

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
 Data File : BF118771.D
 Acq On : 31 Jan 2020 00:20
 Operator : CG/JU
 Sample : L1319-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAINEY-PARK-BH-06-C

Quant Time: Jan 31 02:36:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	224453	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	705627	20.00	ng	-0.02
39) Acenaphthene-d10	9.89	164	326909	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	591825	20.00	ng	0.00
76) Chrysene-d12	14.01	240	573137	20.00	ng	-0.01
87) Perylene-d12	15.47	264	617909	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1238570	102.49	ng	-0.02
7) Phenol-d6	6.47	99	1490177	94.87	ng	-0.02
23) Nitrobenzene-d5	7.40	82	945849	74.98	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	397100	105.02	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1552560	78.06	ng	-0.01
79) Terphenyl-d14	12.96	244	1857144	70.67	ng	0.00

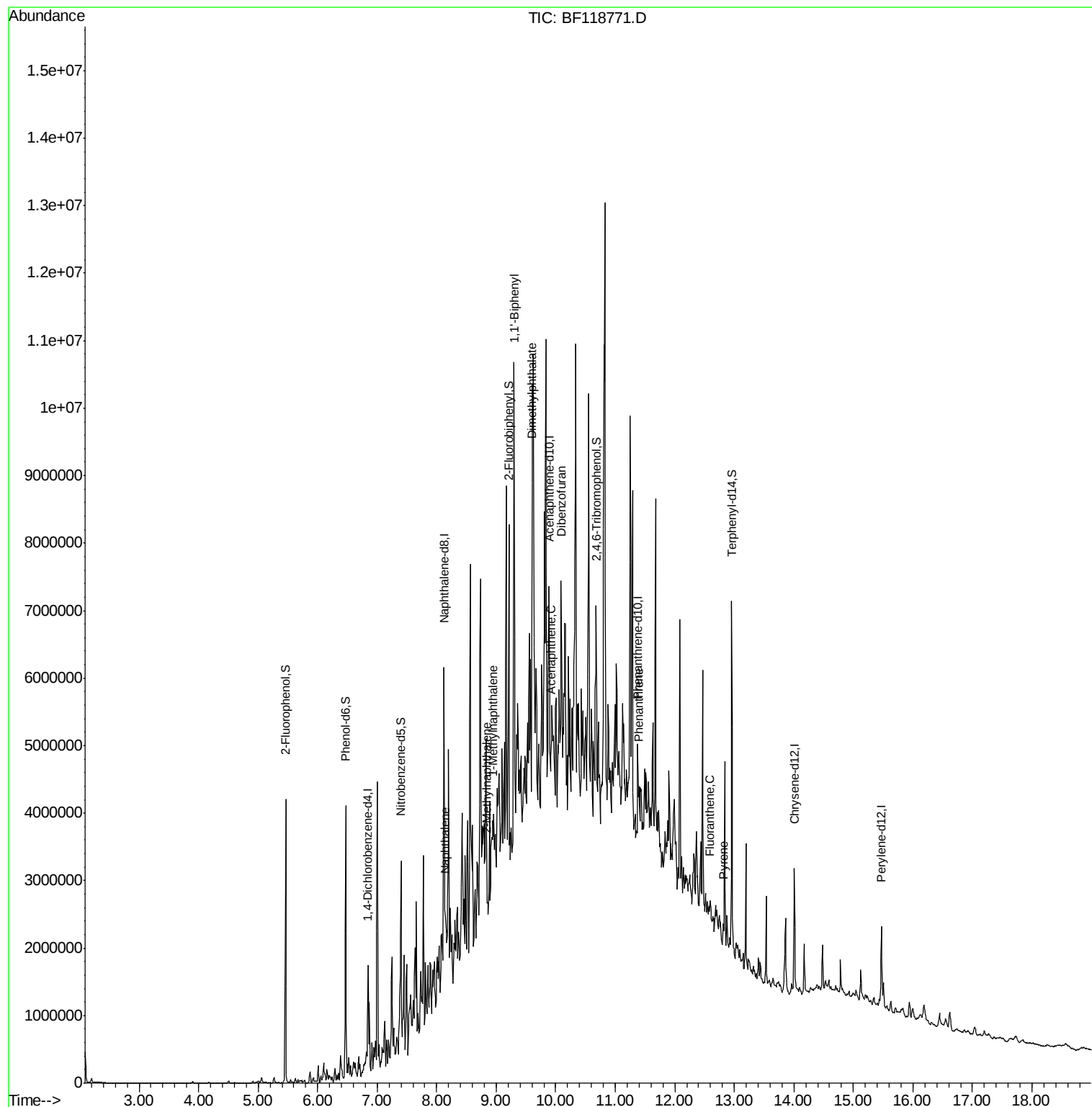
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.15	128	69745	2.188	ng	# 77
37) 2-Methylnaphthalene	8.85	142	80701	3.587	ng	# 91
38) 1-Methylnaphthalene	8.95	142	118274	5.533	ng	# 92
46) 1,1'-Biphenyl	9.31	154	63362	2.812	ng	# 98
50) Dimethylphthalate	9.60	163	82856	3.890	ng	# 39
52) Acenaphthene	9.92	154	57848	3.238	ng	# 82
55) Dibenzofuran	10.09	168	65432	2.643	ng	# 1
71) Phenanthrene	11.40	178	168911	5.916	ng	# 80
75) Fluoranthene	12.59	202	80436	2.671	ng	# 88
78) Pyrene	12.82	202	110673	2.844	ng	# 93

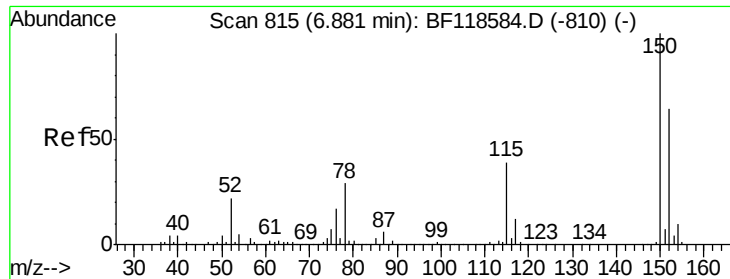
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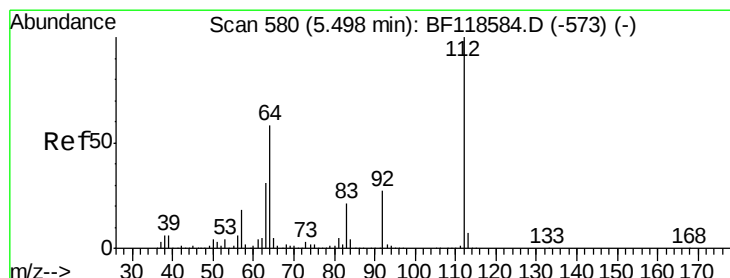
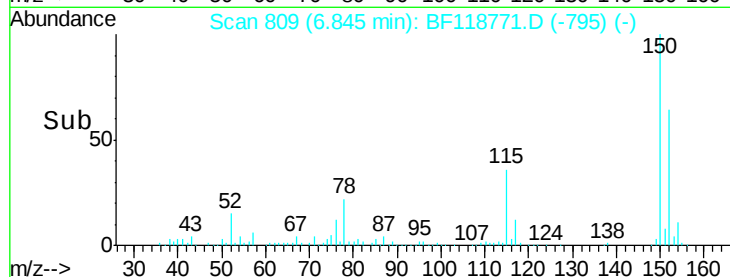
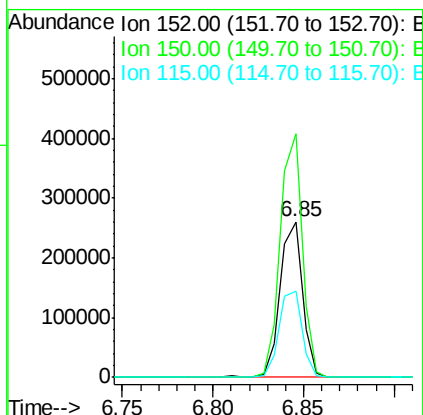
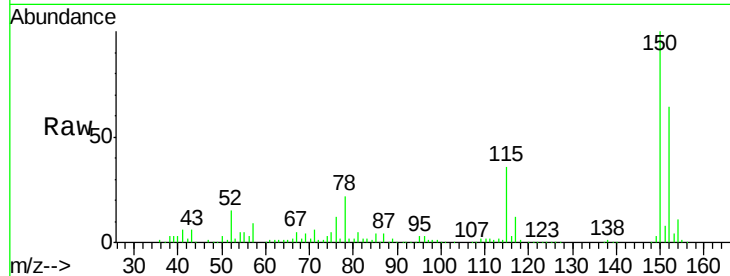


