

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098069.D
 Acq On : 28 Aug 2017 15:25
 Operator : SJ/JU
 Sample : I4969-04 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-B

Quant Time: Aug 29 07:46:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	103011	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	402049	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	163952	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	266821	20.00	ng	0.00
75) Chrysene-d12	13.89	240	217730	20.00	ng	0.00
86) Perylene-d12	15.32	264	176004	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	211709	31.26	ng	-0.01
7) Phenol-d6	6.37	99	290386	31.56	ng	-0.02
23) Nitrobenzene-d5	7.30	82	165789	22.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	37553	26.40	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	256636	23.00	ng	-0.01
78) Terphenyl-d14	12.84	244	153656	14.72	ng	-0.01

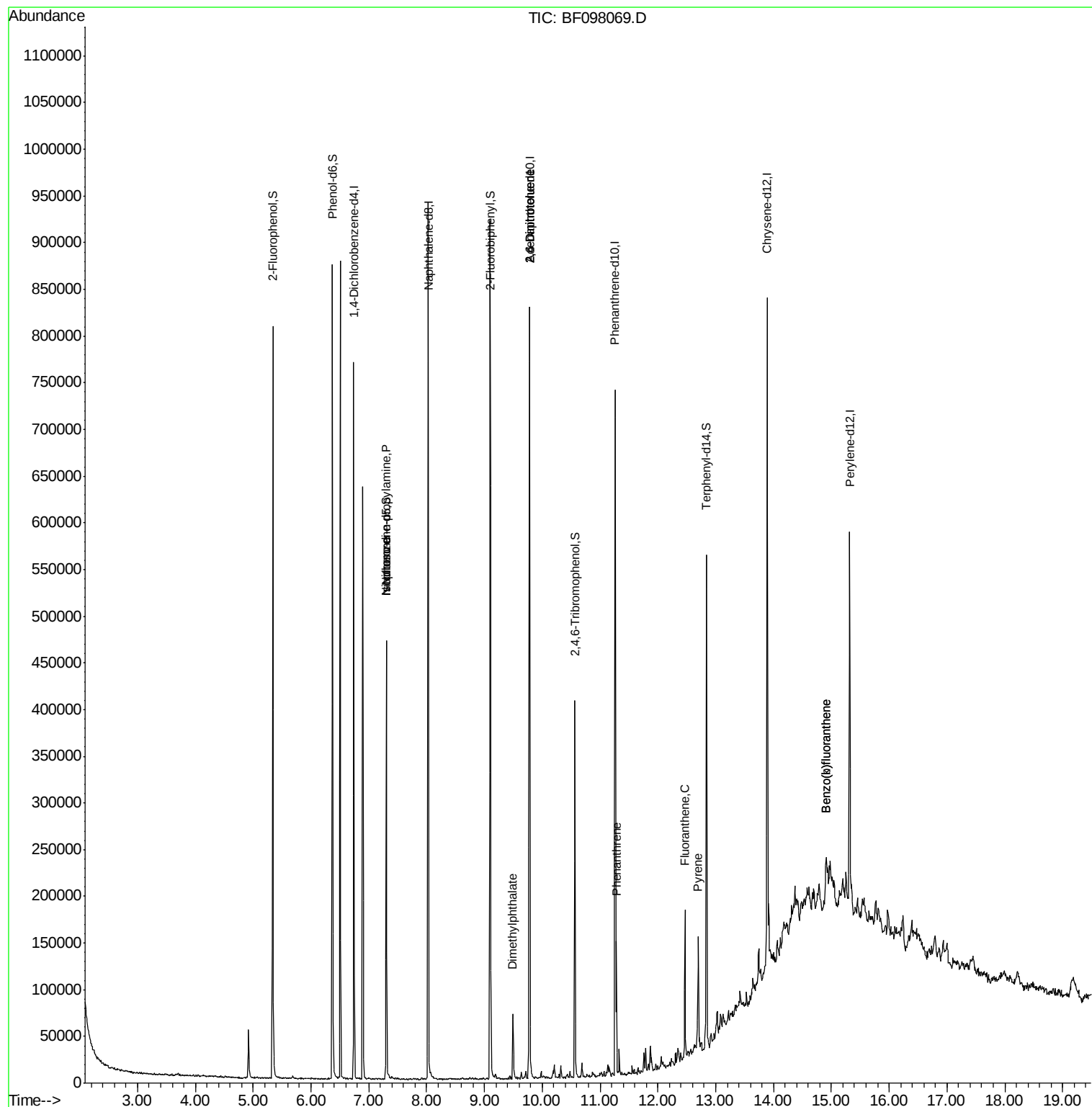
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	21600	3.429	ng	# 72
25) Isophorone	7.30	82	160959	10.459	ng	# 67
49) Dimethylphthalate	9.49	163	30077	2.510	ng	97
50) 2,6-Dinitrotoluene	9.77	165	20126	8.413	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	20126	6.704	ng	# 33
70) Phenanthrene	11.28	178	46948	3.302	ng	96
74) Fluoranthene	12.47	202	53066	3.576	ng	99
77) Pyrene	12.70	202	42858	2.407	ng	96
87) Benzo(b)fluoranthene	14.91	252	28743	2.591	ng	# 82
88) Benzo(k)fluoranthene	14.91	252	28743	2.758	ng	# 86

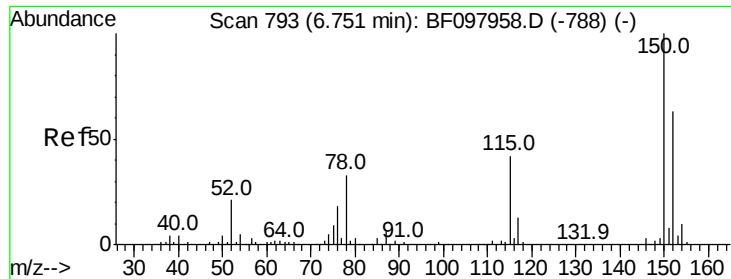
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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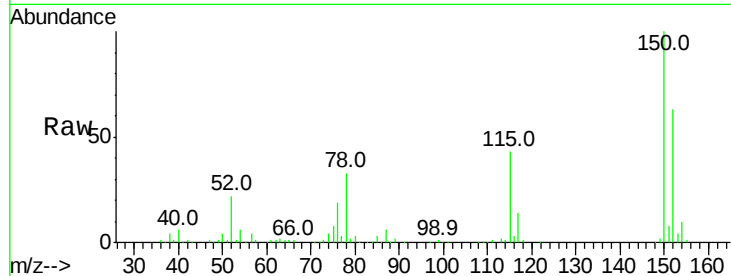


#1

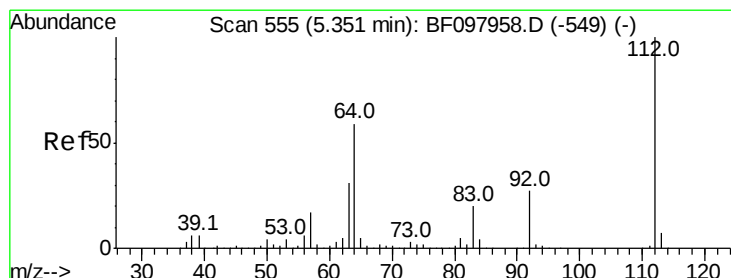
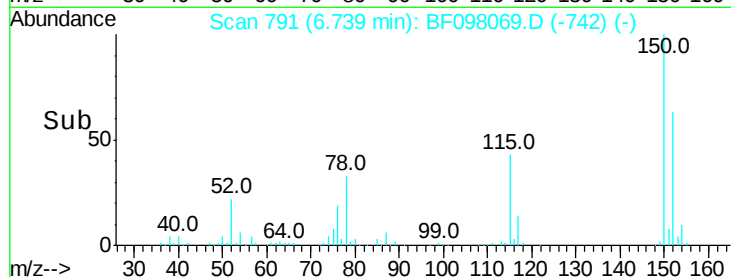
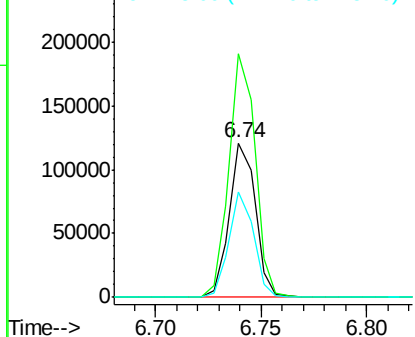
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098069.D
Acq: 28 Aug 2017 15:25

