

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
 Data File : BF118168.D
 Acq On : 10 Dec 2019 17:37
 Operator : JU
 Sample : K6176-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 42-SPRUCE

Quant Time: Dec 11 02:50:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

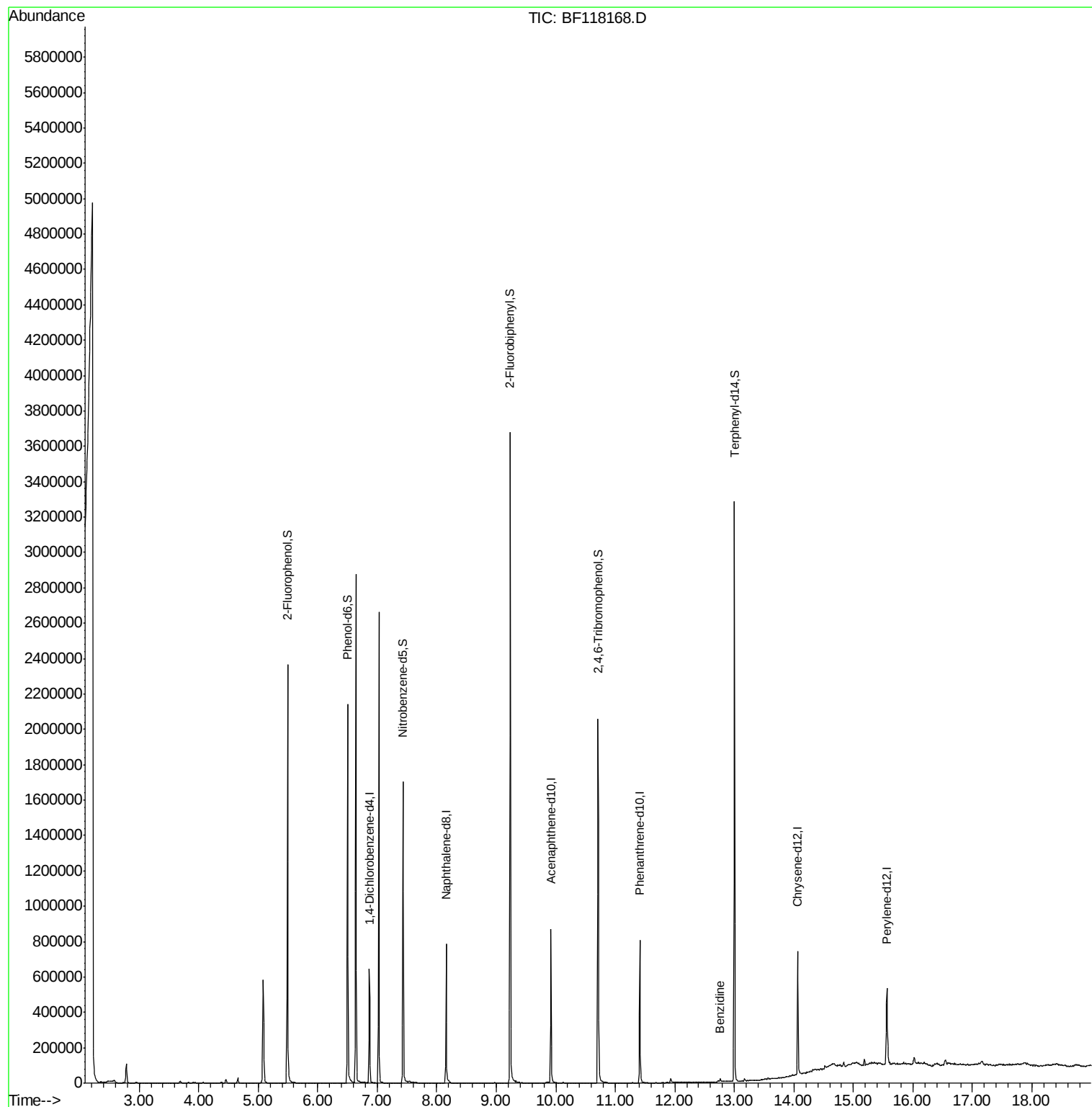
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	91663	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	366067	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	186034	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	317322	20.00	ng	0.00
76) Chrysene-d12	14.06	240	231909	20.00	ng	0.00
87) Perylene-d12	15.56	264	222164	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	650339	124.26	ng	0.01
7) Phenol-d6	6.50	99	711039	112.33	ng	0.00
23) Nitrobenzene-d5	7.43	82	535248	82.26	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	273733	121.12	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1104376	90.33	ng	0.00
79) Terphenyl-d14	13.00	244	1097945	81.41	ng	0.00
Target Compounds						
77) Benzidine	12.76	184	16107	2.638	ng	Qvalue # 93

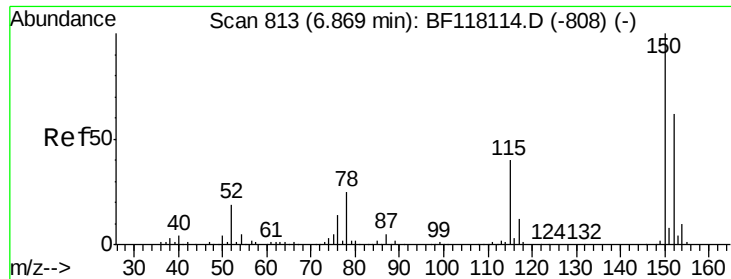
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 06 17:34:43 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