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-06-C

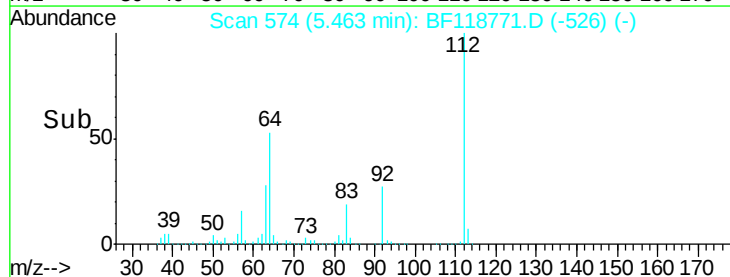
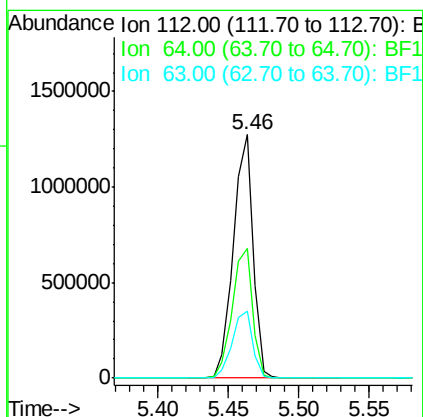
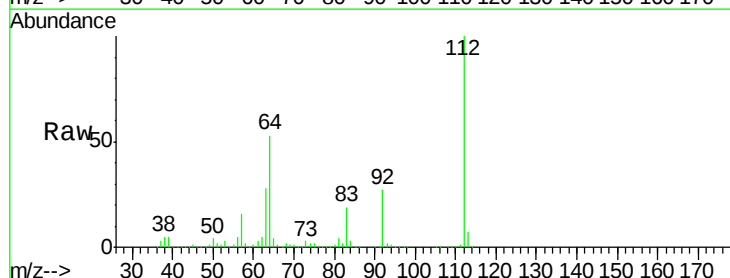
Tot Ion:152 Resp: 224453
Ion Ratio Lower Upper
152 100
150 156.4 123.7 185.5
115 55.6 45.1 67.7

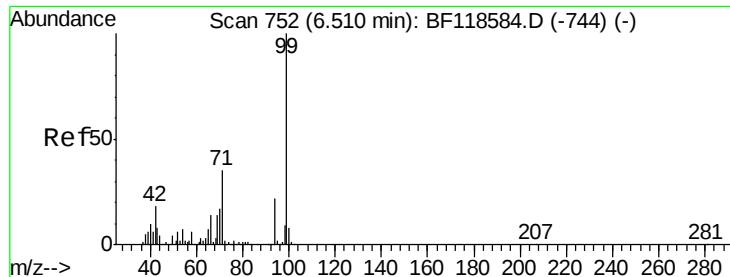


#5

2-Fluorophenol
Concen: 102.486 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

Tgt Ion:112 Resp: 1238570
Ion Ratio Lower Upper
112 100
64 53.4 42.4 63.6
63 27.8 21.7 32.5





#7

Phenol-d6

Concen: 94.869 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF118771.D

Acq: 31 Jan 2020 00:20

Instrument :

BNA_F

ClientSampleId :

RAINEY-PARK-BH-06-C

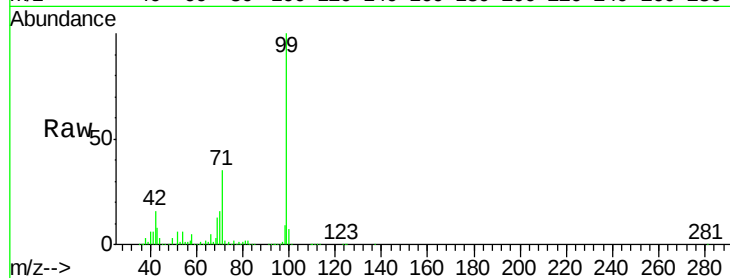
Tot Ion: 99 Resp: 1490177

Ion Ratio Lower Upper

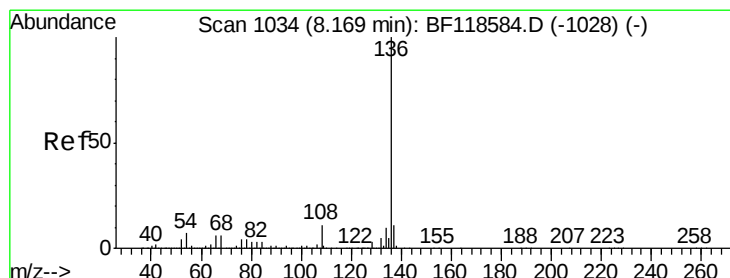
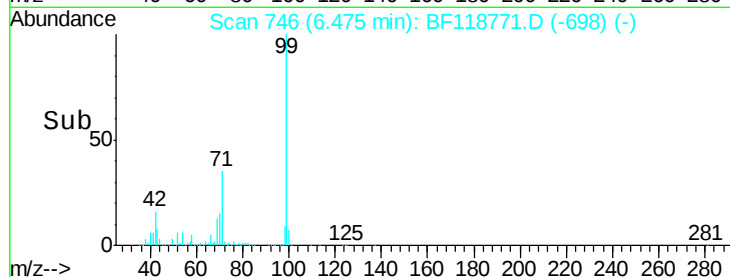
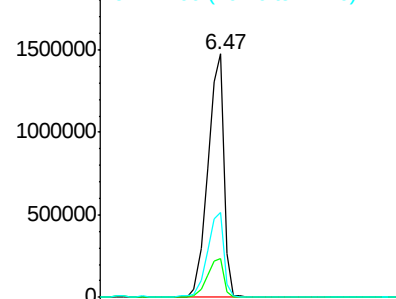
99 100

42 15.7 13.1 19.7

71 35.0 28.4 42.6



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF118771.D

Acq: 31 Jan 2020 00:20

Tgt Ion: 136 Resp: 705627

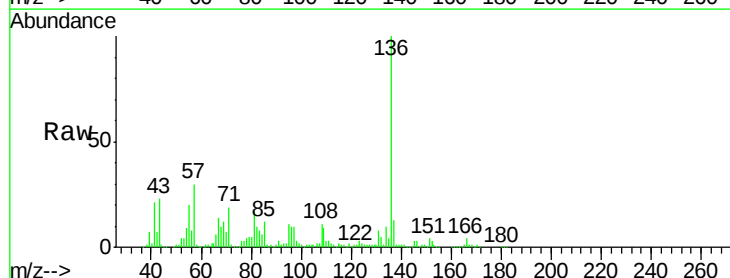
Ion Ratio Lower Upper

136 100

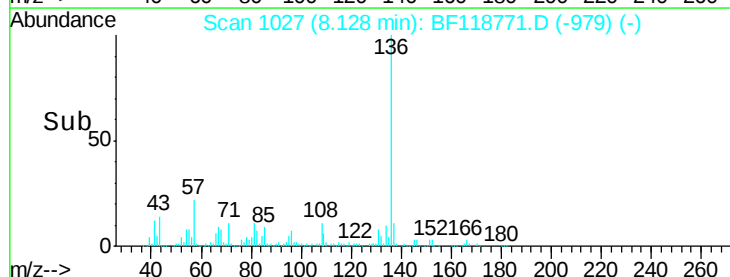
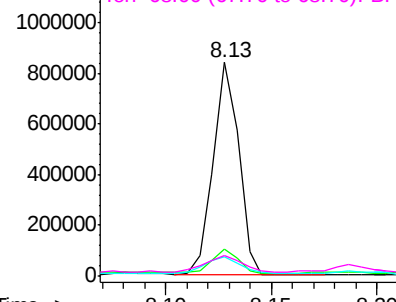
137 12.6 8.9 13.3