Instrument :
BNA_F
ClientSampleId :
BU-01-082417-B

Tot Ion:152 Resp: 103011
Ion Ratio Lower Upper
152 100
150 157.6 126.2 189.2
115 68.2 52.2 78.2



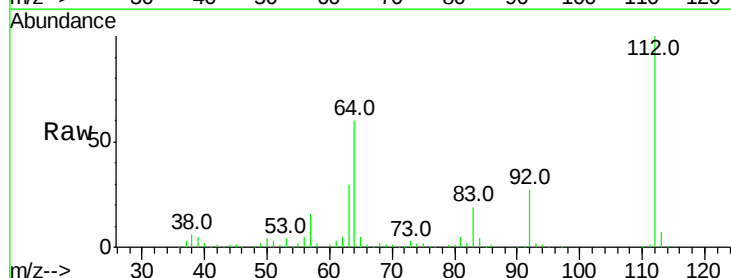
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



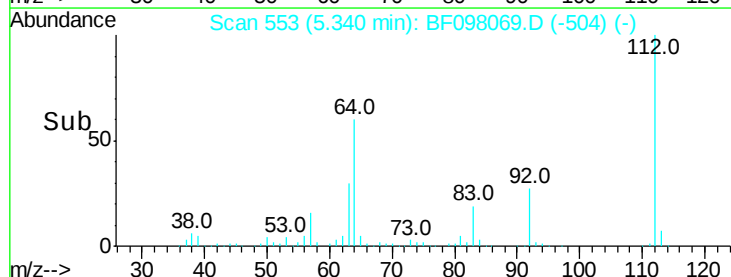
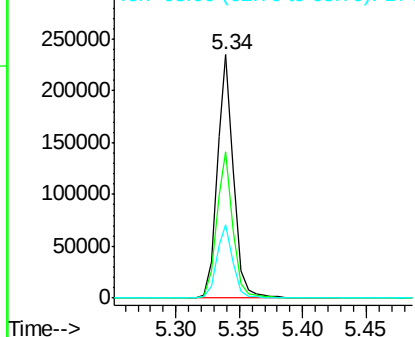
#5

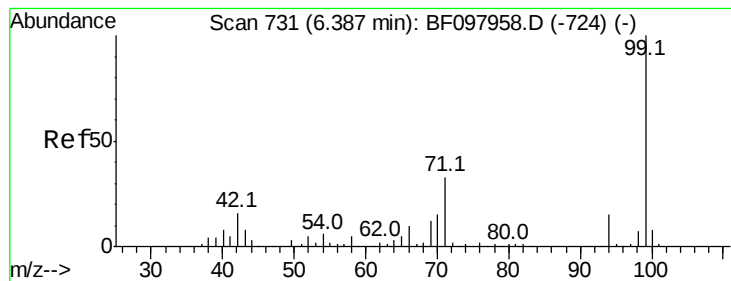
2-Fluorophenol
Concen: 31.261 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF098069.D
Acq: 28 Aug 2017 15:25

Tgt Ion:112 Resp: 211709
Ion Ratio Lower Upper
112 100
64 60.0 46.0 69.0
63 30.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.558 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

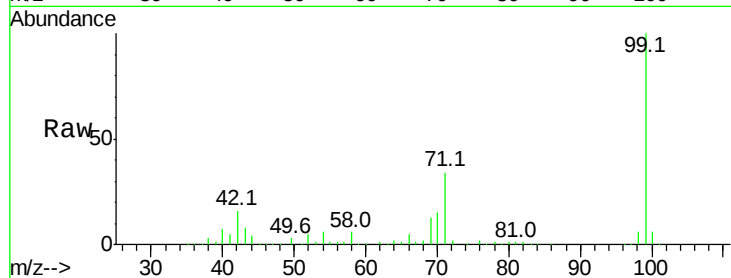
Tot Ion: 99 Resp: 290386

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

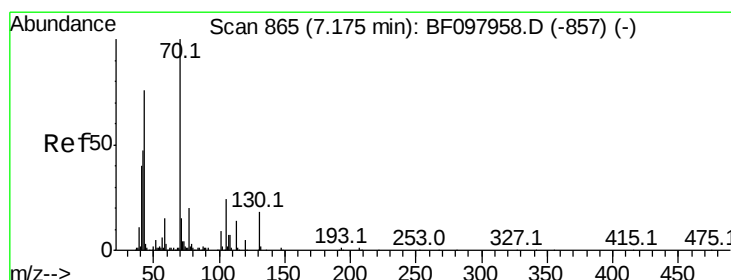
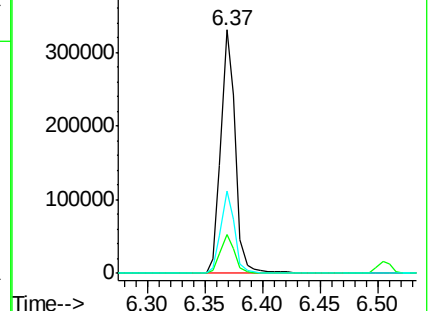
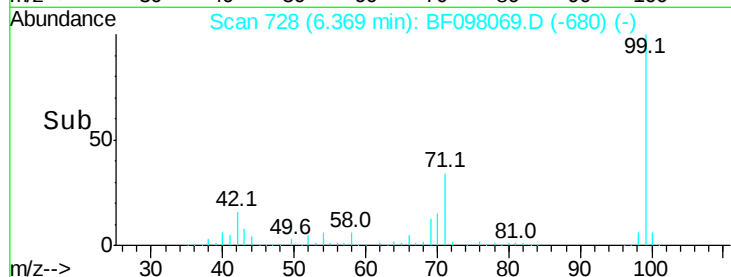
71 33.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 3.429 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Tgt Ion: 70 Resp: 21600

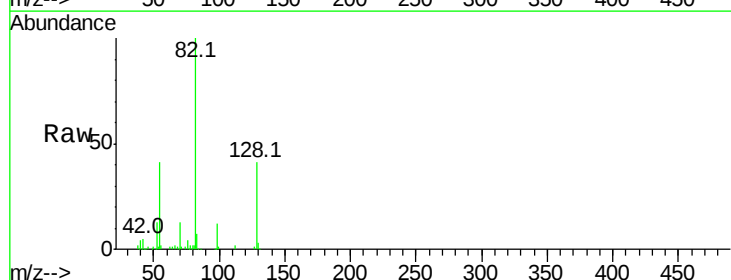
Ion Ratio Lower Upper

70 100

42 40.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

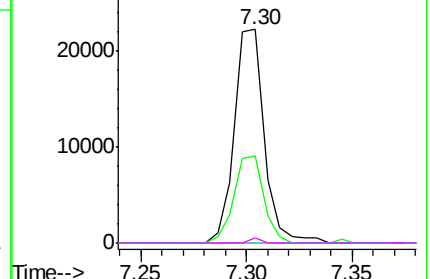
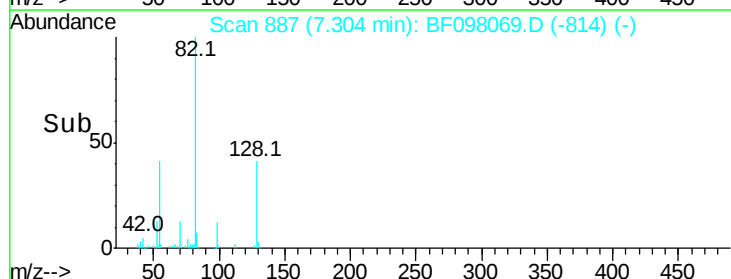


