

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092220\
 Data File : BF121665.D
 Acq On : 23 Sep 2020 4:06
 Operator : JU/CG
 Sample : L4053-05DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1799-1801DL

Quant Time: Sep 23 05:25:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:53:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	157246	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	536747	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	294836	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	447041	20.00	ng	0.00
76) Chrysene-d12	13.97	240	317411	20.00	ng	0.00
86) Perylene-d12	15.43	264	340351	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	129122	12.20	ng	0.00
7) Phenol-d6	6.45	99	101574	7.32	ng	0.00
23) Nitrobenzene-d5	7.38	82	222278	22.23	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	83953	22.91	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	402534	20.68	ng	0.00
79) Terphenyl-d14	12.92	244	281795	17.99	ng	0.00

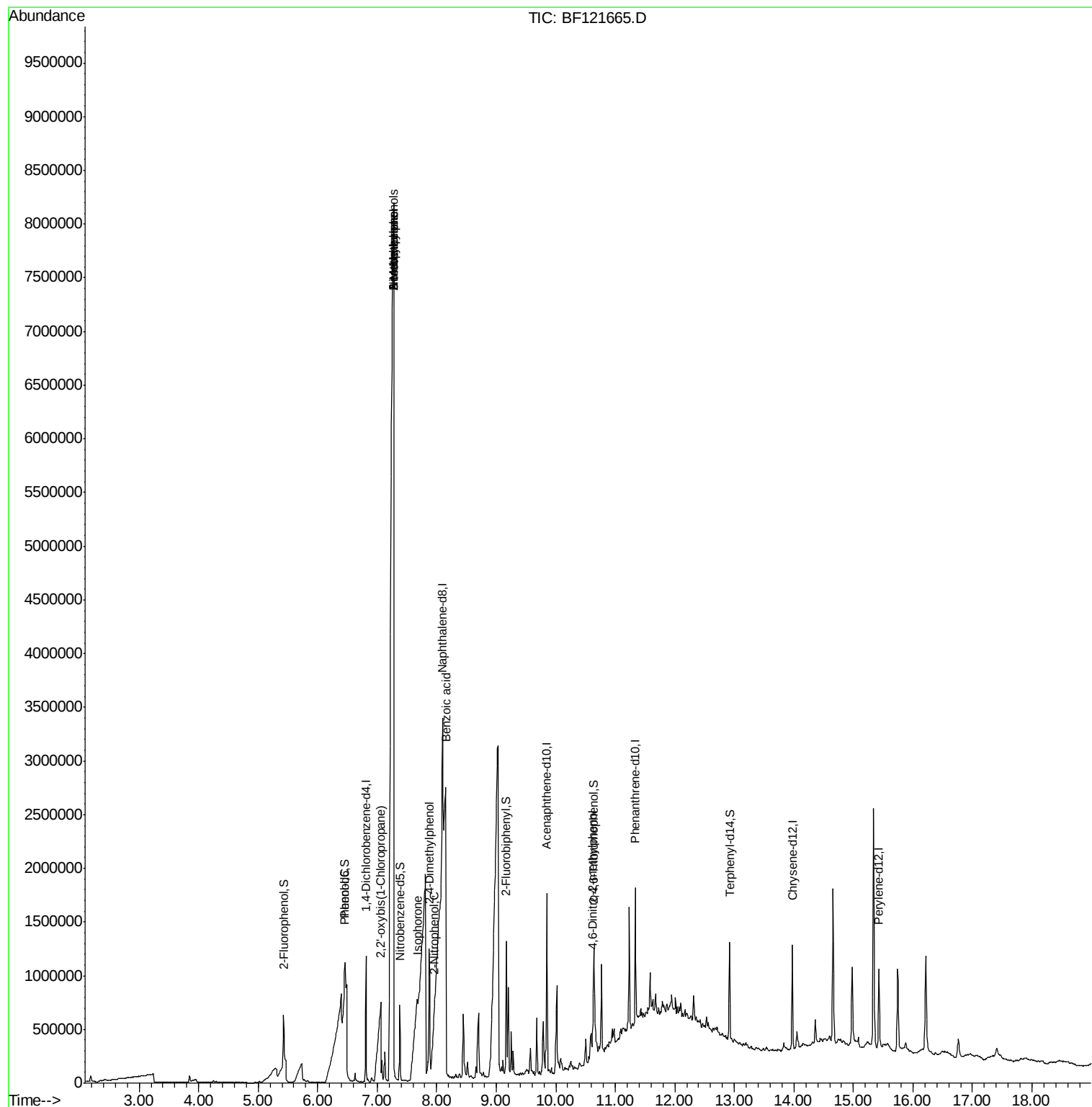
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	111945	7.573	ng	# 75
16) 2,2'-oxybis(1-Chloropropan	7.06	45	78936	4.403	ng	# 75
17) 2-Methylphenol	7.27	107	6788536	740.600	ng	# 75
20) 3+4-Methylphenols	7.27	107	6800046	617.450	ng	# 57
22) Acetophenone	7.27	105	65985	4.845	ng	# 1
24) Nitrobenzene	7.27	77	2282304	211.088	ng	# 45
25) Isophorone	7.67	82	65164	3.238	ng	# 73
26) 2-Nitrophenol	7.95	139	384	2.631	ng	# 1
27) 2,4-Dimethylphenol	7.87	122	193433	21.534	ng	# 5
32) Benzoic acid	8.16	122	3998327	517.317	ng	# 98
65) 4,6-Dinitro-2-methylphenol	10.62	198	124	6.891	ng	# 1

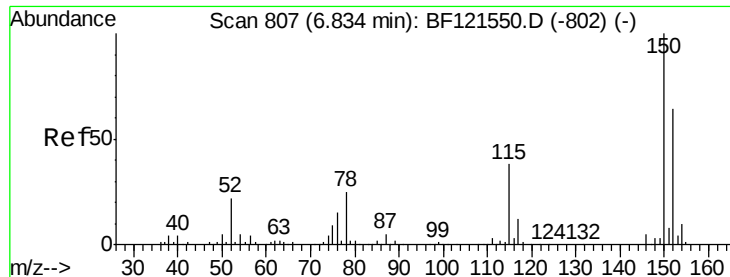
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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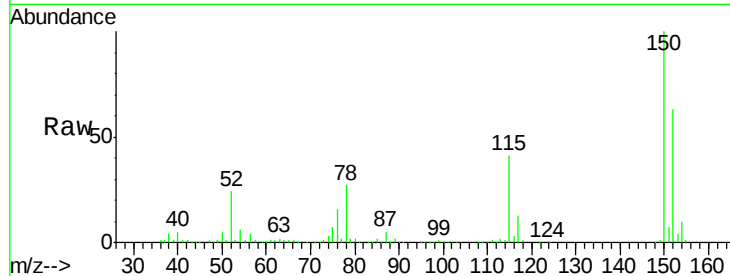


#1

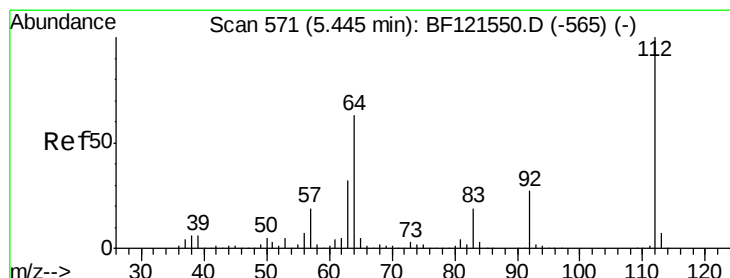
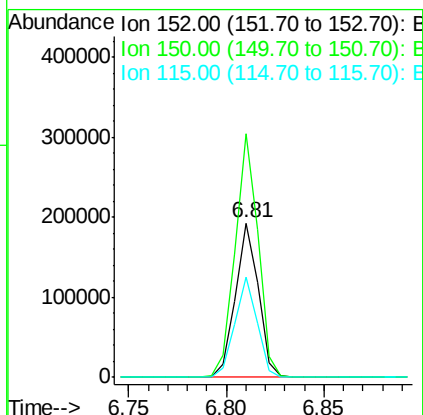
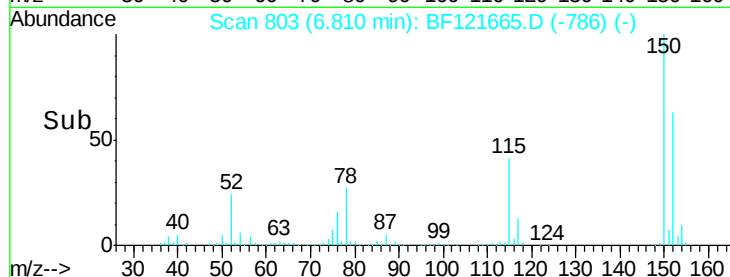
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF121665.D
Acq: 23 Sep 2020 4:06