Instrument :

BNA_F

ClientSampleId :

42-SPRUCE

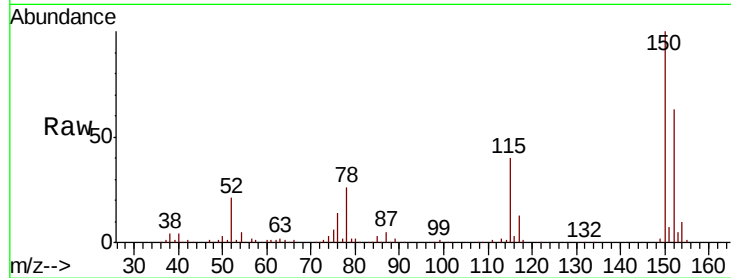
Tot Ion:152 Resp: 91663

Ion Ratio Lower Upper

152 100

150 158.3 128.3 192.5

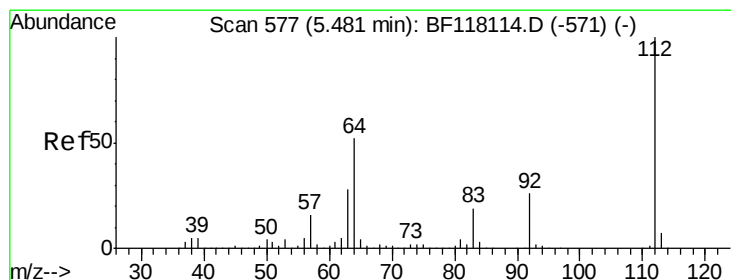
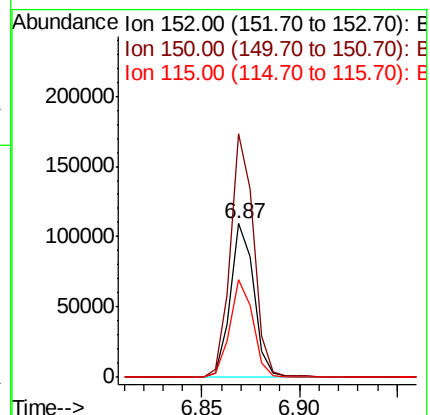
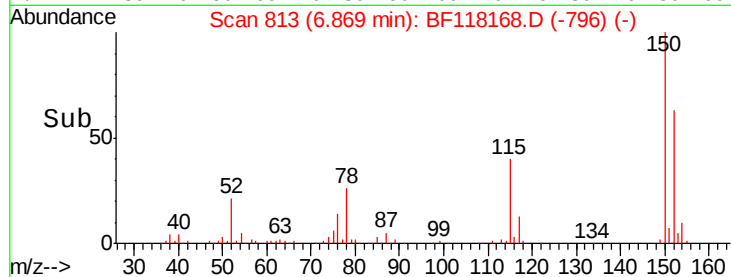
115 63.6 51.1 76.7



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: 124.265 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

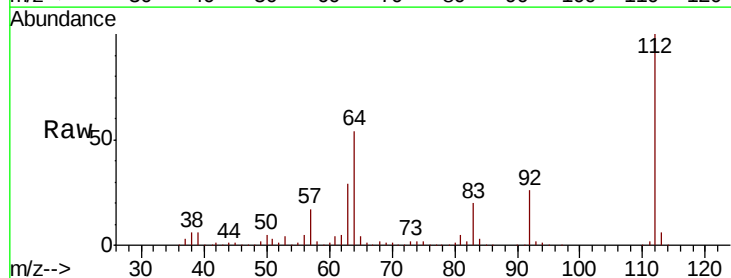
Tgt Ion:112 Resp: 650339

Ion Ratio Lower Upper

112 100

64 54.0 41.3 61.9

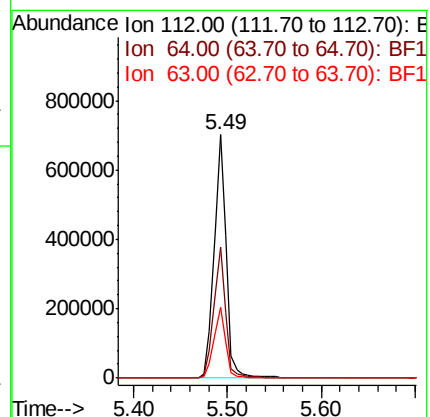
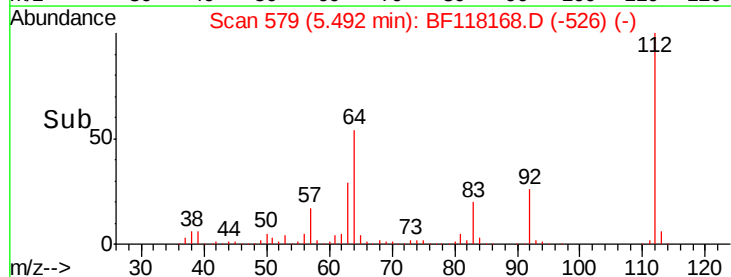
63 29.2 22.4 33.6

