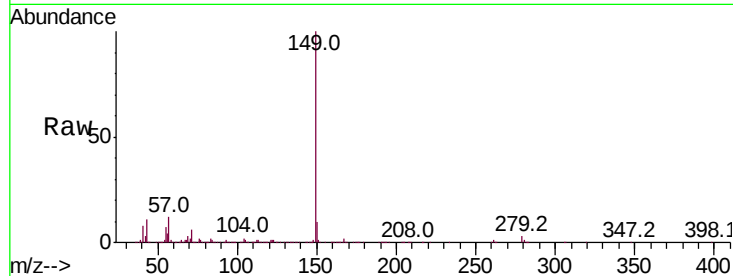
Tot Ion:149 Resp: 2703751

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

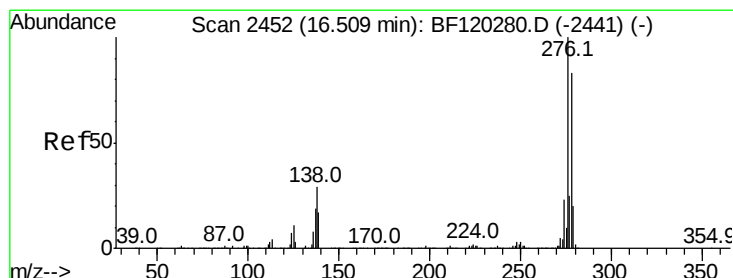
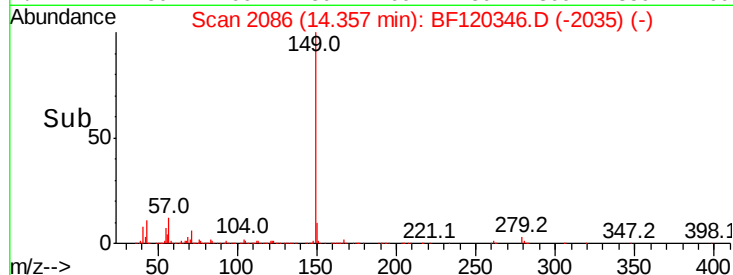
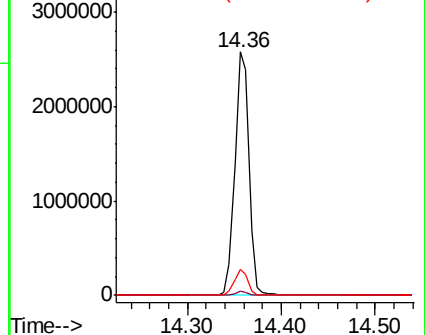
43 10.2 7.5 11.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 38.448 ng

RT: 16.46 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

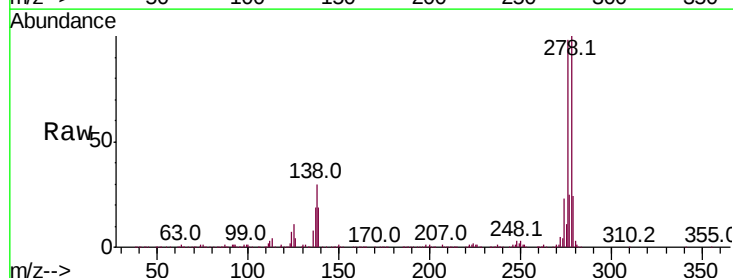
Tgt Ion:276 Resp: 1591628

Ion Ratio Lower Upper

276 100

138 27.5 23.3 34.9

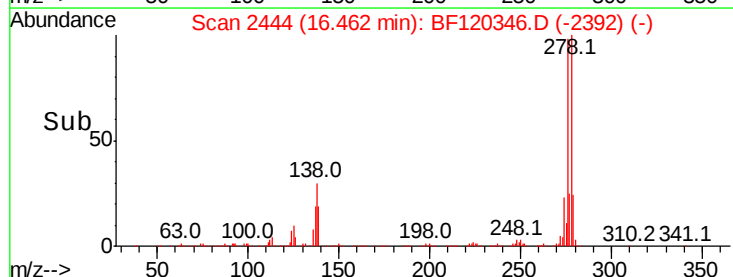
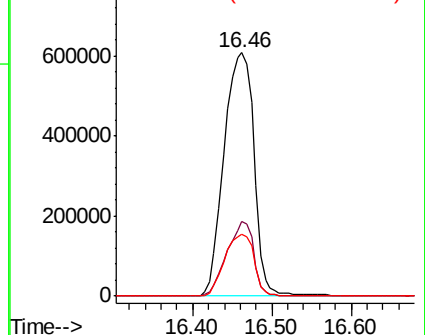
277 25.0 20.2 30.4

