

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042320\
 Data File : BF120180.D
 Acq On : 23 Apr 2020 22:48
 Operator : MA/SJ
 Sample : L2330-14MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

Quant Time: Apr 24 01:28:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:31:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	139730	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	562423	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	291751	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	543489	20.00	ng	0.00
76) Chrysene-d12	13.83	240	382098	20.00	ng	0.00
87) Perylene-d12	15.22	264	331026	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	698183	86.35	ng	0.00
7) Phenol-d6	6.31	99	569471	54.66	ng	0.00
23) Nitrobenzene-d5	7.24	82	1073973	98.79	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	464091	129.92	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2099165	102.15	ng	0.00
79) Terphenyl-d14	12.78	244	2251573	99.15	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.30	88	89069	24.733	ng	99
3) Pyridine	2.98	79	187805	19.008	ng	97
4) n-Nitrosodimethylamine	2.93	42	132755	26.297	ng	99
6) Aniline	6.33	93	328123	23.996	ng	# 89
8) 2-Chlorophenol	6.45	128	442225	48.951	ng	96
9) Benzaldehyde	6.21	77	232290	42.843	ng	100
10) Phenol	6.32	94	237083	20.058	ng	# 49
11) bis(2-Chloroethyl)ether	6.40	93	483915	53.025	ng	100
12) 1,3-Dichlorobenzene	6.60	146	523652	52.946	ng	98
13) 1,4-Dichlorobenzene	6.68	146	534131	53.016	ng	98
14) 1,2-Dichlorobenzene	6.83	146	500813	53.938	ng	98
15) Benzyl Alcohol	6.82	79	303043	37.450	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.95	45	852075	47.980	ng	87
17) 2-Methylphenol	6.93	107	304933	37.823	ng	94
18) Hexachloroethane	7.17	117	200723	53.309	ng	98
19) n-Nitroso-di-n-propylamine	7.09	70	371977	55.523	ng	97
20) 3+4-Methylphenols	7.09	107	345669	35.057	ng	# 77
22) Acetophenone	7.08	105	715007	54.290	ng	# 97
24) Nitrobenzene	7.26	77	554439	50.697	ng	97
25) Isophorone	7.50	82	1028527	49.078	ng	99
26) 2-Nitrophenol	7.57	139	276647	50.633	ng	95
27) 2,4-Dimethylphenol	7.62	122	391403	47.498	ng	98
28) bis(2-Chloroethoxy)methane	7.71	93	628949	51.001	ng	99
29) 2,4-Dichlorophenol	7.82	162	395057	46.771	ng	98
30) 1,2,4-Trichlorobenzene	7.89	180	474581	49.587	ng	99
31) Naphthalene	7.97	128	1523737	51.494	ng	99
32) Benzoic acid	7.73	122	106422	14.705	ng	99
33) 4-Chloroaniline	8.02	127	182355	14.156	ng	99
34) Hexachlorobutadiene	8.09	225	275478	48.084	ng	99
35) Caprolactam	8.42	113	16463	6.372	ng	94
36) 4-Chloro-3-methylphenol	8.51	107	431300	47.163	ng	97
37) 2-Methylnaphthalene	8.66	142	1056820	52.679	ng	99
38) 1-Methylnaphthalene	8.76	142	988401	52.272	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.83	216	462258	50.165	ng	99

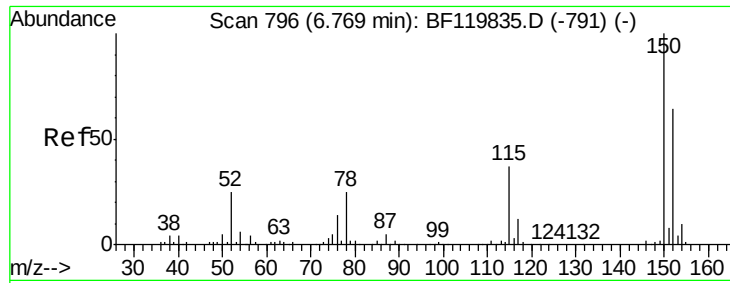
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042320\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.82	237	436839	83.369	ng	98
43) 2,4,6-Trichlorophenol	8.95	196	316681	49.768	ng	99
44) 2,4,5-Trichlorophenol	8.99	196	336540	46.958	ng	98
46) 1,1'-Biphenyl	9.13	154	1270066	51.575	ng	99
47) 2-Chloronaphthalene	9.15	162	985028	51.925	ng	100
48) 2-Nitroaniline	9.26	65	346946	50.468	ng	94
49) Acenaphthylene	9.57	152	1485179	51.479	ng	99
50) Dimethylphthalate	9.45	163	1165742	51.658	ng	99
51) 2,6-Dinitrotoluene	9.50	165	262117	53.042	ng	92
52) Acenaphthene	9.74	154	917423	47.671	ng	99
53) 3-Nitroaniline	9.66	138	100679	17.839	ng	96
54) 2,4-Dinitrophenol	9.78	184	276151	93.339	ng	92
55) Dibenzofuran	9.92	168	1338969	50.702	ng	97
56) 4-Nitrophenol	9.84	139	136054	32.399	ng	96
57) 2,4-Dinitrotoluene	9.90	165	324181	49.792	ng	# 88
58) Fluorene	10.26	166	1073844	50.844	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.03	232	269918	49.243	ng	98
60) Diethylphthalate	10.14	149	1187519	50.773	ng	100
61) 4-Chlorophenyl-phenylether	10.25	204	513112	47.401	ng	95
62) 4-Nitroaniline	10.29	138	245876	45.713	ng	99
63) Azobenzene	10.41	77	1107609	52.842	ng	98
65) 4,6-Dinitro-2-methylphenol	10.32	198	190548	53.217	ng	92
66) n-Nitrosodiphenylamine	10.37	169	981922	54.325	ng	99
67) 4-Bromophenyl-phenylether	10.73	248	316987	46.900	ng	96
68) Hexachlorobenzene	10.80	284	347654	50.704	ng	# 90
69) Atrazine	10.90	200	282572	56.189	ng	99
70) Pentachlorophenol	11.00	266	318877	80.702	ng	98
71) Phenanthrene	11.22	178	1450956	50.163	ng	98
72) Anthracene	11.27	178	1590912	53.840	ng	98
73) Carbazole	11.42	167	1414419	50.617	ng	98
74) Di-n-butylphthalate	11.76	149	1912485	52.063	ng	100
75) Fluoranthene	12.40	202	1652732	52.956	ng	99
77) Benzdine	12.52	184	546713	42.328	ng	99
78) Pyrene	12.63	202	1666133	51.725	ng	98
80) Butylbenzylphthalate	13.25	149	799748	51.167	ng	95
81) Benzo(a)anthracene	13.82	228	1302880	51.832	ng	100
82) 3,3'-Dichlorobenzidine	13.78	252	233636	24.910	ng	98
83) Chrysene	13.85	228	1345295	52.671	ng	98
84) Bis(2-ethylhexyl)phthalate	13.82	149	1072655	50.677	ng	98
85) Di-n-octyl phthalate	14.43	149	1881351	52.203	ng	98
86) Indeno(1,2,3-cd)pyrene	16.58	276	1148230	51.000	ng	99
88) Benzo(b)fluoranthene	14.83	252	1199156	50.357	ng	99
89) Benzo(k)fluoranthene	14.86	252	1128925	54.945	ng	99
90) Benzo(a)pyrene	15.17	252	1023273	51.107	ng	96
91) Dibenzo(a,h)anthracene	16.60	278	951123	53.628	ng	100
92) Benzo(g,h,i)perylene	16.99	276	943872	53.915	ng	97

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

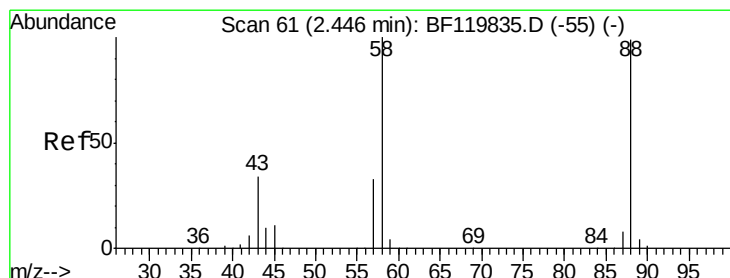
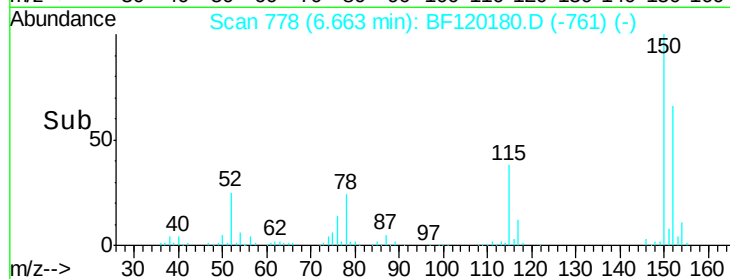
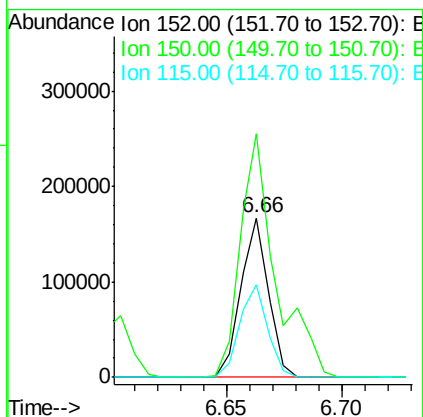
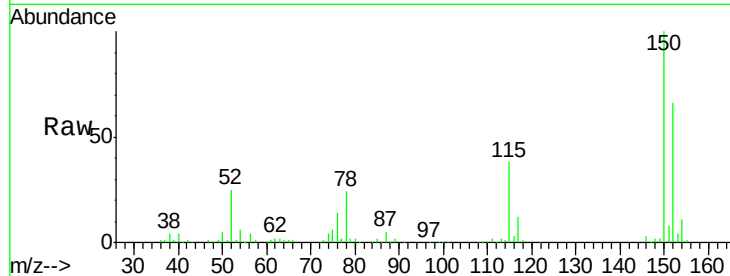


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

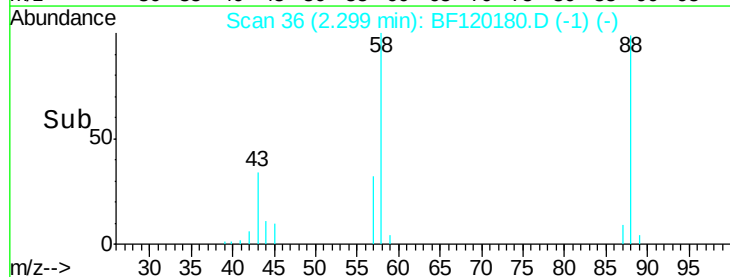
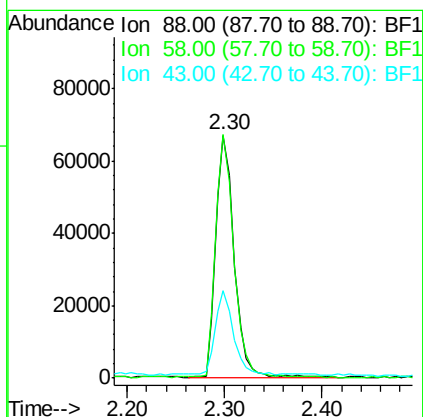
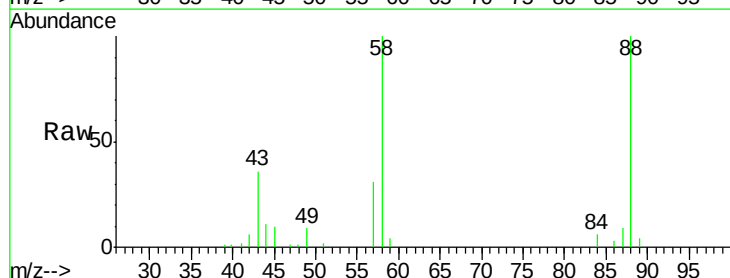
Tot Ion:152 Resp: 139730
Ion Ratio Lower Upper
152 100
150 152.5 124.5 186.7
115 57.7 49.6 74.4

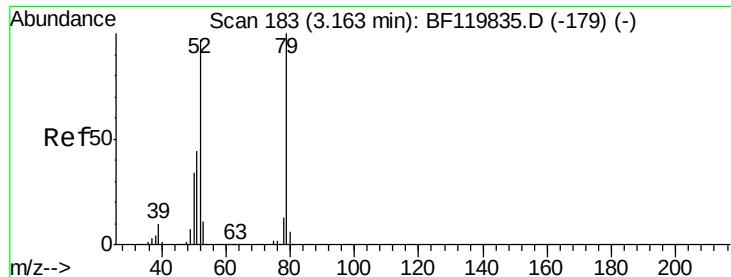


#2

1,4-Dioxane
Concen: 24.733 ng
RT: 2.30 min Scan# 36
Delta R.T. 0.03 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion: 88 Resp: 89069
Ion Ratio Lower Upper
88 100
58 99.9 80.6 121.0
43 33.2 27.5 41.3





#3

Pvridine

Concen: 19.008 ng

RT: 2.98 min Scan# 152

Delta R.T. 0.04 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

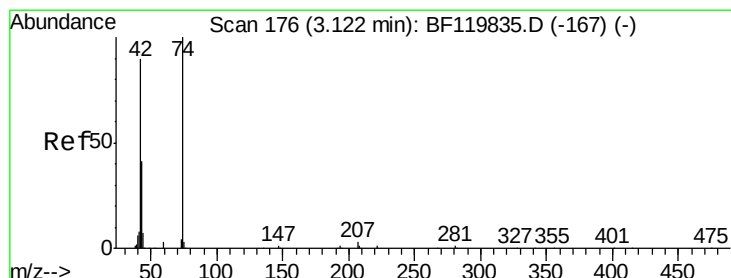
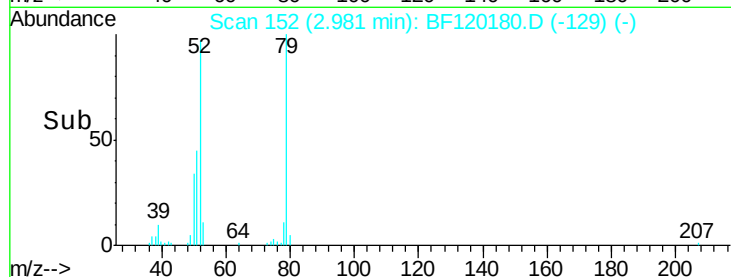
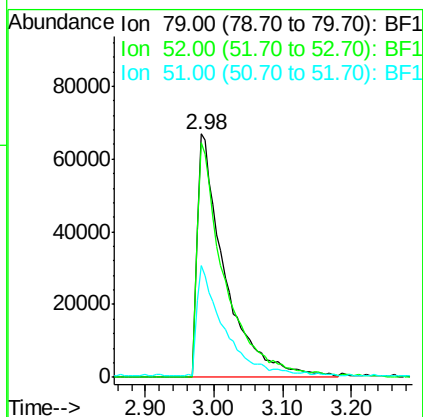
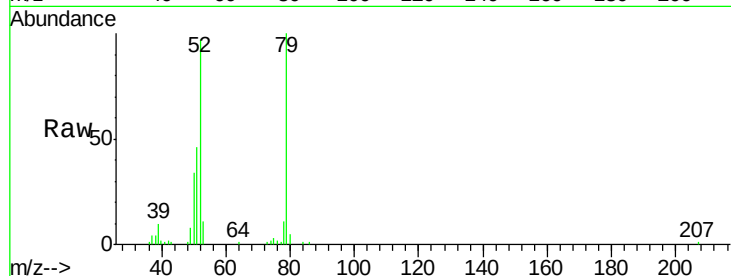
Tot Ion: 79 Resp: 187805

Ion Ratio Lower Upper

79 100

52 96.6 80.2 120.2

51 46.1 37.7 56.5



#4

n-Nitrosodimethylamine

Concen: 26.297 ng

RT: 2.93 min Scan# 143

Delta R.T. 0.02 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

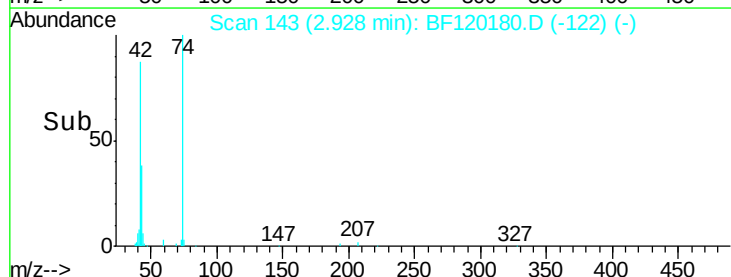
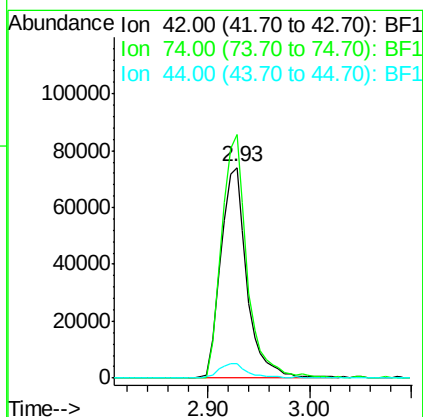
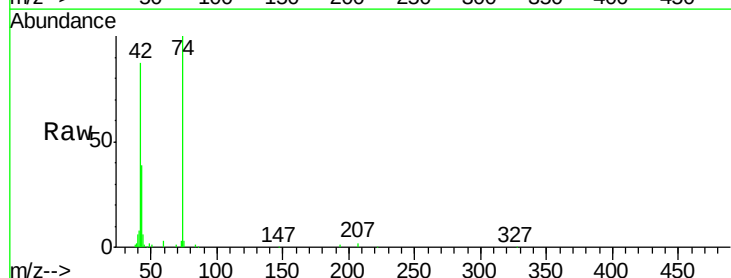
Tgt Ion: 42 Resp: 132755

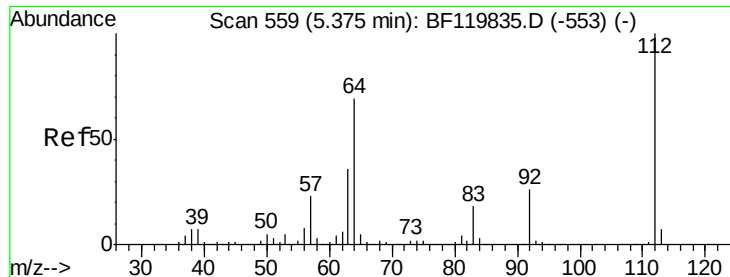
Ion Ratio Lower Upper

42 100

74 115.5 91.5 137.3

44 7.1 6.2 9.4





#5

2-Fluorophenol

Concen: 86.351 ng

RT: 5.27 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

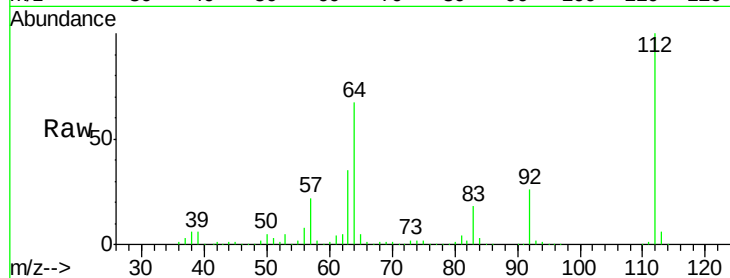
Tot Ion:112 Resp: 698183

Ion Ratio Lower Upper

112 100

64 66.9 56.7 85.1

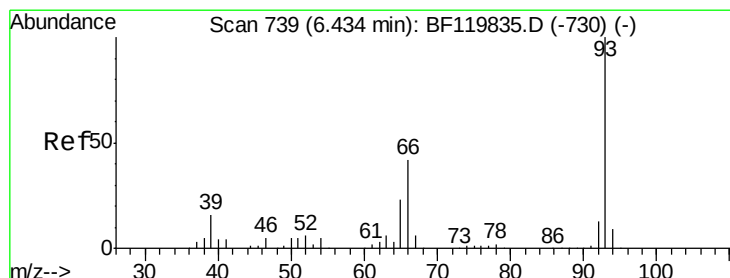
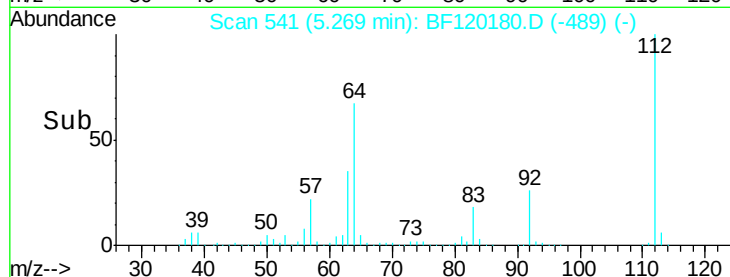
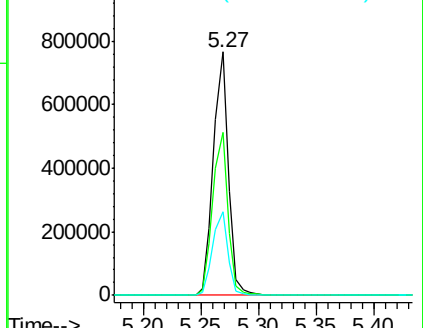
63 34.6 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 23.996 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

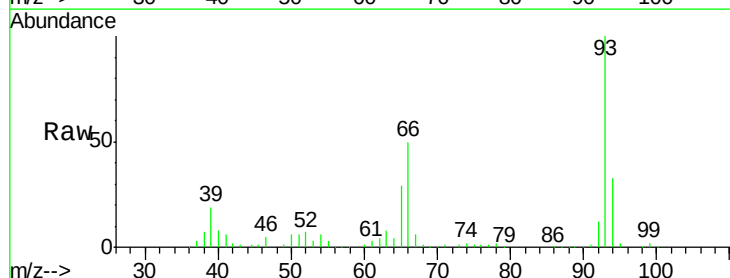
Tgt Ion: 93 Resp: 328123

Ion Ratio Lower Upper

93 100

66 50.3 34.9 52.3

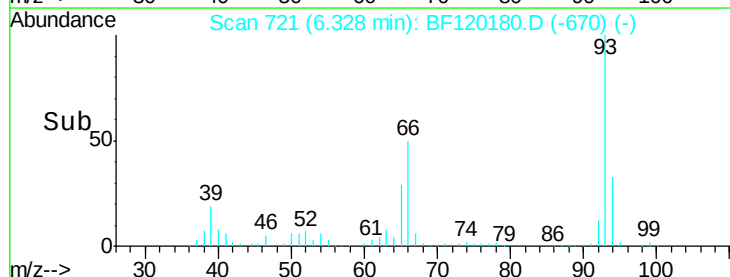
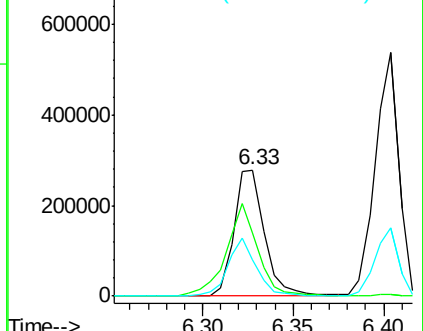
65 28.8 18.6 27.8#

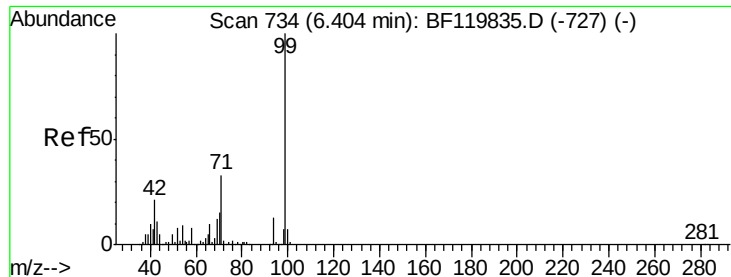


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 54.660 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

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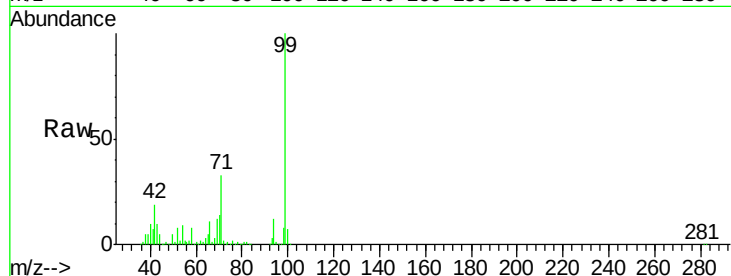
Tot Ion: 99 Resp: 569471

Ion Ratio Lower Upper

99 100

42 19.1 16.6 24.8

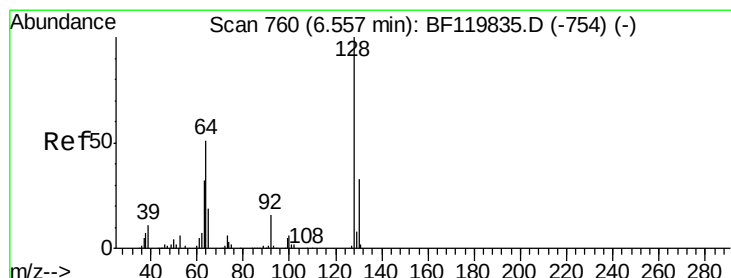
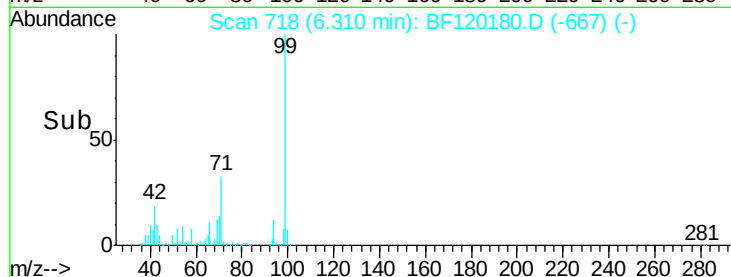
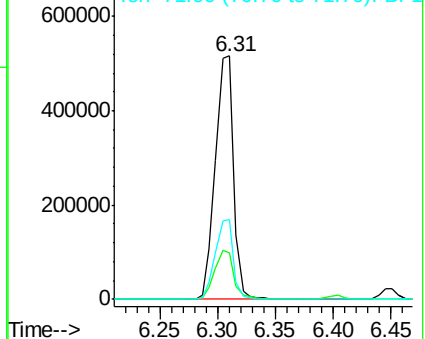
71 32.7 26.4 39.6



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: 48.951 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

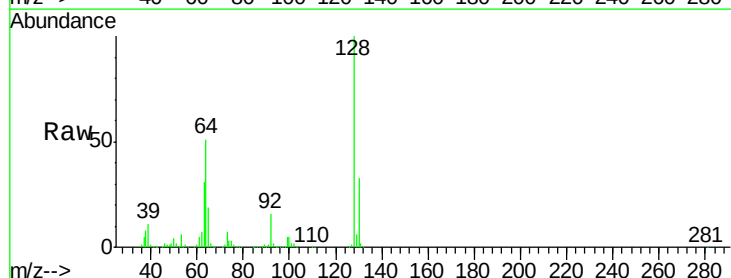
Tgt Ion: 128 Resp: 442225

Ion Ratio Lower Upper

128 100

130 33.2 12.6 52.6

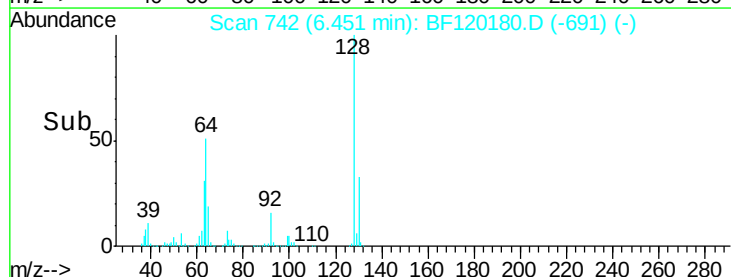
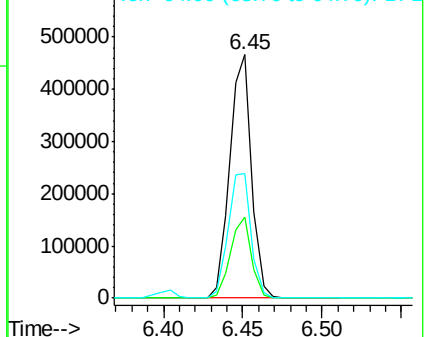
64 51.3 35.3 75.3

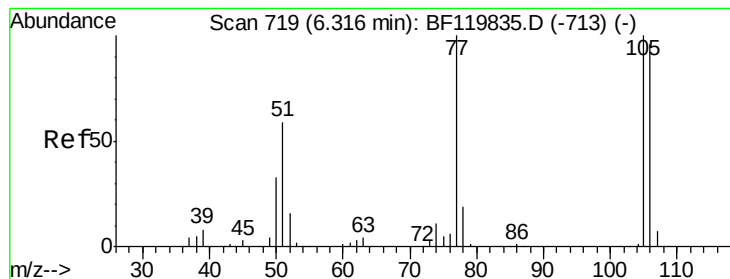


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 42.843 ng

RT: 6.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

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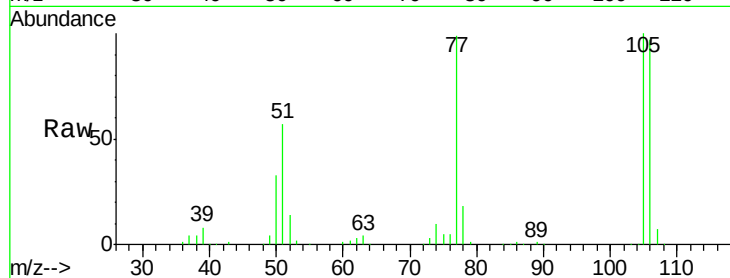
Tot Ion: 77 Resp: 232290

Ion Ratio Lower Upper

77 100

105 100.9 80.9 120.9

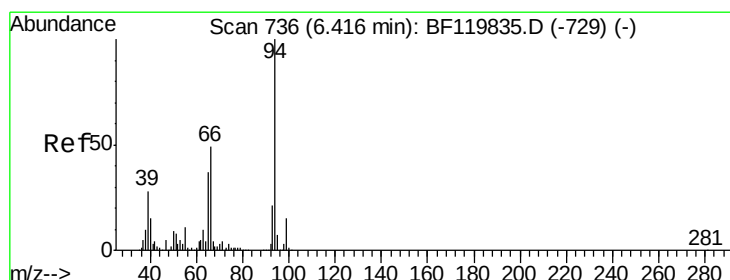
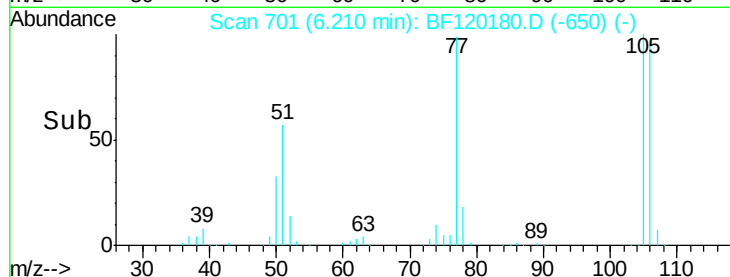
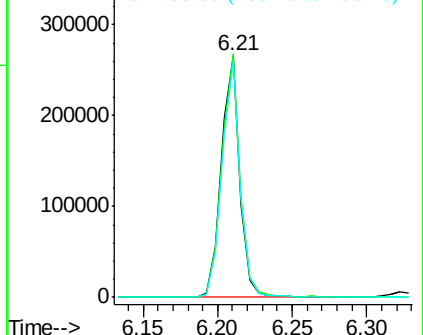
106 97.8 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 20.058 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