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

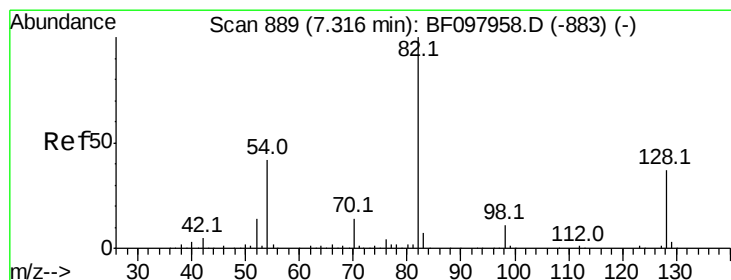
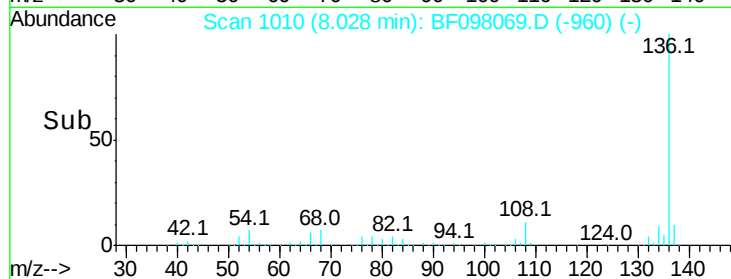
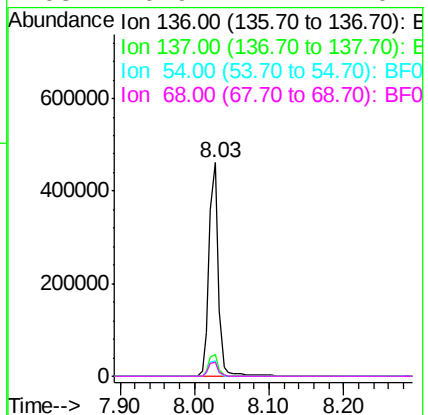
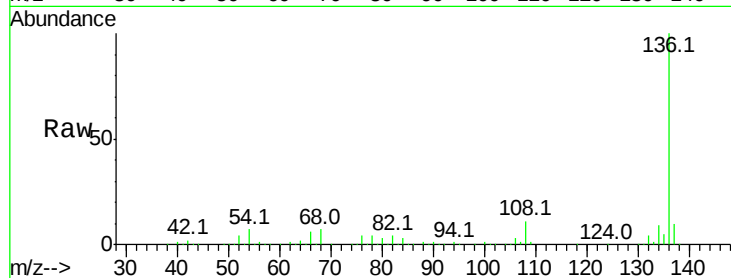




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF098069.D
Acq: 28 Aug 2017 15:25

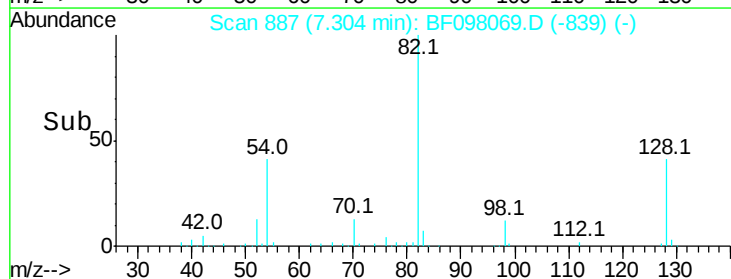
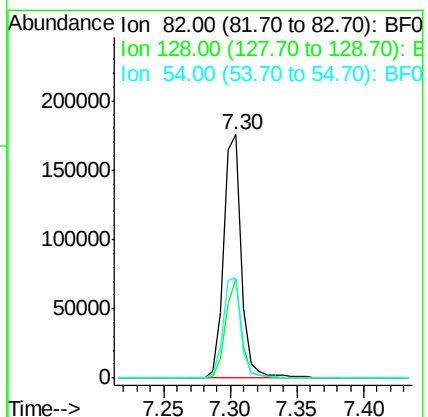
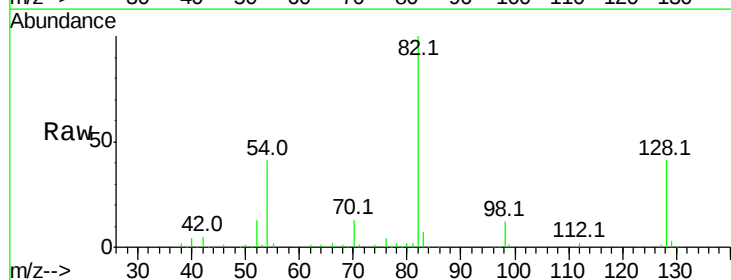
Instrument :
BNA_F
ClientSampleId :
BU-01-082417-B

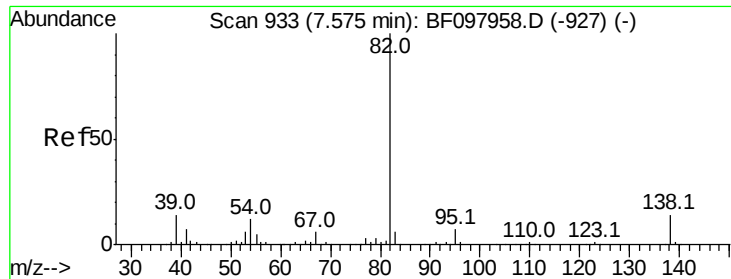
Tot Ion:	136	Resp:	402049
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	6.9	4.9	7.3
68	6.9	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 22.401 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098069.D
Acq: 28 Aug 2017 15:25

Tgt Ion:	82	Resp:	165789
Ion	Ratio	Lower	Upper
82	100		
128	40.5	34.0	51.0
54	41.2	42.2	63.2#





#25

Isophorone

Concen: 10.459 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

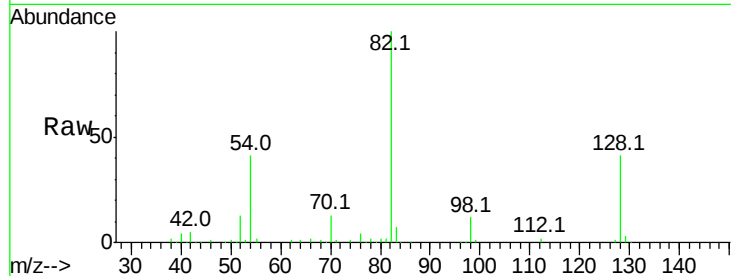
Tot Ion: 82 Resp: 160959

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

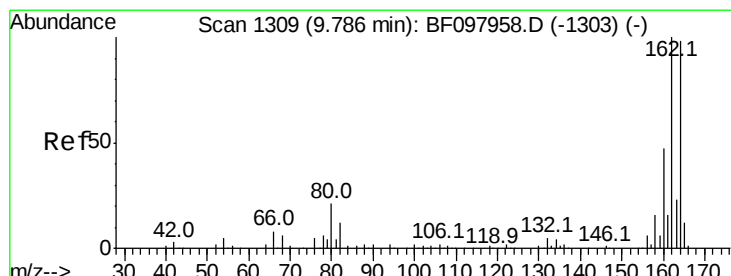
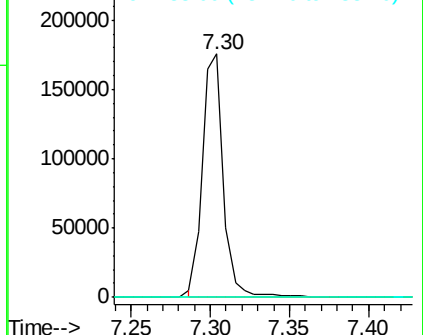
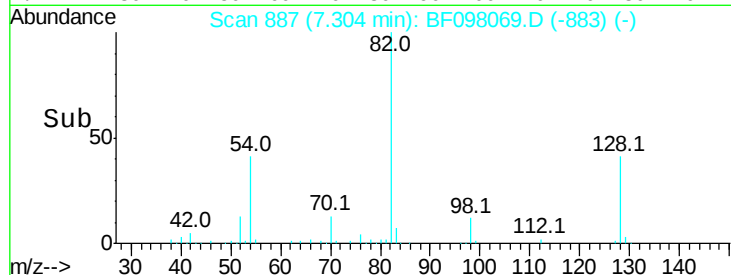
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