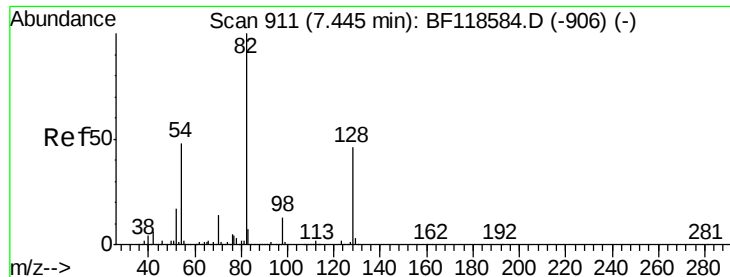
54 9.2 5.1 7.7#

68 9.6 4.3 6.5#



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

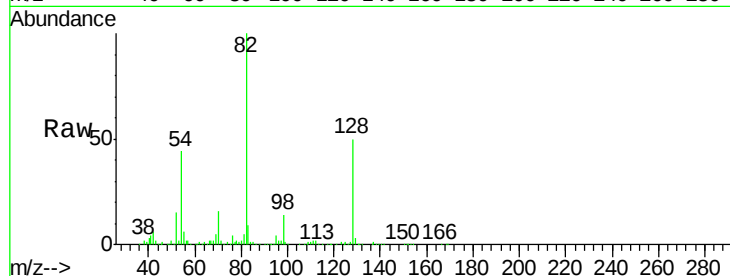




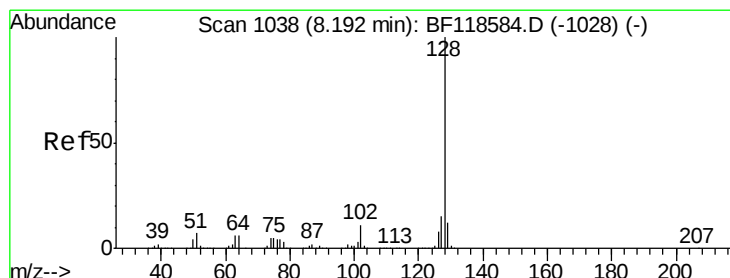
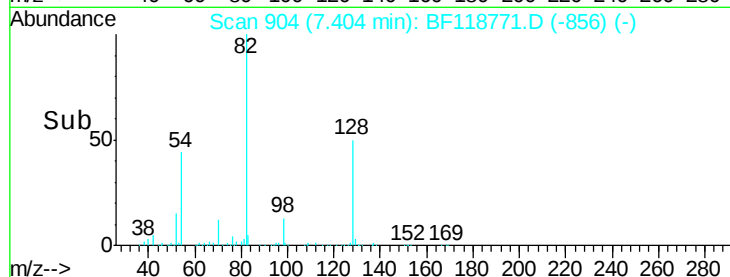
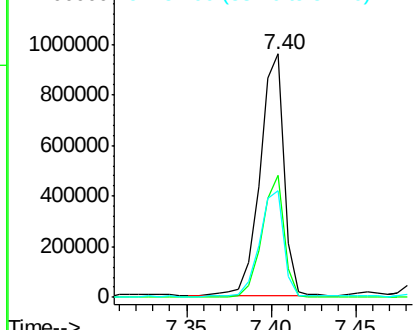
#23
Nitrobenzene-d5
Concen: 74.976 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.02 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-06-C

Tot Ion: 82 Resp: 945849
Ion Ratio Lower Upper
82 100
128 50.0 38.2 57.2
54 43.6 36.1 54.1

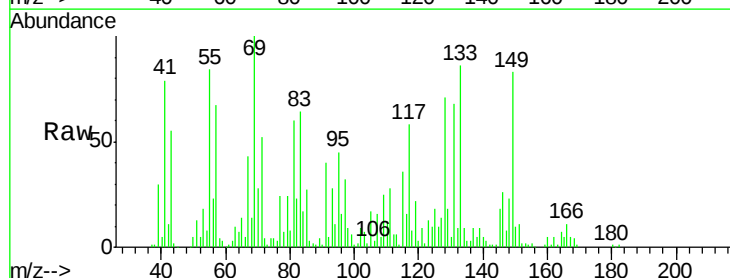


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

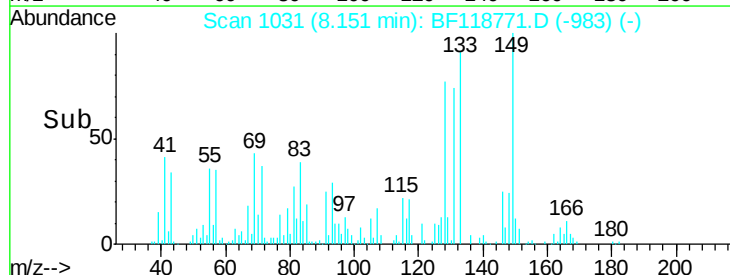
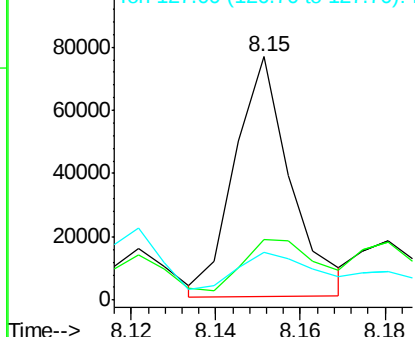


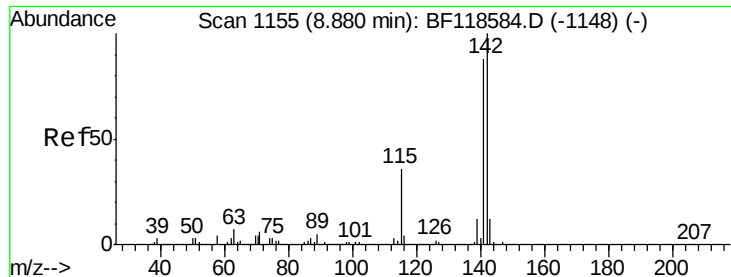
#31
Naphthalene
Concen: 2.188 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

Tgt Ion: 128 Resp: 69745
Ion Ratio Lower Upper
128 100
129 24.6 9.4 14.0#
127 19.8 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

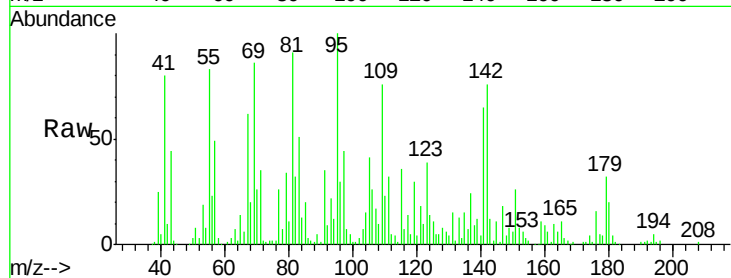




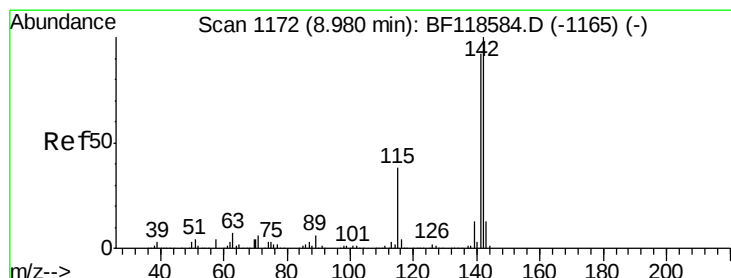
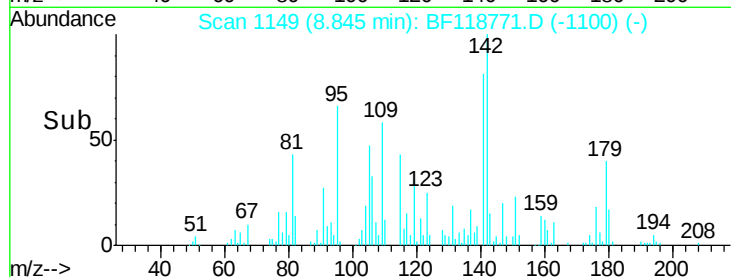
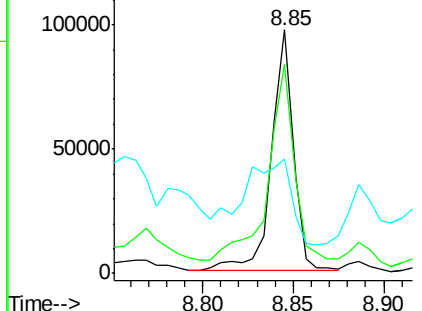
#37
2-Methylnaphthalene
Concen: 3.587 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-06-C