Instrument :
BNA_F
ClientSampleId :
1799-1801DL

Tot Ion:152 Resp: 157246
Ion Ratio Lower Upper
152 100
150 157.5 128.1 192.1
115 64.5 52.6 79.0



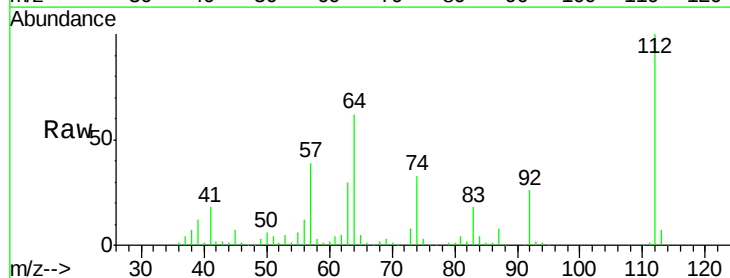
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



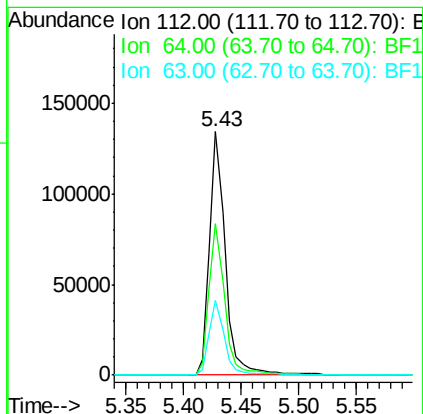
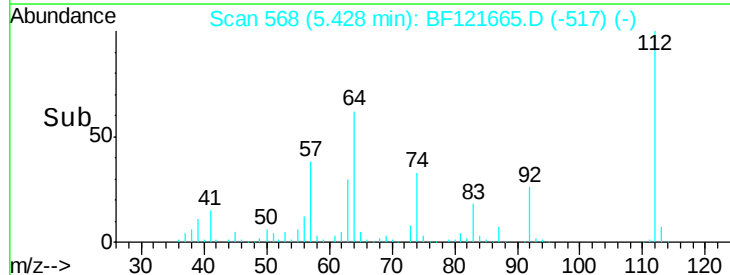
#5

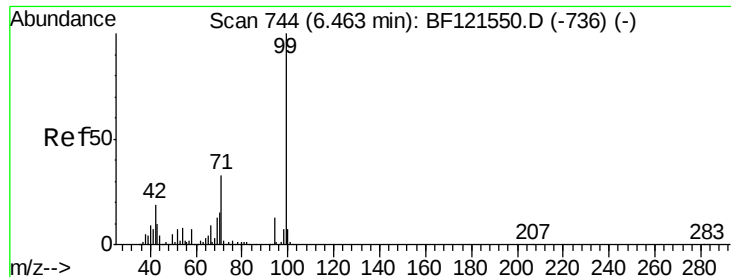
2-Fluorophenol
Concen: 12.203 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF121665.D
Acq: 23 Sep 2020 4:06

Tgt Ion:112 Resp: 129122
Ion Ratio Lower Upper
112 100
64 62.4 52.2 78.2
63 30.4 26.6 39.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 7.317 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

Instrument :

BNA_F

ClientSampleID :

1799-1801DL

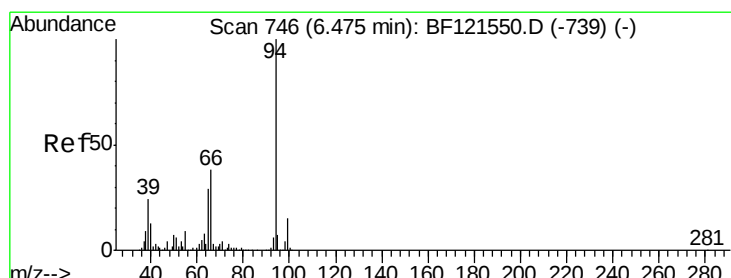
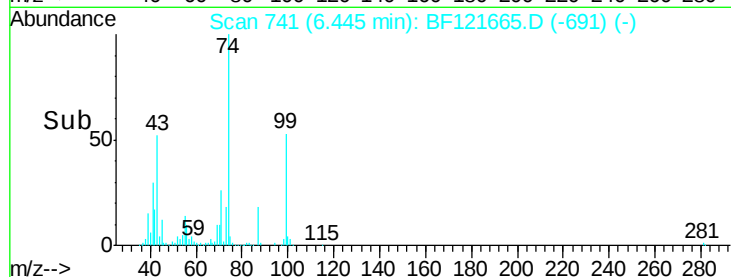
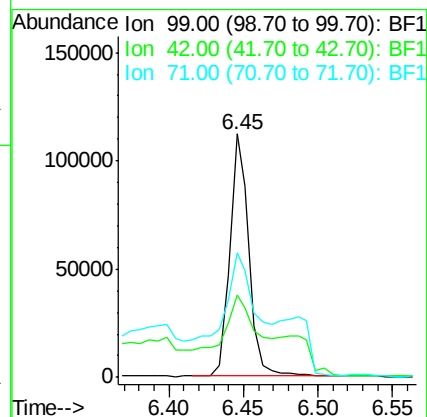
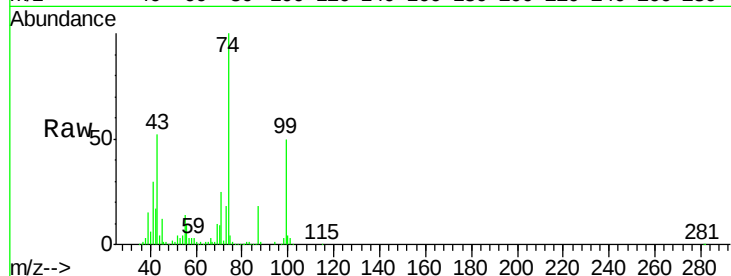
Tot Ion: 99 Resp: 101574

Ion Ratio Lower Upper

99 100

42 33.7 15.5 23.3#

71 50.9 27.4 41.2#



#10

Phenol

Concen: 7.573 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

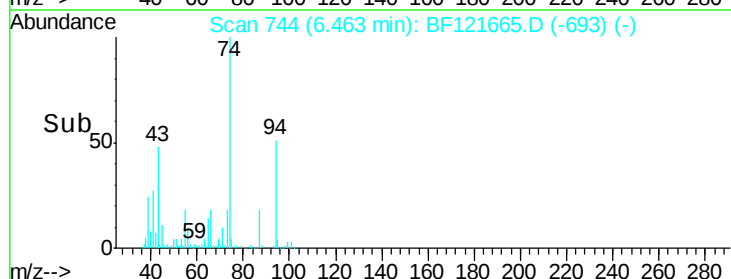
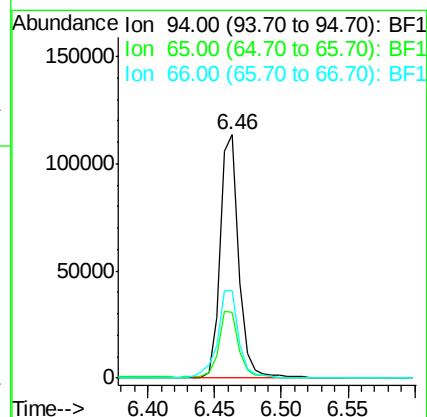
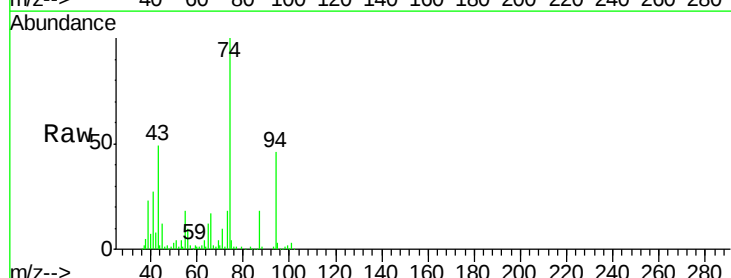
Tgt Ion: 94 Resp: 111945

