

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
 Data File : BF118869.D
 Acq On : 10 Feb 2020 14:13
 Operator : CG/JU
 Sample : L1470-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-2-(BASE)

Quant Time: Feb 11 00:14:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	208891	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	792449	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	562706	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	871444	20.00	ng	0.00
76) Chrysene-d12	13.97	240	821201	20.00	ng	-0.01
87) Perylene-d12	15.42	264	722328	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1208758	109.54	ng	0.00
7) Phenol-d6	6.45	99	1429942	104.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	914677	68.80	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	689137	102.35	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1884114	59.86	ng	-0.01
79) Terphenyl-d14	12.92	244	2498163	62.49	ng	-0.01

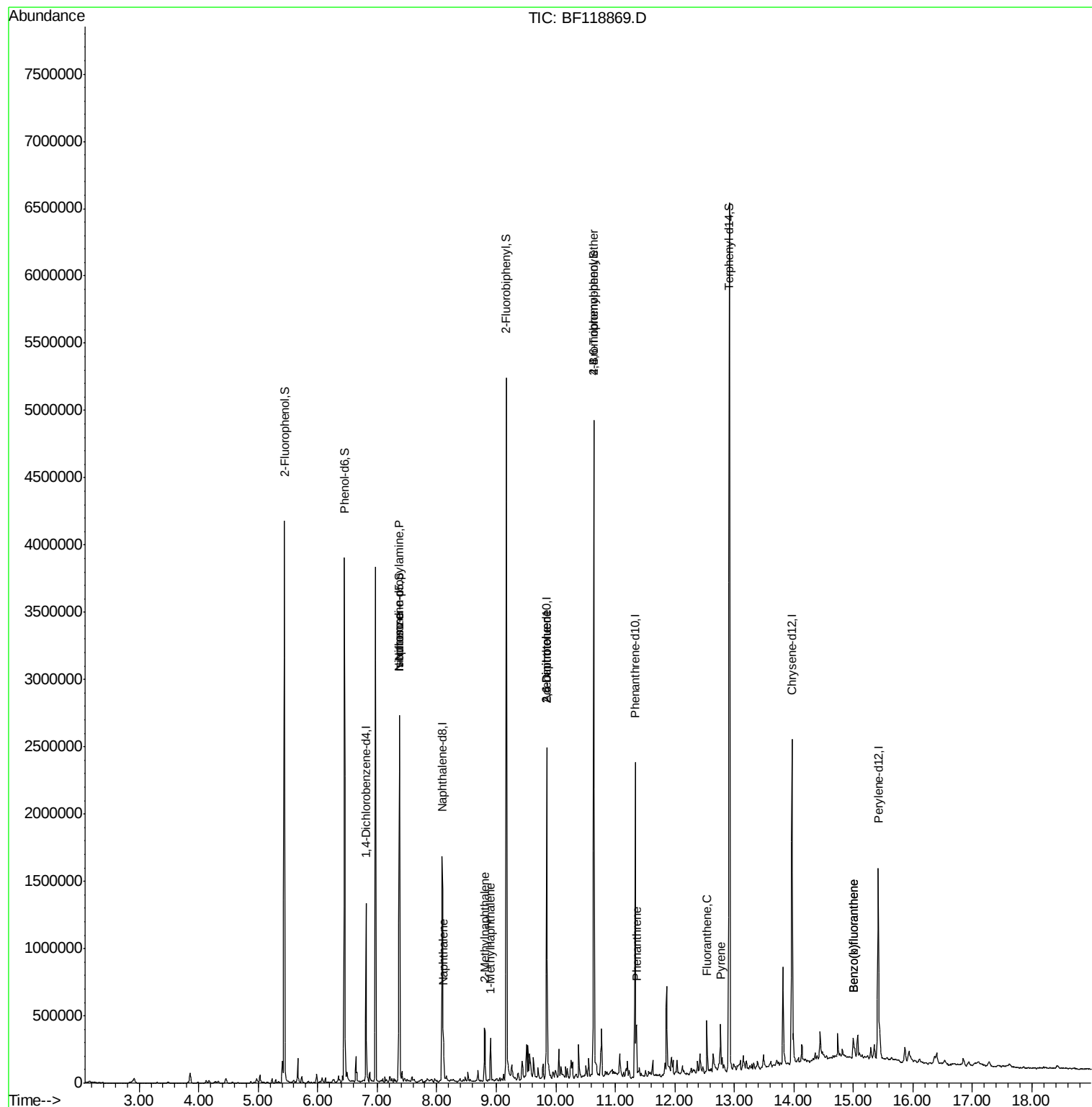
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	4739	Below Cal		91
19) n-Nitroso-di-n-propylamine	7.37	70	124556	14.861	ng	# 77
25) Isophorone	7.37	82	910376	38.101	ng	# 63
31) Naphthalene	8.12	128	145913	4.026	ng	98
37) 2-Methylnaphthalene	8.80	142	122263	4.864	ng	98
38) 1-Methylnaphthalene	8.90	142	90307	3.819	ng	98
51) 2,6-Dinitrotoluene	9.85	165	77514	8.842	ng	# 31
57) 2,4-Dinitrotoluene	9.85	165	77514	6.681	ng	# 34
67) 4-Bromophenyl-phenylether	10.64	248	44191	4.287	ng	# 1
71) Phenanthrene	11.36	178	151768	3.540	ng	96
75) Fluoranthene	12.54	202	158006	3.375	ng	98
78) Pvrene	12.77	202	140887	2.501	ng	97
88) Benzo(b)fluoranthene	15.00	252	116845	2.607	ng	98
89) Benzo(k)fluoranthene	15.00	252	116845	2.994	ng	# 97

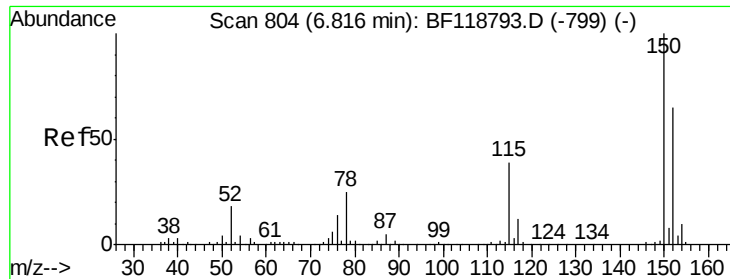
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 11 00:14:34 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



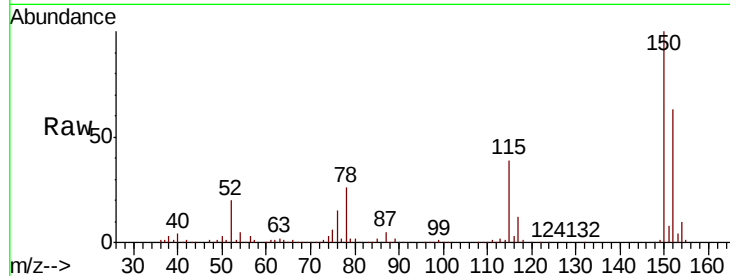


#1

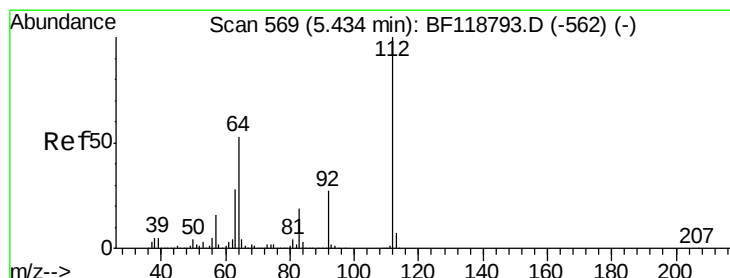
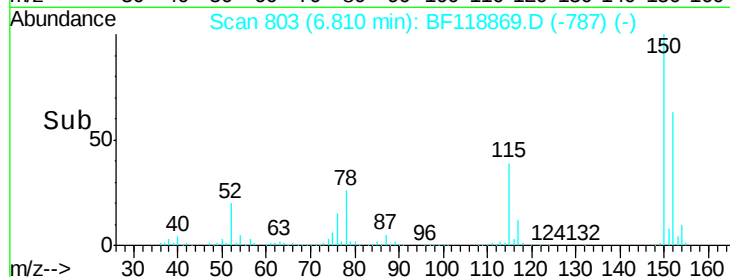
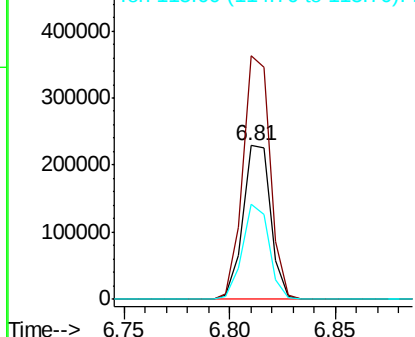
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Instrument :
BNA_F
ClientSampleId :
PE-2-(BASE)

