

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092319\
 Data File : BF117211.D
 Acq On : 23 Sep 2019 18:06
 Operator : HP/JU
 Sample : K4665-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 03:11:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

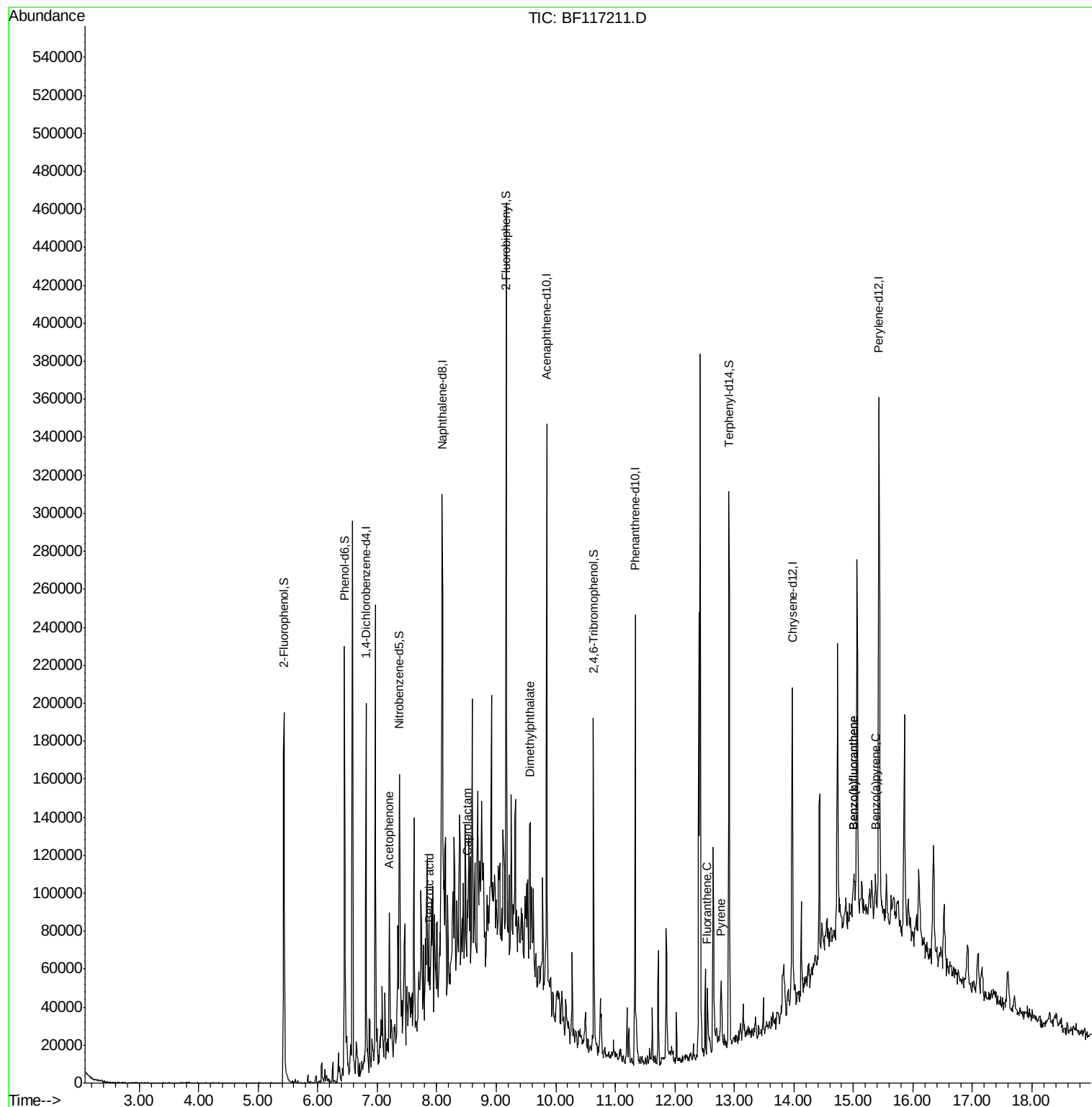
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	25230	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	105689	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	55310	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	82490	20.00	ng	0.00
76) Chrysene-d12	13.97	240	51424	20.00	ng	0.00
87) Perylene-d12	15.43	264	53602	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	67523	41.78	ng	0.00
7) Phenol-d6	6.45	99	94069	45.04	ng	0.00
23) Nitrobenzene-d5	7.37	82	52240	25.97	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	18297	39.58	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	108616	30.70	ng	0.00
79) Terphenyl-d14	12.91	244	86949	31.61	ng	0.00
Target Compounds						
9) Benzaldehyde	6.42	77	158	Below Cal		Qvalue # 1
22) Acetophenone	7.20	105	9041	3.367 ng	#	63
32) Benzoic acid	7.89	122	115	6.691 ng	#	1
35) Caprolactam	8.52	113	1015	2.115 ng	#	1
50) Dimethylphthalate	9.56	163	15274	3.900 ng	#	93
75) Fluoranthene	12.55	202	13498	2.804 ng		97
78) Pyrene	12.77	202	13180	3.055 ng		97
88) Benzo(b)fluoranthene	15.01	252	10486	3.230 ng	#	75
89) Benzo(k)fluoranthene	15.01	252	10486	3.409 ng	#	75
90) Benzo(a)pyrene	15.37	252	5771	2.025 ng	#	81

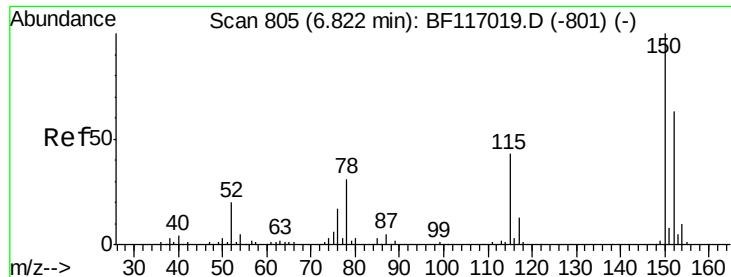
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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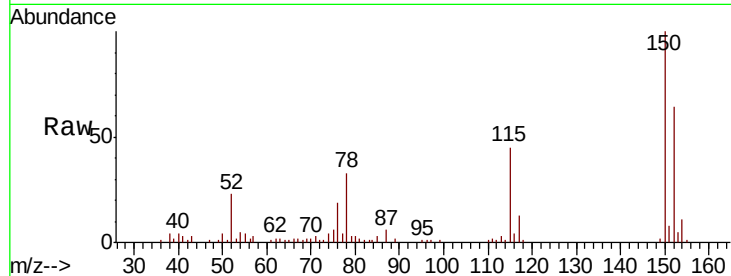


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117211.D
Acq: 23 Sep 2019 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	127.5	191.3
115	70.2	55.0	82.4

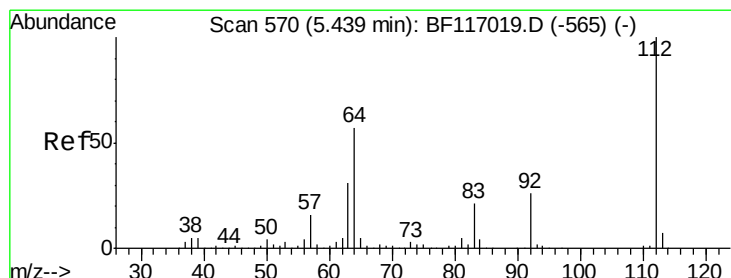
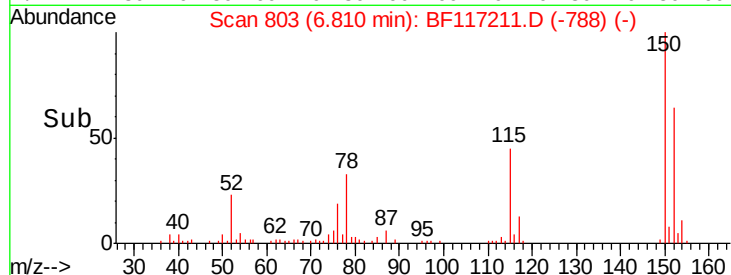
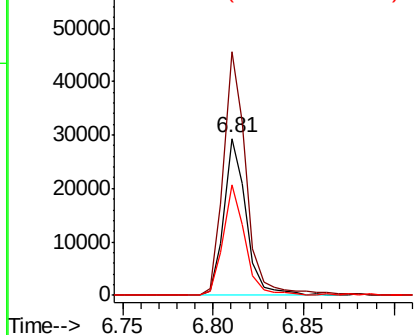


