

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042720\
 Data File : BF120218.D
 Acq On : 27 Apr 2020 14:55
 Operator : MA/SJ
 Sample : L2407-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200010

Quant Time: Apr 27 15:28:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 27 12:17:15 2020
 Response via : Initial Calibration

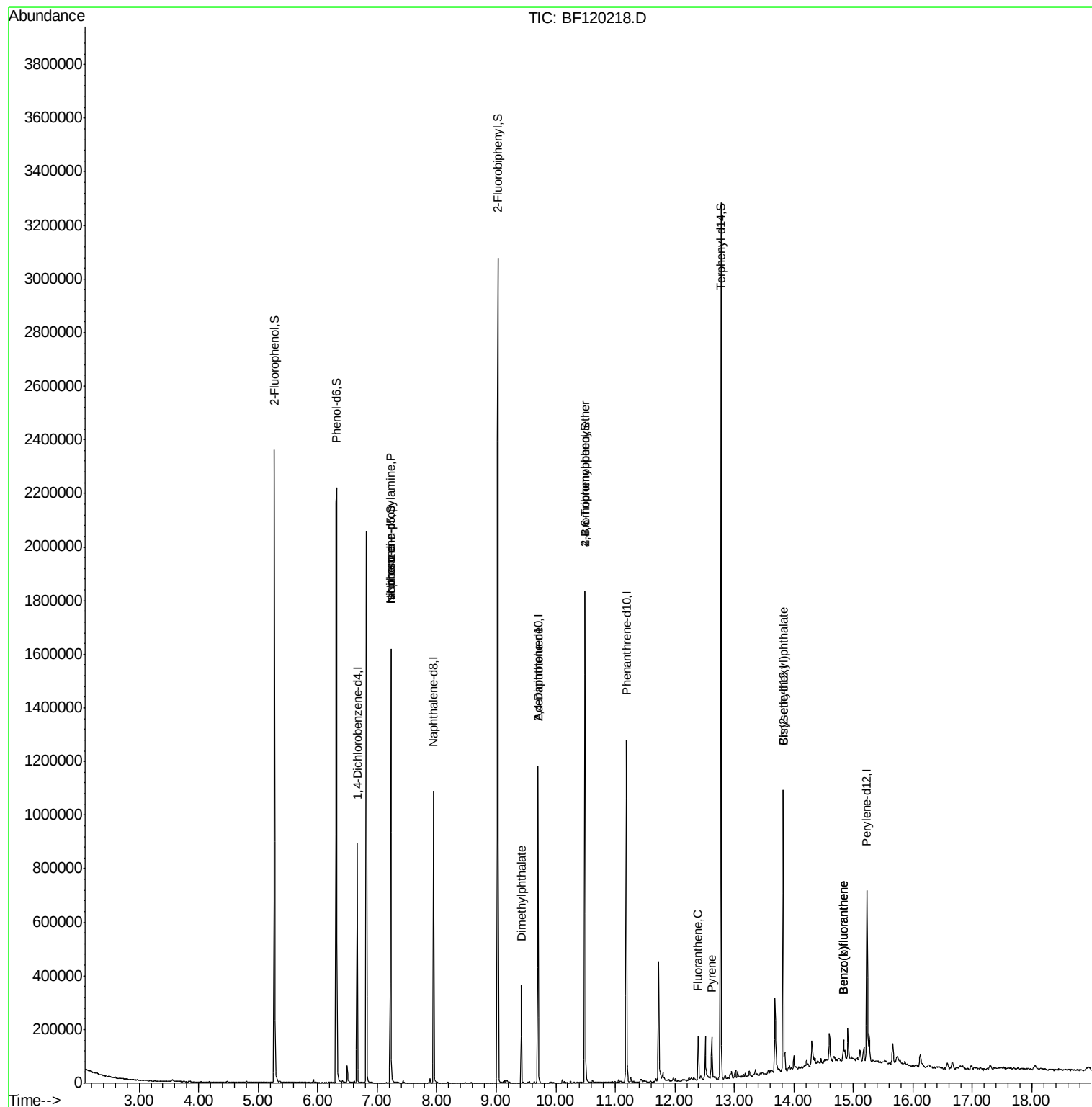
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	122628	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	471855	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	243984	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	472965	20.00	ng	0.00
76) Chrysene-d12	13.82	240	334918	20.00	ng	-0.02
87) Perylene-d12	15.23	264	284945	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	612834	86.37	ng	0.00
7) Phenol-d6	6.32	99	774959	84.76	ng	-0.01
23) Nitrobenzene-d5	7.23	82	472986	51.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.49	330	204628	68.50	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	930686	54.16	ng	0.00
79) Terphenyl-d14	12.77	244	1068408	53.68	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.31	77	1071	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.23	70	60050	10.213	ng	# 78
25) Isophorone	7.23	82	472983	26.901	ng	# 65
50) Dimethylphthalate	9.42	163	123996	6.570	ng	100
57) 2,4-Dinitrotoluene	9.70	165	30991	5.692	ng	# 19
67) 4-Bromophenyl-phenylether	10.49	248	13682	2.326	ng	# 1
75) Fluoranthene	12.39	202	69088	2.544	ng	99
78) Pyrene	12.62	202	62769	2.223	ng	95
84) Bis(2-ethylhexyl)phthalate	13.82	149	41172	2.219	ng	98
88) Benzo(b)fluoranthene	14.83	252	49978	2.438	ng	# 95
89) Benzo(k)fluoranthene	14.83	252	49978	2.826	ng	# 95

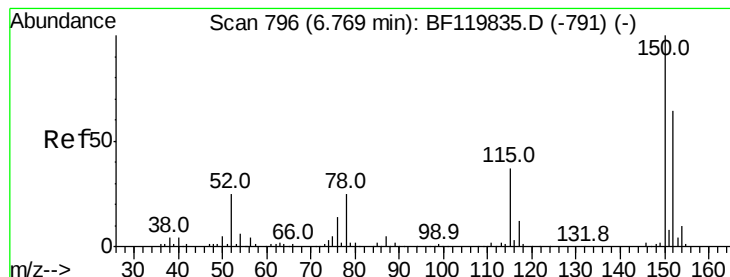
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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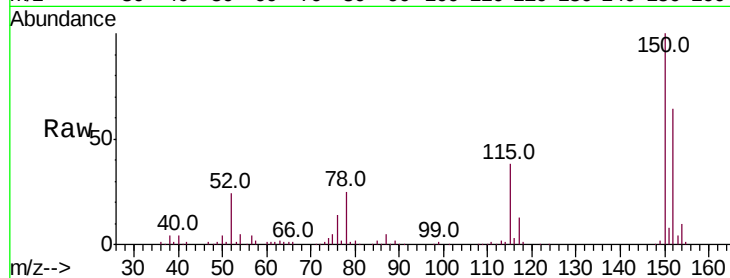


#1

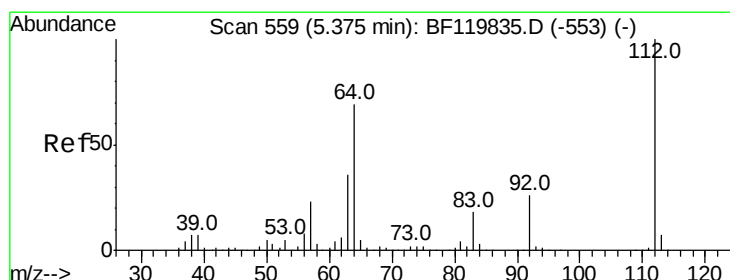
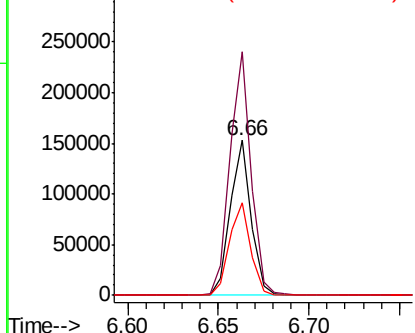
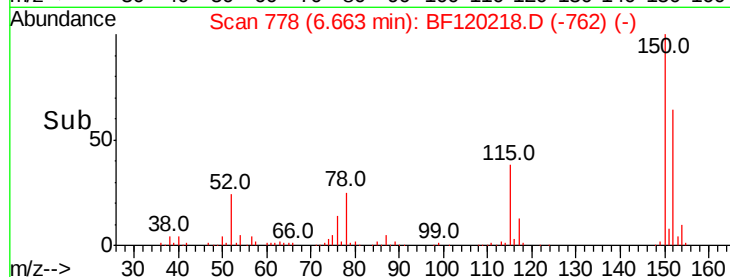
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF120218.D
 Acq: 27 Apr 2020 14:55