Tot Ion:152 Resp: 208891
Ion Ratio Lower Upper
152 100
150 158.4 123.6 185.4
115 61.7 48.2 72.2



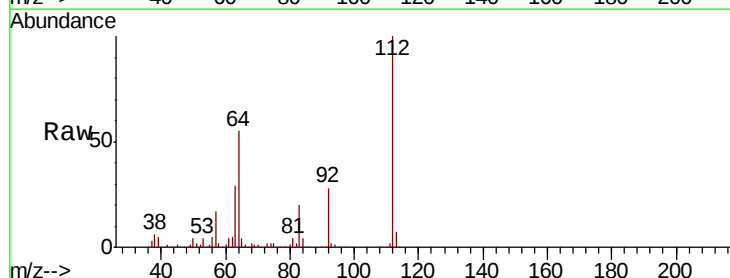
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



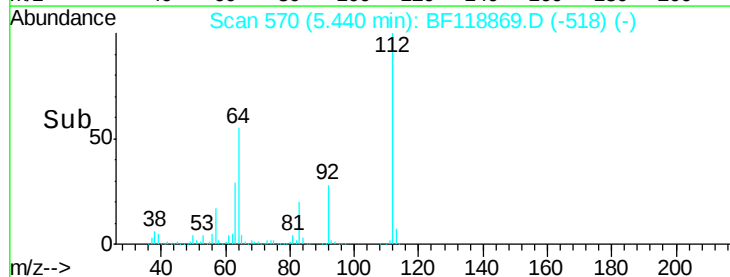
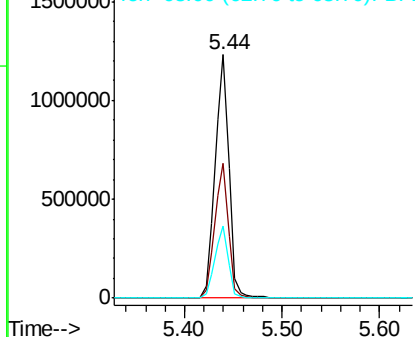
#5

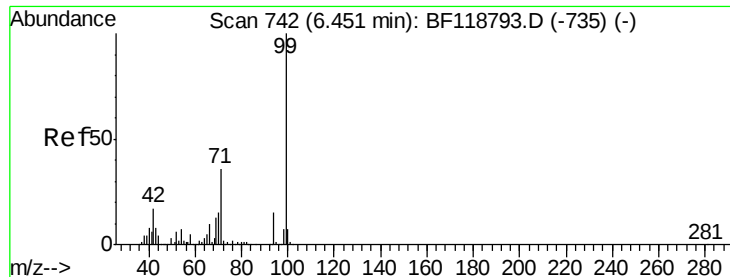
2-Fluorophenol
Concen: 109.535 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF118869.D
Acq: 10 Feb 2020 14:13

Tgt Ion:112 Resp: 1208758
Ion Ratio Lower Upper
112 100
64 55.2 42.6 63.8
63 29.4 22.2 33.4



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: 104.385 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

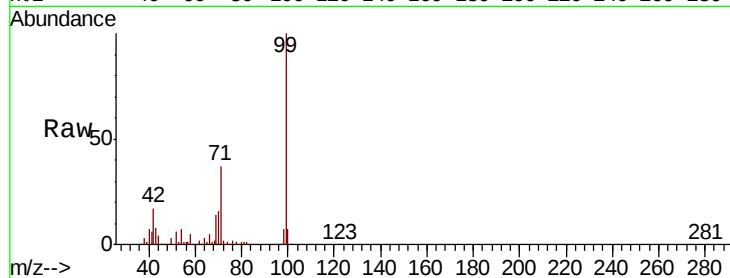
Tot Ion: 99 Resp: 1429942

Ion Ratio Lower Upper

99 100

42 17.2 13.4 20.0

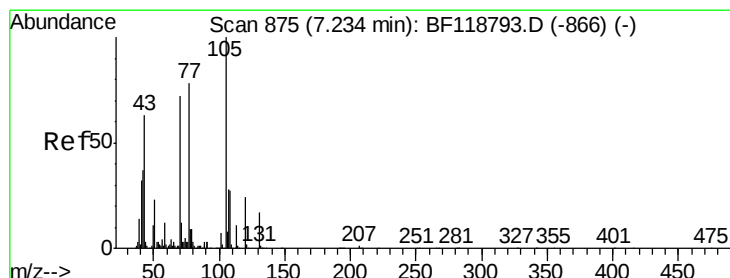
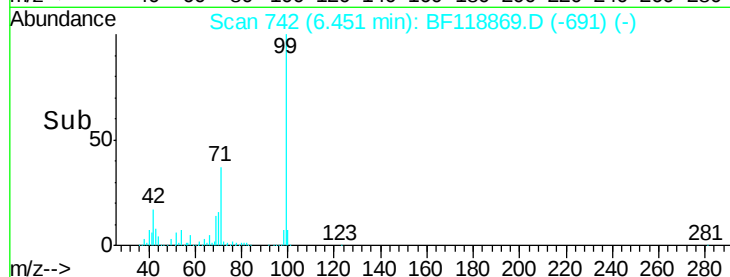
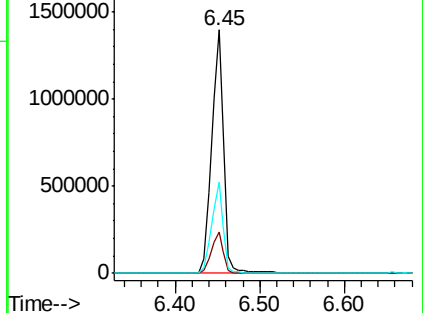
71 37.5 29.0 43.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.861 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Tgt Ion: 70 Resp: 124556

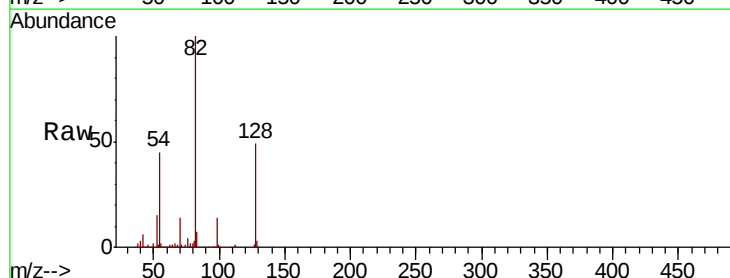
Ion Ratio Lower Upper

70 100

42 43.0 41.5 62.3

101 0.0 8.3 12.5#

130 2.2 19.2 28.8#

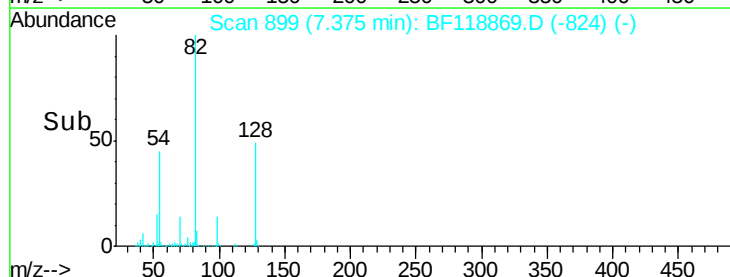
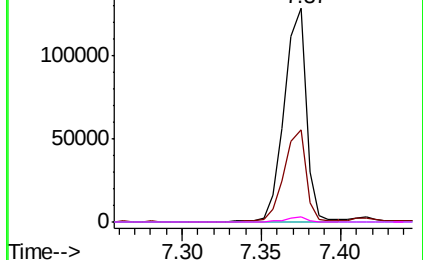


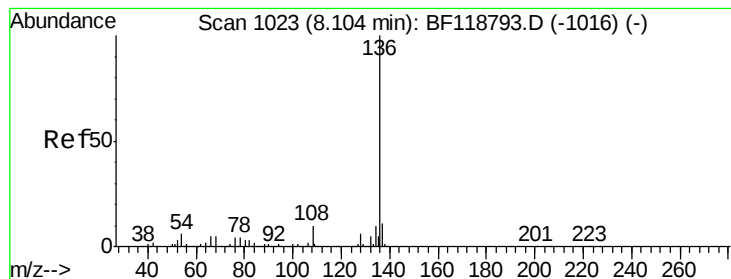
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

Tot Ion:136 Resp: 792449

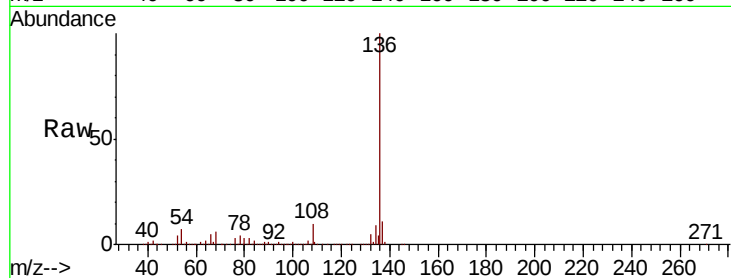
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 7.0 5.0 7.6