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

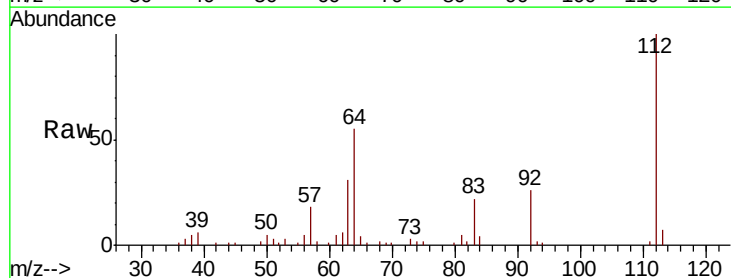
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.784 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117211.D
Acq: 23 Sep 2019 18:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	45.7	68.5
63	30.5	24.9	37.3

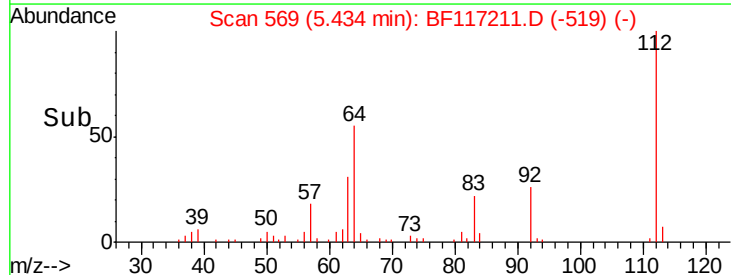
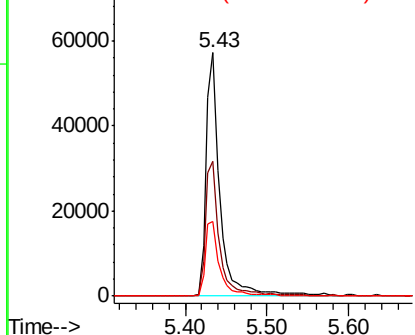


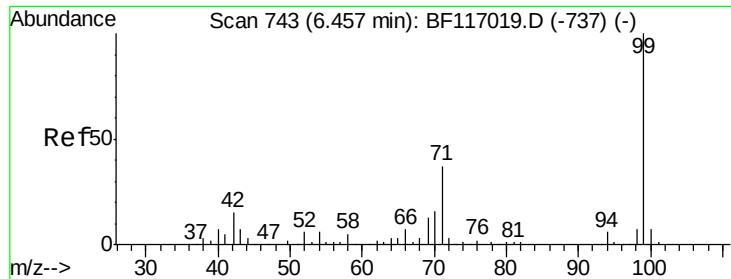
Abundance

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: 45.042 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117211.D

Acq: 23 Sep 2019 18:06

Instrument :

BNA_F

ClientSampleId :

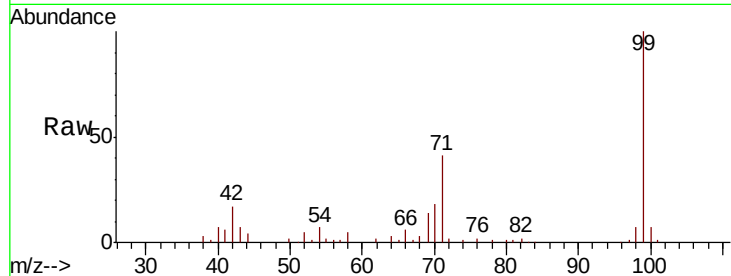
Tot Ion: 99 Resp: 94069

Ion Ratio Lower Upper

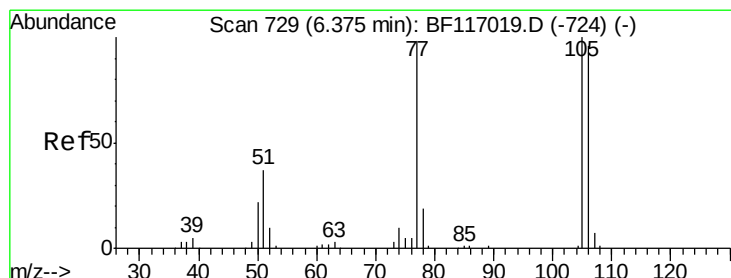
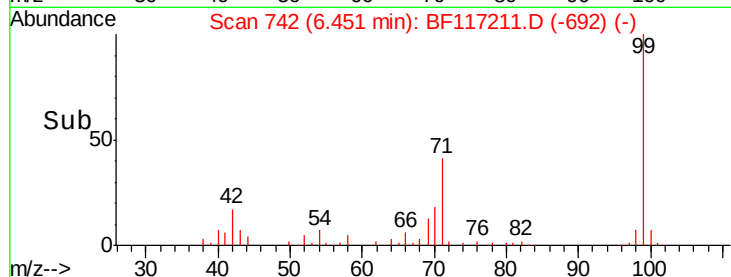
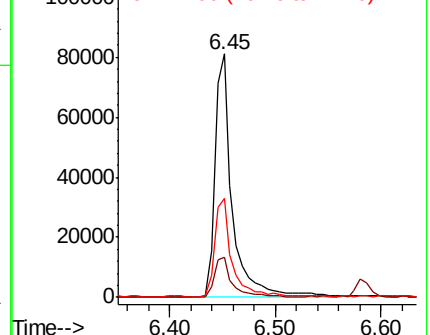
99 100

42 16.7 12.2 18.2

71 40.8 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.42 min Scan# 736

Delta R.T. 0.04 min

Lab File: BF117211.D

Acq: 23 Sep 2019 18:06

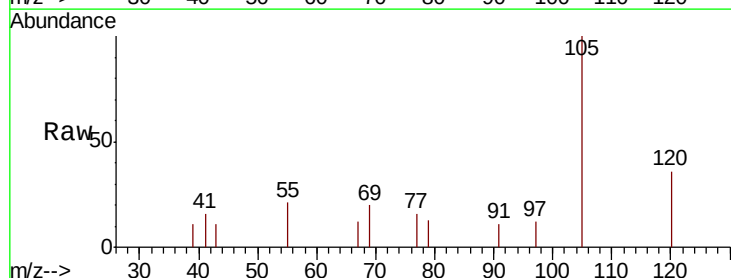
Tgt Ion: 77 Resp: 158

Ion Ratio Lower Upper

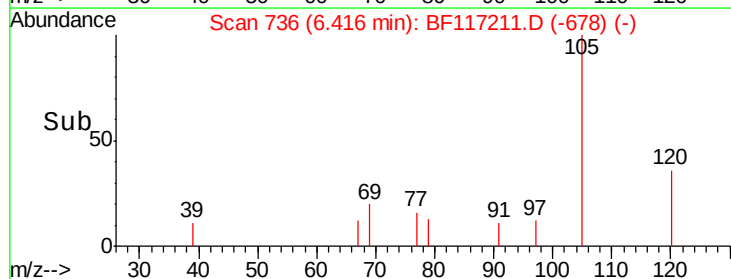
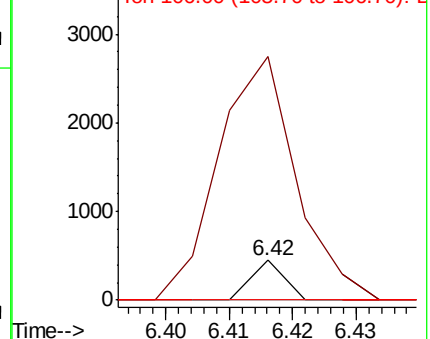
77 100