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200010

Tot Ion:152 Resp: 122628
 Ion Ratio Lower Upper
 152 100
 150 157.2 124.5 186.7
 115 59.4 49.6 74.4



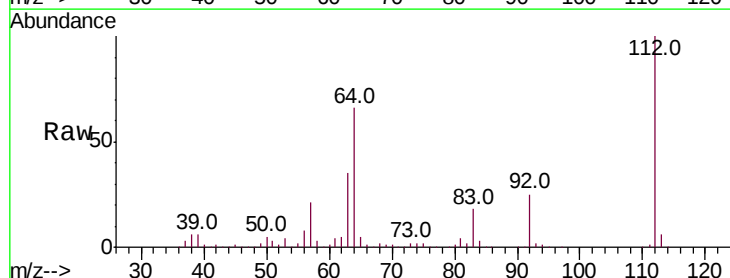
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



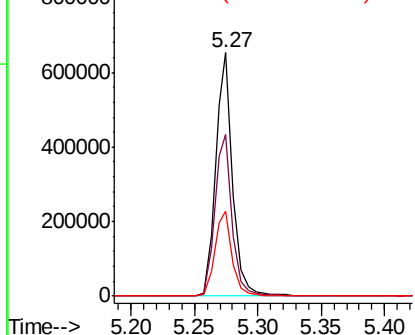
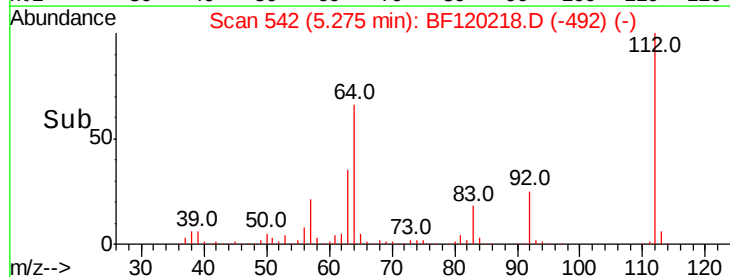
#5

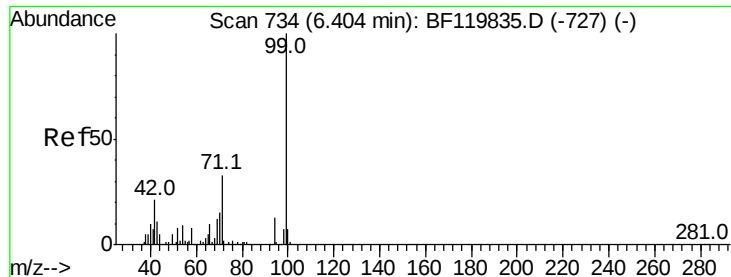
2-Fluorophenol
 Concen: 86.366 ng
 RT: 5.27 min Scan# 542
 Delta R.T. -0.01 min
 Lab File: BF120218.D
 Acq: 27 Apr 2020 14:55

Tgt Ion:112 Resp: 612834
 Ion Ratio Lower Upper
 112 100
 64 66.4 56.7 85.1
 63 34.9 29.5 44.3



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: 84.757 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

Instrument :

BNA_F

ClientSampleId :

RBR-200010

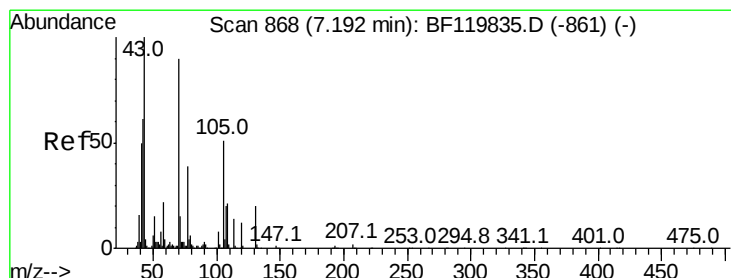
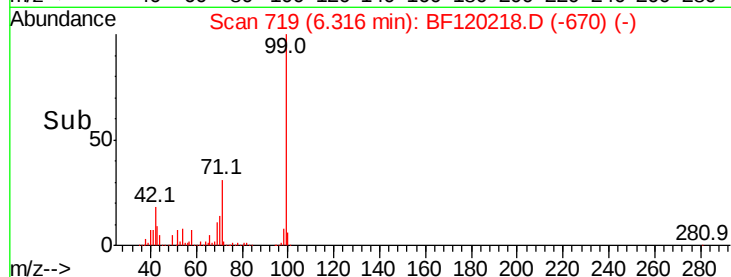
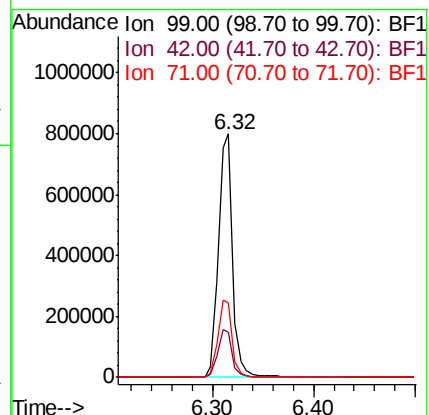
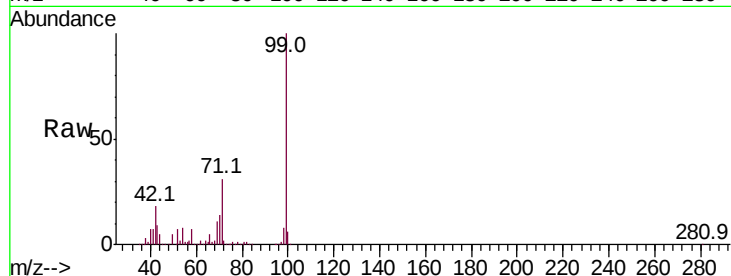
Tot Ion: 99 Resp: 774959

Ion Ratio Lower Upper

99 100

42 18.3 16.6 24.8

71 30.8 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.213 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

Tgt Ion: 70 Resp: 60050

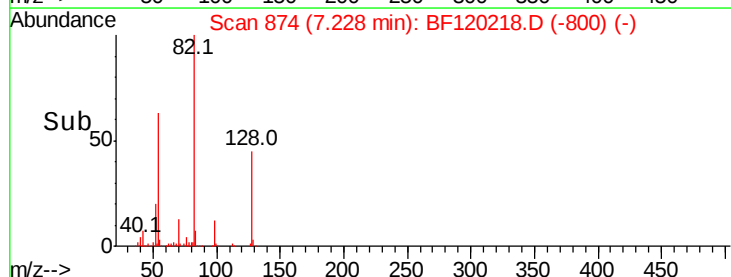
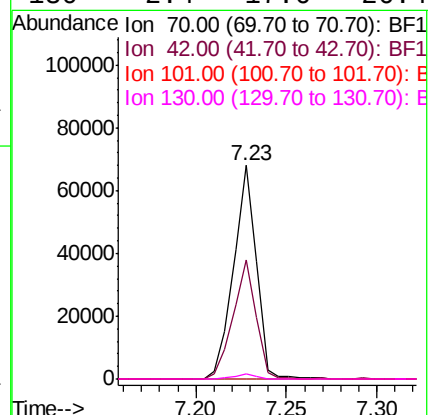
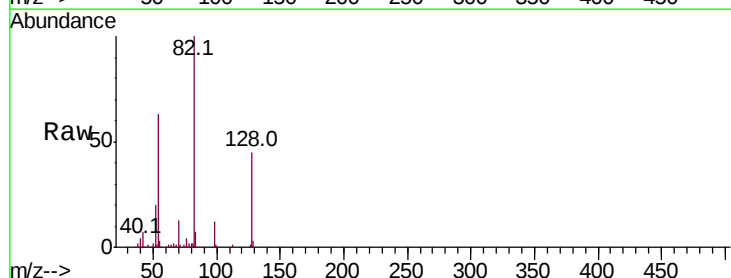
Ion Ratio Lower Upper