68 5.7 4.2 6.4

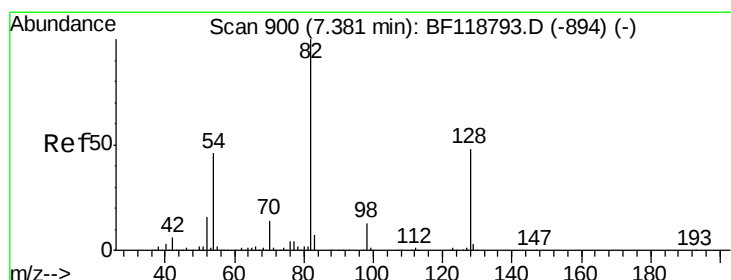
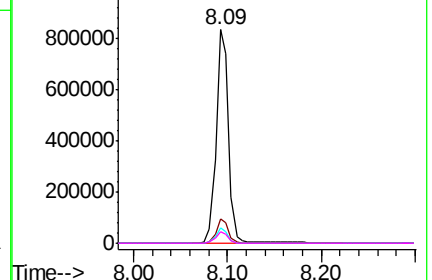
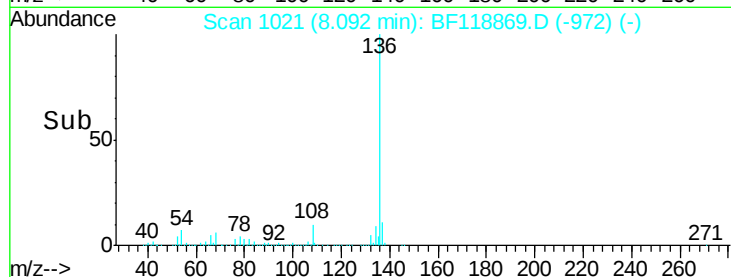


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 68.798 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

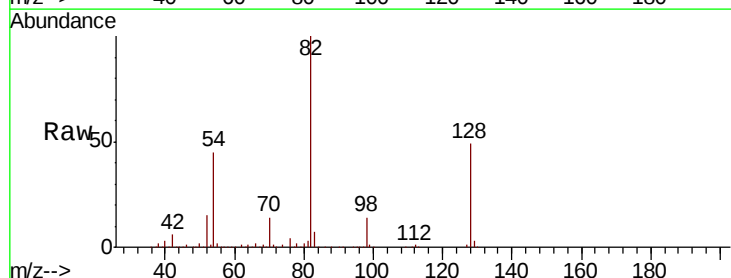
Tgt Ion: 82 Resp: 914677

Ion Ratio Lower Upper

82 100

128 49.2 38.5 57.7

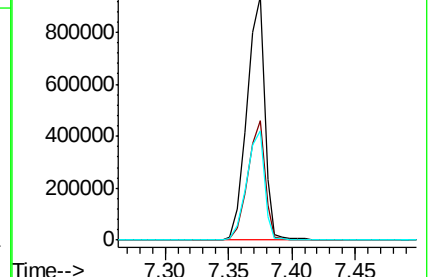
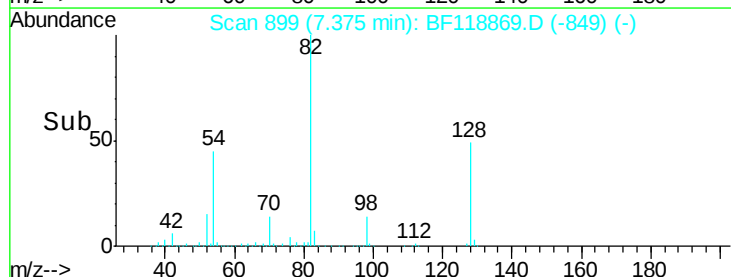
54 45.1 36.7 55.1

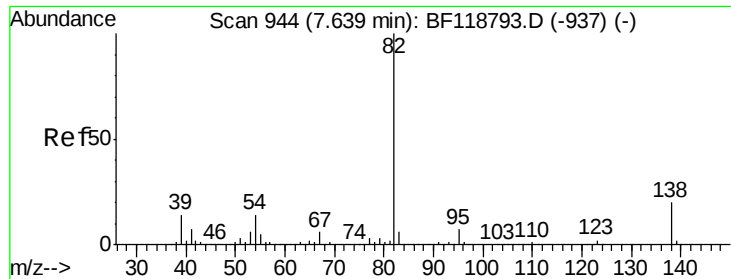


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.101 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

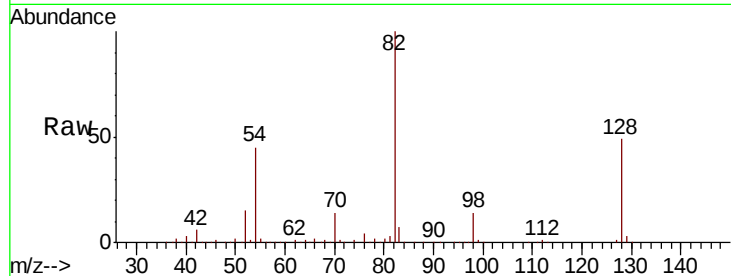
Tot Ion: 82 Resp: 910376

Ion Ratio Lower Upper

82 100

95 0.1 6.0 9.0#

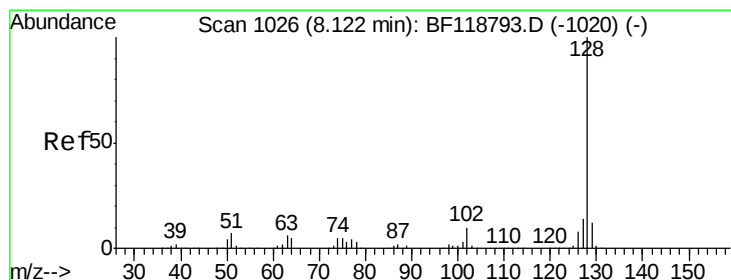
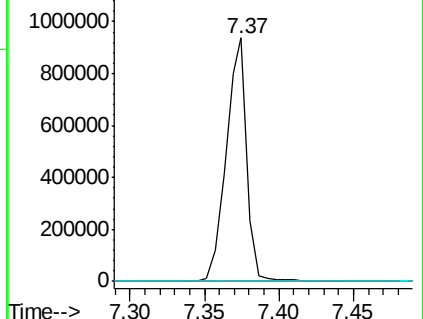
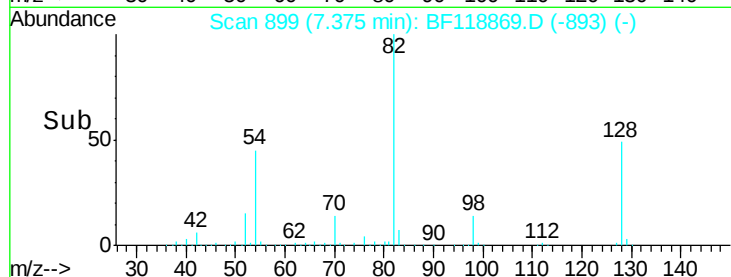
138 0.0 15.7 23.5#



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



#31

Naphthalene

Concen: 4.026 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

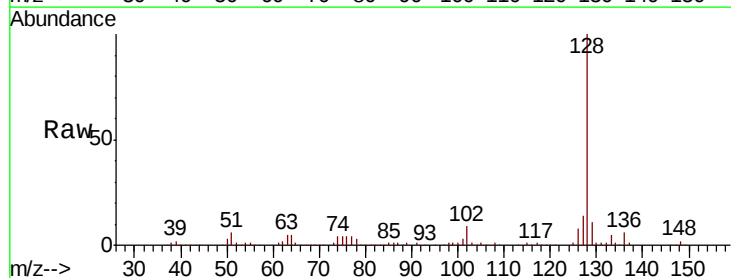
Tgt Ion: 128 Resp: 145913

Ion Ratio Lower Upper

128 100

129 10.9 9.4 14.2

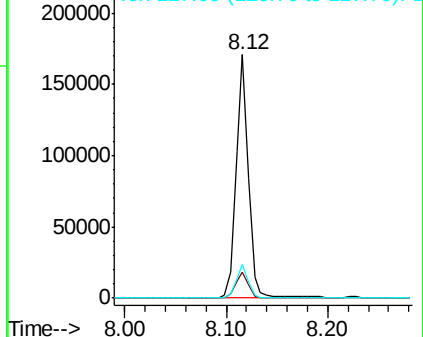
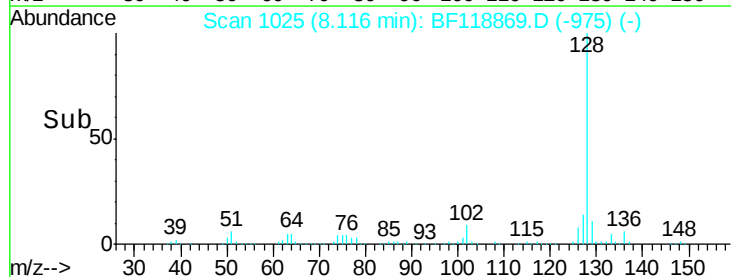
127 13.6 11.3 16.9

