

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112818\
 Data File : BF111054.D
 Acq On : 28 Nov 2018 19:15
 Operator : JU/SJ
 Sample : J6080-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RCA-05

Quant Time: Nov 29 01:28:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	60770	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	244421	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	97663	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	145079	20.00	ng	0.00
76) Chrysene-d12	14.13	240	124404	20.00	ng	0.00
87) Perylene-d12	15.66	264	100501	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	383908	104.76	ng	0.00
7) Phenol-d6	6.56	99	500241	104.75	ng	0.00
23) Nitrobenzene-d5	7.50	82	320347	75.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	78202	80.63	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	499829	74.15	ng	0.00
79) Terphenyl-d14	13.05	244	329691	51.59	ng	0.00

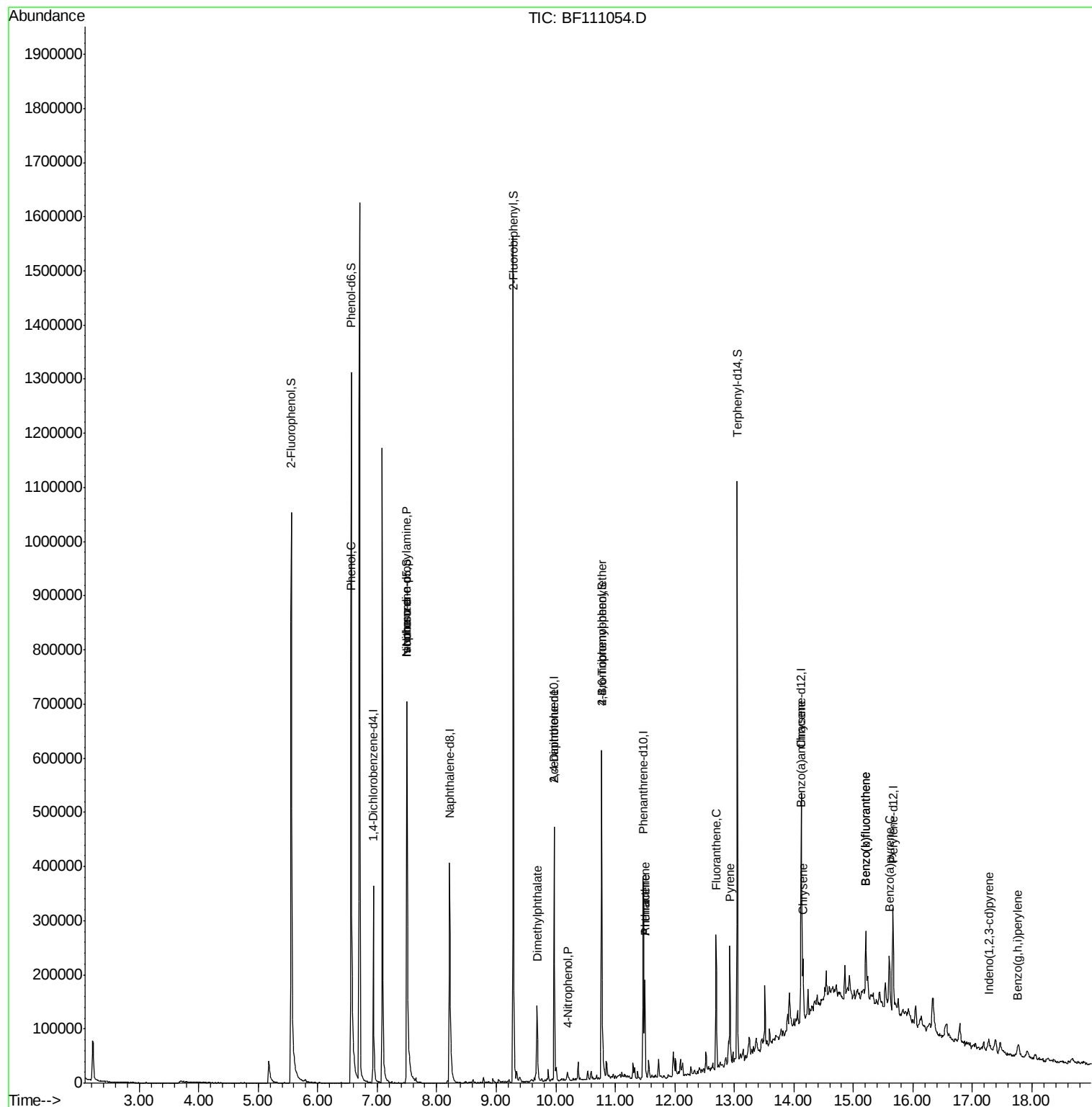
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	995	Below Cal	#	25
10) Phenol	6.57	94	31015	5.767	ng	81
19) n-Nitroso-di-n-propylamine	7.50	70	42011	13.505	ng	82
25) Isophorone	7.50	82	320347	45.727	ng	67
50) Dimethylphthalate	9.69	163	69555	9.711	ng	99
56) 4-Nitrophenol	10.20	139	2512	6.540	ng	6
57) 2,4-Dinitrotoluene	9.97	165	12644	6.112	ng	17
67) 4-Bromophenyl-phenylether	10.77	248	4991	3.159	ng	1
71) Phenanthrene	11.50	178	80933	10.533	ng	99
72) Anthracene	11.50	178	80933	10.343	ng	99
75) Fluoranthene	12.69	202	102034	12.920	ng	98
78) Pyrene	12.93	202	92256	10.153	ng	97
81) Benzo(a)anthracene	14.12	228	50738	6.908	ng	96
83) Chrysene	14.16	228	46886	6.485	ng	97
86) Indeno(1,2,3-cd)pyrene	17.27	276	15846	3.053	ng	# 92
88) Benzo(b)fluoranthene	15.21	252	61963	10.495	ng	# 94
89) Benzo(k)fluoranthene	15.21	252	61963	10.196	ng	# 93
90) Benzo(a)pyrene	15.60	252	30589	5.566	ng	# 91
92) Benzo(g,h,i)perylene	17.76	276	14396	3.293	ng	# 83

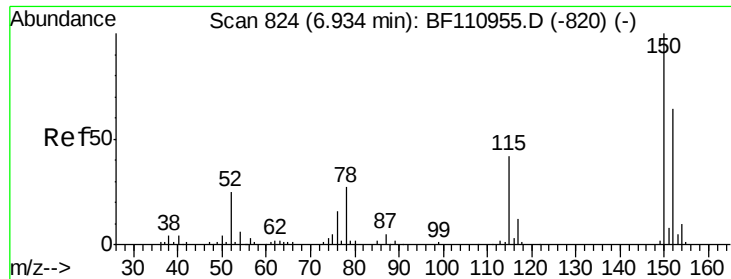
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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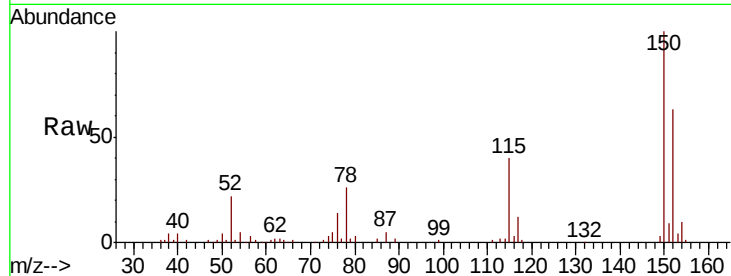




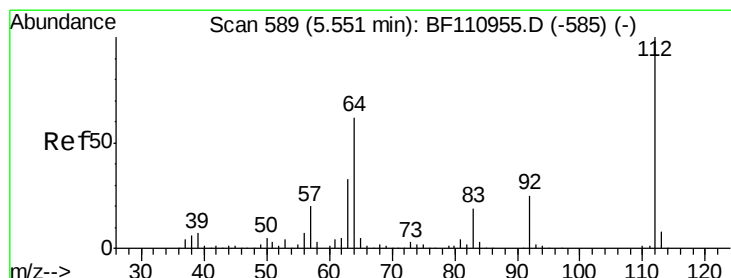
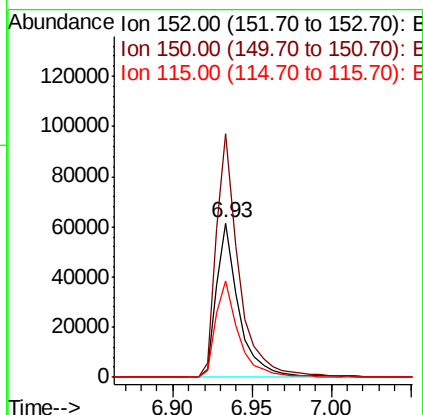
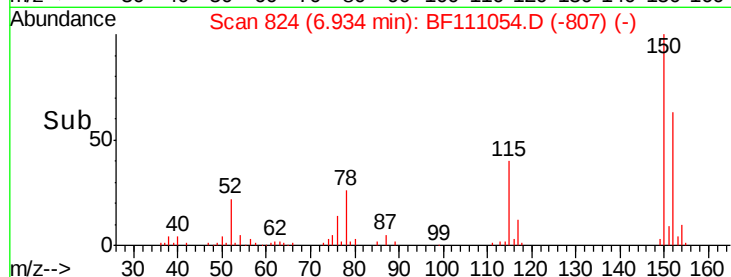
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.93 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Instrument :
 BNA_F
 ClientSampleId :
 RCA-05

Tgt Ion:152 Resp: 60770
 Ion Ratio Lower Upper
 152 100
 150 158.0 122.7 184.1
 115 62.6 49.1 73.7

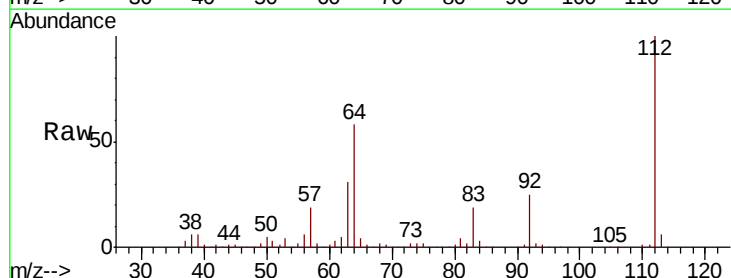


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

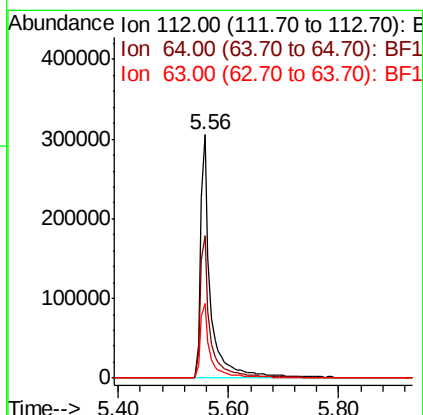
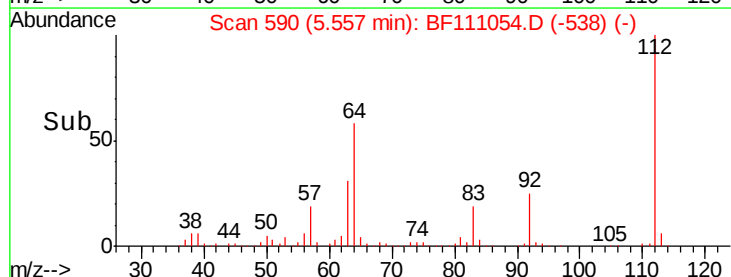