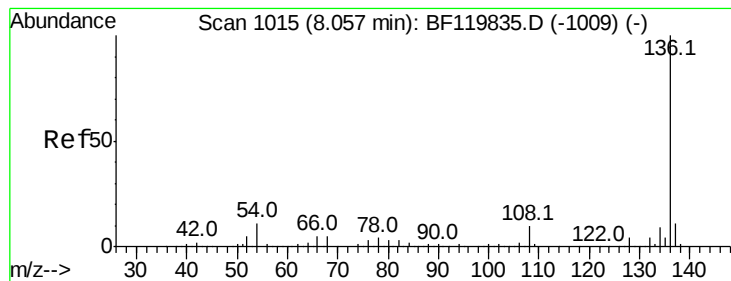
70 100

42 55.4 54.5 81.7

101 0.0 7.6 11.4#

130 2.4 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

Instrument :

BNA_F

ClientSampleId :

RBR-200010

Tot Ion:136 Resp: 471855

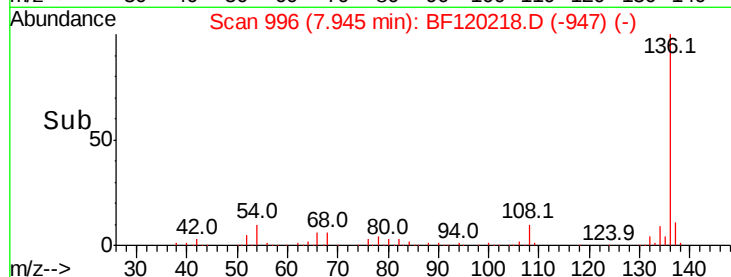
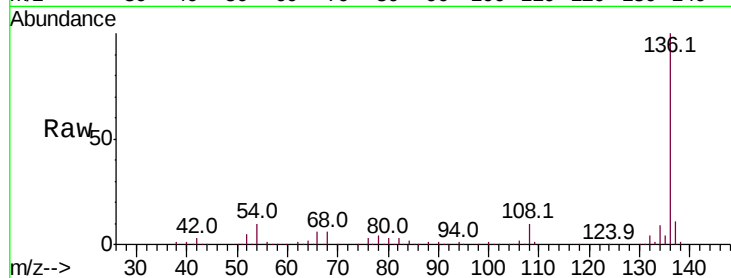
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 10.5 9.1 13.7

68 5.6 4.6 6.8

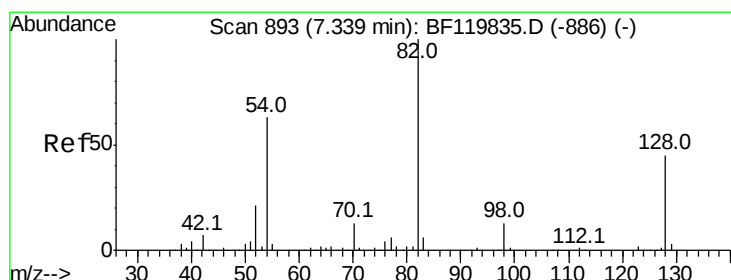
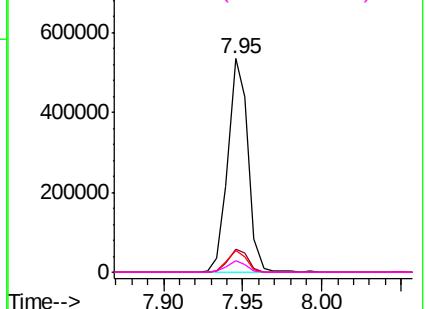


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 51.858 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

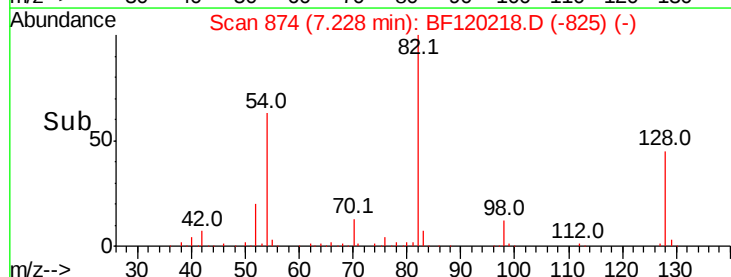
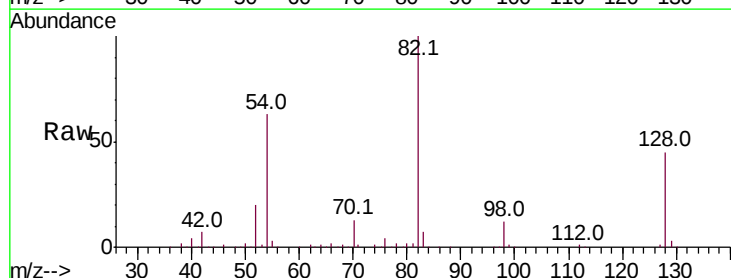
Tgt Ion: 82 Resp: 472986

Ion Ratio Lower Upper

82 100

128 45.5 36.3 54.5

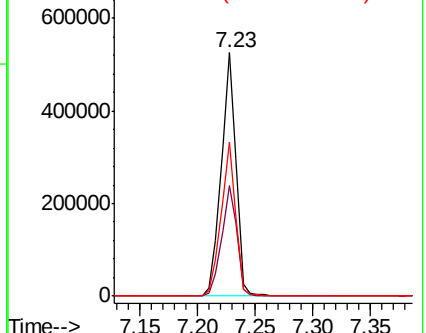
54 63.0 50.6 75.8

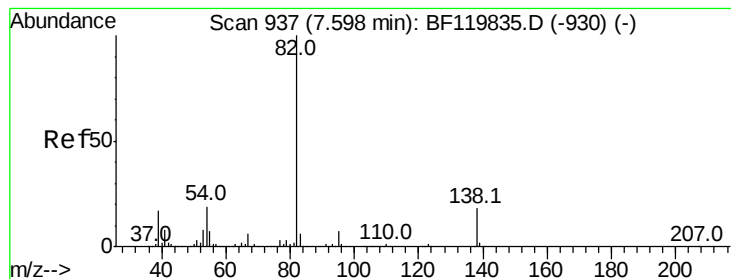


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.901 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

Instrument :

BNA_F

ClientSampleId :

RBR-200010

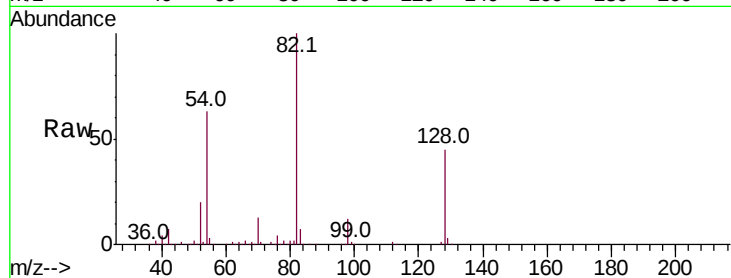
Tot Ion: 82 Resp: 472983

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

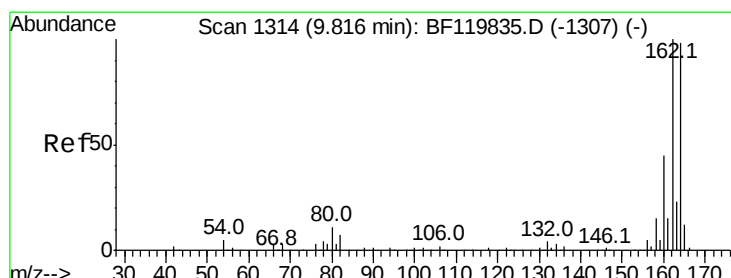
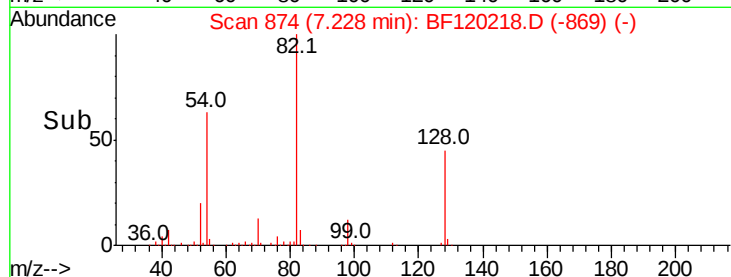
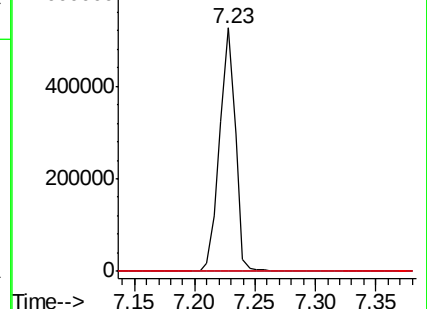
138 0.0 14.6 21.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

