

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091420\
 Data File : BF121560.D
 Acq On : 14 Sep 2020 15:00
 Operator : JU/CG
 Sample : L3953-01DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N2930SDL

Quant Time: Sep 14 15:44:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	189559	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	677955	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	377462	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	676225	20.00	ng	0.00
76) Chrysene-d12	13.99	240	457838	20.00	ng	0.00
86) Perylene-d12	15.44	264	441790	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	62587	4.91	ng	0.00
7) Phenol-d6	6.47	99	48312	2.89	ng	0.01
23) Nitrobenzene-d5	7.39	82	121079	9.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.65	330	54196	11.55	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	252261	10.12	ng	0.00
79) Terphenyl-d14	12.93	244	225542	9.98	ng	0.00

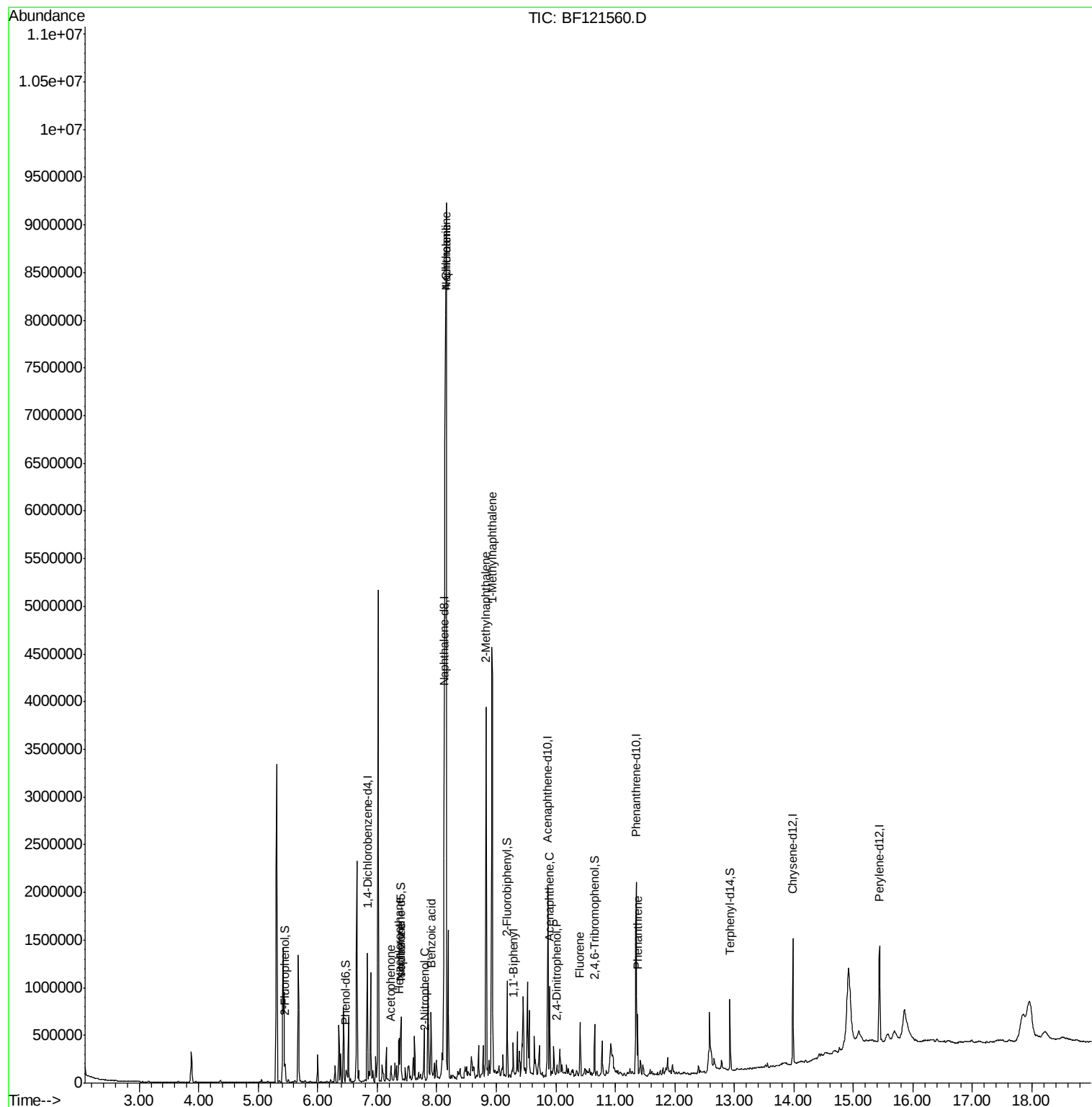
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.36	117	28866	5.539	ng	# 1
22) Acetophenone	7.23	105	54383	3.162	ng	# 89
25) Isophorone	7.39	82	114693	4.512	ng	# 66
26) 2-Nitrophenol	7.80	139	181	2.586	ng	# 29
31) Naphthalene	8.16	128	7867726	219.841	ng	94
32) Benzoic acid	7.90	122	10714	8.018	ng	# 1
33) 4-Chloroaniline	8.16	127	1207030	77.806	ng	# 36
37) 2-Methylnaphthalene	8.83	142	1059304	45.166	ng	98
38) 1-Methylnaphthalene	8.93	142	1249222	57.231	ng	99
46) 1,1'-Biphenyl	9.29	154	87983	2.912	ng	97
52) Acenaphthene	9.90	154	160778	6.957	ng	98
54) 2,4-Dinitrophenol	10.02	184	277	9.121	ng	# 1
58) Fluorene	10.41	166	143373	5.761	ng	98
71) Phenanthrene	11.37	178	214664	5.826	ng	98

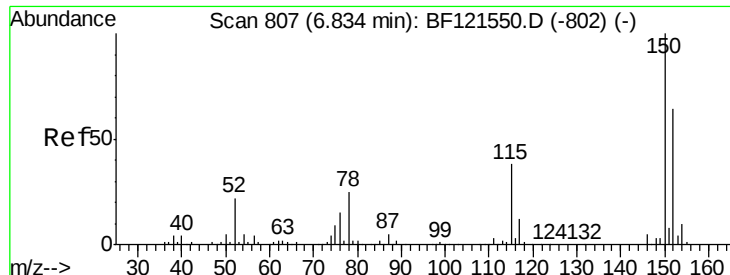
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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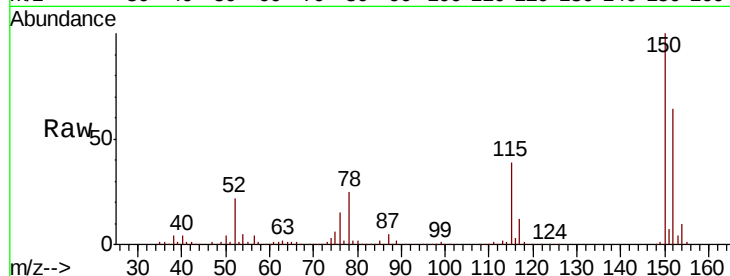


#1

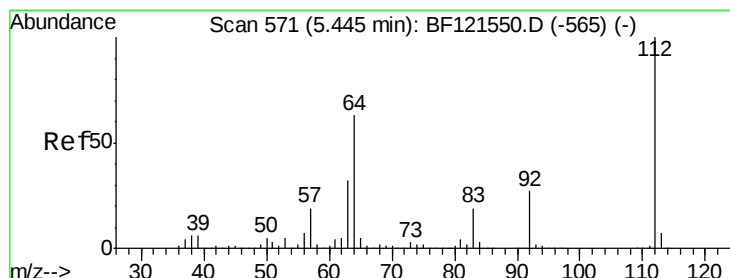
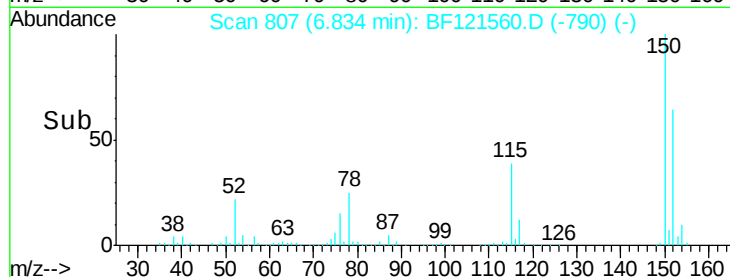
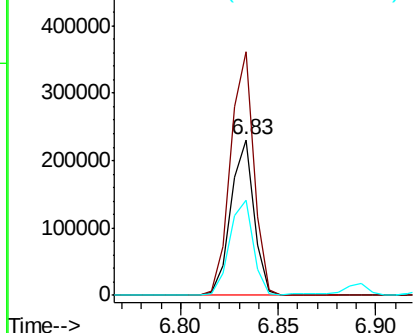
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF121560.D
Acq: 14 Sep 2020 15:00

Instrument :
BNA_F
ClientSampleId :
N2930SDL

Tot Ion:152 Resp: 189559
Ion Ratio Lower Upper
152 100
150 156.5 125.8 188.6
115 60.8 47.8 71.8



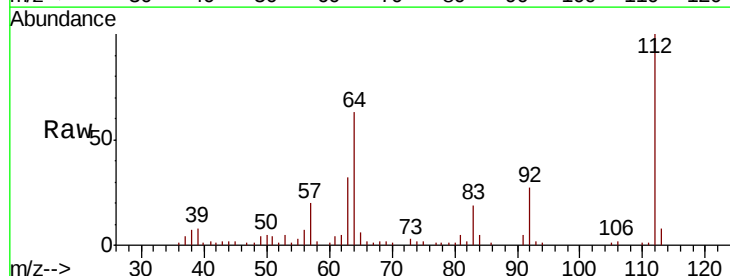
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