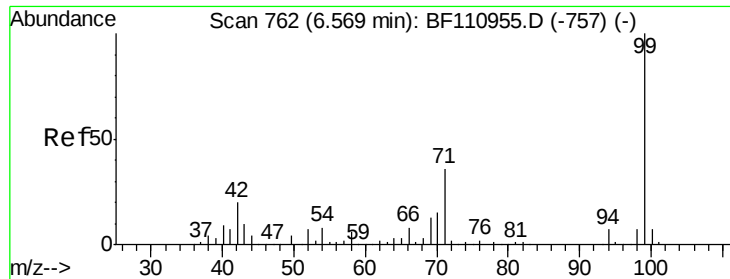
#5
 2-Fluorophenol
 Concen: 104.762 ng
 RT: 5.56 min Scan# 590
 Delta R.T. 0.01 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Tgt Ion:112 Resp: 383908
 Ion Ratio Lower Upper
 112 100
 64 58.4 44.1 66.1
 63 30.9 23.7 35.5



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: 104.751 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Instrument :

BNA_F

ClientSampleId :

RCA-05

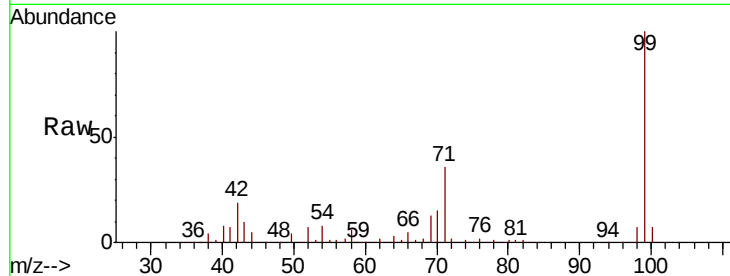
Tgt Ion: 99 Resp: 500241

Ion Ratio Lower Upper

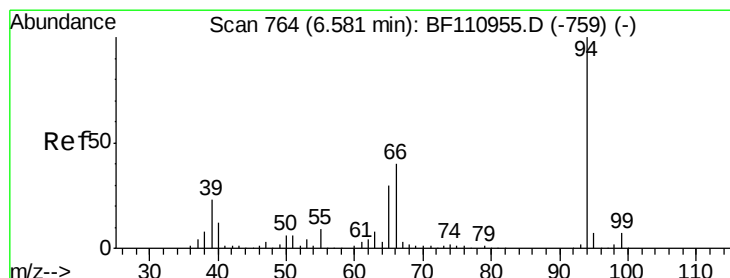
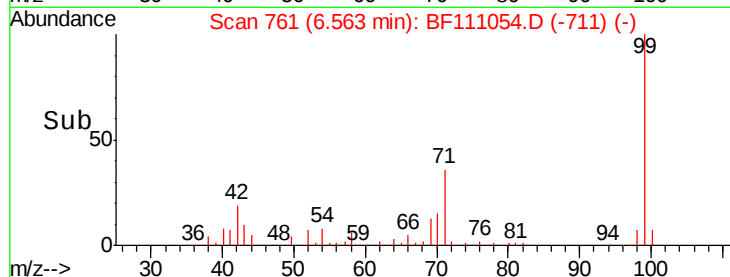
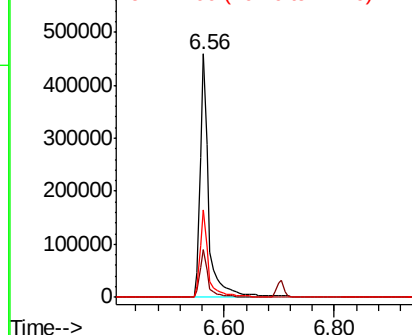
99 100

42 19.4 15.8 23.6

71 35.7 28.0 42.0



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



#10

Phenol

Concen: 5.767 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

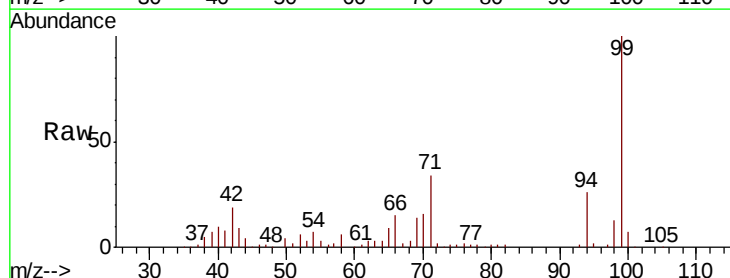
Tgt Ion: 94 Resp: 31015

Ion Ratio Lower Upper

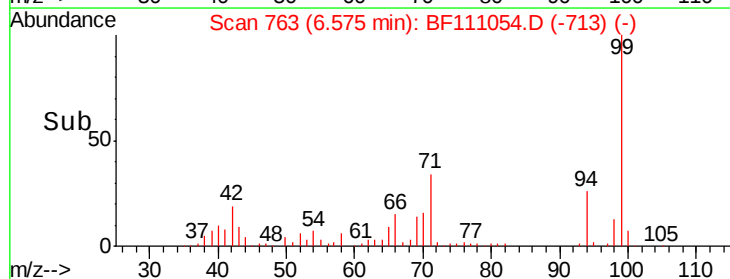
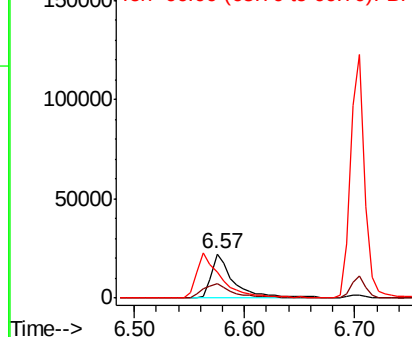
94 100

65 34.1 25.3 65.3

66 57.4 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

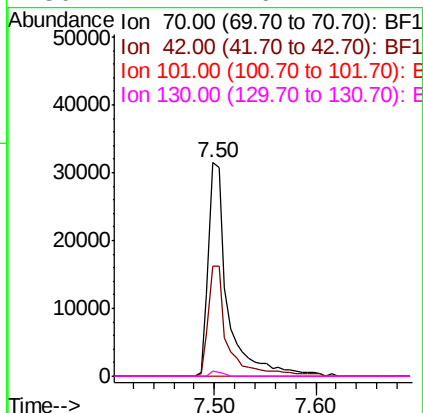
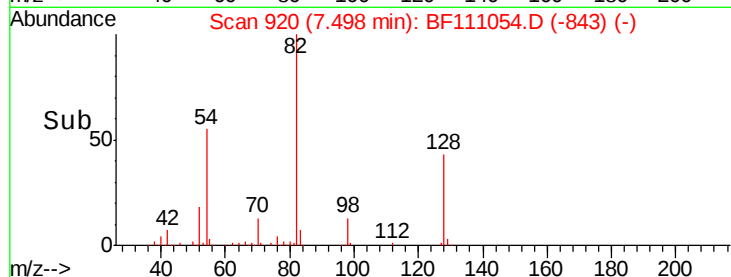
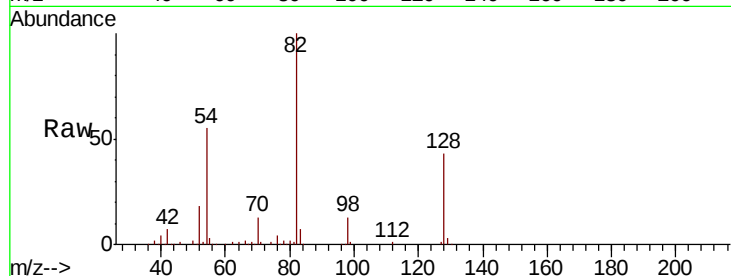




#19
n-Nitroso-di-n-propylamine
Concen: 13.505 ng
RT: 7.50 min Scan# 920
Delta R.T. 0.15 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

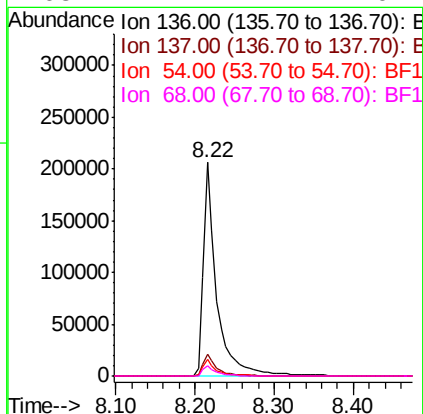
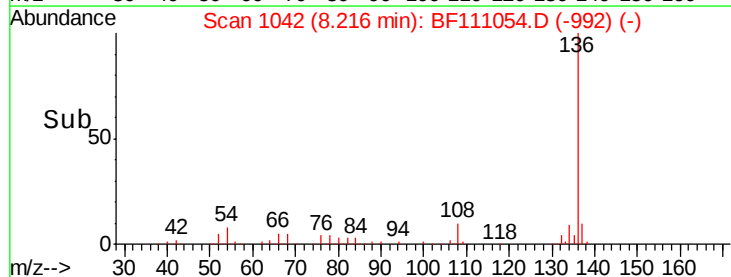
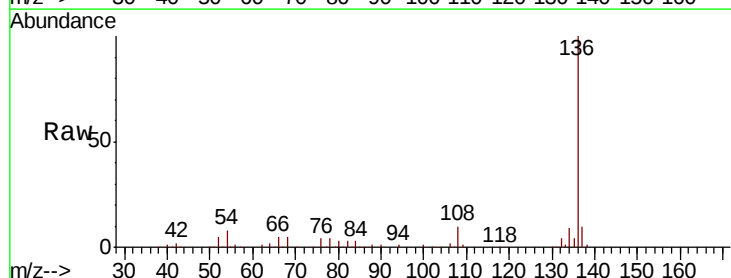
Instrument :
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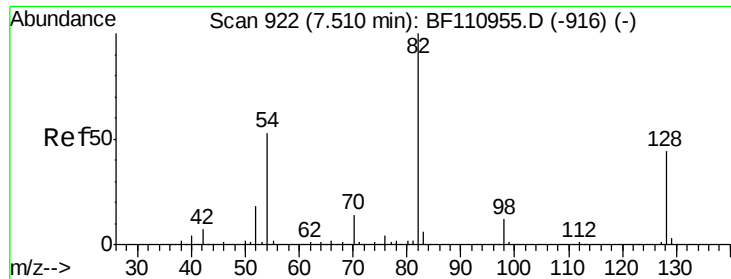
Tgt Ion: 70 Resp: 42011
Ion Ratio Lower Upper
70 100
42 51.6 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Tgt Ion: 136 Resp: 244421
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 7.8 5.4 8.2
68 4.7 4.2 6.2

