

Data File : BF093181.D
Acq On : 25 Feb 2017 9:48
Operator : SJ/MA
Sample : I1973-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

Quant Time: Feb 26 23:39:38 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	153844	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	579958	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	242183	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	371657	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	304170	20.00	ng	-0.01
86) Perylene-d12	15.44	264	274903	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1087378	121.26	ng	-0.01
7) Phenol-d6	6.48	99	1255255	108.79	ng	-0.01
23) Nitrobenzene-d5	7.40	82	777589	74.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	206232	117.74	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1257279	94.05	ng	-0.01
78) Terphenyl-d14	12.95	244	717594	55.43	ng	-0.02

Target Compounds						Qvalue
10) Phenol	6.49	94	86015	6.37	ng	# 73
19) n-Nitroso-di-n-propylamine	7.40	70	101719	13.85	ng	# 85
25) Isophorone	7.40	82	692909	35.70	ng	# 65
49) Dimethylphthalate	9.60	163	111916	6.86	ng	99
55) 4-Nitrophenol	10.09	139	6363	2.19	ng	# 4
56) 2,4-Dinitrotoluene	9.88	165	32206	6.87	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	418	2.84	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	16211	4.17	ng	# 1
70) Phenanthrene	11.39	178	304053	14.28	ng	97
71) Anthracene	11.44	178	76727	3.59	ng	98
74) Fluoranthene	12.58	202	410747	18.70	ng	92
77) Pyrene	12.81	202	373635	16.41	ng	97
80) Benzo(a)anthracene	14.00	228	193782	10.42	ng	96
82) Chrysene	14.00	228	193782	11.13	ng	100
85) Indeno(1,2,3-cd)pyrene	16.84	276	72173	5.35	ng	97
87) Benzo(b)fluoranthene	15.03	252	266818	14.75	ng	97
88) Benzo(k)fluoranthene	15.03	252	266818	17.08	ng	96
89) Benzo(a)pyrene	15.38	252	144327	9.22	ng	98
91) Benzo(g,h,i)perylene	17.27	276	64084	5.01	ng	# 93

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

Data File : BF093181.D

Acq On : 25 Feb 2017 9:48

Operator : SJ/MA

Sample : I1973-03

Misc :

ALS Vial : 34 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

E2-Z5W-SW

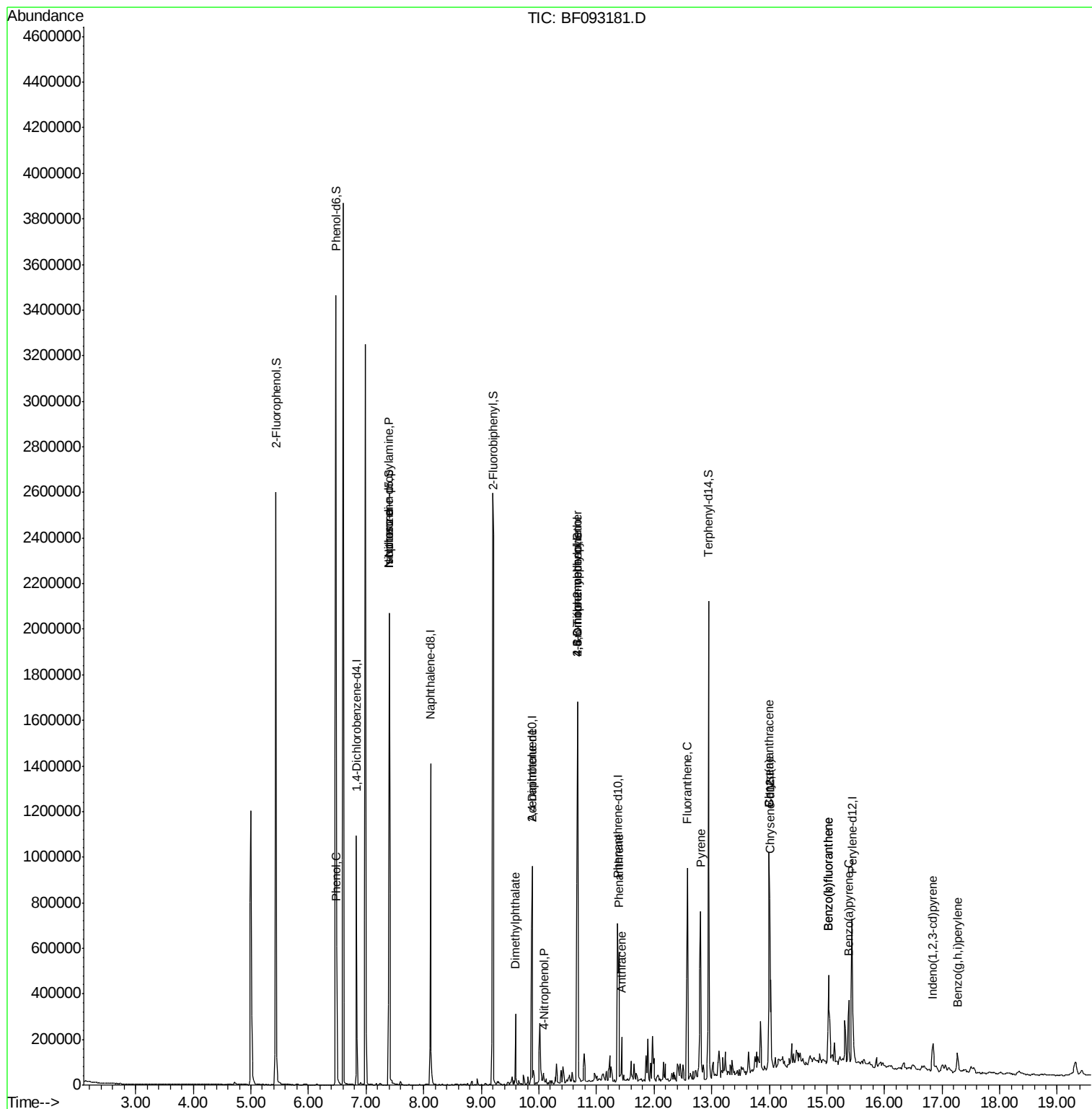
Quant Time: Feb 26 23:39:38 2017

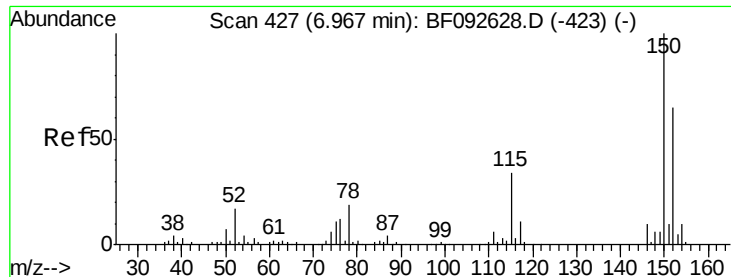
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

Instrument :

BNA_F

ClientSampleId :