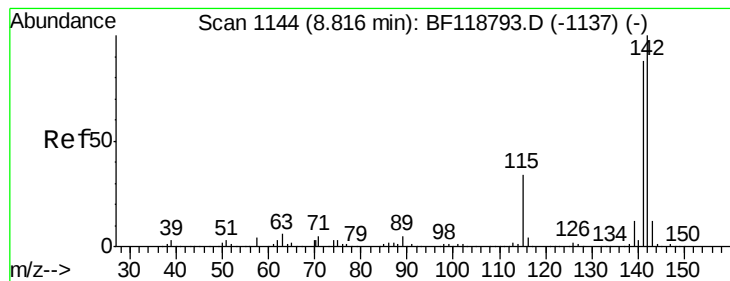


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

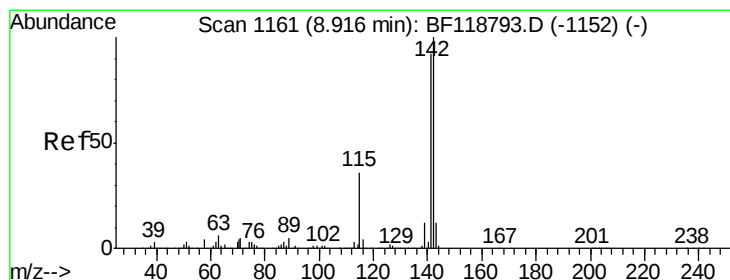
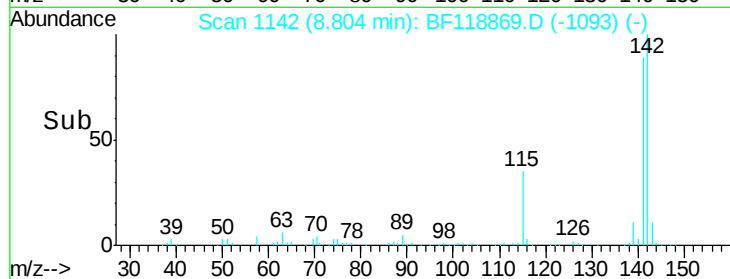
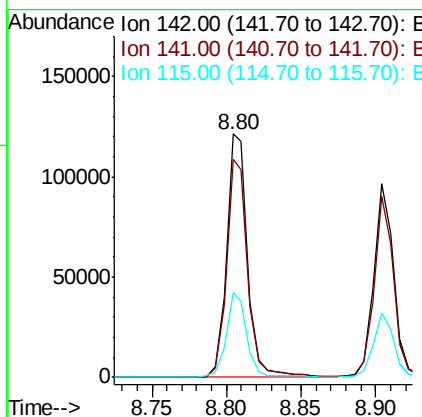
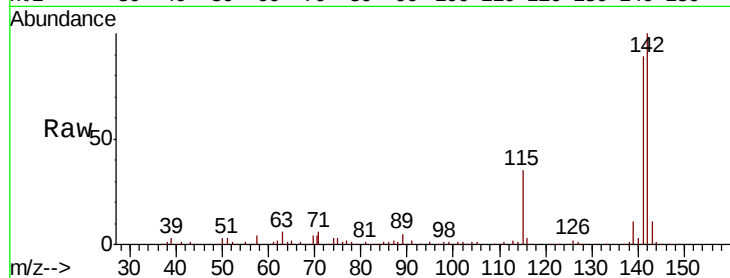




#37
 2-Methylnaphthalene
 Concen: 4.864 ng
 RT: 8.80 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: BF118869.D
 Acq: 10 Feb 2020 14:13

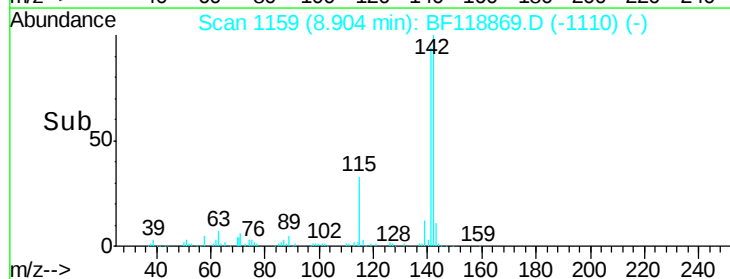
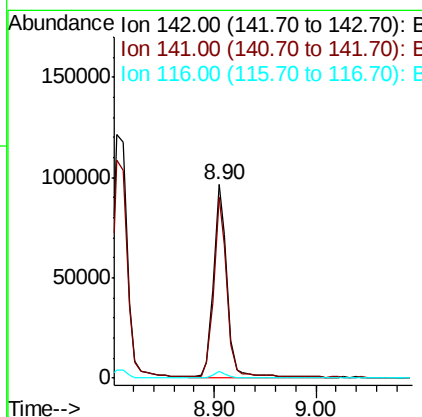
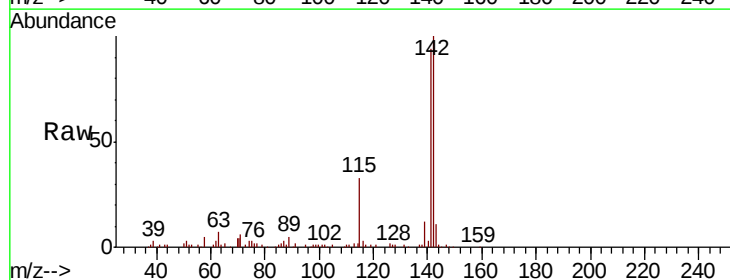
Instrument :
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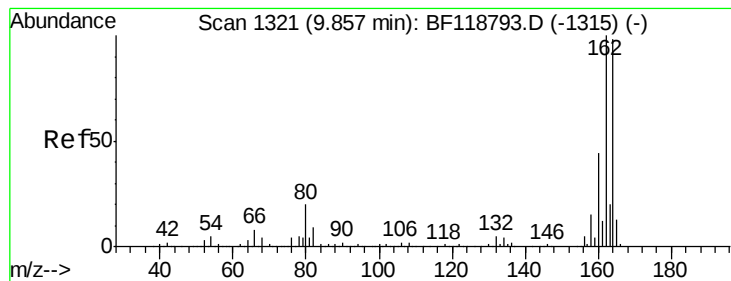
Tot Ion:	142	Resp:	122263
Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.1	105.1
115	35.1	27.3	40.9



#38
 1-Methylnaphthalene
 Concen: 3.819 ng
 RT: 8.90 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: BF118869.D
 Acq: 10 Feb 2020 14:13

Tgt Ion:	142	Resp:	90307
Ion	Ratio	Lower	Upper
142	100		
141	93.8	73.8	110.6
116	3.5	3.0	4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

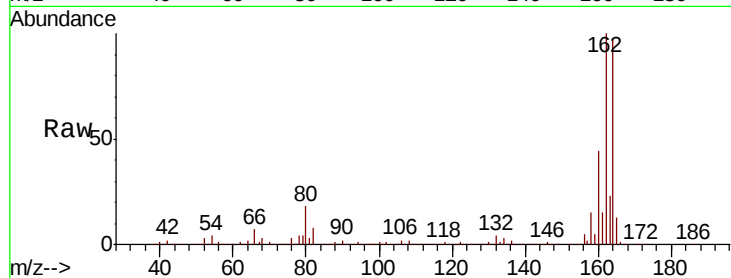
Tot Ion:164 Resp: 562706

Ion Ratio Lower Upper

164 100

162 103.3 81.4 122.2

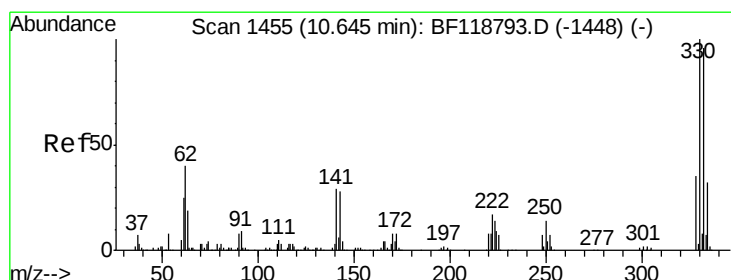
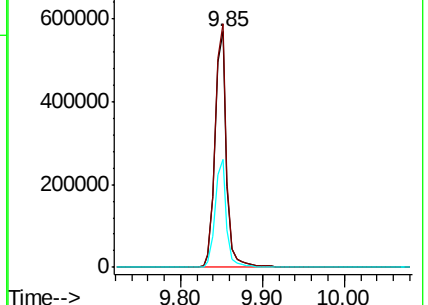
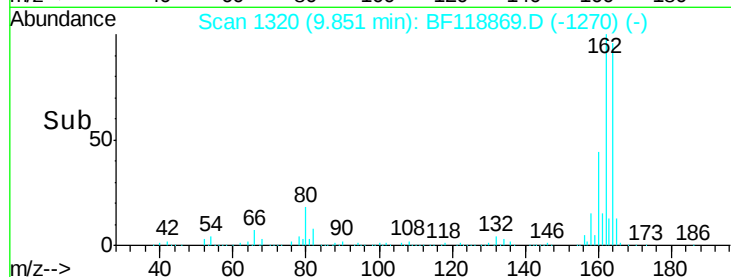
160 45.7 35.6 53.4