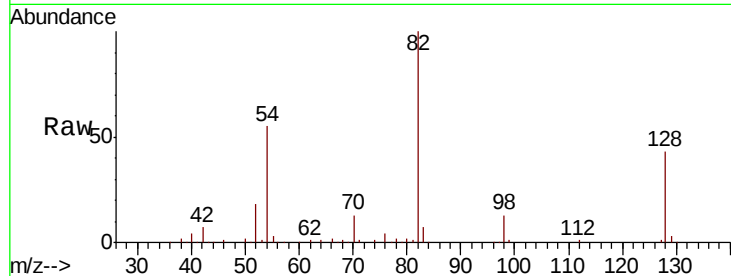




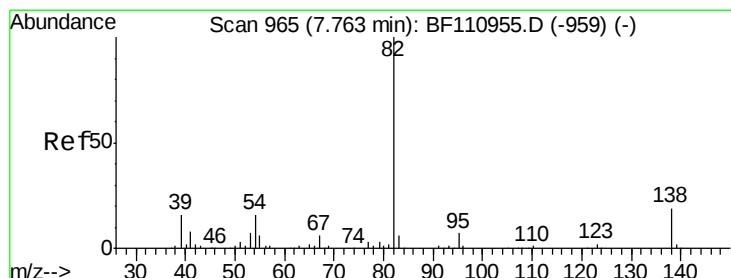
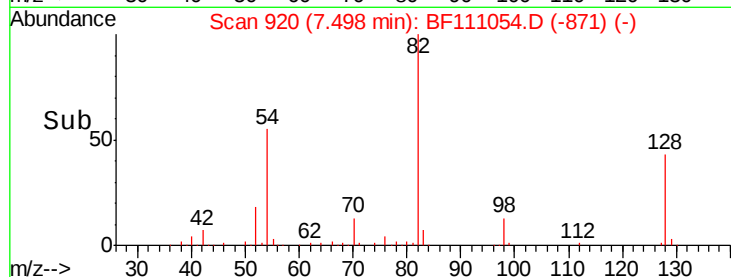
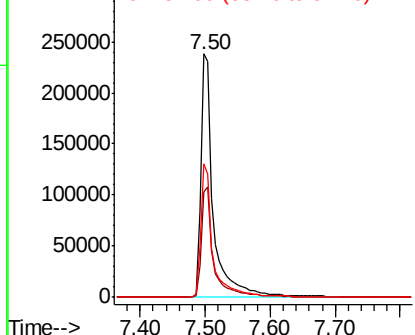
#23
 Nitrobenzene-d5
 Concen: 75.009 ng
 RT: 7.50 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Instrument :
 BNA_F
 ClientSampleId :
 RCA-05

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.2	51.2
54	54.9	38.6	58.0

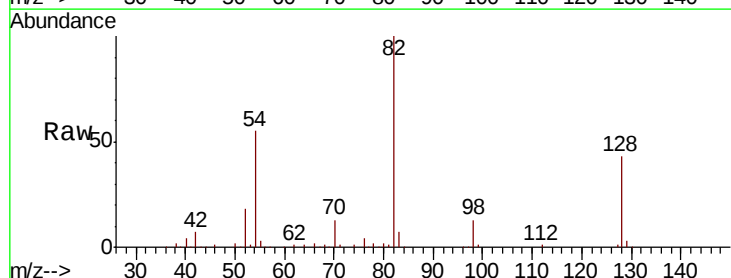


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

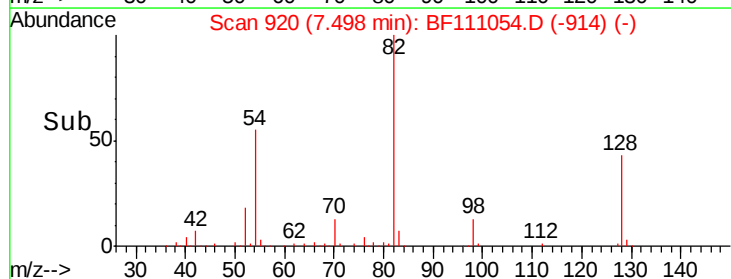
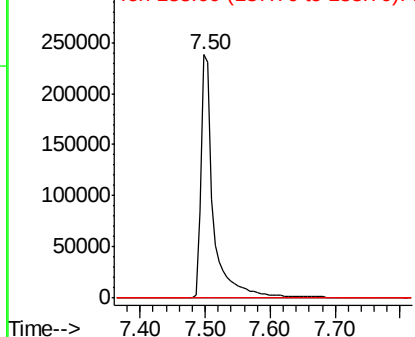


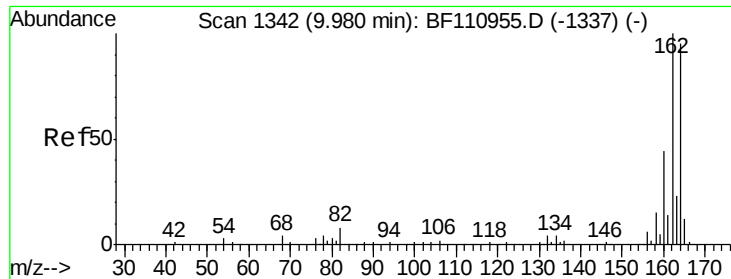
#25
 Isophorone
 Concen: 45.727 ng
 RT: 7.50 min Scan# 920
 Delta R.T. -0.26 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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

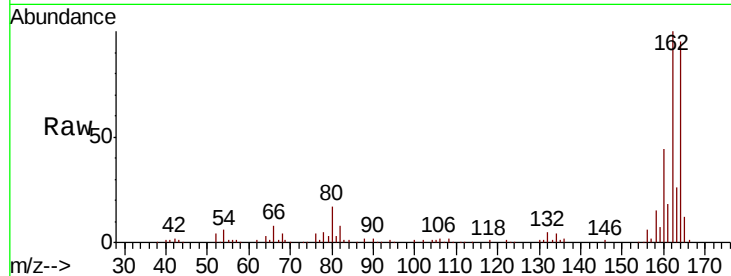




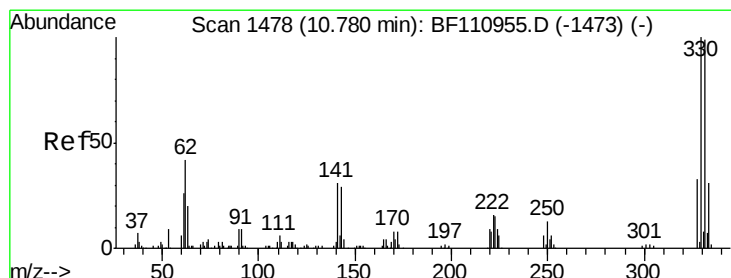
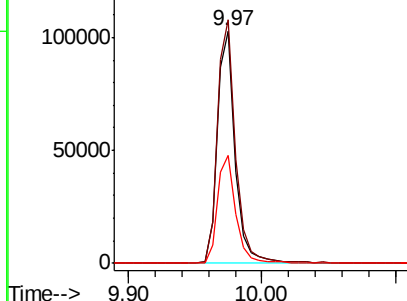
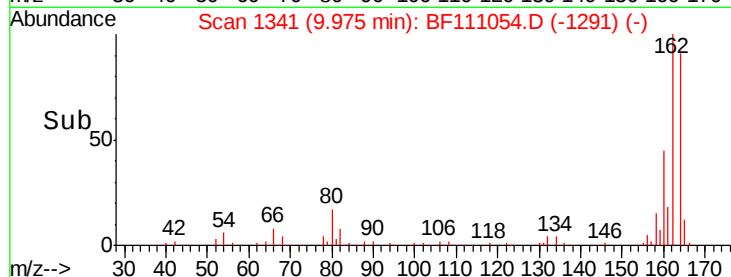
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.01 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Instrument :
 BNA_F
 ClientSampled :
 RCA-05

Tgt Ion:164 Resp: 97663
 Ion Ratio Lower Upper
 164 100
 162 104.9 83.0 124.6
 160 46.6 37.0 55.6

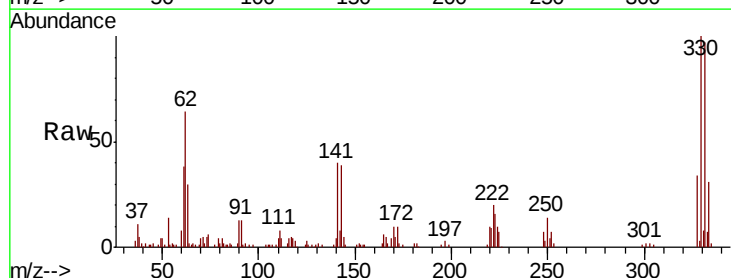


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

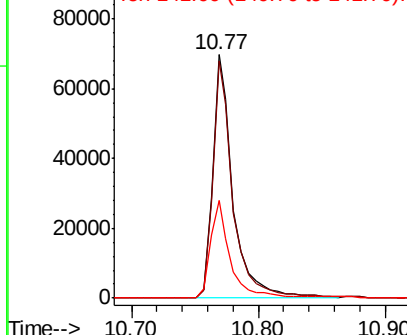
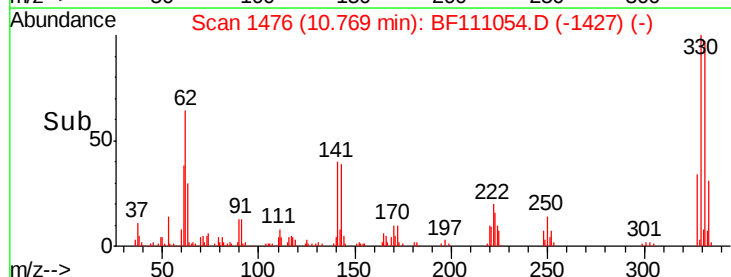