E2-Z5W-SW

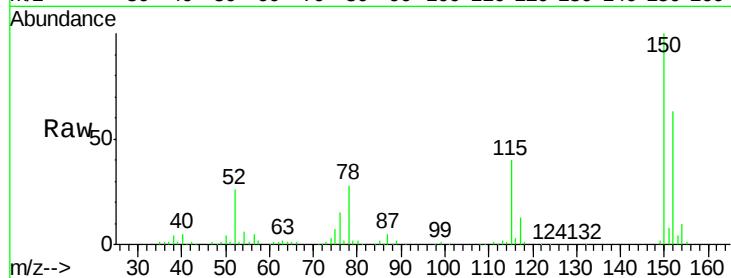
Tgt Ion:152 Resp: 153844

Ion Ratio Lower Upper

152 100

150 159.4 124.9 187.3

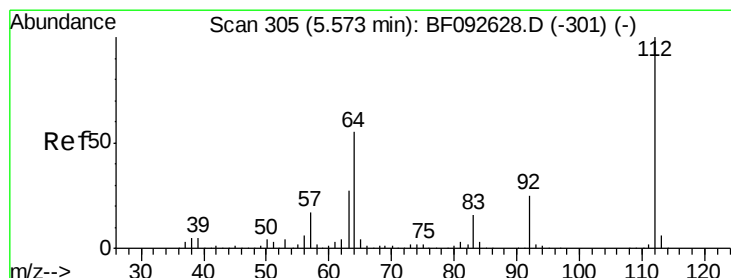
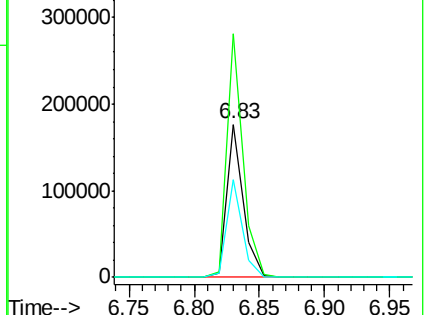
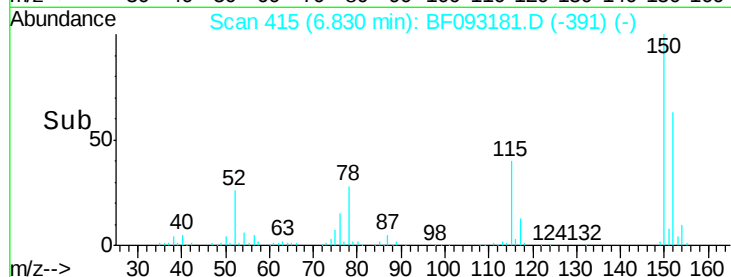
115 64.2 46.0 69.0



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: 121.26 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

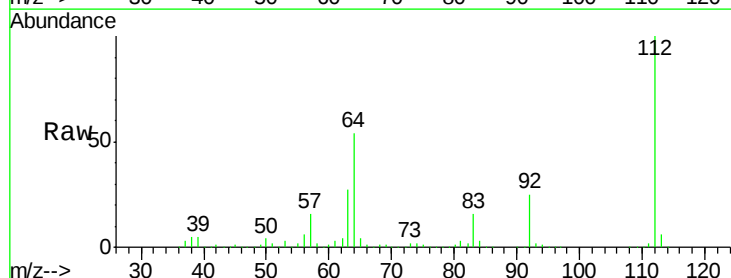
Tgt Ion:112 Resp: 1087378

Ion Ratio Lower Upper

112 100

64 53.9 46.1 69.1

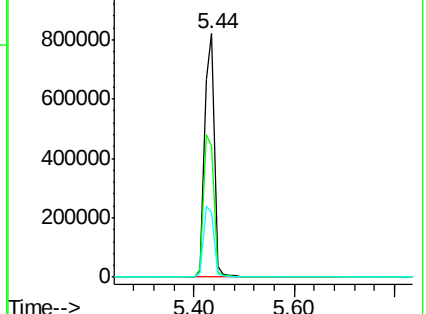
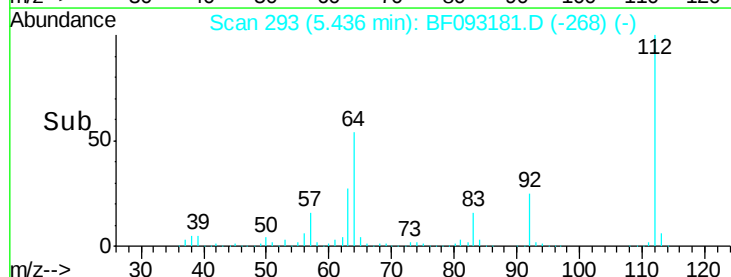
63 26.7 23.8 35.6



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: 108.79 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

Instrument :

BNA_F

ClientSampleId :

E2-Z5W-SW

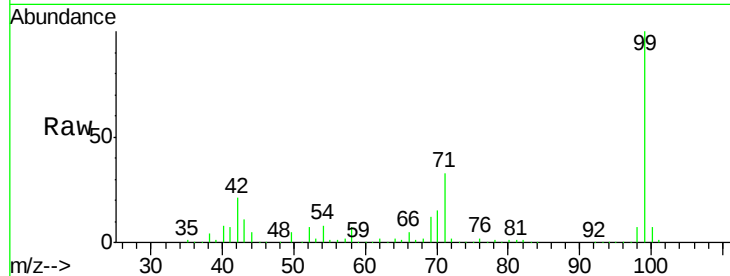
Tgt Ion: 99 Resp: 1255255

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

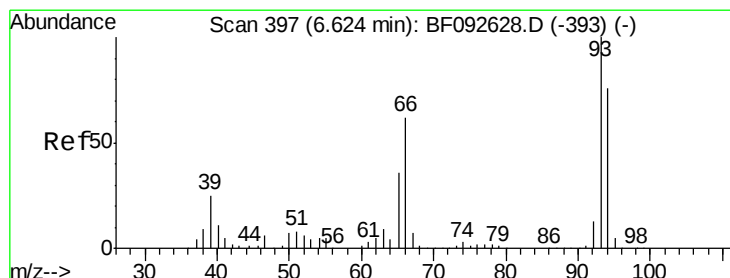
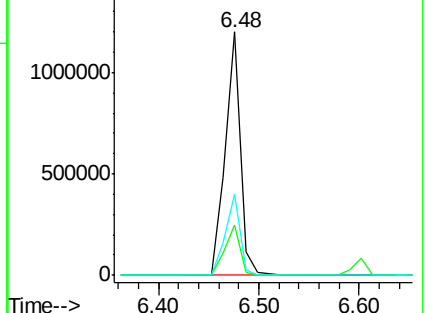
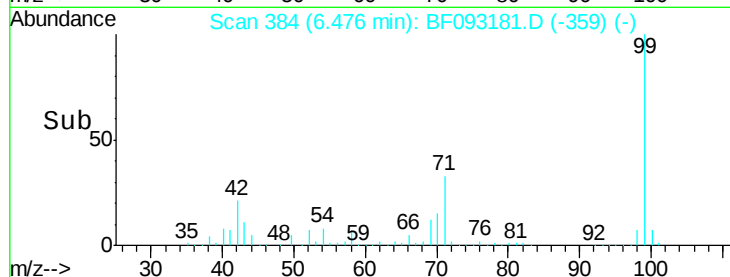
71 33.1 27.5 41.3