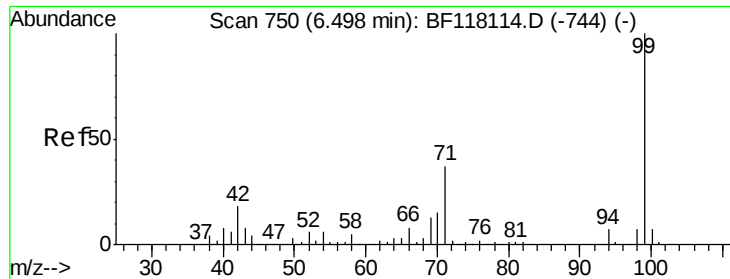


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 112.327 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

Instrument :

BNA_F

ClientSampleId :

42-SPRUCE

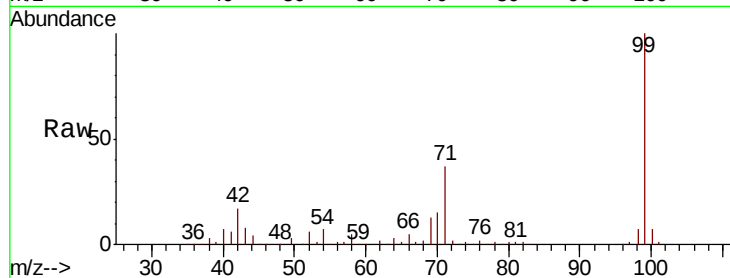
Tot Ion: 99 Resp: 711039

Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.1	21.1
71	36.6	29.7	44.5

99 100

42 17.1 14.1 21.1

71 36.6 29.7 44.5

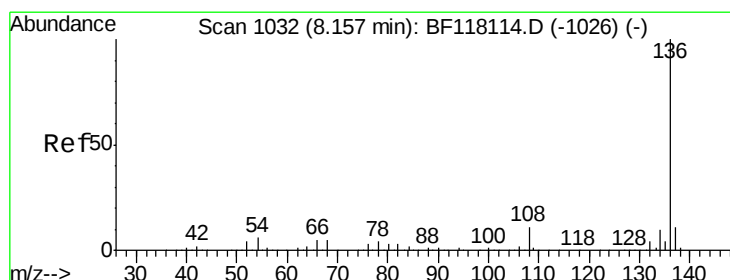
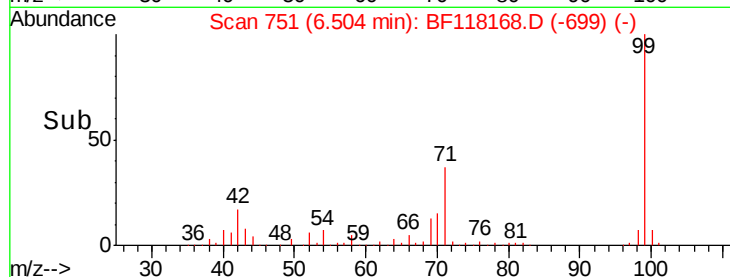
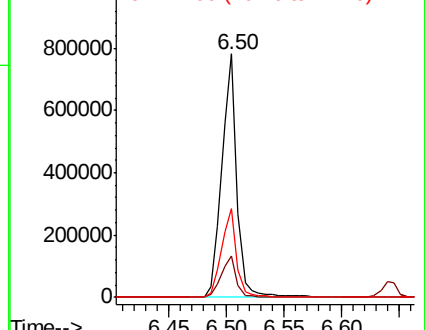


Abundance

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: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

Tgt Ion: 136 Resp: 366067

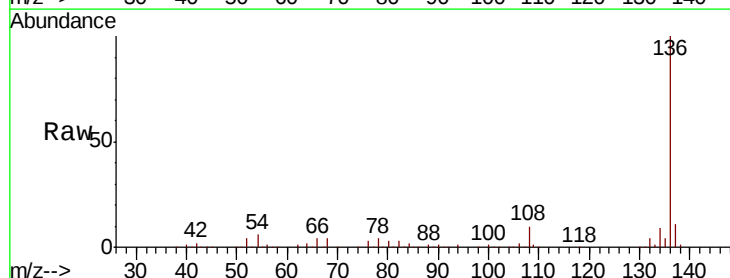
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	6.0	5.0	7.6
68	4.3	3.8	5.8