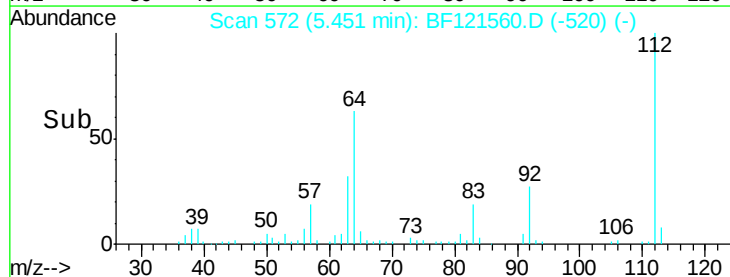
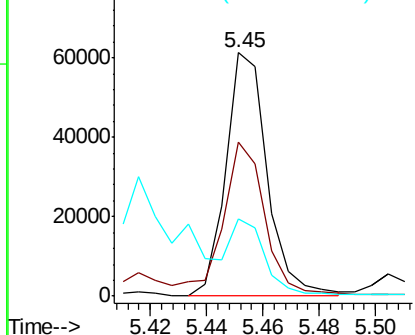
#5

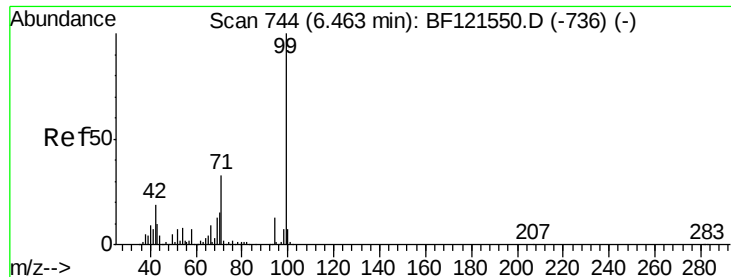
2-Fluorophenol
Concen: 4.907 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF121560.D
Acq: 14 Sep 2020 15:00

Tgt Ion:112 Resp: 62587
Ion Ratio Lower Upper
112 100
64 63.5 50.3 75.5
63 32.0 25.6 38.4



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





#7

Phenol-d6

Concen: 2.887 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

Instrument :

BNA_F

ClientSampleId :

N2930SDL

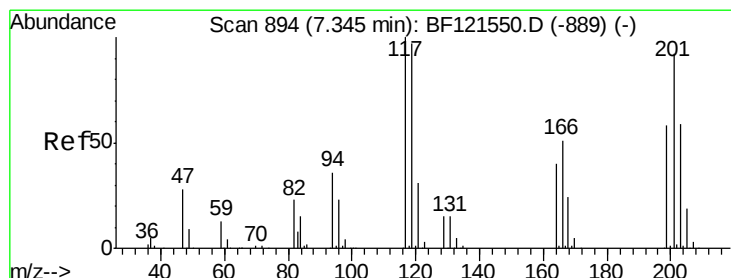
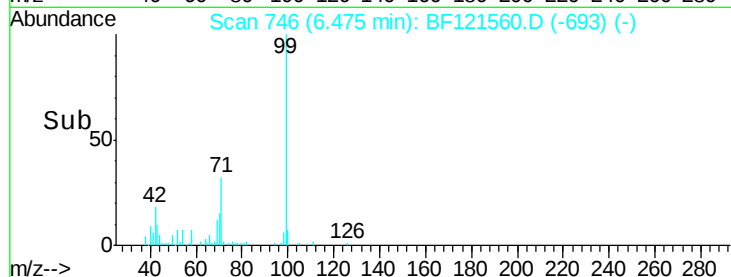
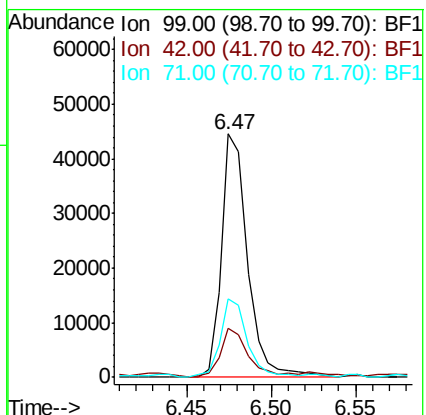
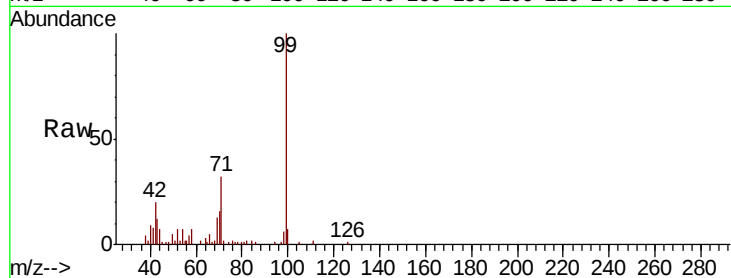
Tot Ion: 99 Resp: 48312

Ion Ratio Lower Upper

99 100

42 20.2 15.5 23.3

71 32.4 26.1 39.1



#18

Hexachloroethane

Concen: 5.539 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.02 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

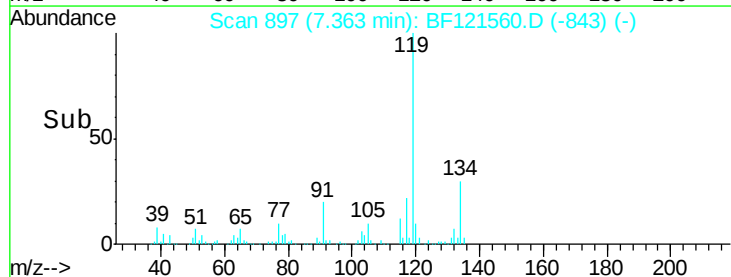
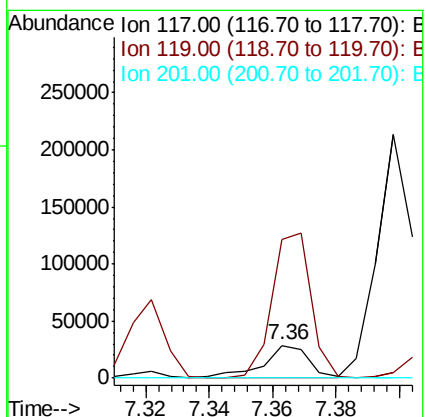
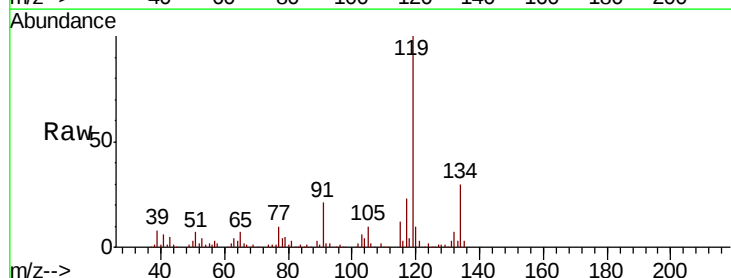
Tgt Ion: 117 Resp: 28866

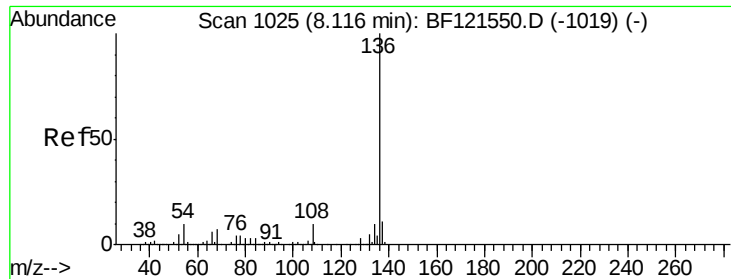
Ion Ratio Lower Upper

117 100

119 425.6 77.2 115.8#

201 0.0 73.7 110.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.01 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

Instrument :

BNA_F

ClientSampleId :

N2930SDL

Tot Ion:136 Resp: 677955

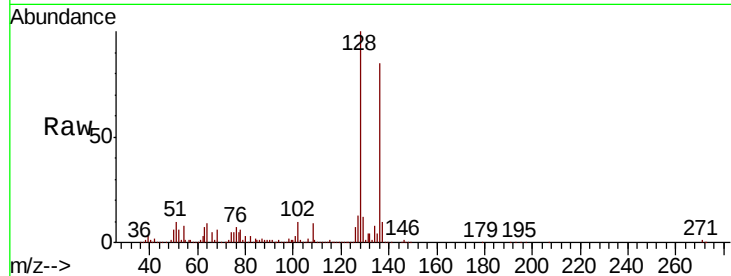
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 9.4 7.6 11.4