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



#10

Phenol

Concen: 6.37 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

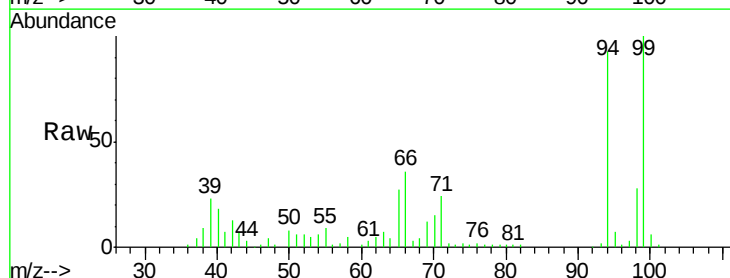
Tgt Ion: 94 Resp: 86015

Ion Ratio Lower Upper

94 100

65 29.0 21.4 61.4

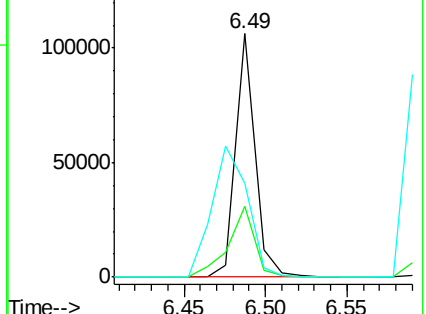
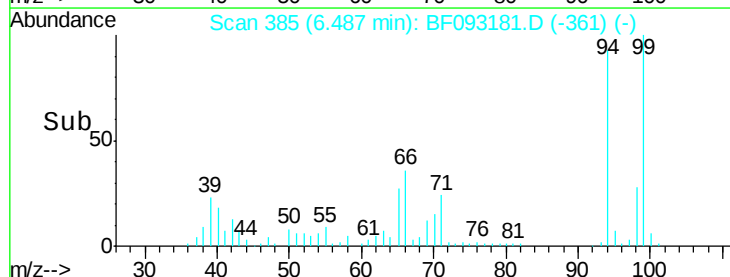
66 38.6 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

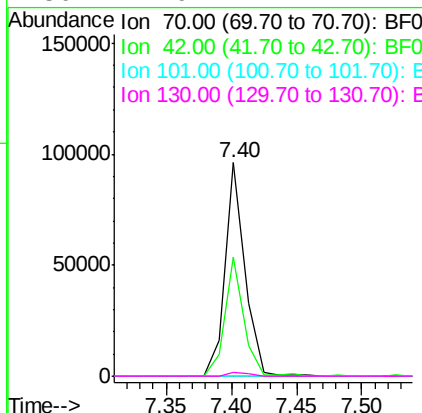
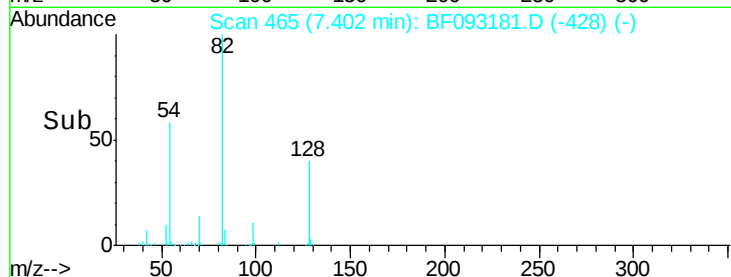
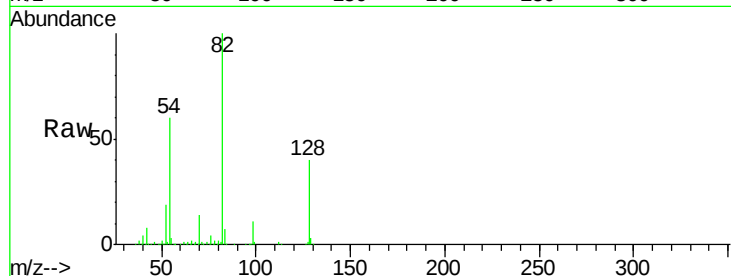




#19
n-Nitroso-di-n-propylamine
Concen: 13.85 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

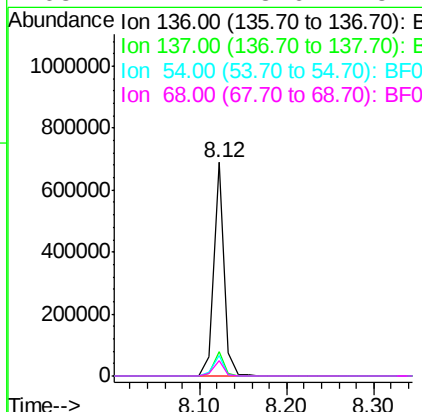
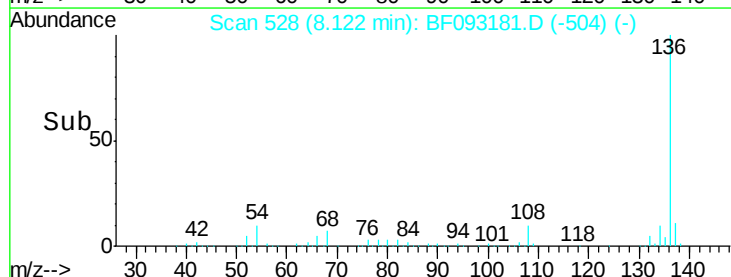
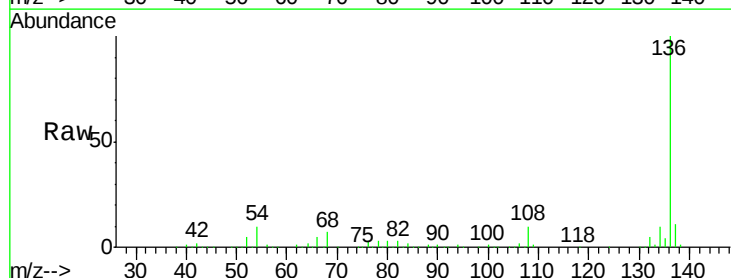
Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

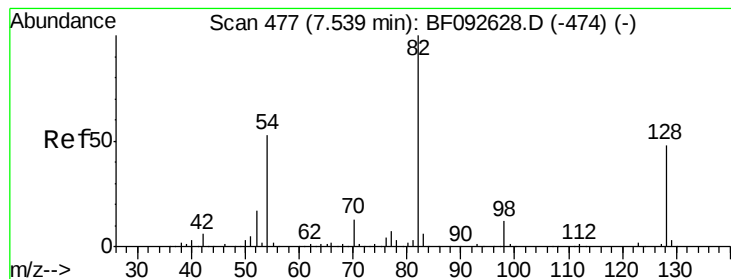
Tgt Ion: 70 Resp: 101719
Ion Ratio Lower Upper
70 100
42 55.9 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Tgt Ion: 136 Resp: 579958
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.9 4.5 6.7#
68 7.1 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 74.66 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

Instrument :