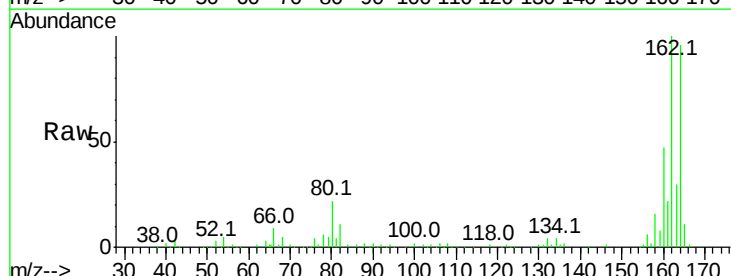
Tgt Ion:164 Resp: 163952

Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

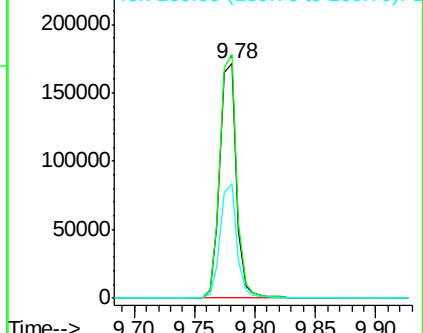
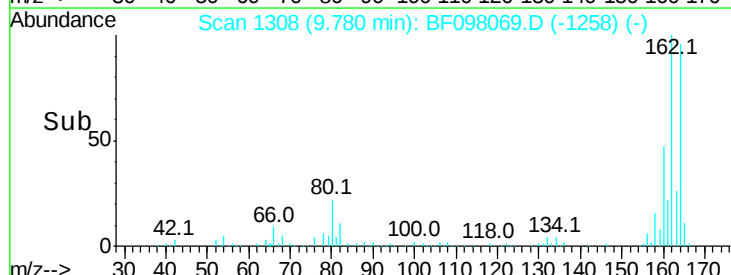
160 48.8 36.2 54.2



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

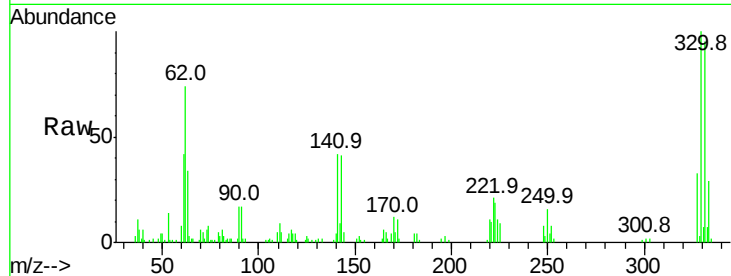




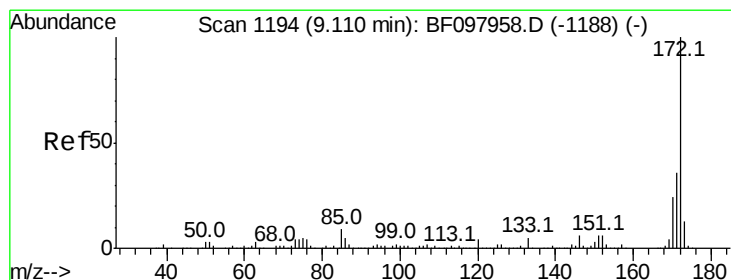
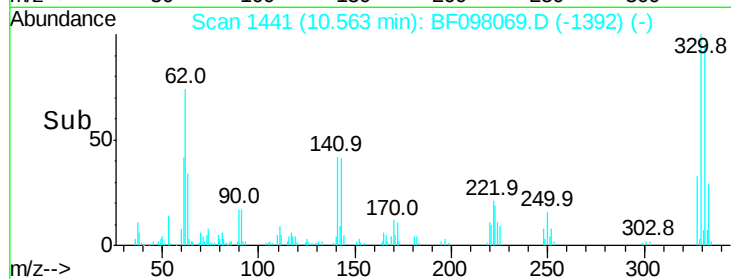
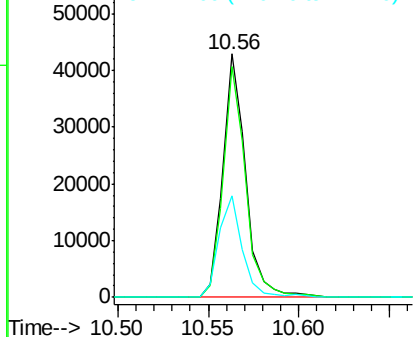
#41
 2,4,6-Tribromophenol
 Concen: 26.398 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098069.D
 Acq: 28 Aug 2017 15:25

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-B

Tot Ion:330 Resp: 37553
 Ion Ratio Lower Upper
 330 100
 332 93.9 76.6 115.0
 141 43.0 31.4 47.2

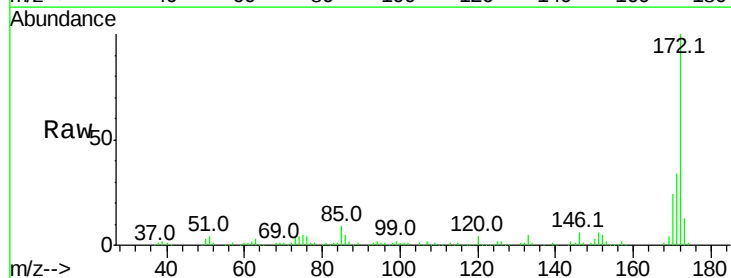


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

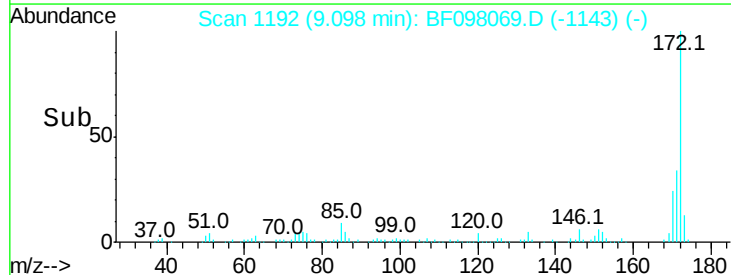
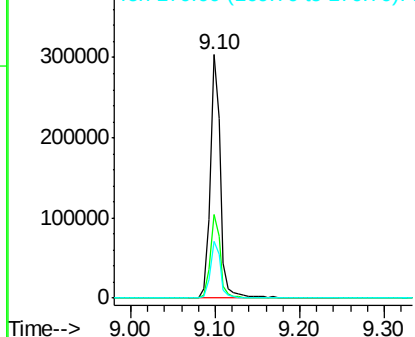