136 100

137 10.9 9.0 13.6

54 6.0 5.0 7.6

68 4.3 3.8 5.8



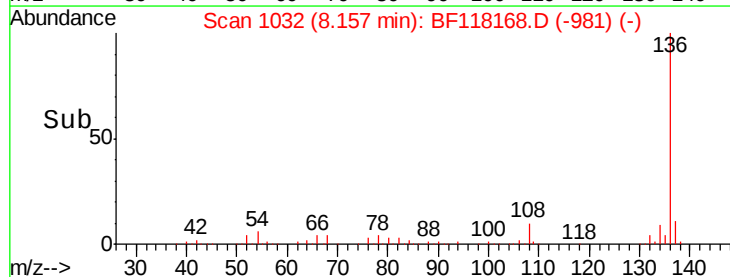
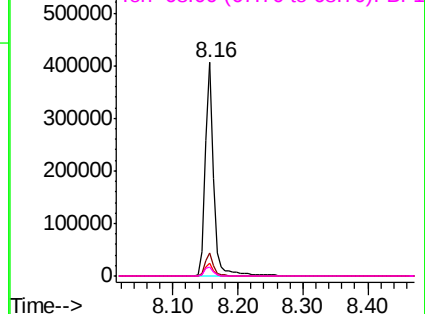
Abundance

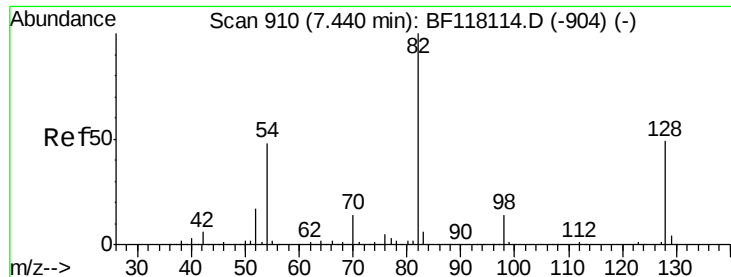
Ion 136.00 (135.70 to 136.70): E

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

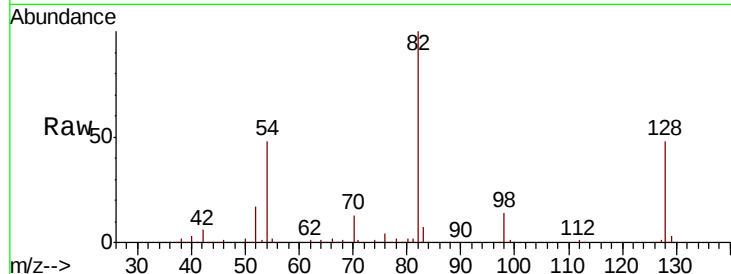




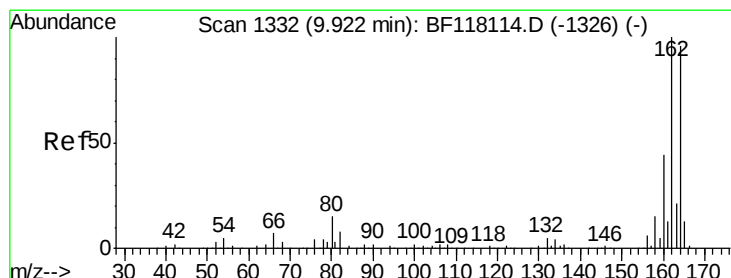
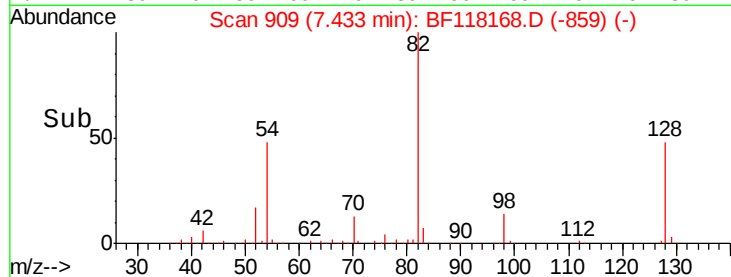
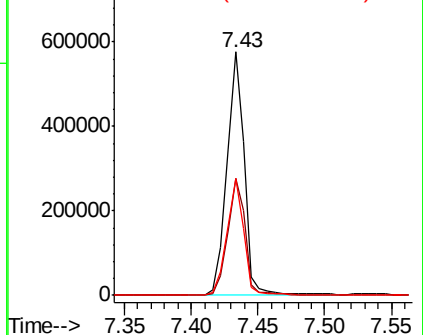
#23
 Nitrobenzene-d5
 Concen: 82.258 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF118168.D
 Acq: 10 Dec 2019 17:37

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	39.1	58.7
54	48.1	38.2	57.2