BNA_F

ClientSampleId :

E2-Z5W-SW

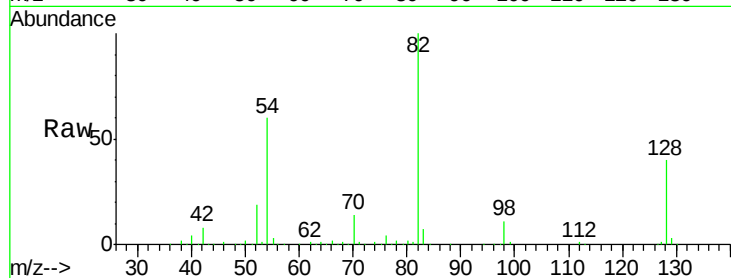
Tgt Ion: 82 Resp: 777589

Ion Ratio Lower Upper

82 100

128 39.6 34.6 52.0

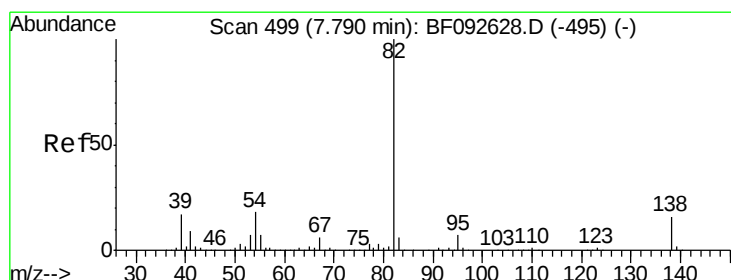
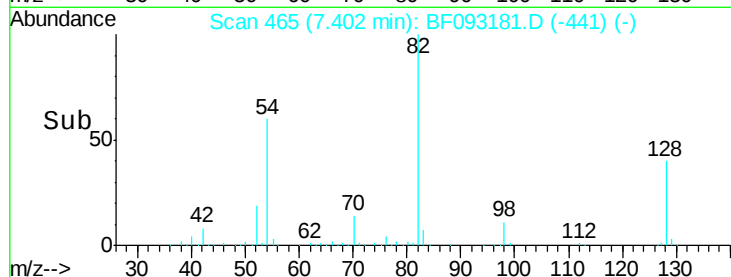
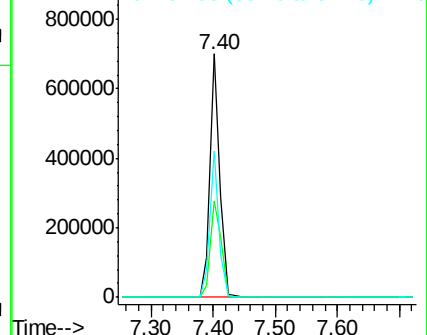
54 60.1 39.5 59.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 35.70 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

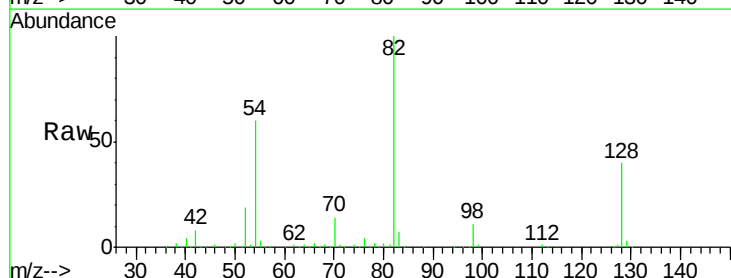
Tgt Ion: 82 Resp: 692909

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

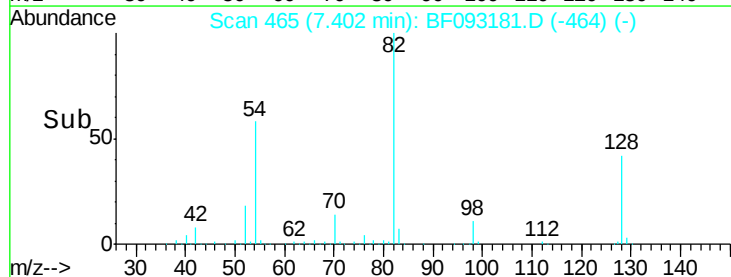
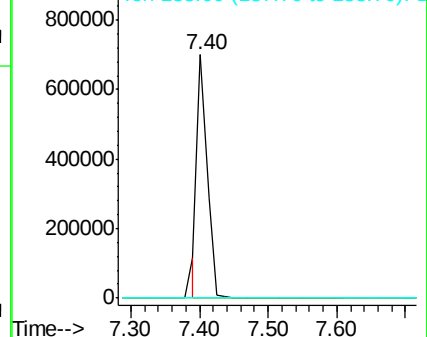
138 0.0 14.6 22.0#



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

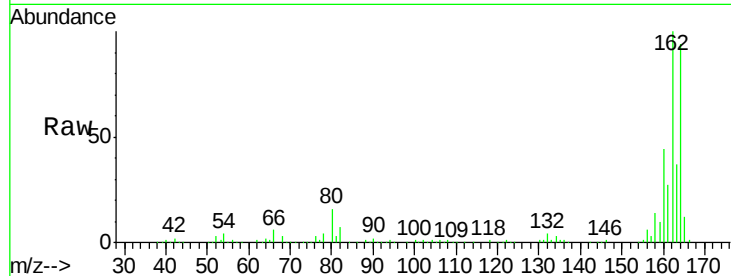




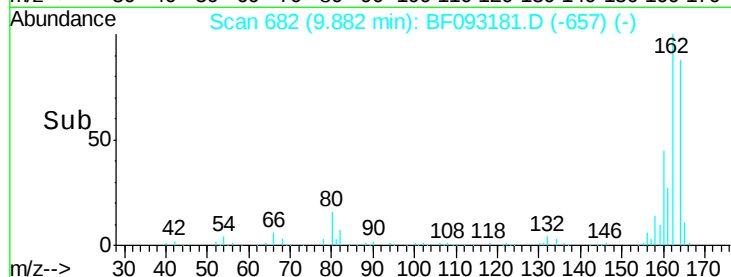
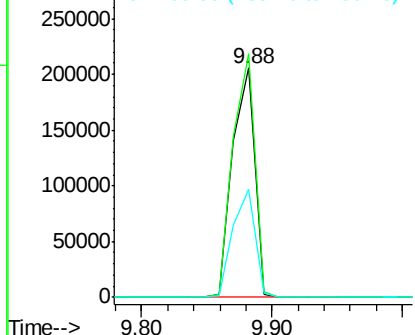
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z5W-SW

Tgt Ion:164 Resp: 242183
 Ion Ratio Lower Upper
 164 100
 162 106.4 80.2 120.2
 160 47.1 36.9 55.3