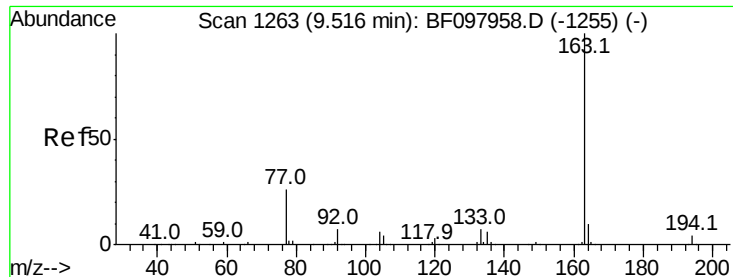
#44
 2-Fluorobiphenyl
 Concen: 22.998 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098069.D
 Acq: 28 Aug 2017 15:25

Tgt Ion:172 Resp: 256636
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.6 44.4
 170 23.6 19.8 29.8



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

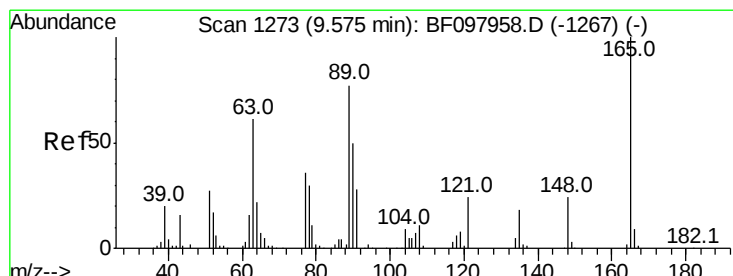
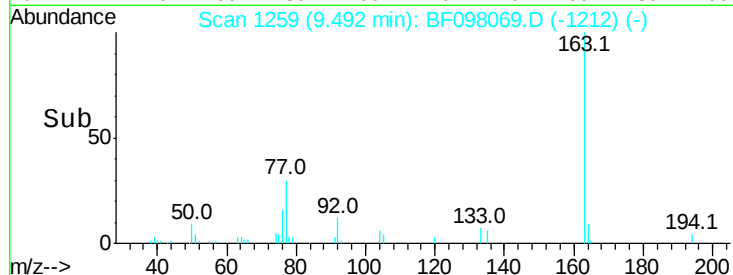
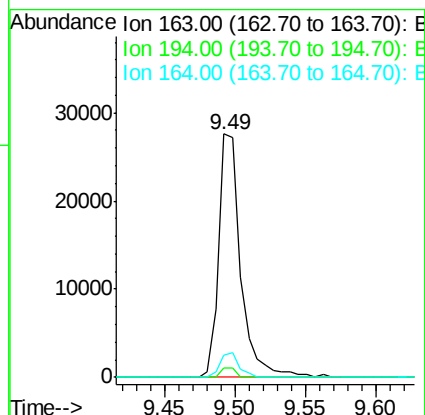
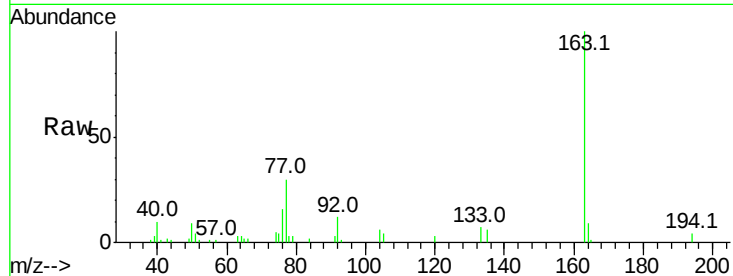




#49
Dimethylphthalate
Concen: 2.510 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098069.D
Acq: 28 Aug 2017 15:25

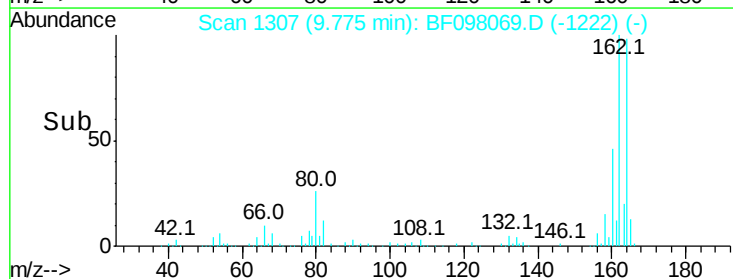
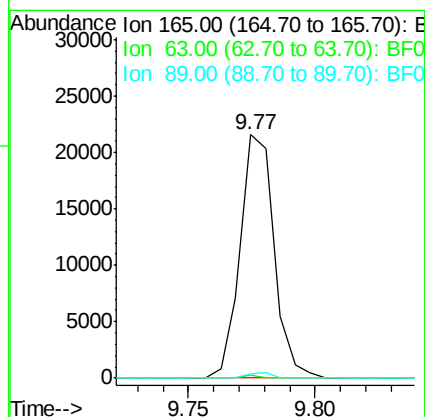
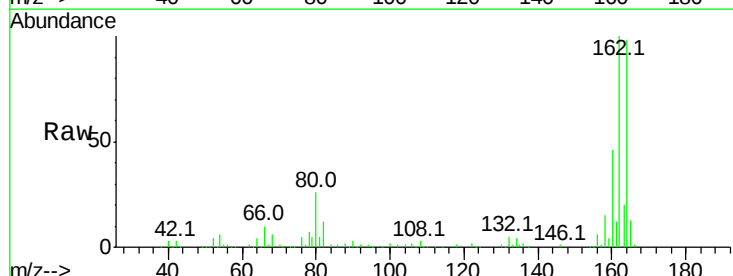
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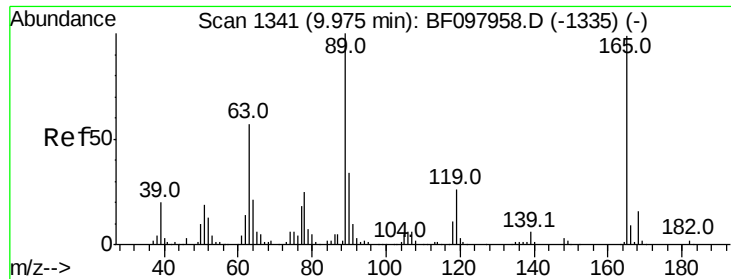
Tot Ion:163 Resp: 30077
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.3 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 8.413 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.20 min
Lab File: BF098069.D
Acq: 28 Aug 2017 15:25

Tgt Ion:165 Resp: 20126
Ion Ratio Lower Upper
165 100
63 1.4 34.3 51.5#
89 1.6 37.1 55.7#





#56

2,4-Dinitrotoluene

Concen: 6.704 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

Tot Ion:165 Resp: 20126

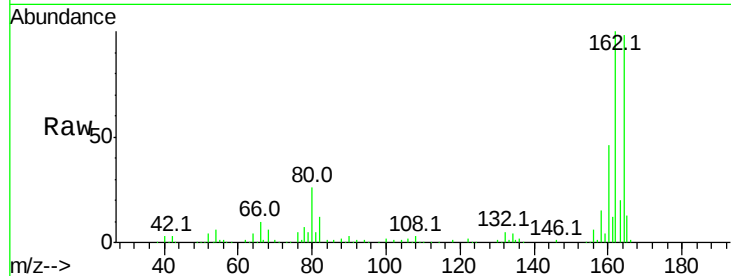
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.6 46.4 69.6#