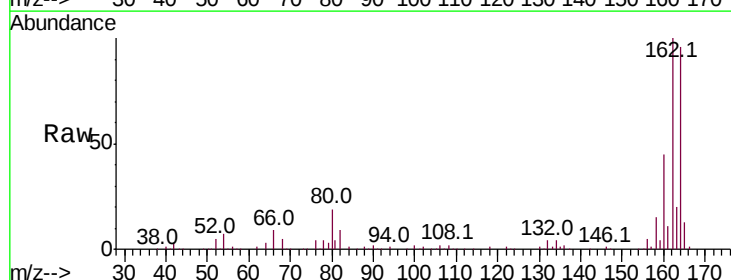
Tgt Ion:164 Resp: 243984

Ion Ratio Lower Upper

164 100

162 104.2 80.6 121.0

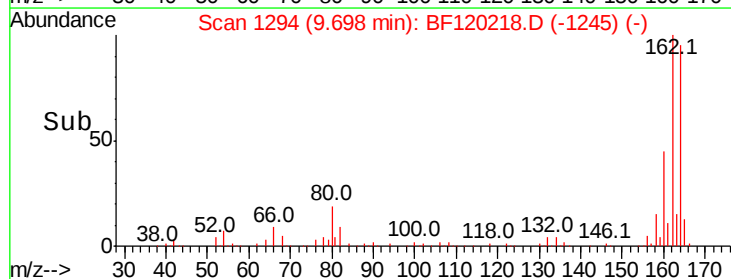
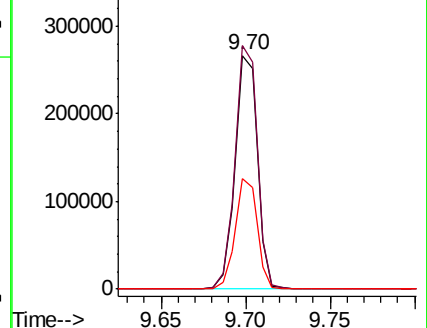
160 47.0 35.7 53.5

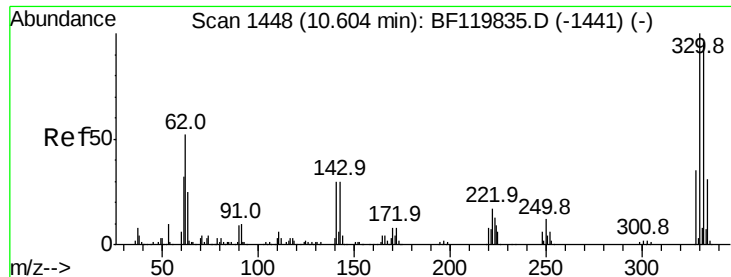


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

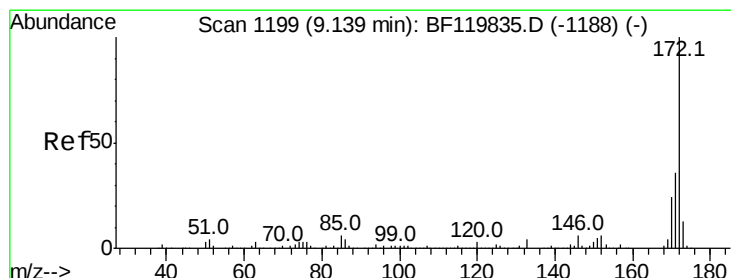
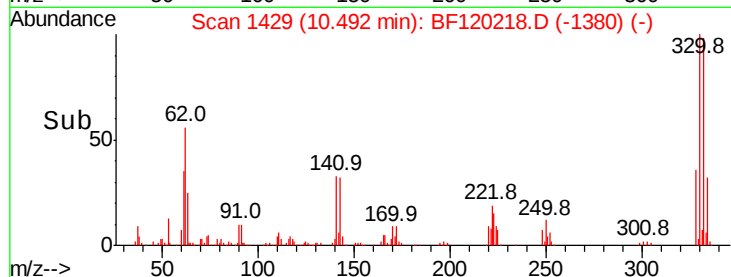
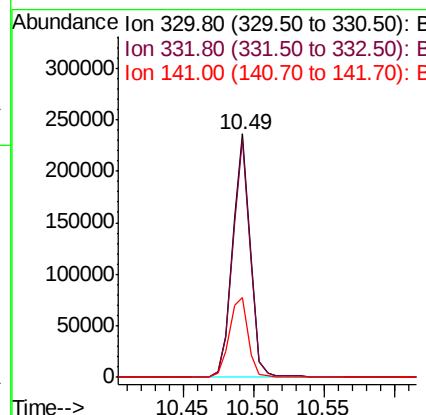
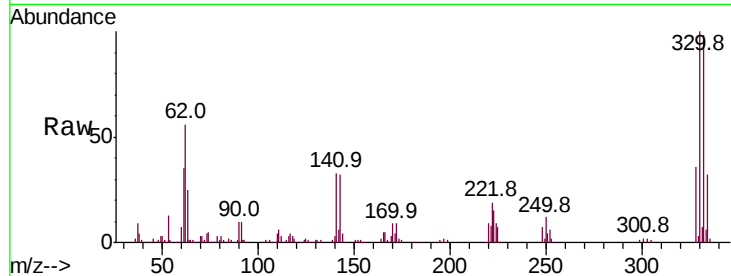




#42
 2,4,6-Tribromophenol
 Concen: 68.502 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120218.D
 Acq: 27 Apr 2020 14:55

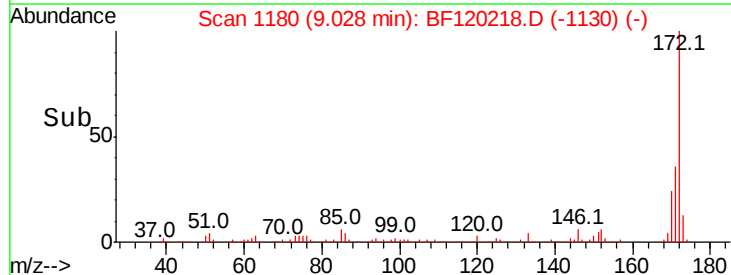
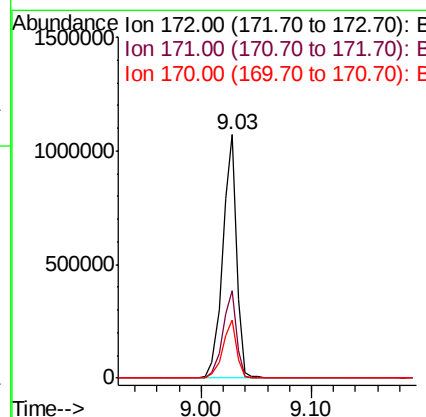
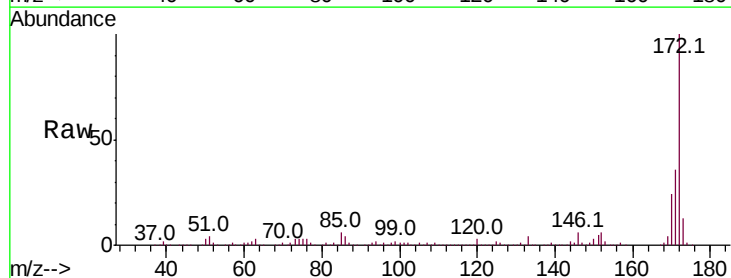
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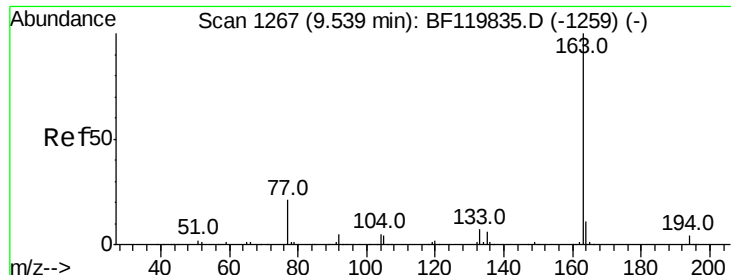
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	75.7	113.5
141	35.5	25.4	38.0