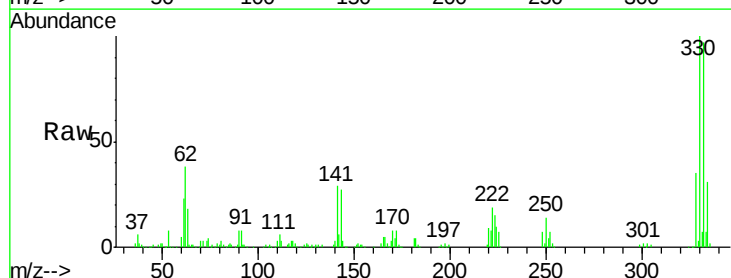


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

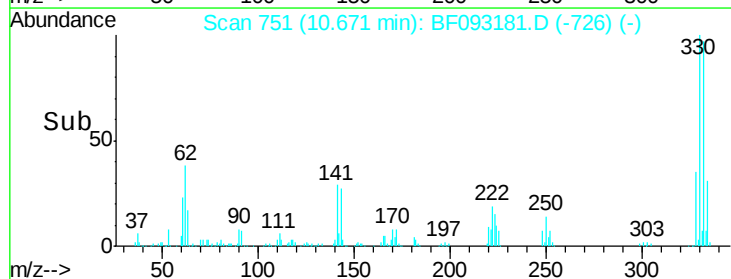
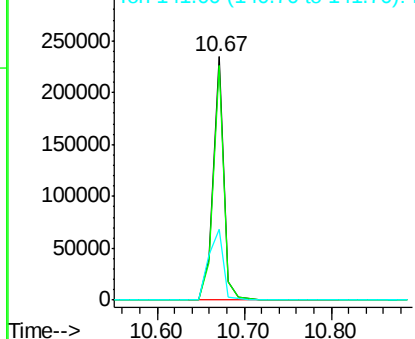


#41
 2,4,6-Tribromophenol
 Concen: 117.74 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Tgt Ion:330 Resp: 206232
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.4 116.2
 141 39.7 34.1 51.1



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

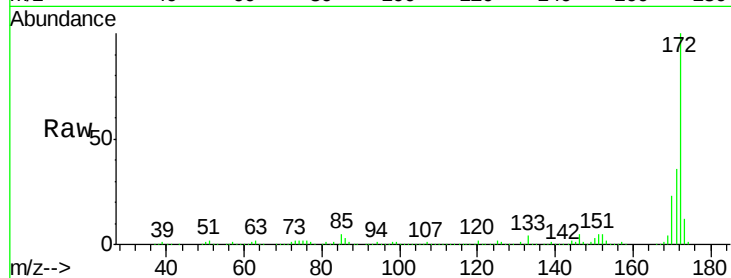




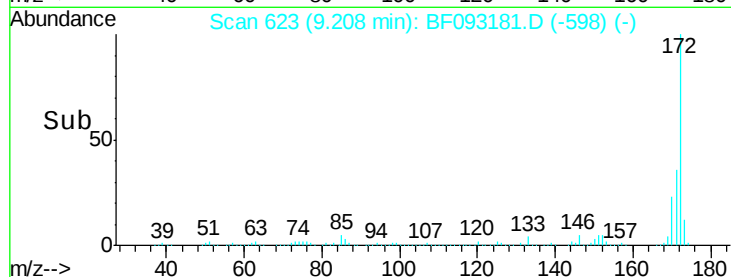
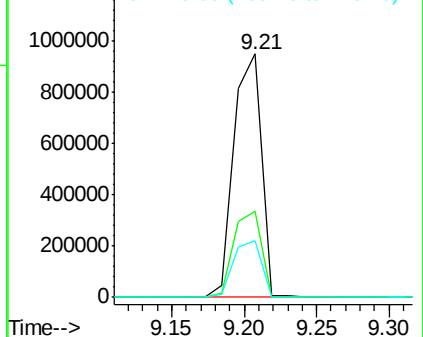
#44
 2-Fluorobiphenyl
 Concen: 94.05 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z5W-SW

Tgt Ion:172 Resp: 1257279
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 23.4 20.2 30.4

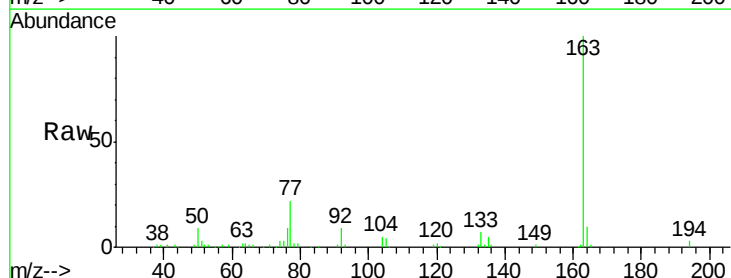


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

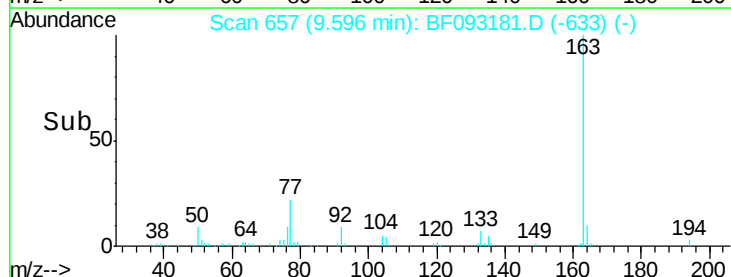
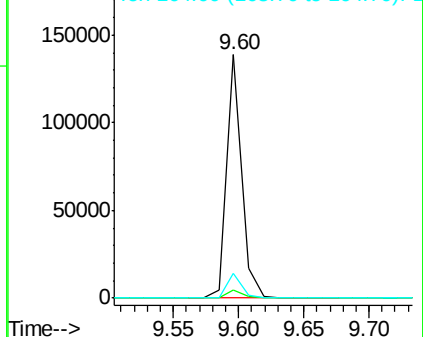


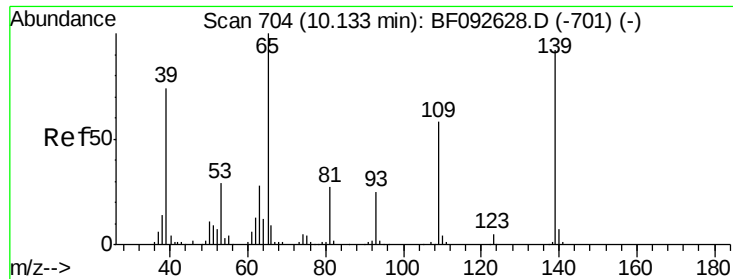
#49
 Dimethylphthalate
 Concen: 6.86 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Tgt Ion:163 Resp: 111916
 Ion Ratio Lower Upper
 163 100
 194 3.2 3.0 4.4
 164 10.4 8.0 12.0