68 6.8 5.7 8.5

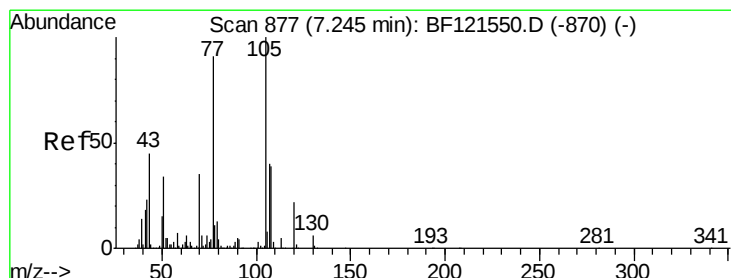
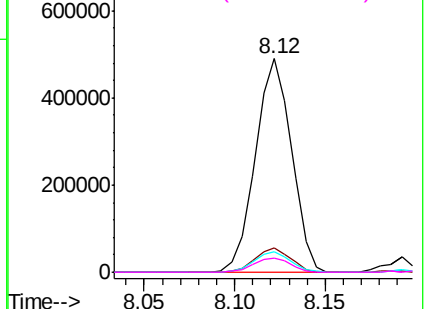
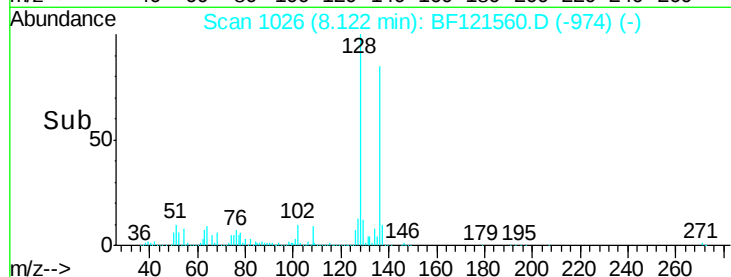


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.162 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

Tgt Ion:105 Resp: 54383

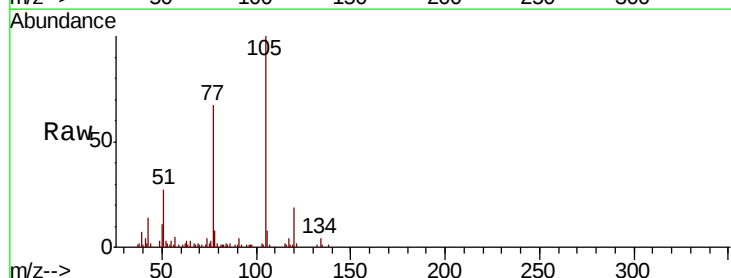
Ion Ratio Lower Upper

105 100

71 0.9 4.6 7.0#

51 26.7 27.6 41.4#

120 19.1 17.4 26.2

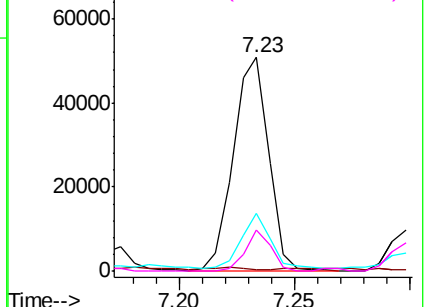
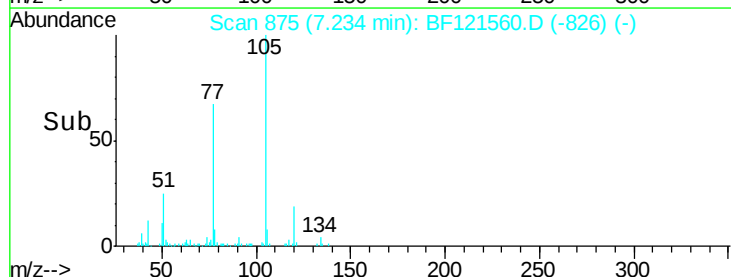


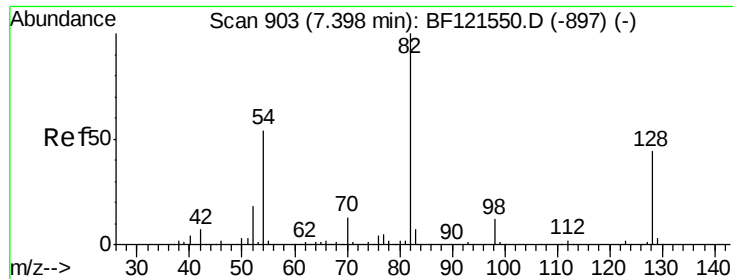
Abundance Ion 105.00 (104.70 to 105.70): E

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

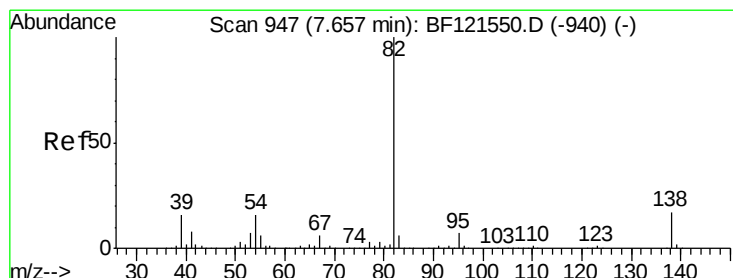
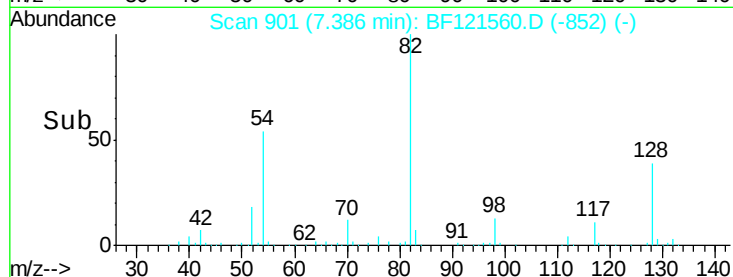
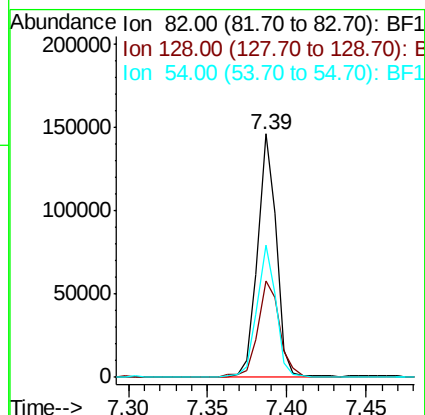
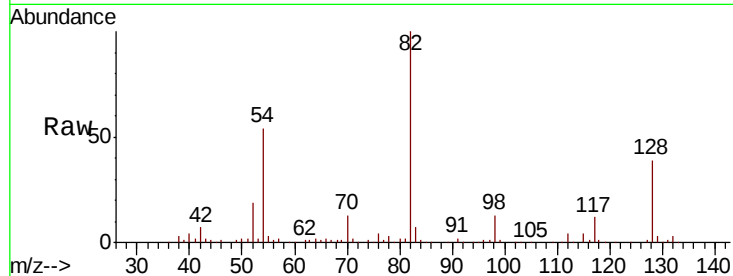




#23
Nitrobenzene-d5
Concen: 9.589 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF121560.D
Acq: 14 Sep 2020 15:00

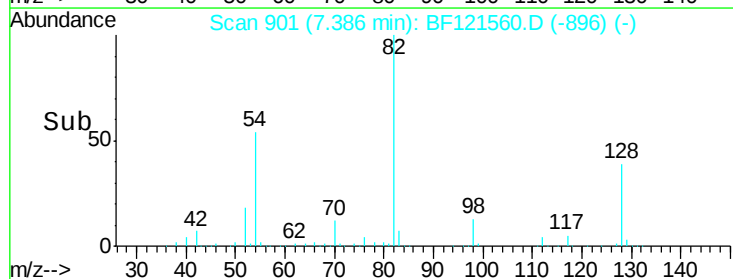
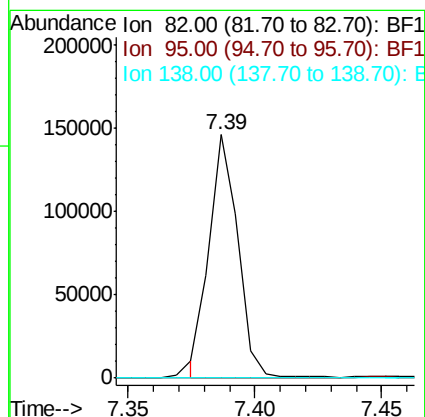
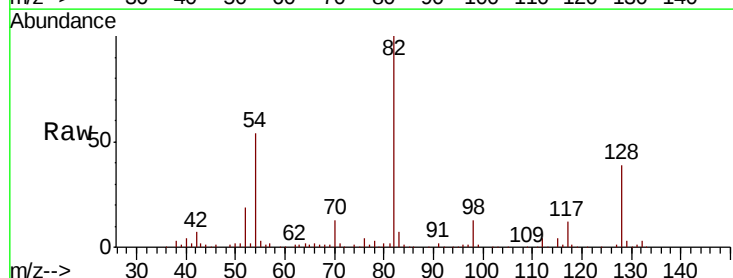
Instrument :
BNA_F
ClientSampleId :
N2930SDL

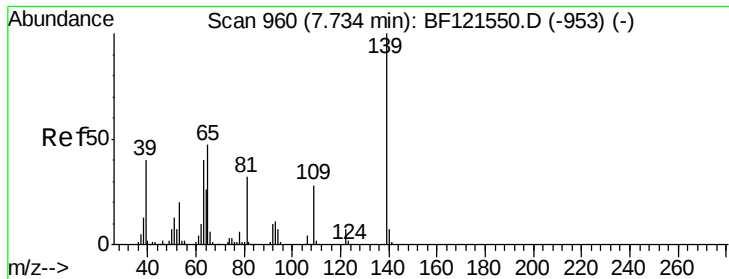
Tot Ion	82	Resp	121079
Ion Ratio	Lower	Upper	
82	100		
128	39.4	35.1	52.7
54	54.2	43.0	64.6



#25
Isophorone
Concen: 4.512 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.27 min
Lab File: BF121560.D
Acq: 14 Sep 2020 15:00