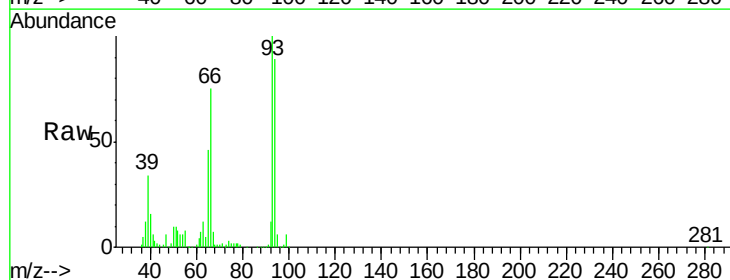
Tgt Ion: 94 Resp: 237083

Ion Ratio Lower Upper

94 100

65 51.6 13.2 53.2

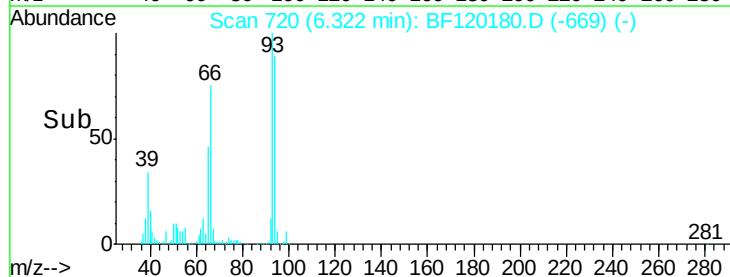
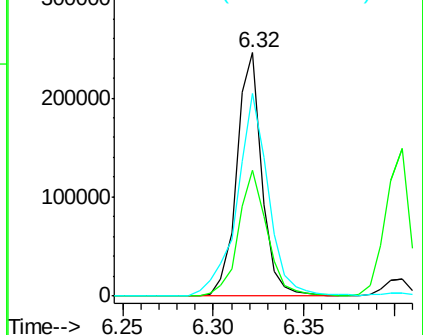
66 83.4 22.3 62.3#

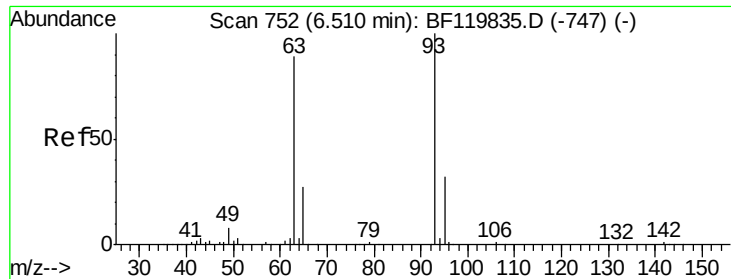


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

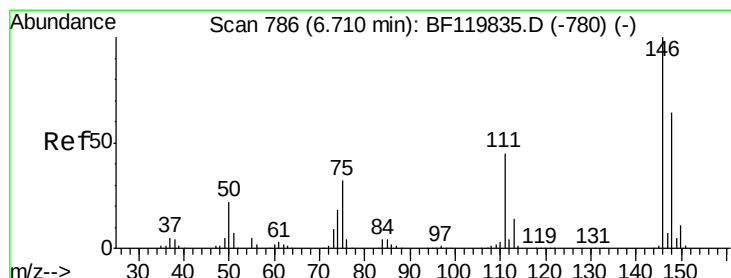
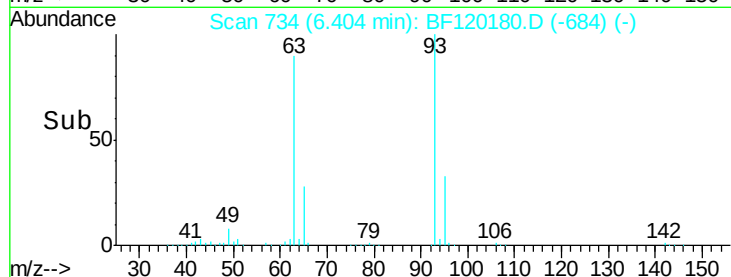
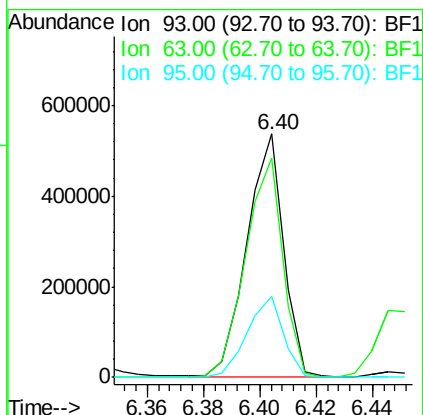
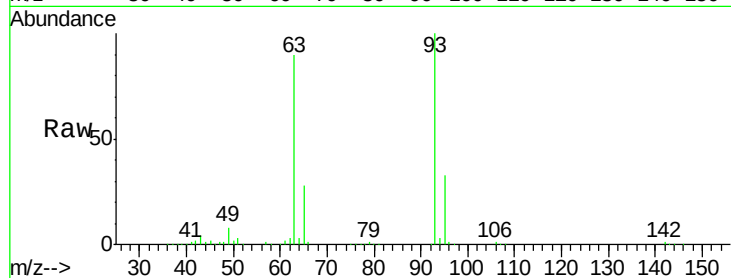




#11
bis(2-Chloroethyl)ether
Concen: 53.025 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

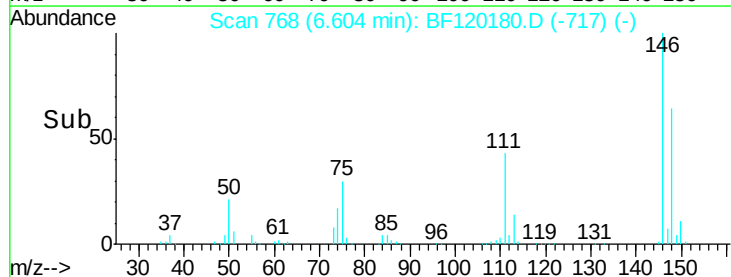
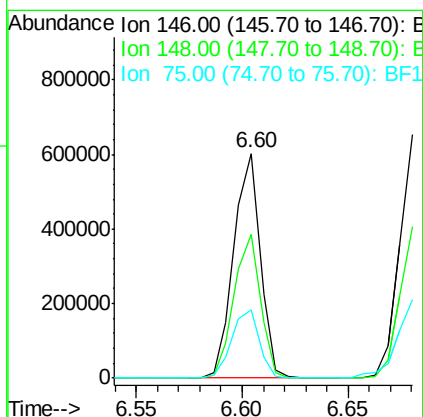
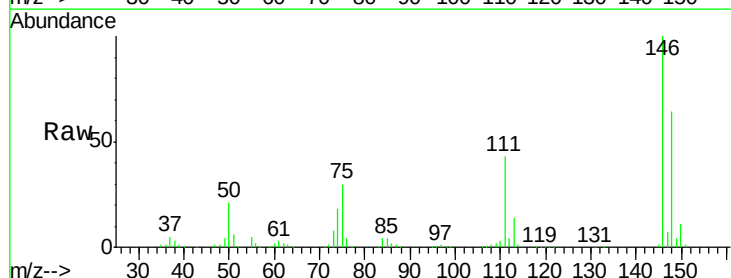
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

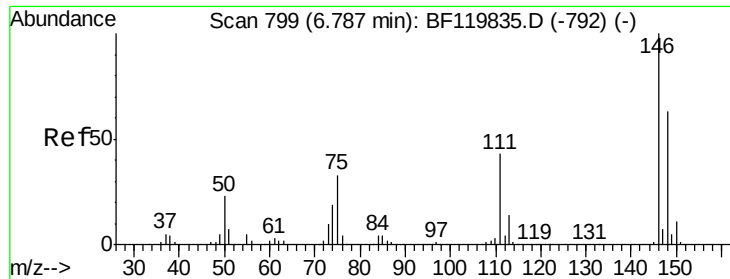
Tot Ion: 93 Resp: 483915
Ion Ratio Lower Upper
93 100
63 89.9 70.2 110.2
95 33.3 13.4 53.4



#12
1,3-Dichlorobenzene
Concen: 52.946 ng
RT: 6.60 min Scan# 768
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion: 146 Resp: 523652
Ion Ratio Lower Upper
146 100
148 64.3 52.2 78.4
75 30.4 23.0 34.4

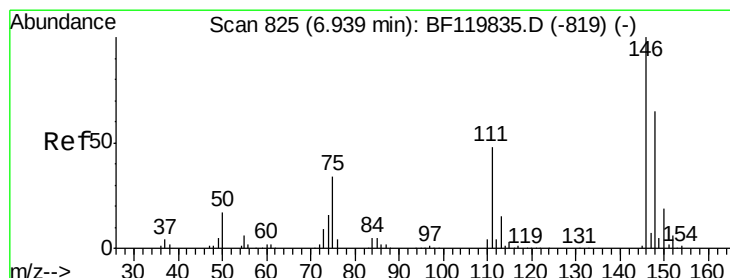
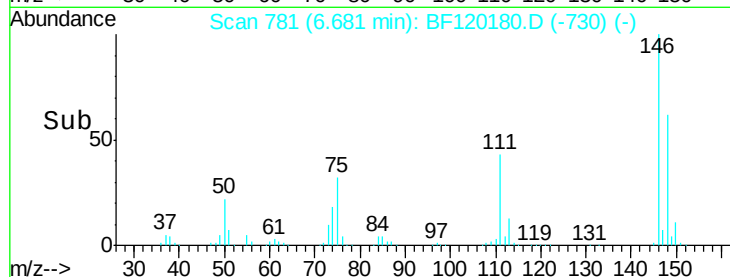
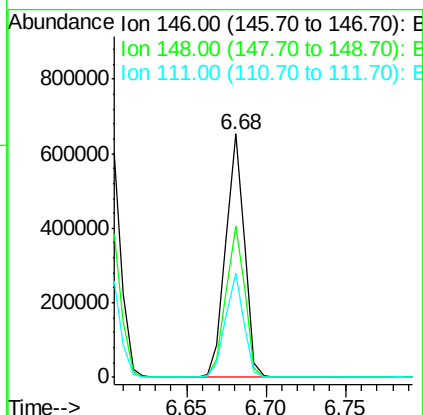
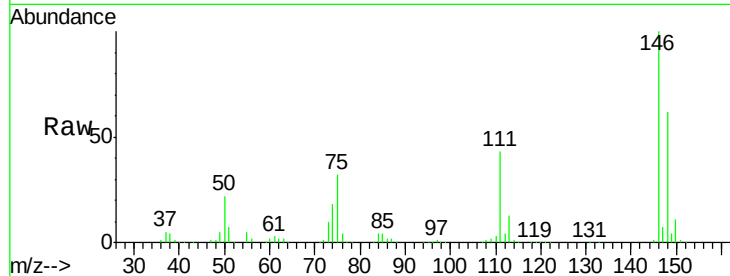




#13
 1,4-Dichlorobenzene
 Concen: 53.016 ng
 RT: 6.68 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

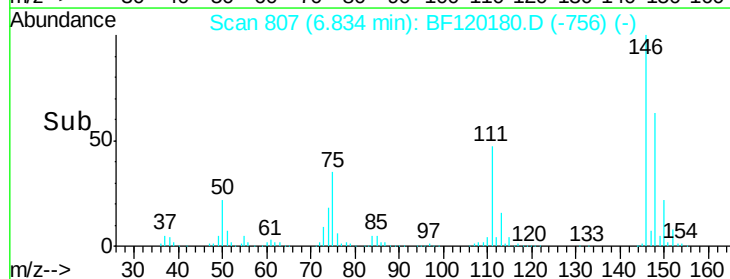
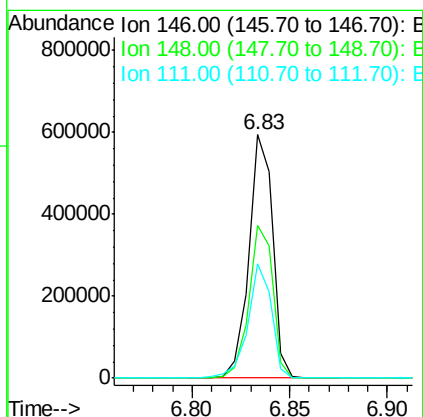
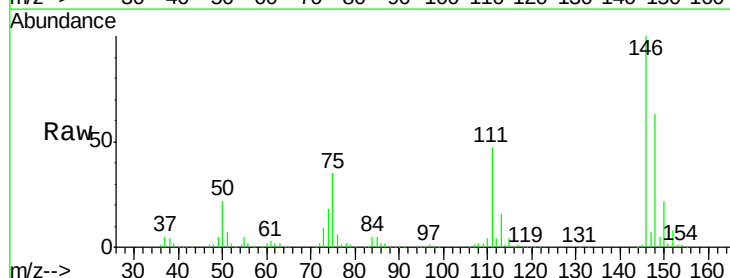
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

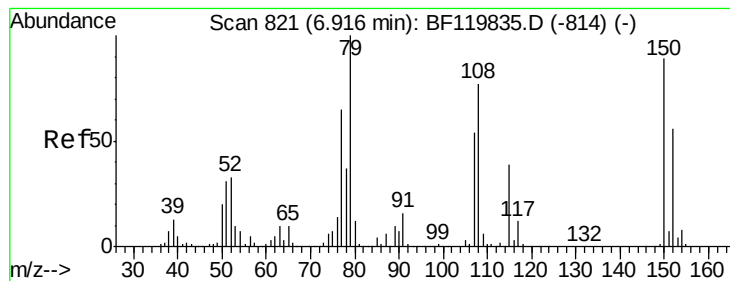
Tot Ion:146 Resp: 534131
 Ion Ratio Lower Upper
 146 100
 148 62.4 51.5 77.3
 111 42.8 33.3 49.9



#14
 1,2-Dichlorobenzene
 Concen: 53.938 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Tgt Ion:146 Resp: 500813
 Ion Ratio Lower Upper
 146 100
 148 62.7 50.6 75.8
 111 47.1 36.1 54.1





#15

Benzyl Alcohol

Concen: 37.450 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

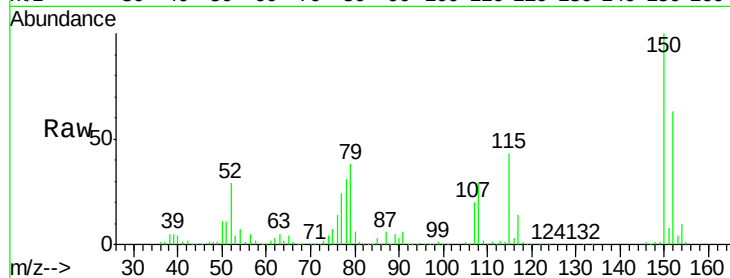
Tot Ion: 79 Resp: 303043

Ion Ratio Lower Upper

79 100

108 76.2 60.6 90.8

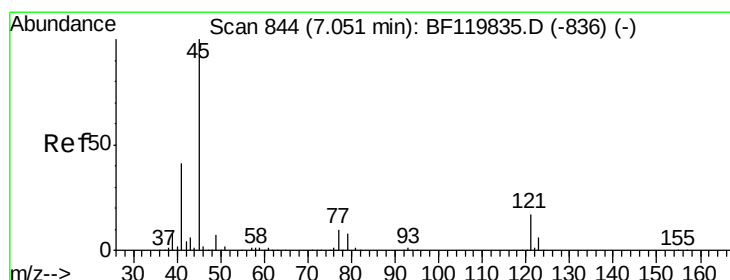
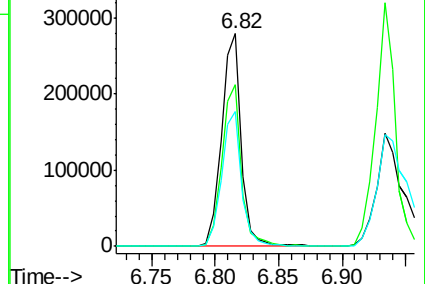
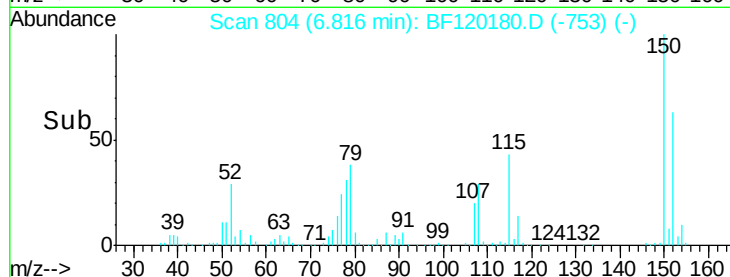
77 63.3 50.2 75.2



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.980 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.01 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

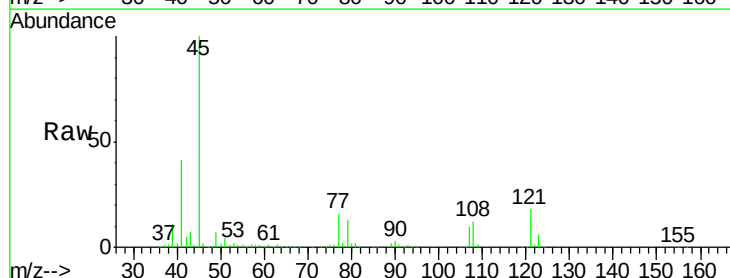
Tgt Ion: 45 Resp: 852075

Ion Ratio Lower Upper

45 100

77 16.0 0.0 30.7

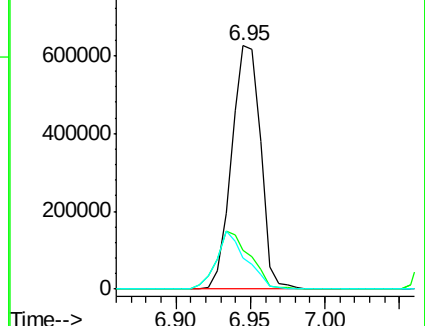
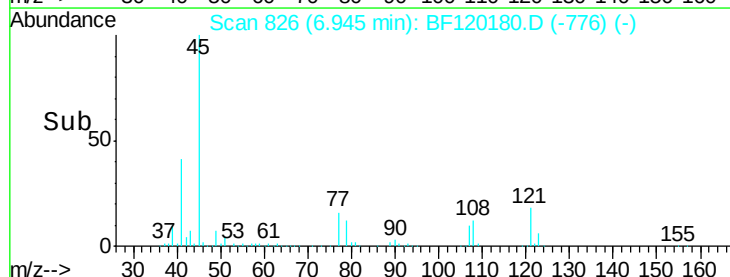
79 12.7 0.0 28.2

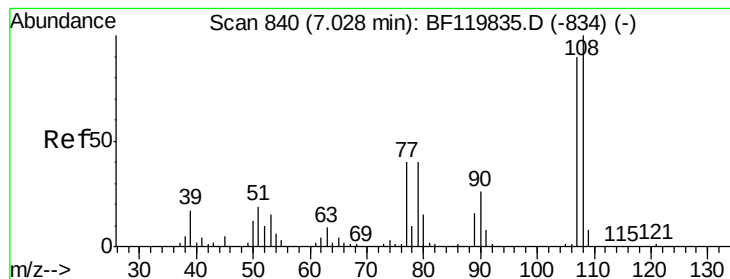


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 37.823 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

Tot Ion:107 Resp: 304933

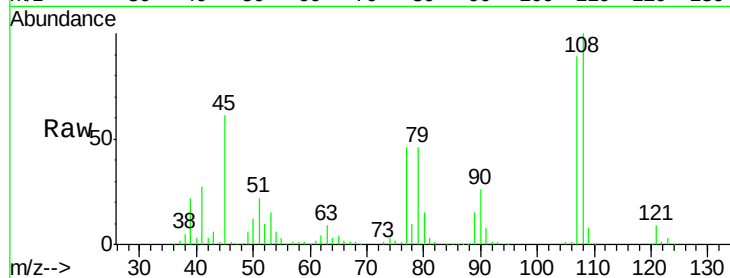
Ion Ratio Lower Upper

107 100

108 111.8 92.2 138.4

77 51.6 36.6 54.8

79 51.7 36.2 54.4

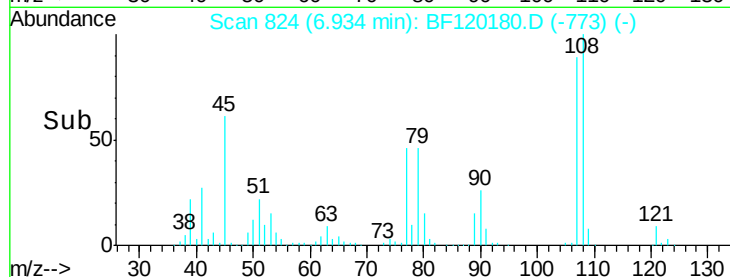


Abundance Ion 107.00 (106.70 to 107.70): E

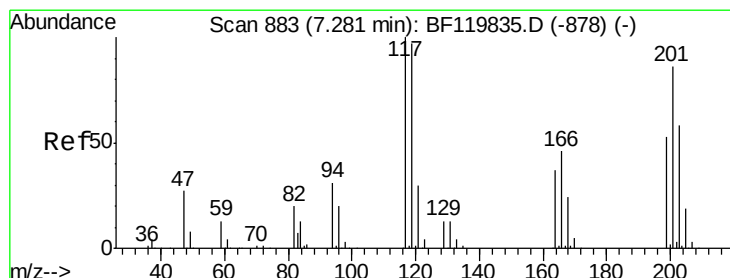
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#18

Hexachloroethane

Concen: 53.309 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

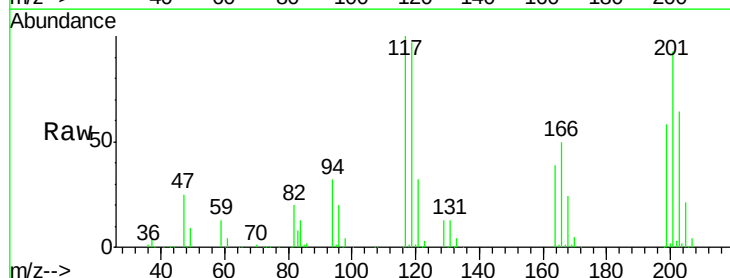
Tgt Ion:117 Resp: 200723

Ion Ratio Lower Upper

117 100

119 97.3 76.1 114.1

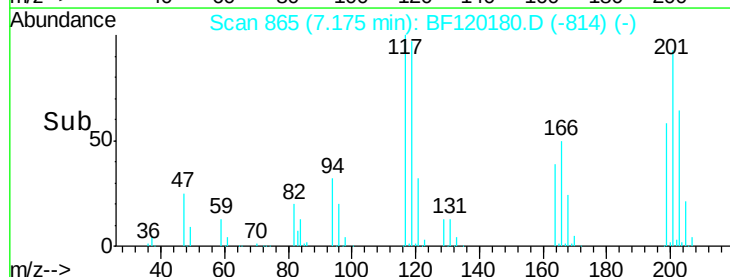
201 93.1 73.0 109.6



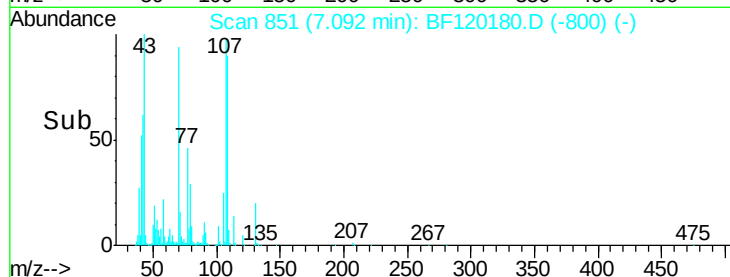
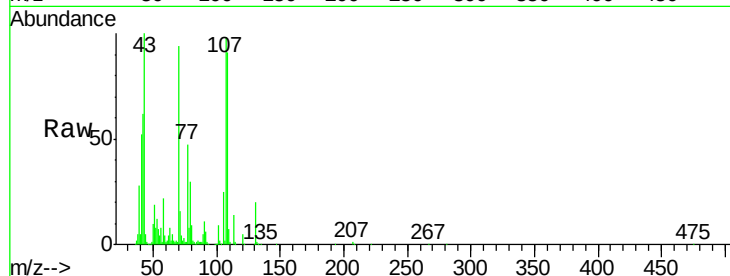
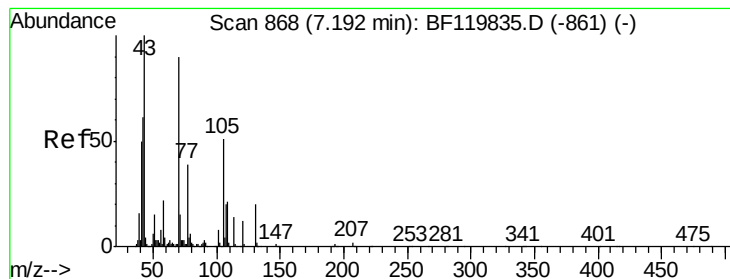
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 55.523 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

Tot Ion: 70 Resp: 371977

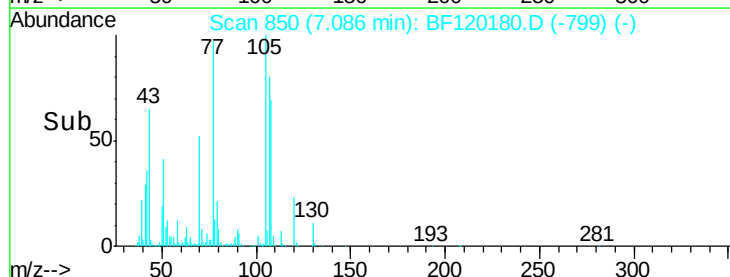
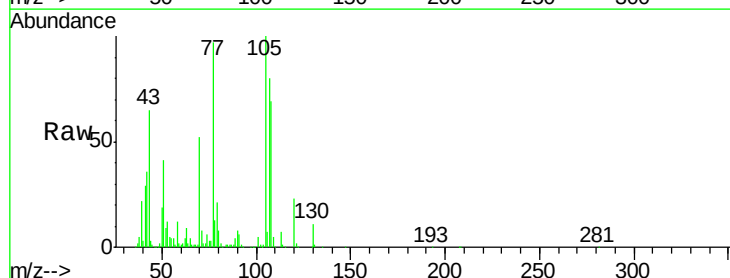
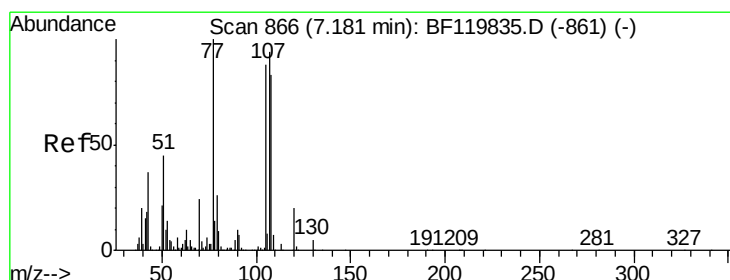
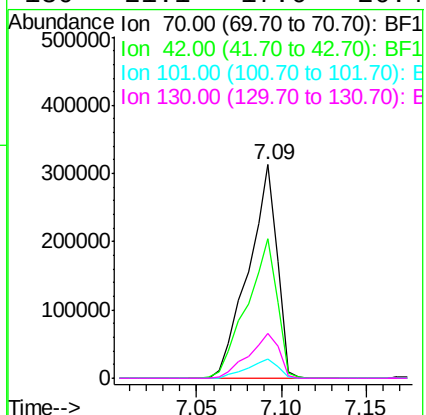
Ion Ratio Lower Upper

70 100

42 65.5 54.5 81.7

101 9.3 7.6 11.4

130 21.1 17.6 26.4



#20

3+4-Methylphenols

Concen: 35.057 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Tgt Ion: 107 Resp: 345669

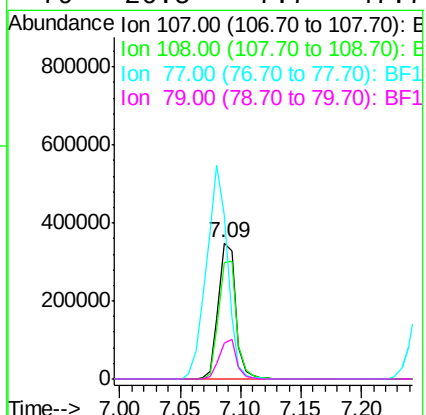
Ion Ratio Lower Upper

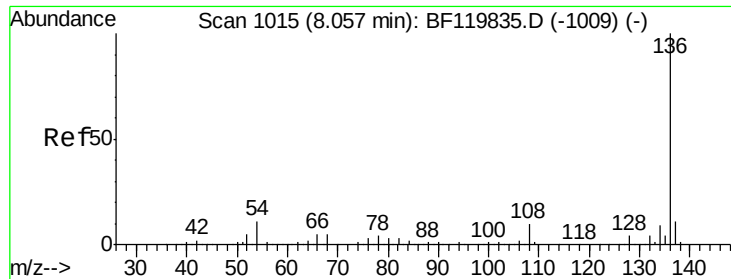
107 100

108 86.0 67.9 107.9

77 120.6 52.9 92.9#

79 26.5 7.7 47.7

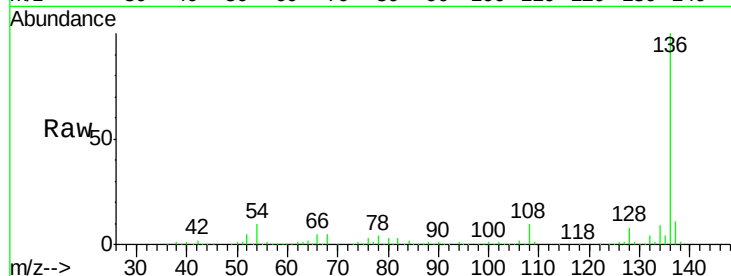




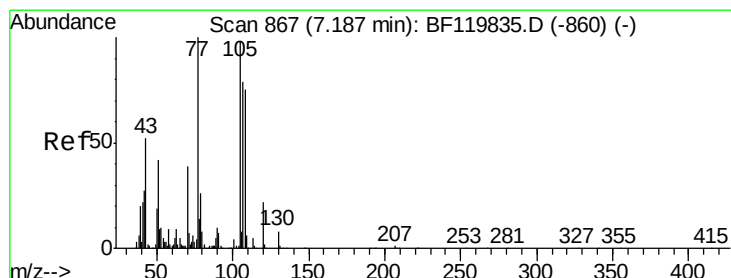
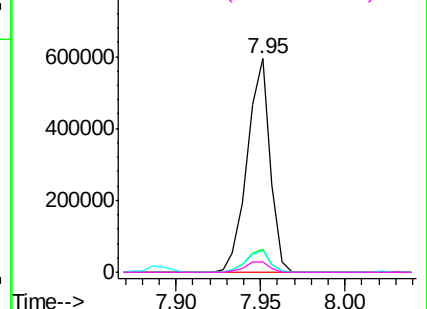
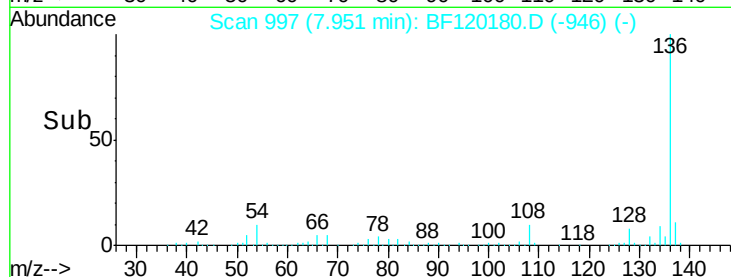
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