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

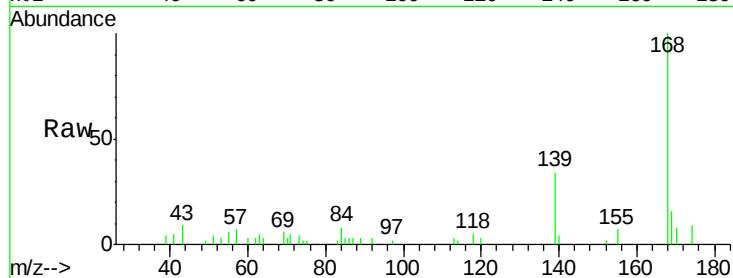




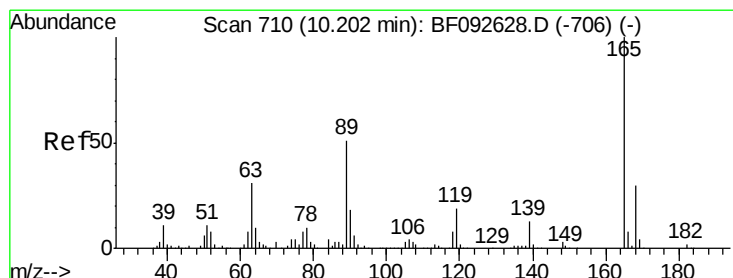
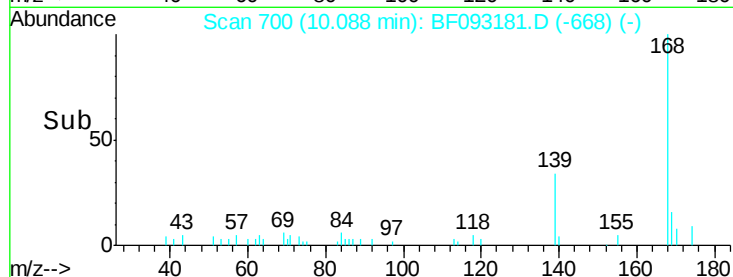
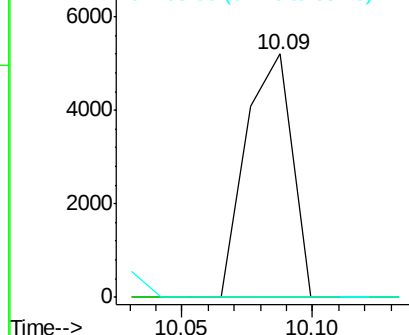
#55
4-Nitrophenol
Concen: 2.19 ng
RT: 10.09 min Scan# 700
Delta R.T. 0.07 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

Tgt Ion:139 Resp: 6363
Ion Ratio Lower Upper
139 100
109 0.0 52.2 92.2#
65 0.0 85.8 125.8#

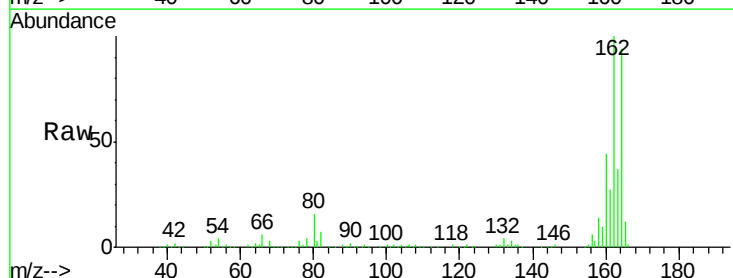


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

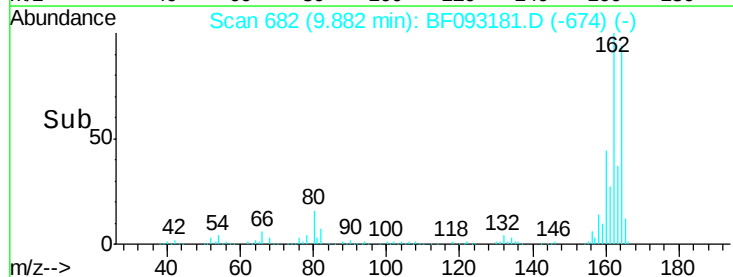
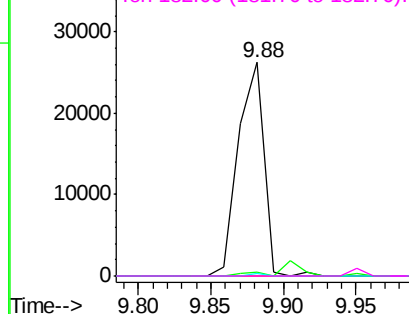


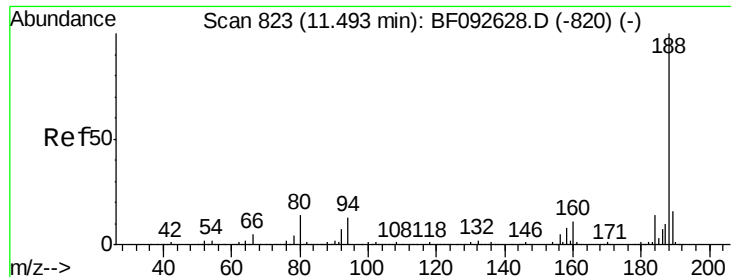
#56
2,4-Dinitrotoluene
Concen: 6.87 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.21 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Tgt Ion:165 Resp: 32206
Ion Ratio Lower Upper
165 100
63 1.7 40.2 60.4#
89 1.3 62.5 93.7#
182 0.0 1.8 2.8#



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: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

Instrument :

BNA_F

ClientSampleId :

E2-Z5W-SW

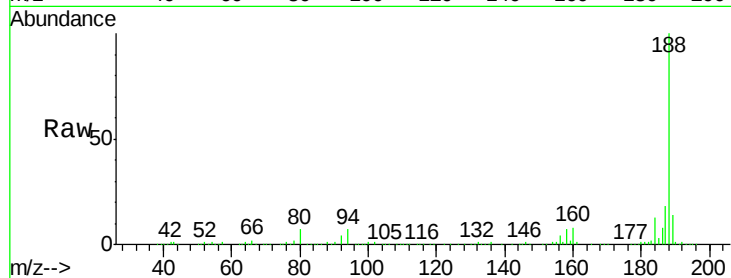
Tgt Ion:188 Resp: 371657

Ion Ratio Lower Upper

188 100

94 7.0 10.0 15.0#

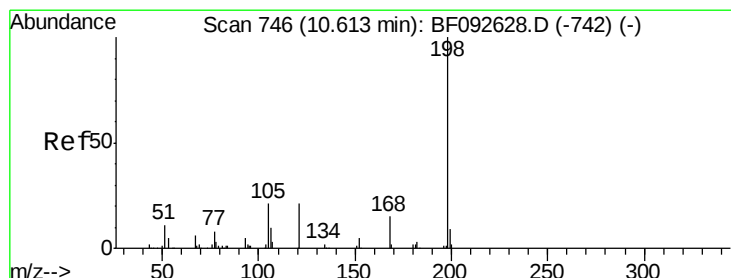
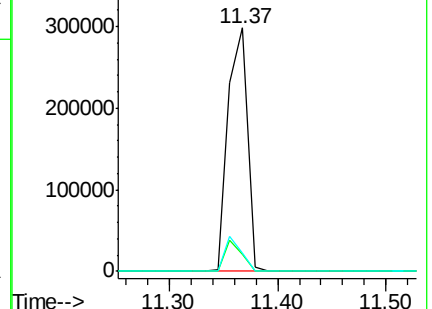
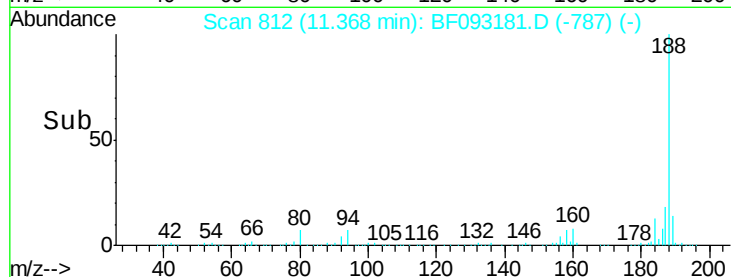
80 7.3 11.2 16.8#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 2.84 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.17 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