#45
 2-Fluorobiphenyl
 Concen: 54.158 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120218.D
 Acq: 27 Apr 2020 14:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.9	20.2	30.2





#50

Dimethylphthalate

Concen: 6.570 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

Instrument :

BNA_F

ClientSampleId :

RBR-200010

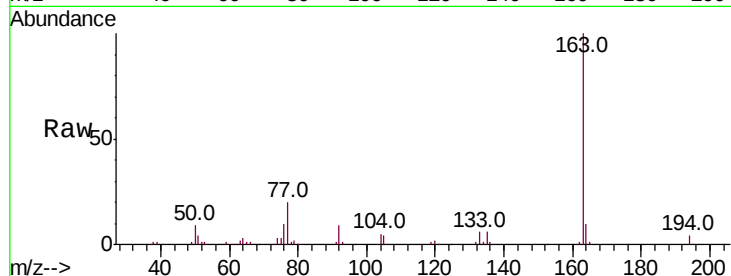
Tot Ion:163 Resp: 123996

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

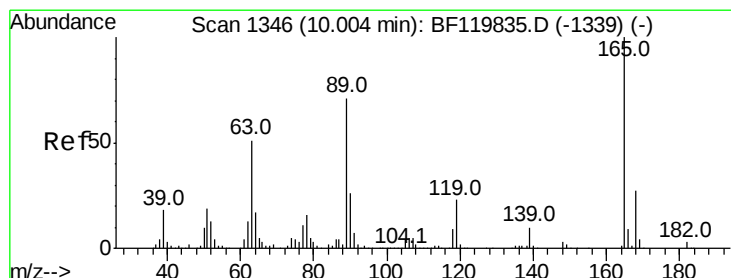
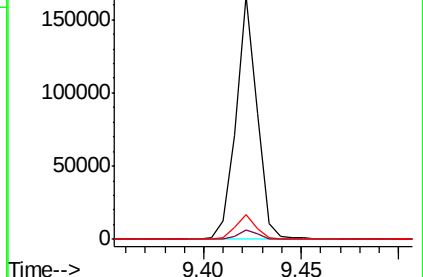
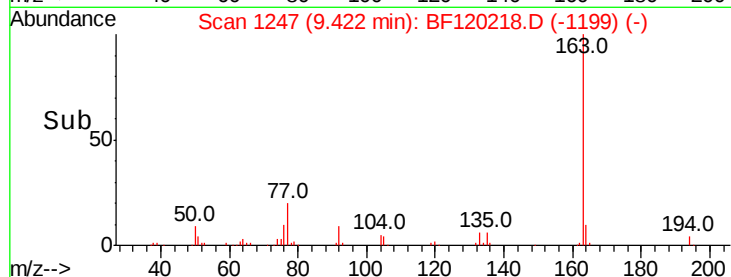
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.692 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.21 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

Tgt Ion:165 Resp: 30991

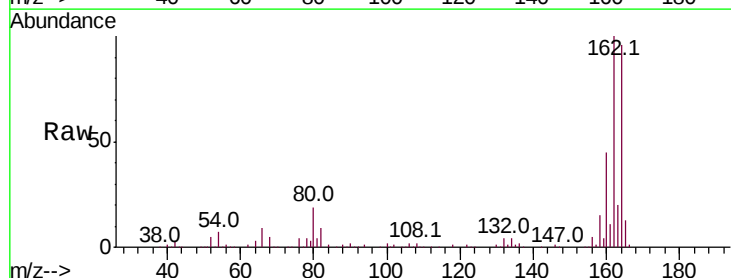
Ion Ratio Lower Upper

165 100

63 0.0 42.6 64.0#

89 1.2 61.0 91.4#

182 0.0 2.2 3.2#

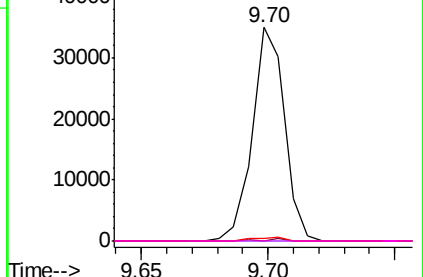
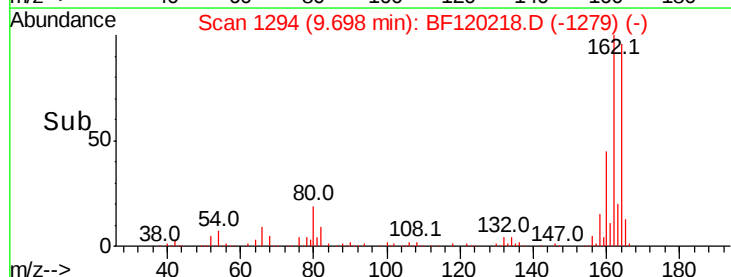


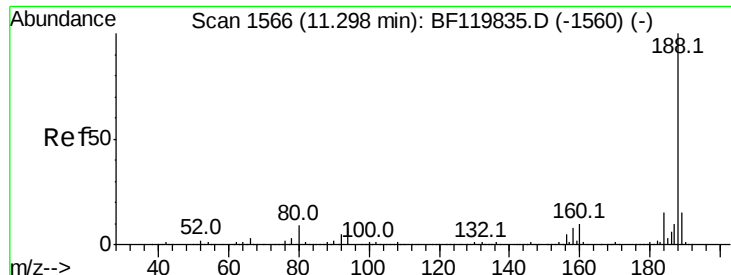
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

Instrument :

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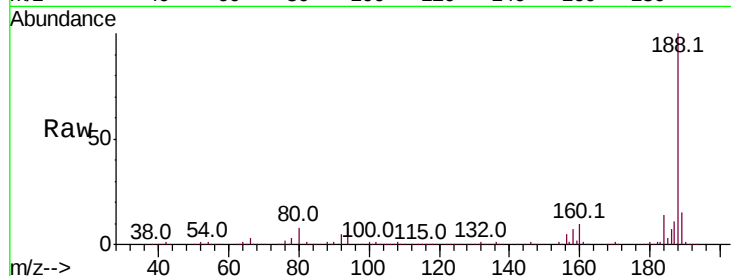
Tot Ion:188 Resp: 472965