Tot Ion:142 Resp: 80701
Ion Ratio Lower Upper
142 100
141 85.8 71.4 107.0
115 47.0 27.5 41.3#

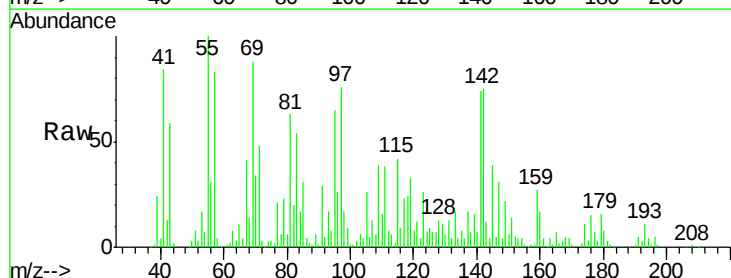


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

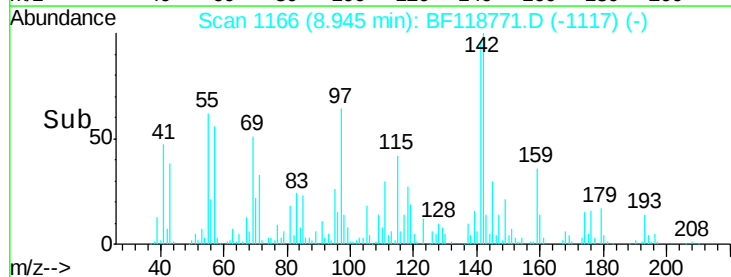
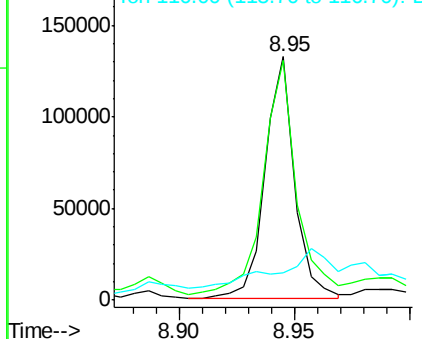


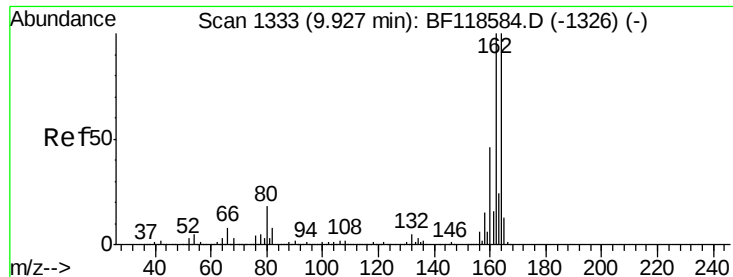
#38
1-Methylnaphthalene
Concen: 5.533 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

Tgt Ion:142 Resp: 118274
Ion Ratio Lower Upper
142 100
141 98.6 73.5 110.3
116 11.3 3.0 4.6#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

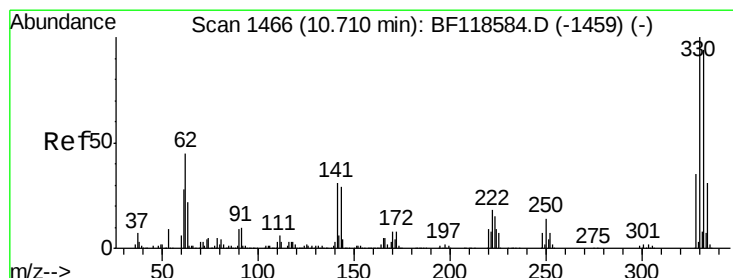
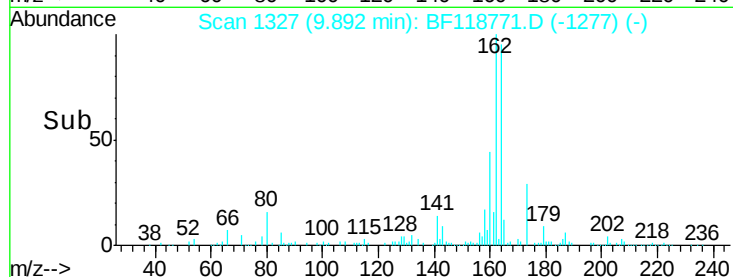
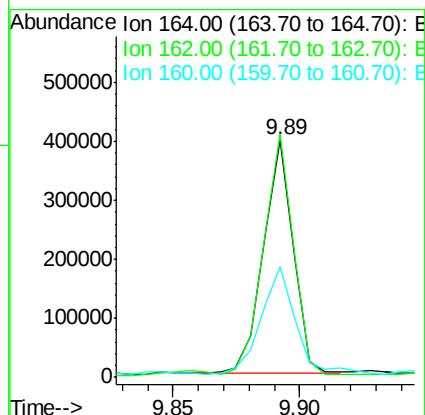
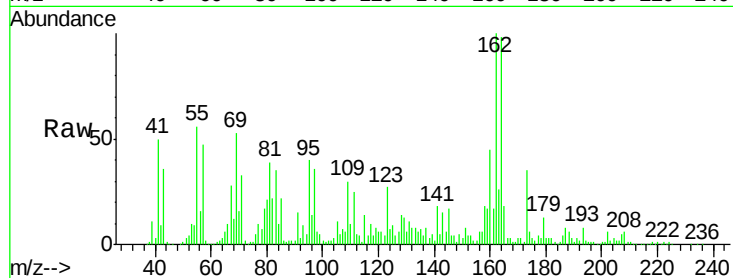




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF118771.D
 Acq: 31 Jan 2020 00:20

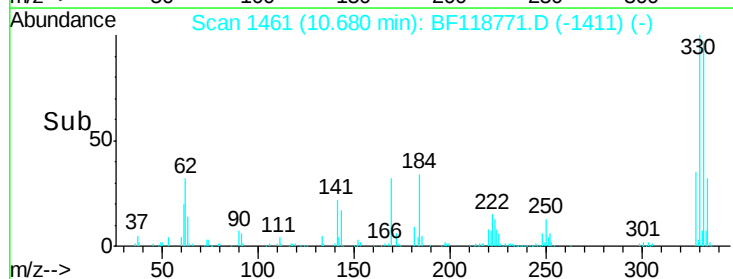
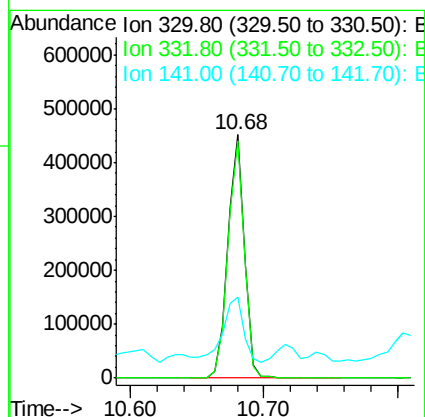
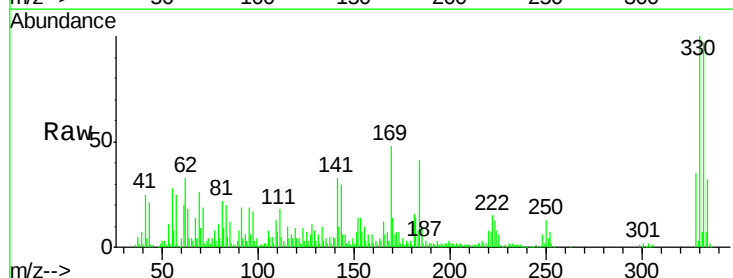
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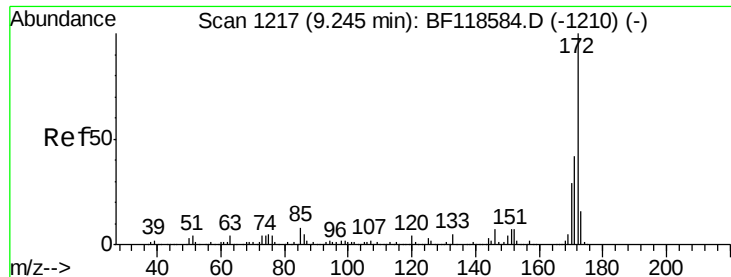
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.8	121.2
160	46.5	35.4	53.0