#42
 2,4,6-Tribromophenol
 Concen: 80.627 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Tgt Ion:330 Resp: 78202
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.1 115.7
 141 39.6 27.0 40.4



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

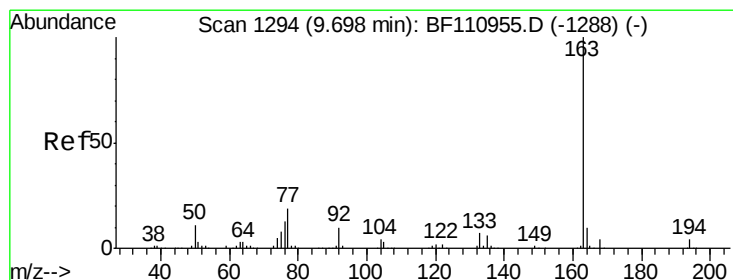
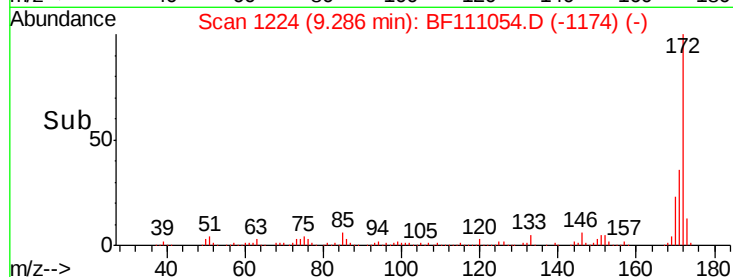
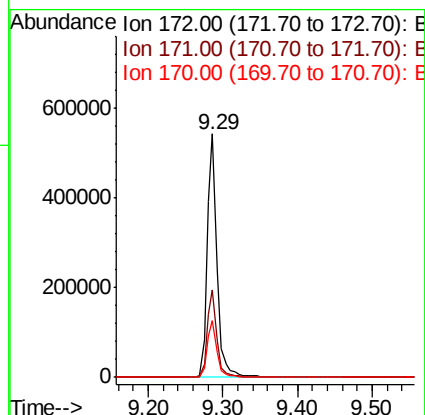
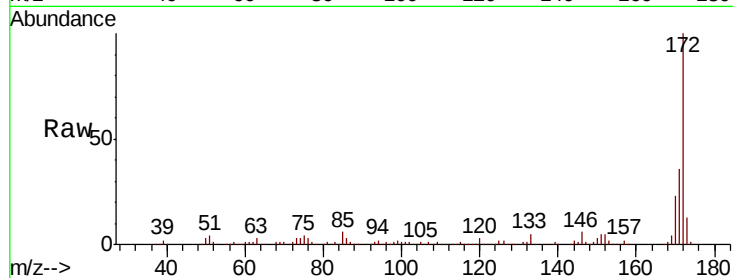




#45
 2-Fluorobiphenyl
 Concen: 74.147 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

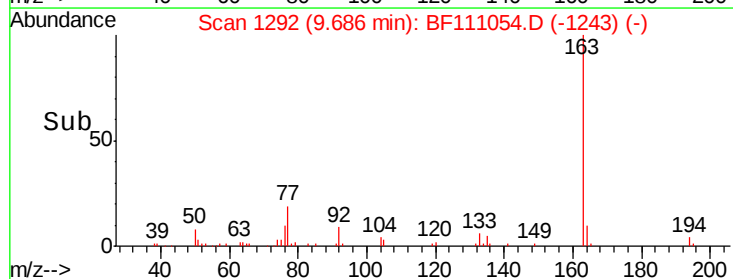
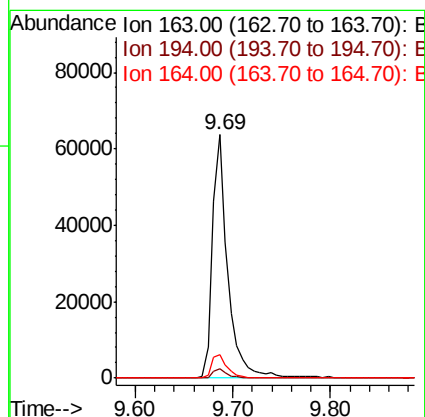
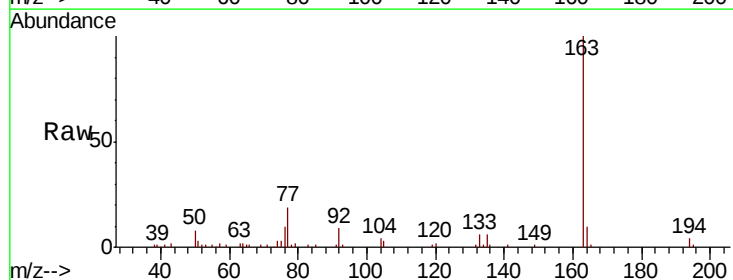
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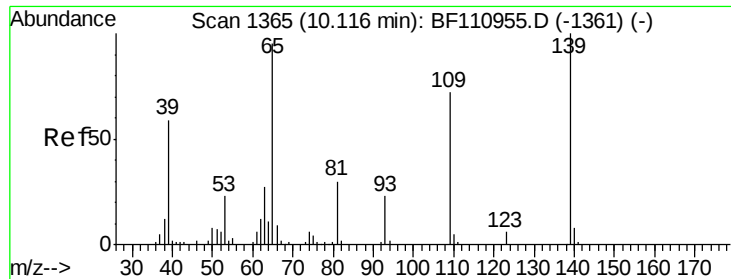
Tgt Ion:172 Resp: 499829
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 23.4 19.7 29.5



#50
 Dimethylphthalate
 Concen: 9.711 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF111054.D
 Acq: 28 Nov 2018 19:15

Tgt Ion:163 Resp: 69555
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.2 4.8
 164 9.6 8.1 12.1

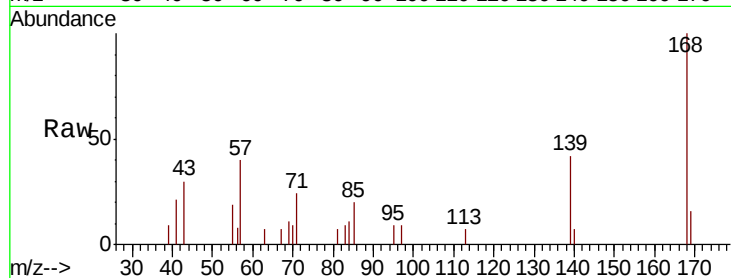




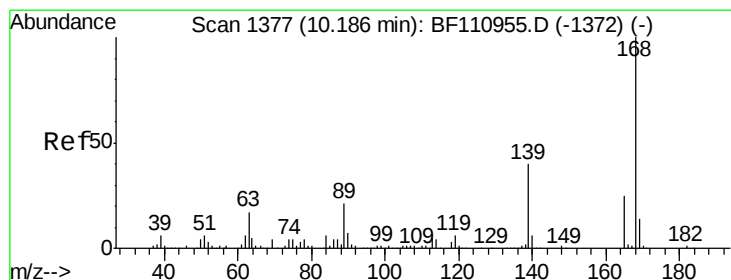
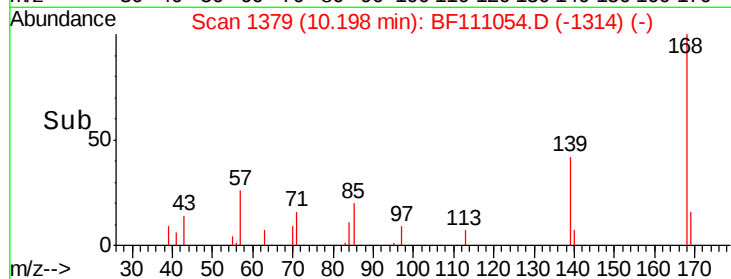
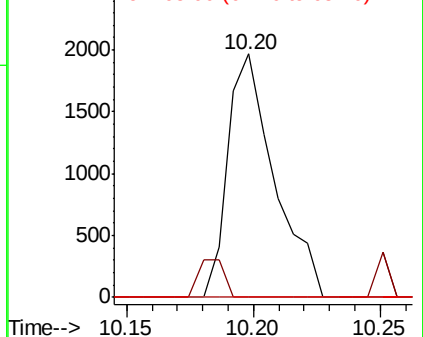
#56
4-Nitrophenol
Concen: 6.540 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.08 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Instrument :
BNA_F
ClientSampled :
RCA-05

Tgt Ion:139 Resp: 2512
Ion Ratio Lower Upper
139 100
109 0.0 55.8 95.8#
65 0.0 77.9 117.9#

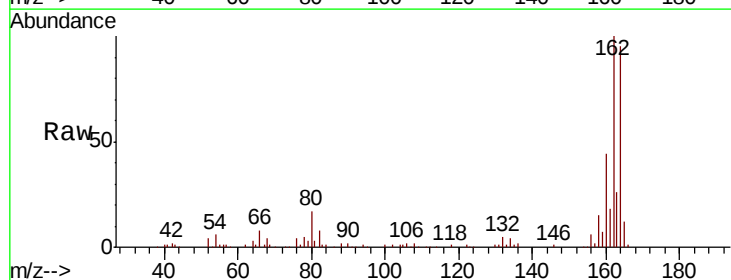


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

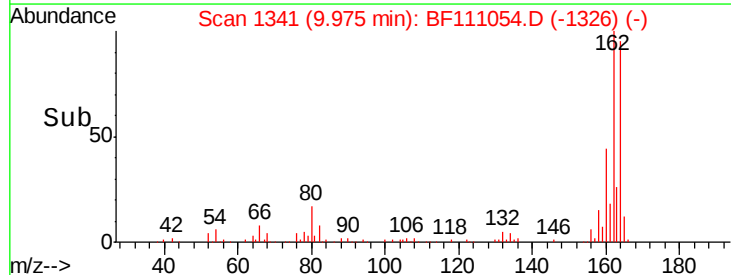
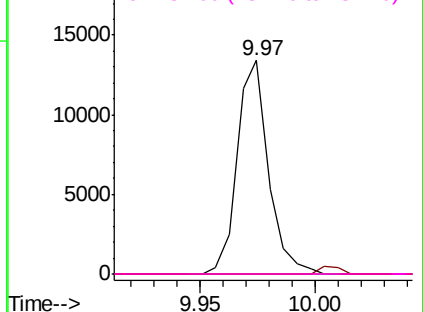