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: 102.353 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

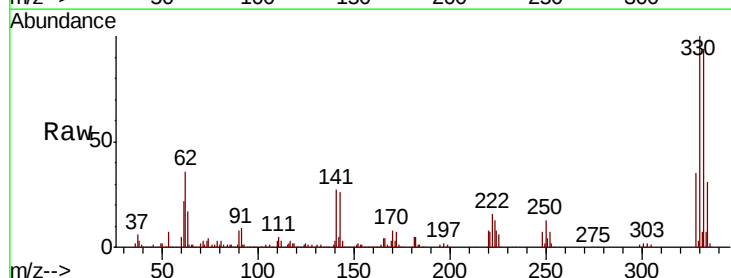
Tgt Ion:330 Resp: 689137

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

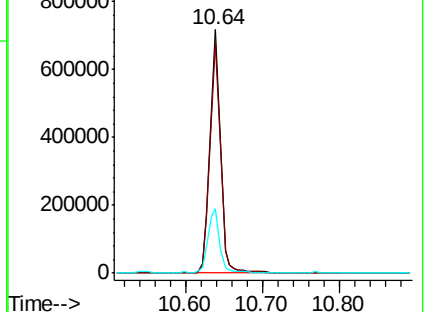
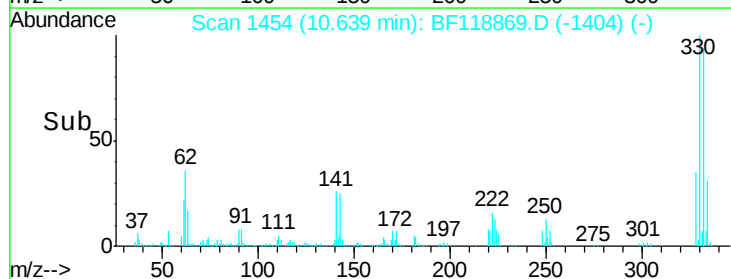
141 28.1 22.4 33.6

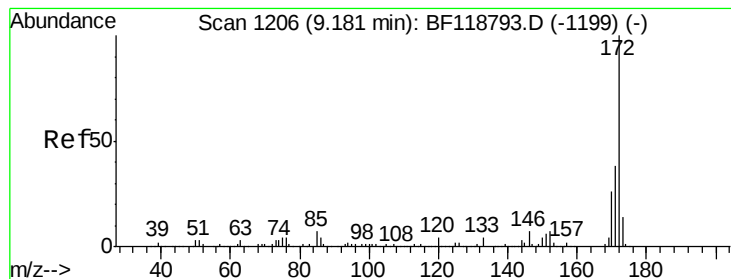


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 59.858 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

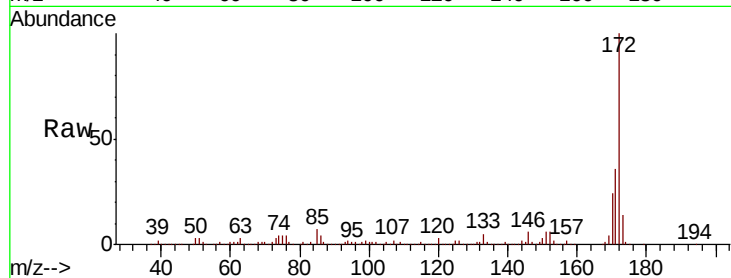
Tot Ion:172 Resp: 1884114

Ion Ratio Lower Upper

172 100

171 36.5 30.8 46.2

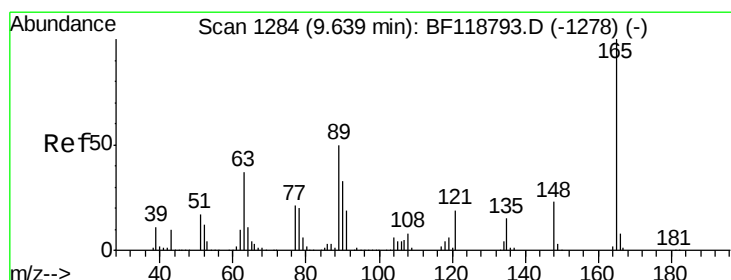
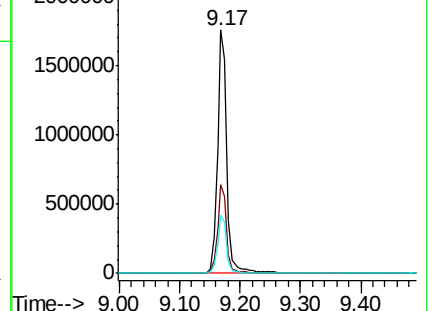
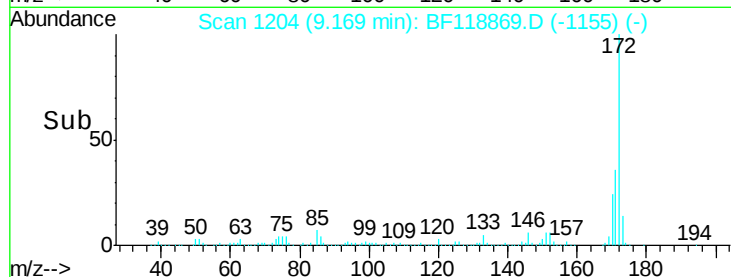
170 23.9 20.5 30.7



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



#51

2,6-Dinitrotoluene

Concen: 8.842 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

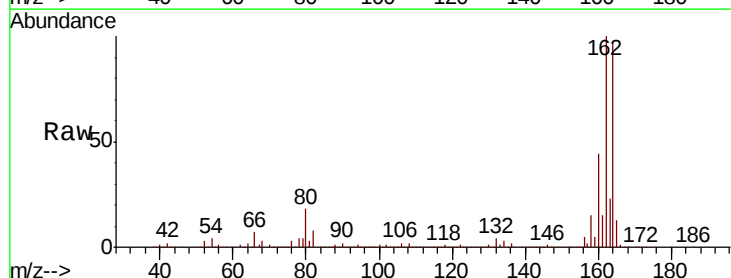
Tgt Ion:165 Resp: 77514

Ion Ratio Lower Upper

165 100

63 1.1 37.4 56.0#

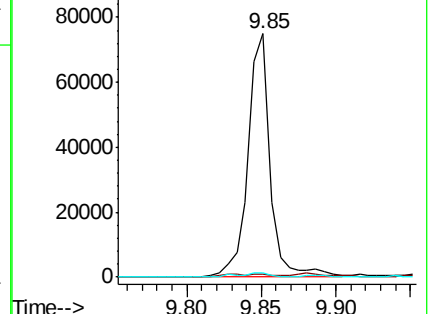
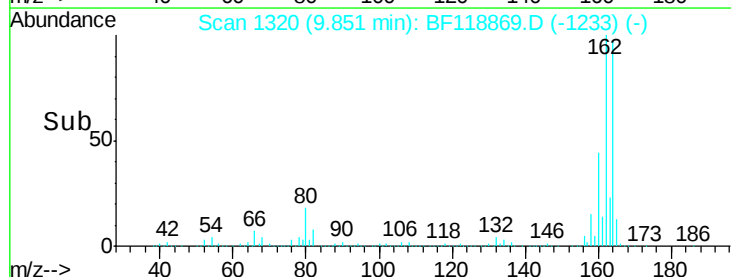
89 1.6 39.7 59.5#