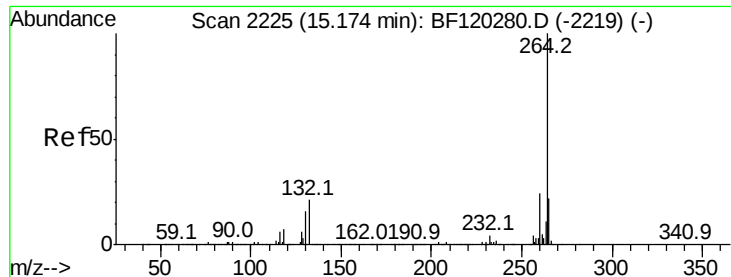


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.14 min Scan# 2220

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

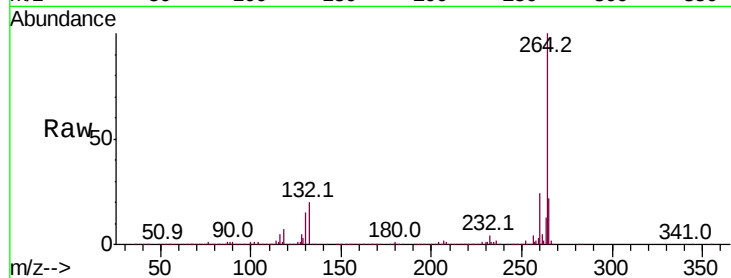
Tot Ion:264 Resp: 769135

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 21.9 17.5 26.3

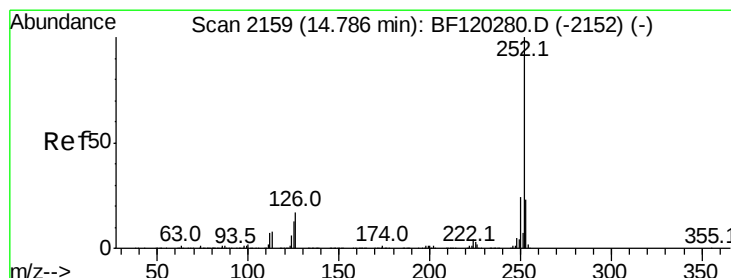
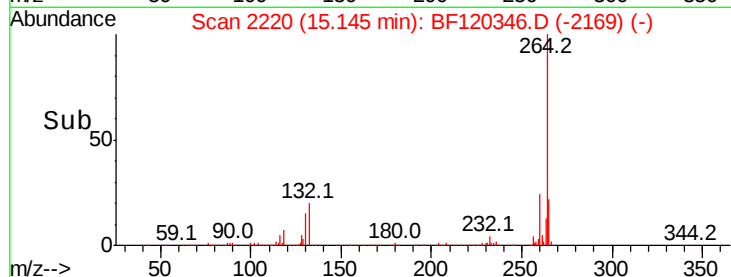
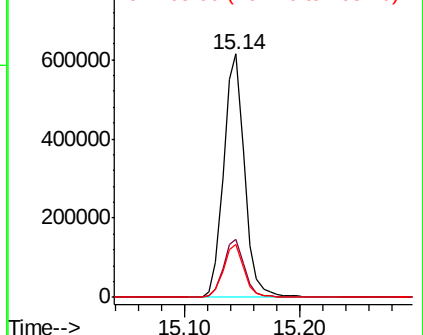