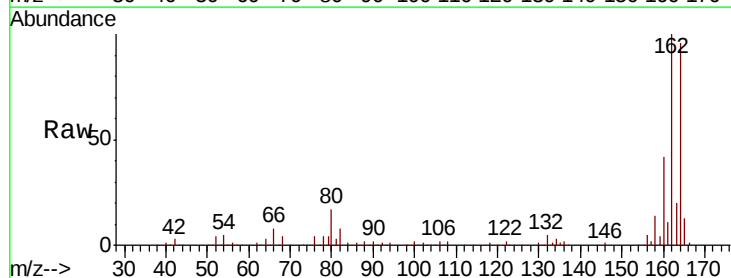


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

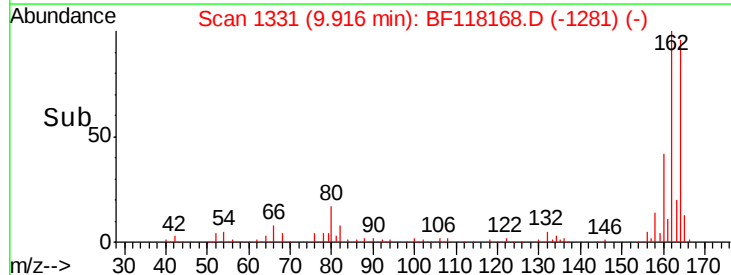
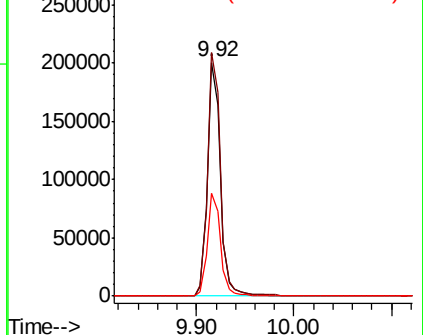


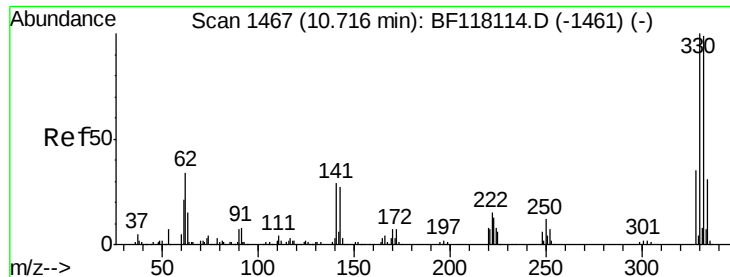
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF118168.D
 Acq: 10 Dec 2019 17:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	83.4	125.0
160	44.0	36.6	54.8



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: 121.122 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

Instrument :

BNA_F

ClientSampleId :

42-SPRUCE

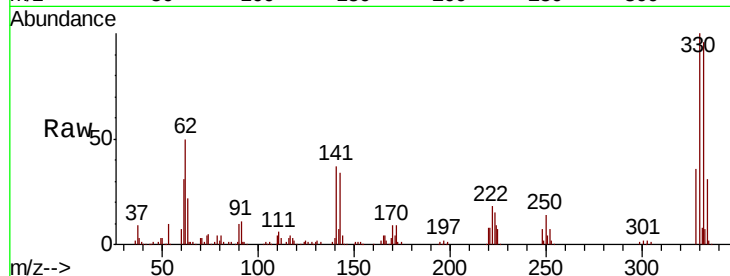
Tot Ion:330 Resp: 273733

Ion Ratio Lower Upper

330 100

332 95.3 78.1 117.1

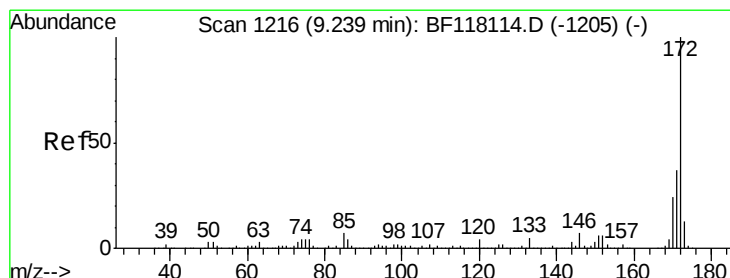
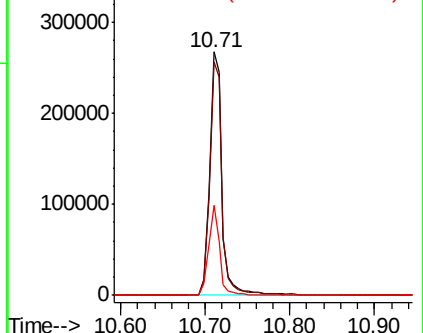
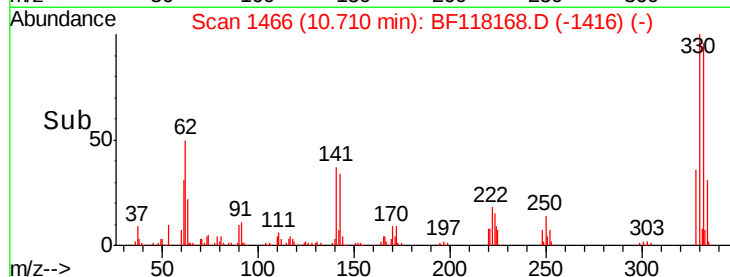
141 33.2 26.9 40.3



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: 90.331 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