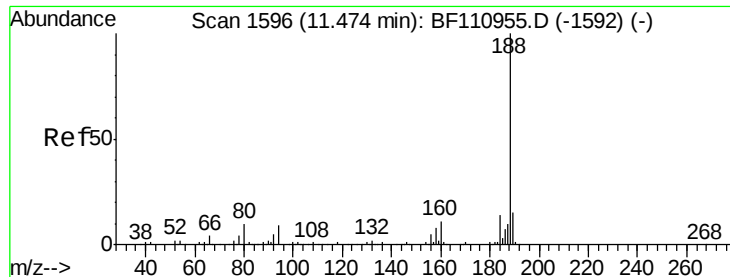
#57
2,4-Dinitrotoluene
Concen: 6.112 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.21 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Tgt Ion:165 Resp: 12644
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 0.0 62.2 93.4#
182 0.0 2.1 3.1#



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

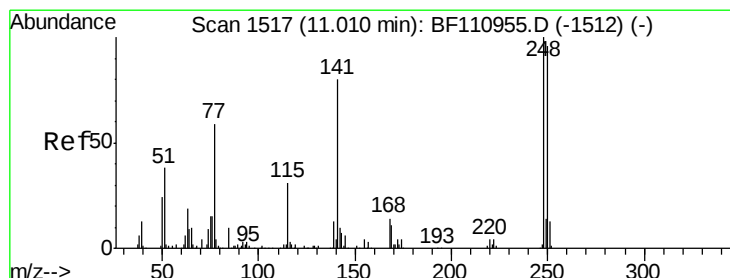
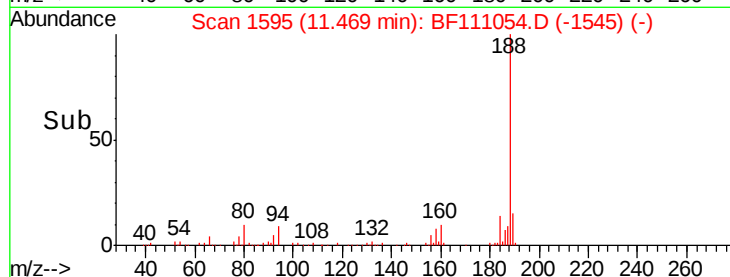
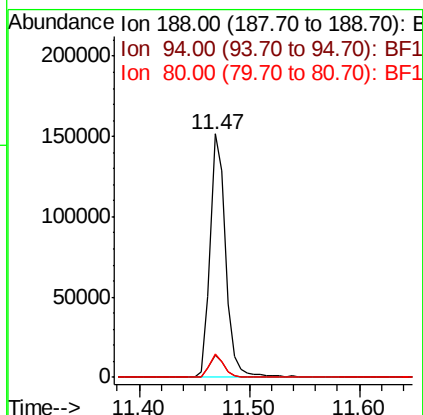
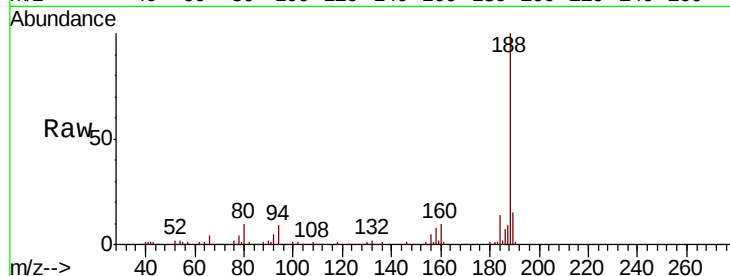




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

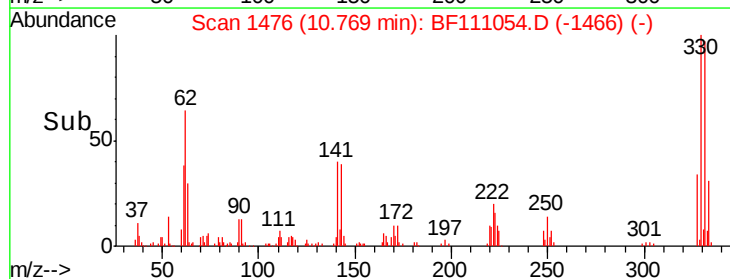
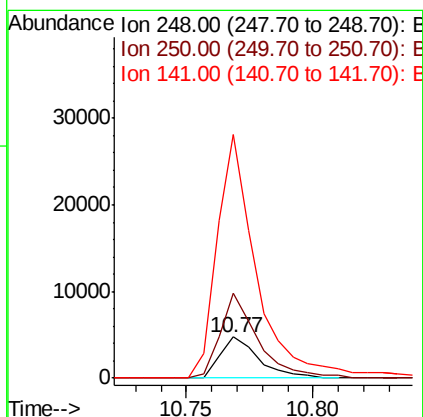
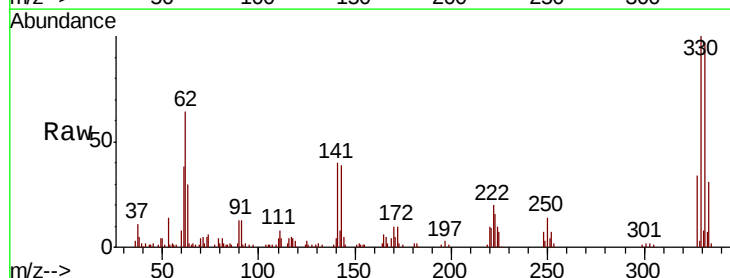
Instrument :
BNA_F
ClientSampleId :
RCA-05

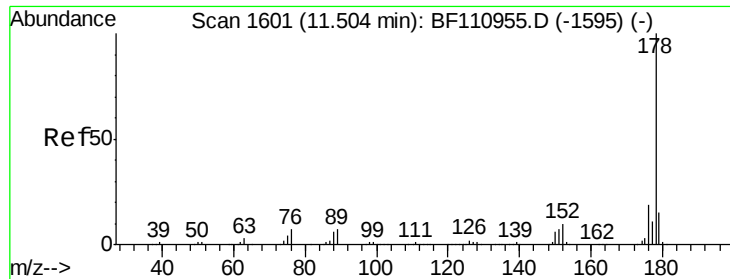
Tgt Ion:188 Resp: 145079
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.6 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.159 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.24 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Tgt Ion:248 Resp: 4991
Ion Ratio Lower Upper
248 100
250 206.5 79.4 119.2#
141 592.5 55.9 83.9#

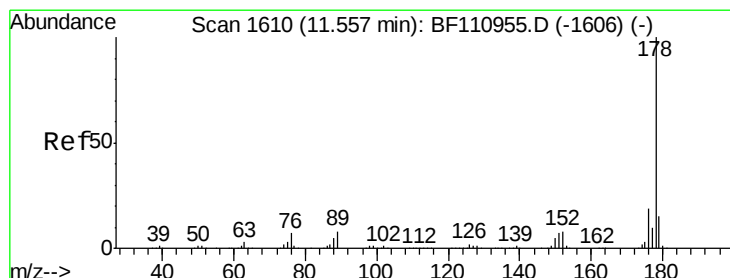
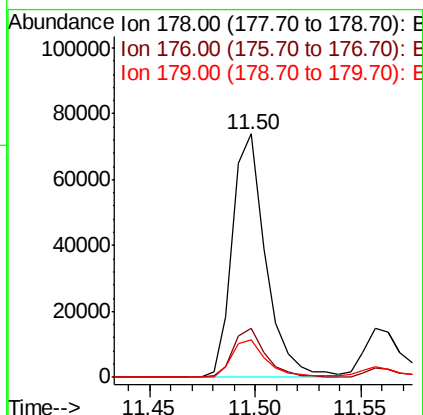
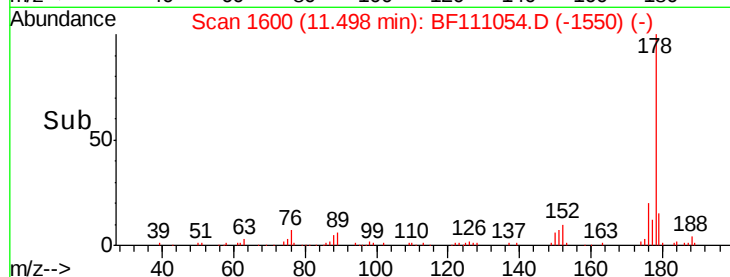
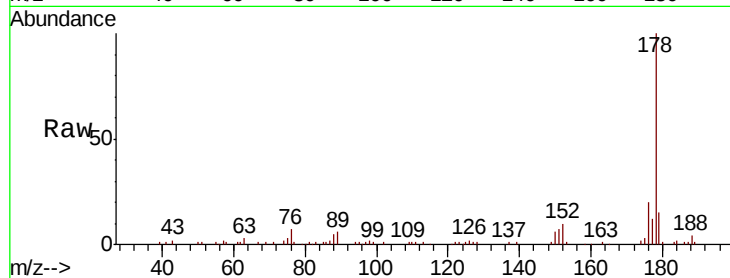




#71
Phenanthrene
Concen: 10.533 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

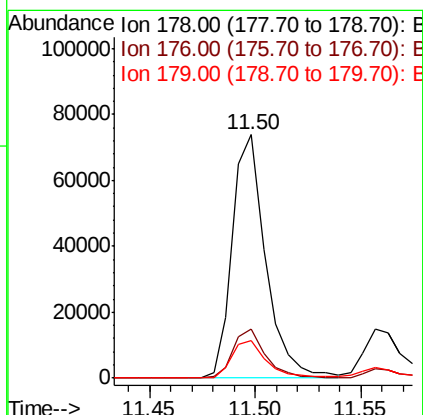
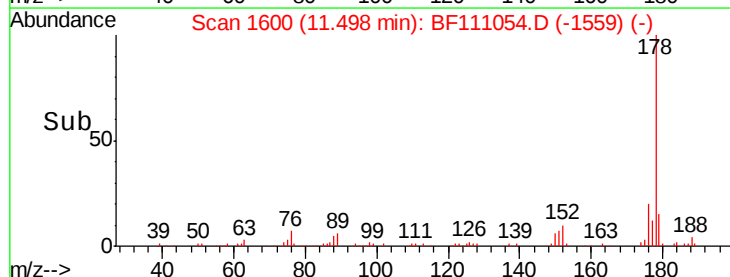
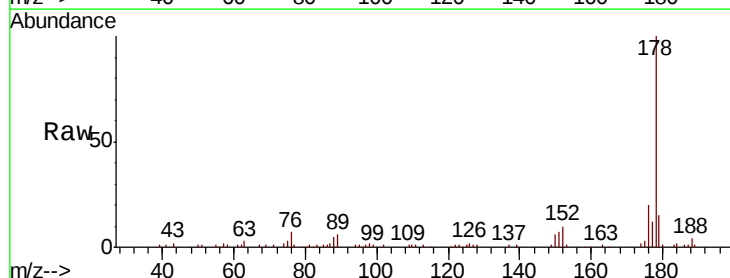
Instrument :
BNA_F
ClientSampleId :
RCA-05