Tgt Ion	82	Resp	114693
Ion Ratio	Lower	Upper	
82	100		
95	0.3	5.3	7.9#
138	0.0	13.7	20.5#

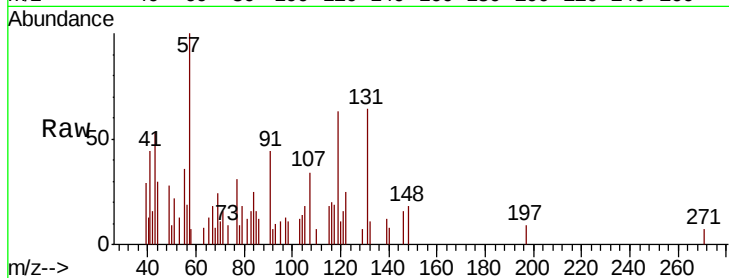




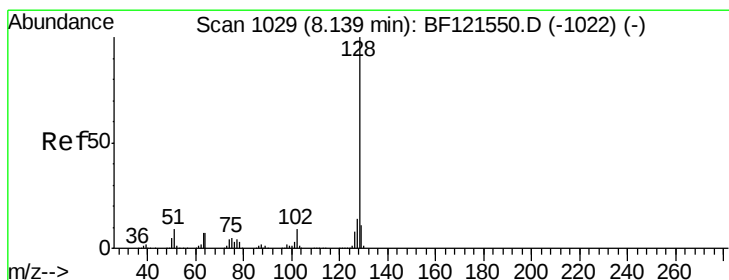
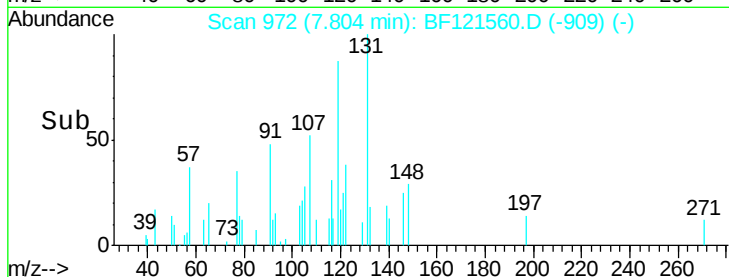
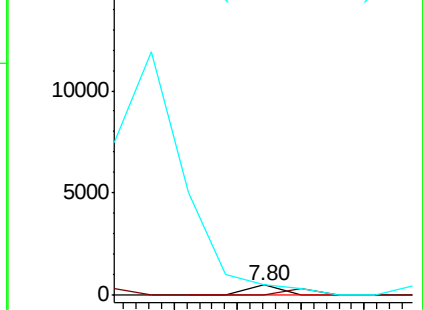
#26
2-Nitrophenol
Concen: 2.586 ng
RT: 7.80 min Scan# 972
Delta R.T. 0.07 min
Lab File: BF121560.D
Acq: 14 Sep 2020 15:00

Instrument :
BNA_F
ClientSampleId :
N2930SDL

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	22.4	33.6#
65	101.8	37.6	56.4#

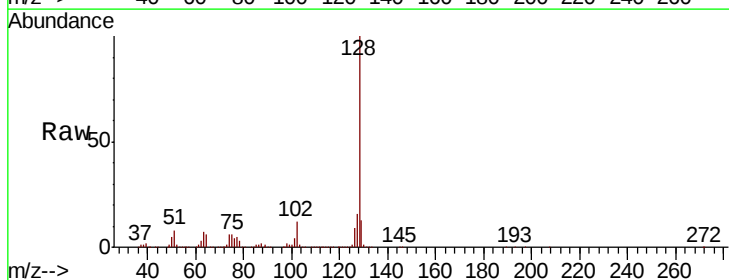


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

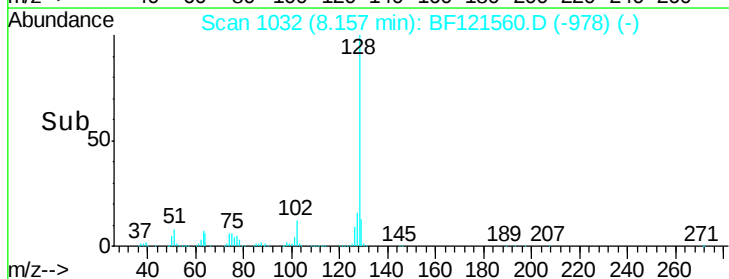
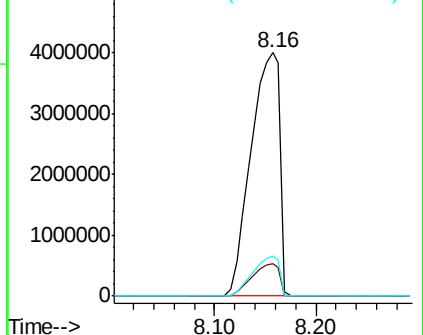


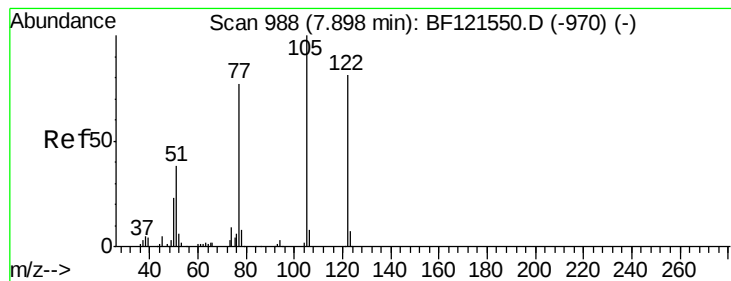
#31
Naphthalene
Concen: 219.841 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.02 min
Lab File: BF121560.D
Acq: 14 Sep 2020 15:00

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.1	13.7
127	16.4	11.0	16.6



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: 8.018 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

Instrument :

BNA_F

ClientSampleId :

N2930SDL

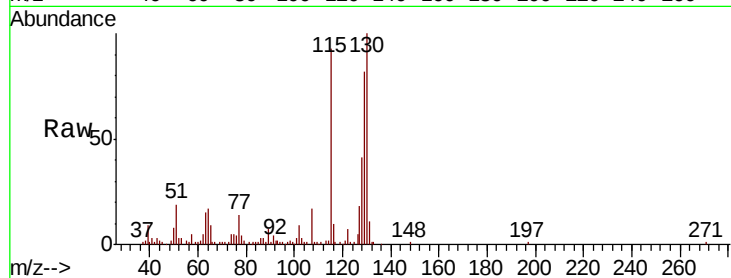
Tot Ion:122 Resp: 10714

Ion Ratio Lower Upper

122 100

105 22.3 100.5 140.5#

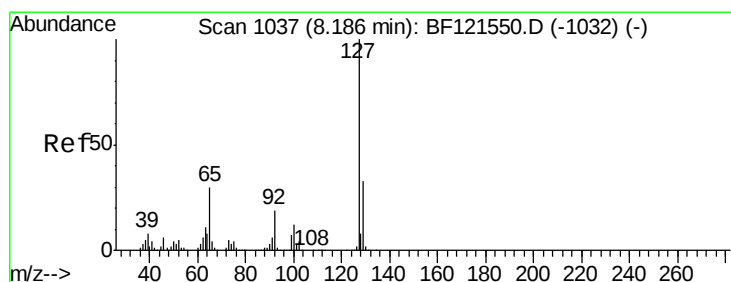
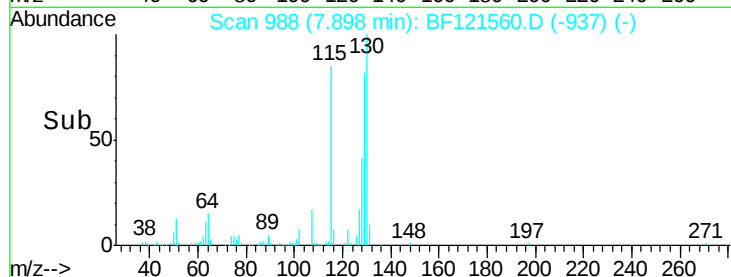
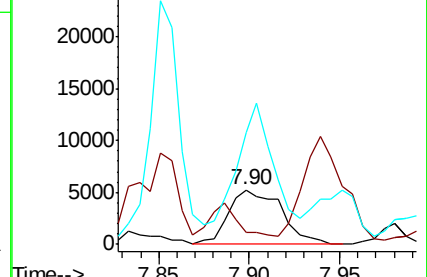
77 205.4 72.6 112.6#



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: 77.806 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

Tgt Ion:127 Resp: 1207030

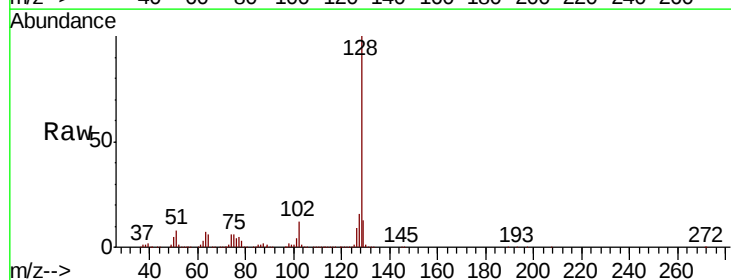
Ion Ratio Lower Upper

127 100

129 80.9 26.4 39.6#

65 0.0 24.4 36.6#

92 0.0 15.4 23.2#

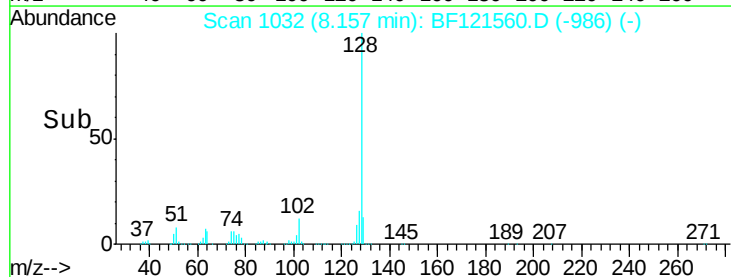
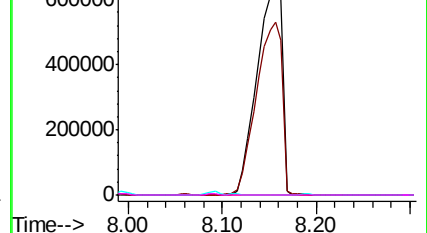