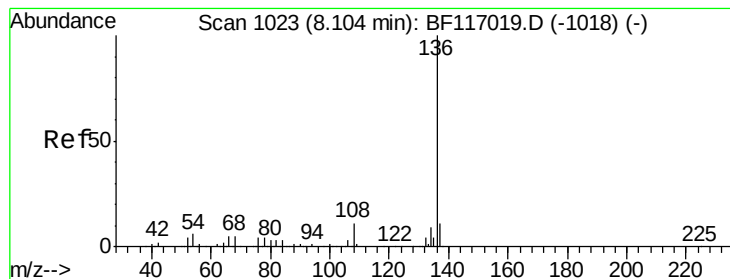
105 611.8 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF117211.D

Acq: 23 Sep 2019 18:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 105689

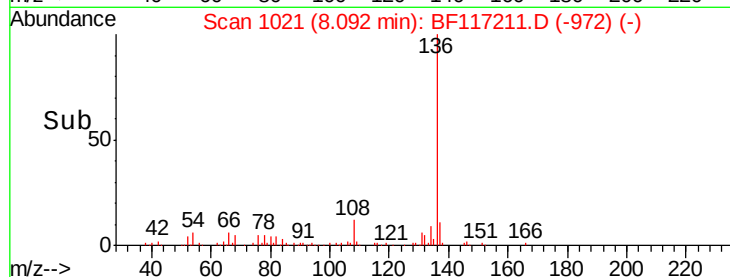
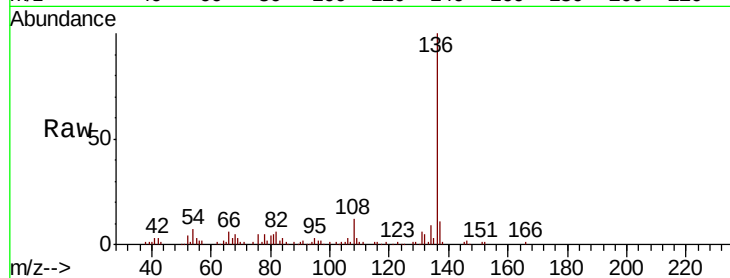
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 6.8 4.5 6.7#

68 5.3 4.0 6.0

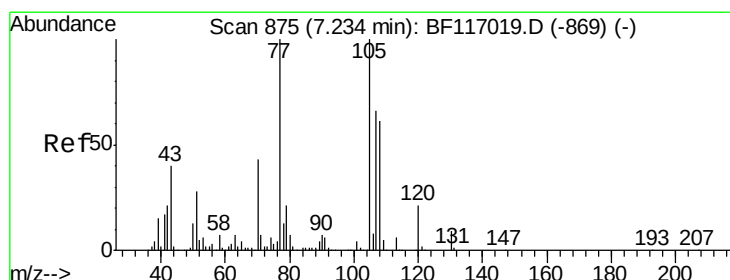
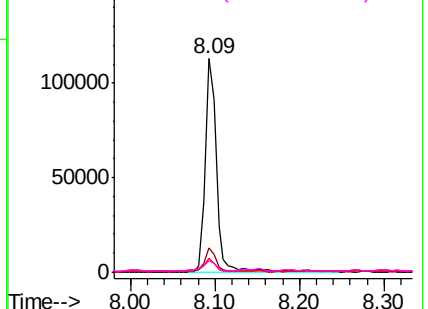


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 3.367 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.03 min

Lab File: BF117211.D

Acq: 23 Sep 2019 18:06

Tgt Ion:105 Resp: 9041

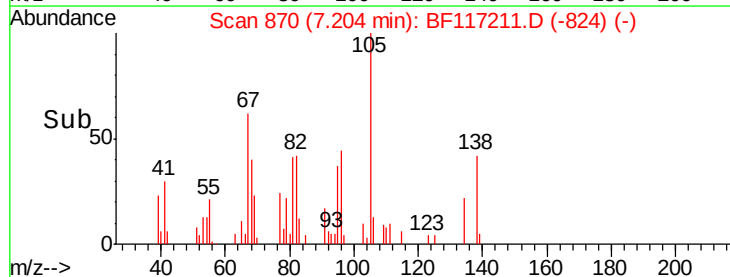
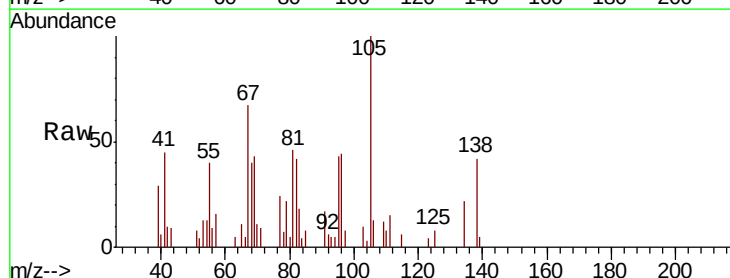
Ion Ratio Lower Upper

105 100

71 9.4 5.7 8.5#

51 7.5 22.1 33.1#

120 0.0 17.1 25.7#

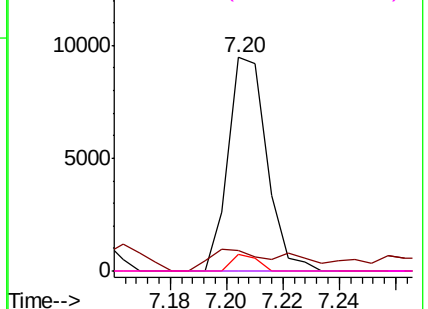


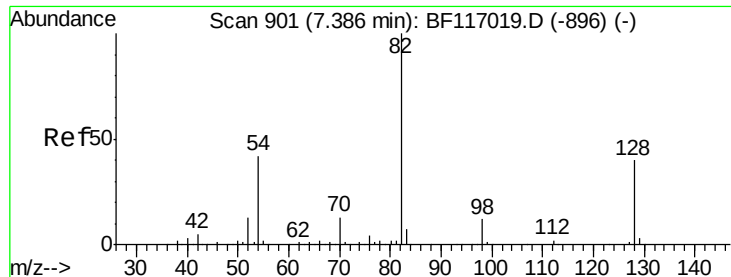
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

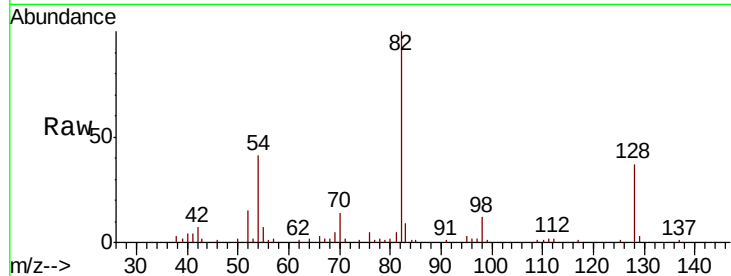




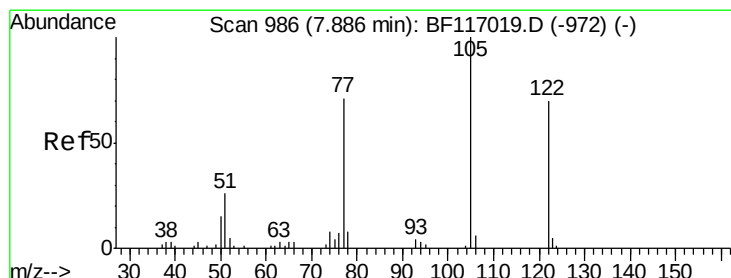
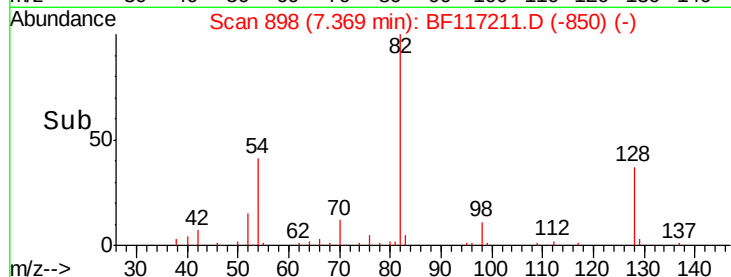
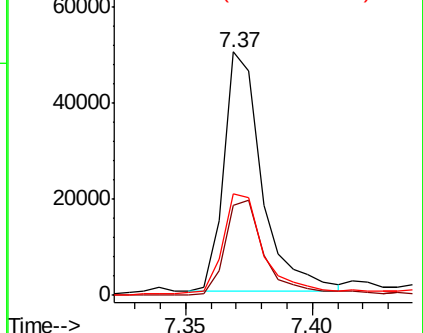
#23
Nitrobenzene-d5
Concen: 25.971 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117211.D
Acq: 23 Sep 2019 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	52240
Ion Ratio	100	Lower	Upper
128	36.7	32.3	48.5
54	41.5	33.3	49.9