Abundance

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: 45.945 ng

RT: 14.76 min Scan# 2155

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

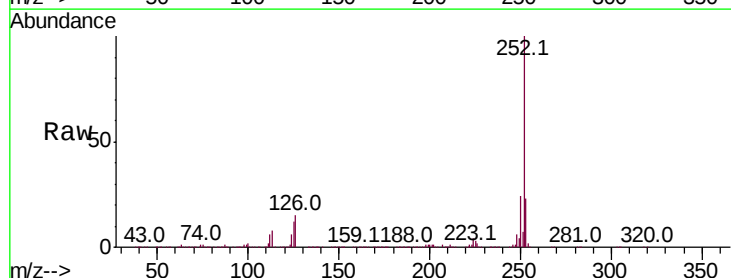
Tgt Ion:252 Resp: 1929882

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

125 11.9 10.4 15.6

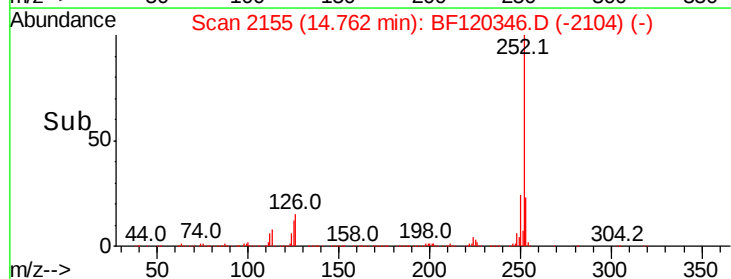
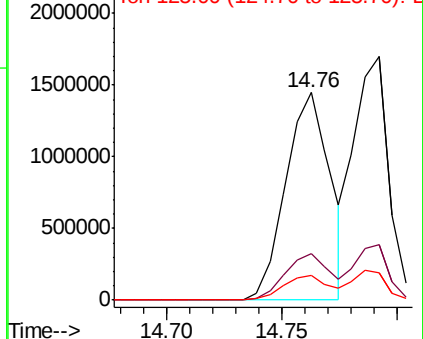


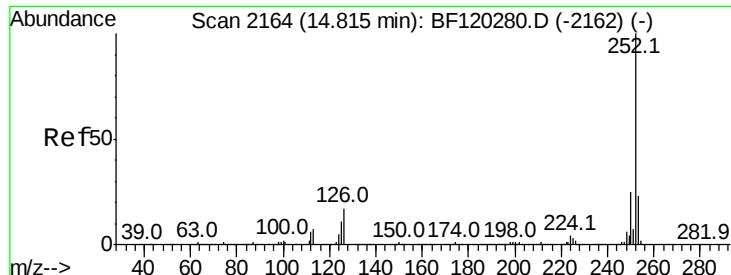
Abundance

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

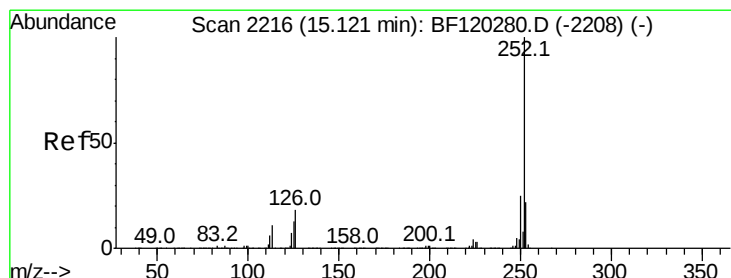
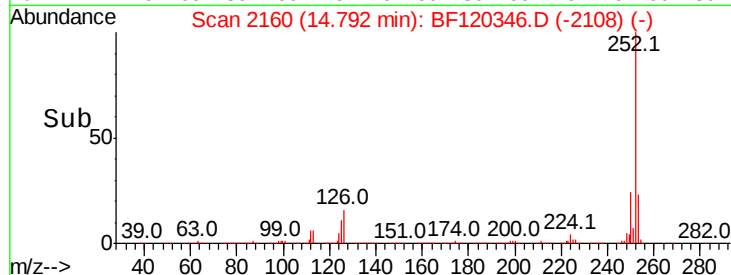
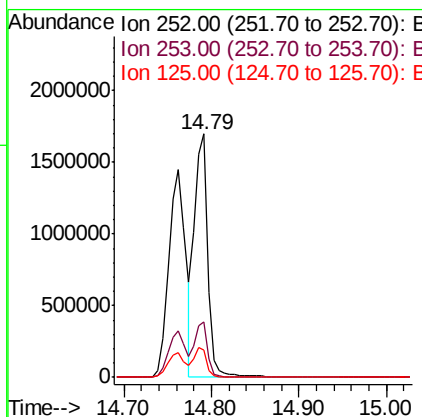
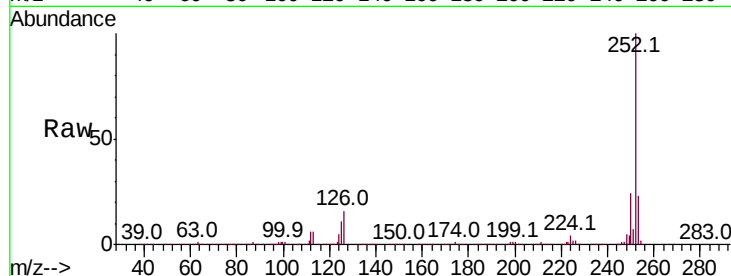