Tot Ion:136	Resp:	562423
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.7 13.1
54	10.0	9.1 13.7
68	5.1	4.6 6.8

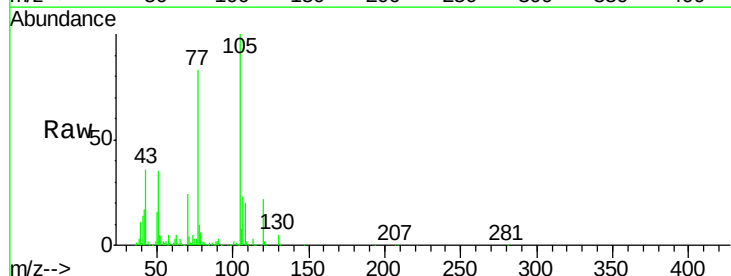


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

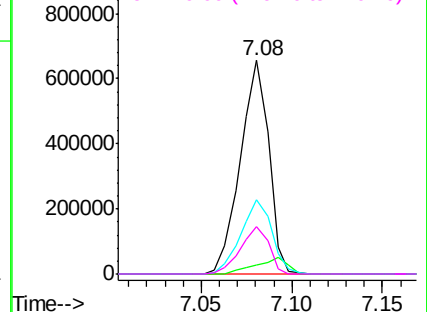
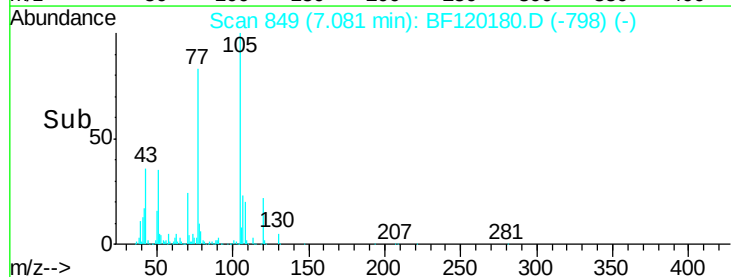


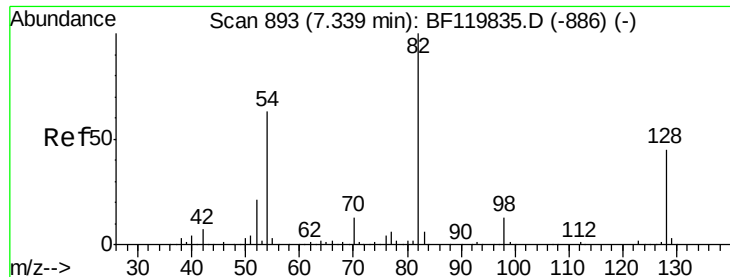
#22
Acetophenone
Concen: 54.290 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion:105	Resp:	715007
Ion Ratio	Lower	Upper
105	100	
71	4.0	5.7 8.5#
51	34.7	26.2 39.4
120	22.4	18.3 27.5



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

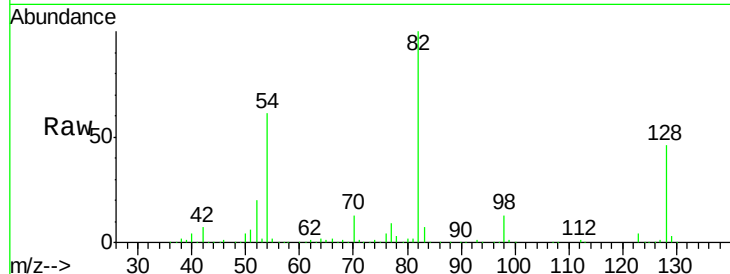




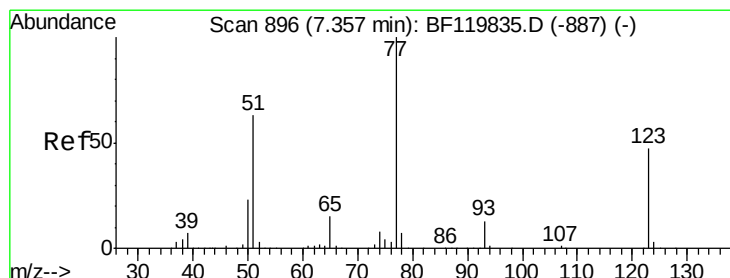
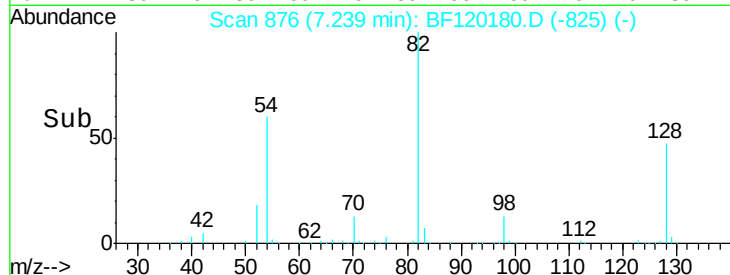
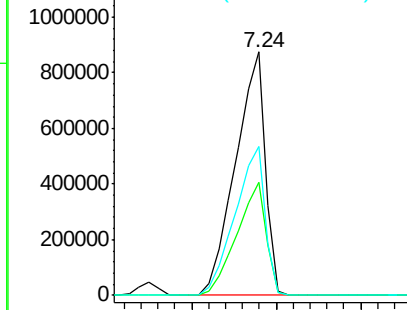
#23
 Nitrobenzene-d5
 Concen: 98.788 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

Tot Ion: 82 Resp: 1073973
 Ion Ratio Lower Upper
 82 100
 128 46.4 36.3 54.5
 54 61.3 50.6 75.8

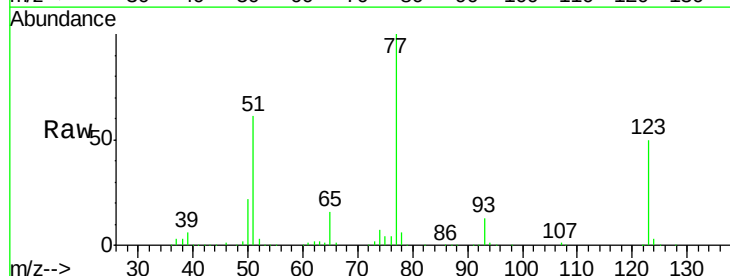


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

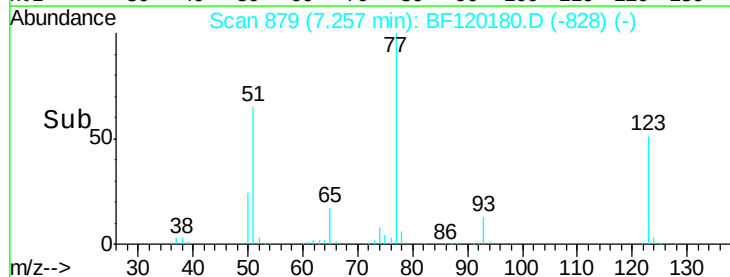
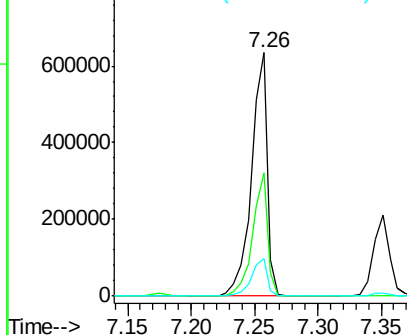


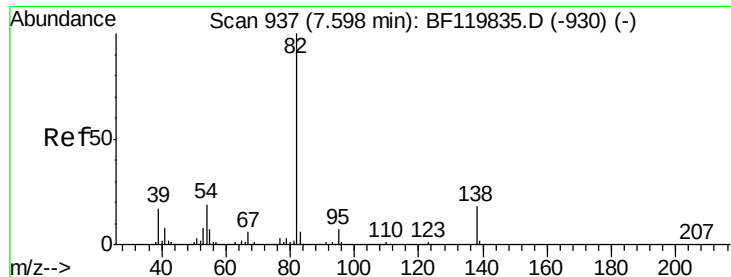
#24
 Nitrobenzene
 Concen: 50.697 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Tgt Ion: 77 Resp: 554439
 Ion Ratio Lower Upper
 77 100
 123 50.4 38.0 57.0
 65 15.6 12.6 18.8



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: 49.078 ng

RT: 7.50 min Scan# 920

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

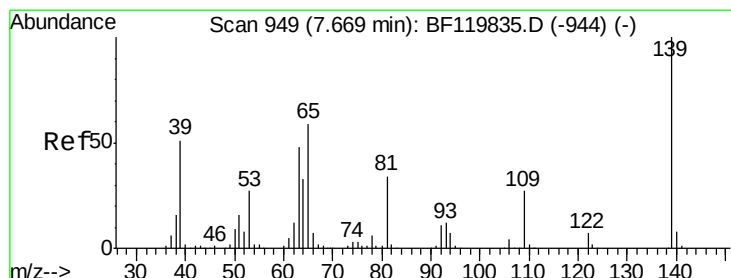
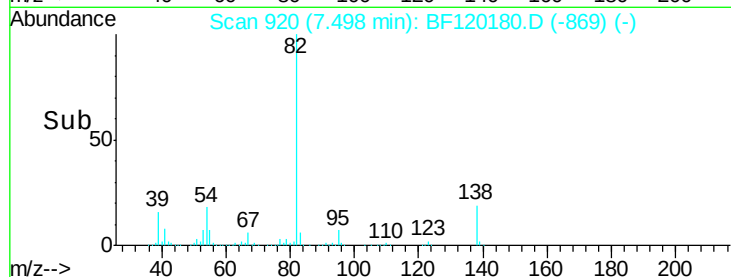
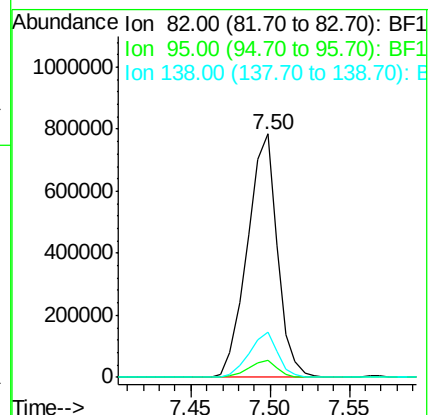
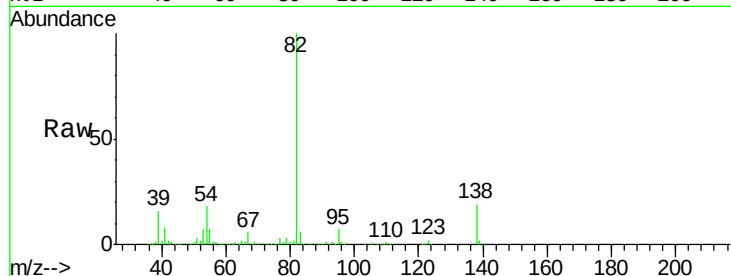
Tot Ion: 82 Resp: 1028527

Ion Ratio Lower Upper

82 100

95 7.0 5.8 8.6

138 18.6 14.6 21.8



#26

2-Nitrophenol

Concen: 50.633 ng

RT: 7.57 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

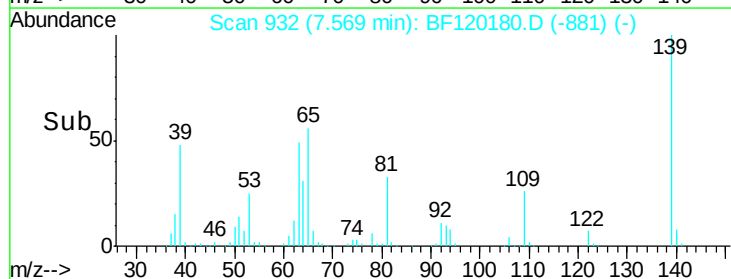
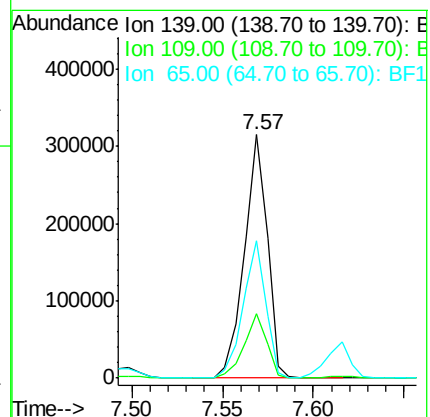
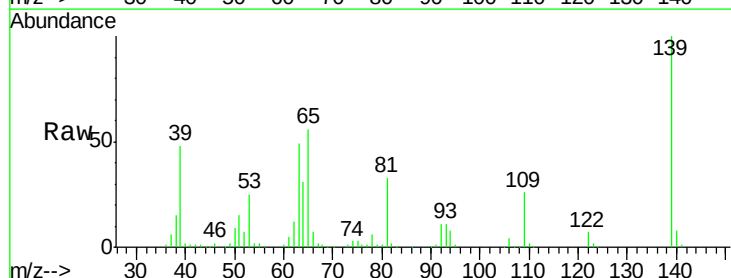
Tgt Ion: 139 Resp: 276647

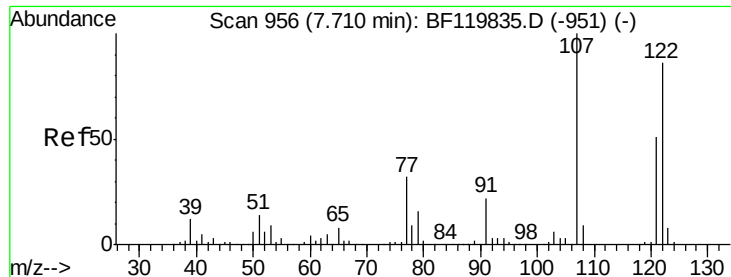
Ion Ratio Lower Upper

139 100

109 26.3 22.1 33.1

65 56.5 49.2 73.8

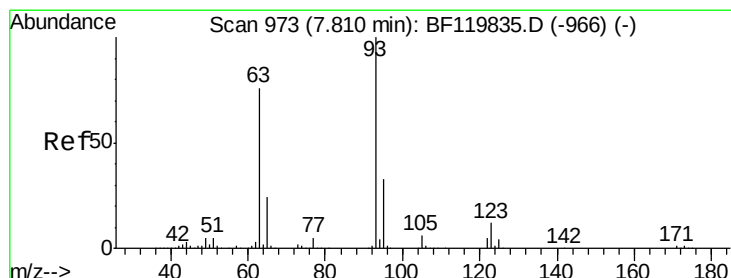
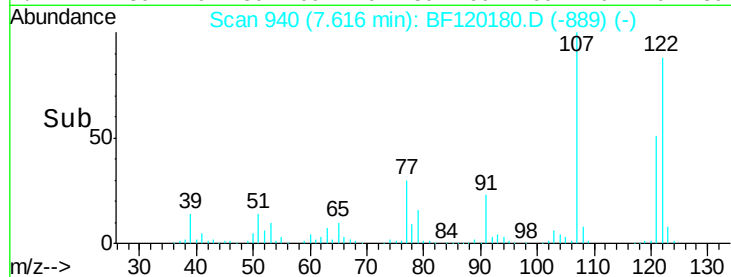
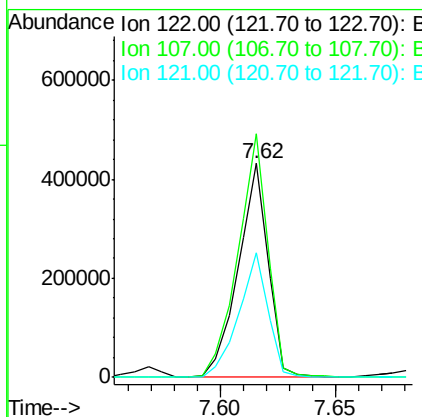
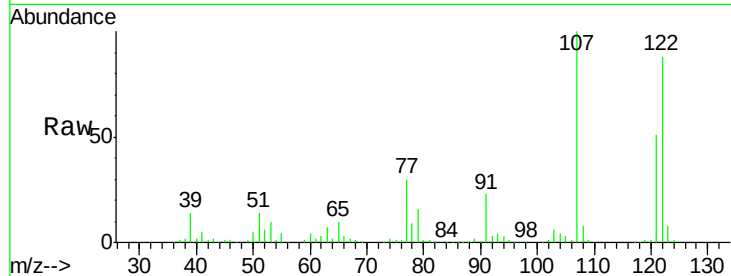




#27
 2,4-Dimethylphenol
 Concen: 47.498 ng
 RT: 7.62 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

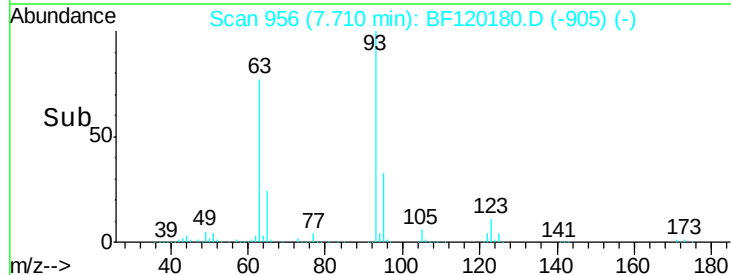
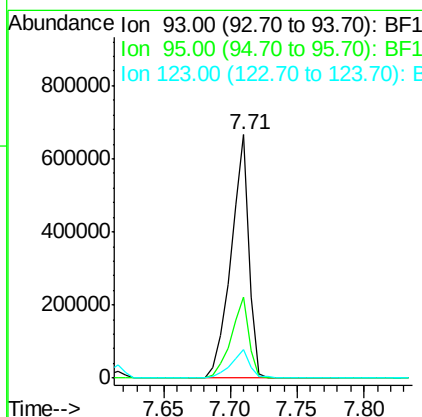
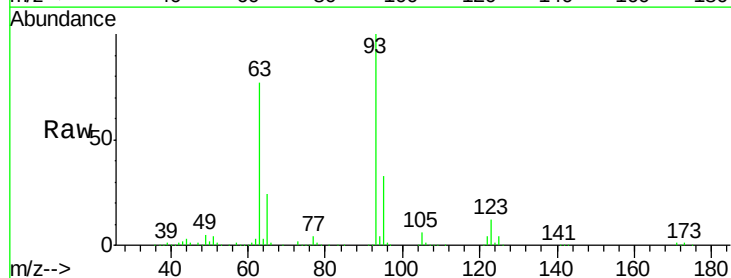
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

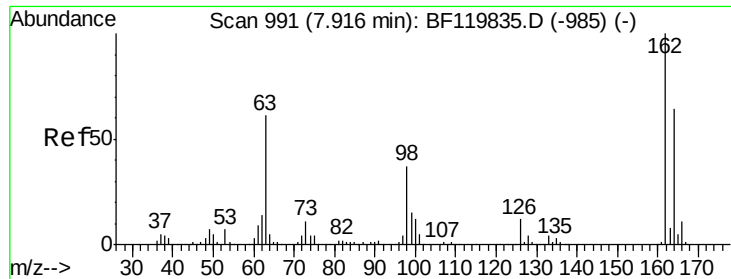
Tot Ion:122 Resp: 391403
 Ion Ratio Lower Upper
 122 100
 107 113.8 89.0 133.6
 121 58.3 46.7 70.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 51.001 ng
 RT: 7.71 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Tgt Ion: 93 Resp: 628949
 Ion Ratio Lower Upper
 93 100
 95 33.4 26.3 39.5
 123 11.5 9.7 14.5

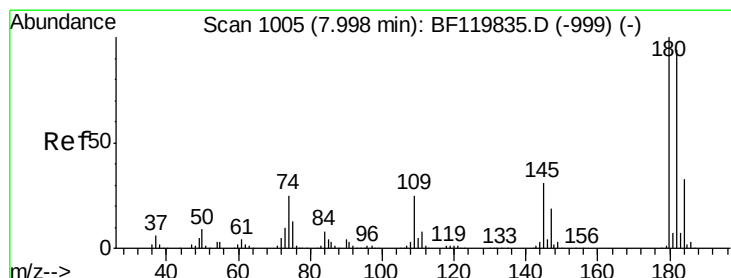
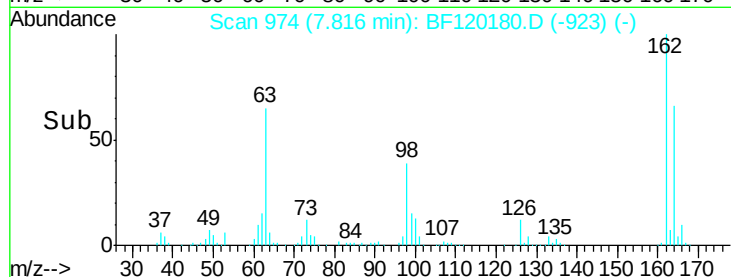
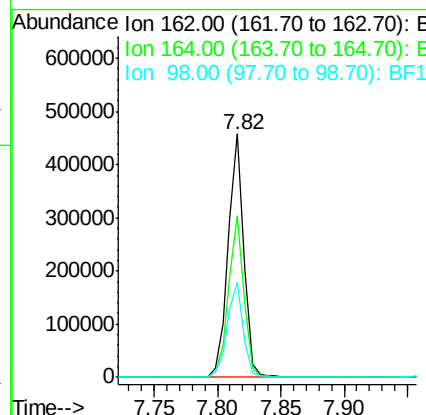
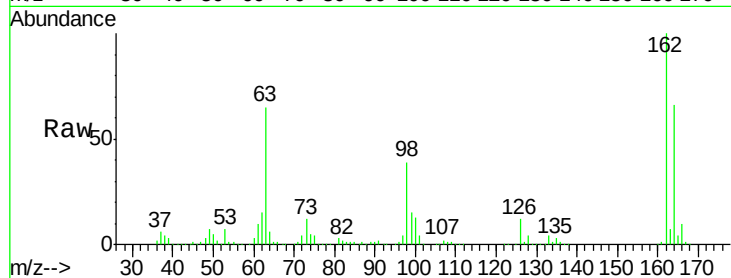




#29
2,4-Dichlorophenol
Concen: 46.771 ng
RT: 7.82 min Scan# 974
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

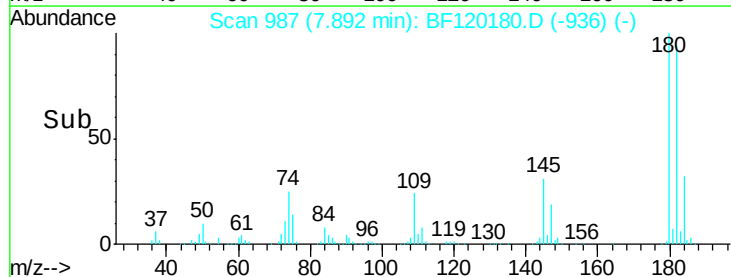
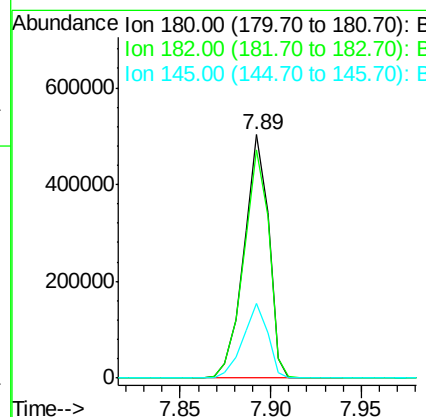
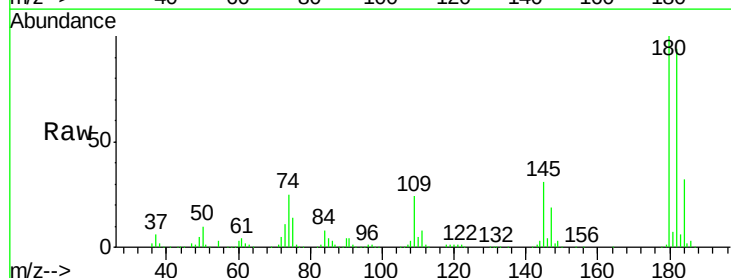
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

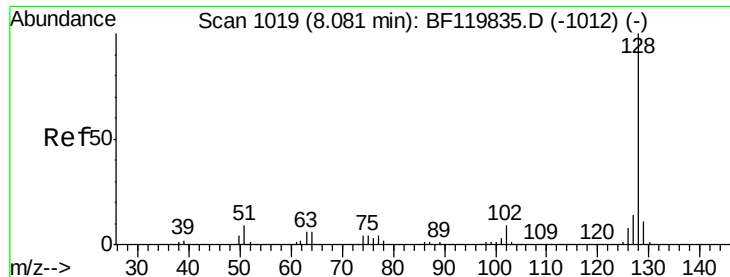
Tot Ion:162 Resp: 395057
Ion Ratio Lower Upper
162 100
164 66.2 44.7 84.7
98 39.0 20.7 60.7



#30
1,2,4-Trichlorobenzene
Concen: 49.587 ng
RT: 7.89 min Scan# 987
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion:180 Resp: 474581
Ion Ratio Lower Upper
180 100
182 93.9 74.7 112.1
145 30.9 24.5 36.7





#31

Naphthalene

Concen: 51.494 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

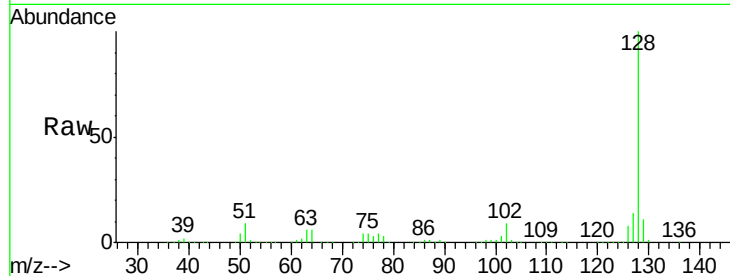
Tot Ion:128 Resp: 1523737

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

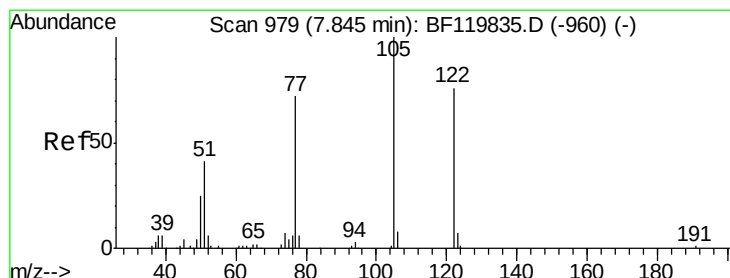
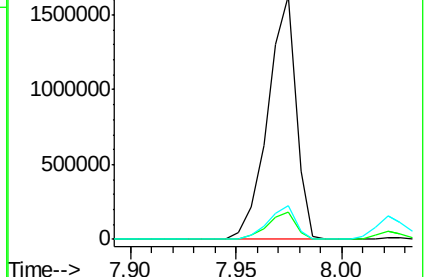
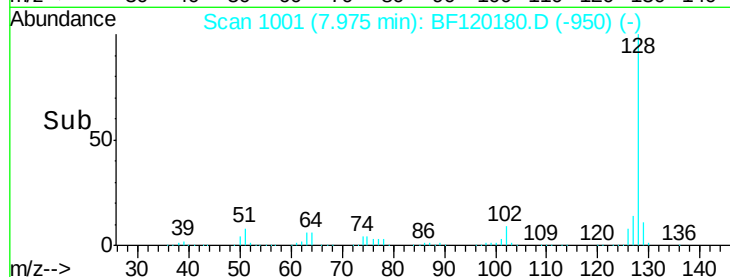
127 13.6 11.3 16.9



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: 14.705 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

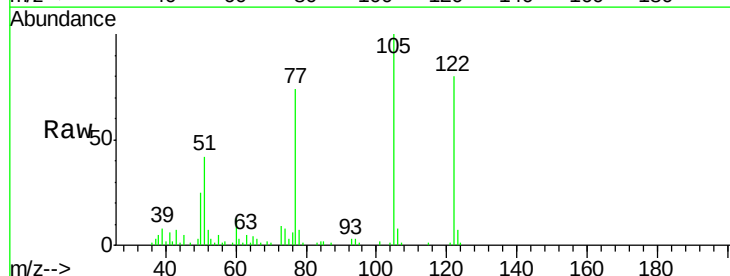
Tgt Ion:122 Resp: 106422

Ion Ratio Lower Upper

122 100

105 125.0 104.9 144.9

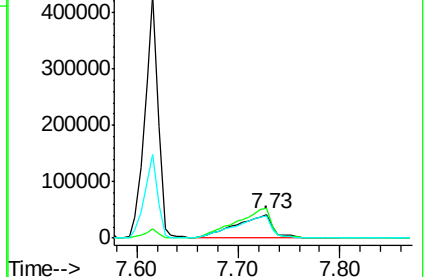
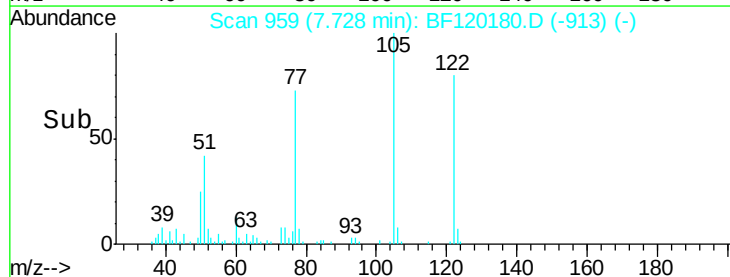
77 93.1 74.4 114.4

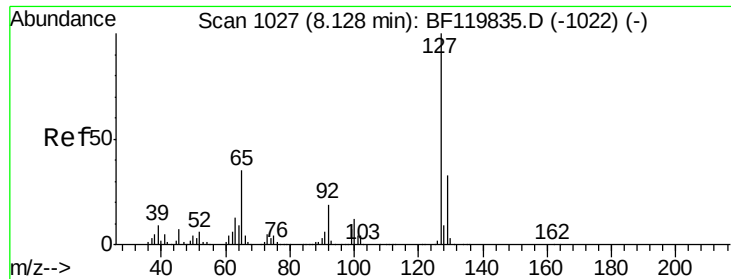


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

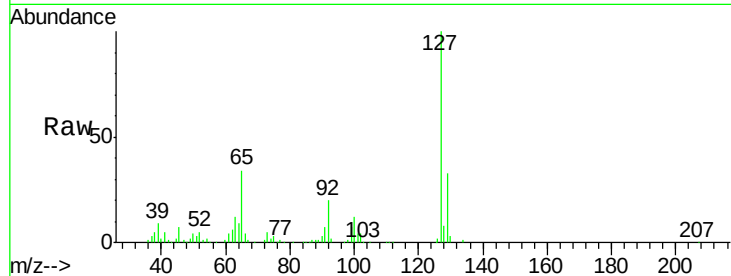




#33
4-Chloroaniline
Concen: 14.156 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

Tot Ion:127	Resp:	182355
Ion Ratio	Lower	Upper
127	100	
129	33.0	26.2 39.4
65	33.8	27.4 41.0
92	20.1	15.3 22.9