182 0.0 1.8 2.6#

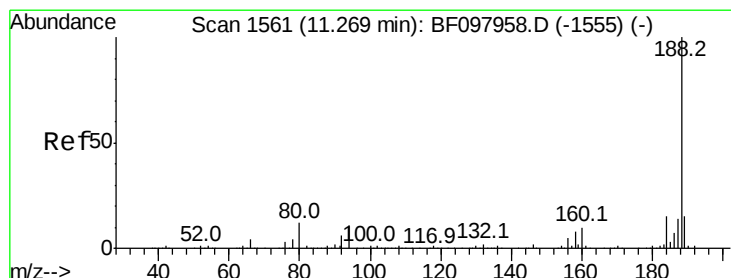
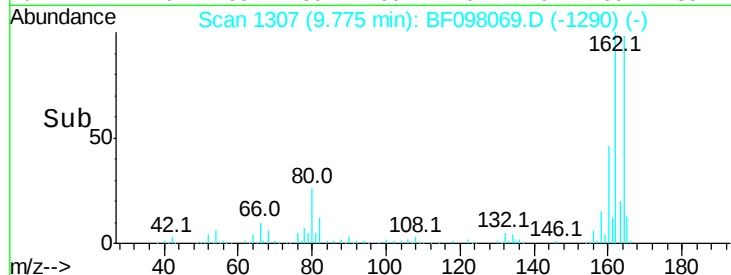
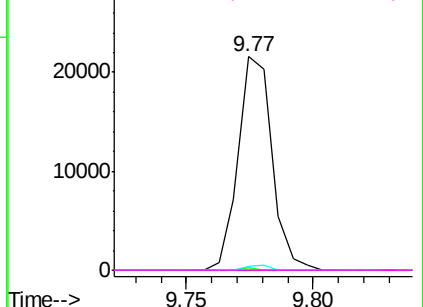


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

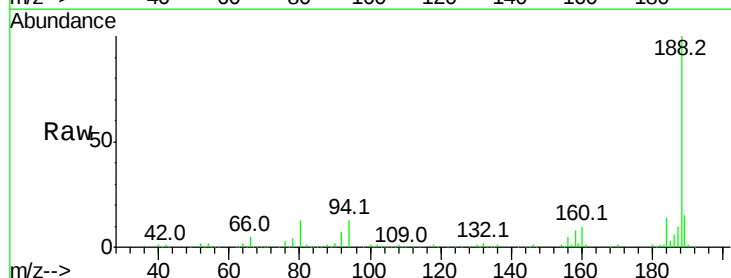
Tgt Ion:188 Resp: 266821

Ion Ratio Lower Upper

188 100

94 12.6 9.4 14.2

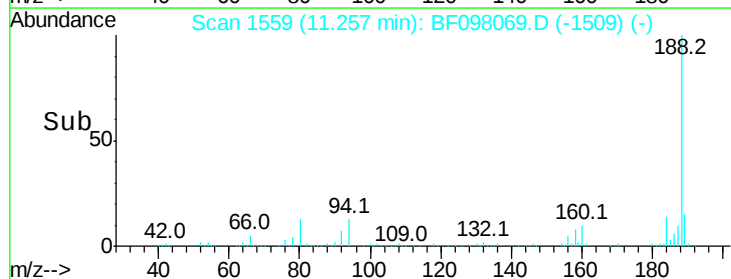
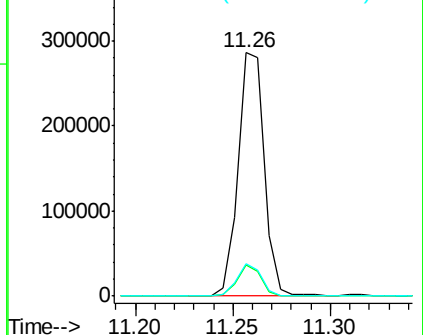
80 13.5 10.2 15.2

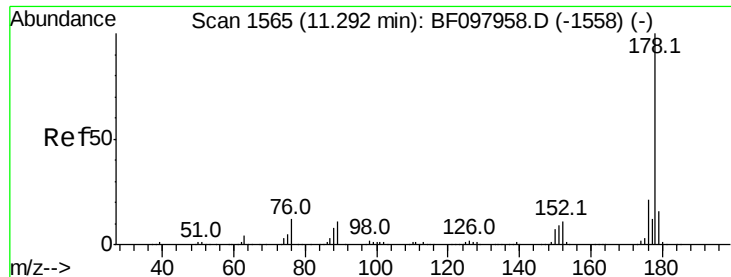


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

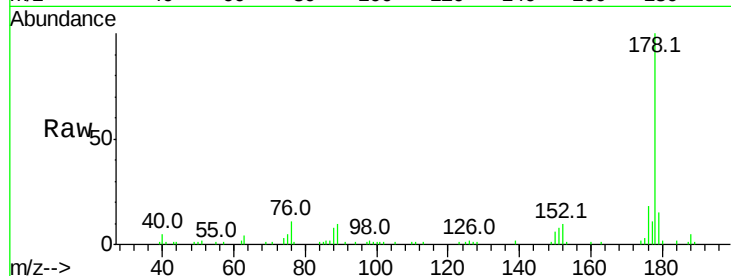




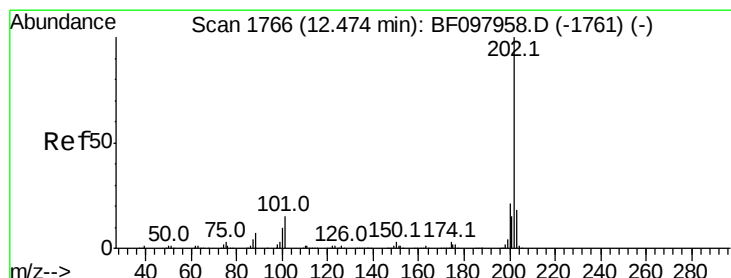
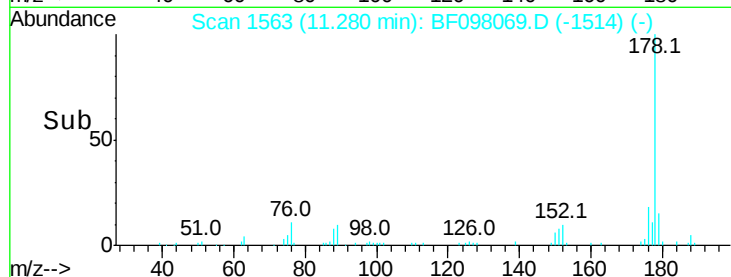
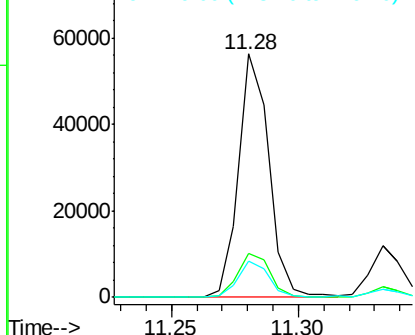
#70
Phenanthrene
Concen: 3.302 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF098069.D
Acq: 28 Aug 2017 15:25

Instrument :
BNA_F
ClientSampleId :
BU-01-082417-B

Tot Ion:178 Resp: 46948
Ion Ratio Lower Upper
178 100
176 18.2 16.2 24.4
179 14.8 12.6 19.0

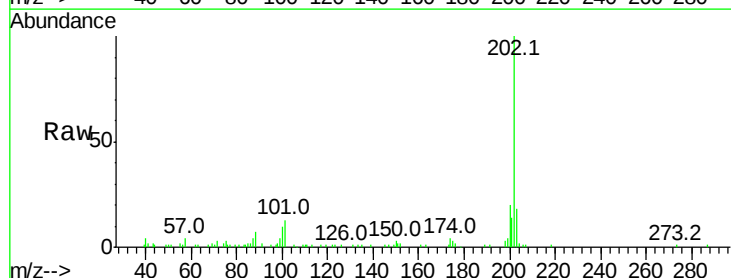


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

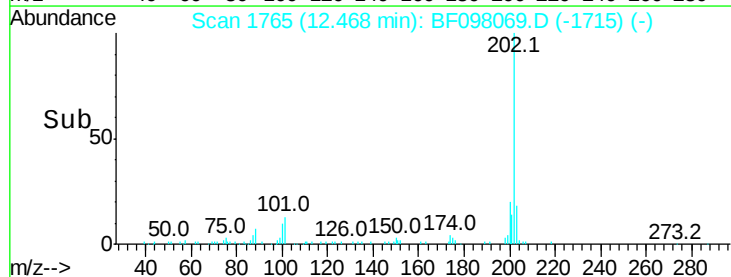
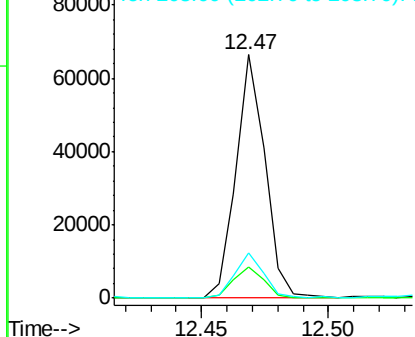