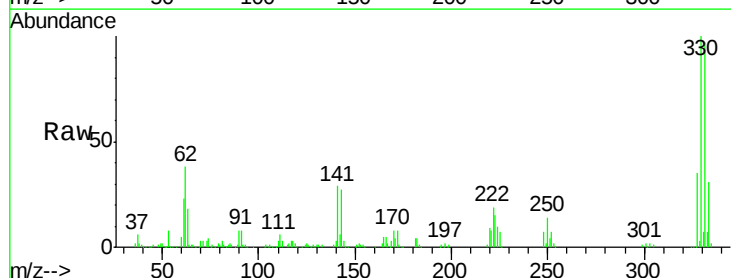
Tgt Ion:198 Resp: 418

Ion Ratio Lower Upper

198 100

51 174.4 6.7 46.7#

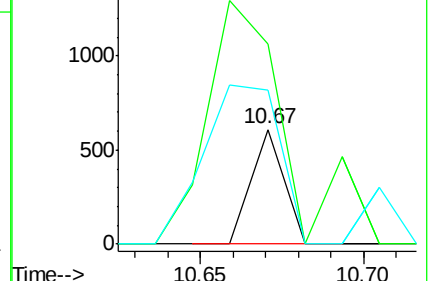
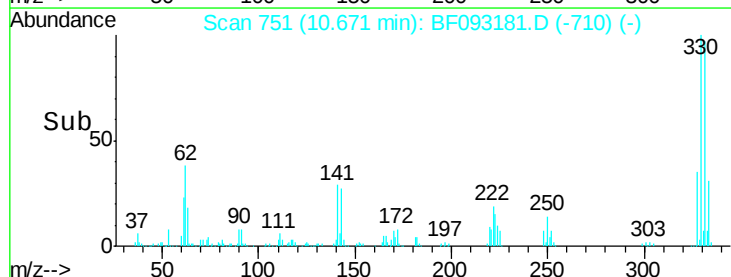
105 133.9 16.6 56.6#

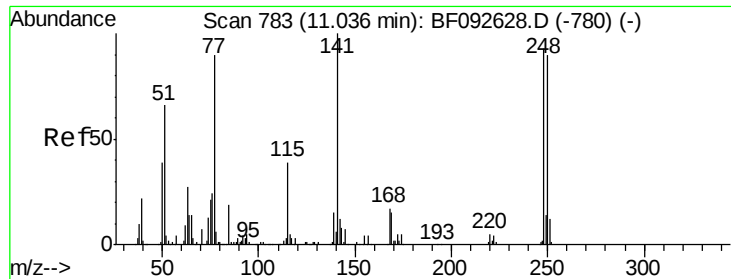


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

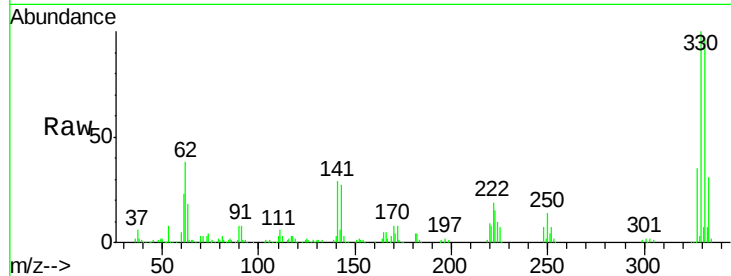




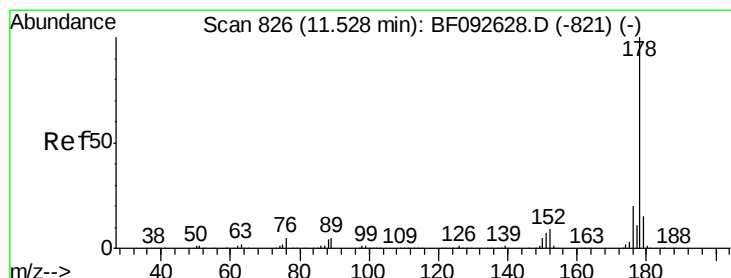
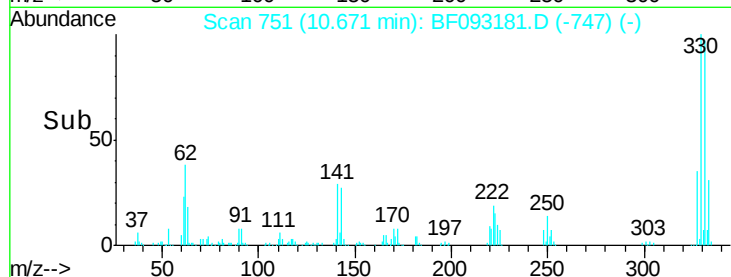
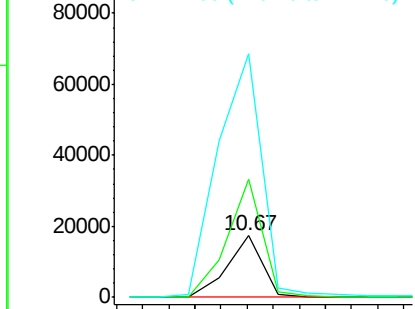
#66
 4-Bromophenyl-phenylether
 Concen: 4.17 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.25 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z5W-SW

Tgt Ion:248 Resp: 16211
 Ion Ratio Lower Upper
 248 100
 250 191.2 76.9 115.3#
 141 396.1 68.2 102.4#

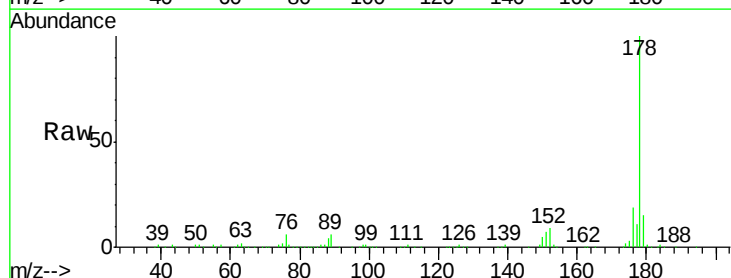


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

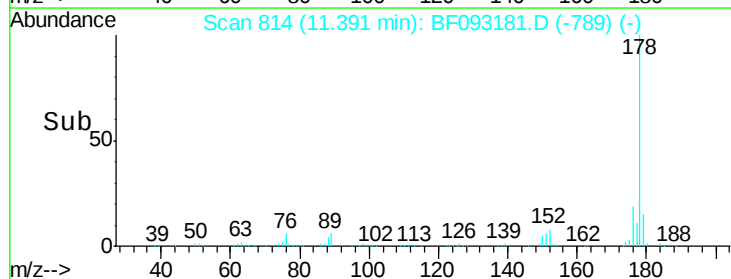
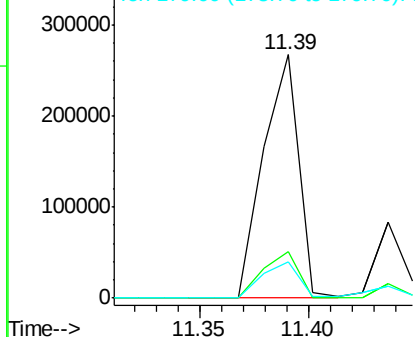