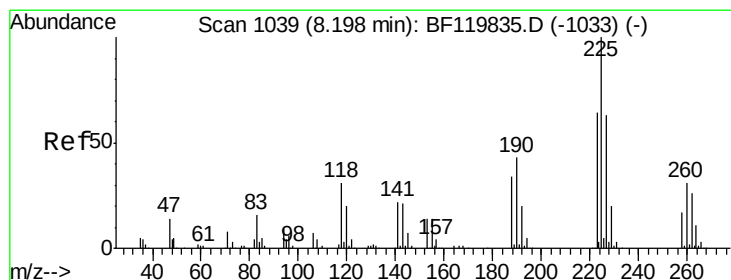
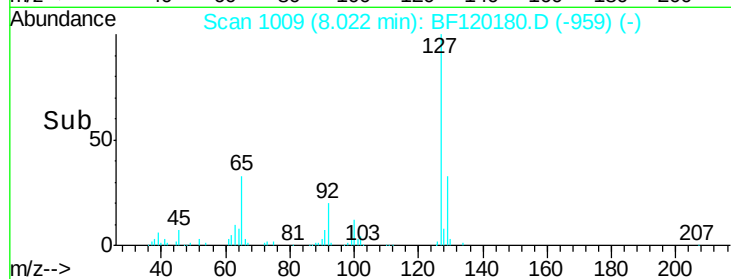
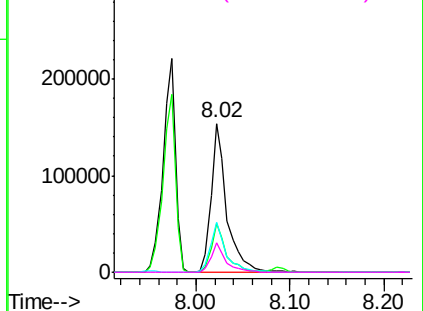


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

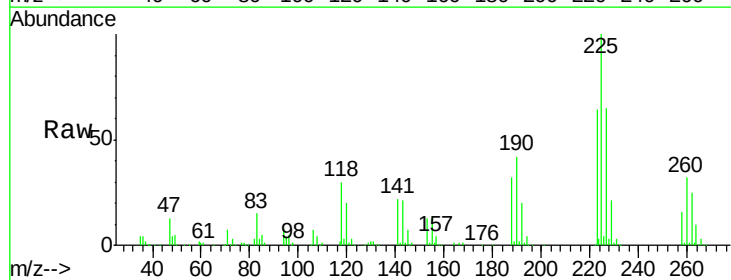
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 48.084 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

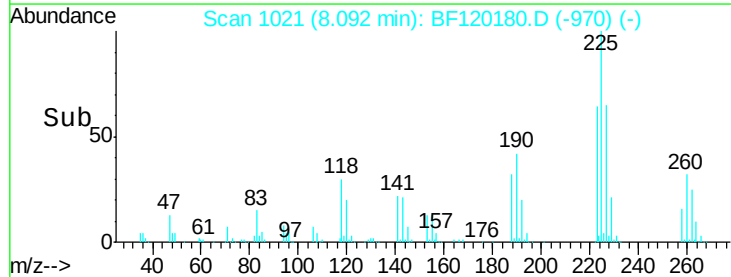
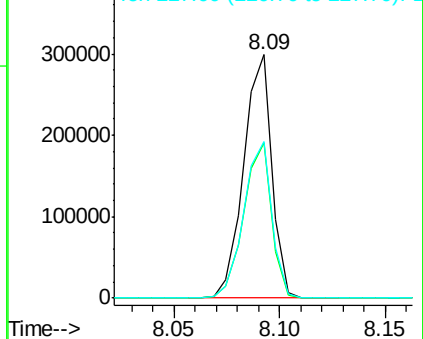
Tgt Ion:225	Resp:	275478
Ion Ratio	Lower	Upper
225	100	
223	63.8	51.0 76.6
227	64.5	50.7 76.1

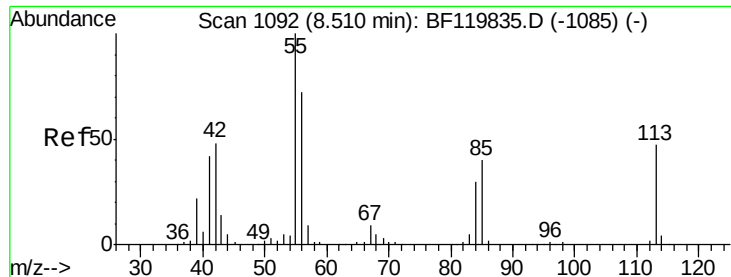


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

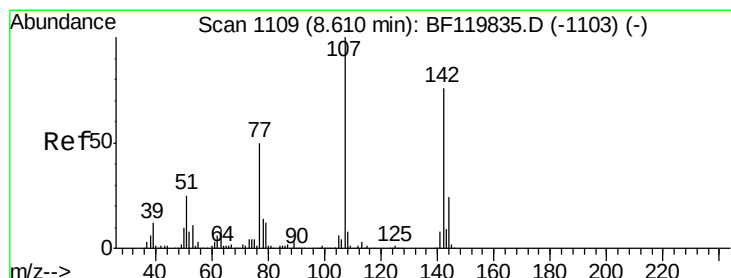
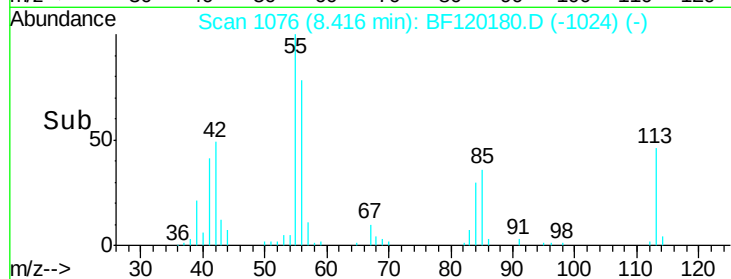
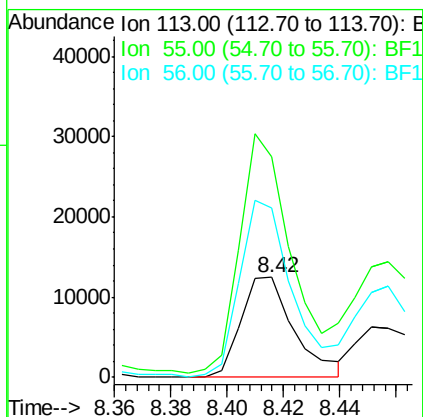
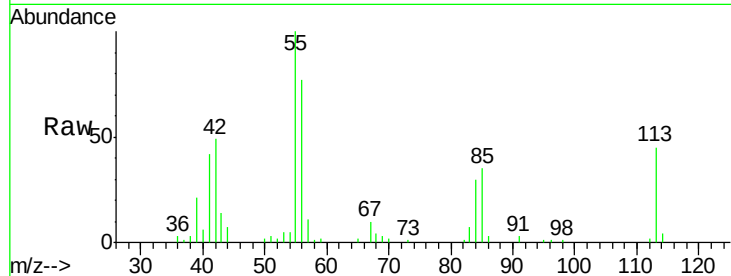




#35
 Caprolactam
 Concen: 6.372 ng
 RT: 8.42 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

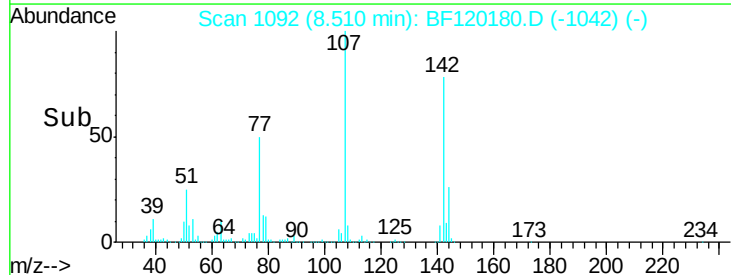
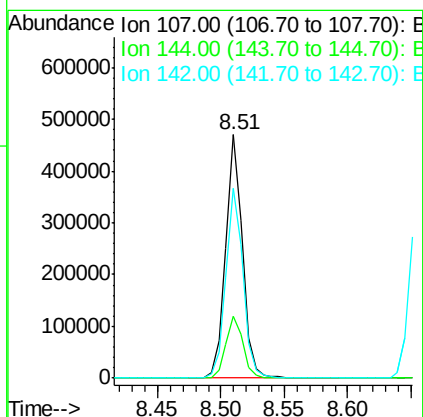
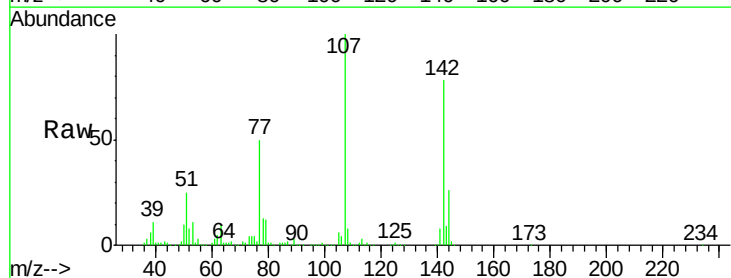
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

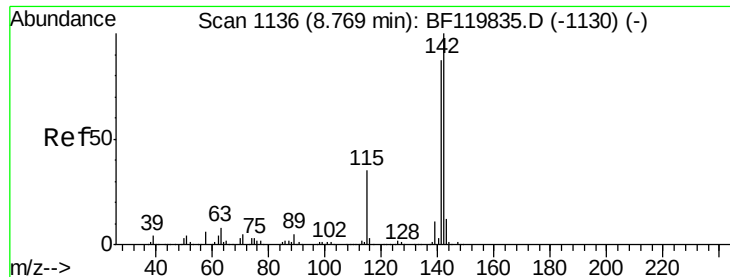
Tot Ion:113 Resp: 16463
 Ion Ratio Lower Upper
 113 100
 55 220.9 218.4 258.4
 56 170.0 148.9 188.9



#36
 4-Chloro-3-methylphenol
 Concen: 47.163 ng
 RT: 8.51 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Tgt Ion:107 Resp: 431300
 Ion Ratio Lower Upper
 107 100
 144 25.5 21.0 31.6
 142 77.9 64.4 96.6

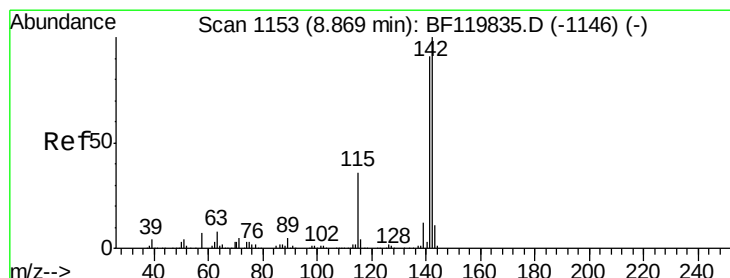
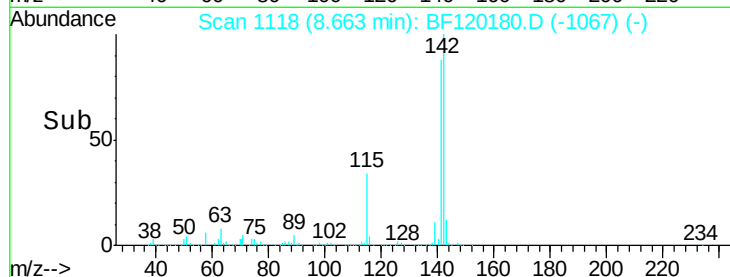
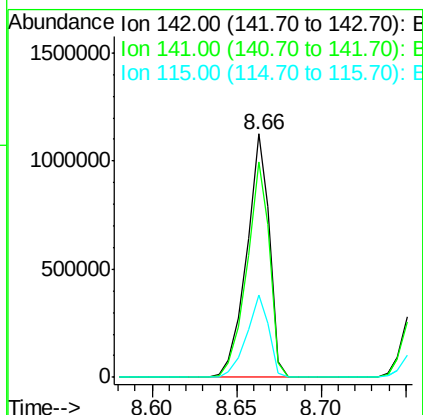
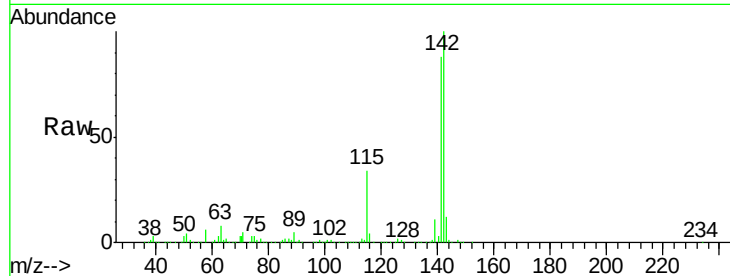




#37
2-Methylnaphthalene
Concen: 52.679 ng
RT: 8.66 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

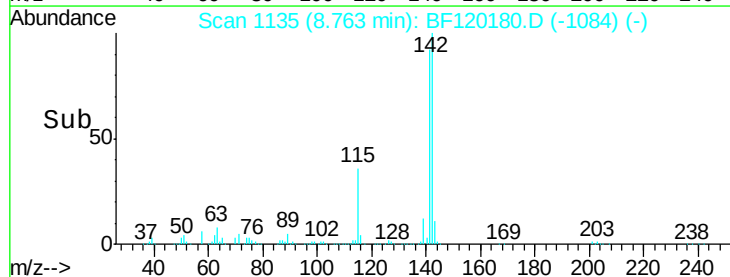
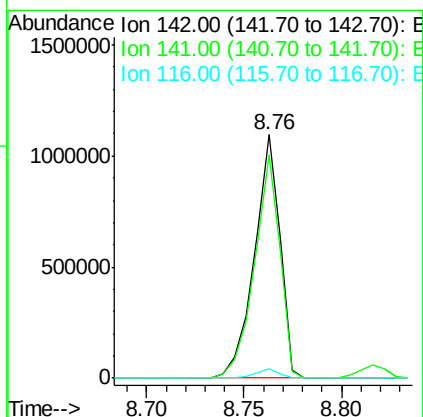
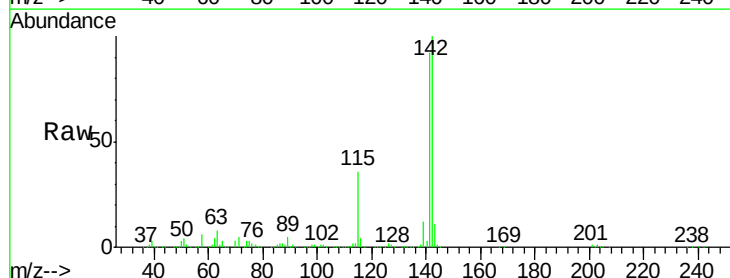
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

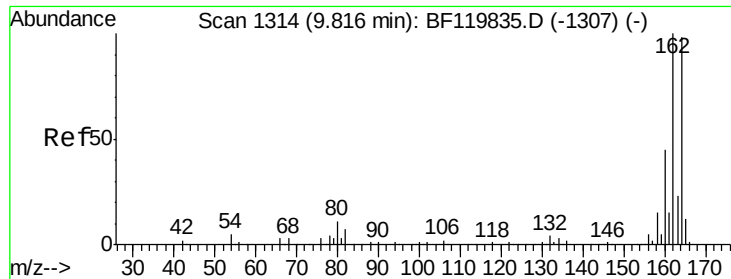
Tot Ion:142 Resp: 1056820
Ion Ratio Lower Upper
142 100
141 88.5 71.7 107.5
115 33.6 27.9 41.9



#38
1-Methylnaphthalene
Concen: 52.272 ng
RT: 8.76 min Scan# 1135
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion:142 Resp: 988401
Ion Ratio Lower Upper
142 100
141 91.9 73.7 110.5
116 3.9 3.0 4.6

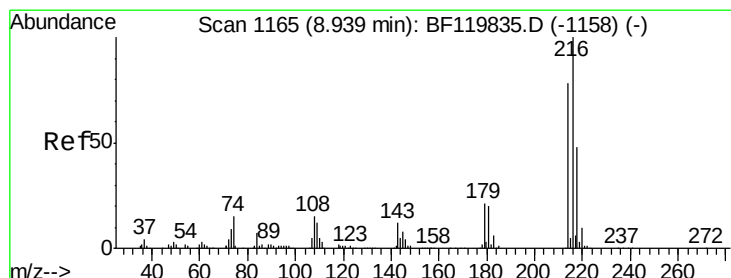
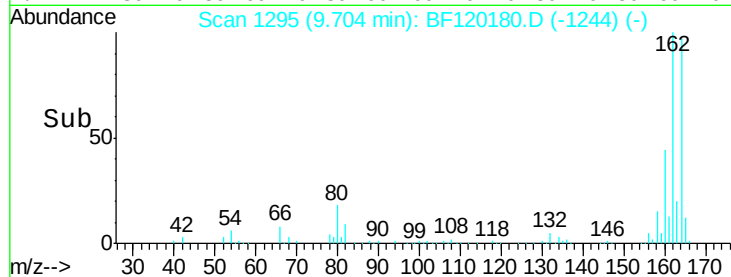
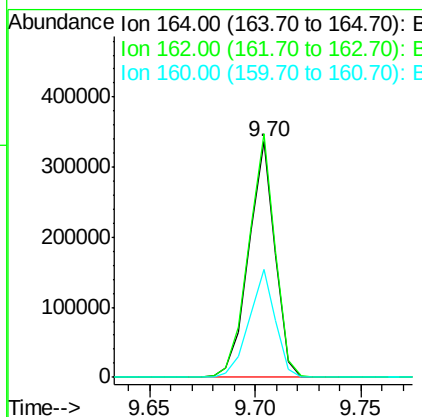
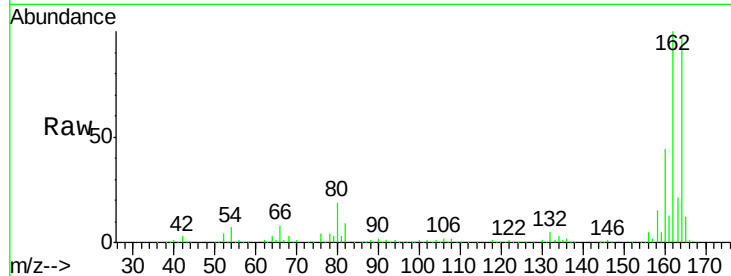




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

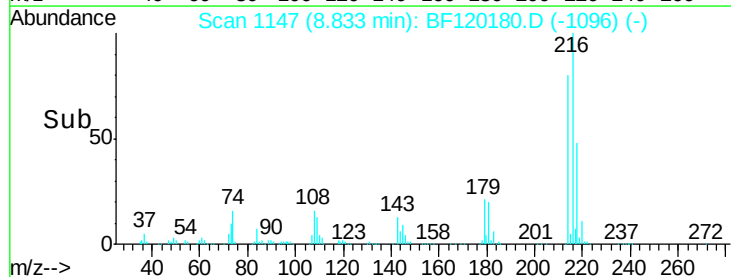
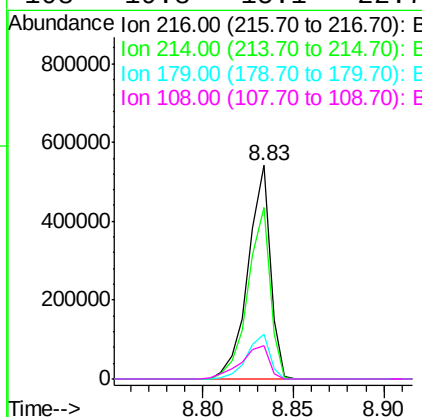
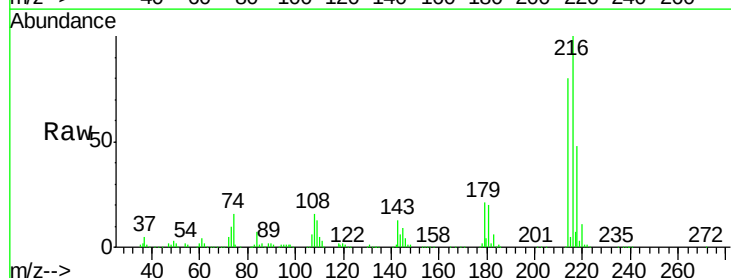
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

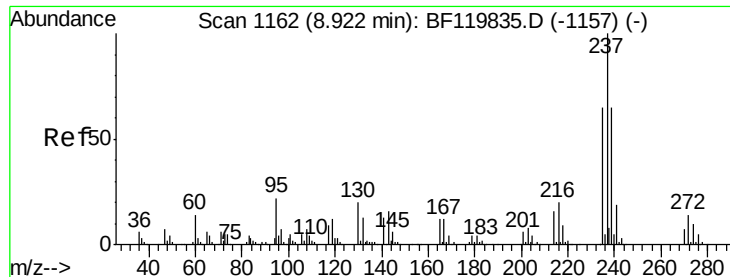
Tot Ion:164 Resp: 291751
 Ion Ratio Lower Upper
 164 100
 162 103.3 80.6 121.0
 160 45.9 35.7 53.5



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 50.165 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Tgt Ion:216 Resp: 462258
 Ion Ratio Lower Upper
 216 100
 214 80.3 63.2 94.8
 179 21.6 17.1 25.7
 108 19.8 15.1 22.7





#41

Hexachlorocyclopentadiene

Concen: 83.369 ng

RT: 8.82 min Scan# 1144

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

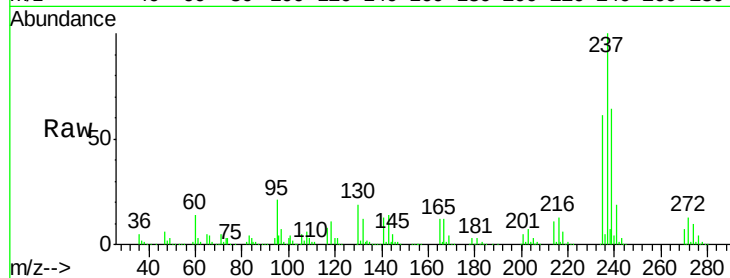
Tot Ion:237 Resp: 436839

Ion Ratio Lower Upper

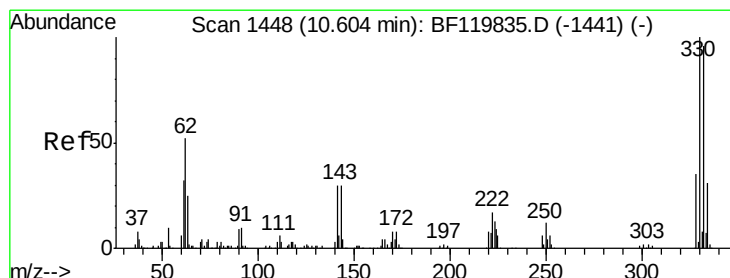
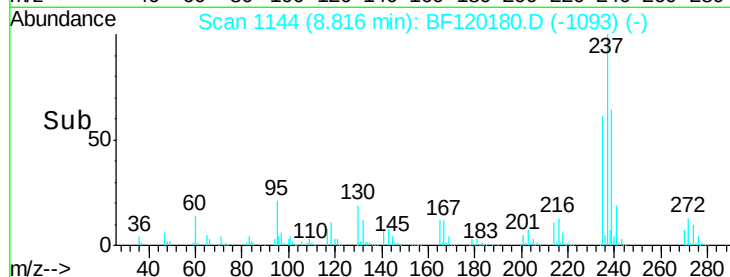
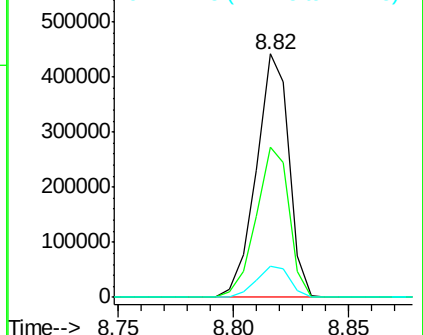
237 100

235 61.4 43.2 83.2

272 12.8 0.0 34.1



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



#42

2,4,6-Tribromophenol

Concen: 129.924 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

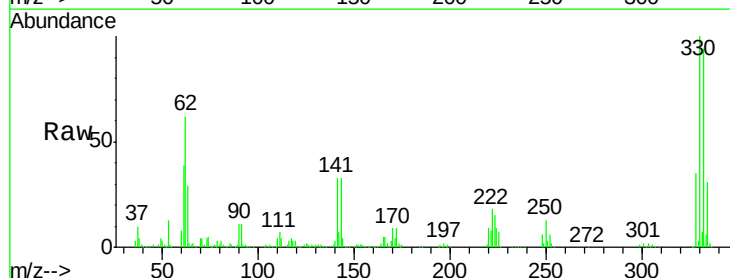
Tgt Ion:330 Resp: 464091

Ion Ratio Lower Upper

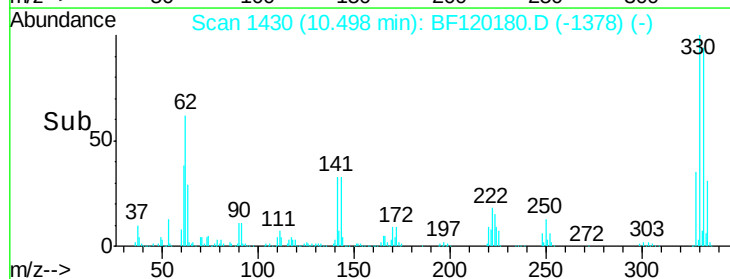
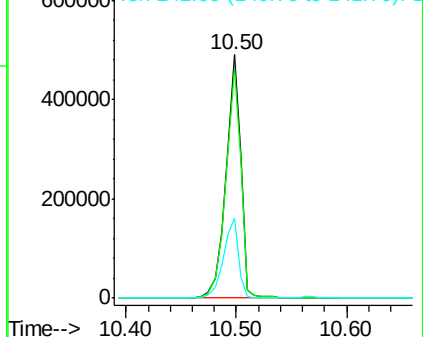
330 100

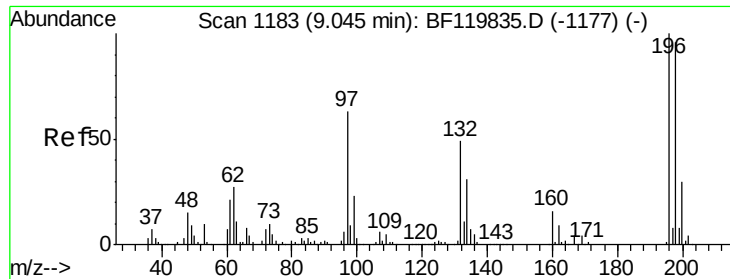
332 95.3 75.7 113.5

141 33.4 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

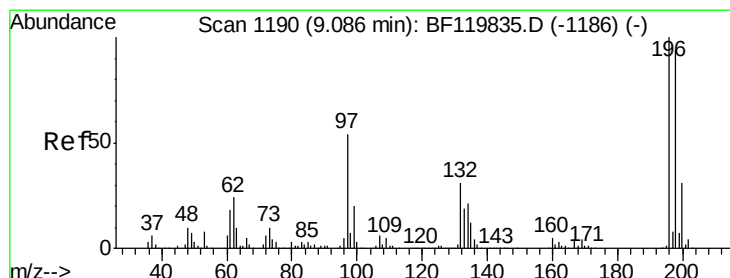
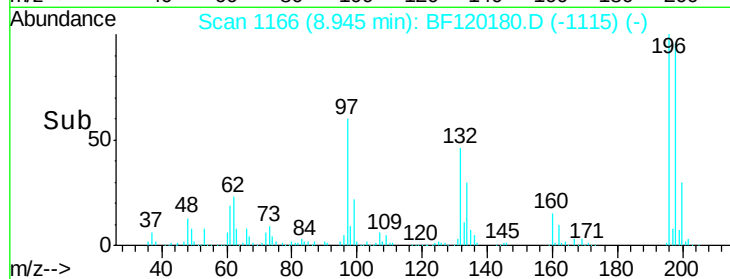
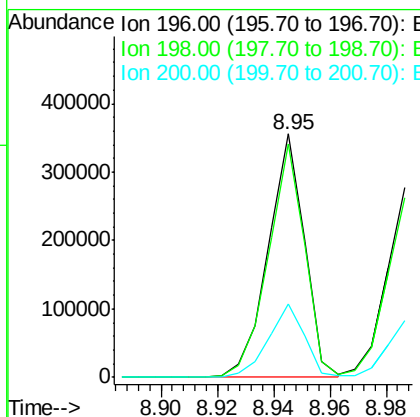
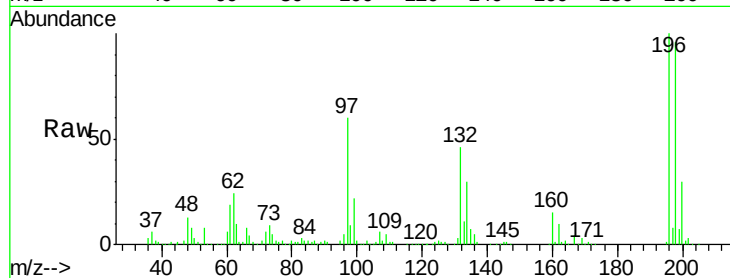




#43
 2,4,6-Trichlorophenol
 Concen: 49.768 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

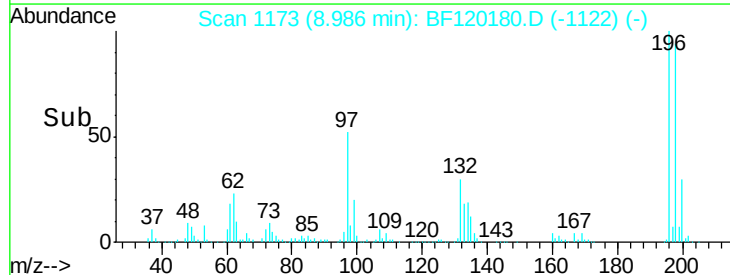
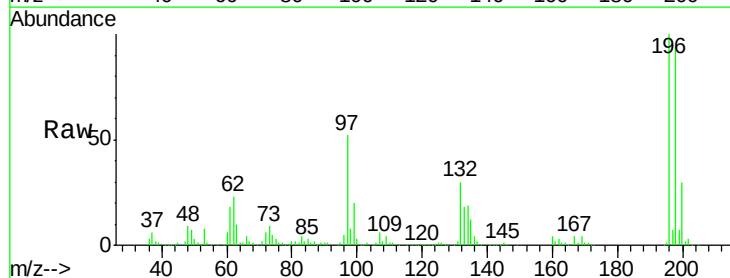
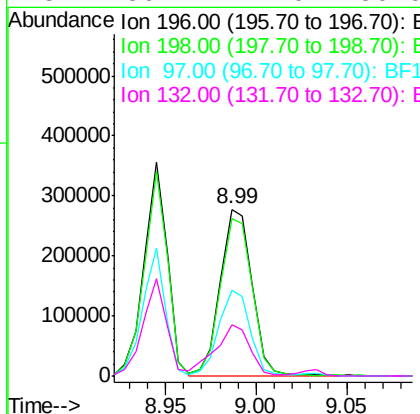
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

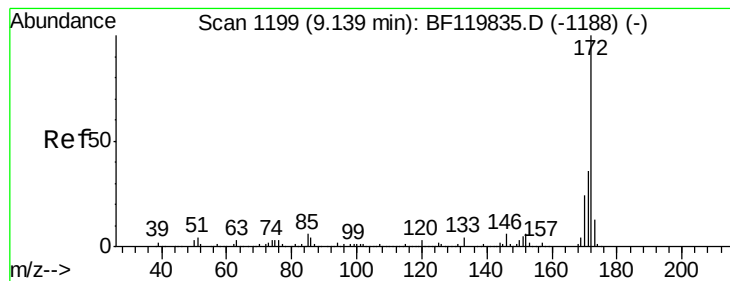
Tot Ion:196 Resp: 316681
 Ion Ratio Lower Upper
 196 100
 198 96.1 76.6 115.0
 200 30.0 24.6 36.8