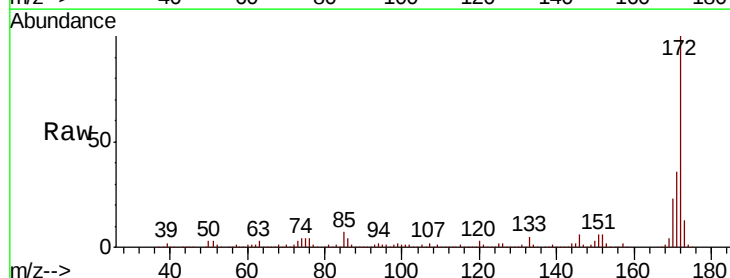
Tgt Ion:172 Resp: 1104376

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

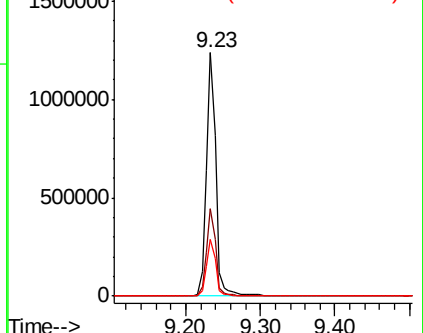
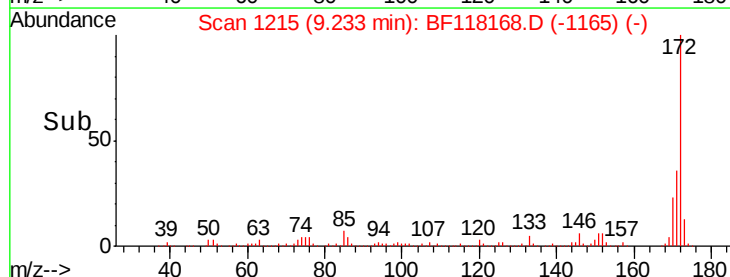
170 23.5 19.4 29.2

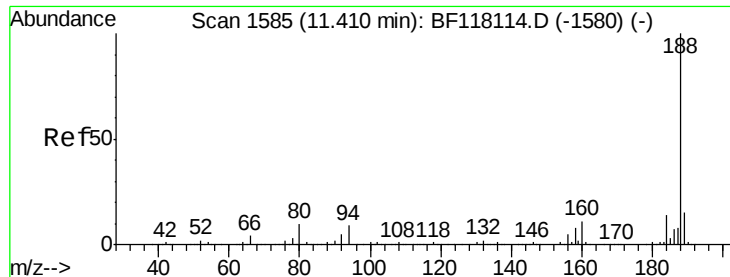


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

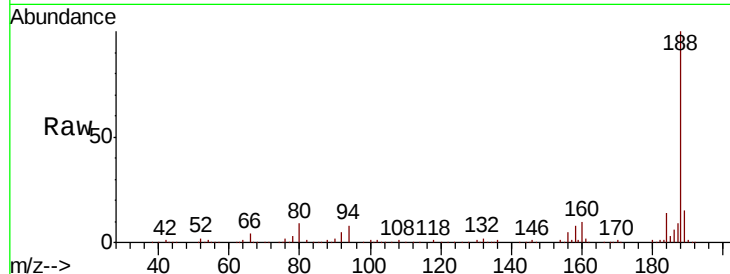




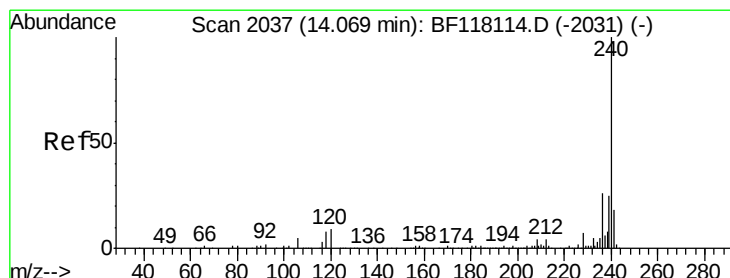
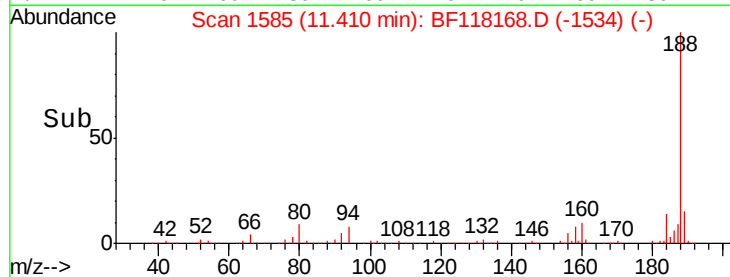
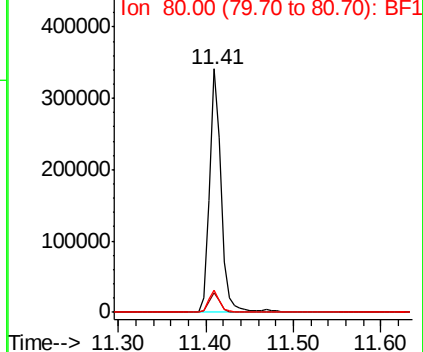
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF118168.D
Acq: 10 Dec 2019 17:37

Instrument :
BNA_F
ClientSampleId :
42-SPRUCE

Tot Ion:188 Resp: 317322
Ion Ratio Lower Upper
188 100
94 8.2 7.1 10.7
80 9.2 7.9 11.9