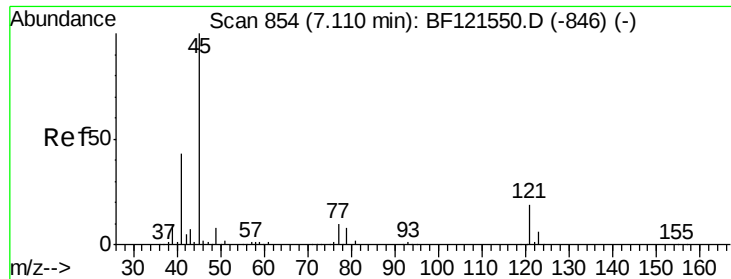
Ion Ratio Lower Upper

94 100

65 27.1 17.8 57.8

66 36.0 37.8 77.8#

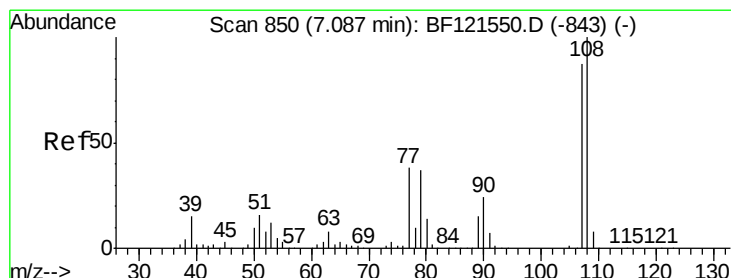
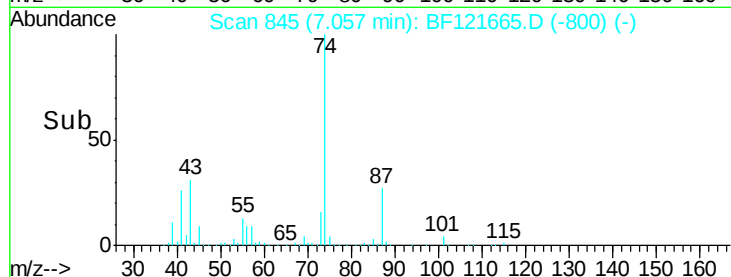
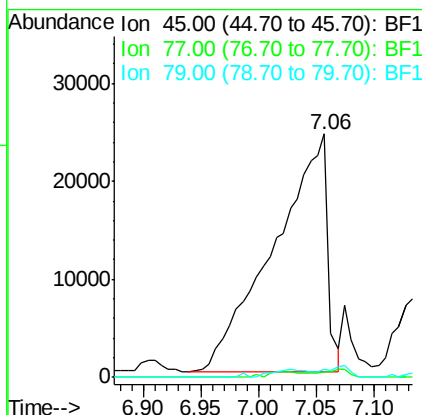
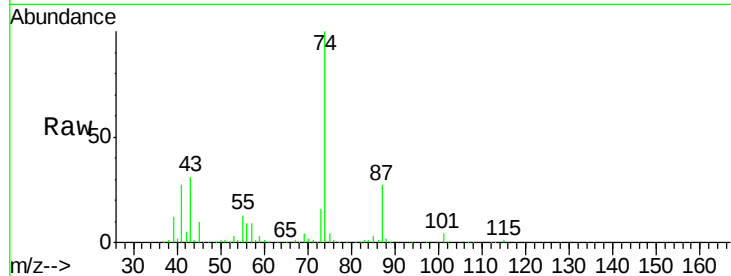




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 4.403 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.04 min
Lab File: BF121665.D
Acq: 23 Sep 2020 4:06

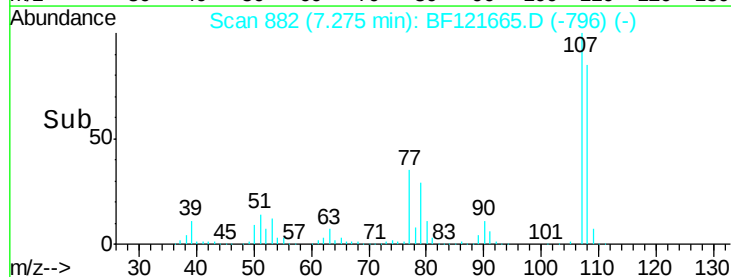
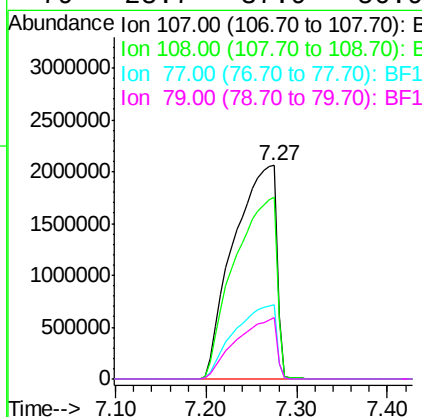
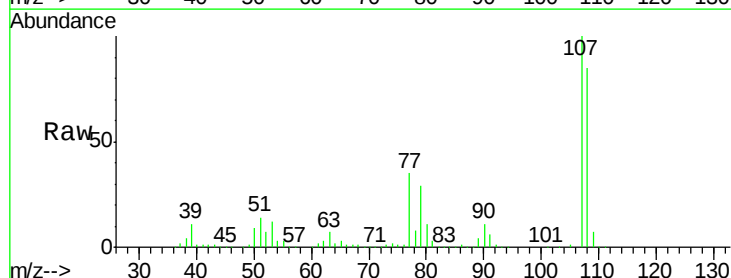
Instrument :
BNA_F
ClientSampleId :
1799-1801DL

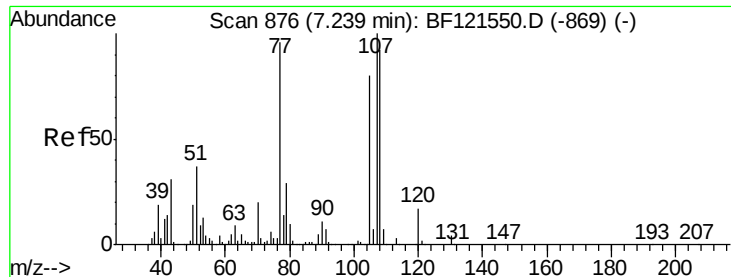
Tot Ion	Ratio	Lower	Upper
45	100		
77	2.5	0.0	33.8
79	3.3	0.0	31.2



#17
2-Methylphenol
Concen: 740.600 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.21 min
Lab File: BF121665.D
Acq: 23 Sep 2020 4:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.2	90.6	135.8#
77	34.8	38.7	58.1#
79	28.7	37.9	56.9#





#20

3+4-Methylphenols

Concen: 617.450 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.05 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

Instrument :

BNA_F

ClientSampleId :

1799-1801DL

Tot Ion:107 Resp: 6800046

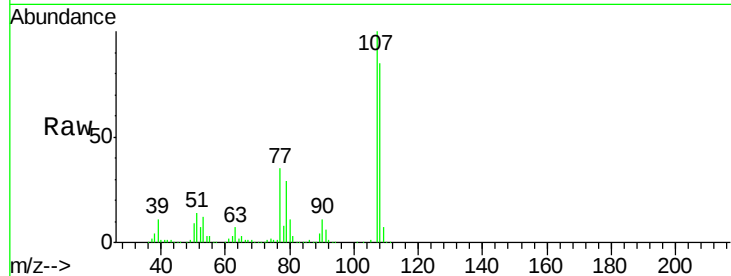
Ion Ratio Lower Upper

107 100

108 85.2 67.0 107.0

77 34.8 107.7 147.7#

79 28.7 10.3 50.3

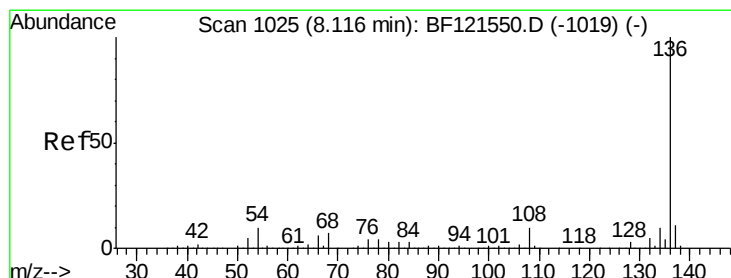
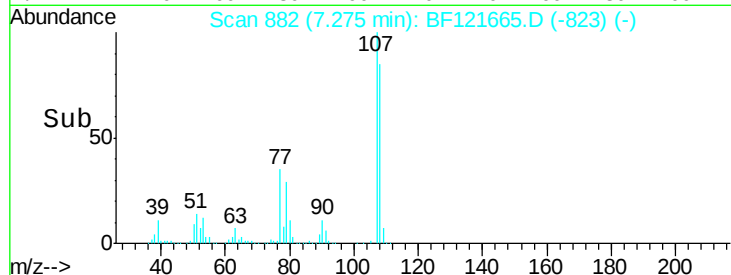
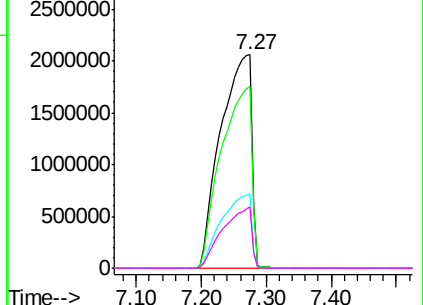