#44
 2,4,5-Trichlorophenol
 Concen: 46.958 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Tgt Ion:196 Resp: 336540
 Ion Ratio Lower Upper
 196 100
 198 94.4 73.8 110.8
 97 51.8 42.6 63.8
 132 30.4 24.0 36.0





#45

2-Fluorobiphenyl

Concen: 102.154 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

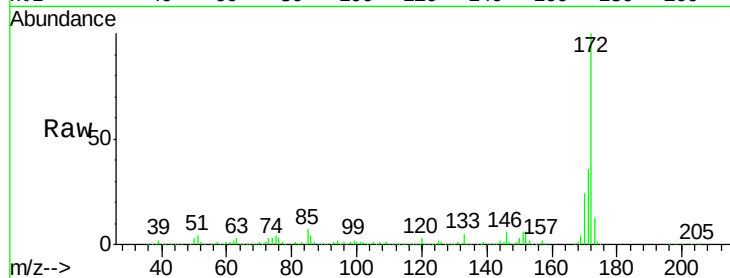
Tot Ion:172 Resp: 2099165

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

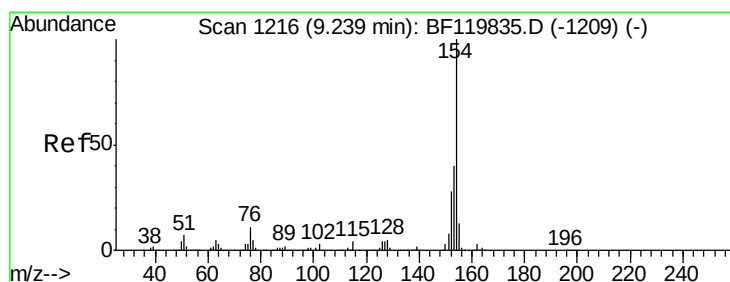
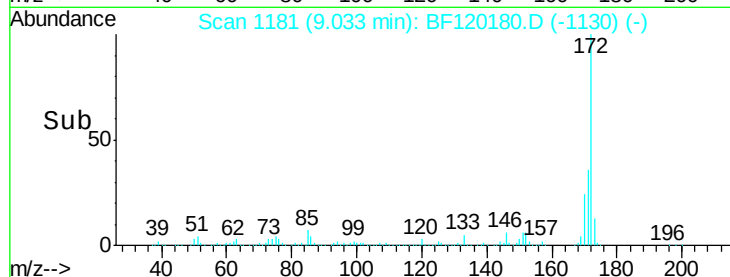
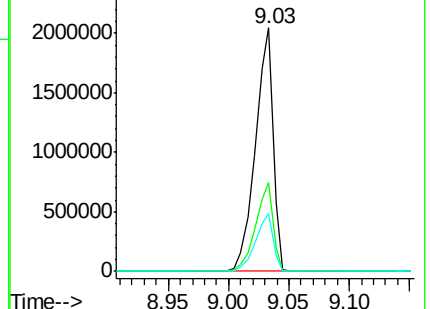
170 24.0 20.2 30.2



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: 51.575 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

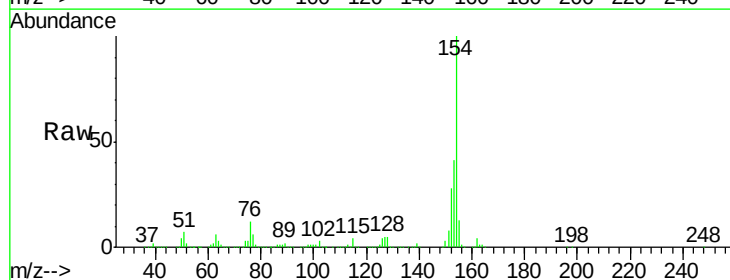
Tgt Ion:154 Resp: 1270066

Ion Ratio Lower Upper

154 100

153 41.1 21.4 61.4

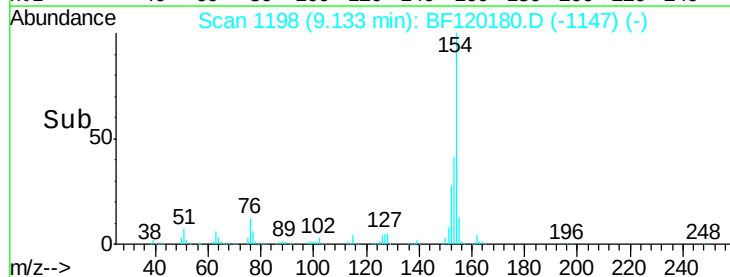
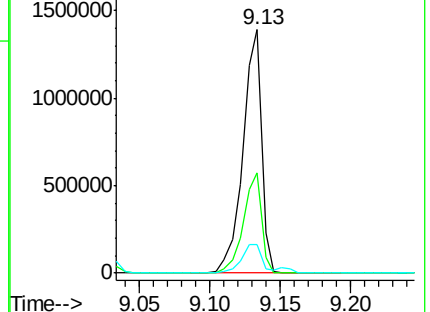
76 11.8 0.0 33.0

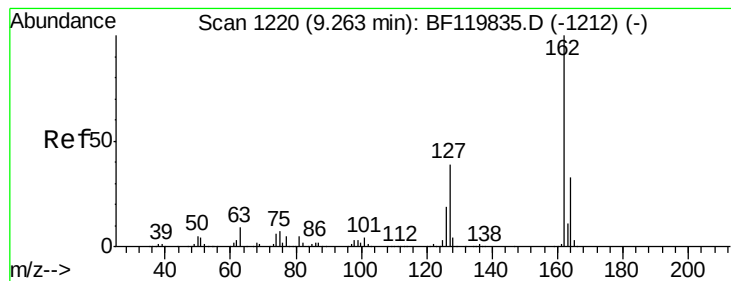


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 51.925 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

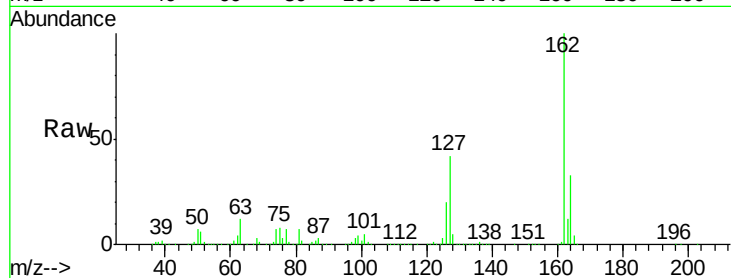
Tot Ion:162 Resp: 985028

Ion Ratio Lower Upper

162 100

127 42.3 33.7 50.5

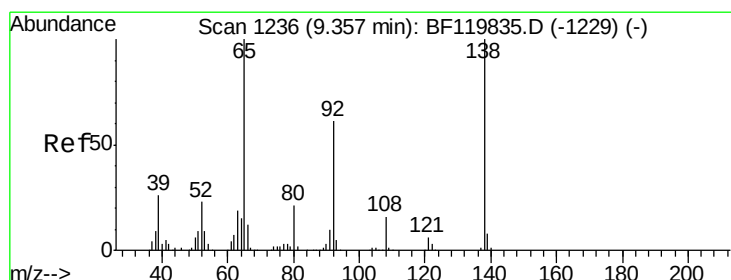
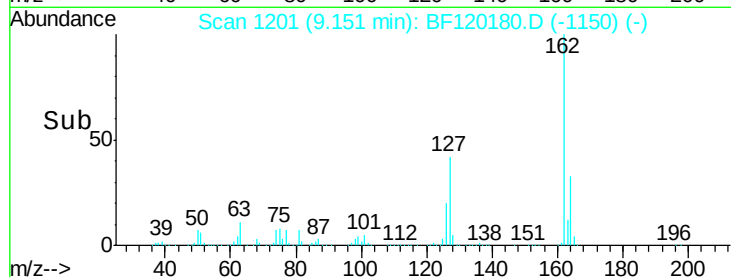
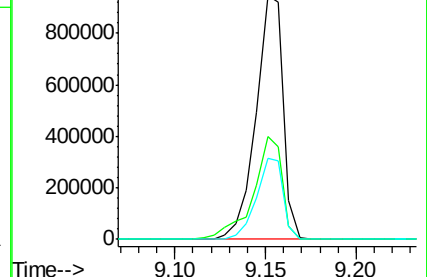
164 33.2 26.3 39.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 50.468 ng

RT: 9.26 min Scan# 1219

Delta R.T. 0.01 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

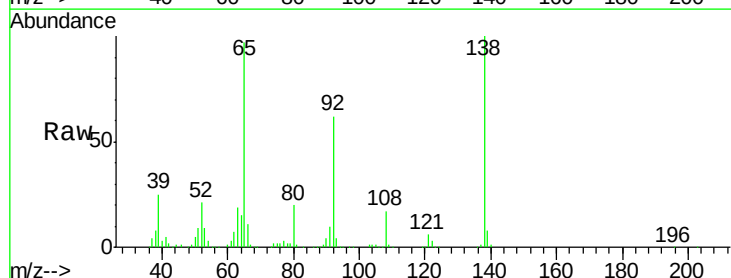
Tgt Ion: 65 Resp: 346946

Ion Ratio Lower Upper

65 100

92 63.6 50.0 75.0

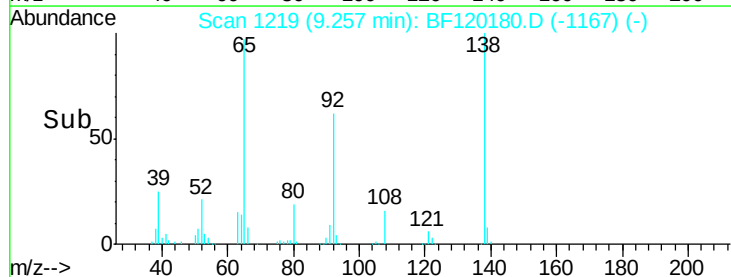
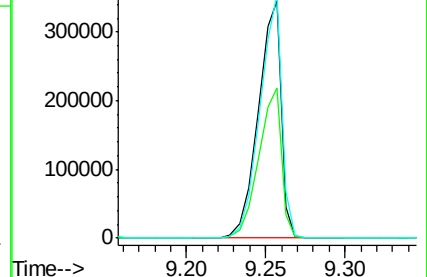
138 102.7 75.0 112.4

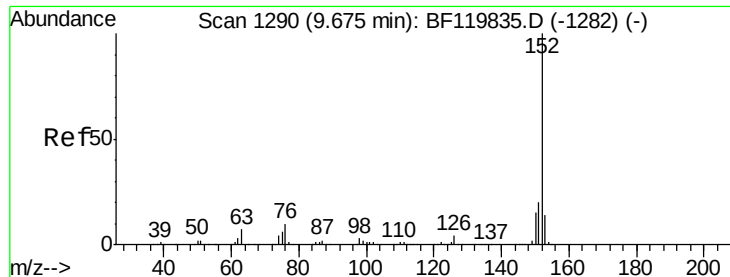


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 51.479 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

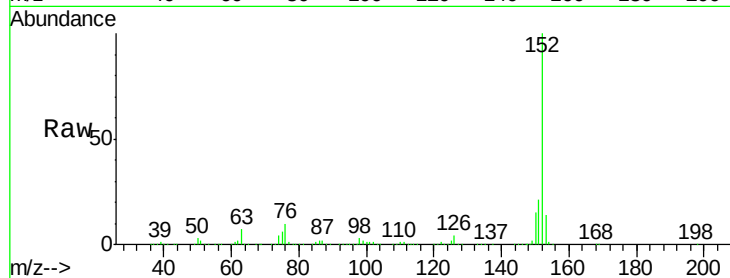
Tot Ion:152 Resp: 1485179

Ion Ratio Lower Upper

152 100

151 20.7 17.2 25.8

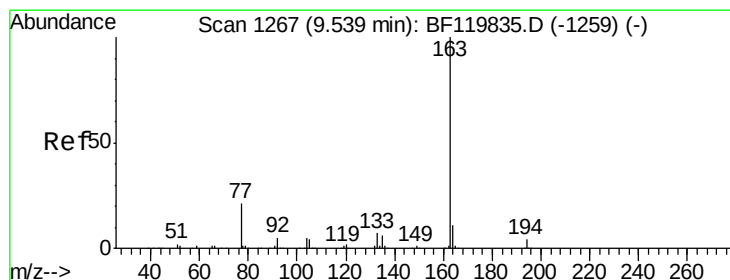
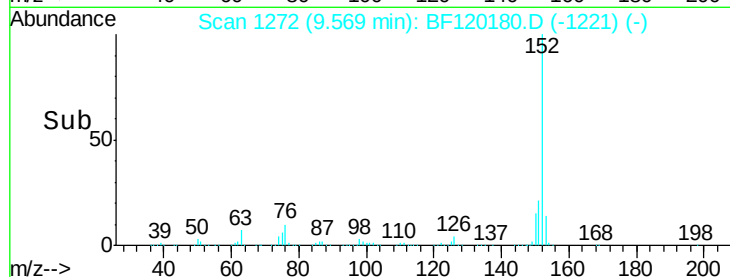
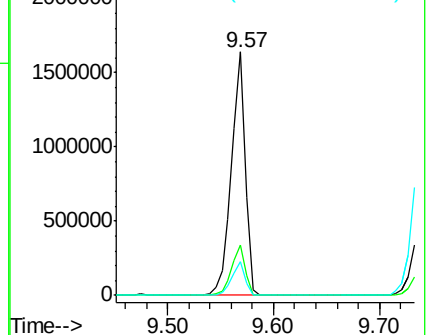
153 13.7 11.2 16.8



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: 51.658 ng

RT: 9.45 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

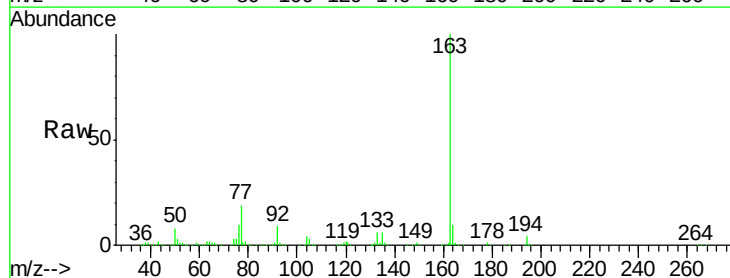
Tgt Ion:163 Resp: 1165742

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

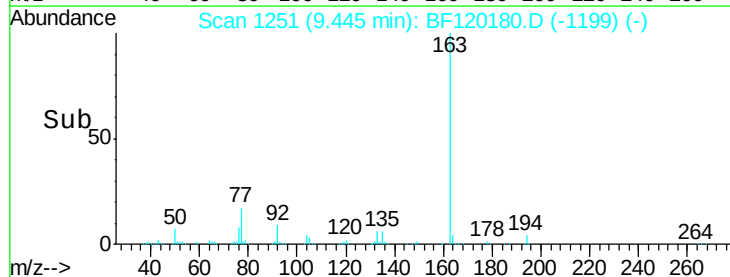
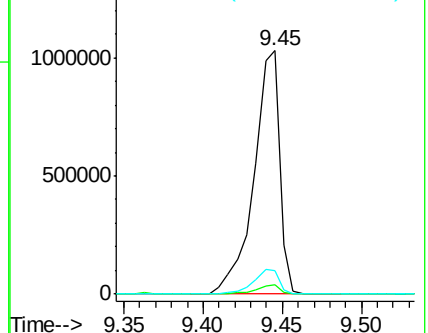
164 9.9 8.2 12.2

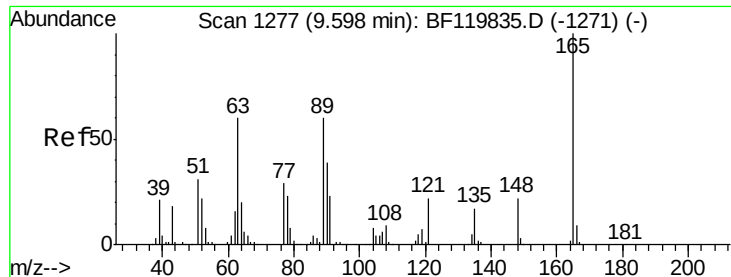


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

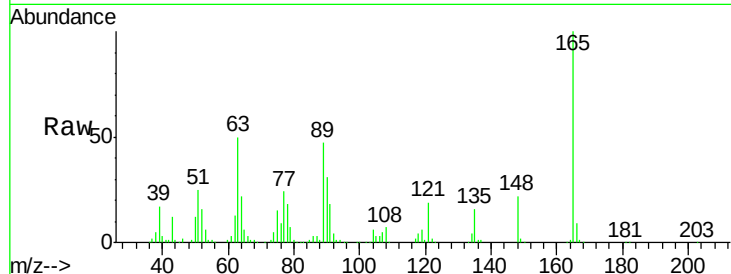




#51
 2,6-Dinitrotoluene
 Concen: 53.042 ng
 RT: 9.50 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

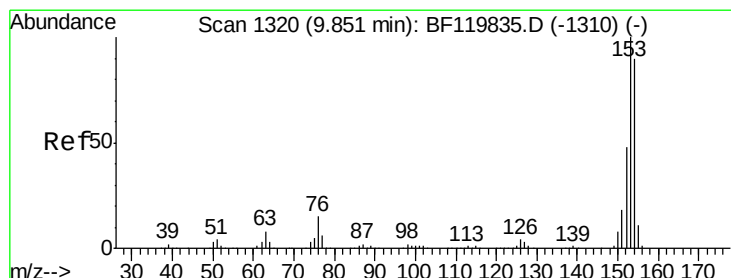
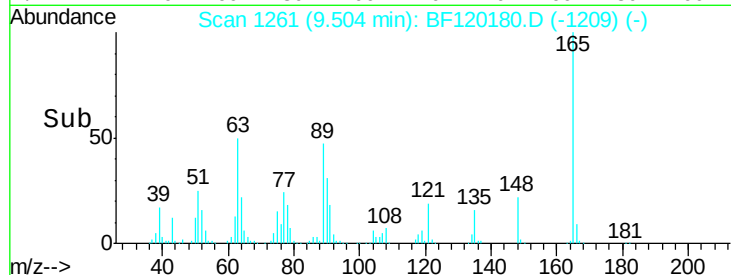
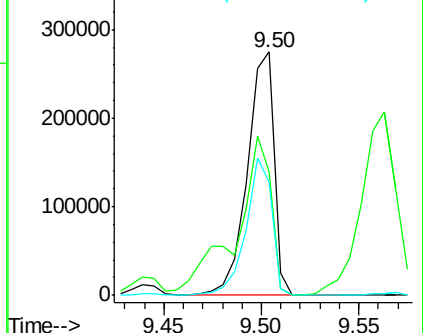
Tot Ion	Ratio	Lower	Upper
165	100		
63	50.5	45.0	67.4
89	46.6	41.5	62.3



Abundance Ion 165.00 (164.70 to 165.70): E

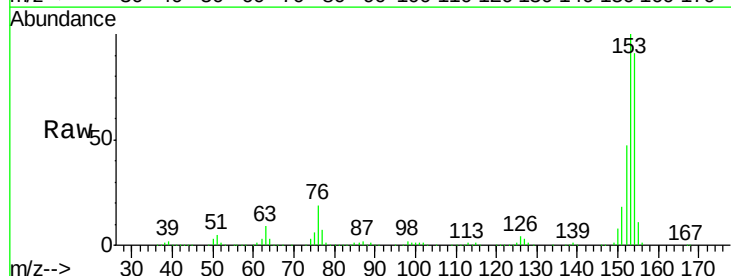
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
 Acenaphthene
 Concen: 47.671 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

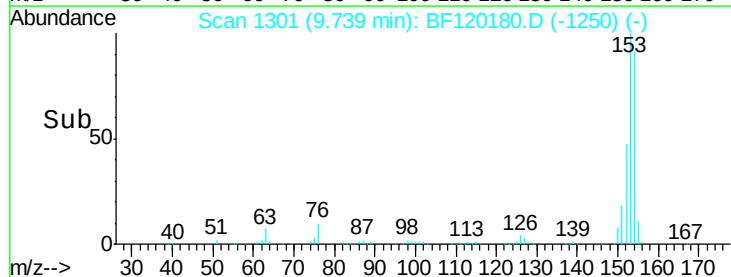
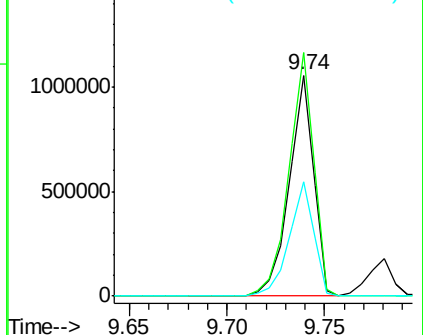
Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.4	88.1	132.1
152	52.1	43.0	64.4

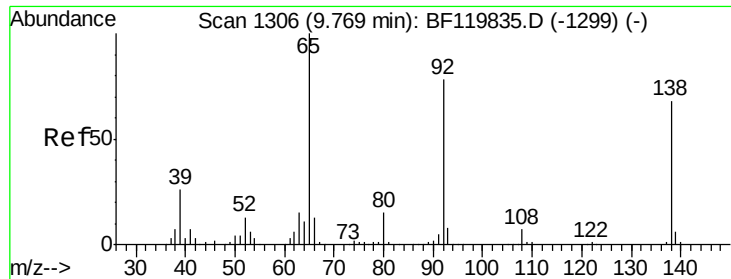


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

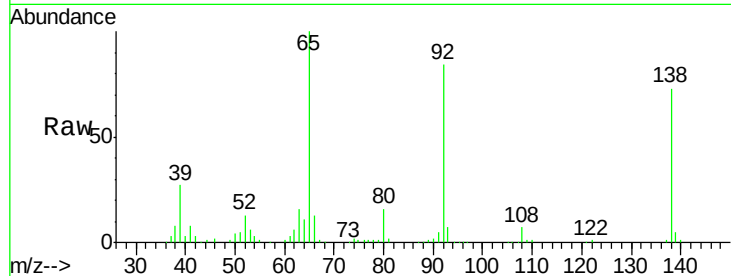




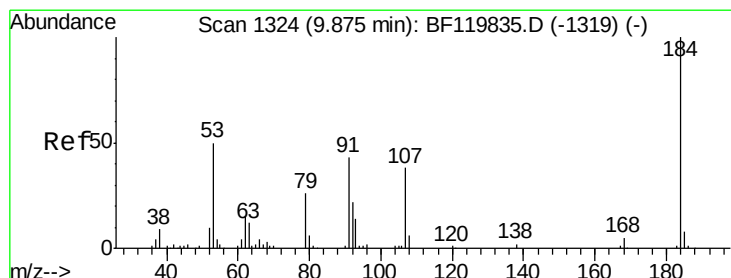
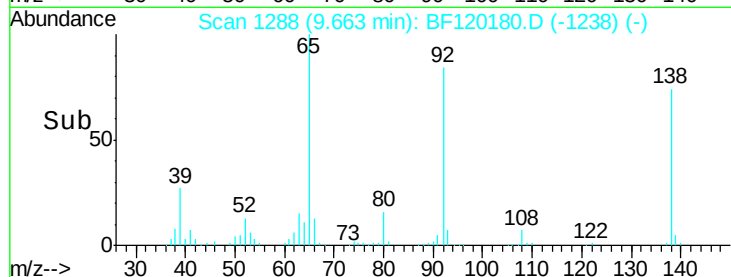
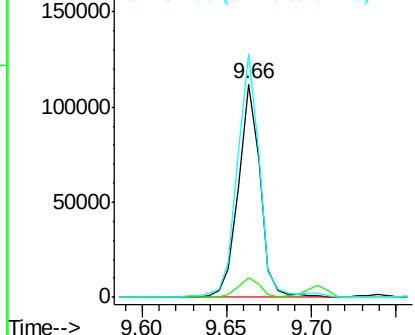
#53
3-Nitroaniline
Concen: 17.839 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

Tot Ion:138 Resp: 100679
Ion Ratio Lower Upper
138 100
108 9.5 8.6 13.0
92 114.1 95.4 143.0

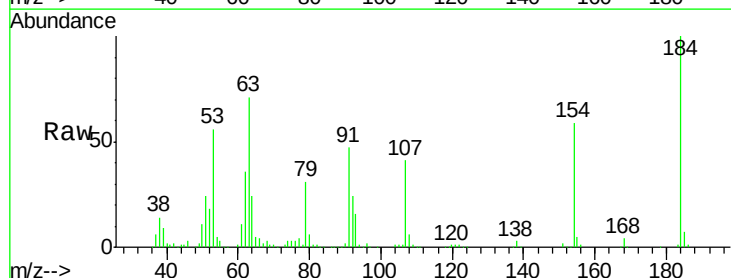


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

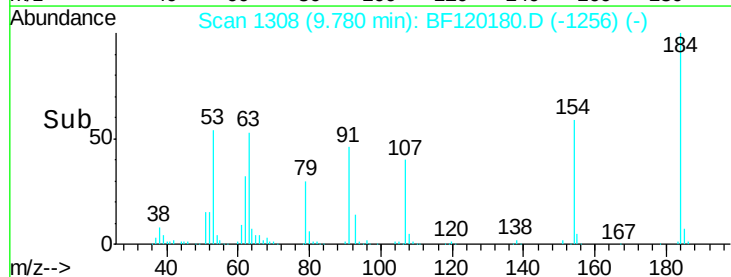
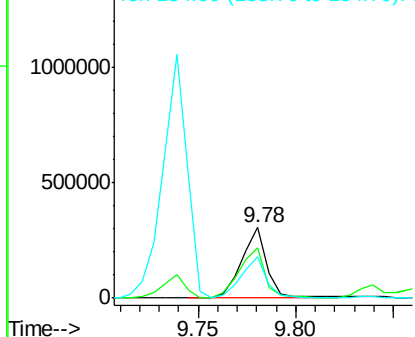


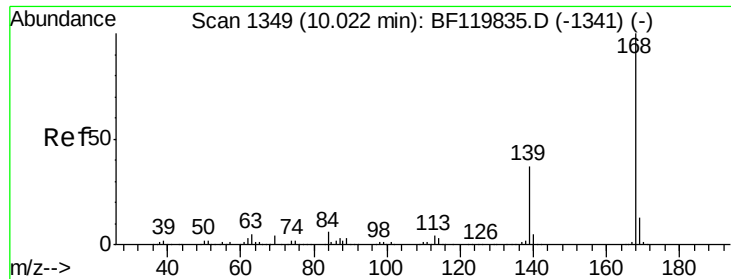
#54
2,4-Dinitrophenol
Concen: 93.339 ng
RT: 9.78 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion:184 Resp: 276151
Ion Ratio Lower Upper
184 100
63 71.3 50.2 75.4
154 59.1 44.5 66.7



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

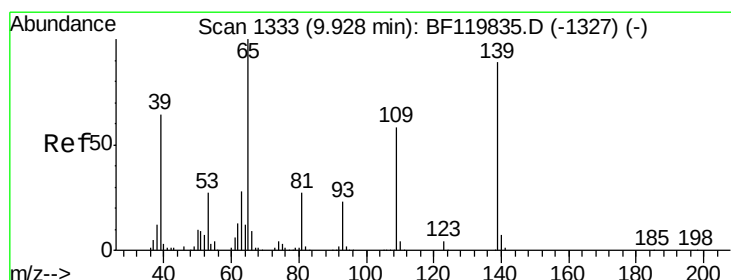
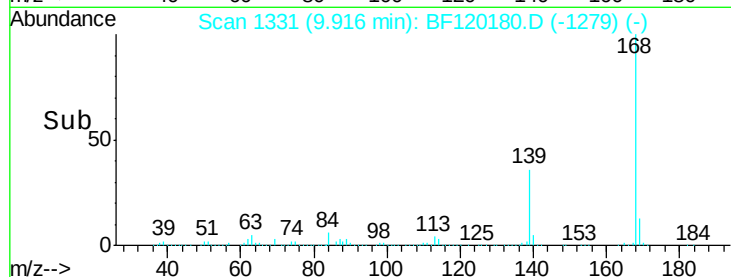
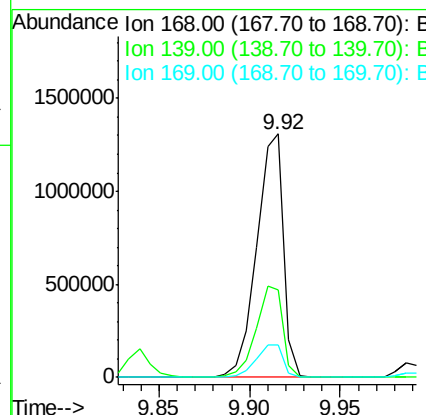
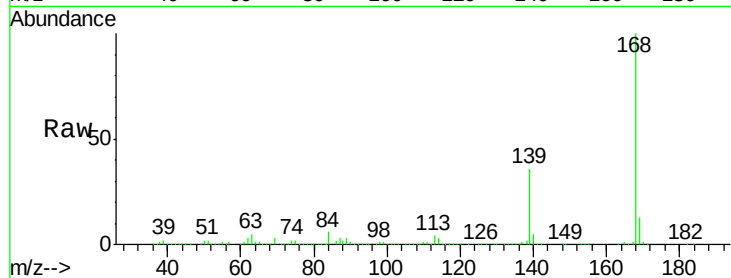




#55
Dibenzofuran
Concen: 50.702 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

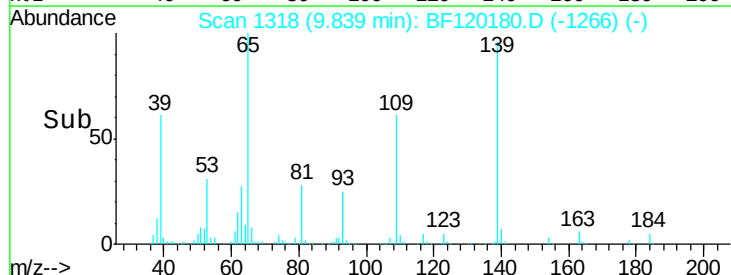
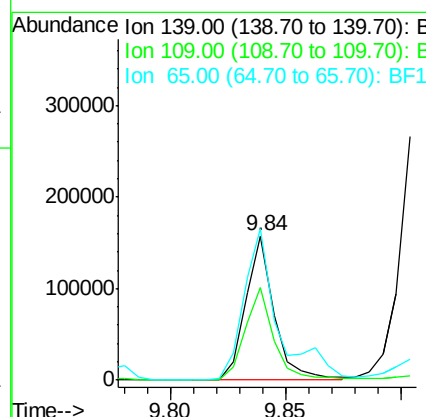
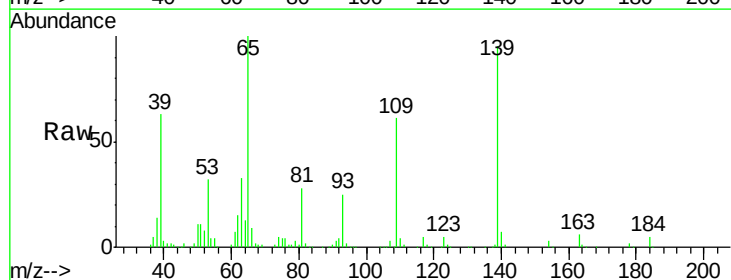
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

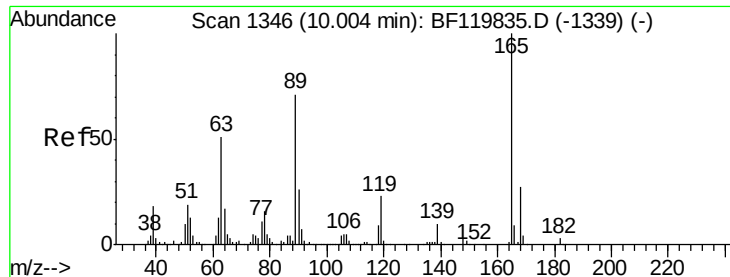
Tot Ion:168 Resp: 1338969
Ion Ratio Lower Upper
168 100
139 35.7 30.1 45.1
169 13.3 11.0 16.6