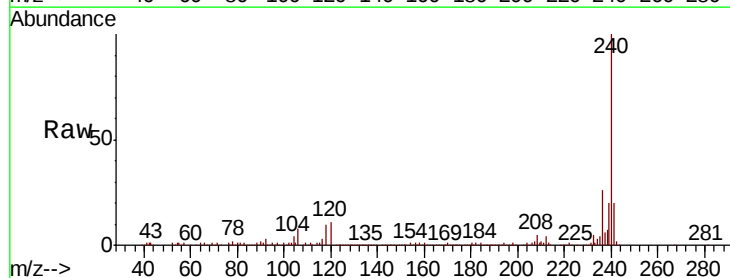


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

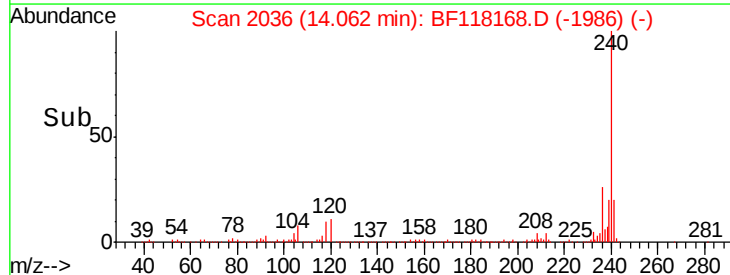
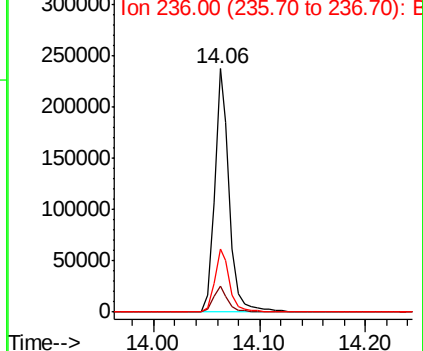


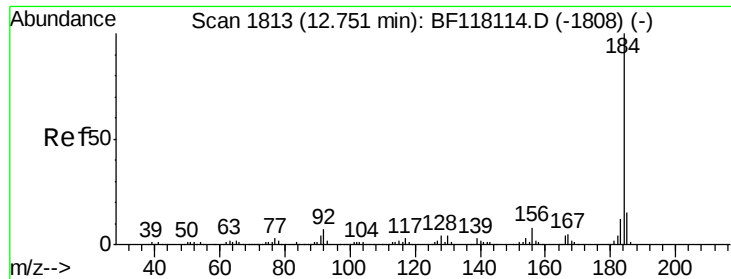
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118168.D
Acq: 10 Dec 2019 17:37

Tgt Ion:240 Resp: 231909
Ion Ratio Lower Upper
240 100
120 10.7 7.1 10.7#
236 25.9 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





#77

Benzidine

Concen: 2.638 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

Instrument :

BNA_F

ClientSampleId :

42-SPRUCE

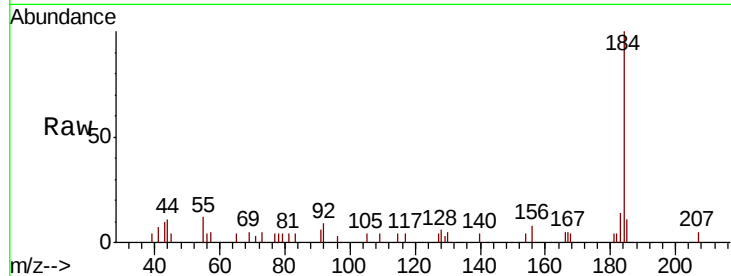
Tot Ion:184 Resp: 16107

Ion Ratio Lower Upper

184 100

185 11.4 12.3 18.5#

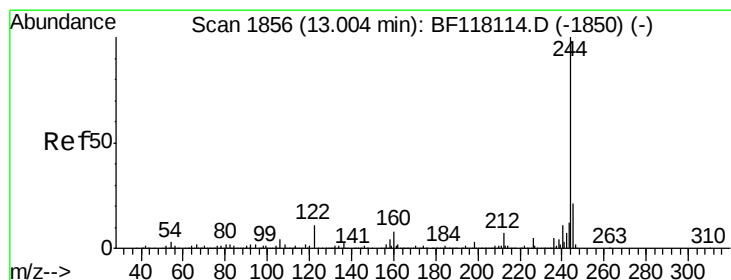
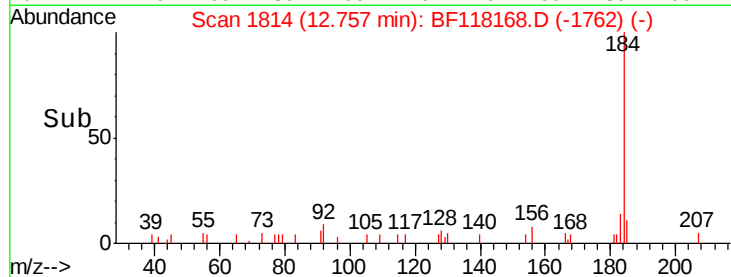
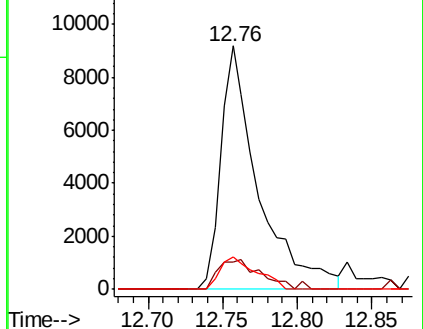
183 13.5 9.9 14.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 81.414 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF118168.D