#42
 2,4,6-Tribromophenol
 Concen: 105.022 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF118771.D
 Acq: 31 Jan 2020 00:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.6	116.4
141	32.3	22.2	33.2

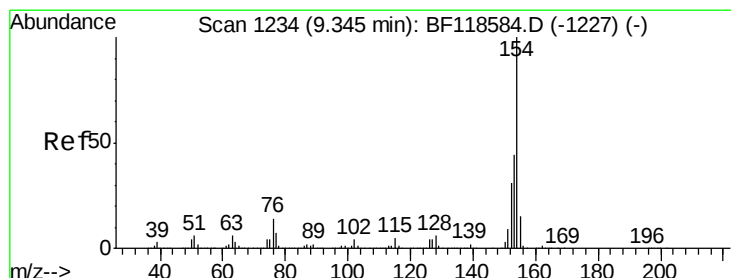
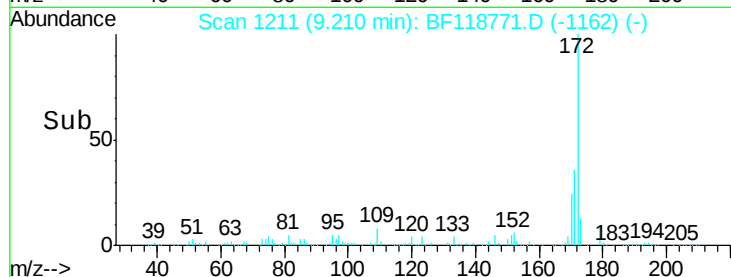
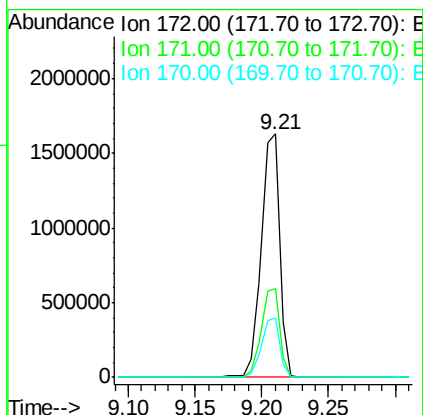
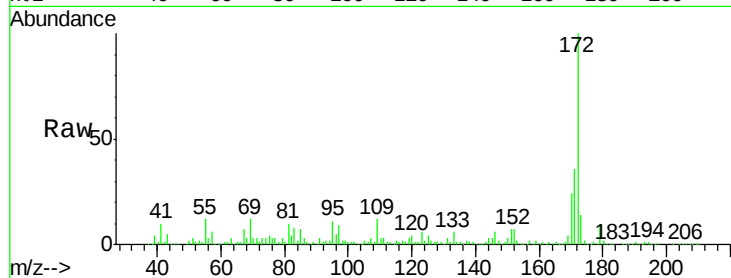




#45
2-Fluorobiphenyl
Concen: 78.059 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

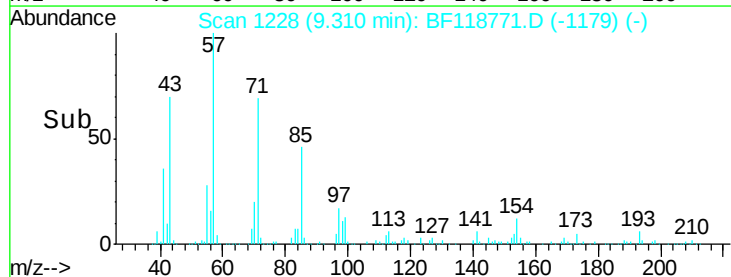
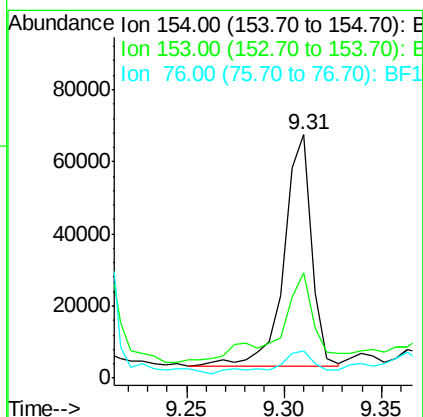
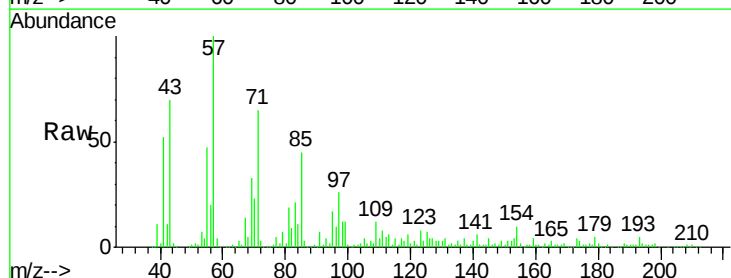
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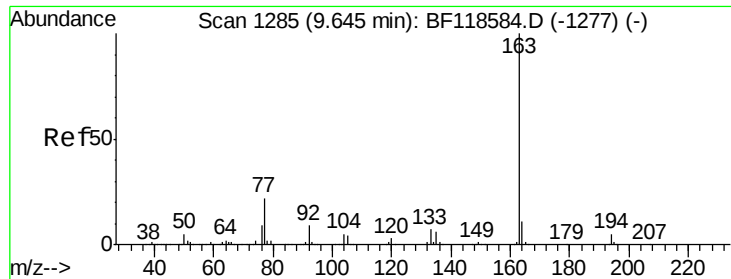
Tot Ion:172 Resp: 1552560
Ion Ratio Lower Upper
172 100
171 36.4 31.0 46.4
170 24.1 20.7 31.1



#46
1,1'-Biphenyl
Concen: 2.812 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

Tgt Ion:154 Resp: 63362
Ion Ratio Lower Upper
154 100
153 43.1 22.3 62.3
76 11.0 0.0 32.0





#50

Dimethylphthalate

Concen: 3.890 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF118771.D

Acq: 31 Jan 2020 00:20

Instrument :

BNA_F

ClientSampleId :