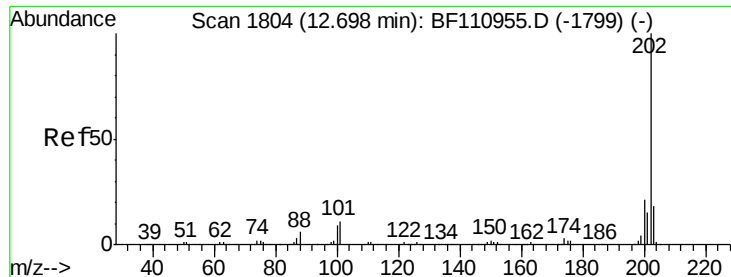
Tgt Ion:178 Resp: 80933
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 15.4 12.5 18.7



#72
Anthracene
Concen: 10.343 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.06 min
Lab File: BF111054.D
Acq: 28 Nov 2018 19:15

Tgt Ion:178 Resp: 80933
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 15.4 12.6 18.8





#75

Fluoranthene

Concen: 12.920 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Instrument :

BNA_F

ClientSampled :

RCA-05

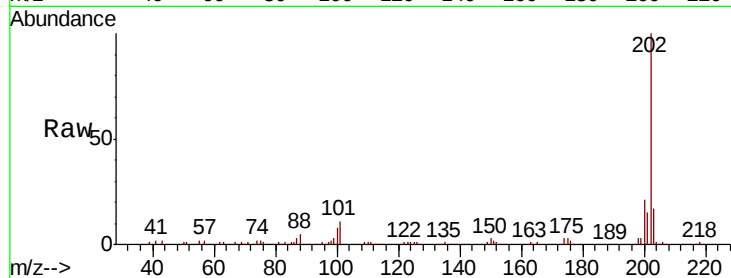
Tgt Ion: 202 Resp: 102034

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

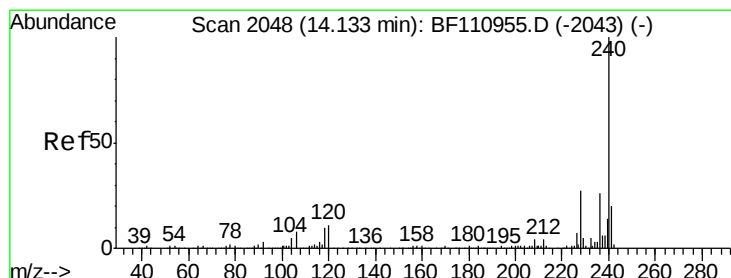
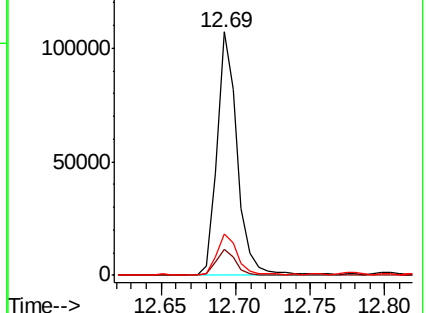
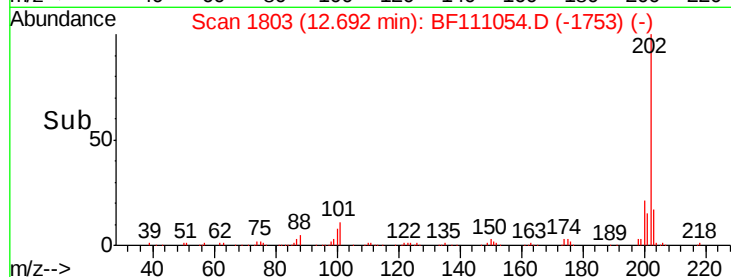
203 17.0 0.0 37.7



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: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

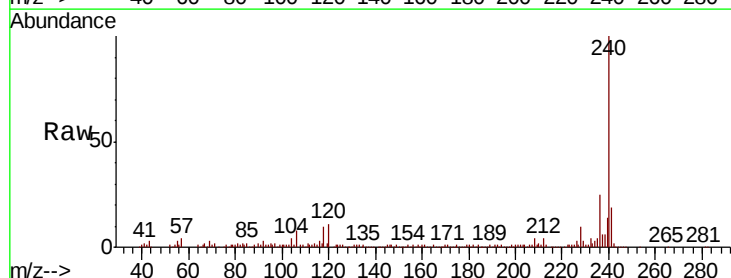
Tgt Ion: 240 Resp: 124404

Ion Ratio Lower Upper

240 100

120 10.7 8.3 12.5

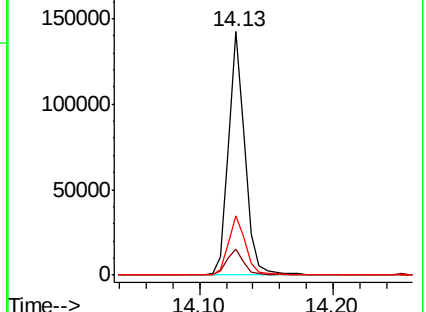
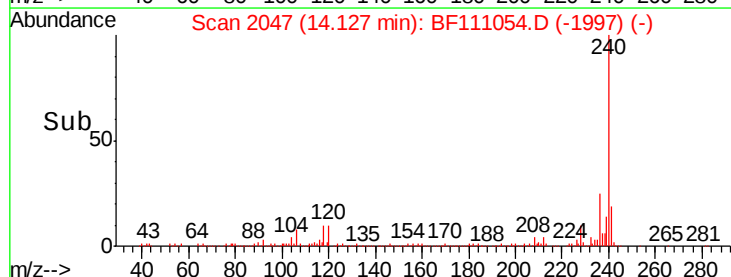
236 24.5 21.2 31.8

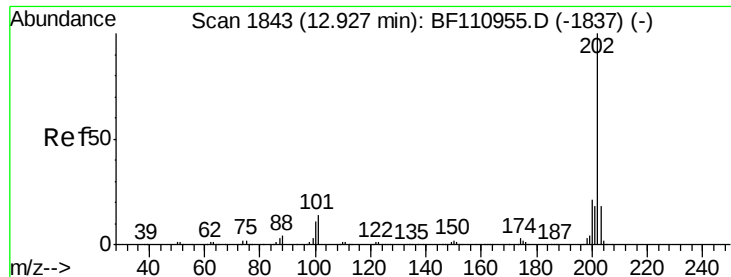


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 10.153 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Instrument :

BNA_F

ClientSampleId :

RCA-05

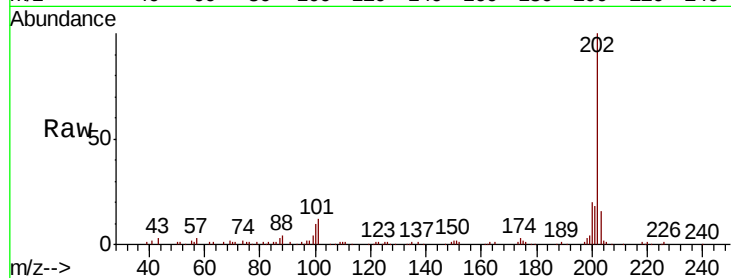
Tgt Ion:202 Resp: 92256

Ion Ratio Lower Upper

202 100

200 20.4 17.8 26.6

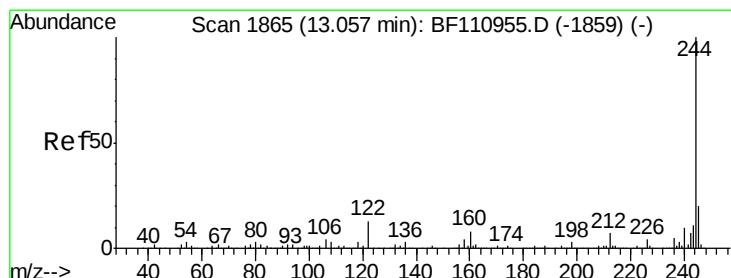
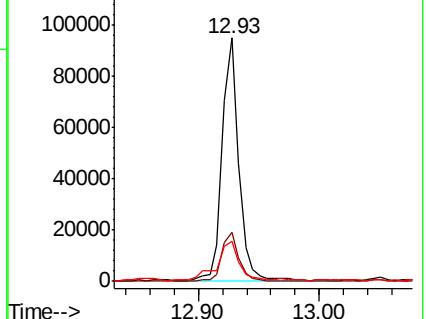
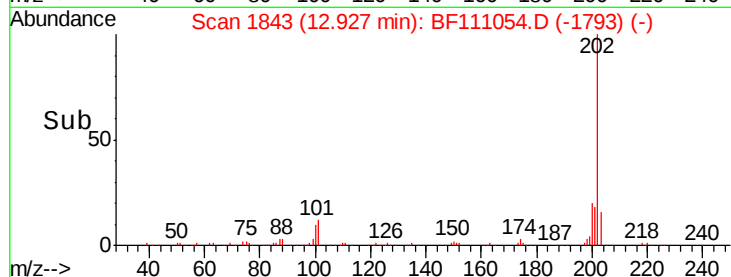
203 16.5 14.2 21.4



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



#79

Terphenyl-d14

Concen: 51.589 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

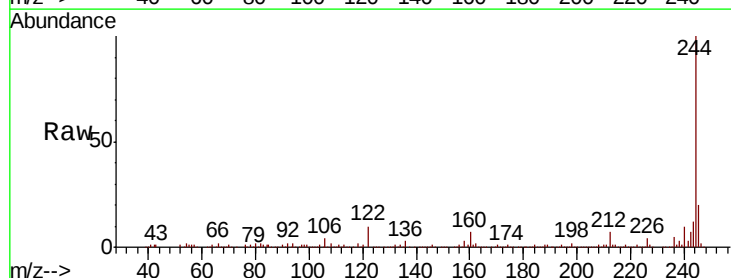
Tgt Ion:244 Resp: 329691

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

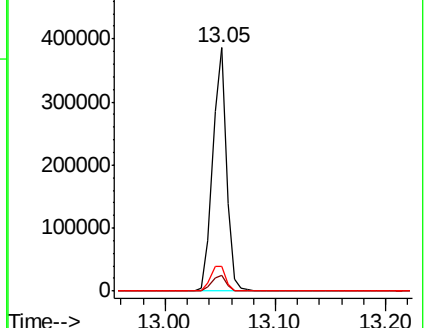
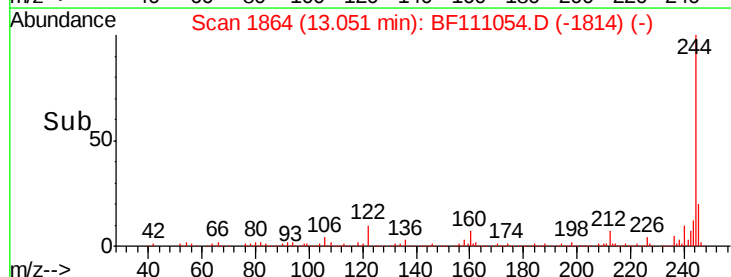
122 10.4 8.7 13.1