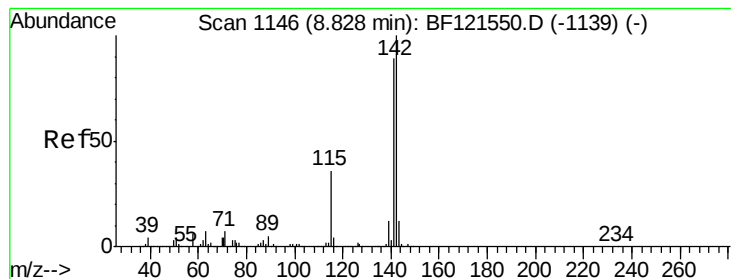
Abundance Ion 127.00 (126.70 to 127.70): E

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





#37

2-Methylnaphthalene

Concen: 45.166 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.00 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

Instrument :

BNA_F

ClientSampleId :

N2930SDL

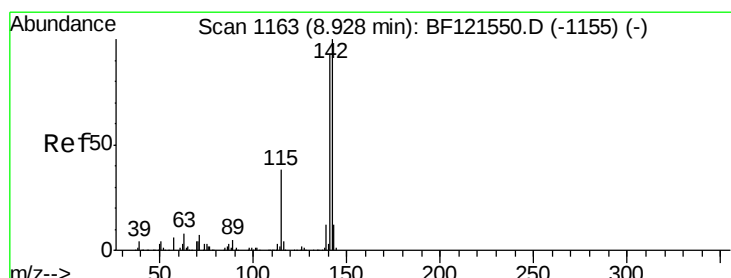
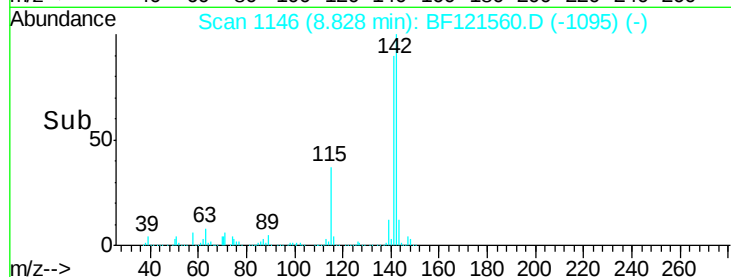
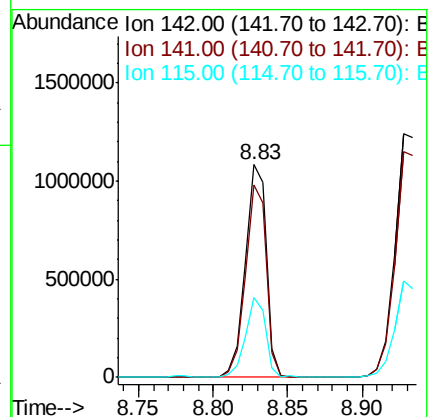
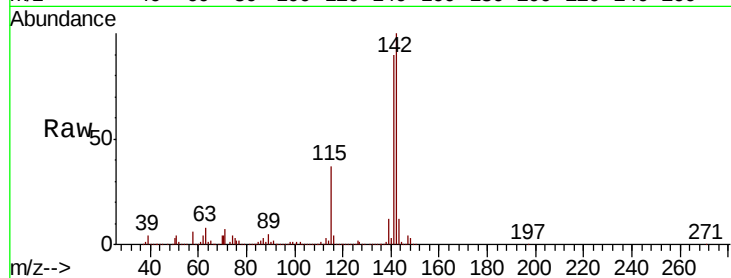
Tot Ion:142 Resp: 1059304

Ion Ratio Lower Upper

142 100

141 90.4 71.5 107.3

115 37.4 28.7 43.1



#38

1-Methylnaphthalene

Concen: 57.231 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

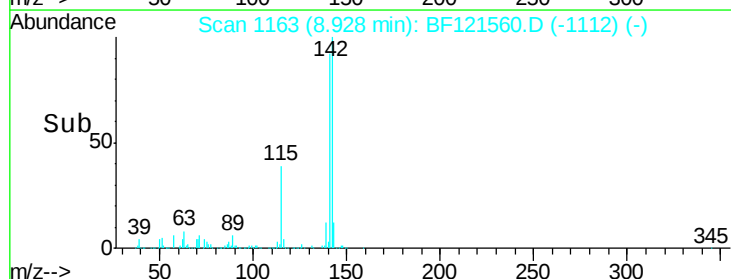
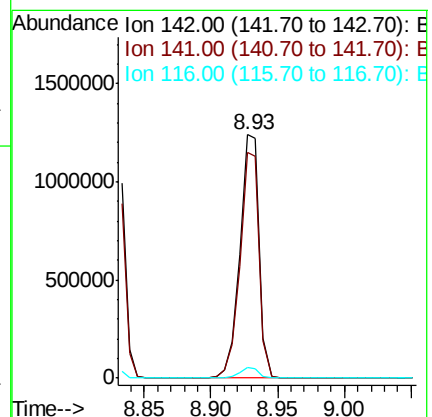
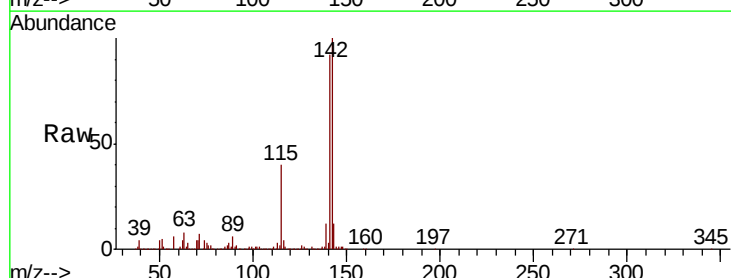
Tgt Ion:142 Resp: 1249222

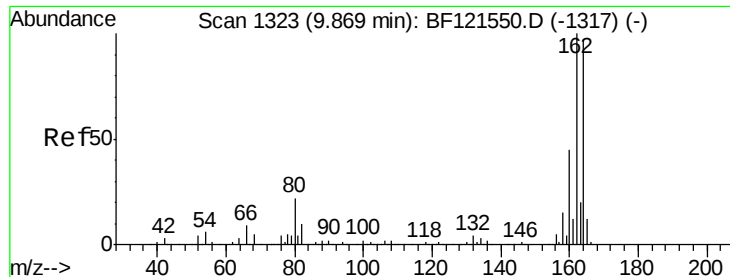
Ion Ratio Lower Upper

142 100

141 92.4 74.8 112.2

116 4.4 3.0 4.6

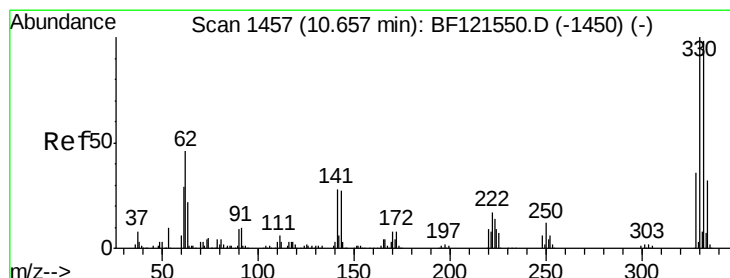
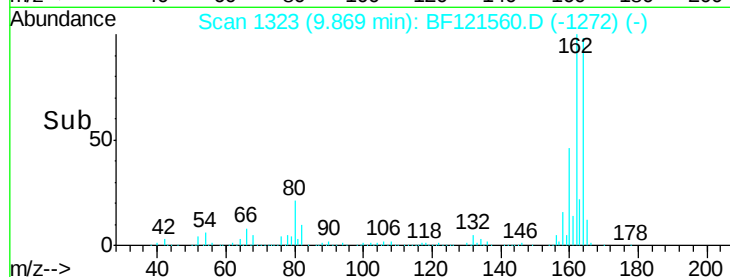
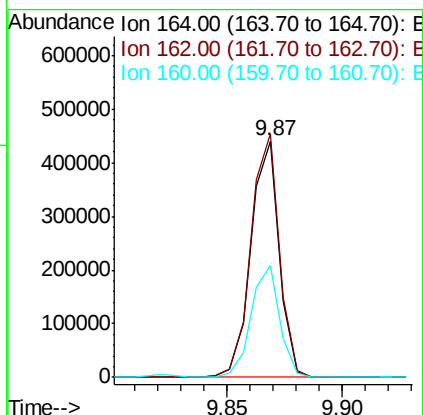
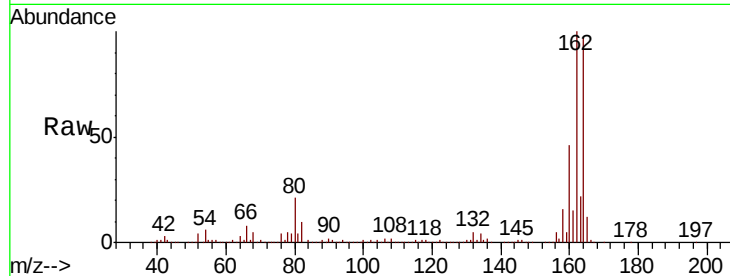