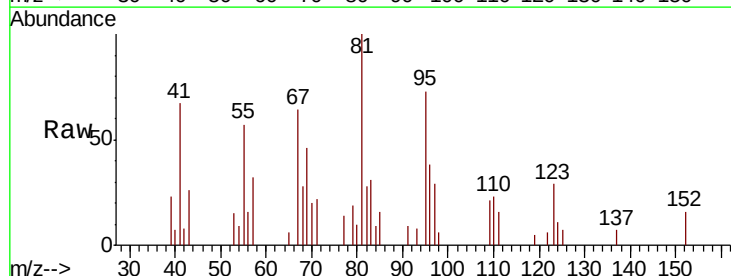


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

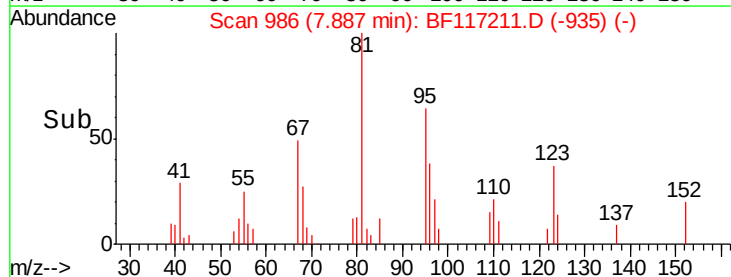
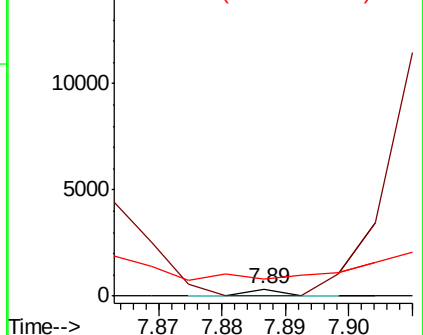


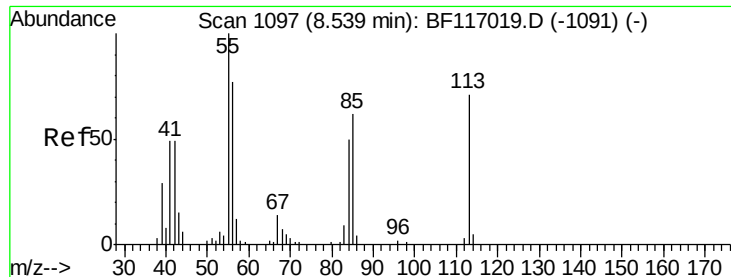
#32
Benzoic acid
Concen: 6.691 ng
RT: 7.89 min Scan# 986
Delta R.T. 0.00 min
Lab File: BF117211.D
Acq: 23 Sep 2019 18:06

Tgt Ion	122	Resp	115
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	114.8	154.8#
77	251.5	78.7	118.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

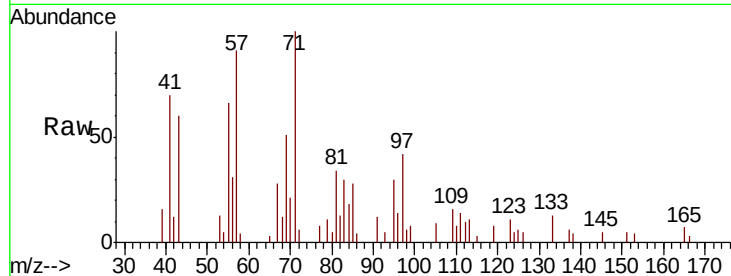




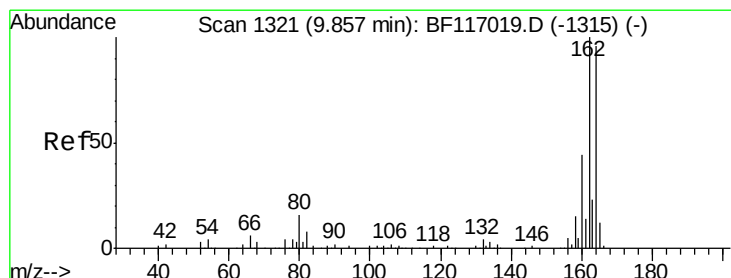
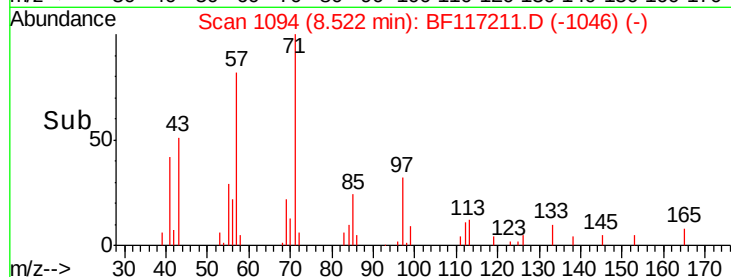
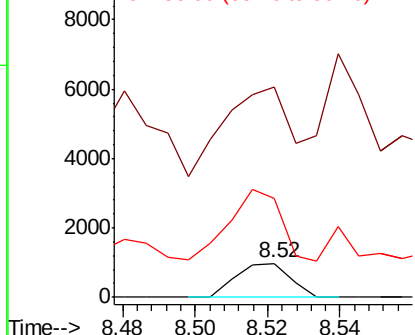
#35
Caprolactam
Concen: 2.115 ng
RT: 8.52 min Scan# 1094
Delta R.T. -0.02 min
Lab File: BF117211.D
Acq: 23 Sep 2019 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 1015
Ion Ratio Lower Upper
113 100
55 614.9 120.6 160.6#
56 289.5 88.8 128.8#

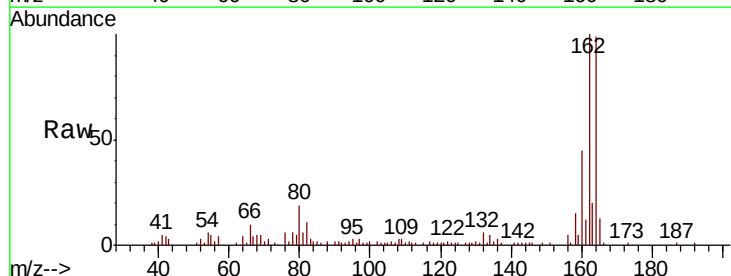


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

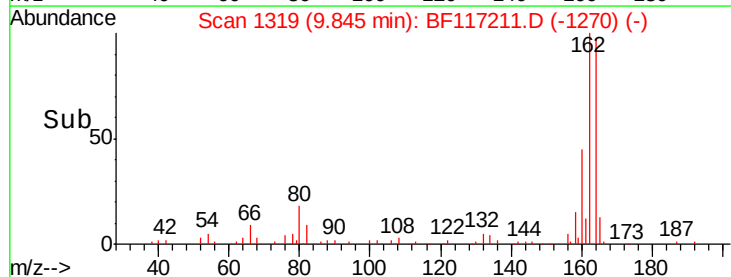
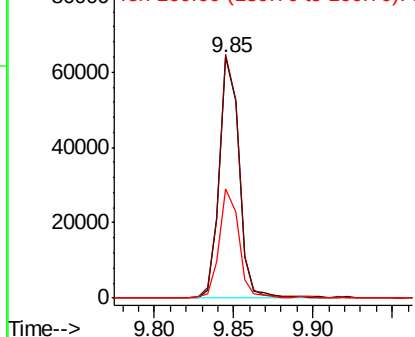