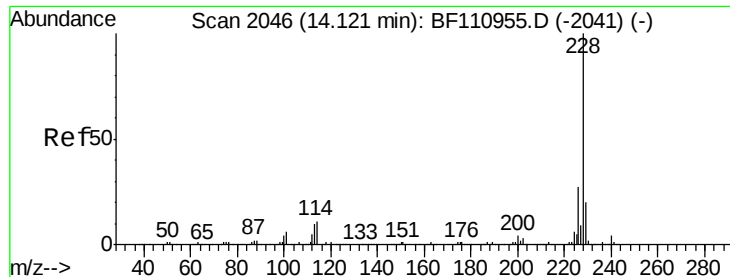


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.908 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Instrument :

BNA_F

ClientSampleId :

RCA-05

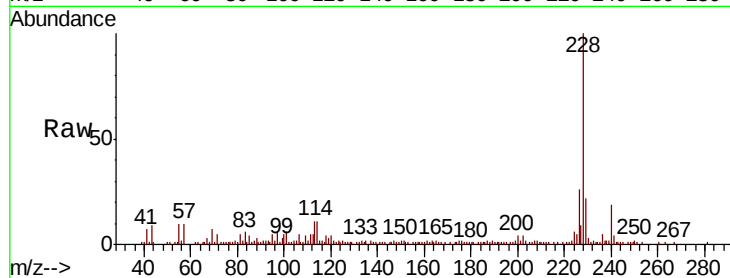
Tgt Ion:228 Resp: 50738

Ion Ratio Lower Upper

228 100

226 25.8 22.1 33.1

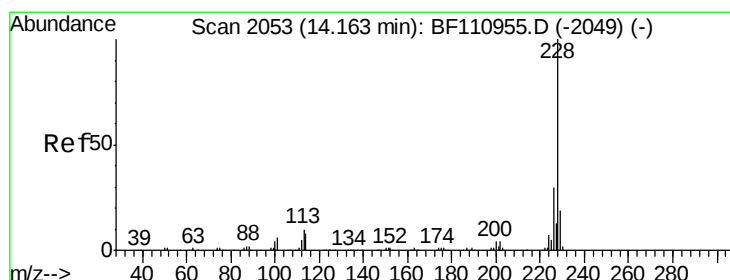
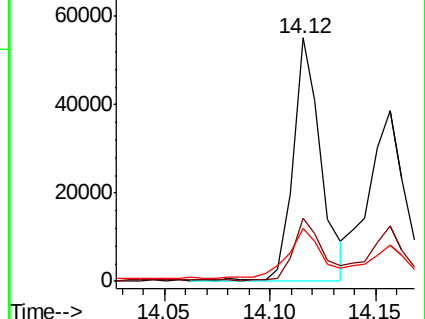
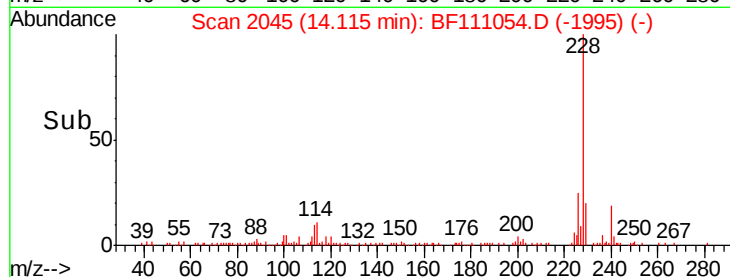
229 21.6 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.485 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

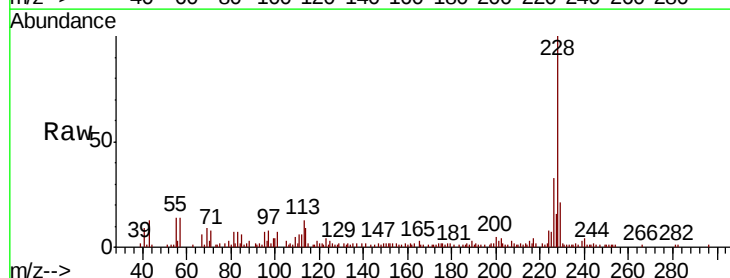
Tgt Ion:228 Resp: 46886

Ion Ratio Lower Upper

228 100

226 32.8 24.7 37.1

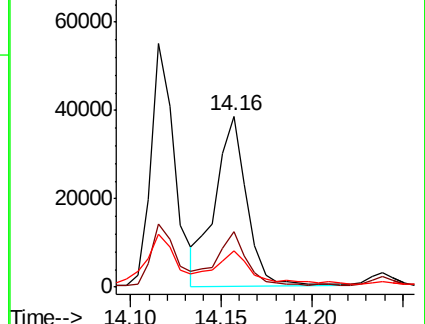
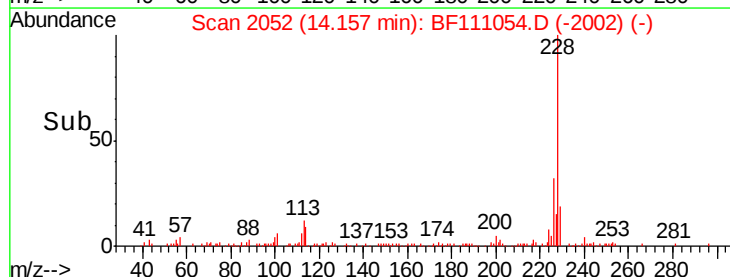
229 21.2 15.9 23.9

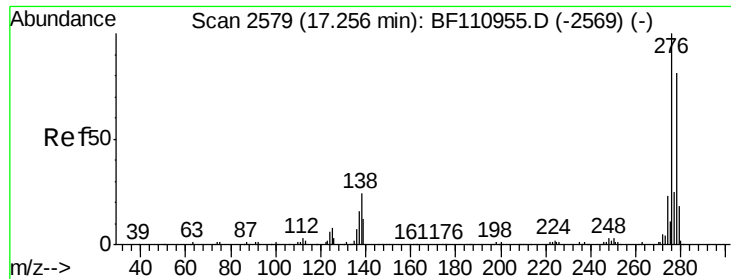


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.053 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.02 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Instrument :

BNA_F

ClientSampleId :

RCA-05

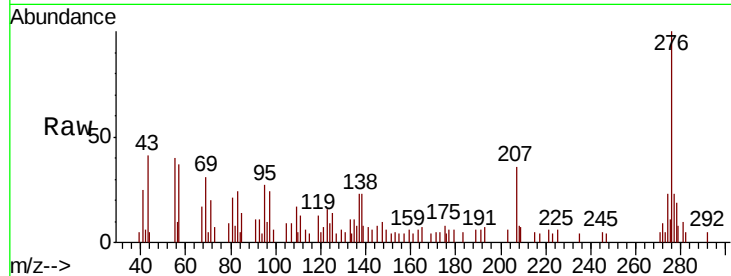
Tgt Ion:276 Resp: 15846

Ion Ratio Lower Upper

276 100

138 28.0 18.5 27.7#

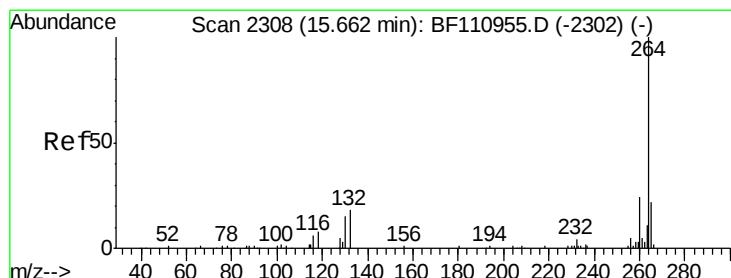
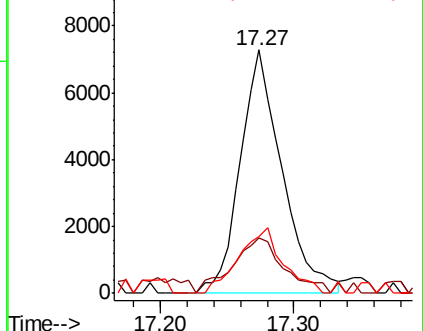
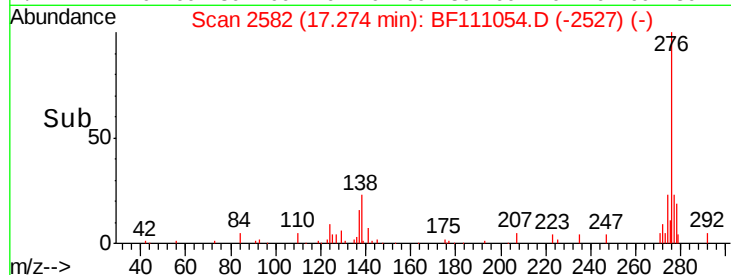
277 28.4 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. -0.01 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

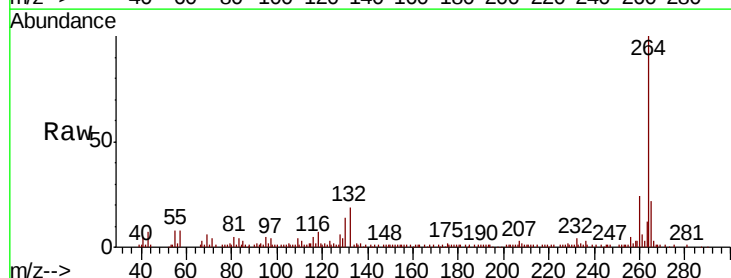
Tgt Ion:264 Resp: 100501

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

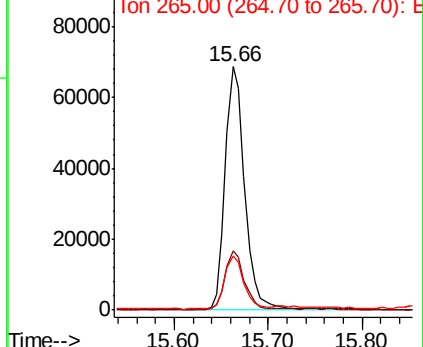
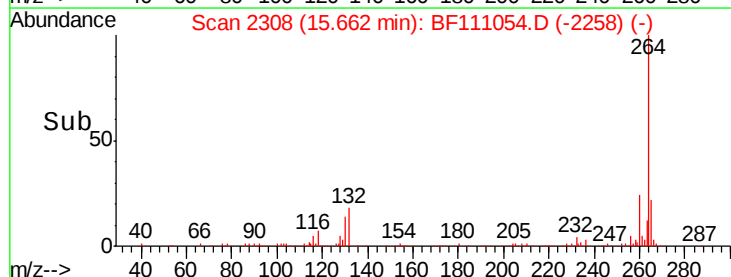
265 22.5 16.7 25.1