Ion Ratio Lower Upper

188 100

94 8.2 7.5 11.3

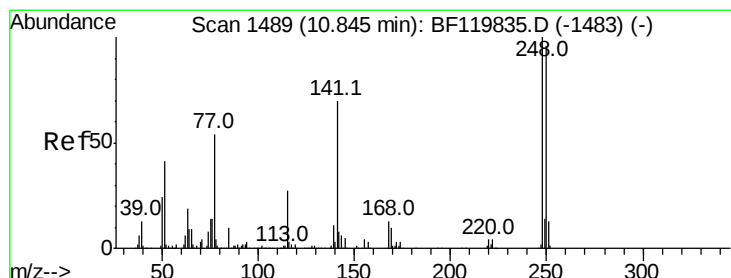
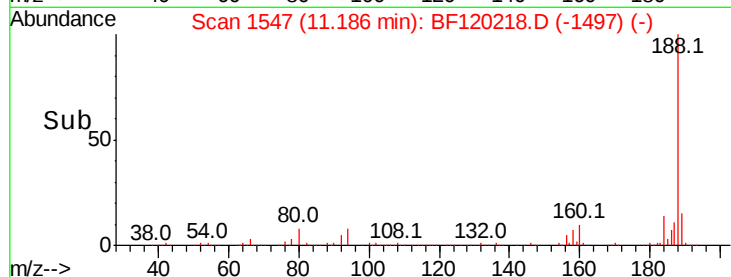
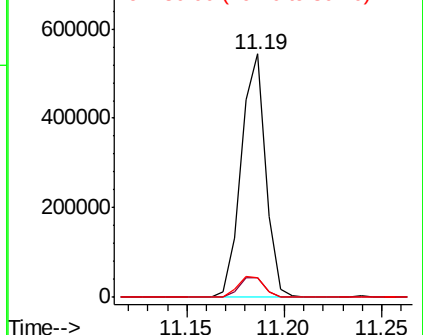
80 8.3 9.0 13.4#



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



#67

4-Bromophenyl-phenylether

Concen: 2.326 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.25 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

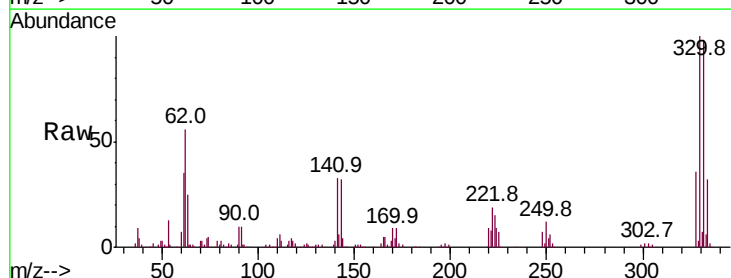
Tgt Ion:248 Resp: 13682

Ion Ratio Lower Upper

248 100

250 179.8 77.3 115.9#

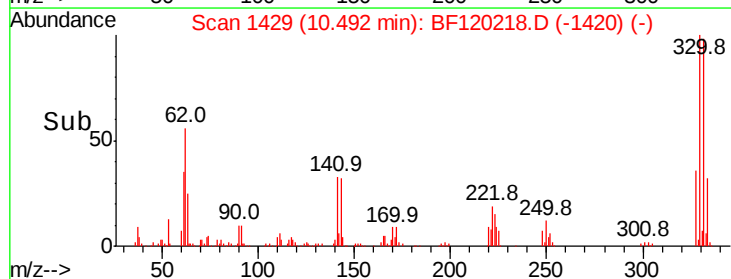
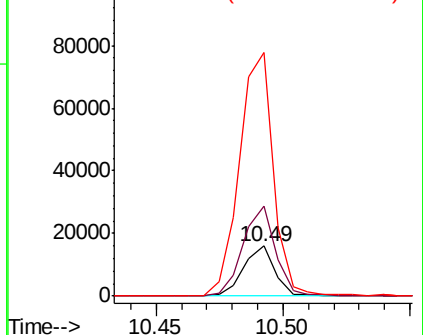
141 485.6 58.6 87.8#

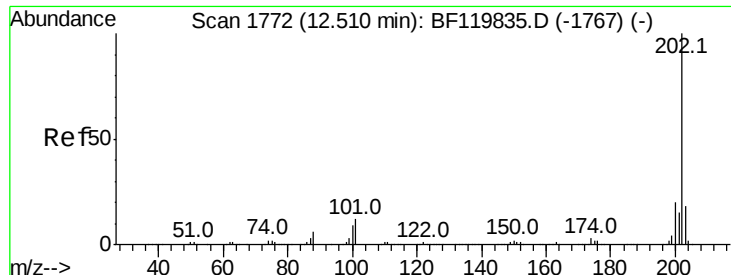


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.544 ng

RT: 12.39 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

Instrument :

BNA_F

ClientSampleId :

RBR-200010

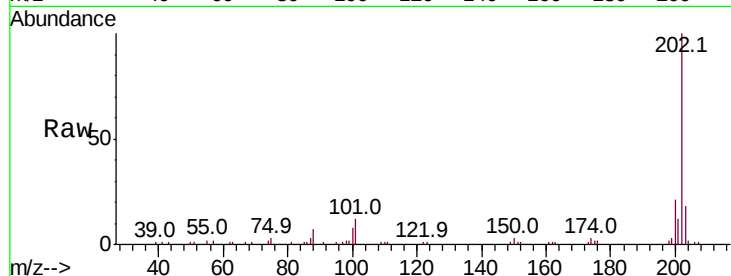
Tot Ion:202 Resp: 69088

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.2

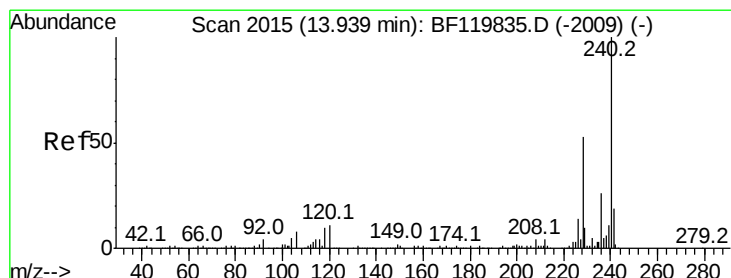
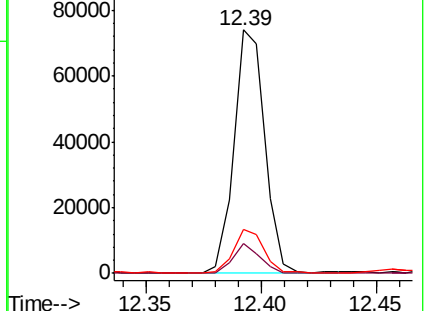
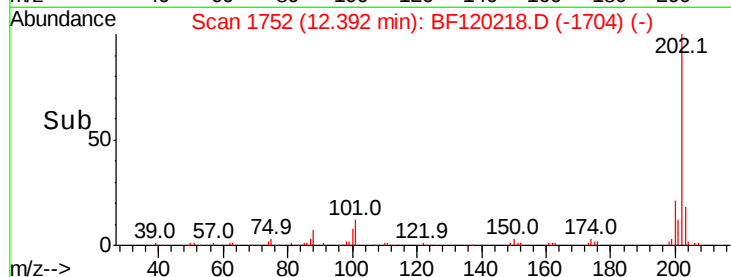
203 18.1 0.0 38.8



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: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

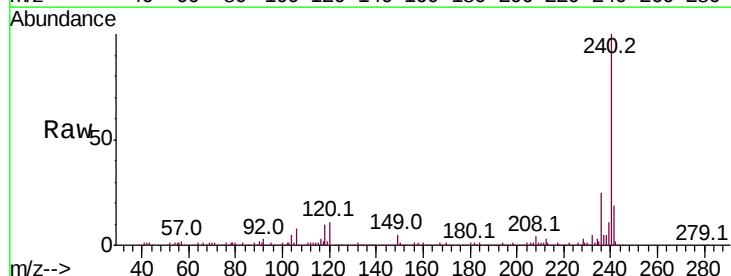
Tgt Ion:240 Resp: 334918

Ion Ratio Lower Upper

240 100

120 11.0 10.6 15.8

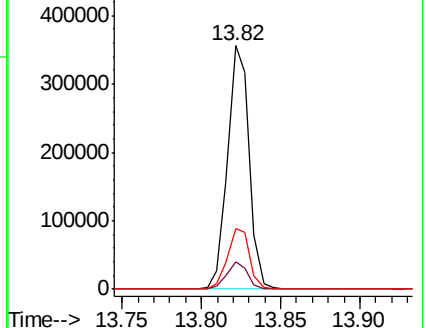
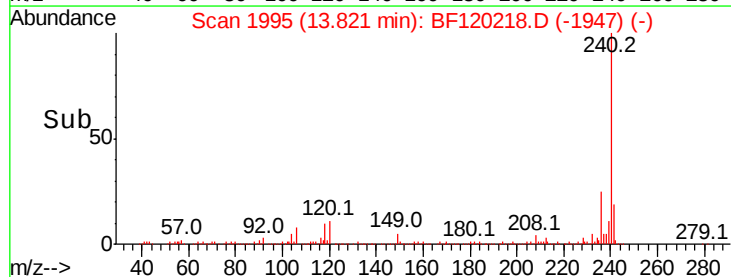
236 24.9 20.2 30.2