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: BF121560.D
 Acq: 14 Sep 2020 15:00

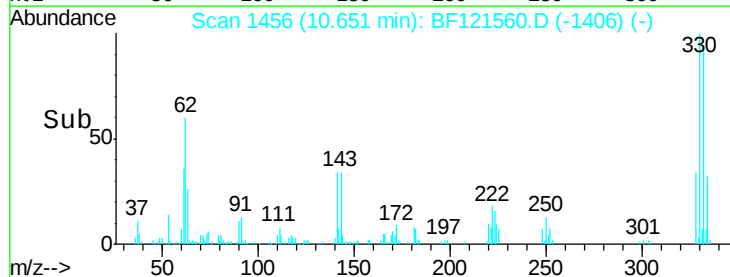
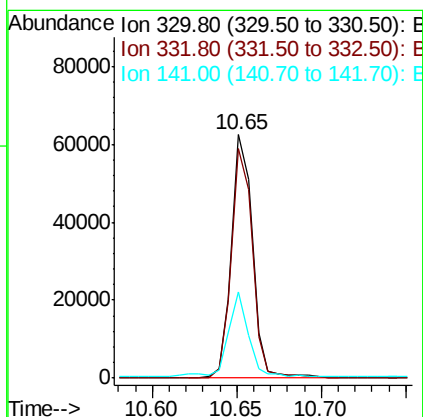
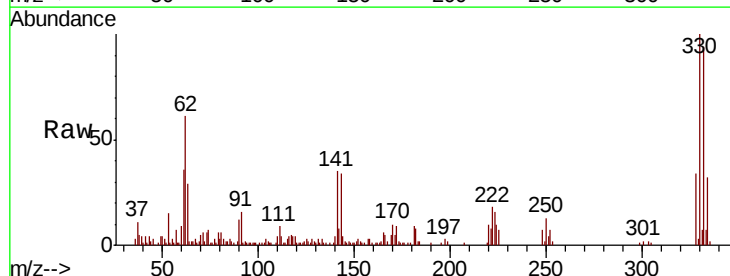
Instrument :
 BNA_F
 ClientSampleId :
 N2930SDL

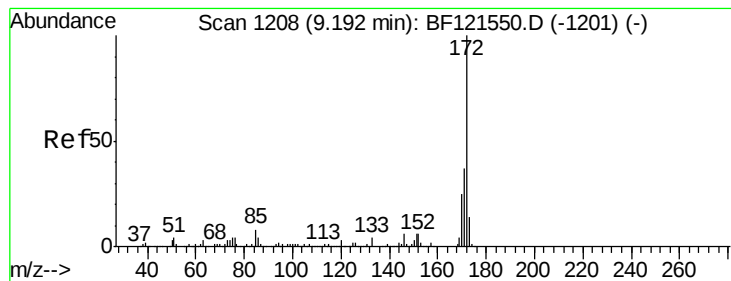
Tot Ion:164 Resp: 377462
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.3 123.5
 160 47.4 37.0 55.4



#42
 2,4,6-Tribromophenol
 Concen: 11.552 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF121560.D
 Acq: 14 Sep 2020 15:00

Tgt Ion:330 Resp: 54196
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.1 115.7
 141 34.4 23.6 35.4





#45

2-Fluorobiphenyl

Concen: 10.122 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

Instrument :

BNA_F

ClientSampleId :

N2930SDL

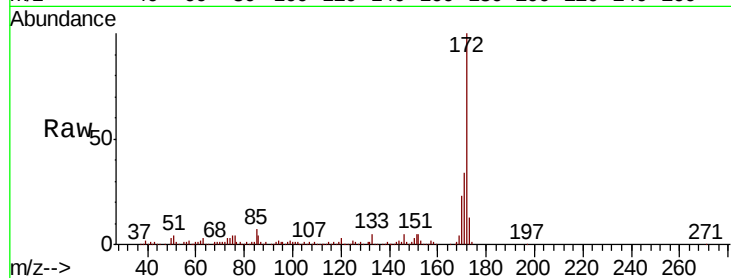
Tot Ion:172 Resp: 252261

Ion Ratio Lower Upper

172 100

171 34.4 29.8 44.6

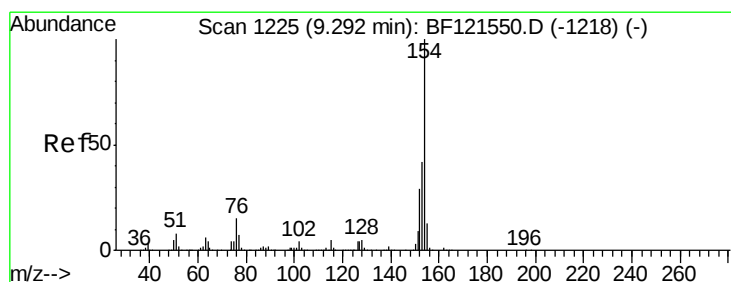
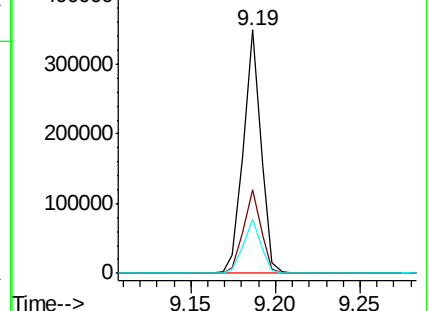
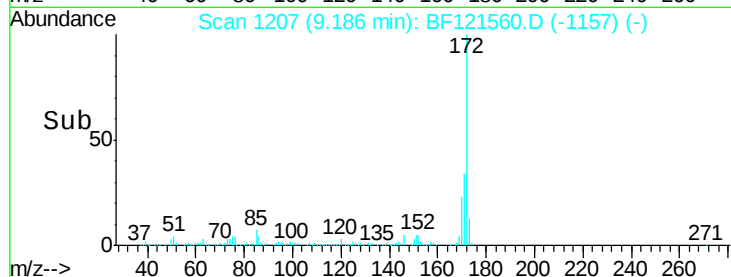
170 22.5 19.8 29.8



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: 2.912 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

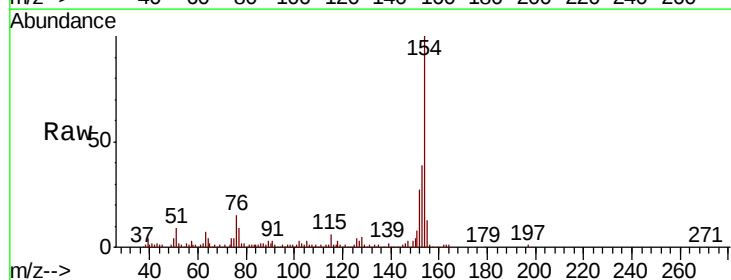
Tgt Ion:154 Resp: 87983

Ion Ratio Lower Upper

154 100

153 39.1 21.7 61.7

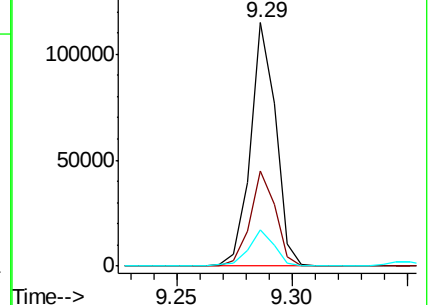
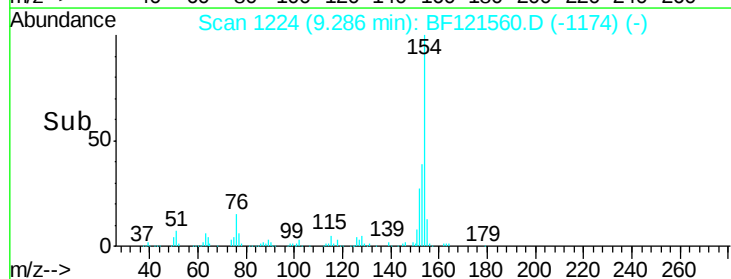
76 15.0 0.0 35.5

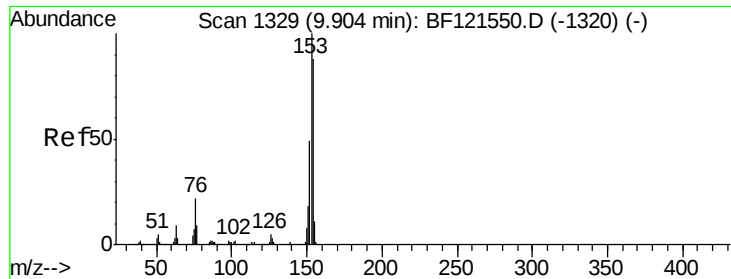


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#52

Acenaphthene

Concen: 6.957 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

Instrument :

BNA_F

ClientSampleId :