#56
4-Nitrophenol
Concen: 32.399 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion:139 Resp: 136054
Ion Ratio Lower Upper
139 100
109 64.2 43.3 83.3
65 105.2 91.0 131.0





#57

2,4-Dinitrotoluene

Concen: 49.792 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

Tot Ion:165 Resp: 324181

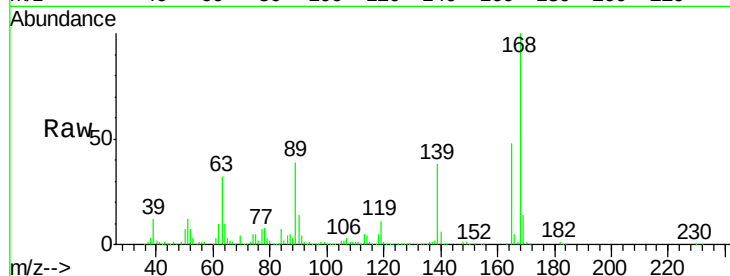
Ion Ratio Lower Upper

165 100

63 66.9 42.6 64.0#

89 82.0 61.0 91.4

182 2.5 2.2 3.2

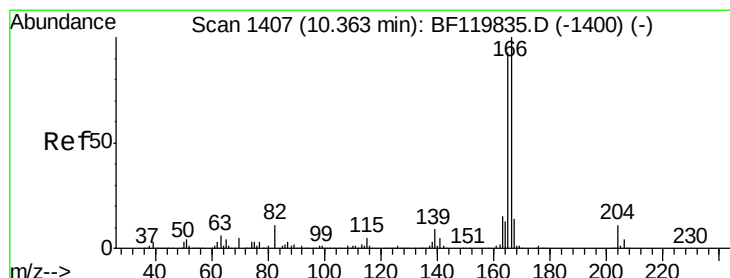
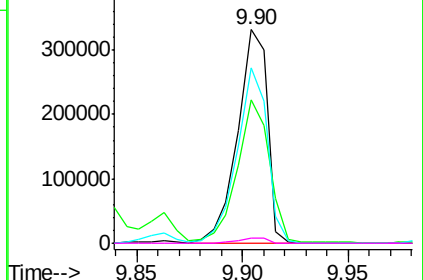
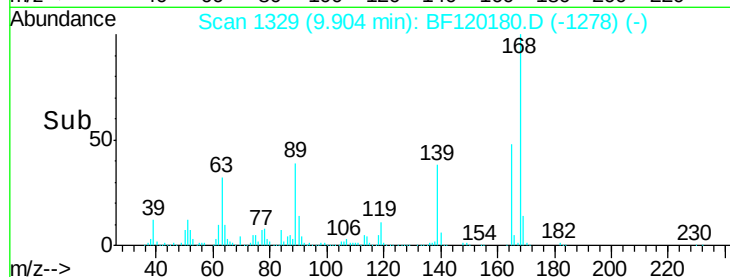


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 50.844 ng

RT: 10.26 min Scan# 1389

Delta R.T. 0.01 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

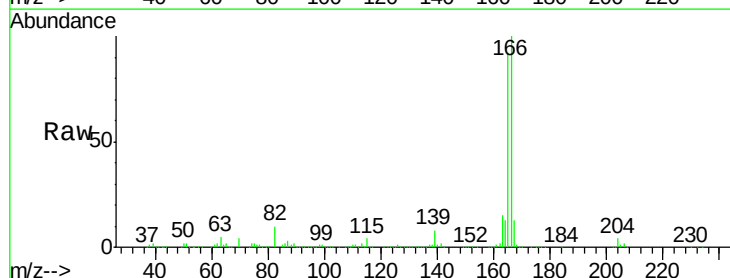
Tgt Ion:166 Resp: 1073844

Ion Ratio Lower Upper

166 100

165 91.7 75.4 113.2

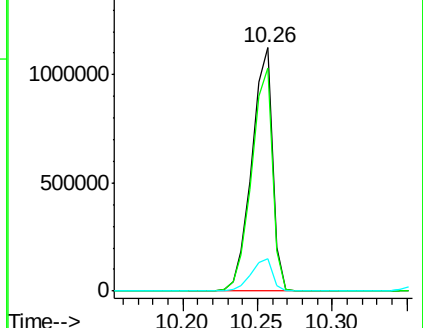
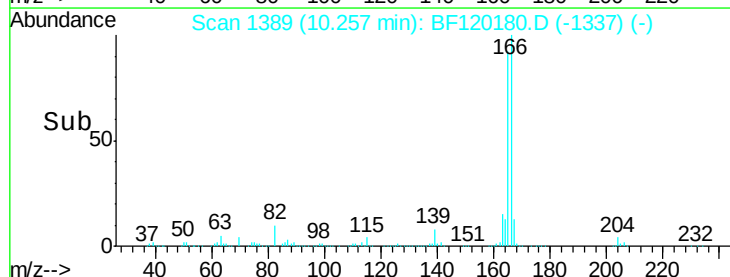
167 13.5 11.2 16.8

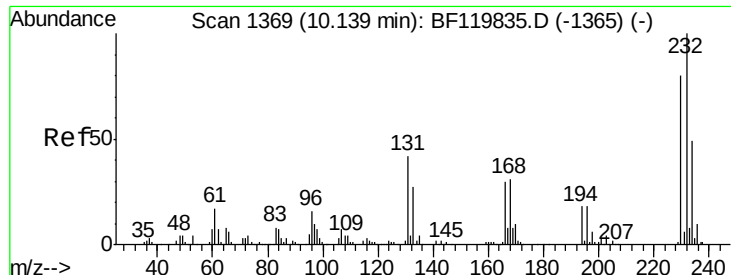


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

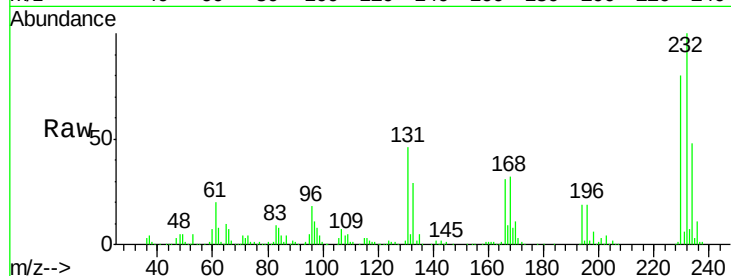




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.243 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	47.3	37.5	56.3
130	2.5	1.8	2.6
166	32.8	24.6	36.8

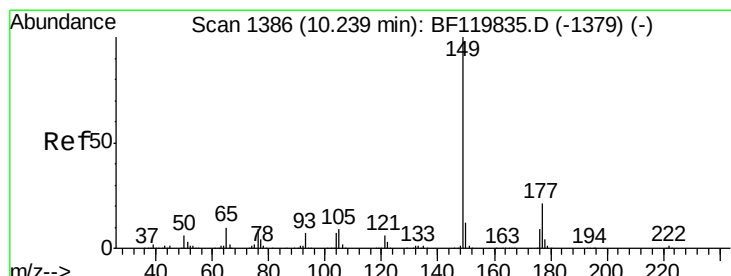
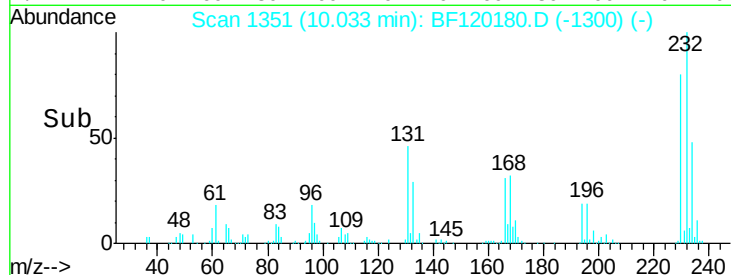
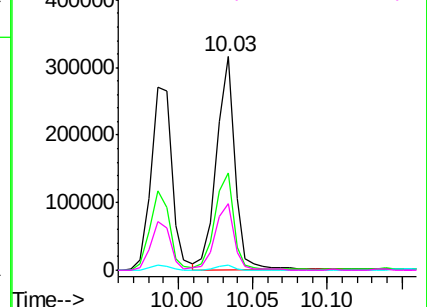


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

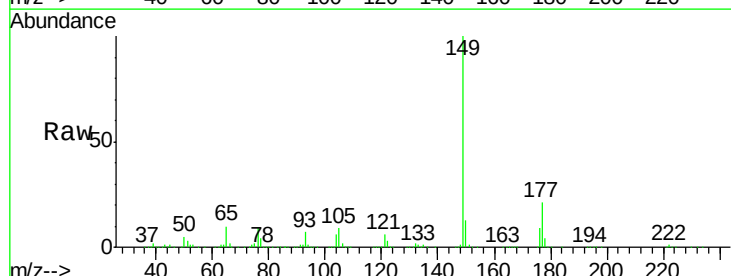
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 50.773 ng
 RT: 10.14 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

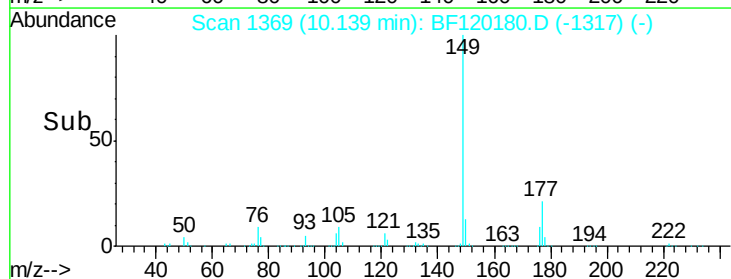
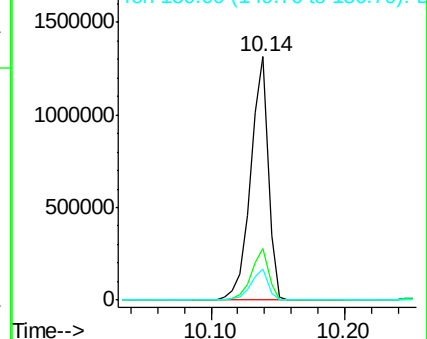
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.0	25.6
150	12.6	10.1	15.1

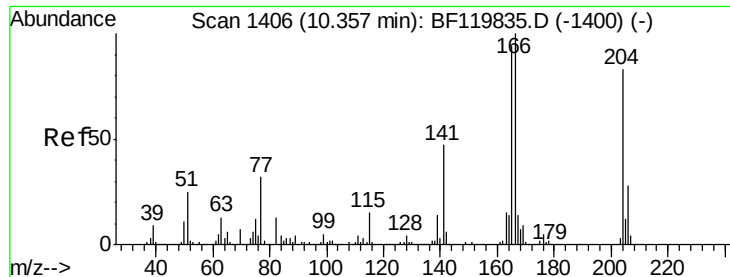


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

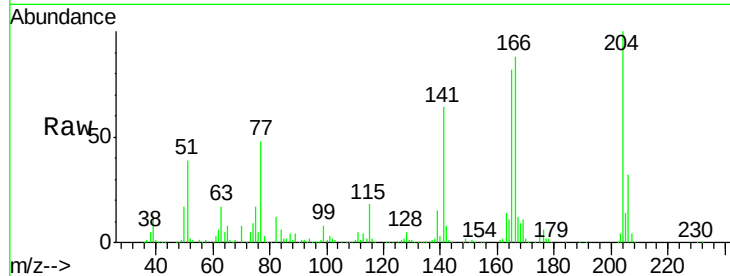




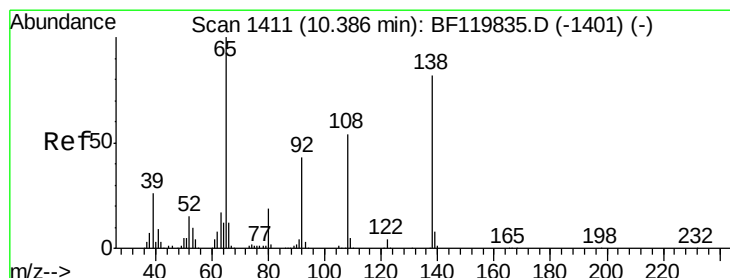
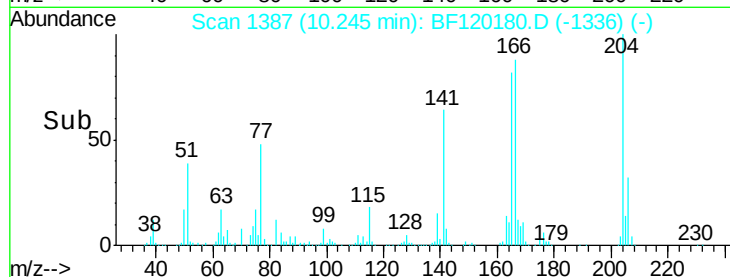
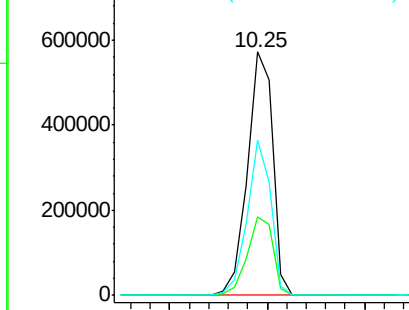
#61
 4-Chlorophenyl-phenylether
 Concen: 47.401 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

Tot Ion:	204	Resp:	513112
Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.7	40.1
141	63.6	47.3	70.9

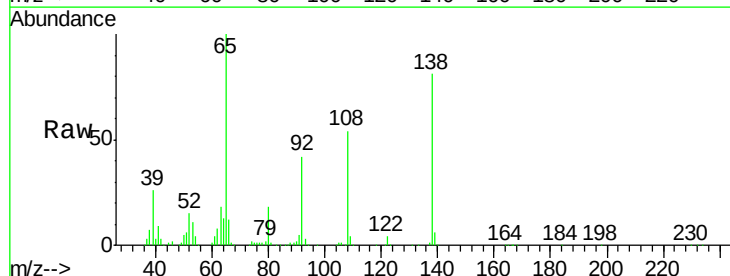


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

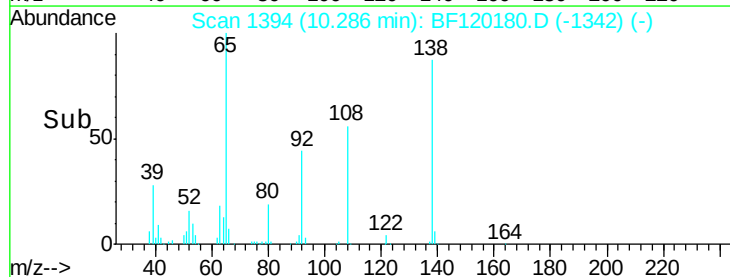
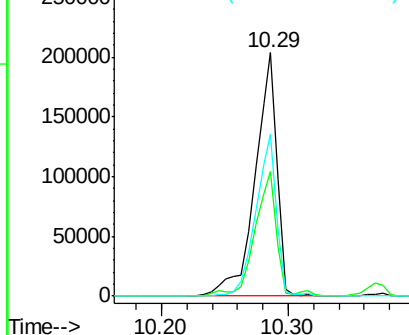


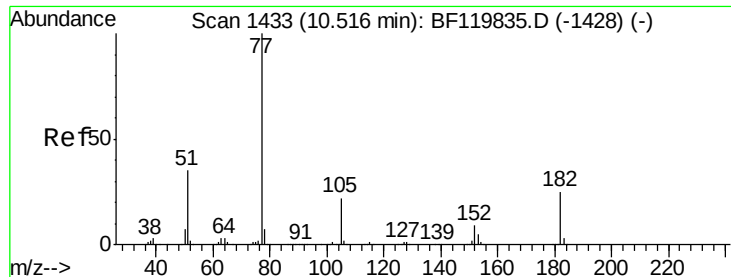
#62
 4-Nitroaniline
 Concen: 45.713 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Tgt Ion:	138	Resp:	245876
Ion	Ratio	Lower	Upper
138	100		
92	51.0	31.5	71.5
108	66.5	45.8	85.8



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





#63

Azobenzene

Concen: 52.842 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

Tot Ion: 77 Resp: 1107609

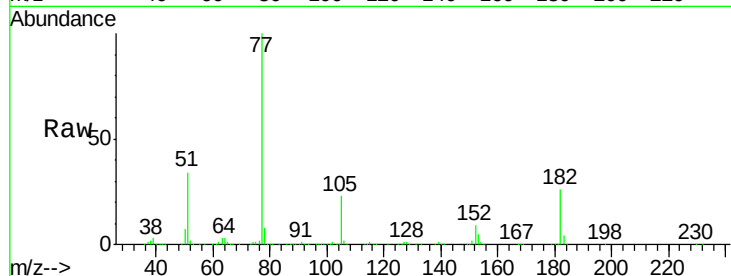
Ion Ratio Lower Upper

77 100

182 26.3 4.4 44.4

105 22.7 2.6 42.6

51 34.3 15.1 55.1

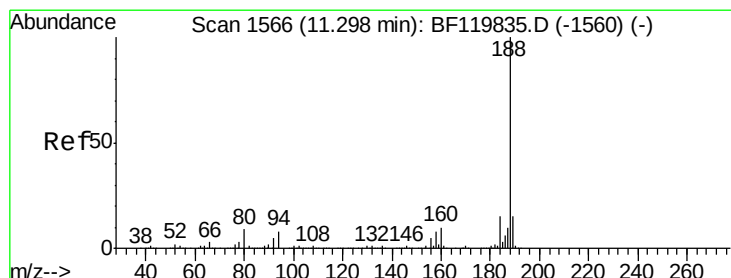
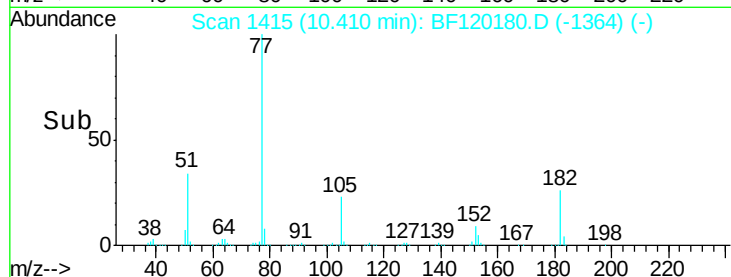
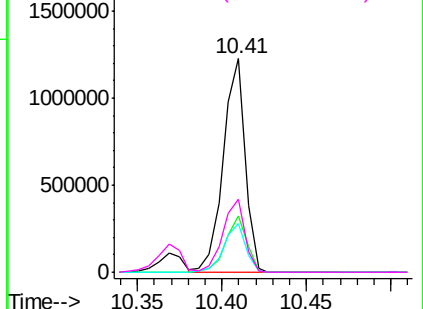


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

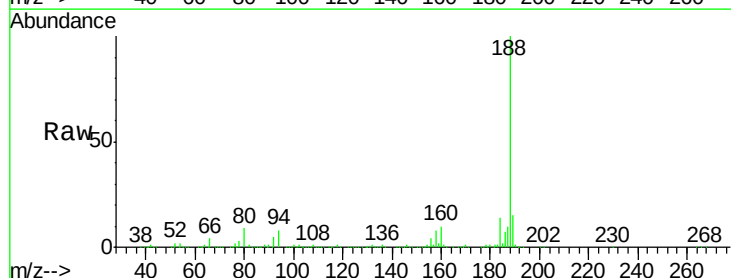
Tgt Ion: 188 Resp: 543489

Ion Ratio Lower Upper

188 100

94 8.5 7.5 11.3

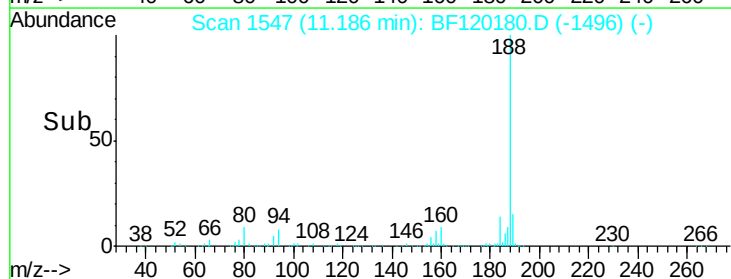
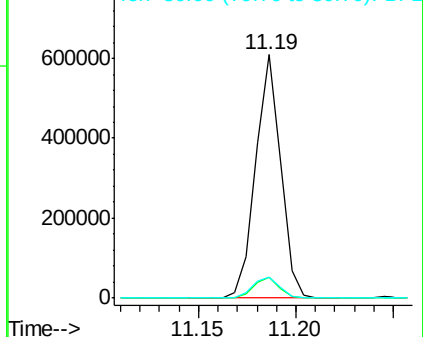
80 8.7 9.0 13.4#

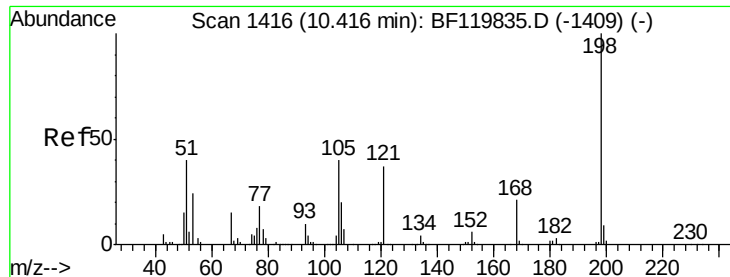


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

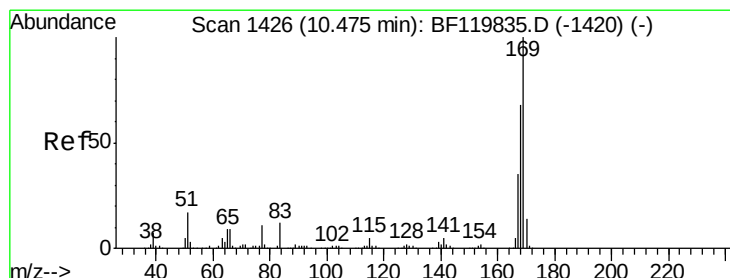
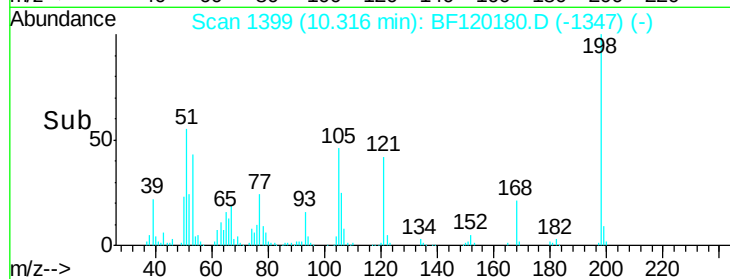
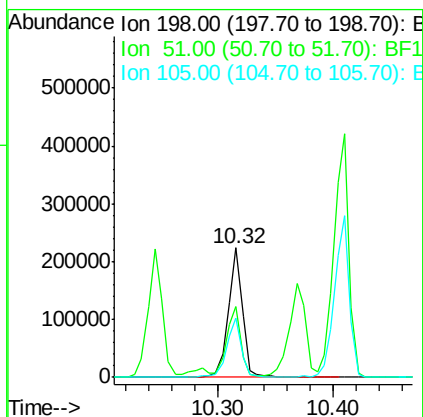
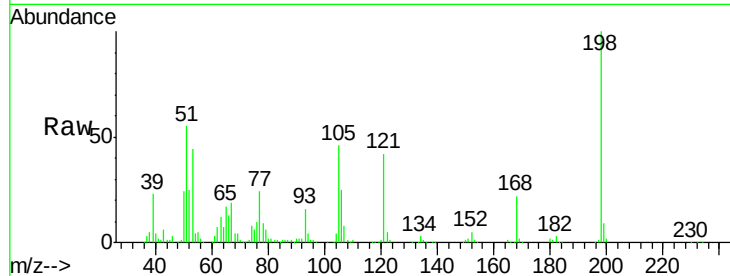




#65
 4,6-Dinitro-2-methylphenol
 Concen: 53.217 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.01 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

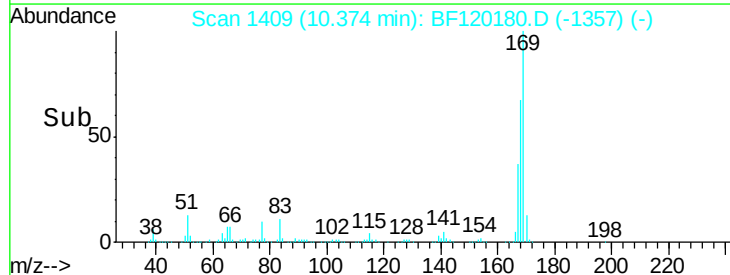
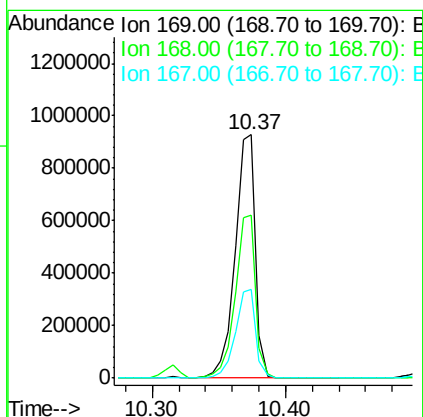
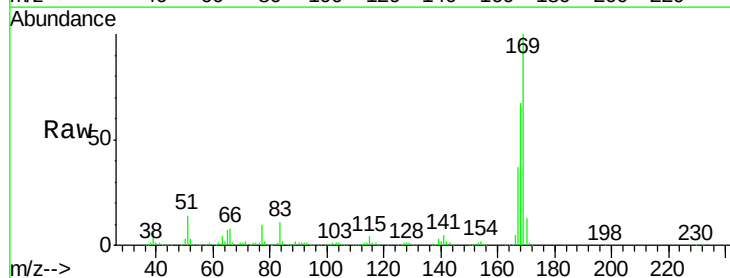
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

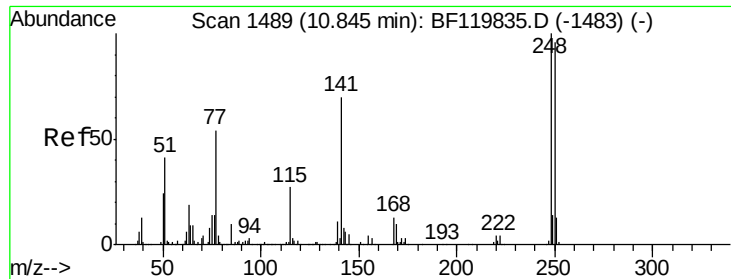
Tot Ion:198 Resp: 190548
 Ion Ratio Lower Upper
 198 100
 51 55.3 29.0 69.0
 105 46.0 22.2 62.2



#66
 n-Nitrosodiphenylamine
 Concen: 54.325 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. 0.01 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Tgt Ion:169 Resp: 981922
 Ion Ratio Lower Upper
 169 100
 168 67.0 53.2 79.8
 167 36.7 29.1 43.7

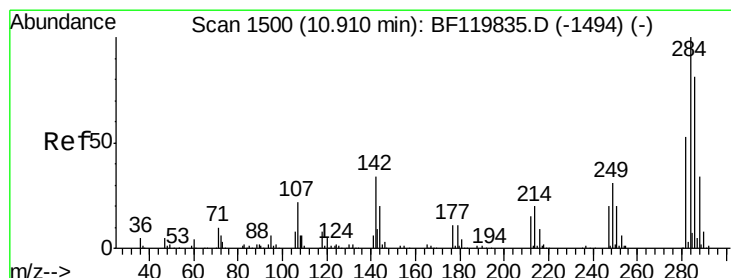
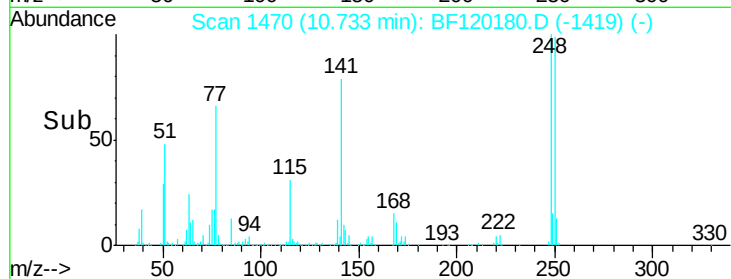
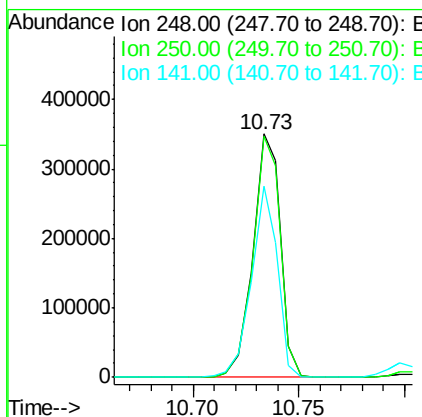
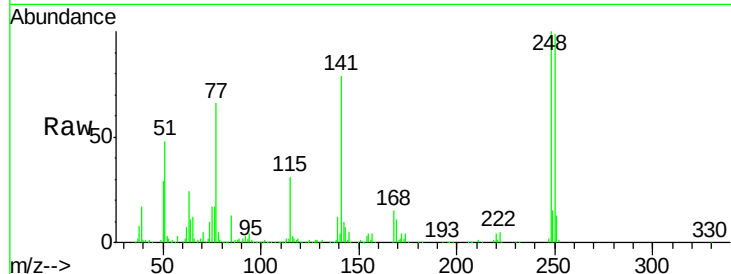




#67
4-Bromophenyl-phenylether
Concen: 46.900 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

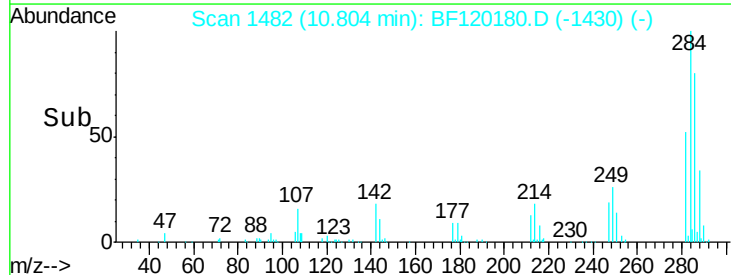
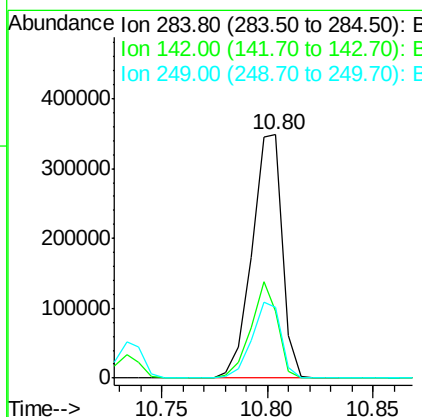
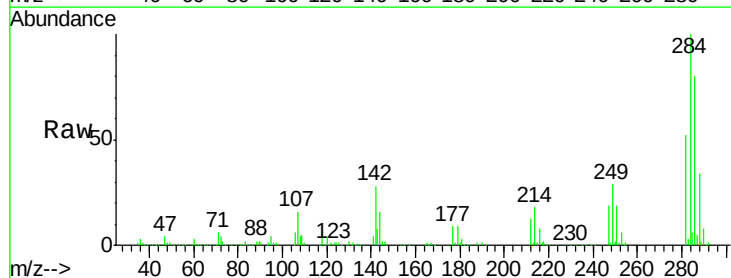
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