RAINEY-PARK-BH-06-C

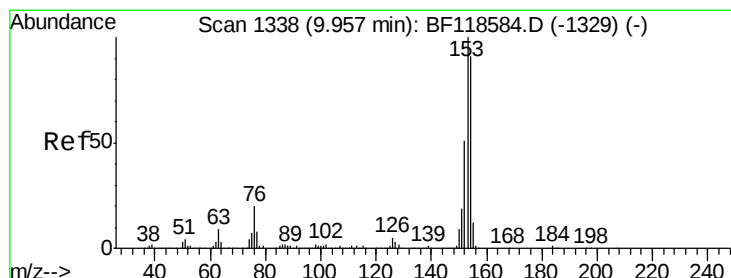
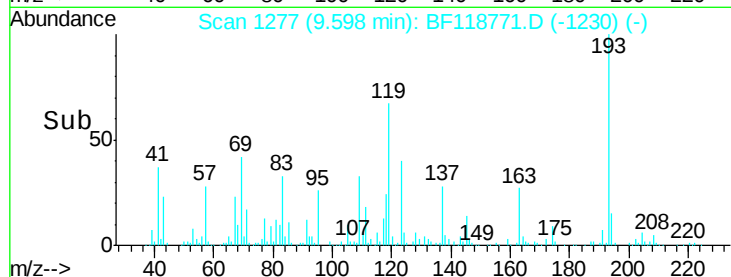
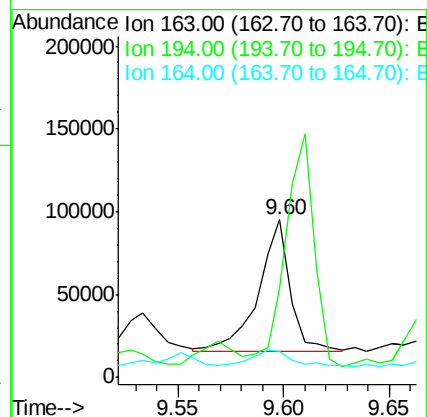
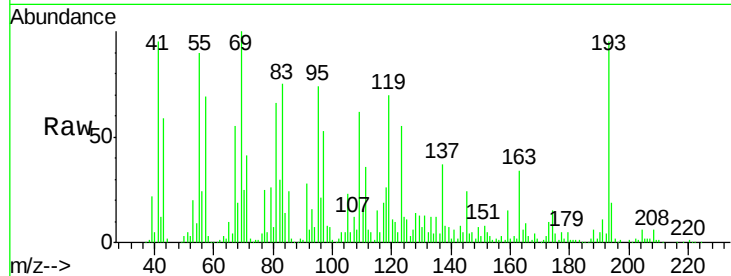
Tot Ion:163 Resp: 82856

Ion Ratio Lower Upper

163 100

194 56.5 3.7 5.5#

164 16.7 8.2 12.2#



#52

Acenaphthene

Concen: 3.238 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF118771.D

Acq: 31 Jan 2020 00:20

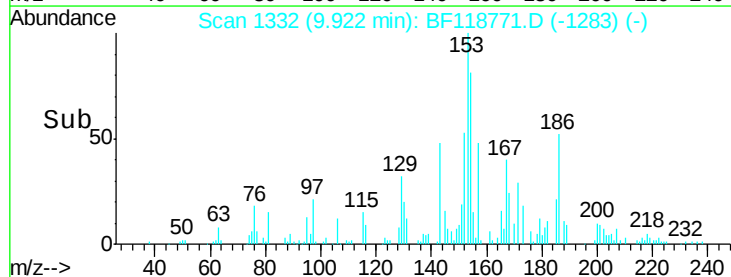
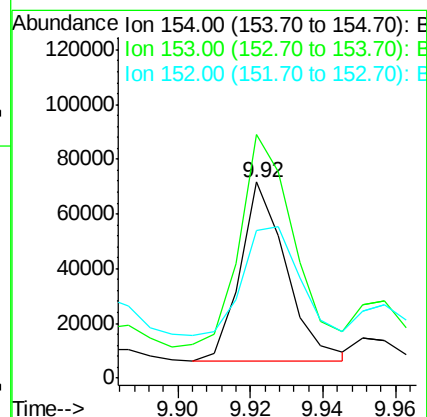
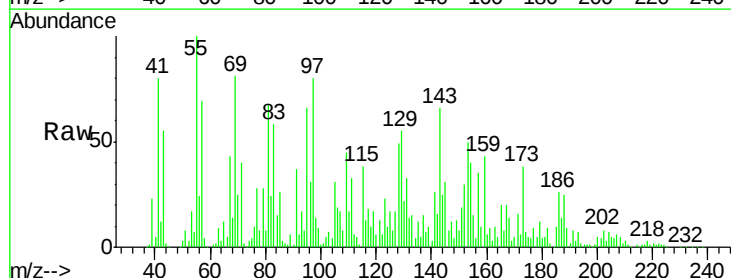
Tgt Ion:154 Resp: 57848

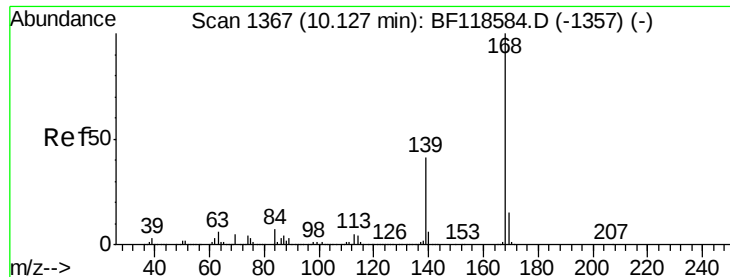
Ion Ratio Lower Upper

154 100

153 124.4 89.1 133.7

152 75.3 43.0 64.6#

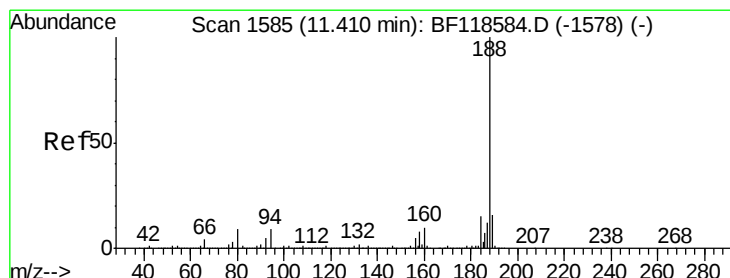
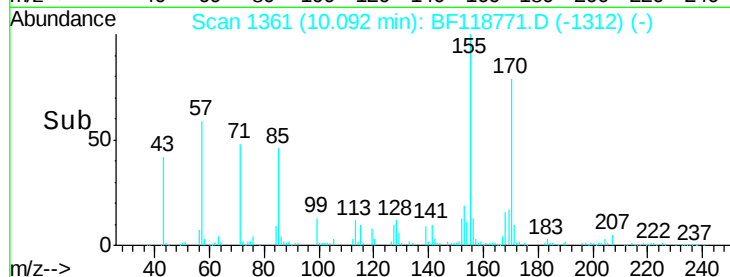
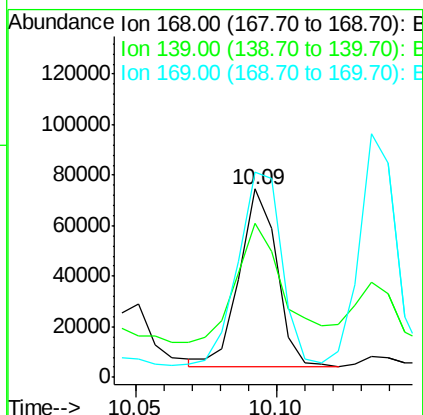
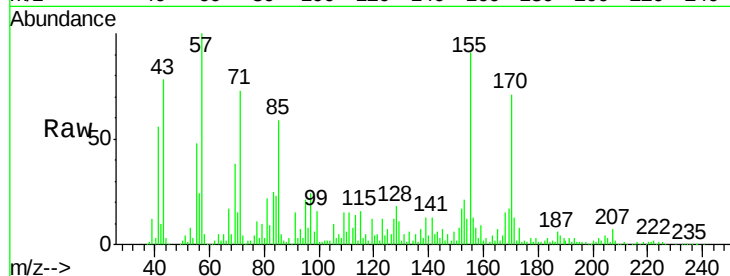




#55
Dibenzofuran
Concen: 2.643 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