N2930SDL

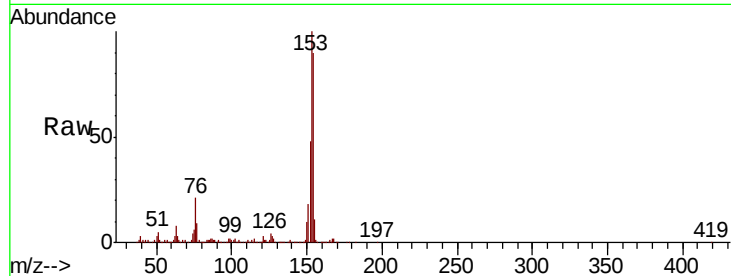
Tot Ion:154 Resp: 160778

Ion Ratio Lower Upper

154 100

153 111.1 91.0 136.4

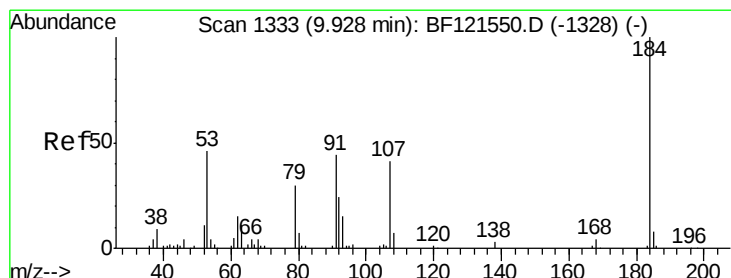
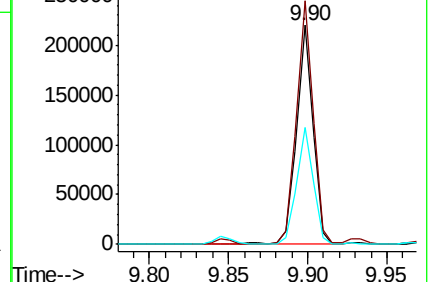
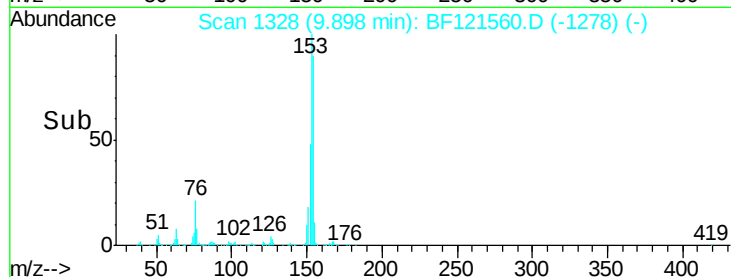
152 53.6 44.2 66.2



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



#54

2,4-Dinitrophenol

Concen: 9.121 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.09 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

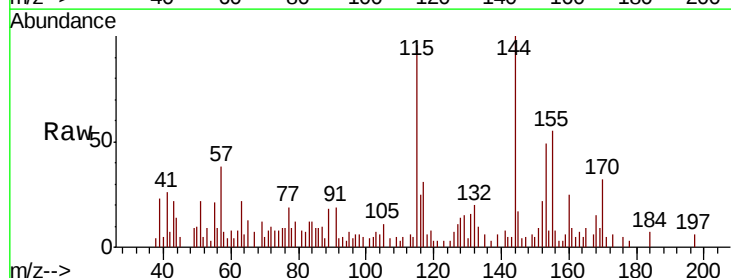
Tgt Ion:184 Resp: 277

Ion Ratio Lower Upper

184 100

63 301.0 47.7 71.5#

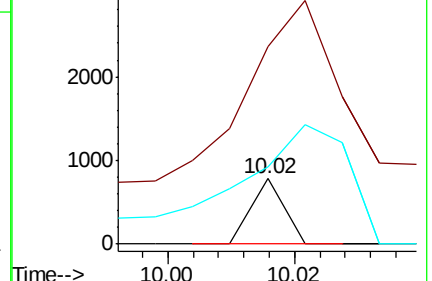
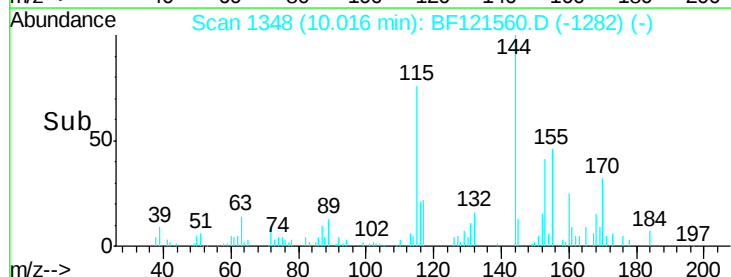
154 116.8 47.2 70.8#

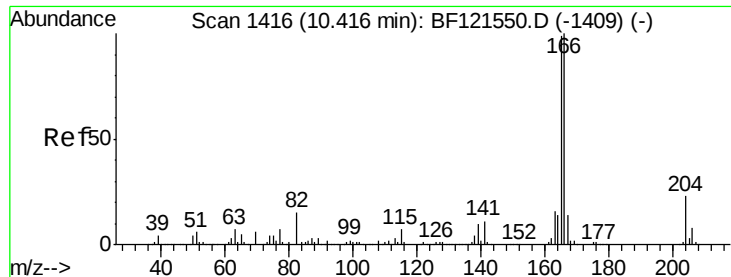


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 5.761 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

Instrument :

BNA_F

ClientSampleId :

N2930SDL

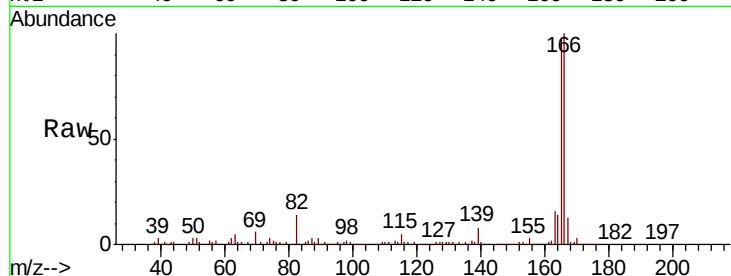
Tot Ion:166 Resp: 143373

Ion Ratio Lower Upper

166 100

165 96.8 79.0 118.4

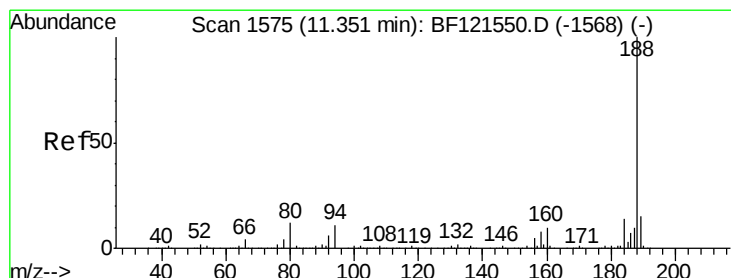
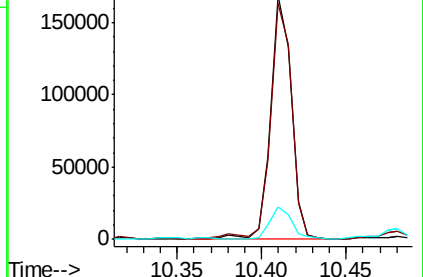
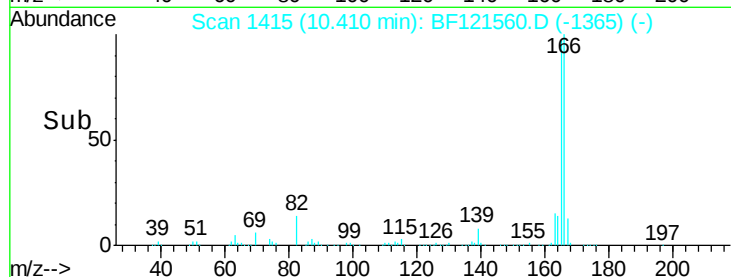
167 13.4 11.0 16.6



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

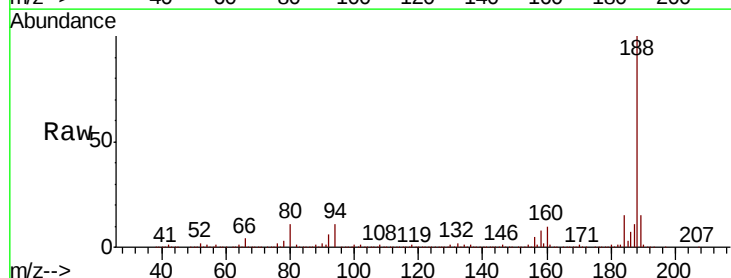
Tgt Ion:188 Resp: 676225

Ion Ratio Lower Upper

188 100

94 10.6 8.7 13.1

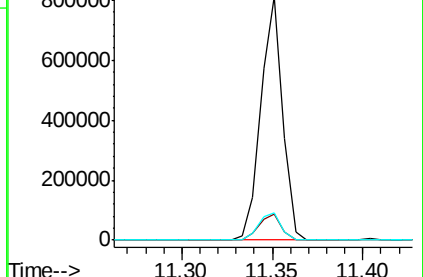
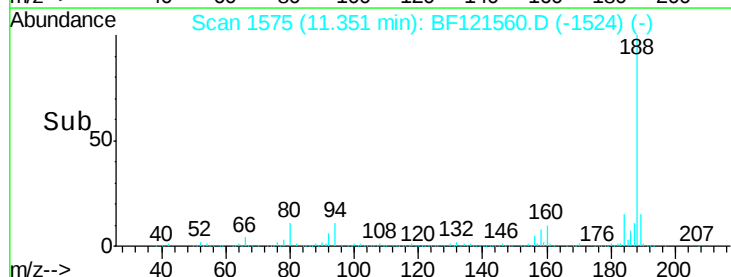
80 11.3 9.3 13.9