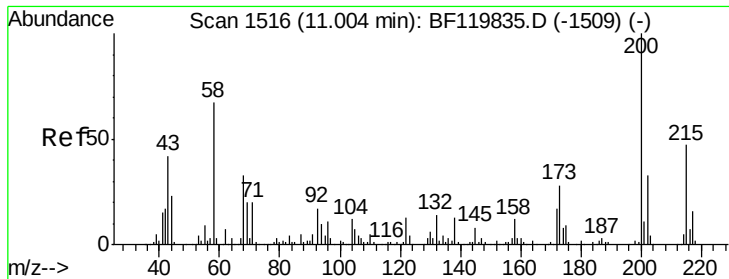
Tot Ion:248 Resp: 316987
Ion Ratio Lower Upper
248 100
250 98.8 77.3 115.9
141 78.6 58.6 87.8



#68
Hexachlorobenzene
Concen: 50.704 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion:284 Resp: 347654
Ion Ratio Lower Upper
284 100
142 27.7 29.2 43.8#
249 29.2 25.1 37.7

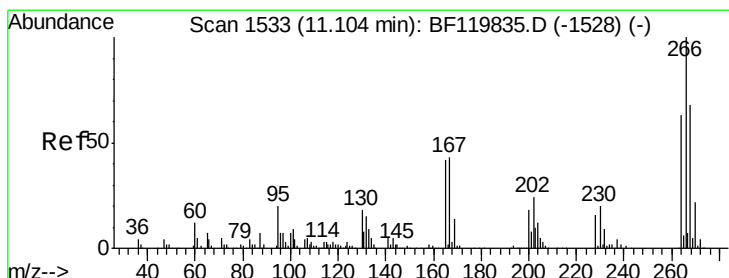
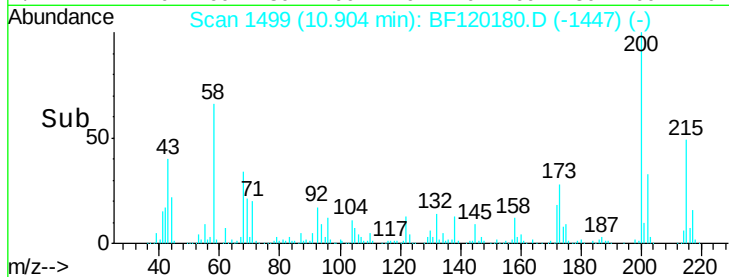
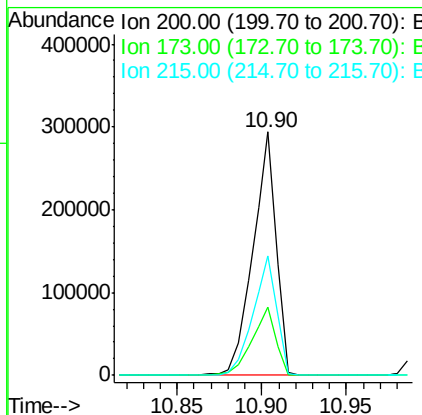
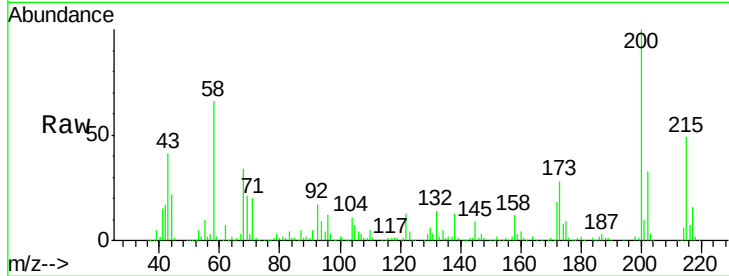




#69
 Atrazine
 Concen: 56.189 ng
 RT: 10.90 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

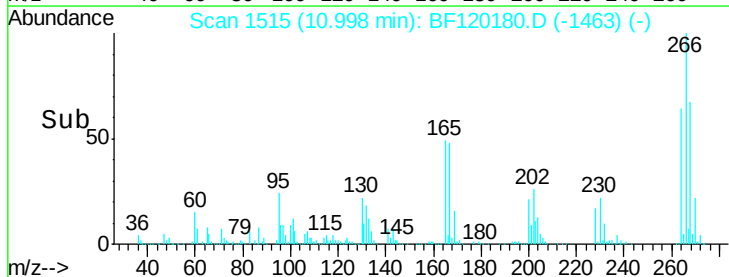
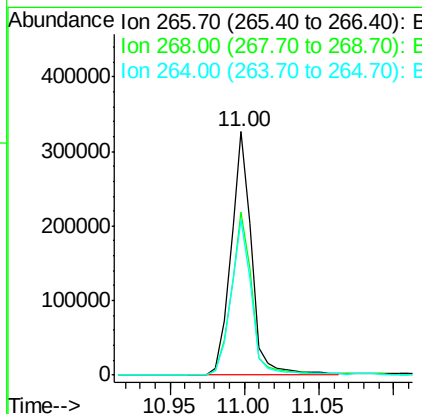
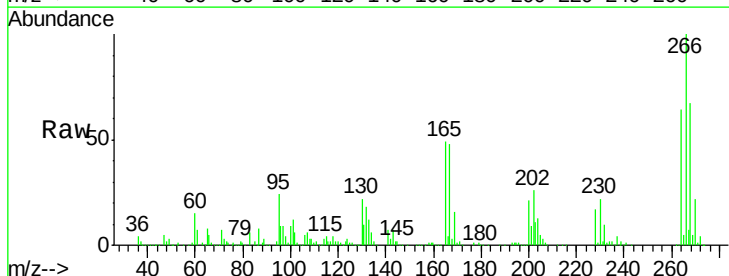
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

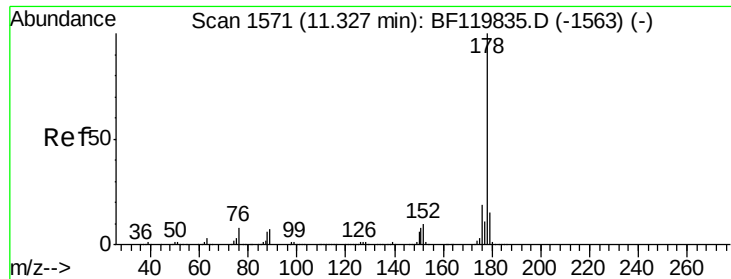
Tot Ion	Ratio	Lower	Upper
200	100		
173	28.2	9.3	49.3
215	48.9	29.5	69.5



#70
 Pentachlorophenol
 Concen: 80.702 ng
 RT: 11.00 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.1	53.3	79.9
264	63.6	49.0	73.4

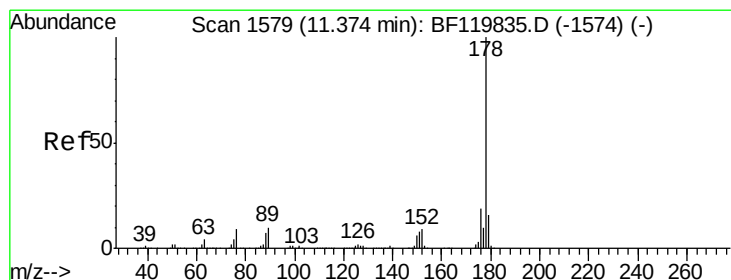
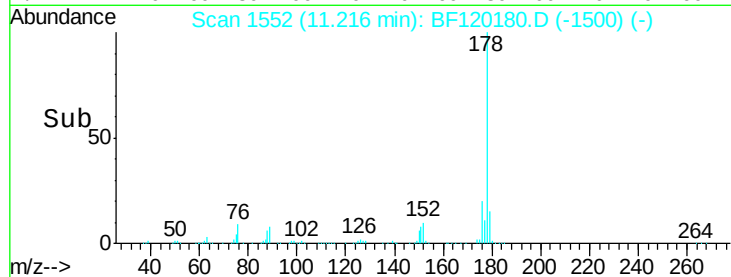
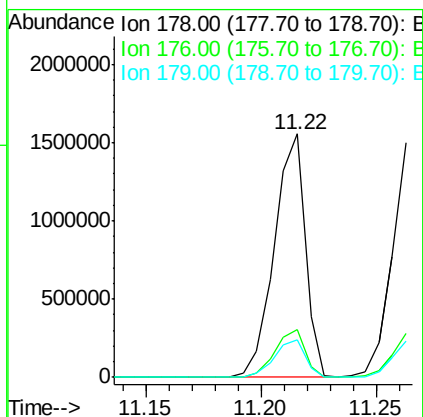
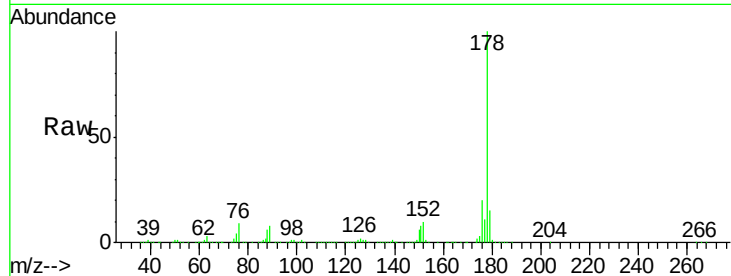




#71
Phenanthrene
Concen: 50.163 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.01 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

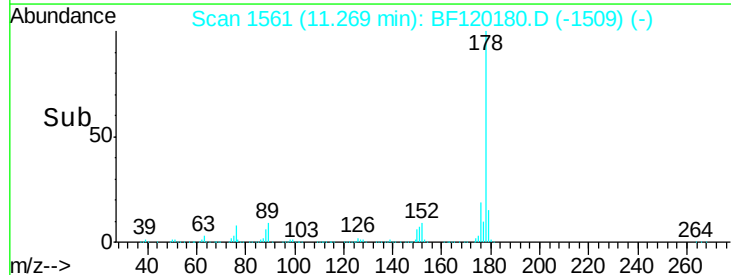
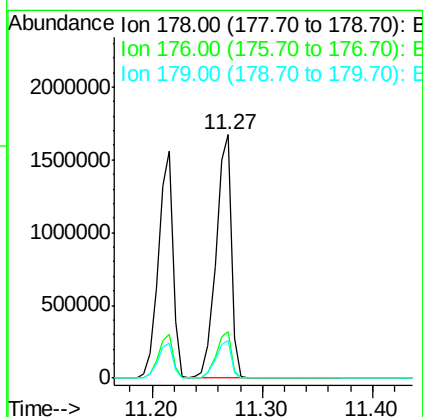
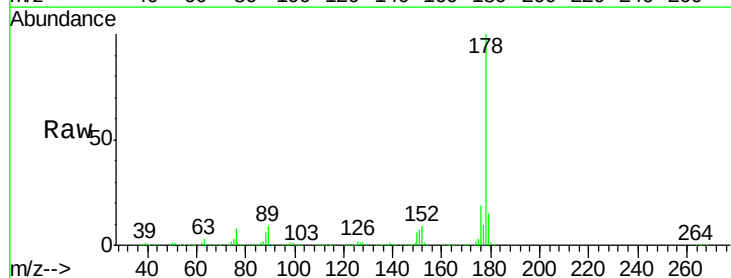
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

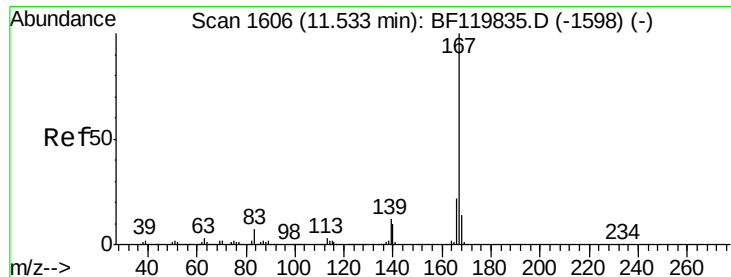
Tot Ion:178 Resp: 1450956
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 15.2 13.2 19.8



#72
Anthracene
Concen: 53.840 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion:178 Resp: 1590912
Ion Ratio Lower Upper
178 100
176 19.0 16.1 24.1
179 15.5 13.0 19.4

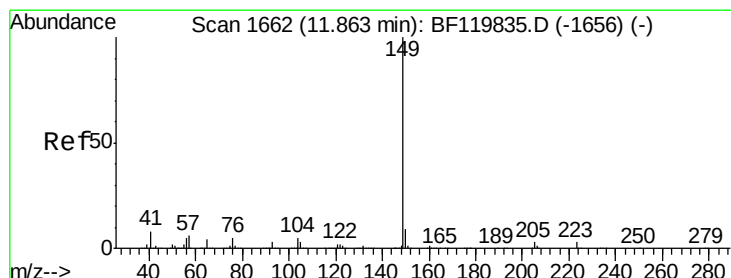
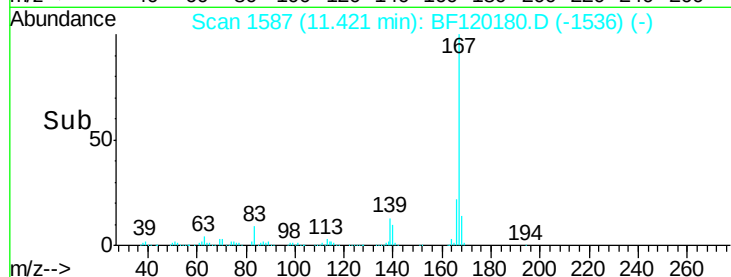
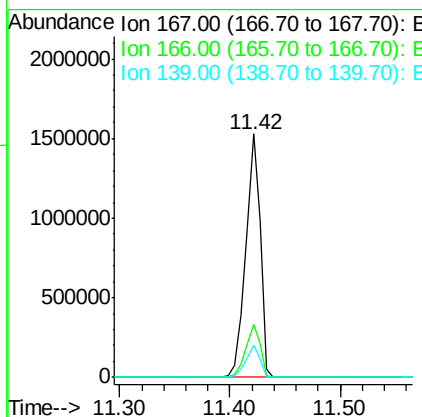
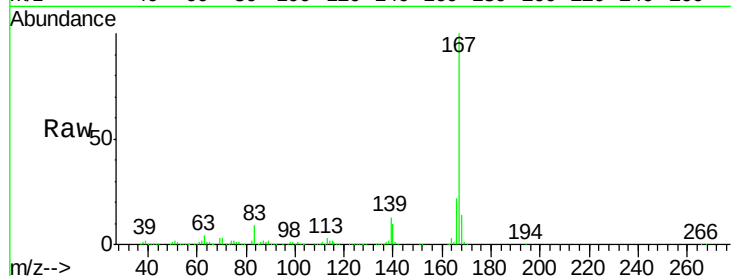




#73
 Carbazole
 Concen: 50.617 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

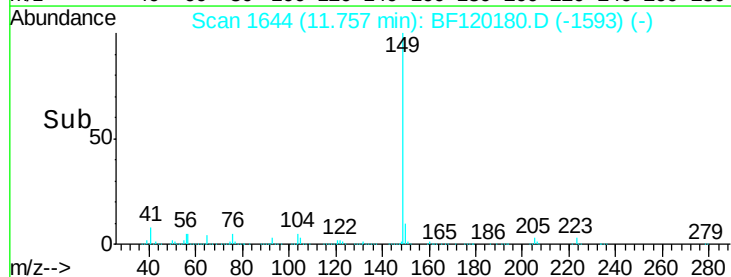
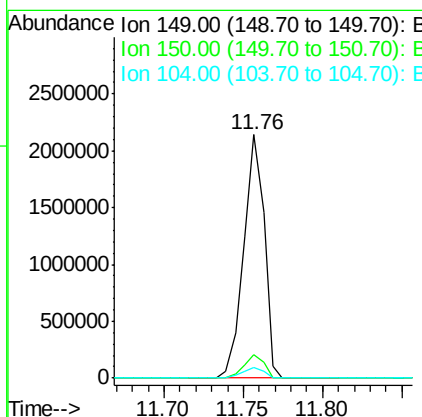
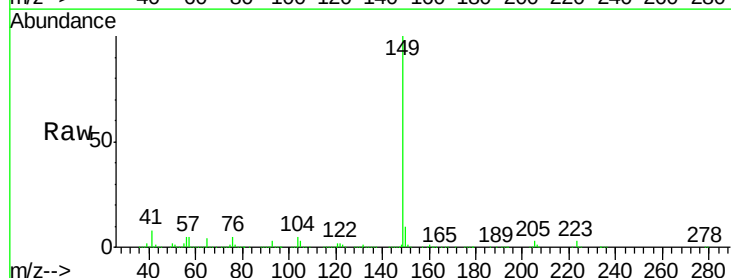
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

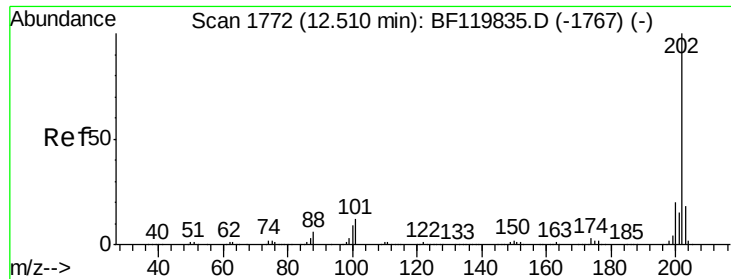
Tot Ion:167 Resp: 1414419
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.2 27.4
 139 13.1 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 52.063 ng
 RT: 11.76 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Tgt Ion:149 Resp: 1912485
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.8 11.8
 104 4.6 3.6 5.4

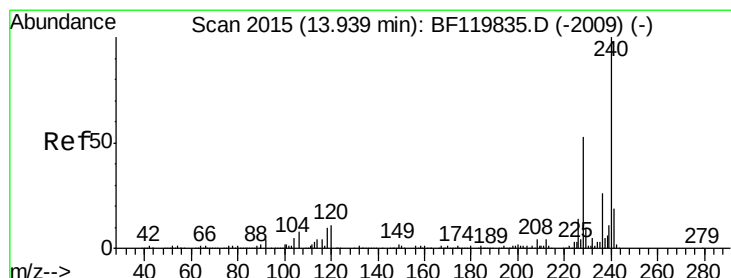
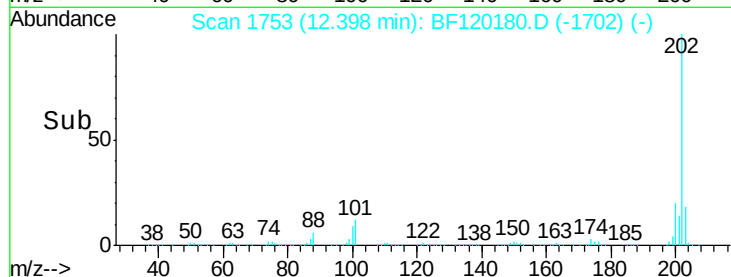
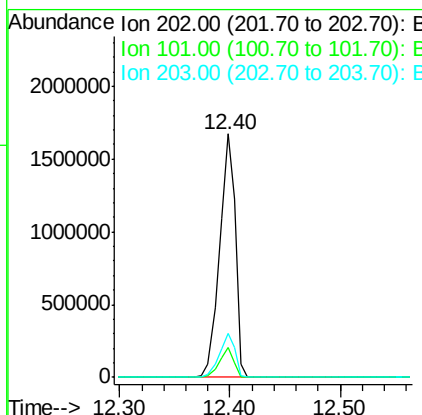
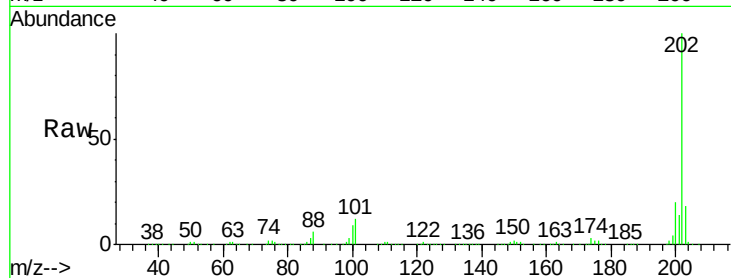




#75
Fluoranthene
Concen: 52.956 ng
RT: 12.40 min Scan# 1753
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

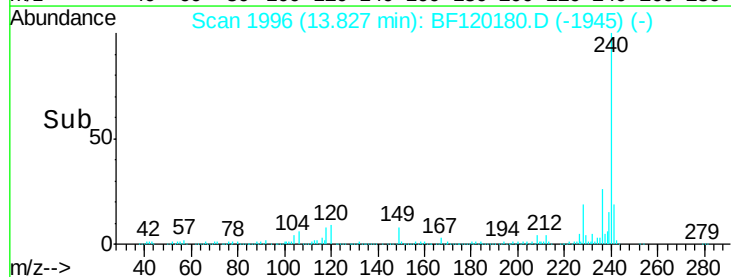
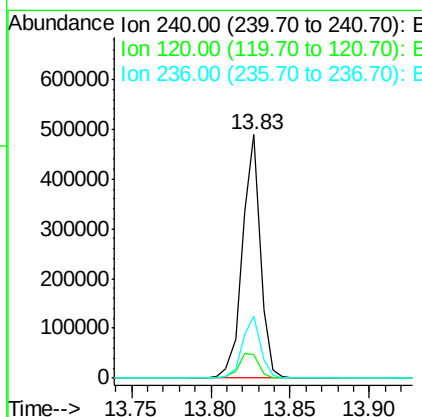
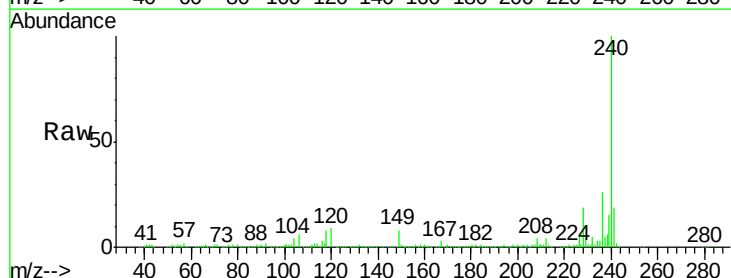
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

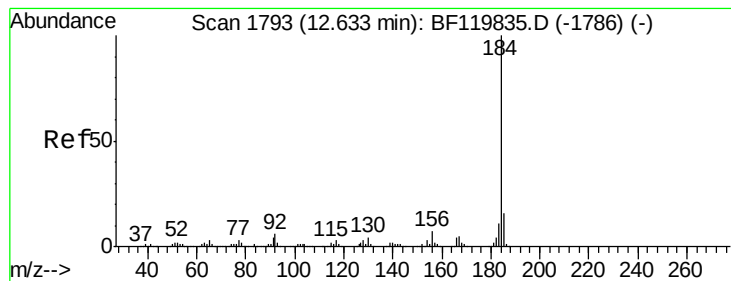
Tot Ion:202 Resp: 1652732
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.2
203 18.3 0.0 38.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion:240 Resp: 382098
Ion Ratio Lower Upper
240 100
120 9.5 10.6 15.8#
236 25.6 20.2 30.2





#77

Benzidine

Concen: 42.328 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

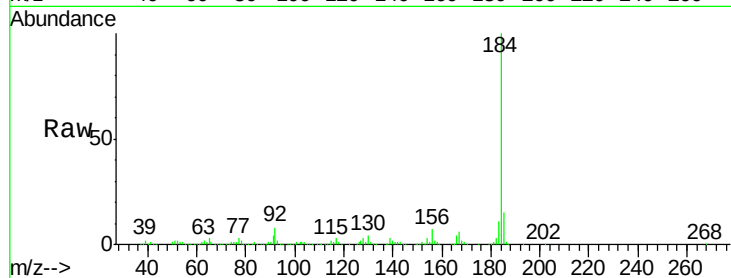
Tot Ion:184 Resp: 546713

Ion Ratio Lower Upper

184 100

185 14.8 12.3 18.5

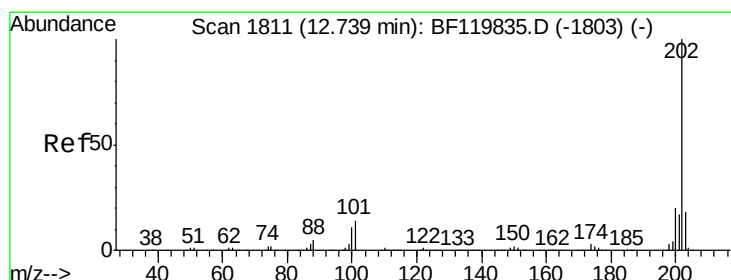
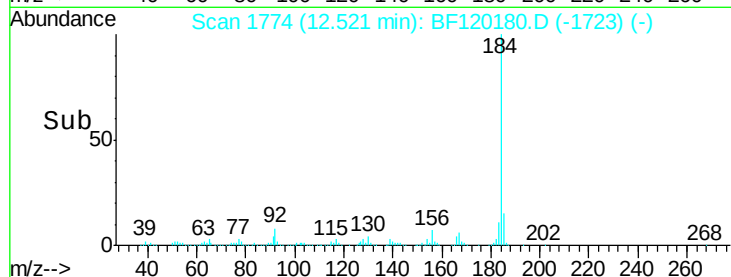
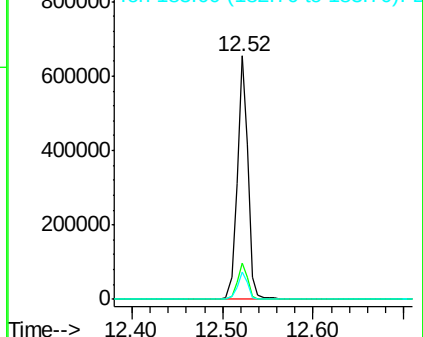
183 11.2 9.0 13.6



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: 51.725 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

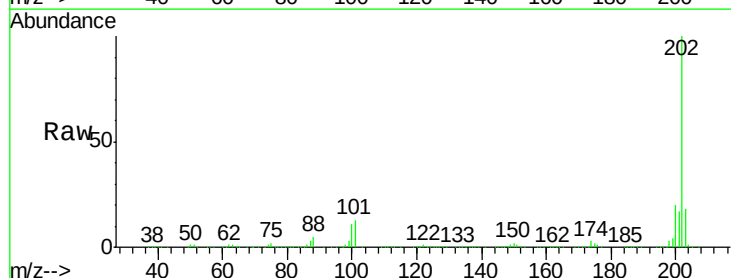
Tgt Ion:202 Resp: 1666133

Ion Ratio Lower Upper

202 100

200 20.2 16.8 25.2

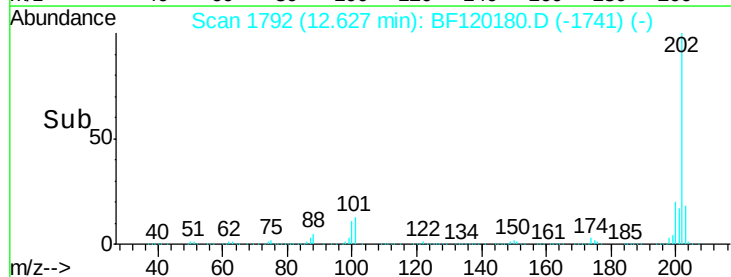
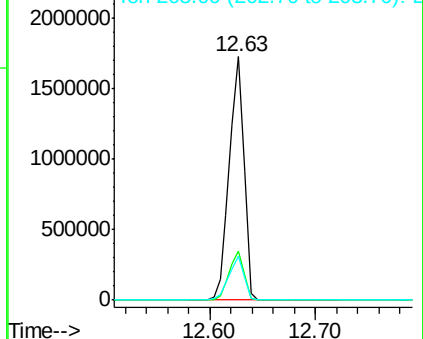
203 18.2 15.1 22.7

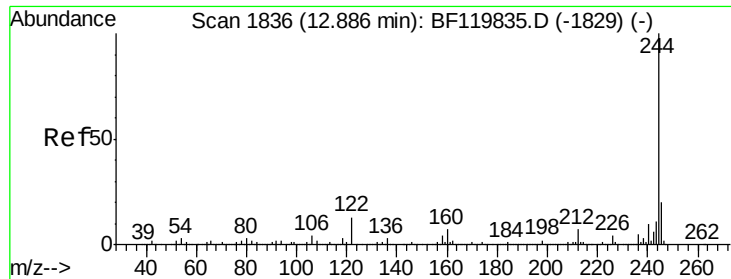


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 99.153 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

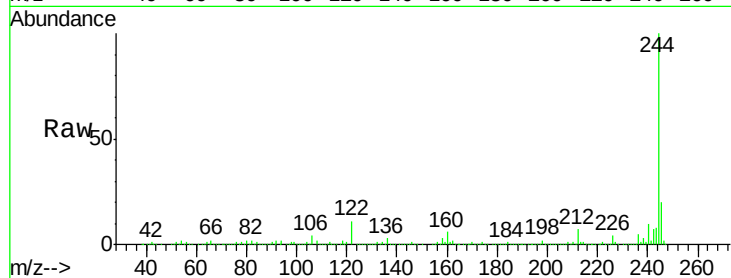
Tot Ion:244 Resp: 2251573

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

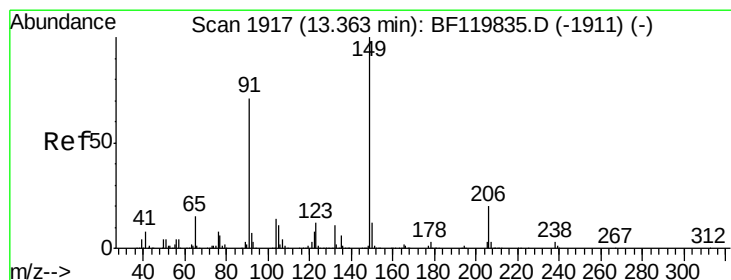
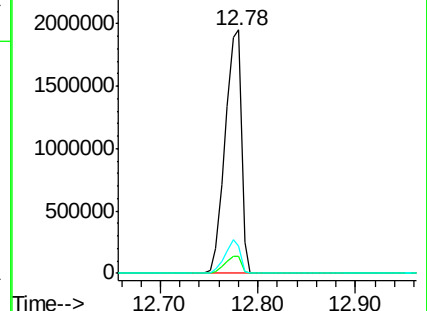
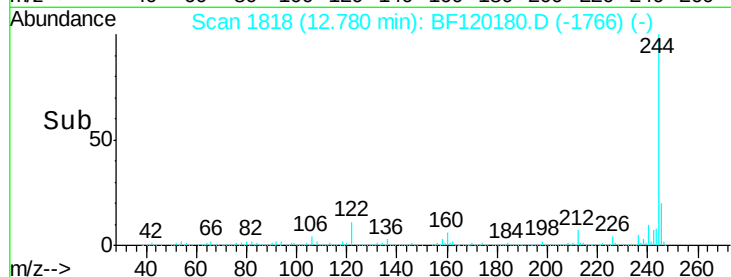
122 11.1 10.3 15.5