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

Tgt Ion:136 Resp: 536747

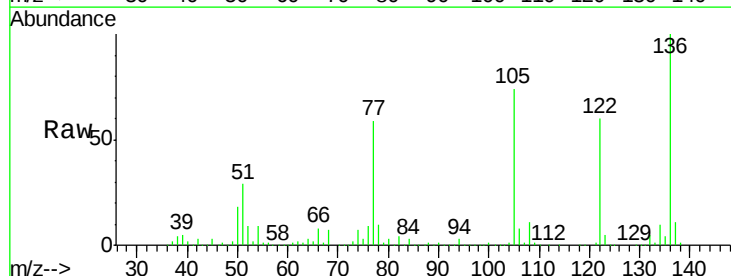
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.2 7.4 11.0

68 6.5 5.3 7.9

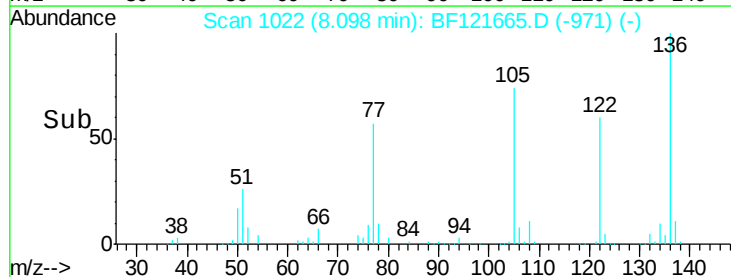
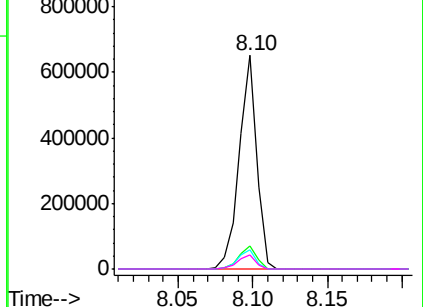


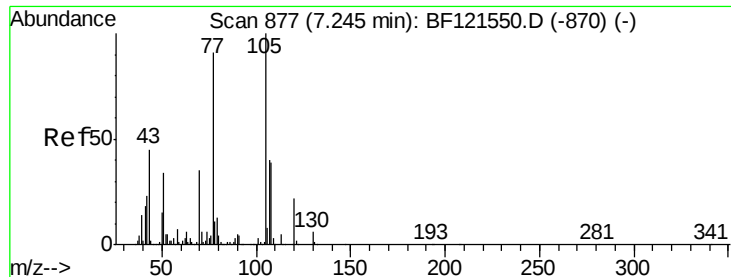
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.845 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.05 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

Instrument :

BNA_F

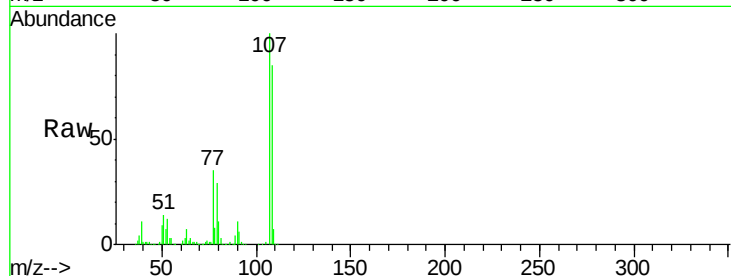
ClientSampleID :

1799-1801DL

Tot Ion:105 Resp: 65985

Ion Ratio Lower Upper

105	100		
71	2.2	5.5	8.3#
51	1391.5	31.7	47.5#
120	0.0	17.4	26.2#

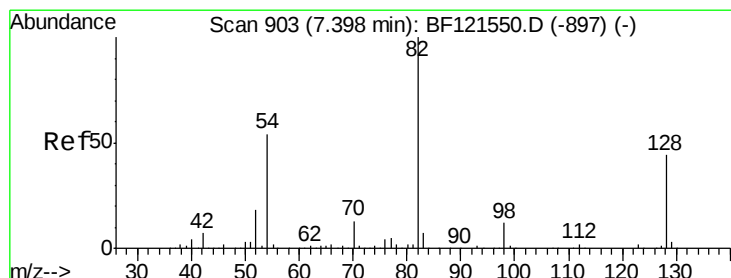
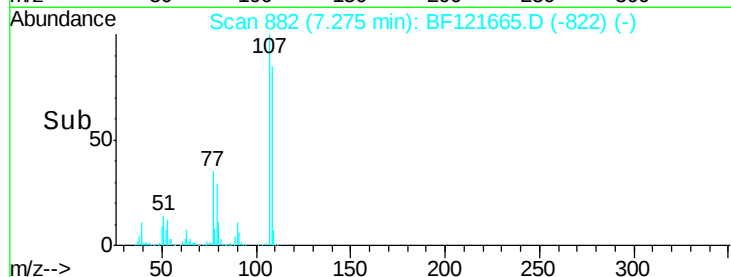
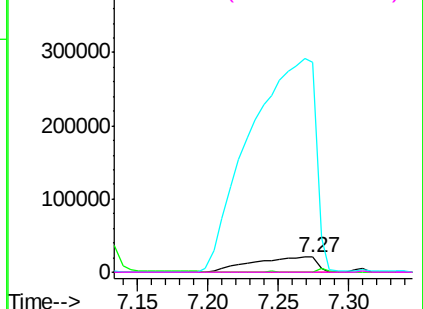


Abundance Ion 105.00 (104.70 to 105.70): E

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: 22.235 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.00 min

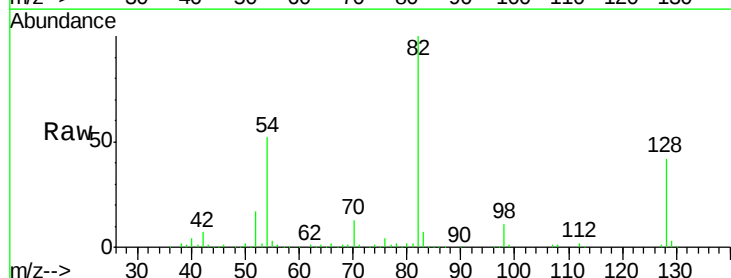
Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

Tgt Ion: 82 Resp: 222278

Ion Ratio Lower Upper

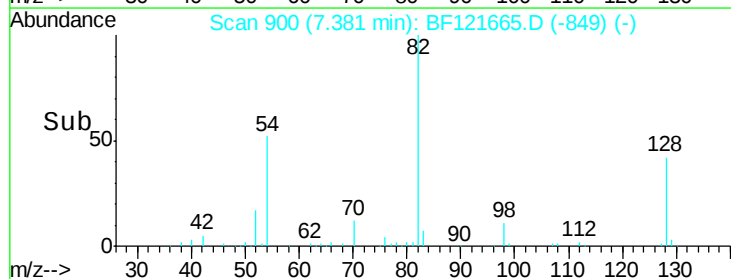
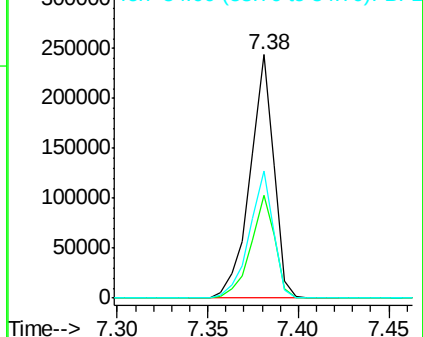
82	100		
128	42.0	33.9	50.9
54	52.4	42.9	64.3

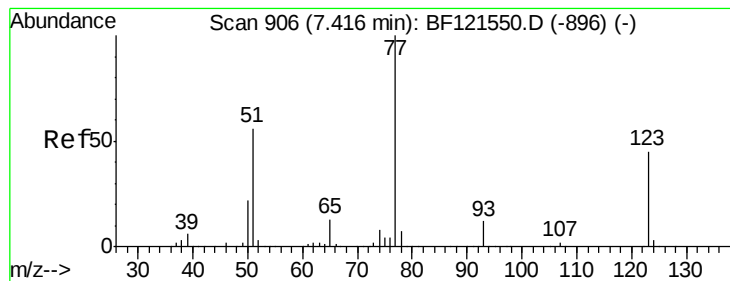


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 211.088 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.12 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

Instrument :

BNA_F

ClientSampleId :