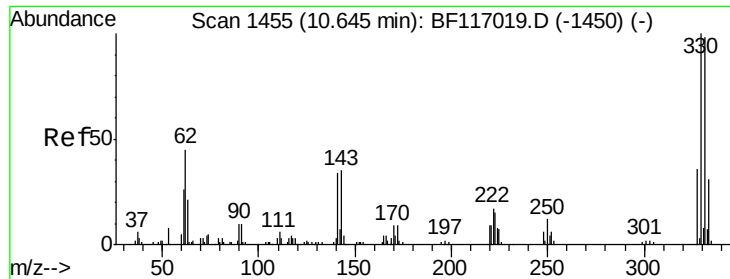
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117211.D
Acq: 23 Sep 2019 18:06

Tgt Ion:164 Resp: 55310
Ion Ratio Lower Upper
164 100
162 101.3 83.4 125.2
160 45.6 36.4 54.6



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: 39.581 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117211.D

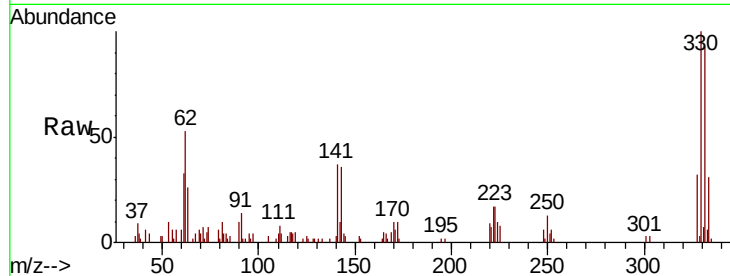
Acq: 23 Sep 2019 18:06

Instrument :

BNA_F

ClientSampled :

Tot Ion:	330	Resp:	18297
Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.0	117.0
141	57.7	35.8	53.6#

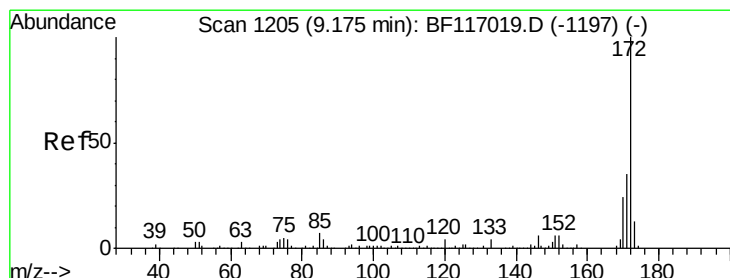
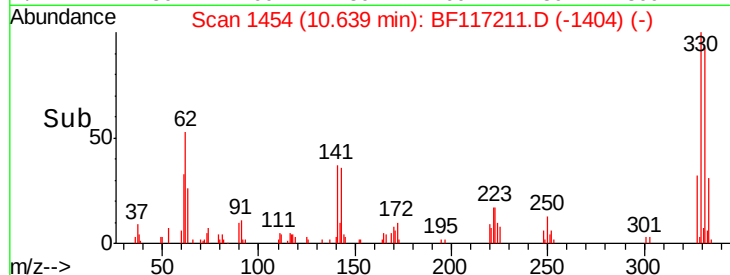
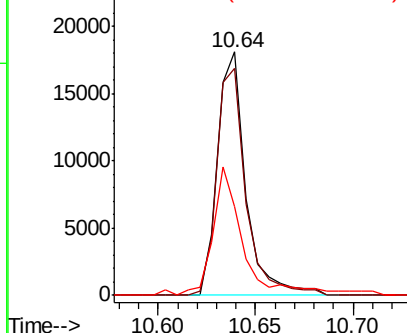


Abundance

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: 30.705 ng

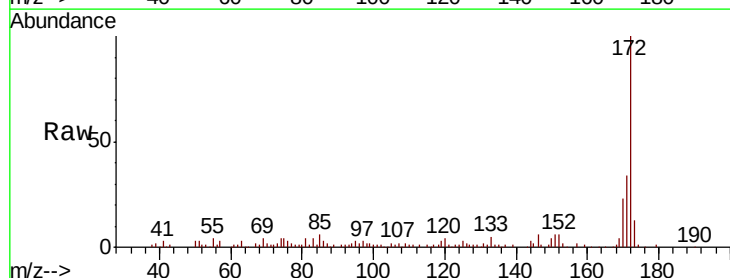
RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF117211.D

Acq: 23 Sep 2019 18:06

Tgt Ion:	172	Resp:	108616
Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.2	42.2
170	23.1	18.9	28.3

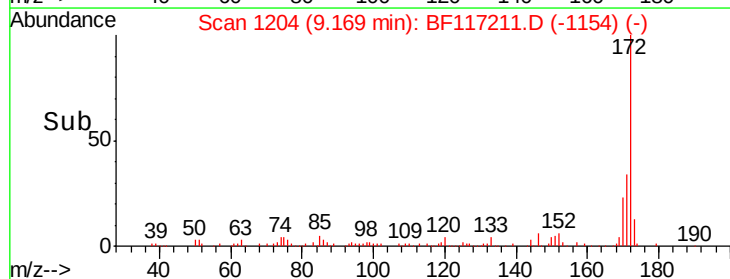
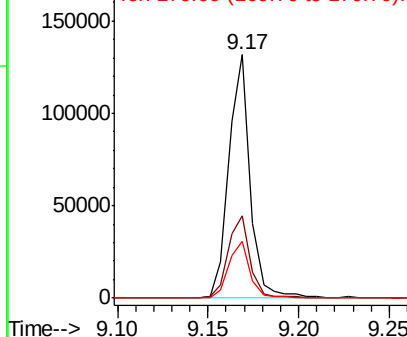


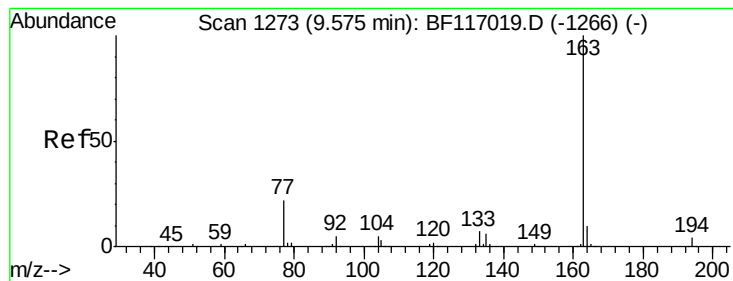
Abundance

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





#50

Dimethylphthalate

Concen: 3.900 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF117211.D

Acq: 23 Sep 2019 18:06

Instrument :

BNA_F

ClientSampleId :