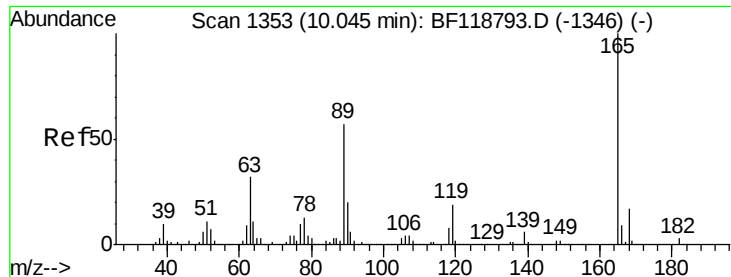


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

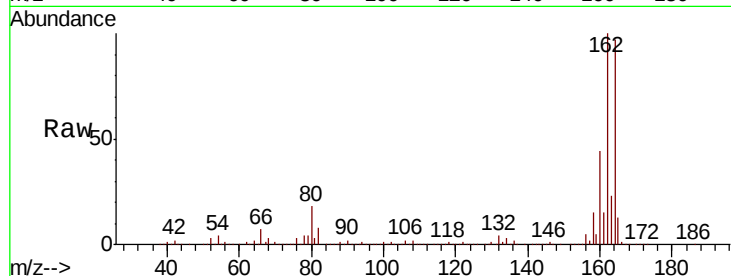




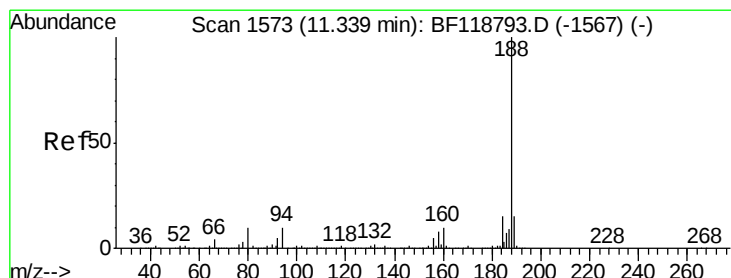
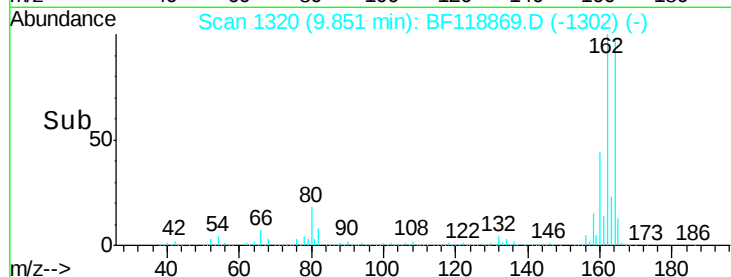
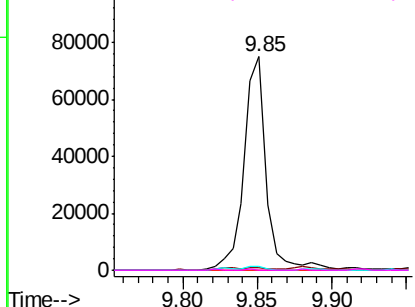
#57
 2,4-Dinitrotoluene
 Concen: 6.681 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF118869.D
 Acq: 10 Feb 2020 14:13

Instrument :
 BNA_F
 ClientSampleId :
 PE-2-(BASE)

Tot Ion:165 Resp: 77514
 Ion Ratio Lower Upper
 165 100
 63 1.1 25.5 38.3#
 89 1.6 45.4 68.0#
 182 0.0 2.4 3.6#

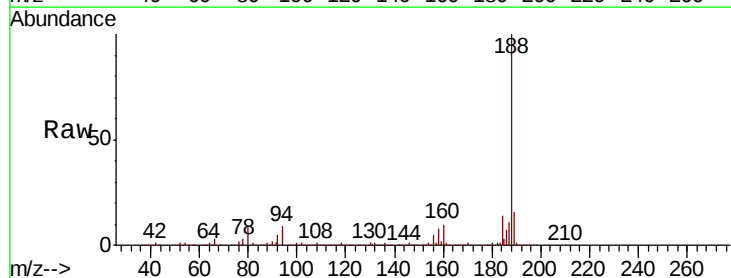


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

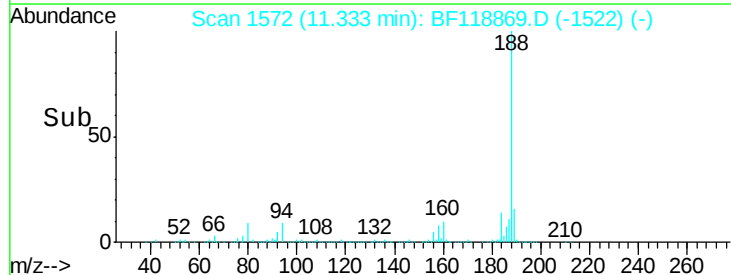
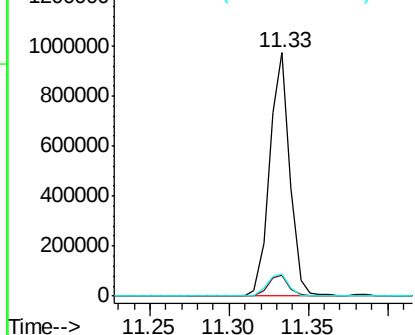


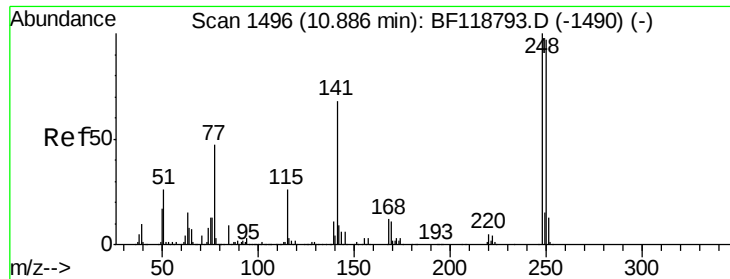
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF118869.D
 Acq: 10 Feb 2020 14:13

Tgt Ion:188 Resp: 871444
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.9 11.9
 80 9.3 8.4 12.6



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





#67

4-Bromophenyl-phenylether

Concen: 4.287 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.25 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

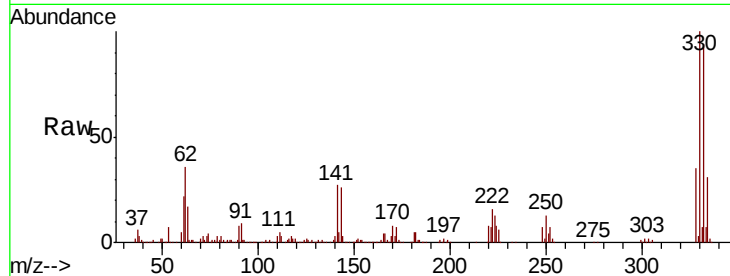
Tot Ion:248 Resp: 44191

Ion Ratio Lower Upper

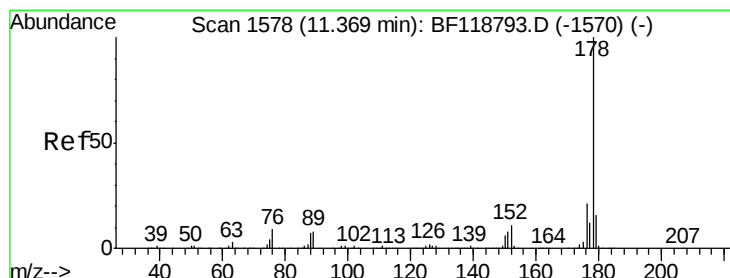
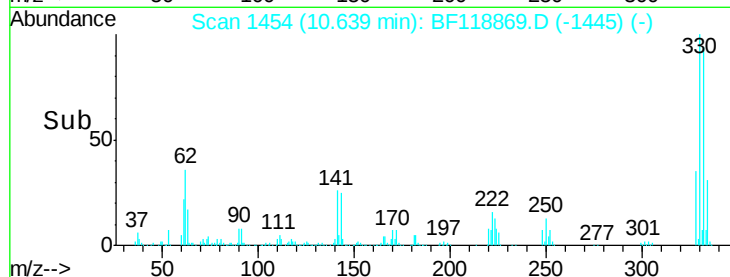
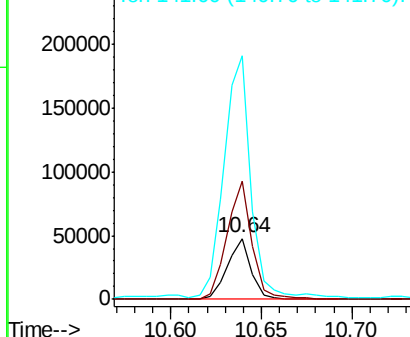
248 100