1799-1801DL

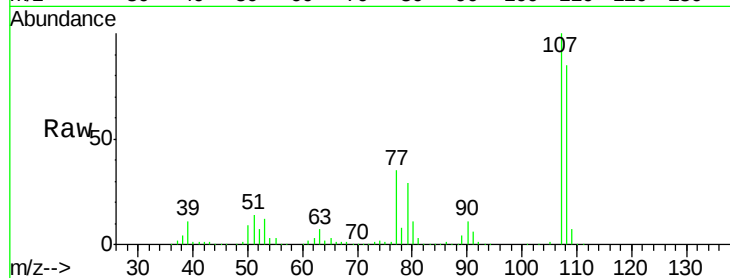
Tot Ion: 77 Resp: 2282304

Ion Ratio Lower Upper

77 100

123 0.0 35.8 53.8#

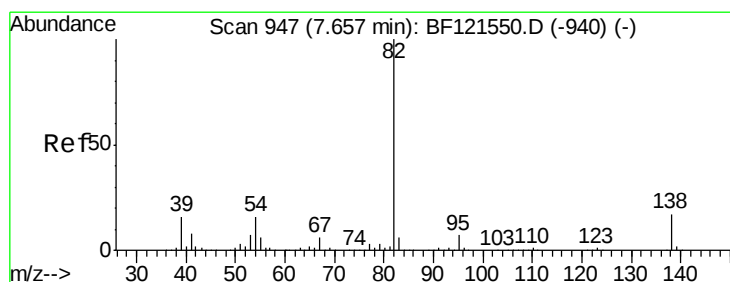
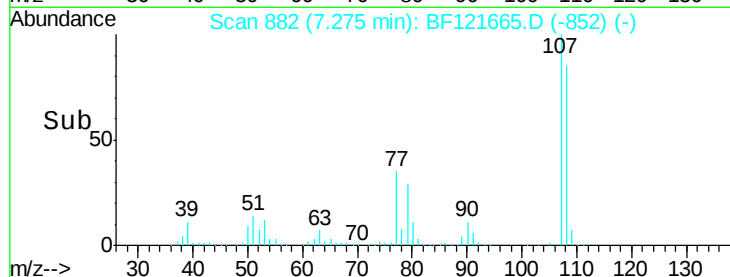
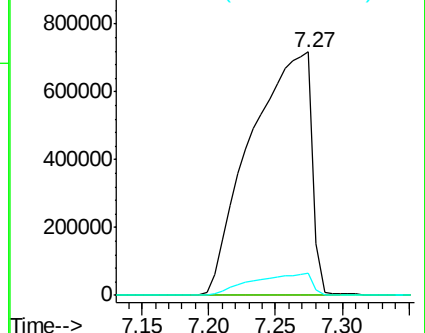
65 9.3 11.2 16.8#



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: 3.238 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.04 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

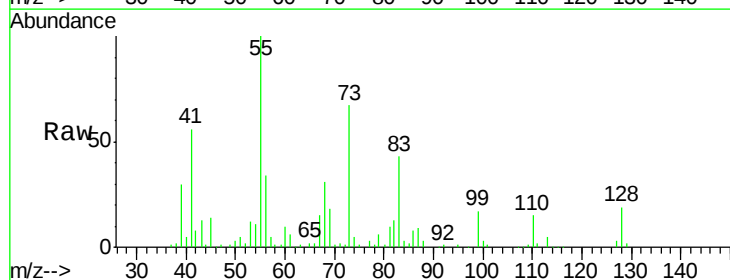
Tgt Ion: 82 Resp: 65164

Ion Ratio Lower Upper

82 100

95 7.2 5.8 8.6

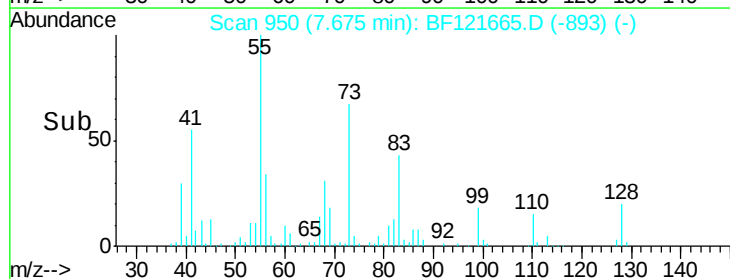
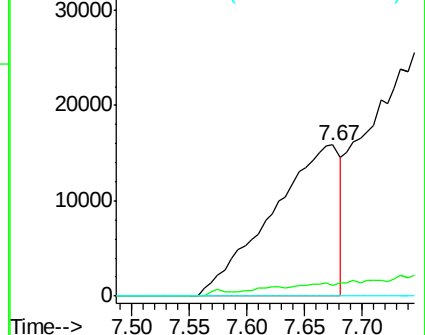
138 0.0 13.2 19.8#

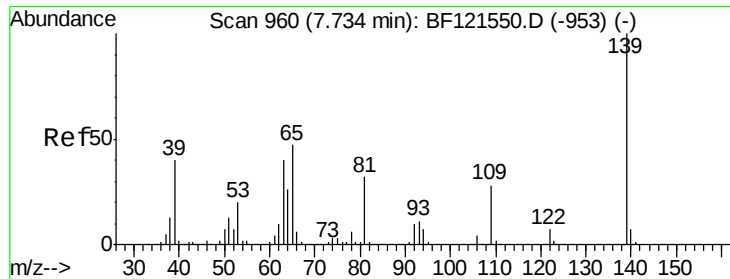


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

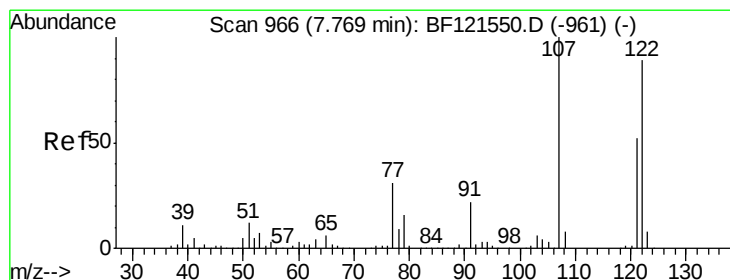
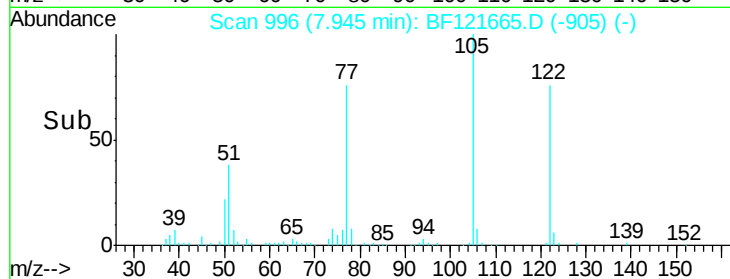
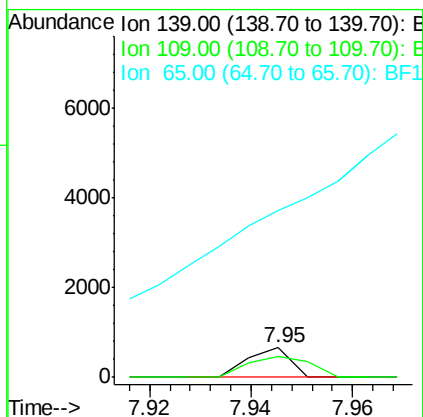
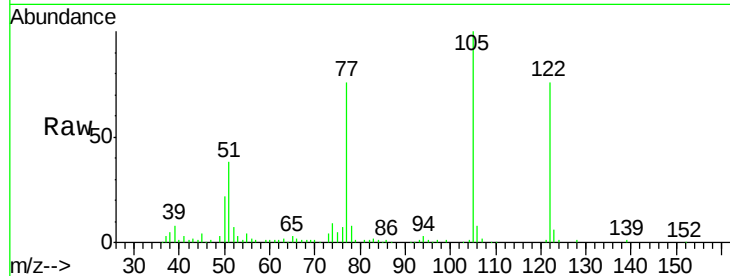




#26
 2-Nitrophenol
 Concen: 2.631 ng
 RT: 7.95 min Scan# 996
 Delta R.T. 0.24 min
 Lab File: BF121665.D
 Acq: 23 Sep 2020 4:06