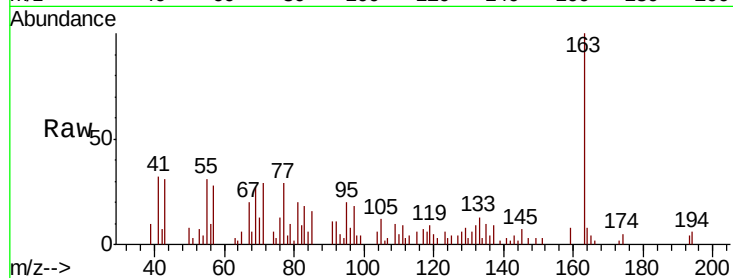
Tot Ion:163 Resp: 15274

Ion Ratio Lower Upper

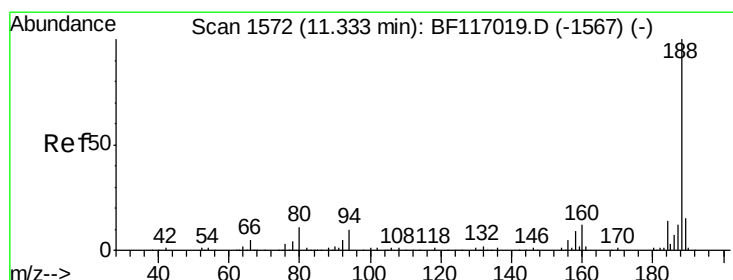
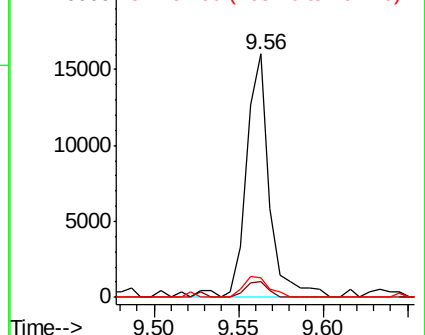
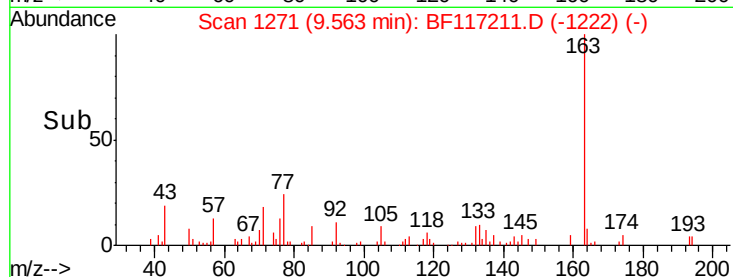
163 100

194 6.4 2.9 4.3#

164 8.0 8.2 12.4#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117211.D

Acq: 23 Sep 2019 18:06

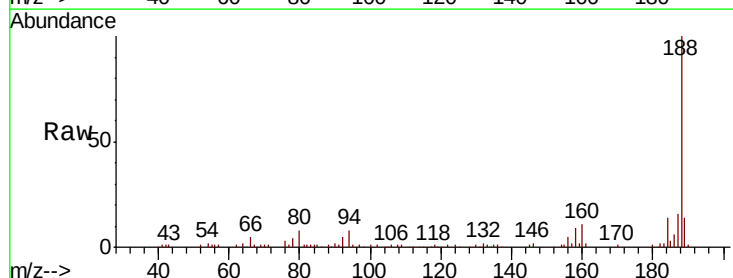
Tgt Ion:188 Resp: 82490

Ion Ratio Lower Upper

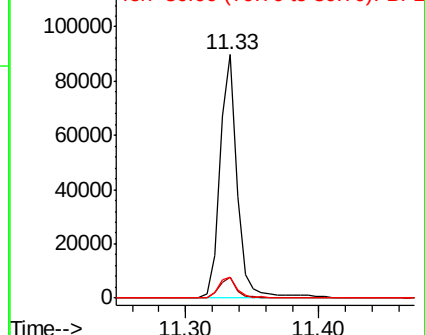
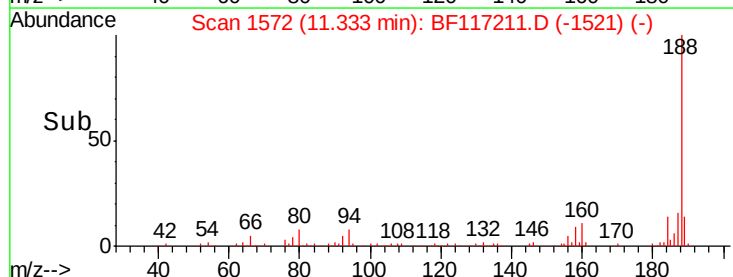
188 100

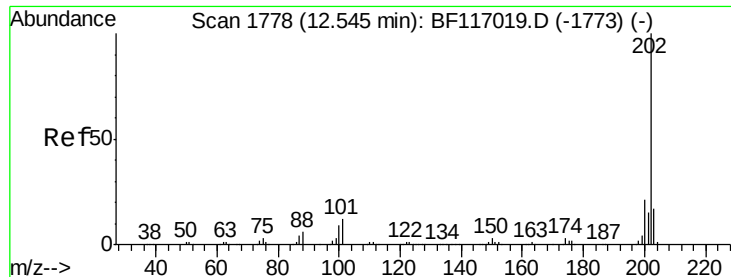
94 8.5 8.2 12.2

80 8.3 9.0 13.6#



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

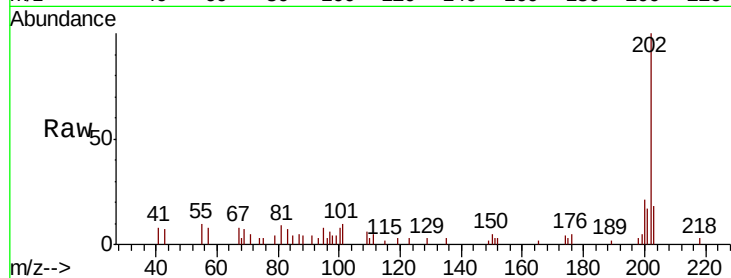




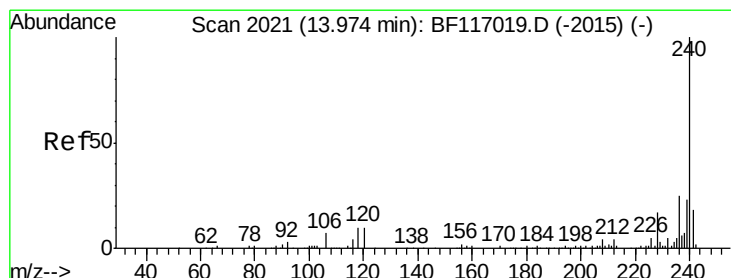
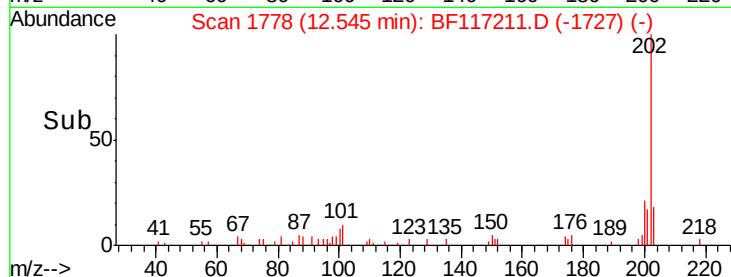
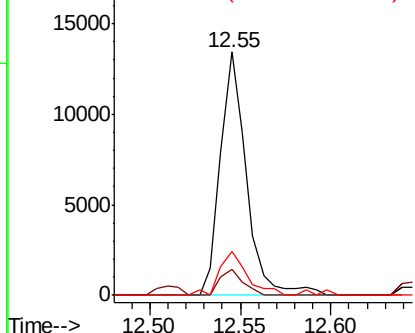
#75
 Fluoranthene
 Concen: 2.804 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: BF117211.D
 Acq: 23 Sep 2019 18:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	32.3
203	18.0	0.0	37.1