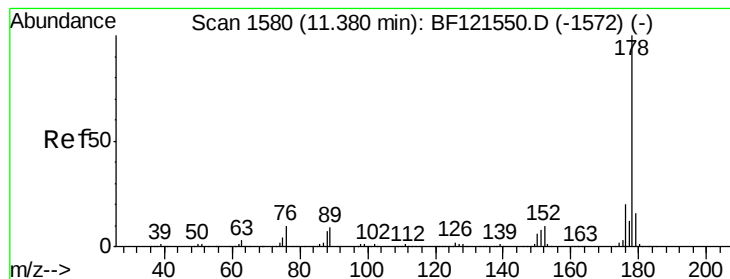


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 5.826 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

Instrument :

BNA_F

ClientSampleId :

N2930SDL

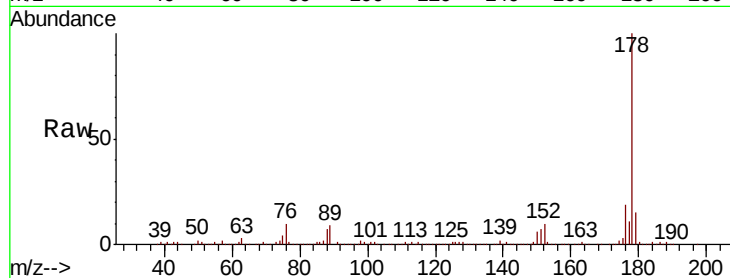
Tot Ion:178 Resp: 214664

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

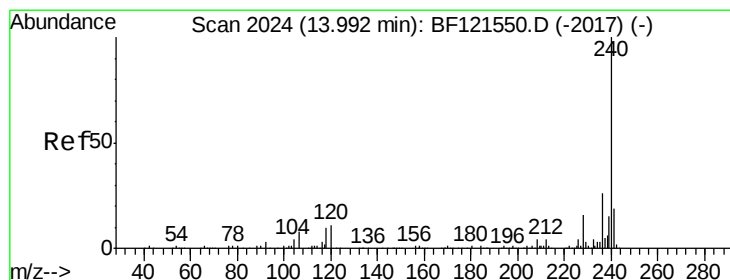
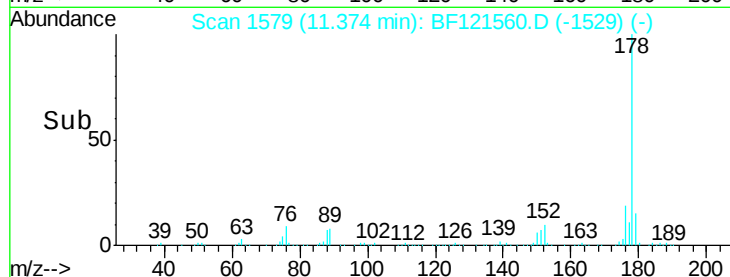
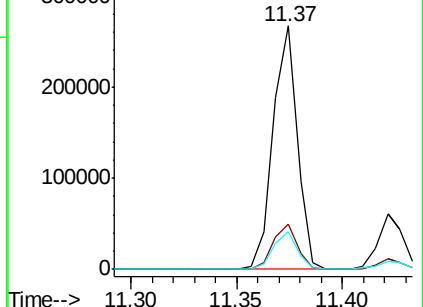
179 15.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

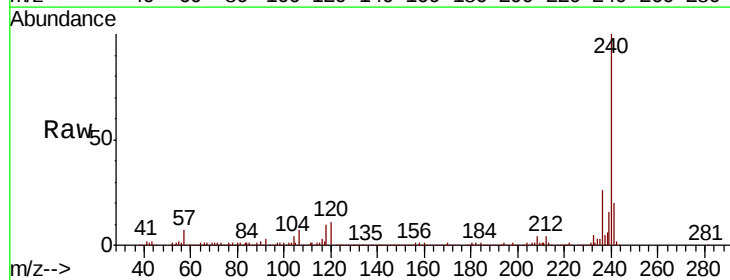
Tgt Ion:240 Resp: 457838

Ion Ratio Lower Upper

240 100

120 10.9 9.2 13.8

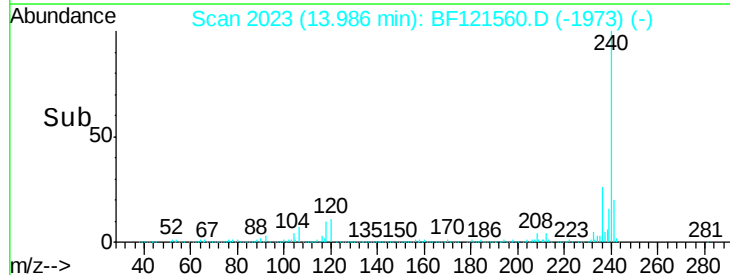
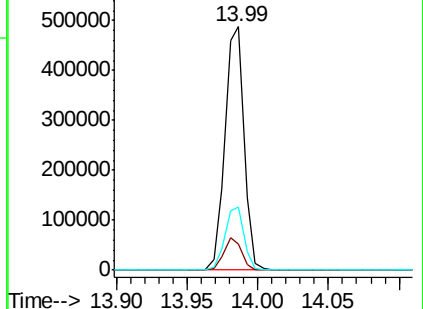
236 26.1 20.5 30.7

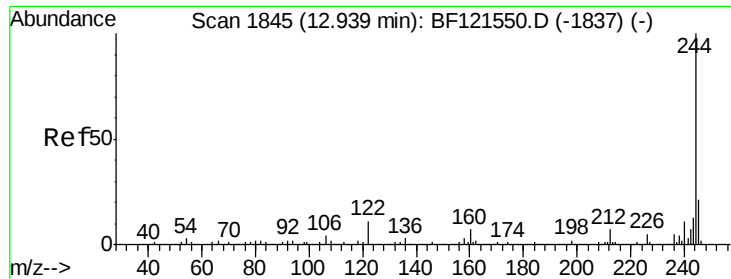


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 9.980 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

Instrument :

BNA_F

ClientSampleId :

N2930SDL

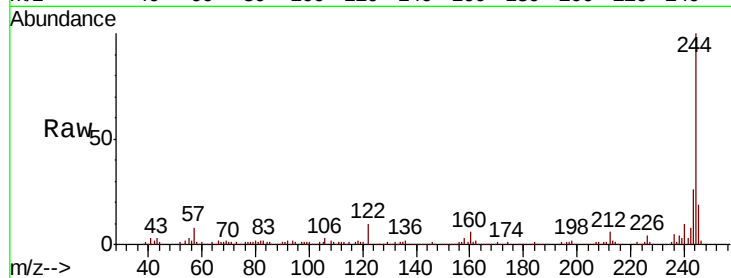
Tot Ion:244 Resp: 225542

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

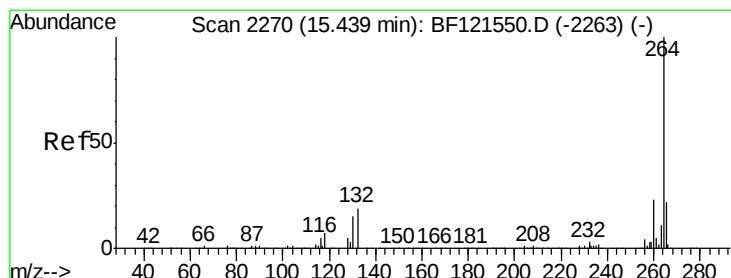
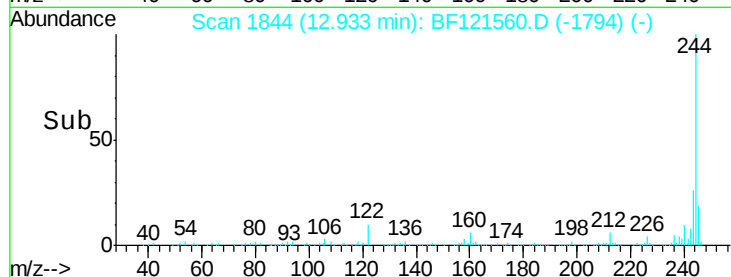
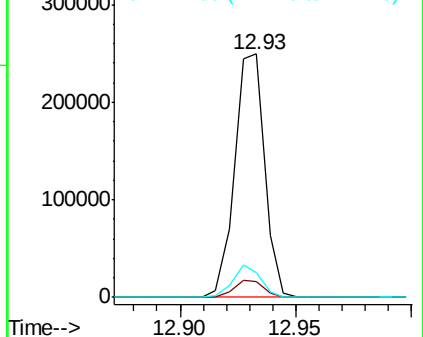
122 10.0 8.7 13.1



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF121560.D

Acq: 14 Sep 2020 15:00

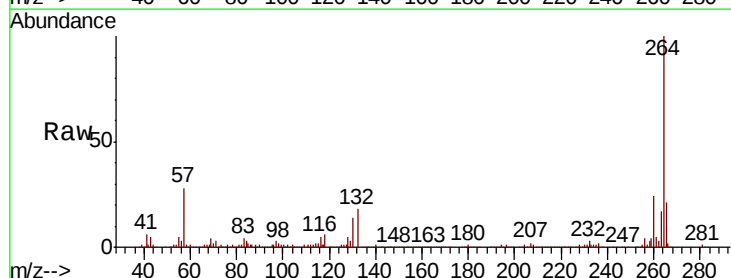
Tgt Ion:264 Resp: 441790

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.5 17.8 26.6



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