250 194.6 77.6 116.4#

141 401.5 54.4 81.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#71

Phenanthrene

Concen: 3.540 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

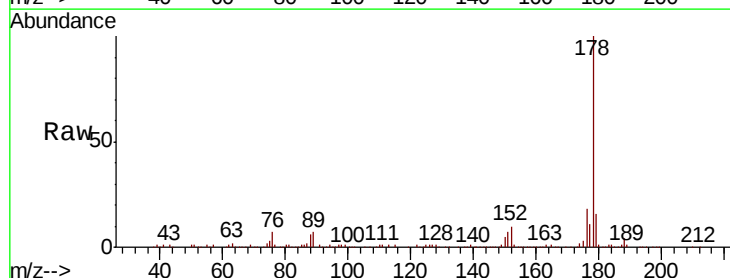
Tgt Ion:178 Resp: 151768

Ion Ratio Lower Upper

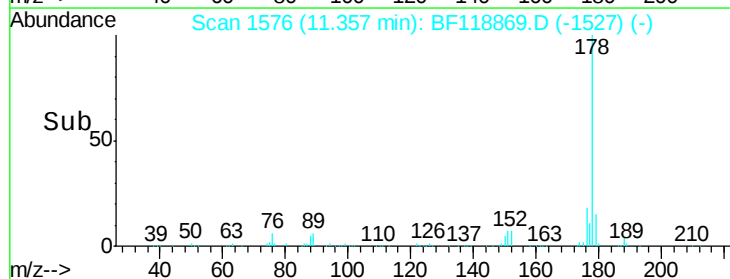
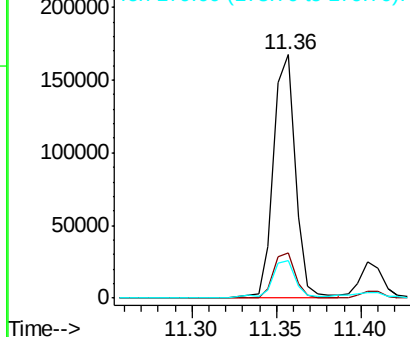
178 100

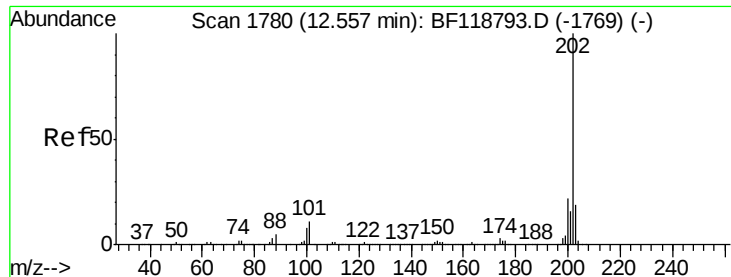
176 18.4 16.6 24.8

179 15.6 13.2 19.8



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





#75

Fluoranthene

Concen: 3.375 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.02 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

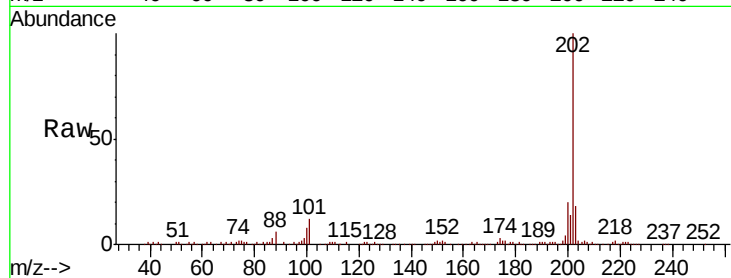
Tot Ion:202 Resp: 158006

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.0

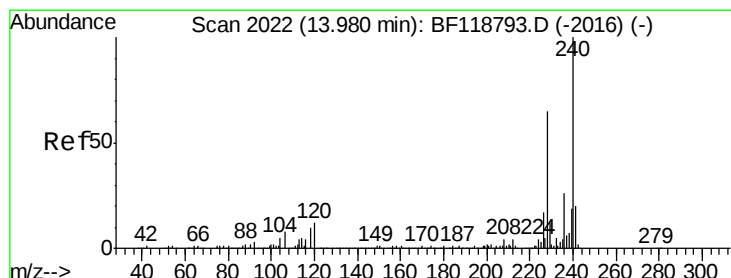
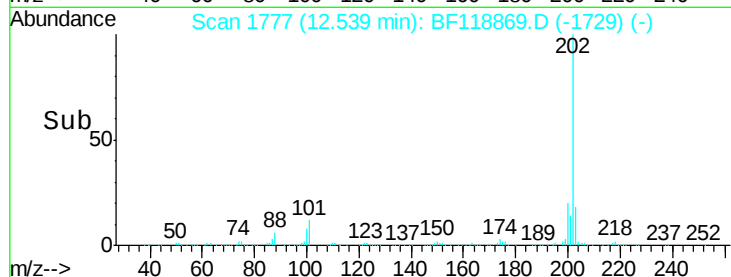
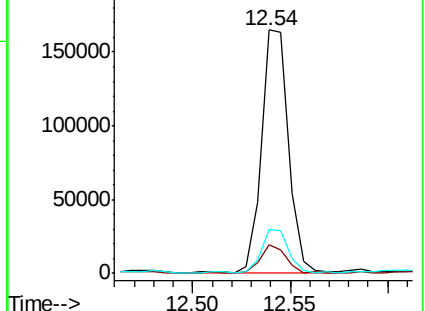
203 18.1 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

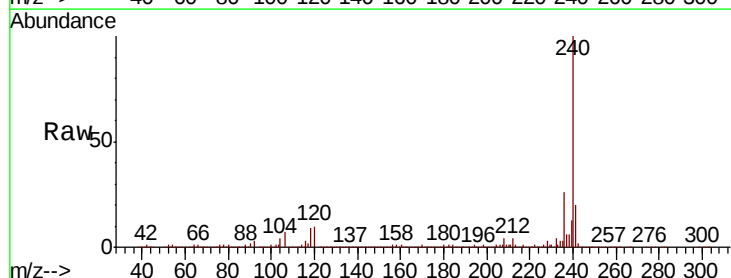
Tgt Ion:240 Resp: 821201

Ion Ratio Lower Upper

240 100

120 10.2 9.4 14.0

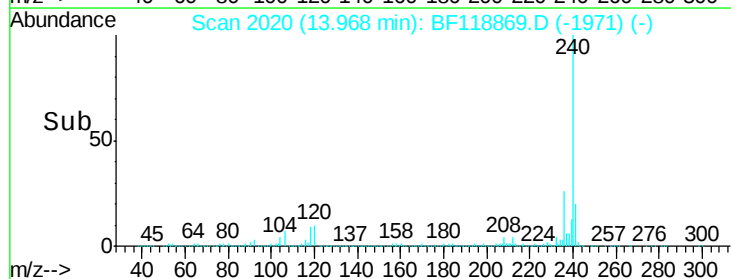
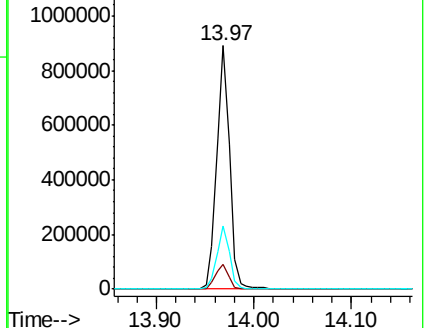
236 25.8 21.0 31.6

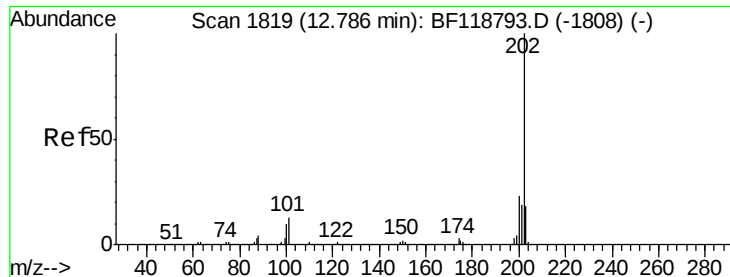


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.501 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

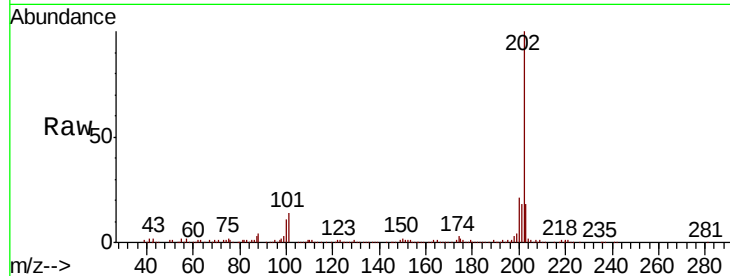
Tot Ion:202 Resp: 140887

Ion Ratio Lower Upper

202 100

200 20.6 18.2 27.2

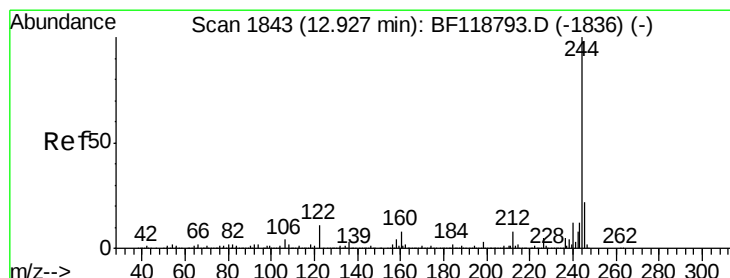
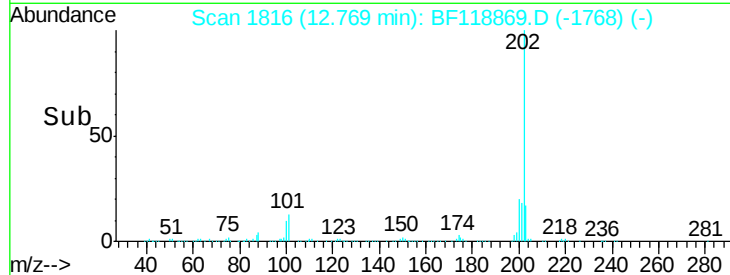
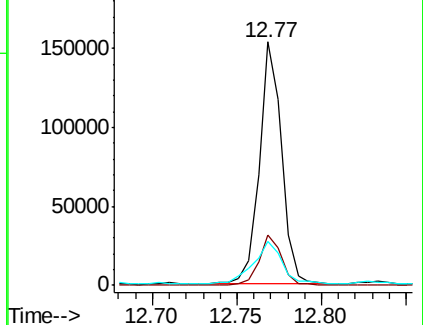
203 17.9 14.8 22.2