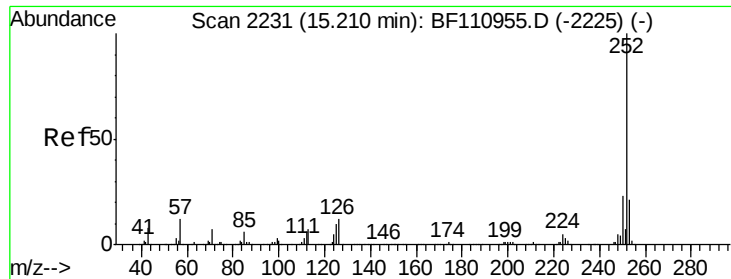


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 10.495 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.00 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Instrument :

BNA_F

ClientSampleId :

RCA-05

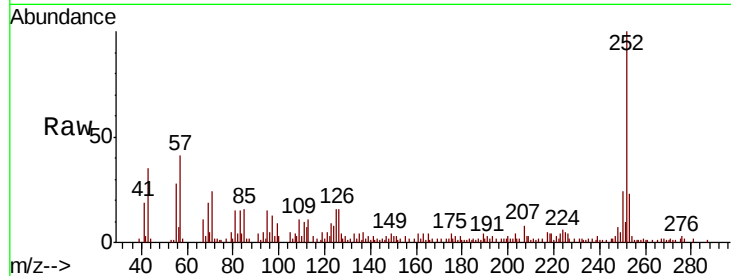
Tgt Ion:252 Resp: 61963

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

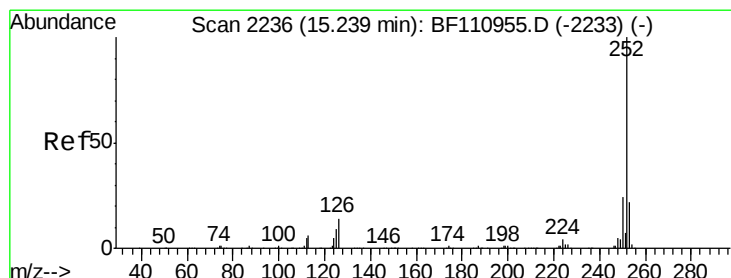
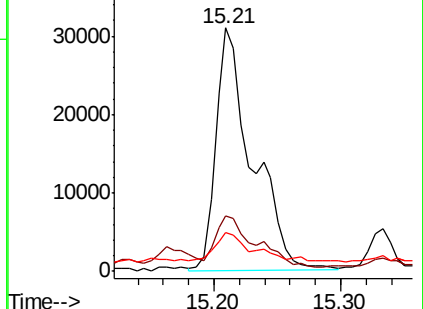
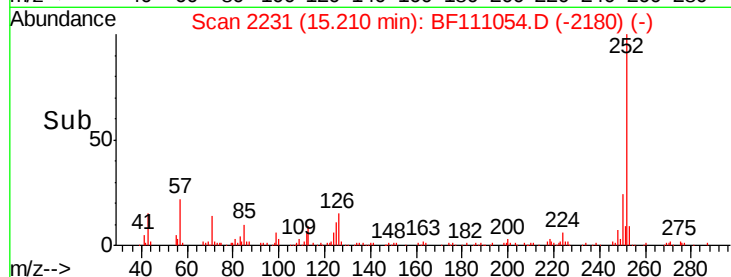
125 15.8 8.2 12.4#



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: 10.196 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.03 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

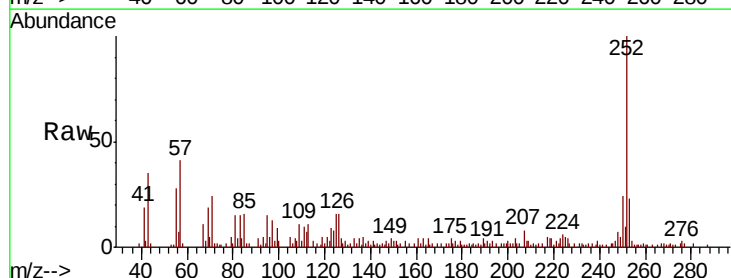
Tgt Ion:252 Resp: 61963

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

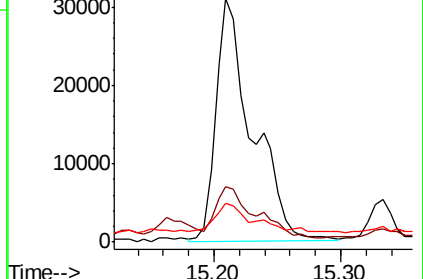
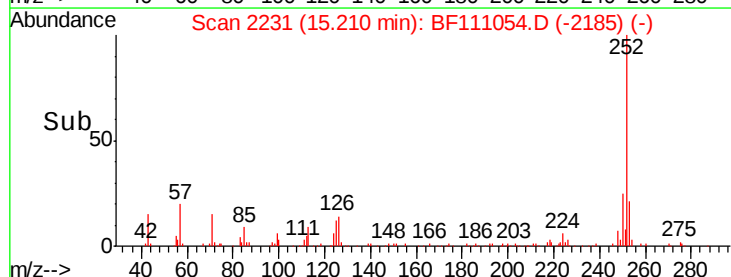
125 15.8 7.4 11.0#

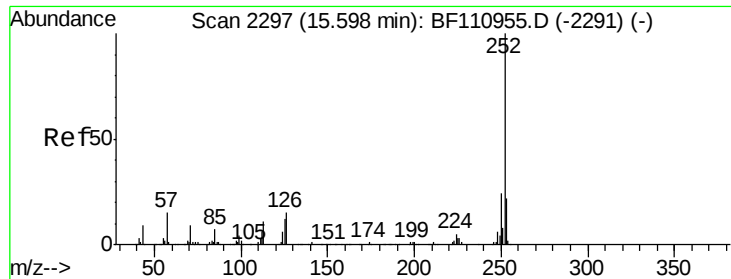


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 5.566 ng

RT: 15.60 min Scan# 2298

Delta R.T. -0.00 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

Instrument :

BNA_F

ClientSampleId :

RCA-05

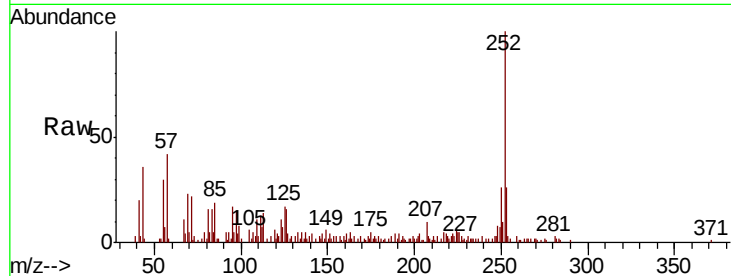
Tgt Ion:252 Resp: 30589

Ion Ratio Lower Upper

252 100

253 25.6 18.2 27.4

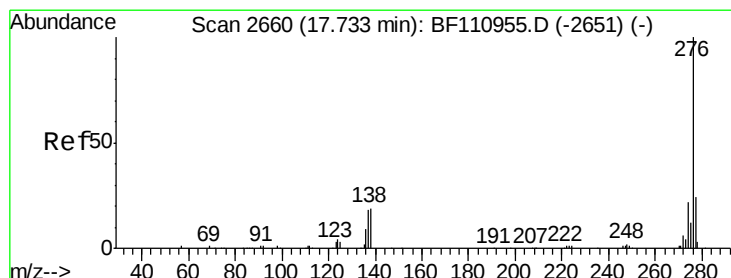
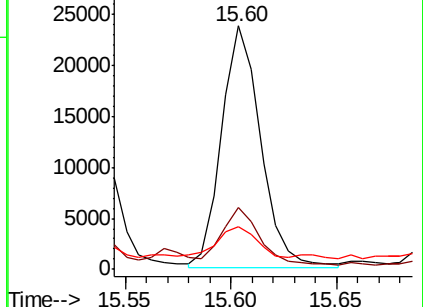
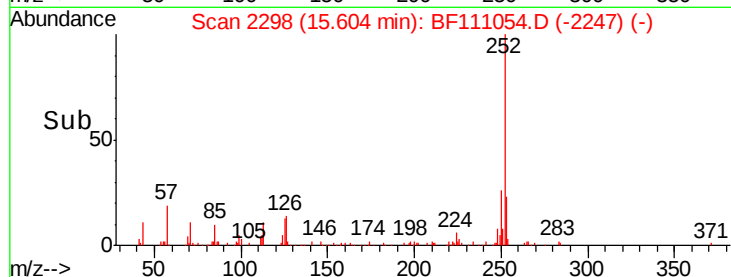
125 17.5 9.0 13.6#



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



#92

Benzo(g,h,i)perylene

Concen: 3.293 ng

RT: 17.76 min Scan# 2665

Delta R.T. 0.02 min

Lab File: BF111054.D

Acq: 28 Nov 2018 19:15

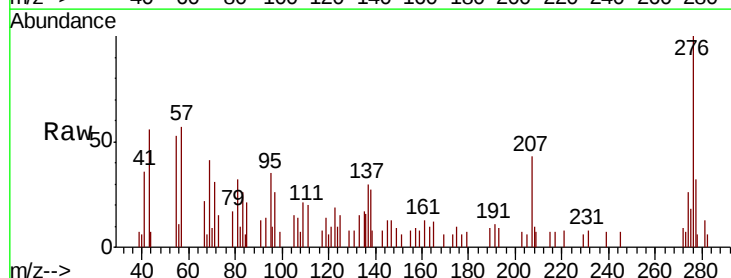
Tgt Ion:276 Resp: 14396

Ion Ratio Lower Upper

276 100

277 31.8 18.8 28.2#

138 27.4 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