#89
Benzo(k)fluoranthene
Concen: 50.166 ng
RT: 14.79 min Scan# 2160
Delta R.T. 0.01 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

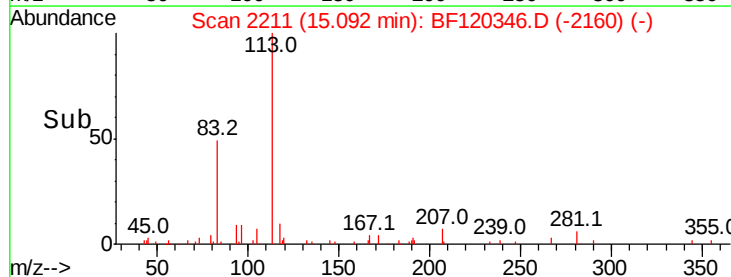
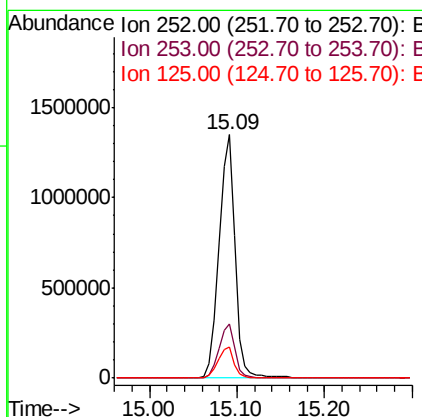
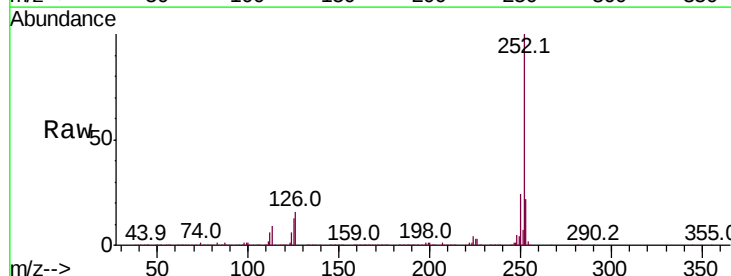
Instrument :
BNA_F
ClientSampleId :
PB128946BS

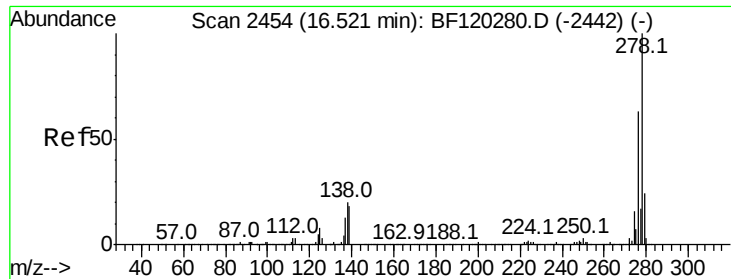
Tot Ion:252 Resp: 1825637
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 11.0 9.9 14.9



#90
Benzo(a)pyrene
Concen: 45.736 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF120346.D
Acq: 18 May 2020 17:18