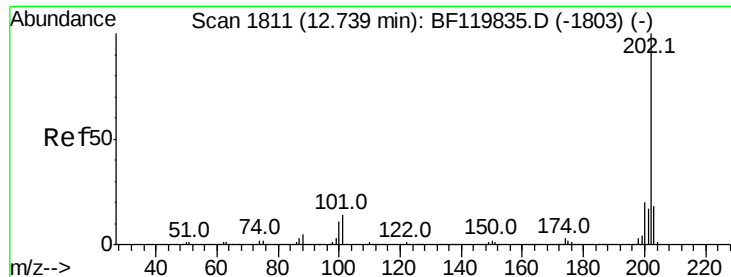


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

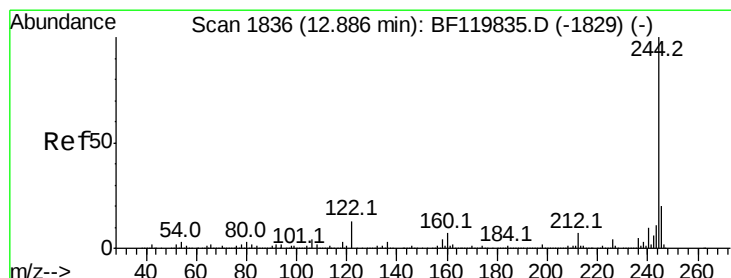
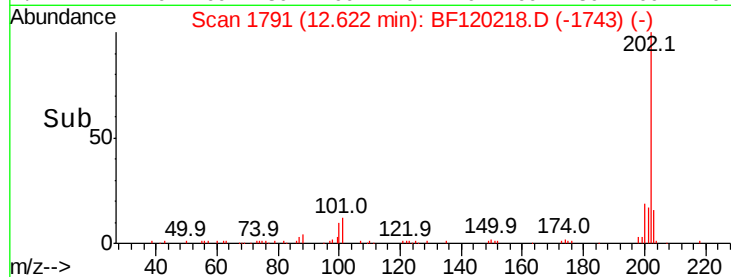
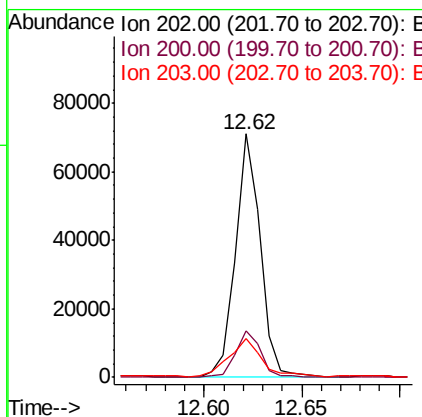
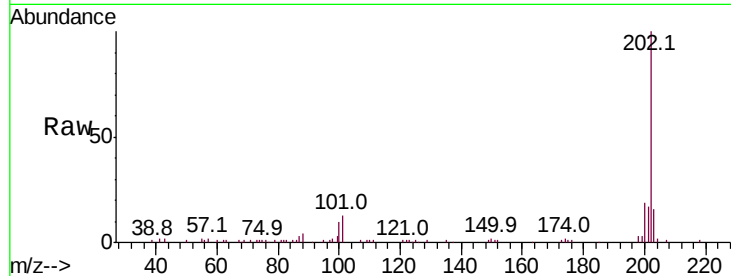




#78
Pvrene
Concen: 2.223 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.02 min
Lab File: BF120218.D
Acq: 27 Apr 2020 14:55

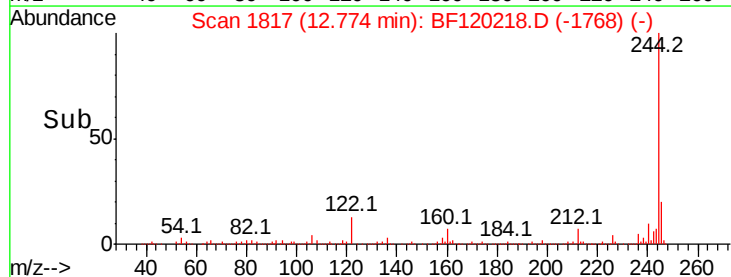
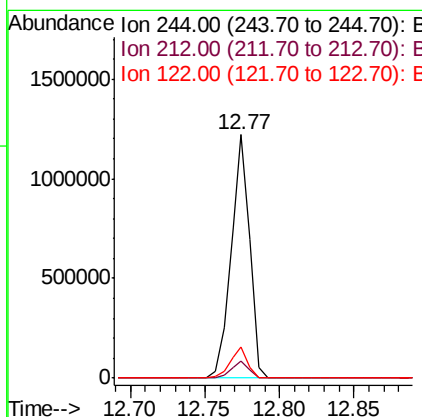
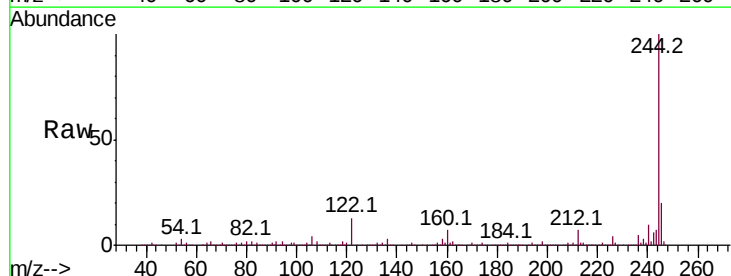
Instrument :
BNA_F
ClientSampleId :
RBR-200010

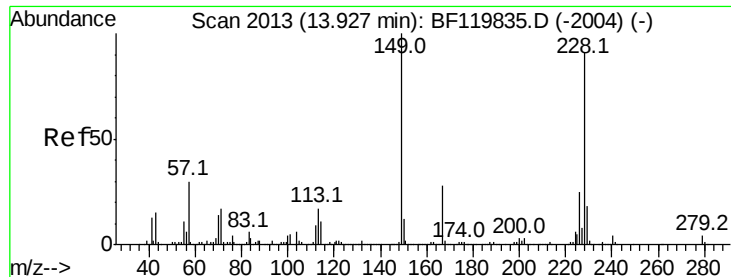
Tot Ion:202 Resp: 62769
Ion Ratio Lower Upper
202 100
200 18.9 16.8 25.2
203 16.2 15.1 22.7



#79
Terphenyl-d14
Concen: 53.678 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF120218.D
Acq: 27 Apr 2020 14:55

Tgt Ion:244 Resp: 1068408
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 12.7 10.3 15.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.219 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

Instrument :

BNA_F

ClientSampleId :