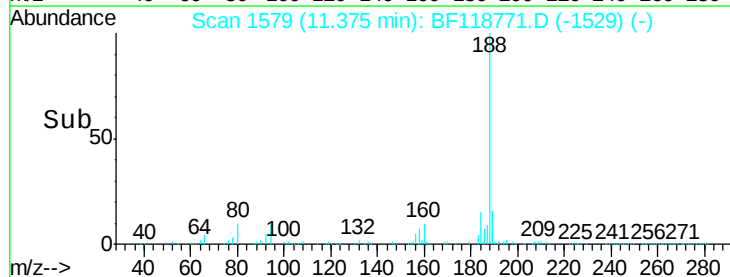
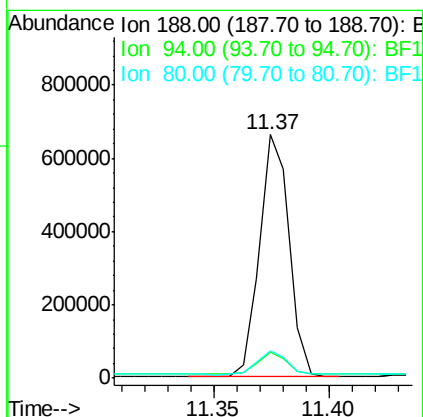
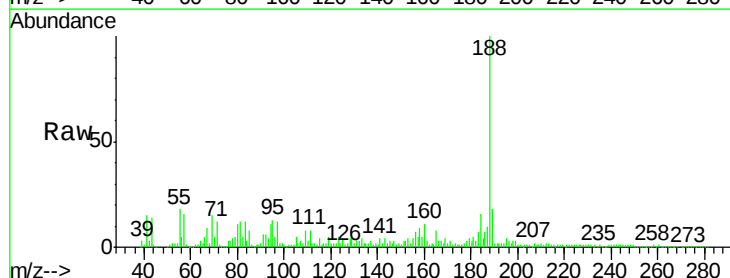
Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-06-C

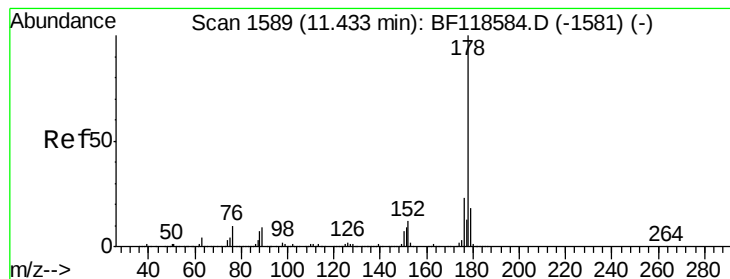
Tot Ion:168 Resp: 65432
Ion Ratio Lower Upper
168 100
139 81.9 31.6 47.4#
169 109.2 11.4 17.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

Tgt Ion:188 Resp: 591825
Ion Ratio Lower Upper
188 100
94 10.9 7.4 11.2
80 11.2 7.8 11.8





#71

Phenanthrene

Concen: 5.916 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF118771.D

Acq: 31 Jan 2020 00:20

Instrument :

BNA_F

ClientSampleId :

RAINEY-PARK-BH-06-C

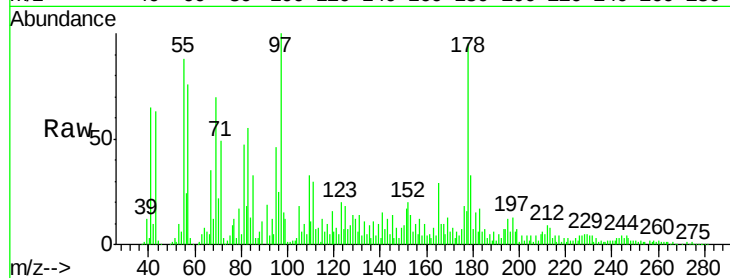
Tot Ion:178 Resp: 168911

Ion Ratio Lower Upper

178 100

176 19.2 16.5 24.7

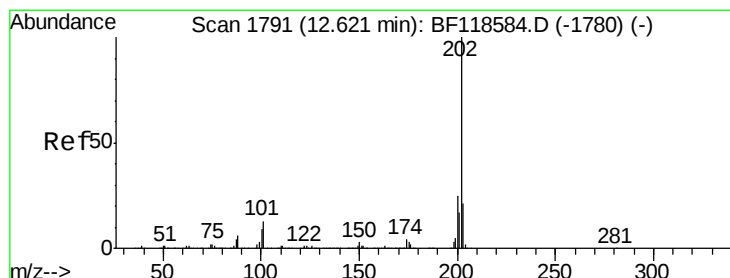
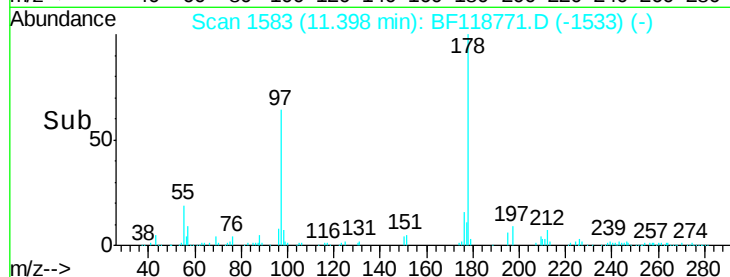
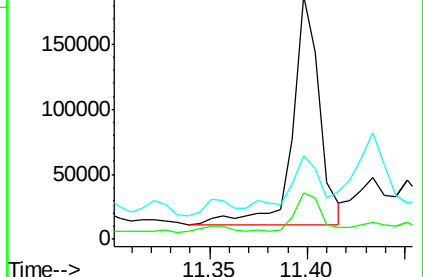
179 34.5 13.3 19.9#



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: 2.671 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BF118771.D

Acq: 31 Jan 2020 00:20

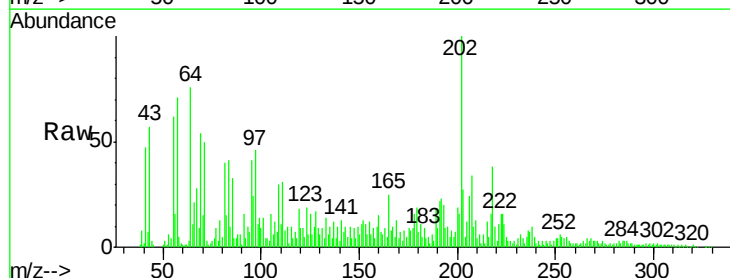
Tgt Ion:202 Resp: 80436

Ion Ratio Lower Upper

202 100

101 13.6 0.0 32.1

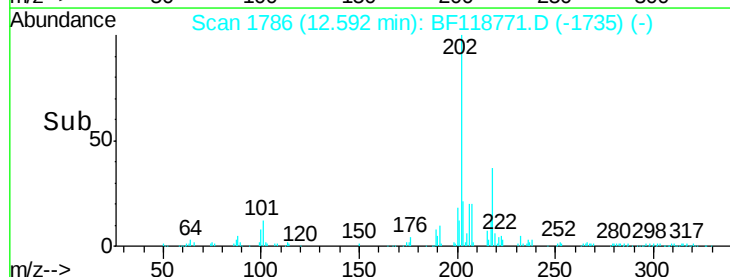
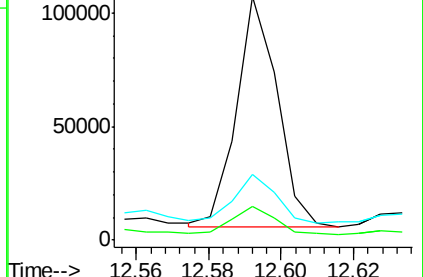
203 26.8 0.0 38.9