Acq: 10 Dec 2019 17:37

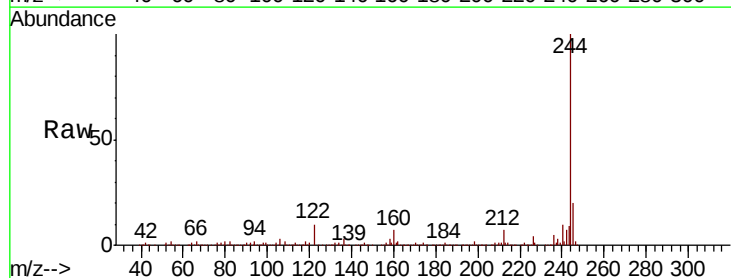
Tgt Ion:244 Resp: 1097945

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

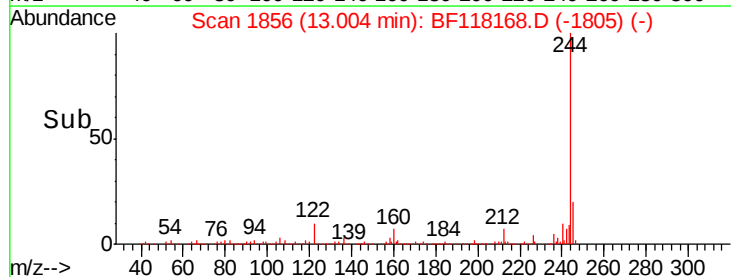
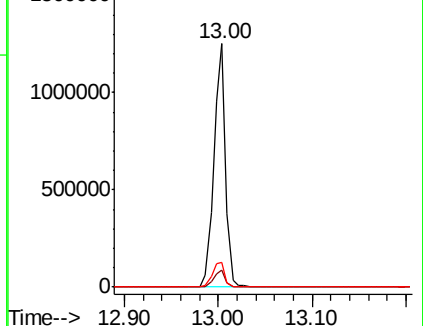
122 10.0 9.0 13.6

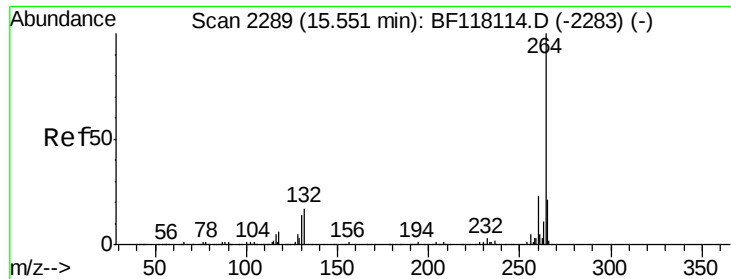


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

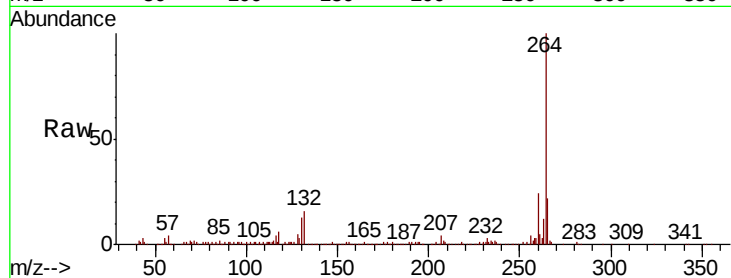




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BF118168.D
Acq: 10 Dec 2019 17:37

Instrument :
BNA_F
ClientSampleId :
42-SPRUCE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	21.8	16.8	25.2

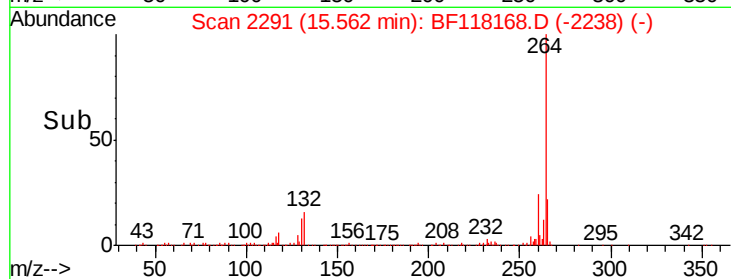
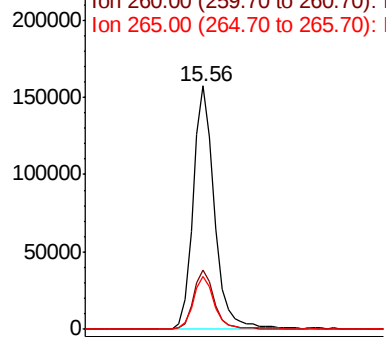


Abundance

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



Time-->