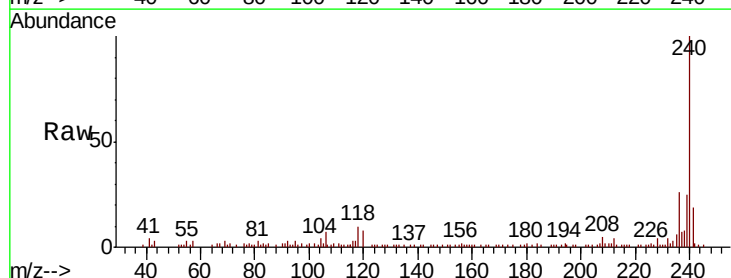


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

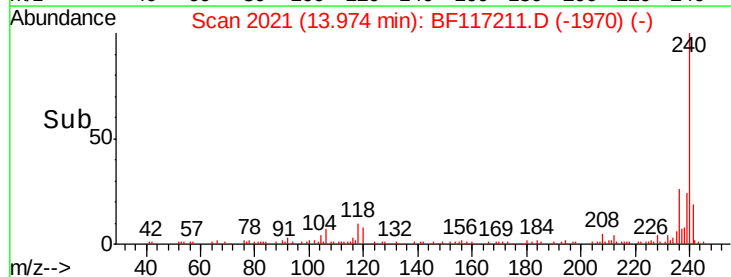
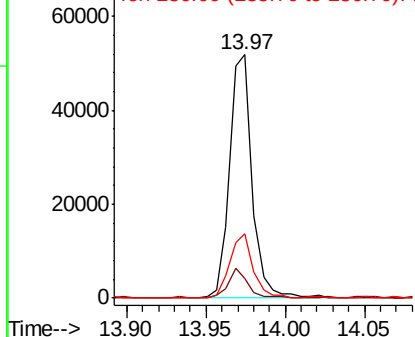


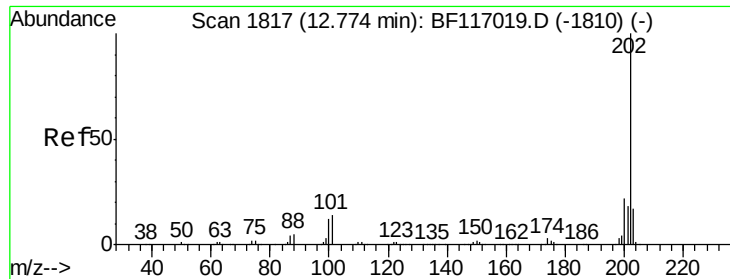
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF117211.D
 Acq: 23 Sep 2019 18:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.1	8.3	12.5#
236	26.5	20.3	30.5



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

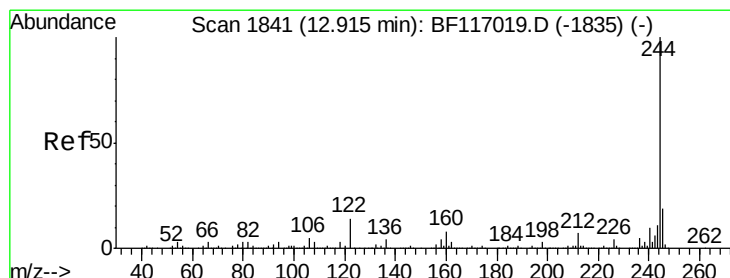
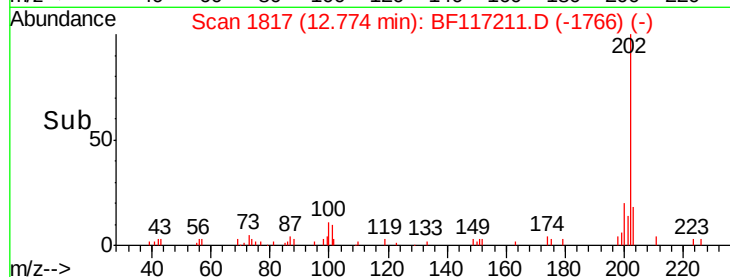
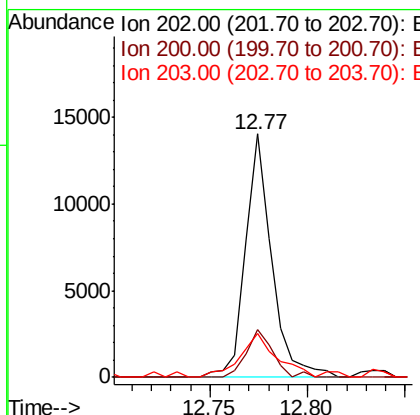
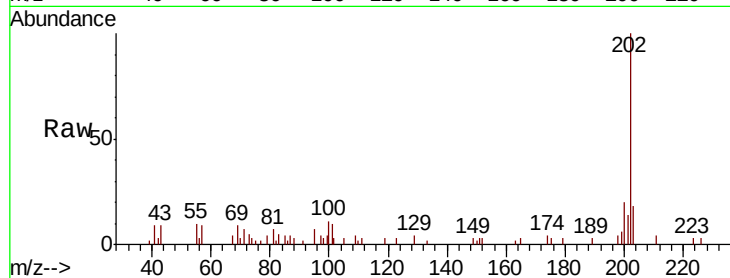




#78
Pvrene
Concen: 3.055 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117211.D
Acq: 23 Sep 2019 18:06

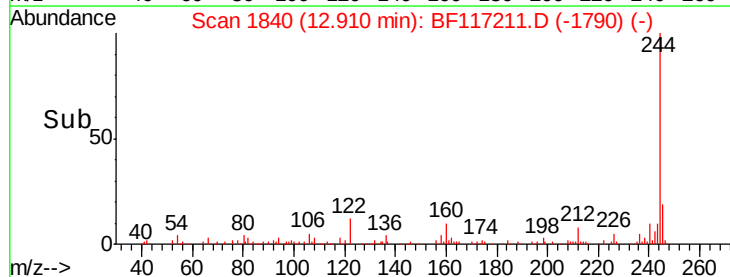
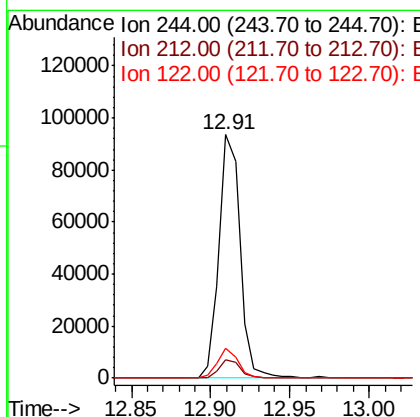
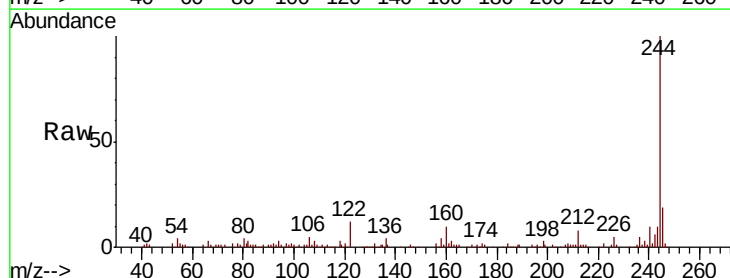
Instrument :
BNA_F
ClientSampleId :

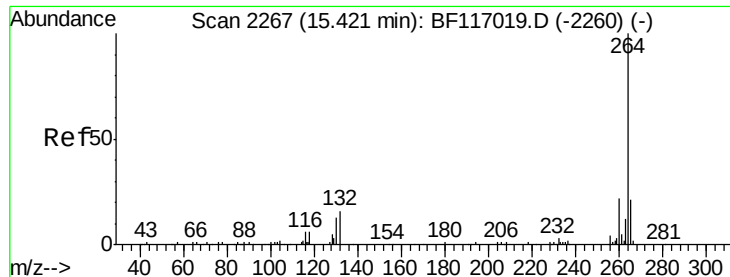
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.2	25.8
203	18.1	14.0	21.0



#79
Terphenyl-d14
Concen: 31.605 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117211.D
Acq: 23 Sep 2019 18:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	12.0	11.3	16.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF117211.D

Acq: 23 Sep 2019 18:06

Instrument :

BNA_F

ClientSampleId :