RBR-200010

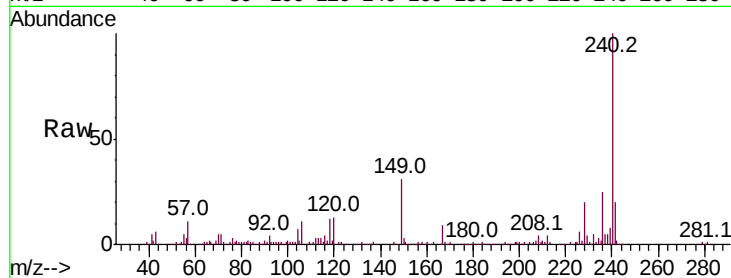
Tot Ion:149 Resp: 41172

Ion Ratio Lower Upper

149 100

167 27.9 21.3 31.9

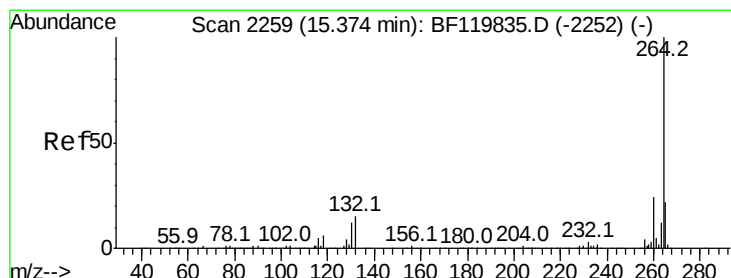
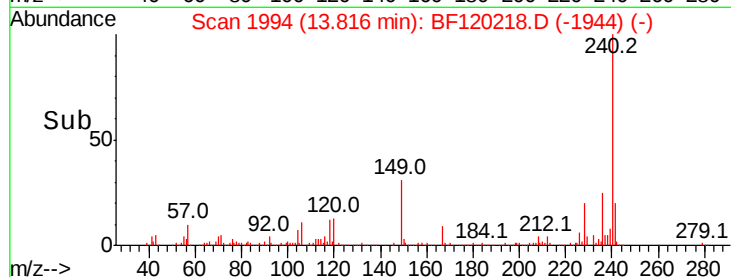
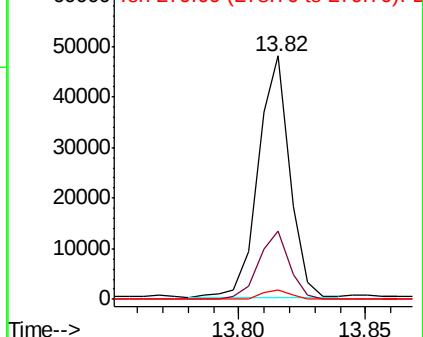
279 3.7 2.7 4.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

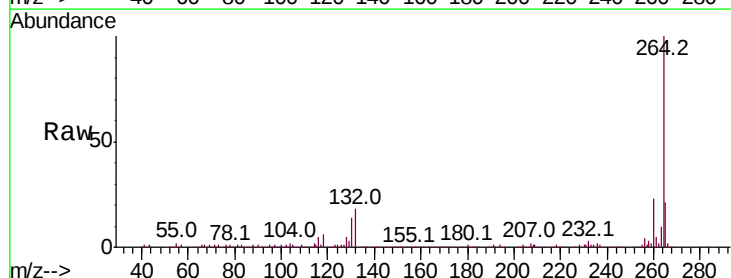
Tgt Ion:264 Resp: 284945

Ion Ratio Lower Upper

264 100

260 22.6 18.7 28.1

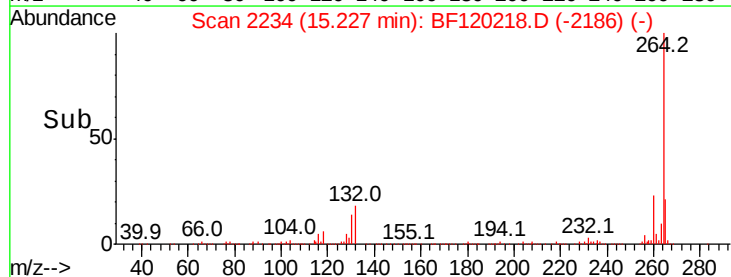
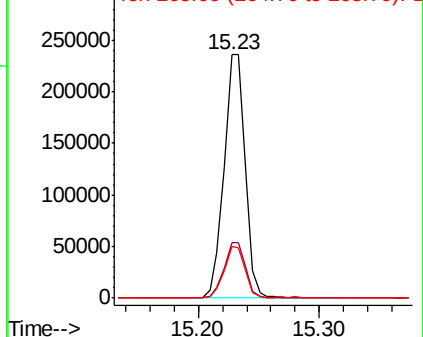
265 21.5 17.7 26.5

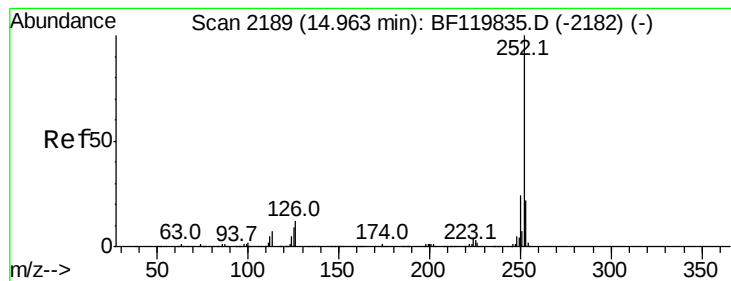


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.438 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

Instrument :

BNA_F

ClientSampleId :

RBR-200010

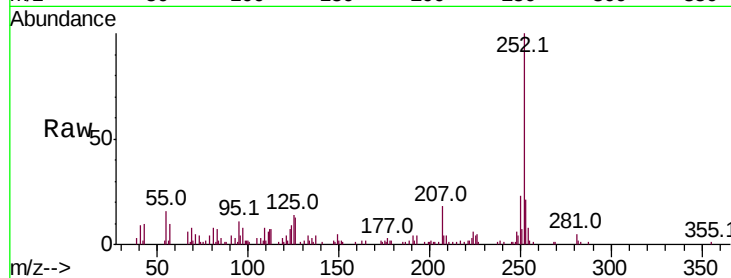
Tot Ion:252 Resp: 49978

Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.0

125 14.3 7.9 11.9#

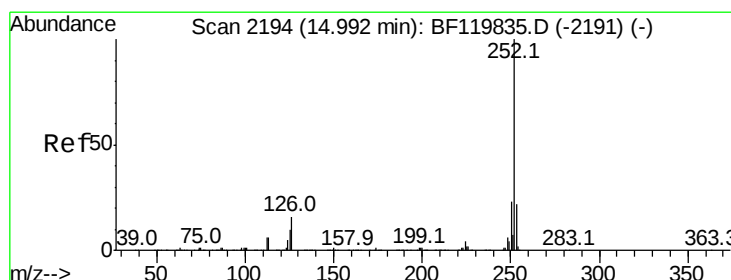
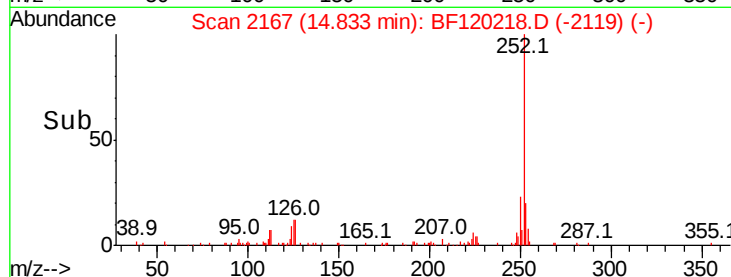
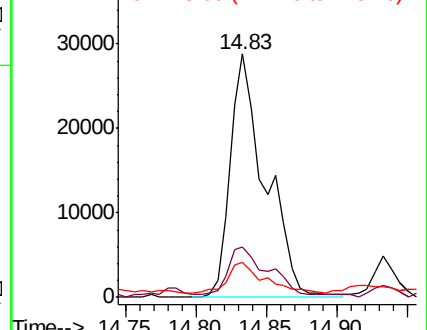


Abundance

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: 2.826 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.04 min

Lab File: BF120218.D

Acq: 27 Apr 2020 14:55

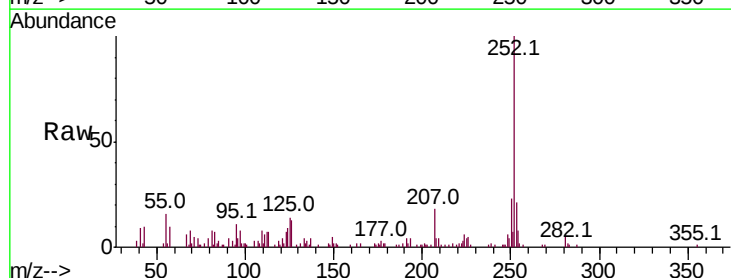
Tgt Ion:252 Resp: 49978

Ion Ratio Lower Upper

252 100

253 20.7 17.8 26.6

125 14.3 8.4 12.6#



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