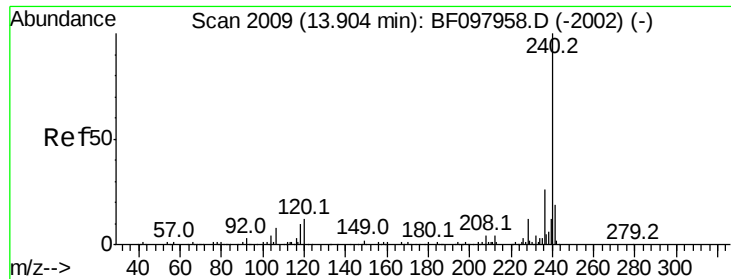
#74
Fluoranthene
Concen: 3.576 ng
RT: 12.47 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF098069.D
Acq: 28 Aug 2017 15:25

Tgt Ion:202 Resp: 53066
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 18.4 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

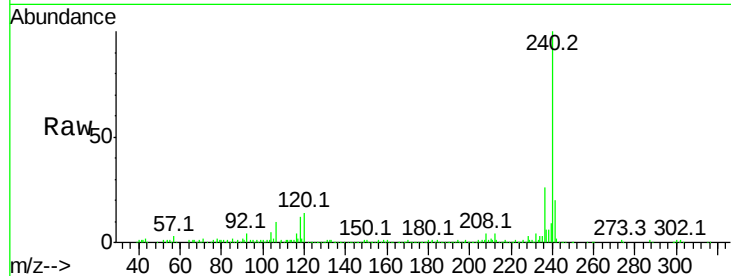
Tot Ion:240 Resp: 217730

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

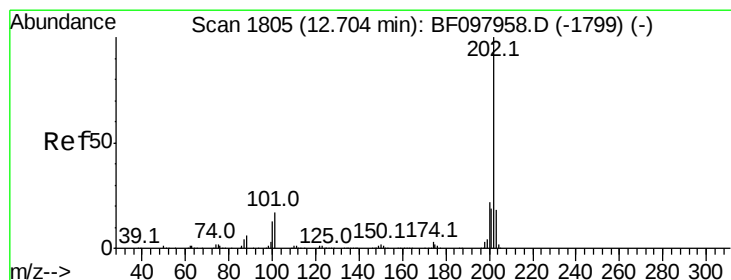
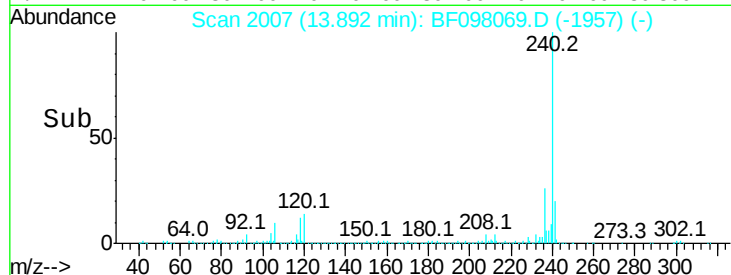
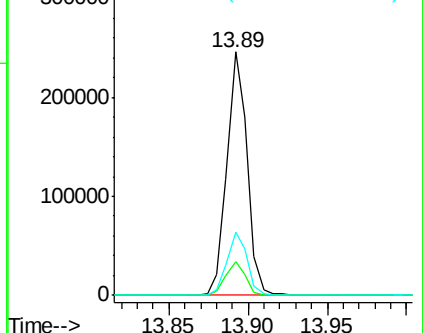
236 25.9 20.5 30.7



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

Pyrene

Concen: 2.407 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

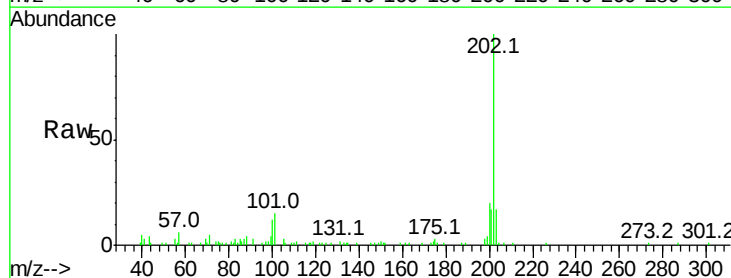
Tgt Ion:202 Resp: 42858

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

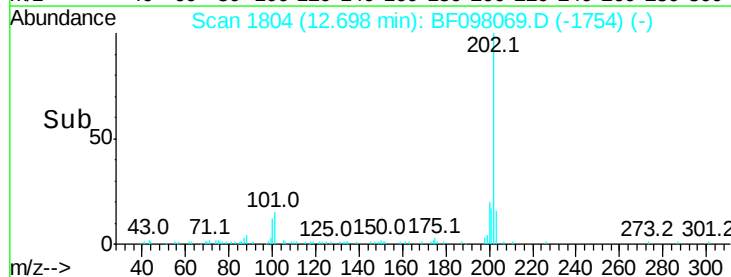
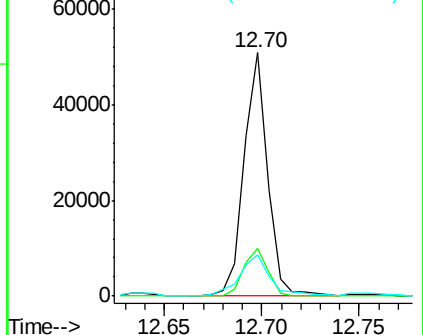
203 16.8 14.4 21.6

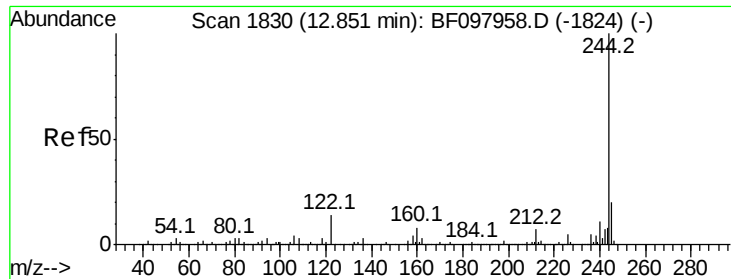


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.717 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