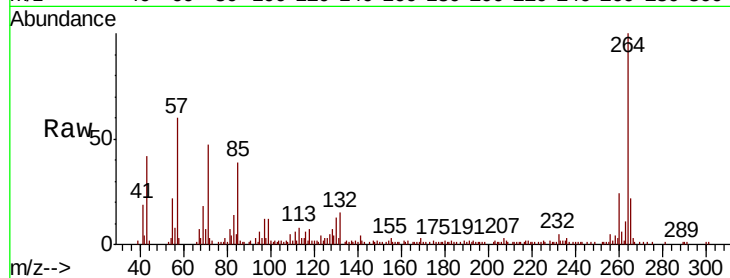
Tot Ion:264 Resp: 53602

Ion Ratio Lower Upper

264 100

260 23.6 17.6 26.4

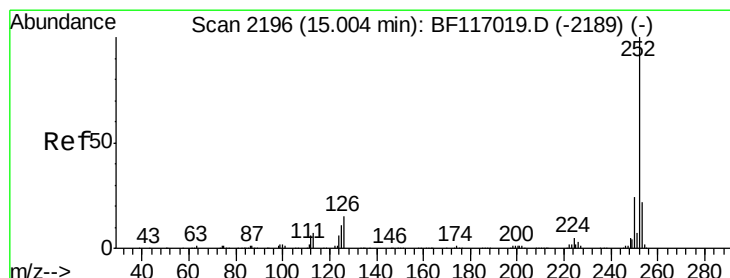
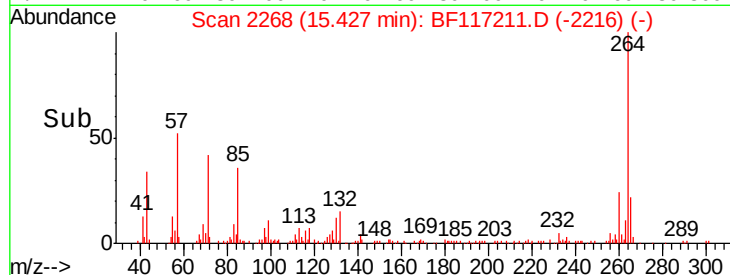
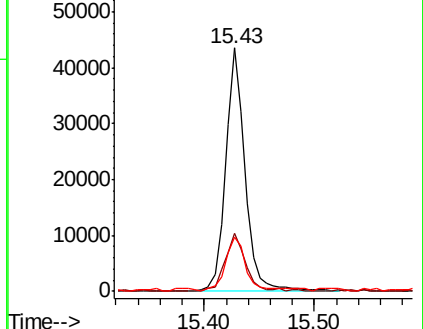
265 22.3 16.6 24.8



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: 3.230 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF117211.D

Acq: 23 Sep 2019 18:06

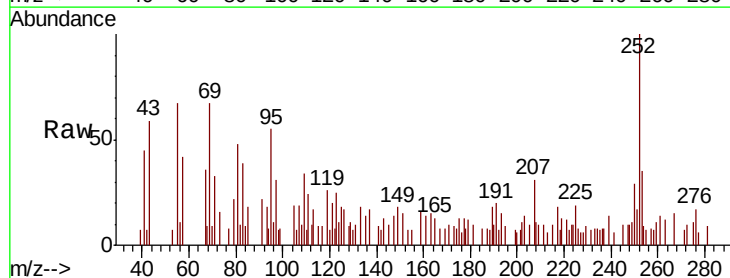
Tgt Ion:252 Resp: 10486

Ion Ratio Lower Upper

252 100

253 35.4 17.6 26.4#

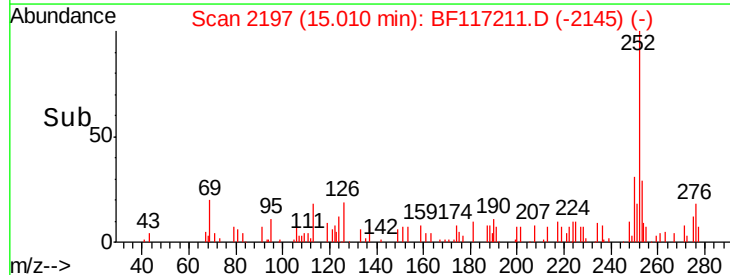
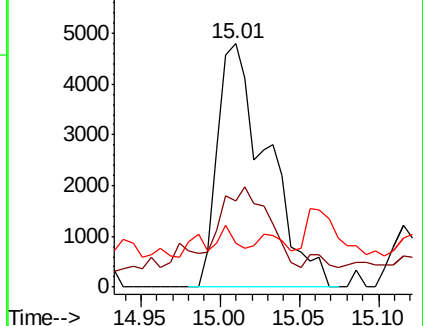
125 18.0 8.6 12.8#

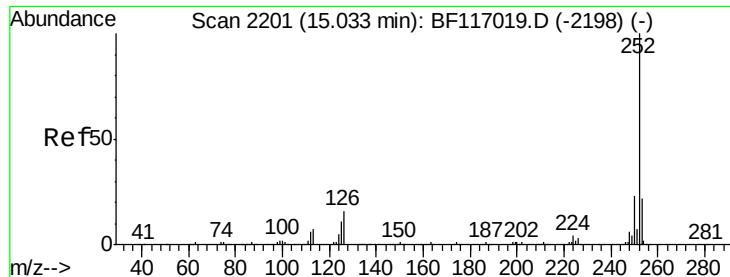


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

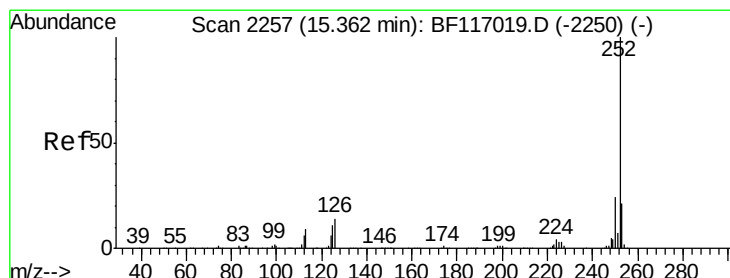
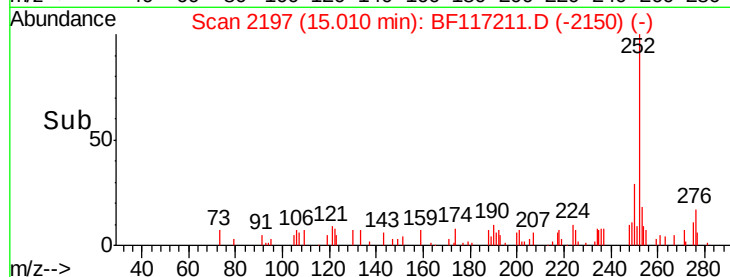
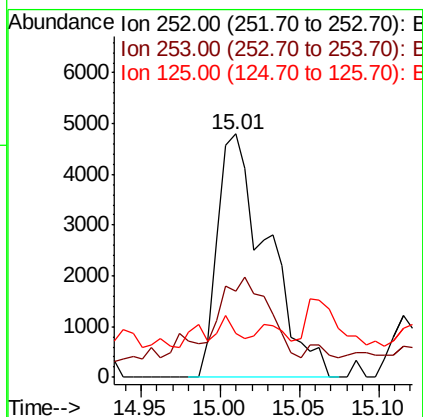
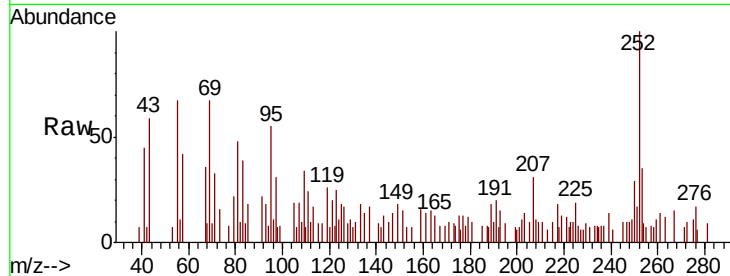




#89
Benzo(k)fluoranthene
Concen: 3.409 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF117211.D
Acq: 23 Sep 2019 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 10486
Ion Ratio Lower Upper
252 100
253 35.4 17.4 26.2#
125 18.0 8.8 13.2#



#90
Benzo(a)pyrene
Concen: 2.025 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117211.D
Acq: 23 Sep 2019 18:06

Tgt Ion:252 Resp: 5771
Ion Ratio Lower Upper
252 100
253 26.9 16.6 25.0#
125 22.7 8.9 13.3#