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: 51.167 ng

RT: 13.25 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

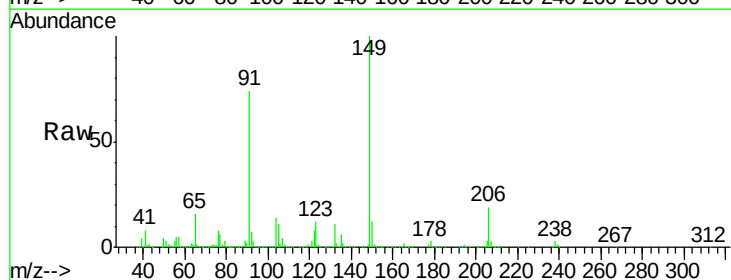
Tgt Ion:149 Resp: 799748

Ion Ratio Lower Upper

149 100

91 73.5 54.7 82.1

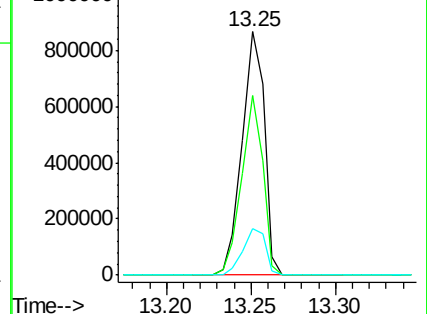
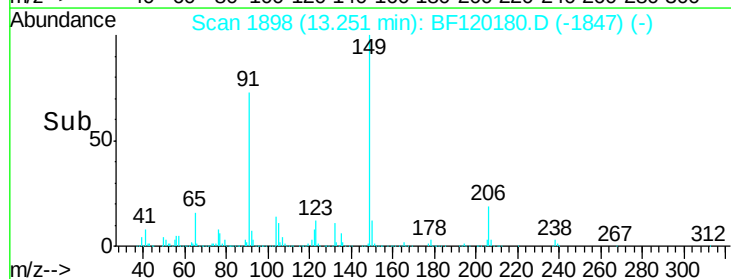
206 19.3 16.2 24.2

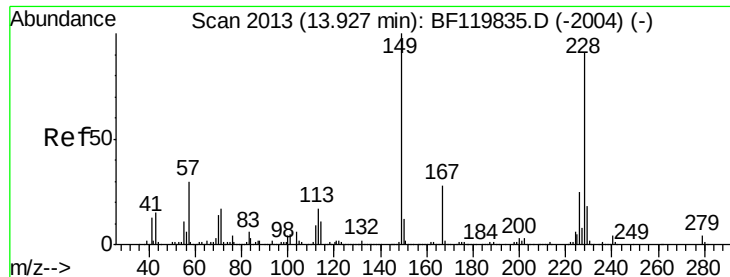


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 51.832 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MSD

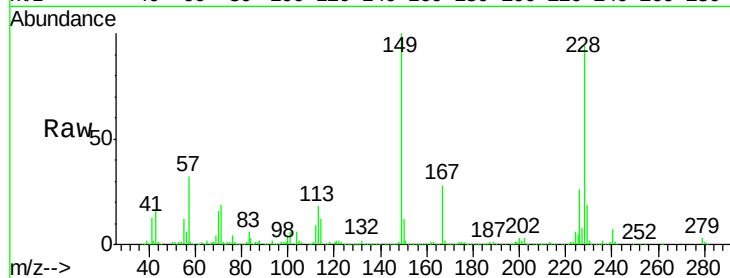
Tot Ion:228 Resp: 1302880

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

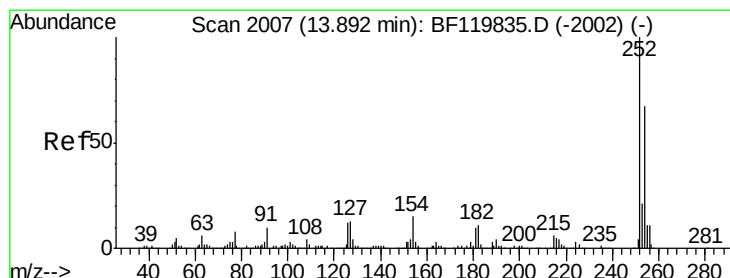
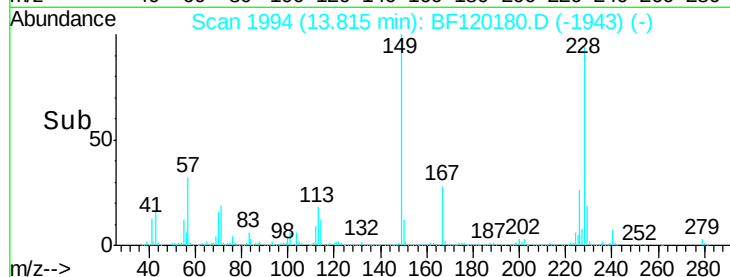
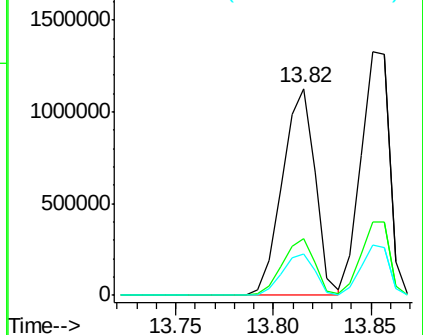
229 20.0 16.2 24.4



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



#82

3,3'-Dichlorobenzidine

Concen: 24.910 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

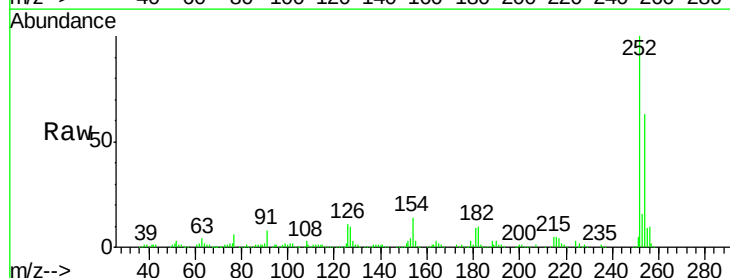
Tgt Ion:252 Resp: 233636

Ion Ratio Lower Upper

252 100

254 62.9 51.2 76.8

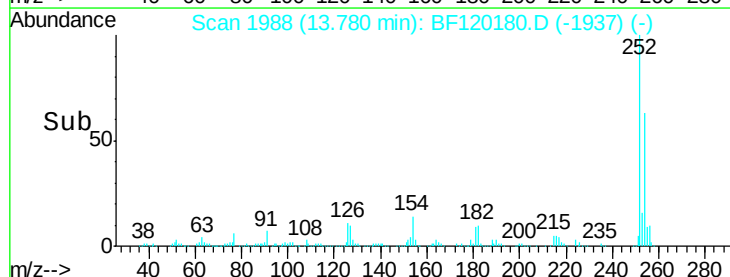
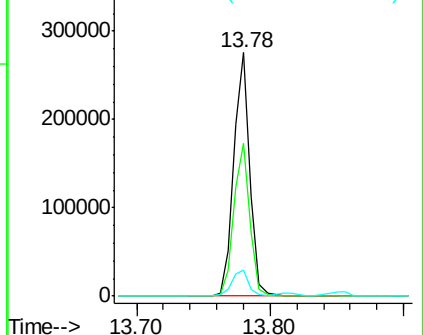
126 10.6 9.6 14.4

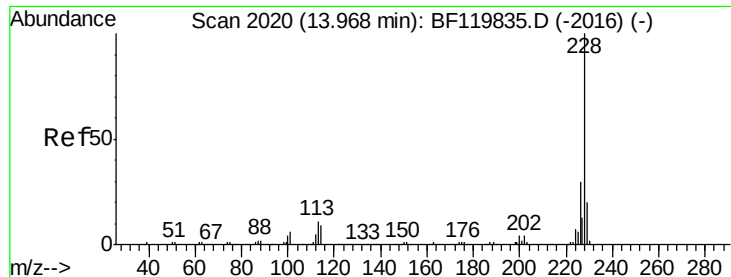


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 52.671 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Instrument :

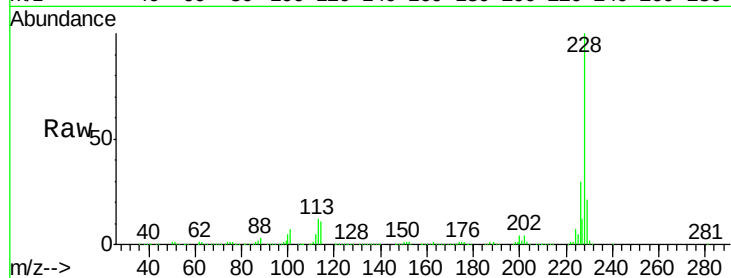
BNA_F

ClientSampleId :

PA-TWP-2MSD

Tot Ion:228 Resp: 1345295

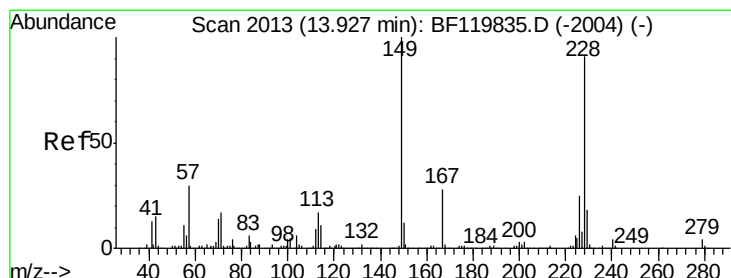
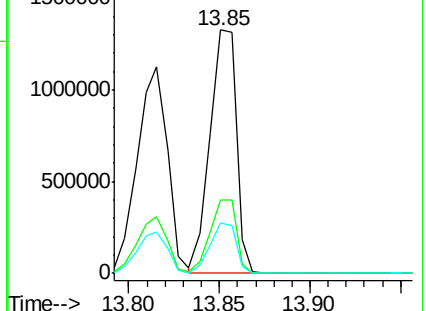
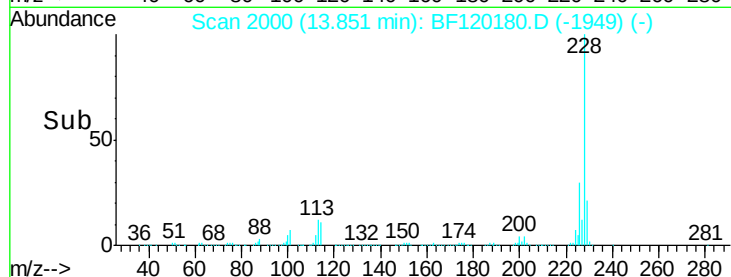
Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	20.8	16.6	24.8



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: 50.677 ng

RT: 13.82 min Scan# 1994

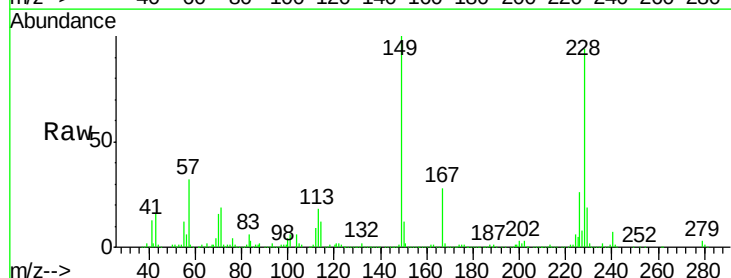
Delta R.T. -0.00 min

Lab File: BF120180.D

Acq: 23 Apr 2020 22:48

Tgt Ion:149 Resp: 1072655

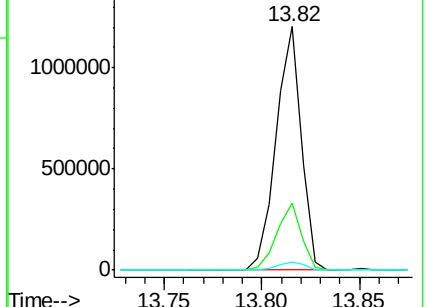
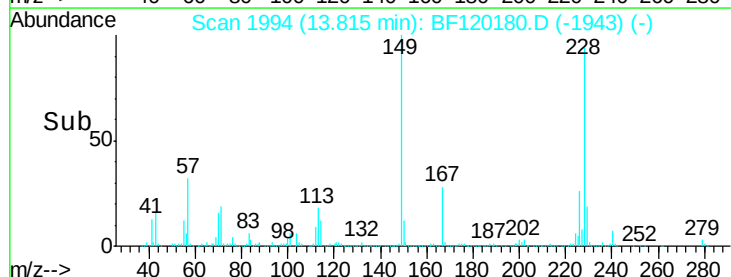
Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.3	31.9
279	3.5	2.7	4.1

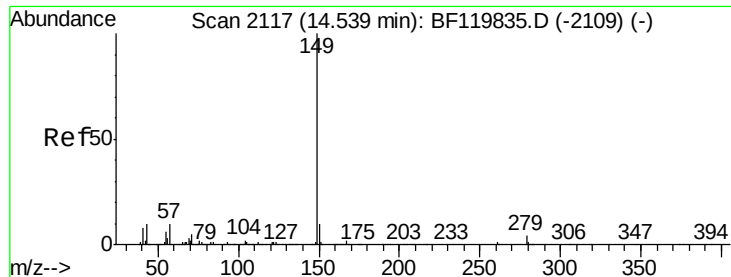


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

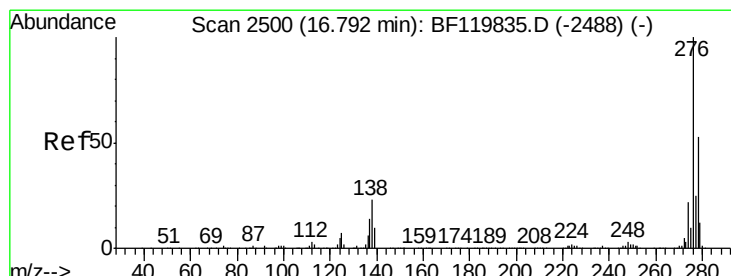
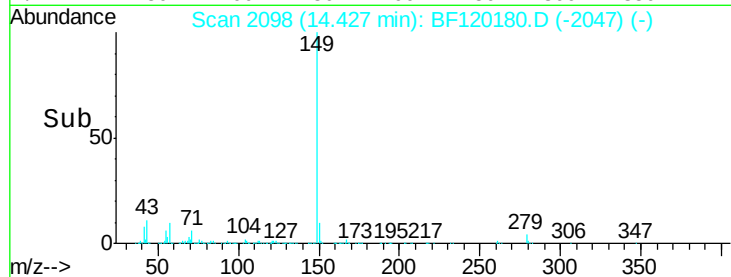
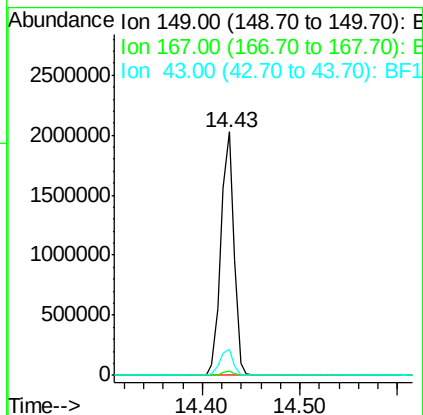
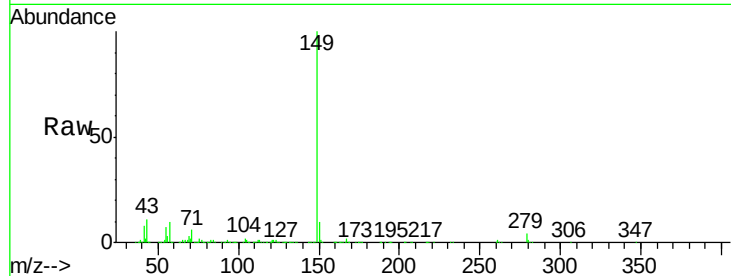




#85
 Di-n-octyl phthalate
 Concen: 52.203 ng
 RT: 14.43 min Scan# 2098
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

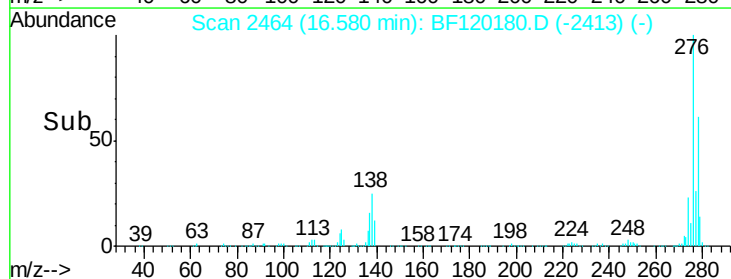
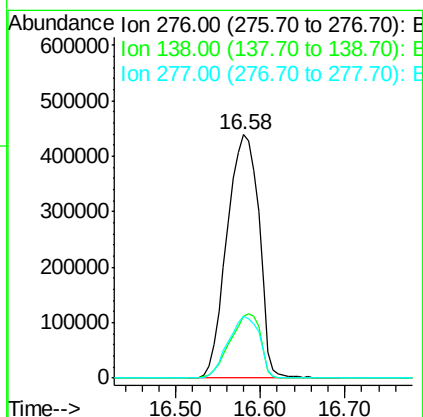
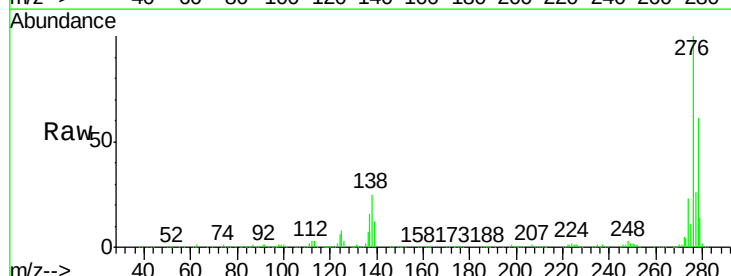
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MSD

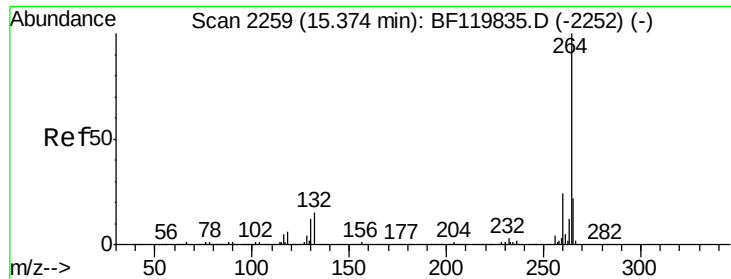
Tot Ion:149 Resp: 1881351
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 11.0 9.3 13.9



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 51.000 ng
 RT: 16.58 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: BF120180.D
 Acq: 23 Apr 2020 22:48

Tgt Ion:276 Resp: 1148230
 Ion Ratio Lower Upper
 276 100
 138 25.2 19.6 29.4
 277 25.2 20.0 30.0

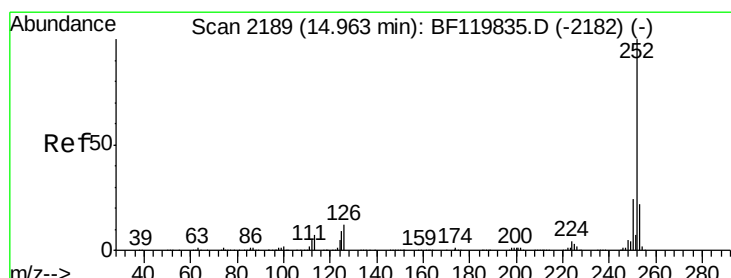
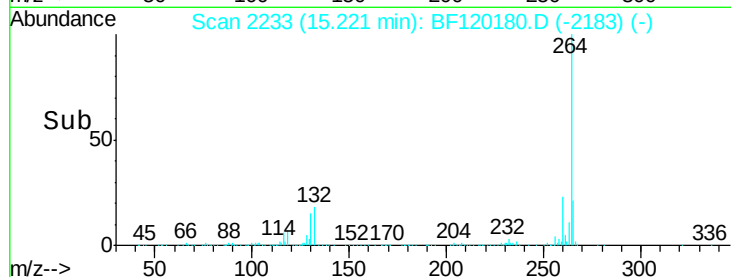
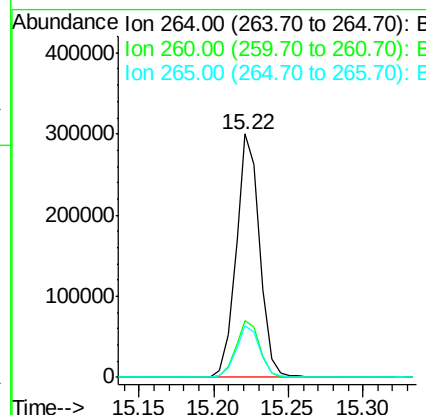
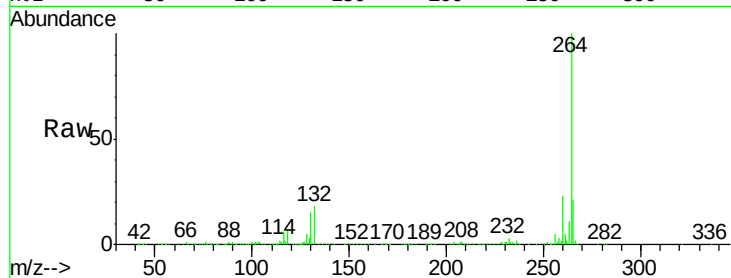




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

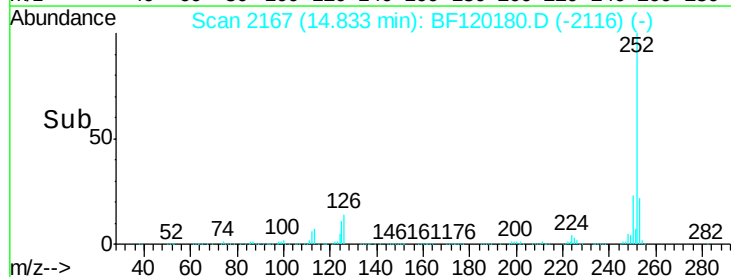
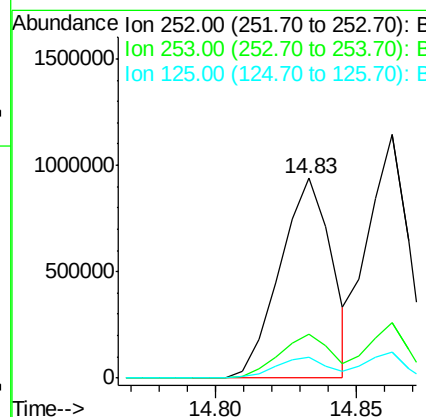
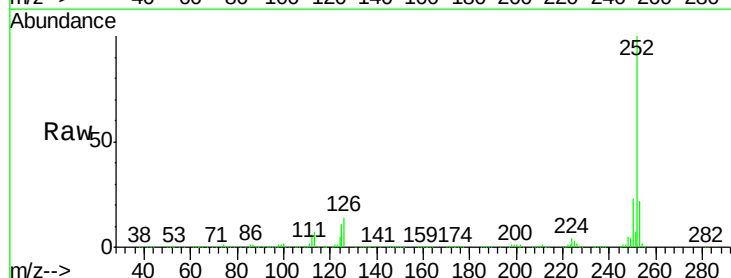
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

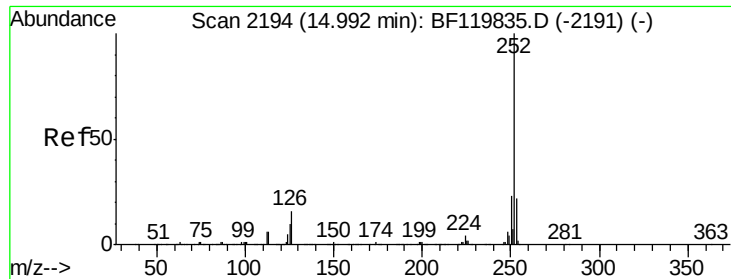
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.4	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 50.357 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	10.7	7.9	11.9

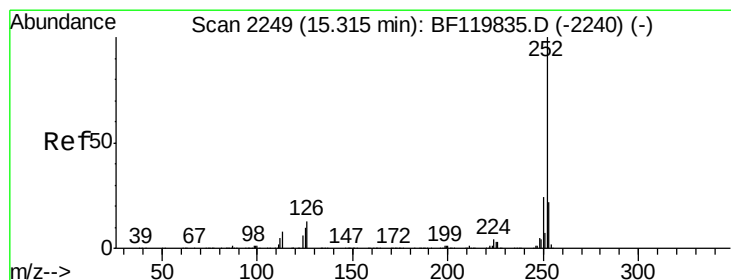
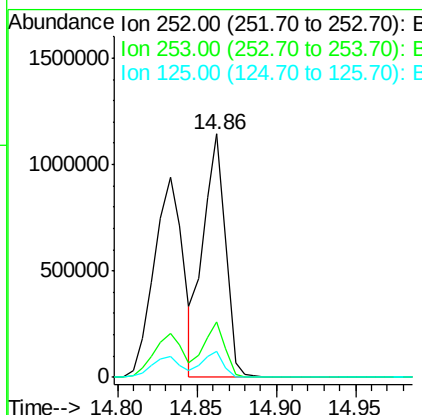
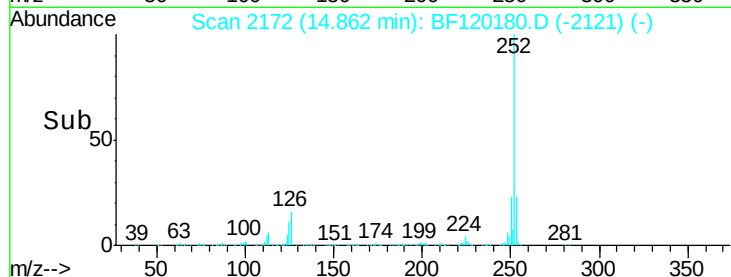
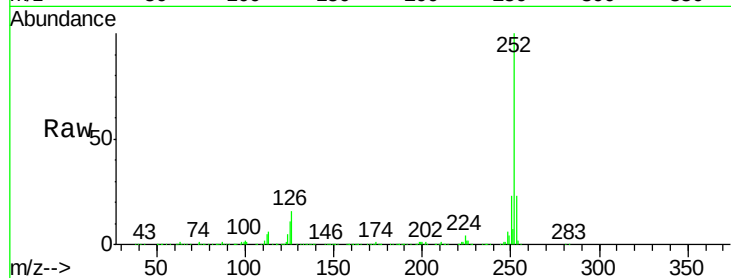




#89
Benzo(k)fluoranthene
Concen: 54.945 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

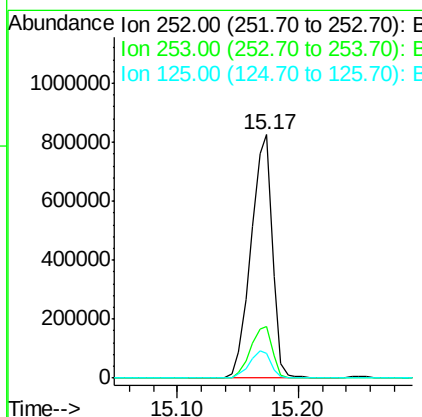
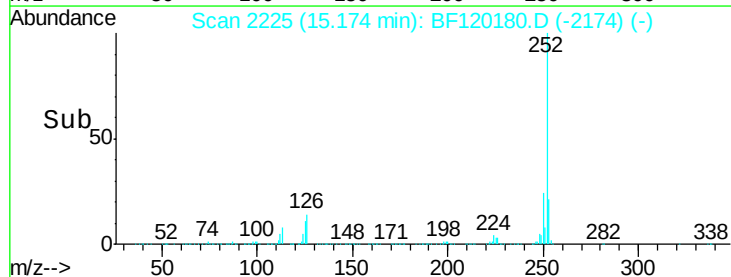
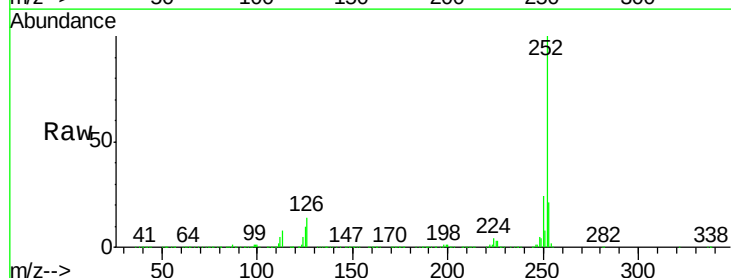
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

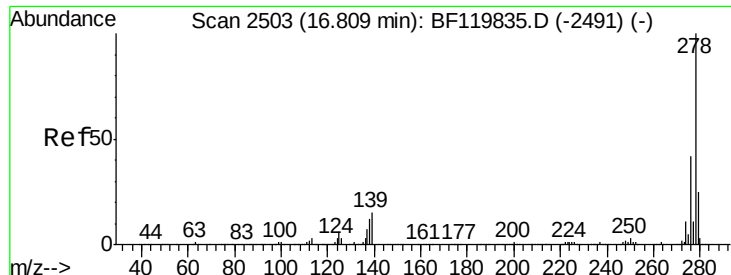
Tot Ion:252 Resp: 1128925
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 10.7 8.4 12.6



#90
Benzo(a)pyrene
Concen: 51.107 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion:252 Resp: 1023273
Ion Ratio Lower Upper
252 100
253 21.1 18.2 27.2
125 10.3 9.4 14.2



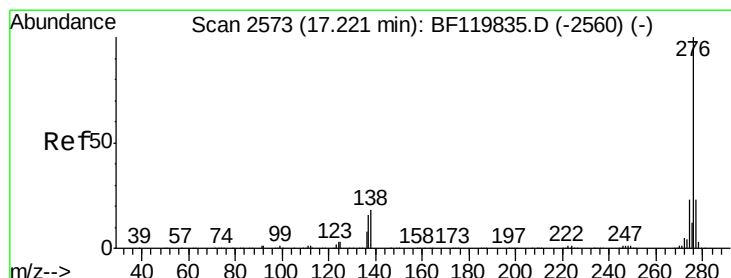
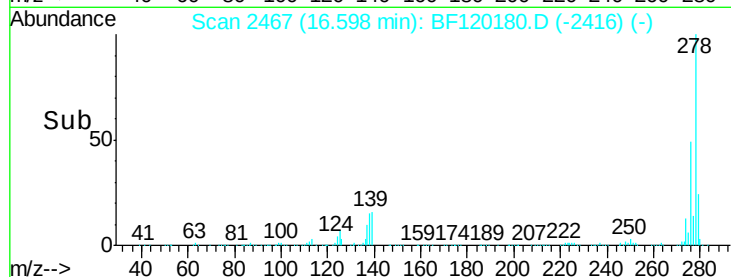
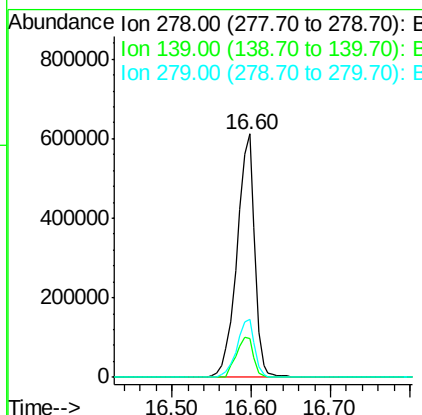
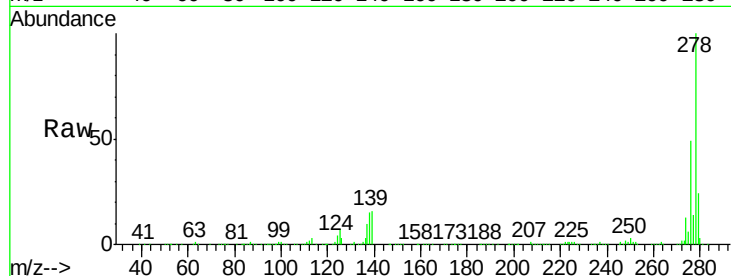


#91
Dibenzo(a,h)anthracene
Concen: 53.628 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MSD

Tot Ion:278 Resp: 951123

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.6	19.0
279	23.8	19.0	28.6



#92
Benzo(g,h,i)perylene
Concen: 53.915 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.00 min
Lab File: BF120180.D
Acq: 23 Apr 2020 22:48

Tgt Ion:276 Resp: 943872

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.4	27.6
138	21.6	15.4	23.0