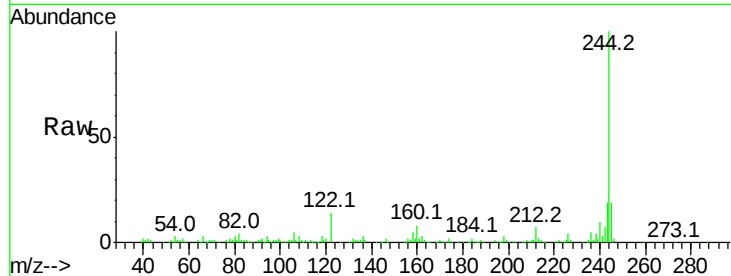
Tot Ion:244 Resp: 153656

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

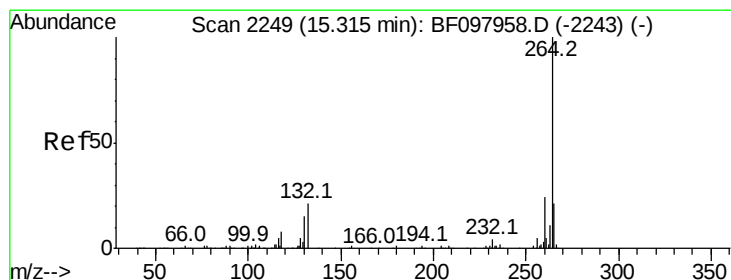
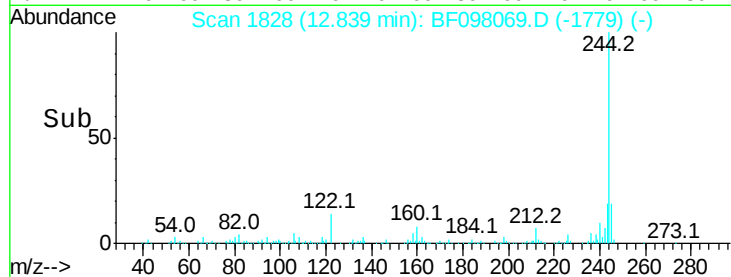
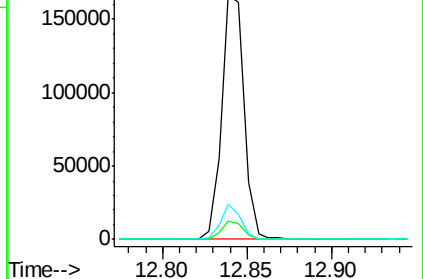
122 14.2 10.3 15.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

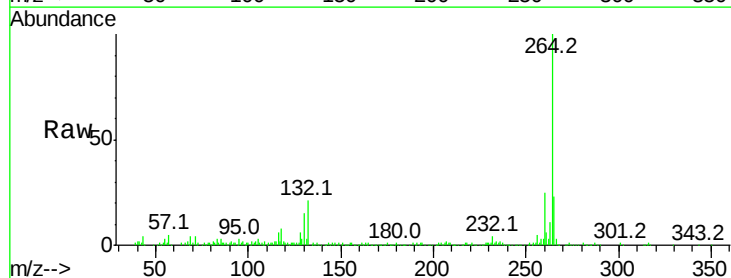
Tgt Ion:264 Resp: 176004

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

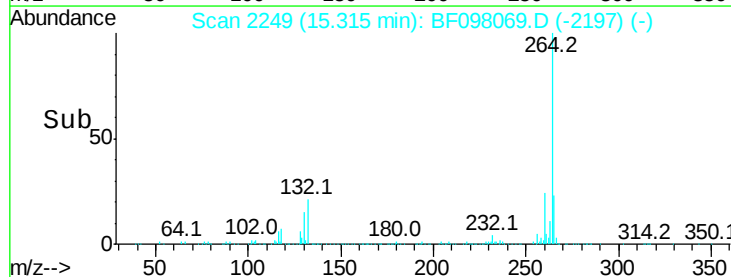
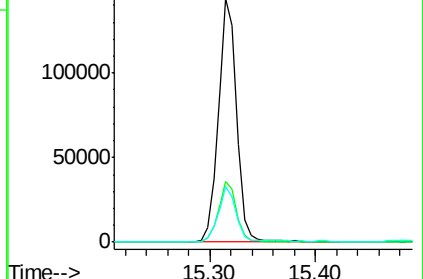
265 22.9 17.2 25.8

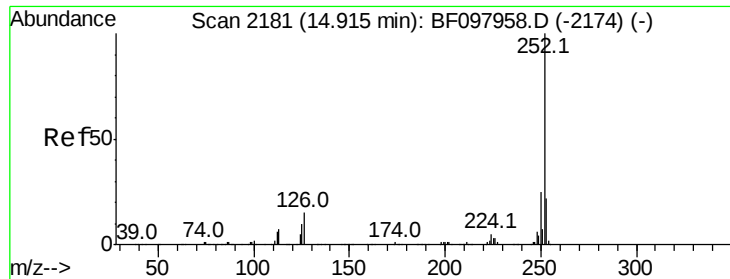


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.591 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

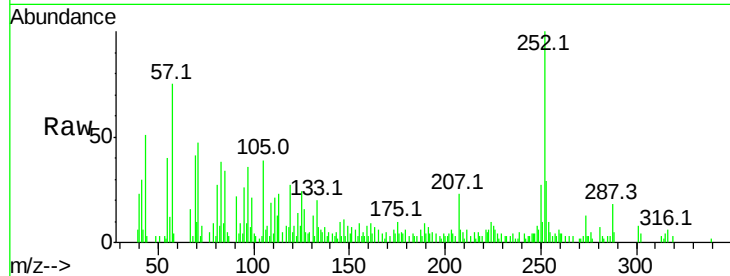
Tot Ion:252 Resp: 28743

Ion Ratio Lower Upper

252 100

253 28.7 18.1 27.1#

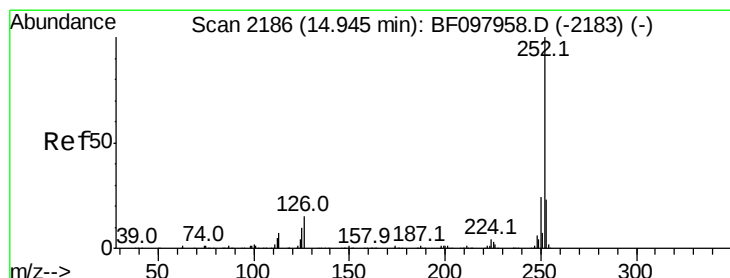
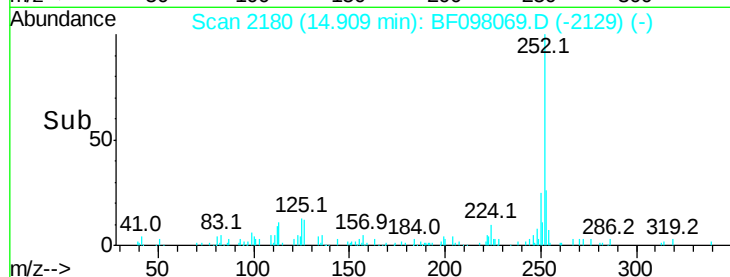
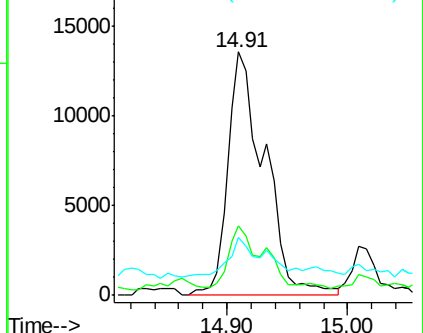
125 23.8 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 2.758 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.03 min

Lab File: BF098069.D

Acq: 28 Aug 2017 15:25

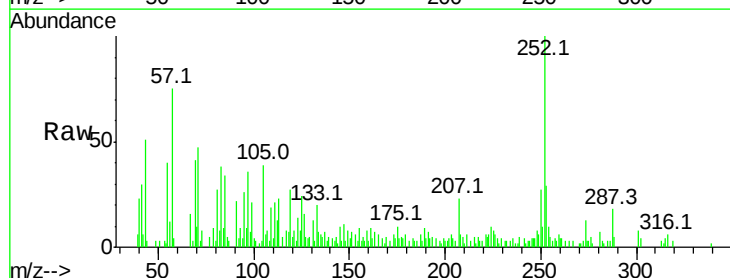
Tgt Ion:252 Resp: 28743

Ion Ratio Lower Upper

252 100

253 28.7 18.4 27.6#

125 23.8 13.1 19.7#



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