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: 62.486 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

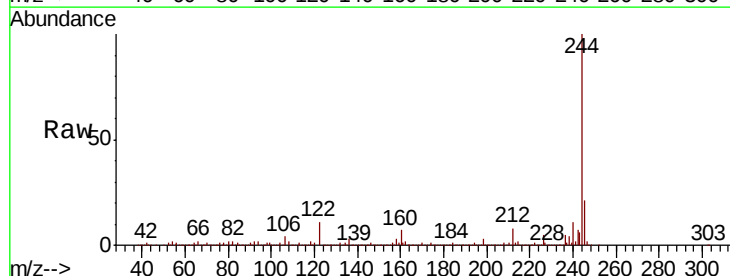
Tgt Ion:244 Resp: 2498163

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

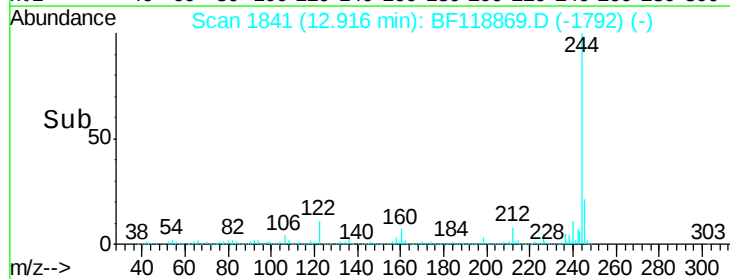
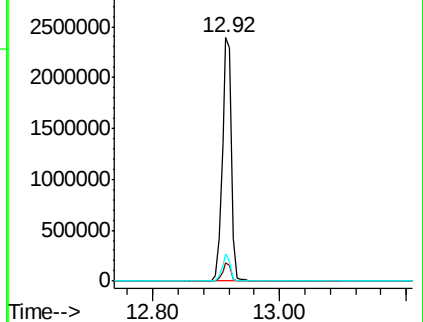
122 11.0 8.9 13.3

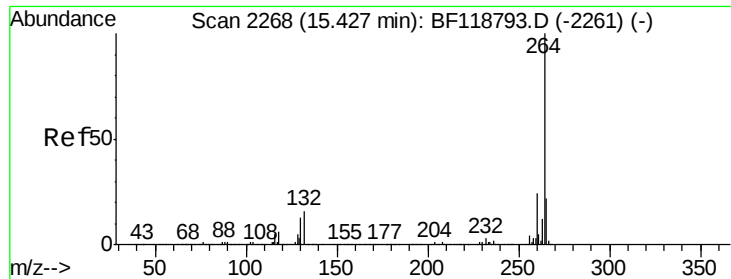


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

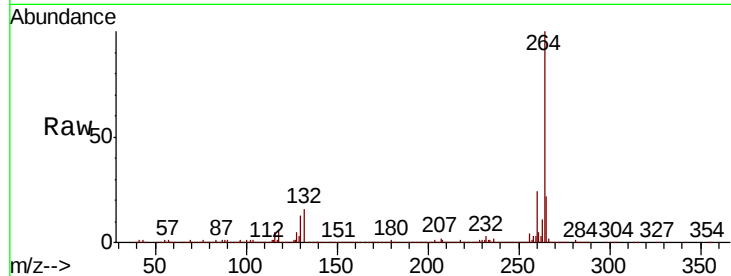
Tot Ion:264 Resp: 722328

Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

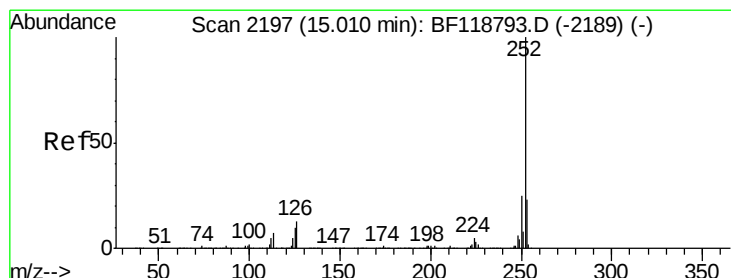
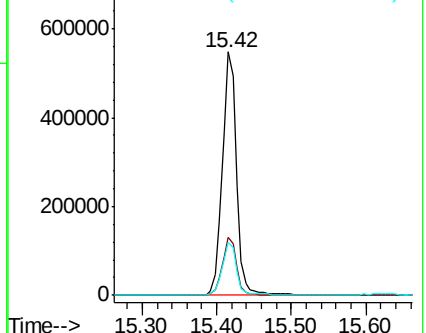
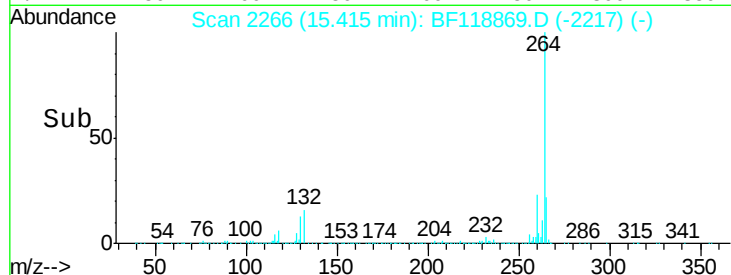
265 21.8 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 2.607 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

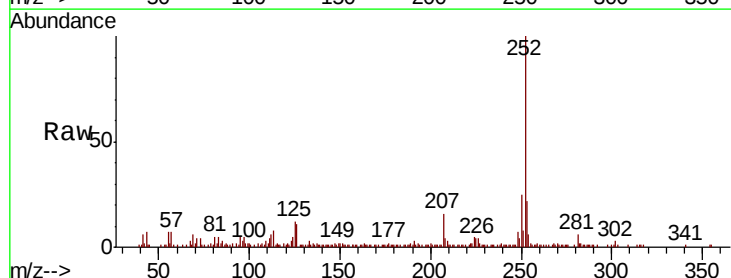
Tgt Ion:252 Resp: 116845

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

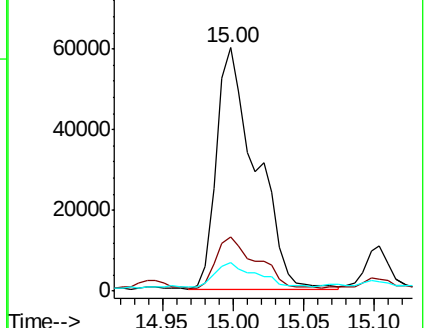
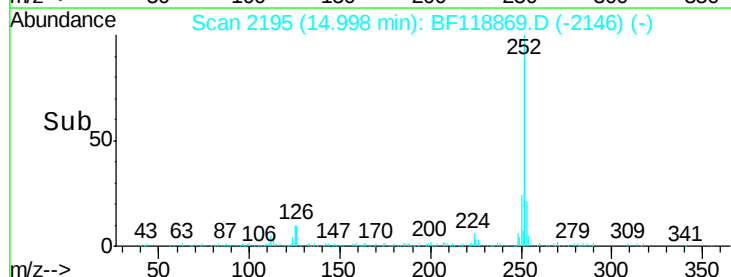
125 11.9 8.1 12.1

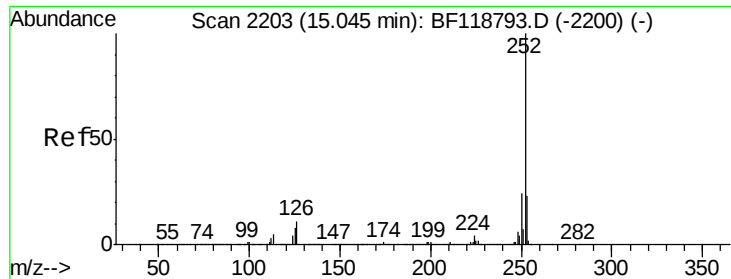


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.994 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.05 min

Lab File: BF118869.D

Acq: 10 Feb 2020 14:13

Instrument :

BNA_F

ClientSampleId :

PE-2-(BASE)

Tot Ion:252 Resp: 116845

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

125 11.9 7.0 10.6