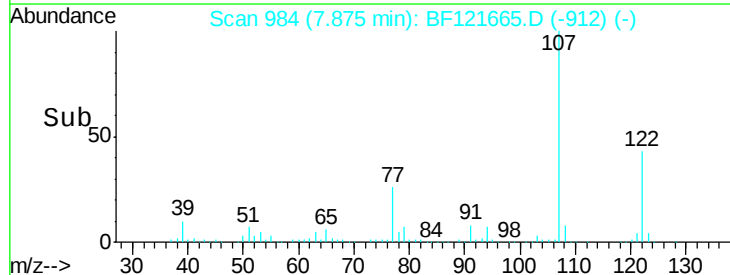
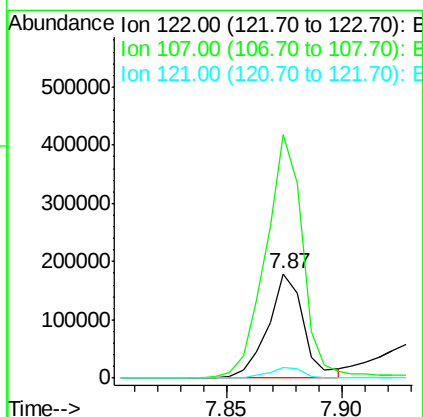
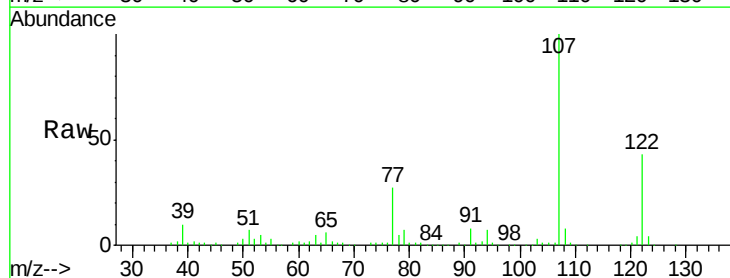
Instrument :
 BNA_F
 ClientSampleId :
 1799-1801DL

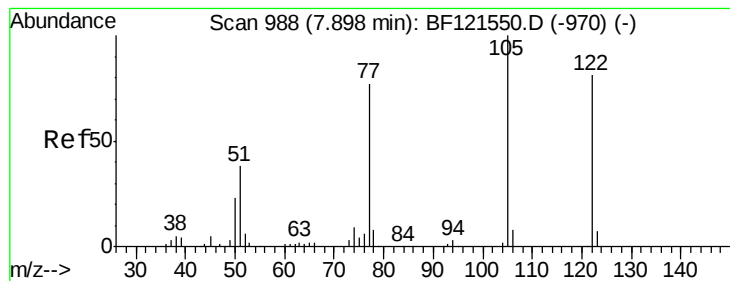
Tot Ion	Ratio	Lower	Upper
139	100		
109	73.6	23.4	35.2#
65	568.6	41.0	61.4#



#27
 2,4-Dimethylphenol
 Concen: 21.534 ng
 RT: 7.87 min Scan# 984
 Delta R.T. 0.12 min
 Lab File: BF121665.D
 Acq: 23 Sep 2020 4:06

Tgt Ion	Ratio	Lower	Upper
122	100		
107	233.8	91.4	137.0#
121	10.4	46.2	69.2#





#32

Benzoic acid

Concen: 517.317 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.27 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

Instrument :

BNA_F

ClientSampleId :

1799-1801DL

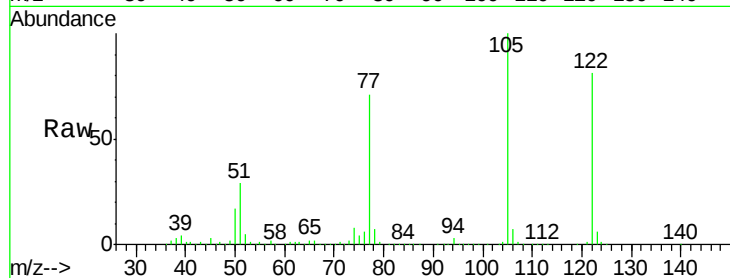
Tot Ion:122 Resp: 3998327

Ion Ratio Lower Upper

122 100

105 124.2 101.9 141.9

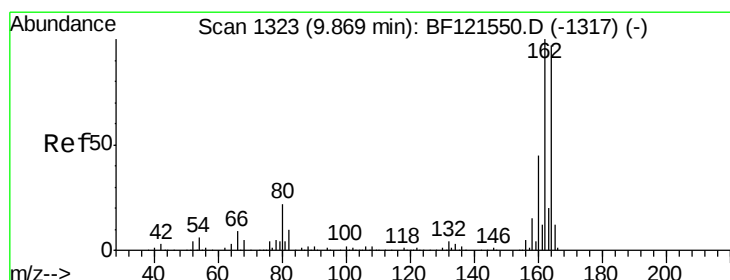
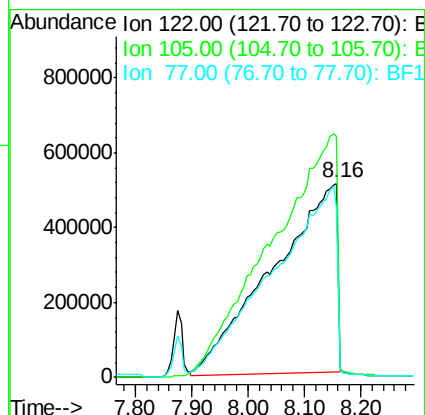
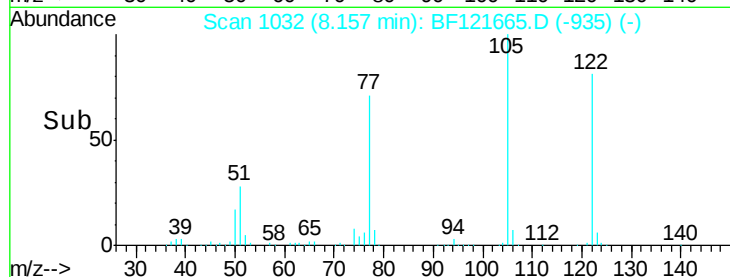
77 87.9 69.0 109.0



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

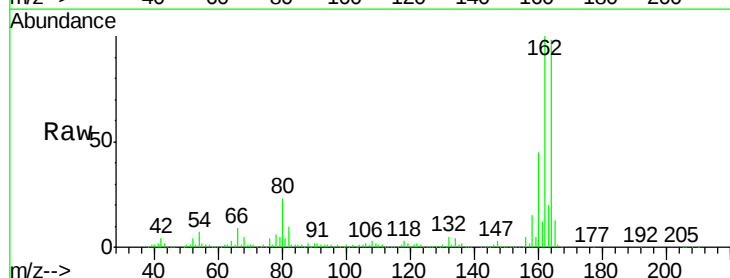
Tgt Ion:164 Resp: 294836

Ion Ratio Lower Upper

164 100

162 102.4 81.2 121.8

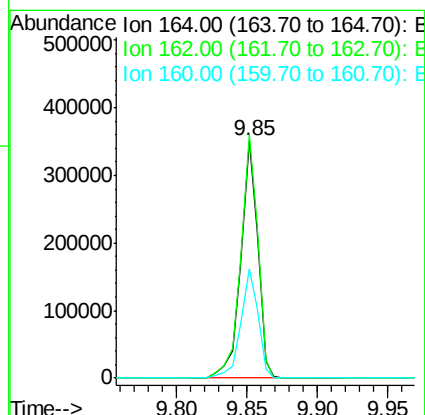
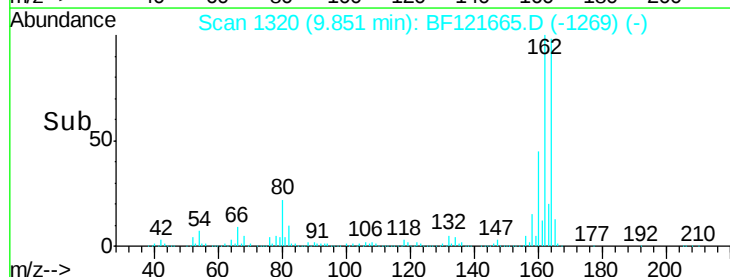
160 46.0 36.2 54.4

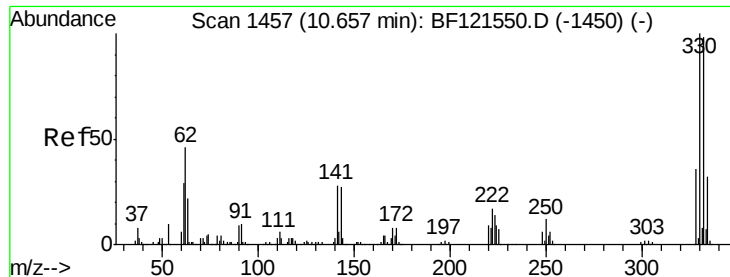


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 22.910 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

Instrument :