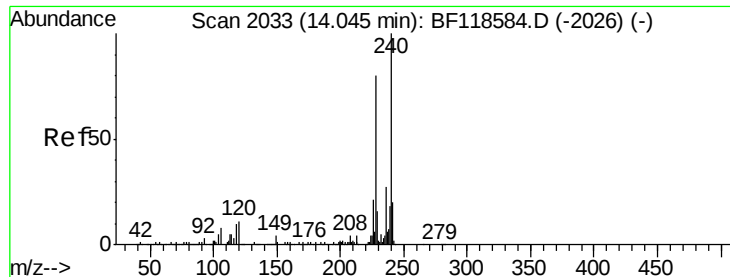


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

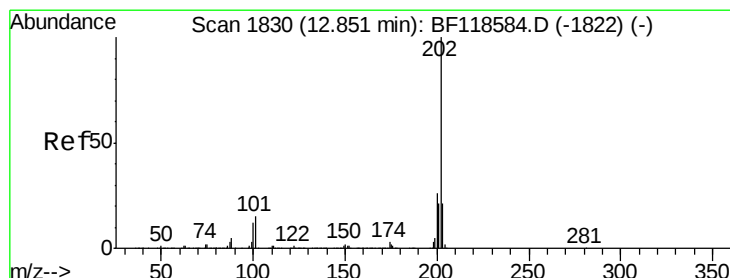
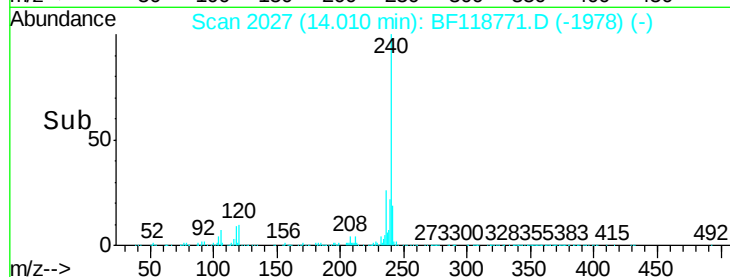
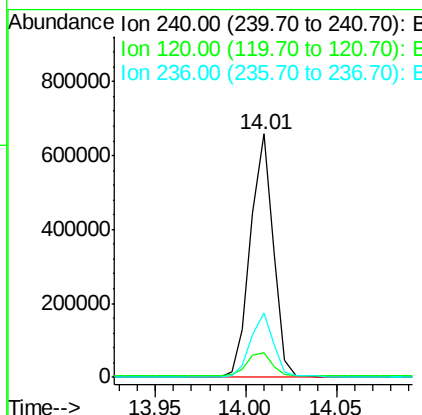
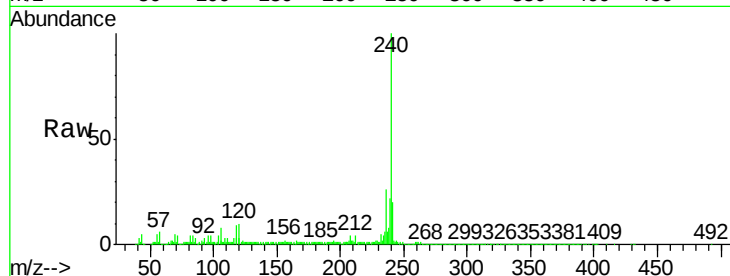




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

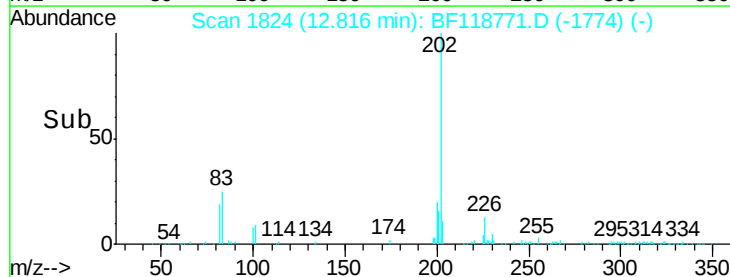
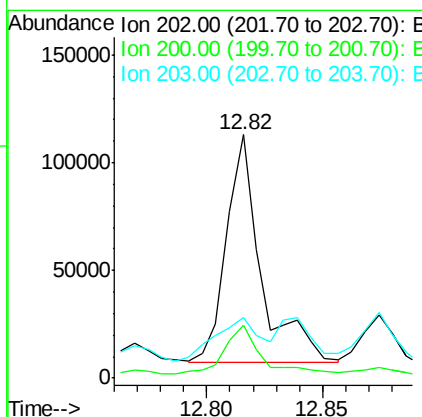
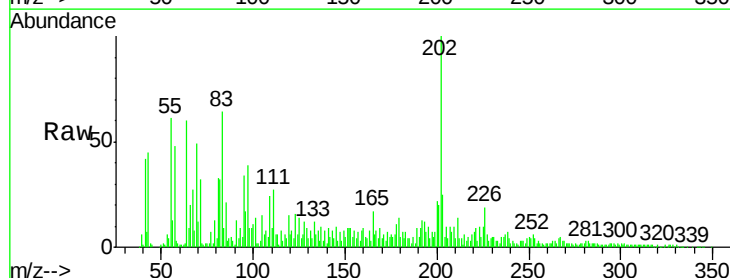
Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-06-C

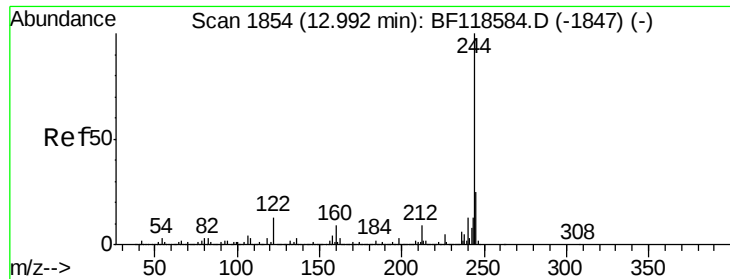
Tot Ion:240 Resp: 573137
Ion Ratio Lower Upper
240 100
120 10.4 7.6 11.4
236 26.3 21.0 31.4



#78
Pyrene
Concen: 2.844 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF118771.D
Acq: 31 Jan 2020 00:20

Tgt Ion:202 Resp: 110673
Ion Ratio Lower Upper
202 100
200 21.5 18.1 27.1
203 25.1 15.2 22.8#

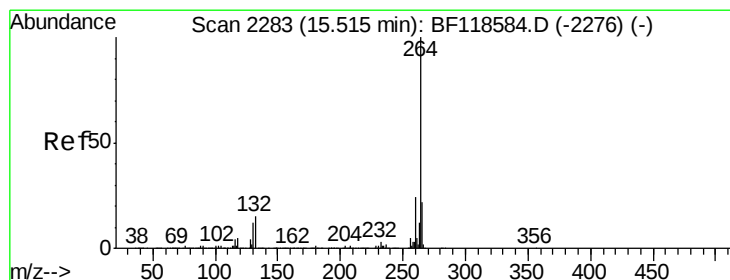
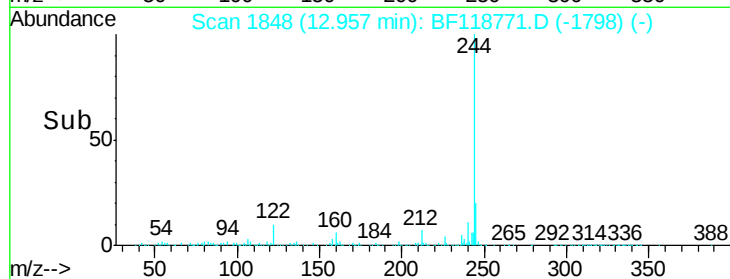
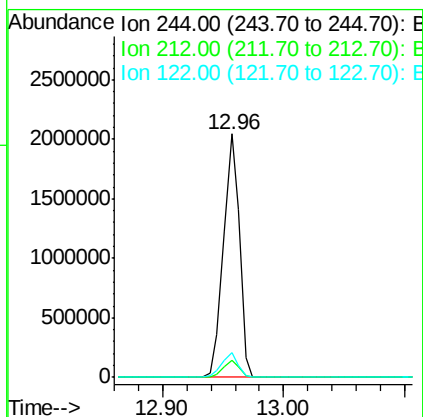
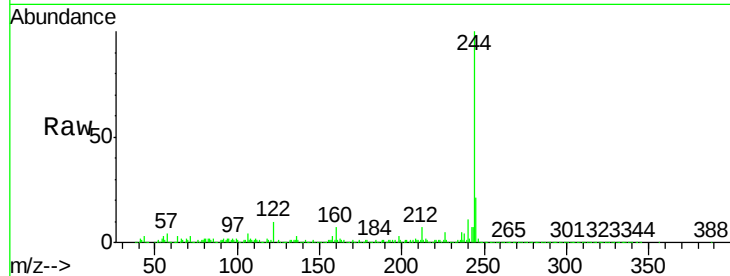




#79
 Terphenyl-d14
 Concen: 70.674 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF118771.D
 Acq: 31 Jan 2020 00:20

Instrument :
 BNA_F
 ClientSampleId :
 RAINEY-PARK-BH-06-C

Tot Ion:244 Resp: 1857144
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.3 9.5
 122 10.4 9.2 13.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.01 min
 Lab File: BF118771.D
 Acq: 31 Jan 2020 00:20

Tgt Ion:264 Resp: 617909
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 21.8 17.0 25.6