Tgt Ion:252 Resp: 1722883
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 12.8 10.6 16.0





#91

Dibenzo(a,h)anthracene

Concen: 39.864 ng

RT: 16.47 min Scan# 2445

Delta R.T. -0.00 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

Instrument :

BNA_F

ClientSampleId :

PB128946BS

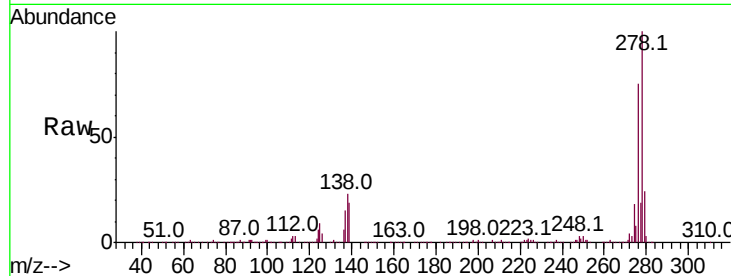
Tot Ion:278 Resp: 1330361

Ion	Ratio	Lower	Upper
278	100		
139	18.7	14.7	22.1
279	23.9	19.2	28.8

278 100

139 18.7 14.7 22.1

279 23.9 19.2 28.8

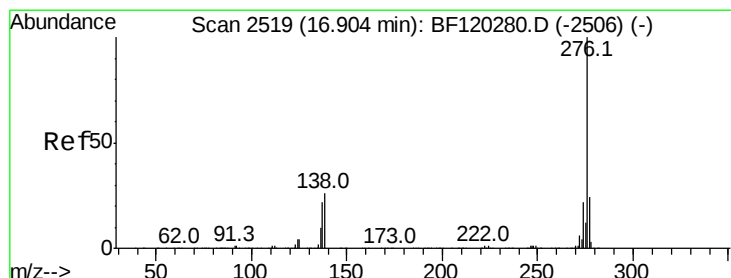
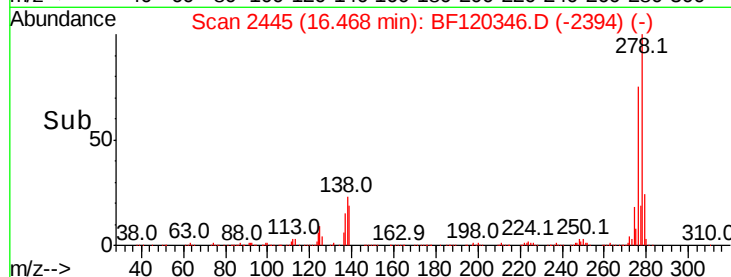
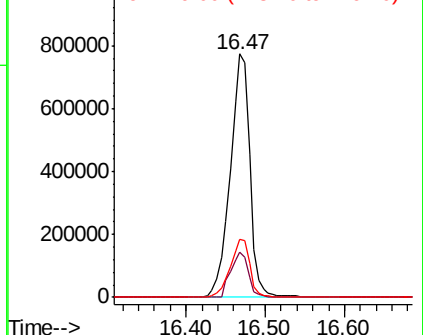


Abundance

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: 39.404 ng

RT: 16.86 min Scan# 2511

Delta R.T. 0.01 min

Lab File: BF120346.D

Acq: 18 May 2020 17:18

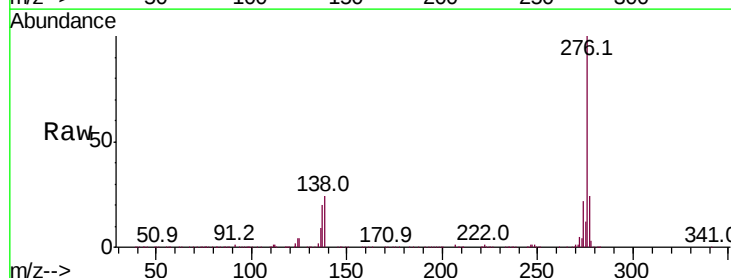
Tgt Ion:276 Resp: 1326056

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	23.5	20.8	31.2

276 100

277 23.7 19.1 28.7

138 23.5 20.8 31.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