BNA_F

ClientSampleId :

1799-1801DL

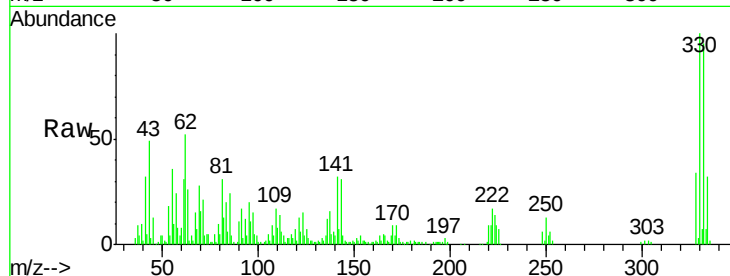
Tot Ion:330 Resp: 83953

Ion Ratio Lower Upper

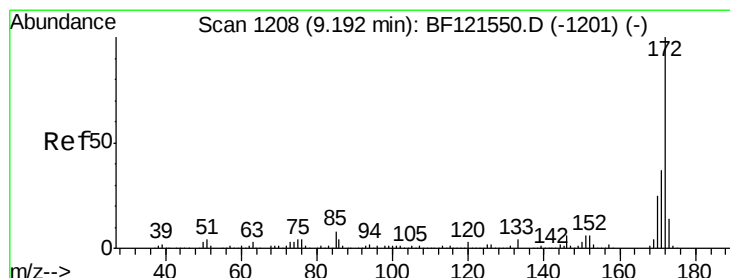
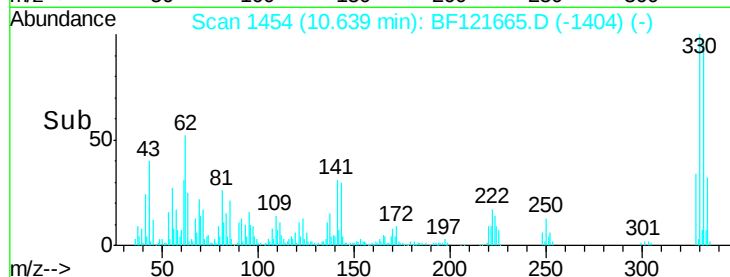
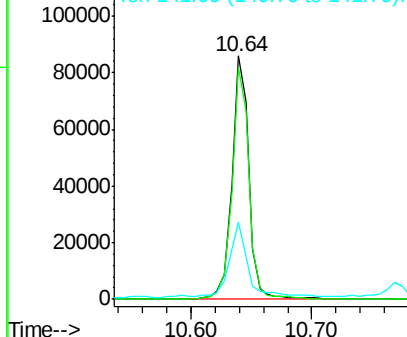
330 100

332 95.5 76.9 115.3

141 35.8 22.4 33.6#



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



#45

2-Fluorobiphenyl

Concen: 20.678 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

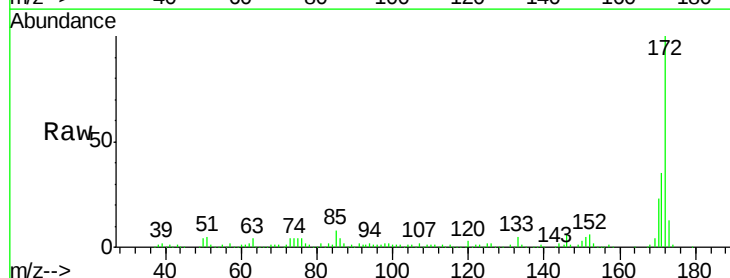
Tgt Ion:172 Resp: 402534

Ion Ratio Lower Upper

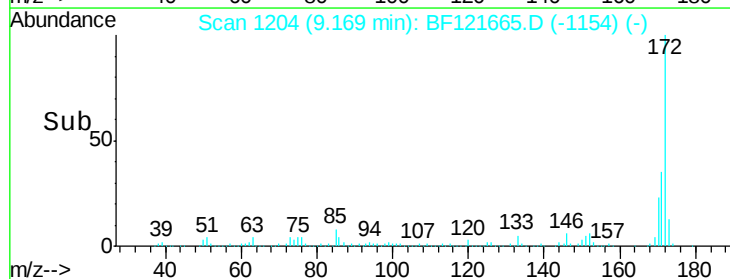
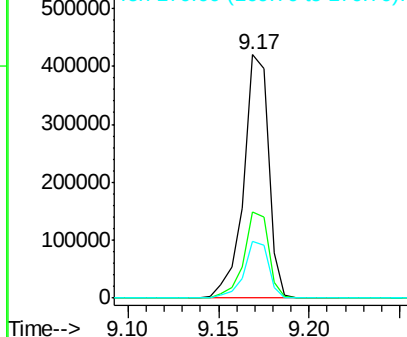
172 100

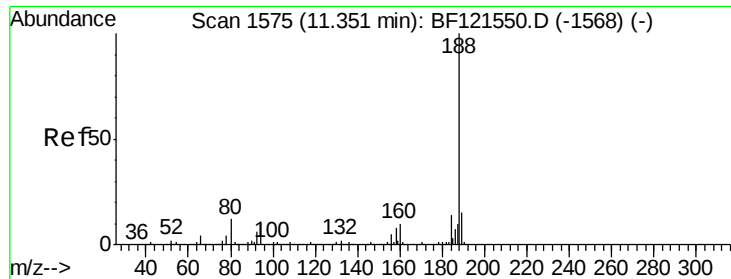
171 35.2 29.3 43.9

170 23.4 19.5 29.3



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

Instrument :

BNA_F

ClientSampleId :

1799-1801DL

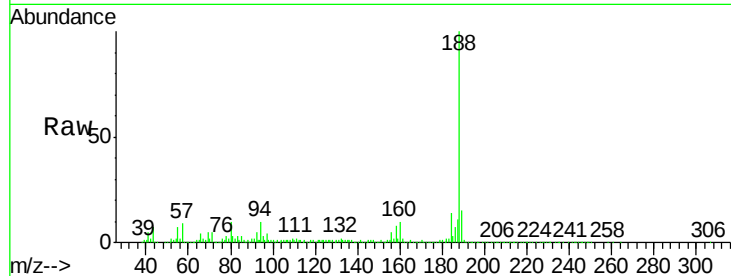
Tot Ion:188 Resp: 447041

Ion Ratio Lower Upper

188 100

94 10.0 8.4 12.6

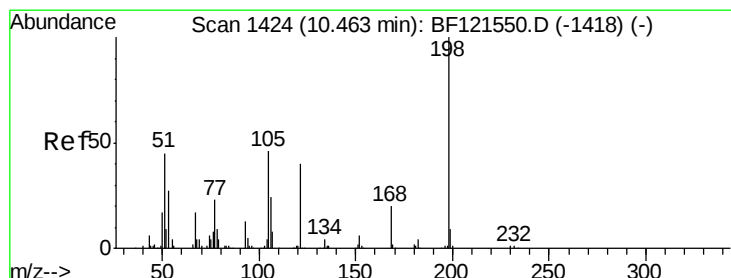
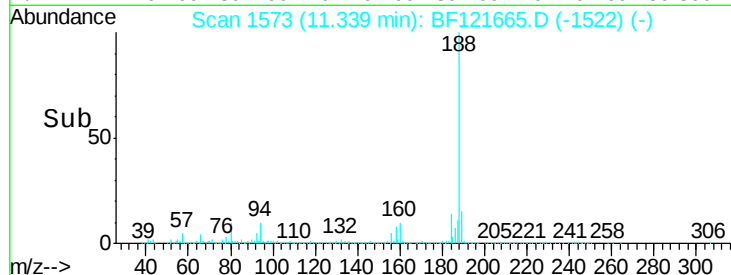
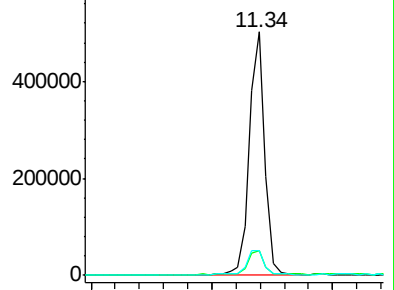
80 10.3 9.0 13.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 6.891 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.17 min

Lab File: BF121665.D

Acq: 23 Sep 2020 4:06

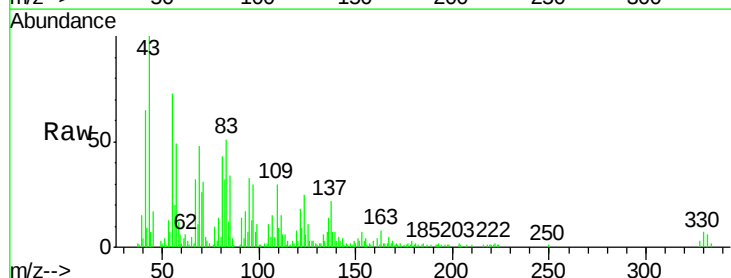
Tgt Ion:198 Resp: 124

Ion Ratio Lower Upper

198 100

51 508.3 20.3 60.3#

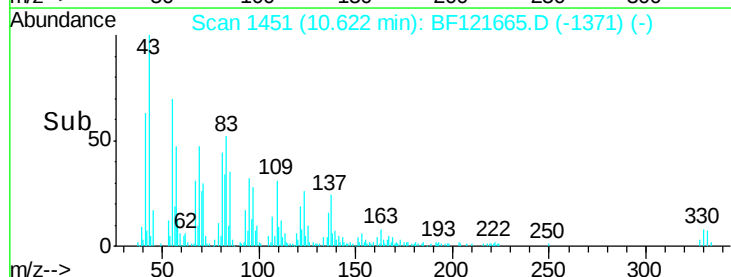
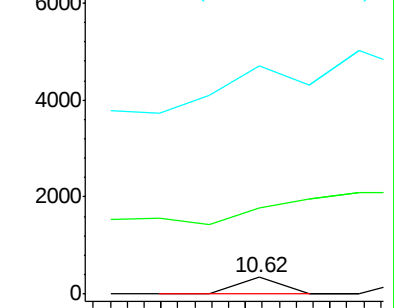
105 1343.1 20.2 60.2#

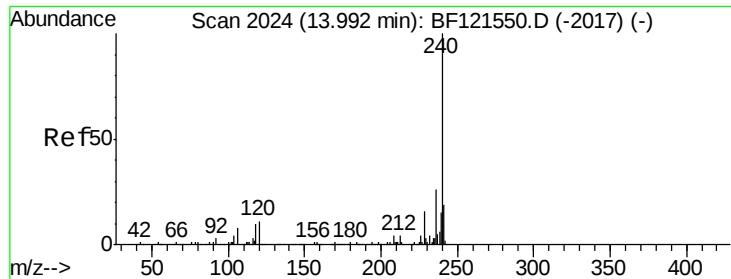


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

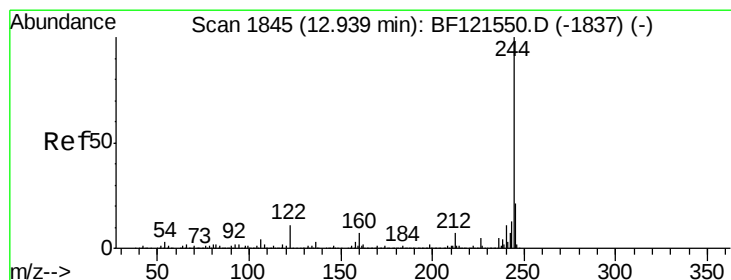
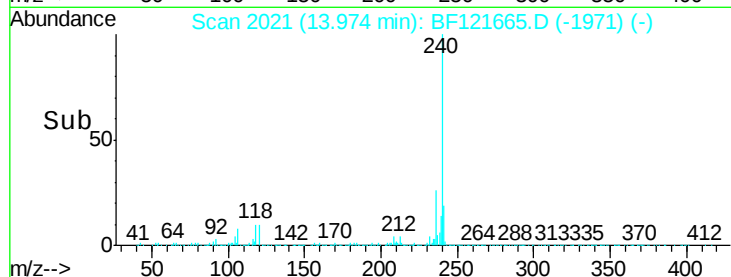
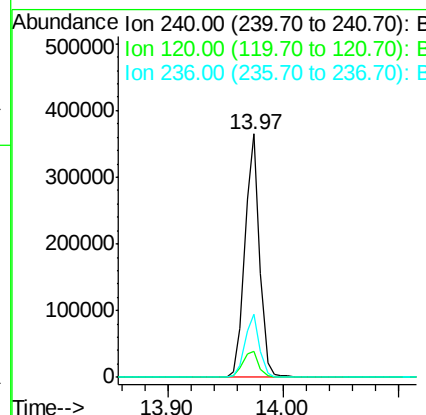
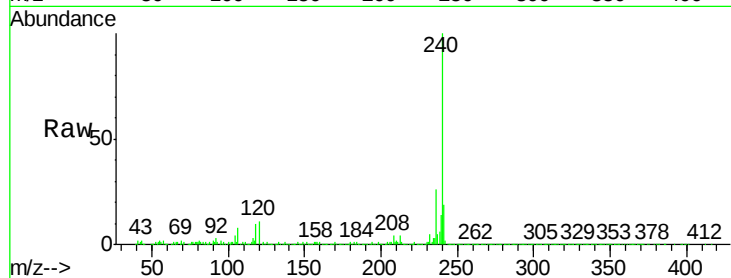




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF121665.D
 Acq: 23 Sep 2020 4:06

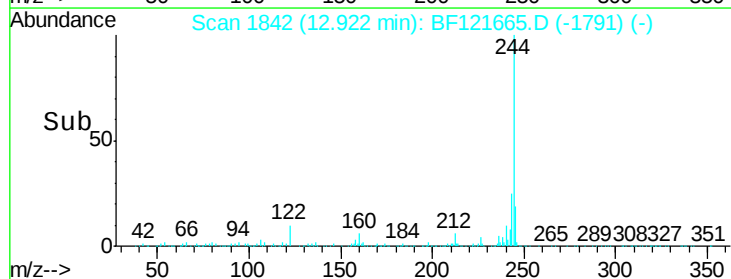
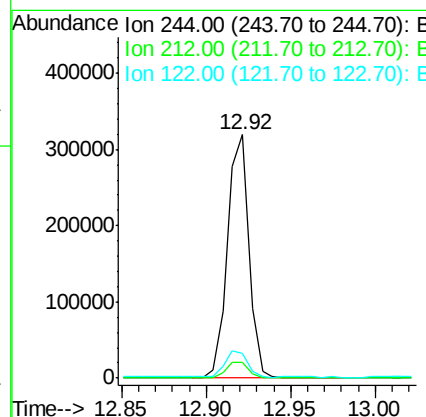
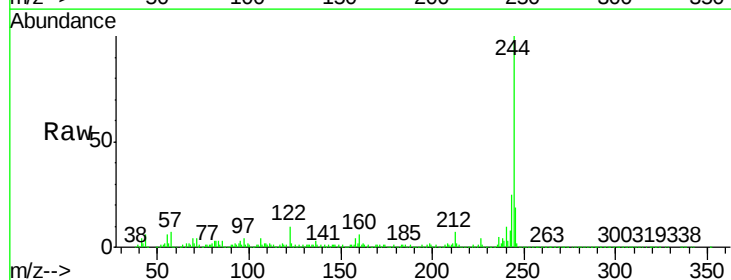
Instrument :
 BNA_F
 ClientSampleId :
 1799-1801DL

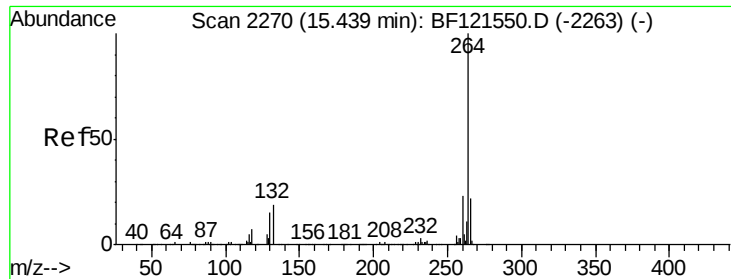
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.2	13.8
236	25.9	20.4	30.6



#79
 Terphenyl-d14
 Concen: 17.986 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF121665.D
 Acq: 23 Sep 2020 4:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.5	8.3
122	10.0	7.4	11.0

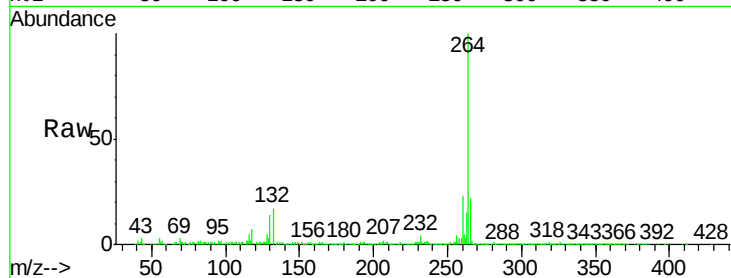




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: BF121665.D
 Acq: 23 Sep 2020 4:06

Instrument :
 BNA_F
 ClientSampleId :
 1799-1801DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.7	17.3	25.9



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