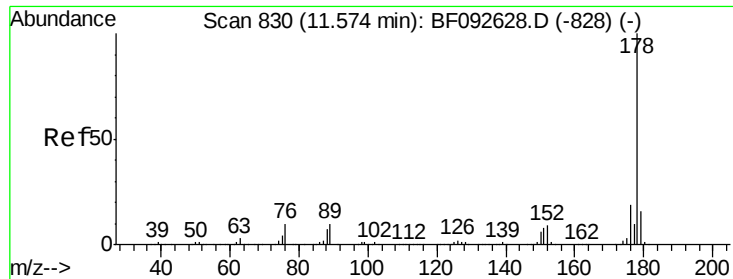
#70
 Phenanthrene
 Concen: 14.28 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Tgt Ion:178 Resp: 304053
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.6 25.0
 179 14.8 12.8 19.2



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

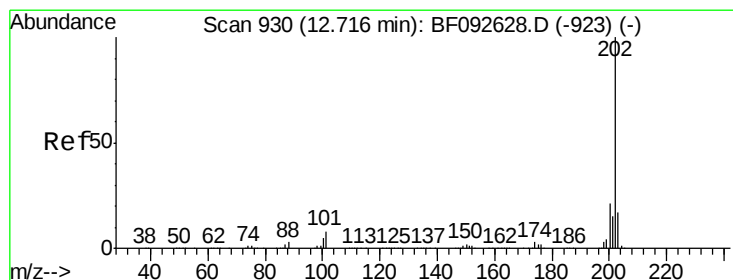
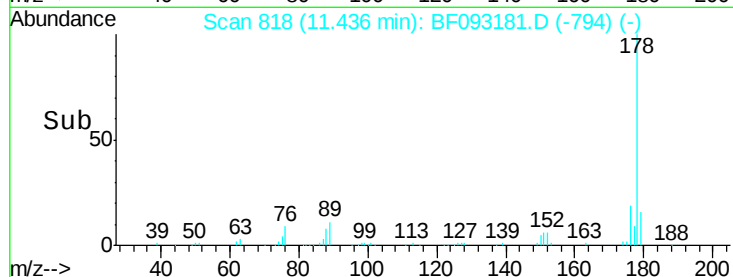
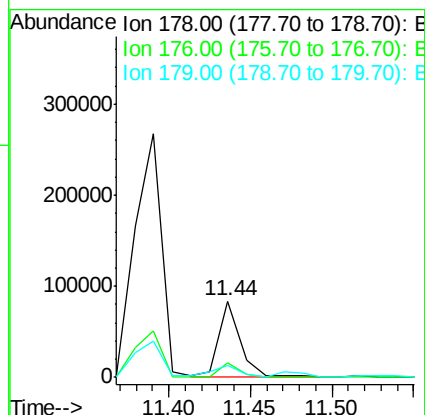
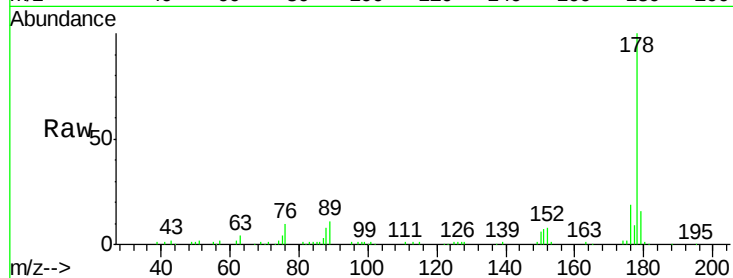




#71
 Anthracene
 Concen: 3.59 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.02 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

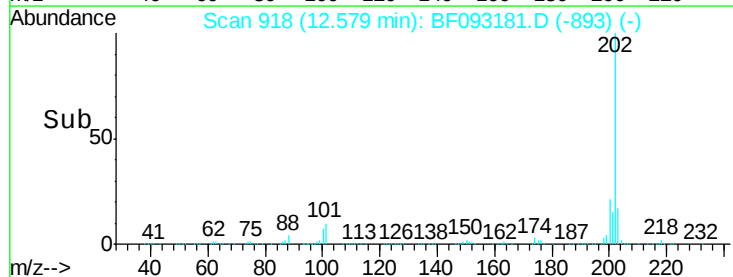
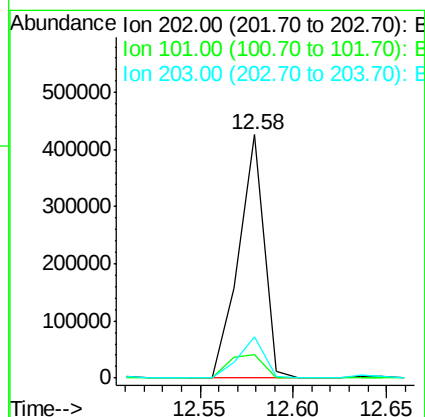
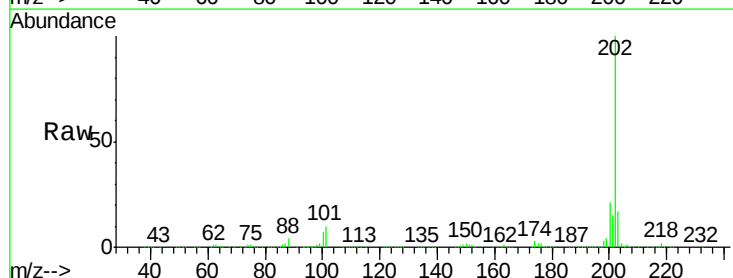
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z5W-SW

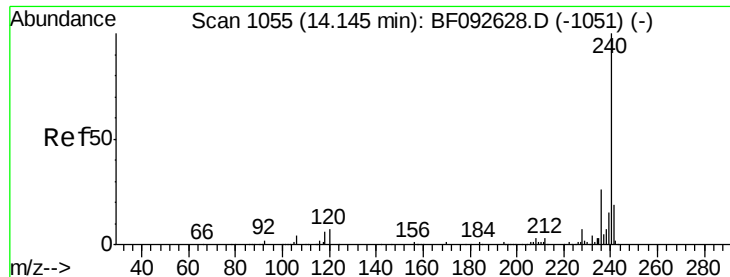
Tgt Ion:178 Resp: 76727
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.9 23.9
 179 15.6 13.2 19.8



#74
 Fluoranthene
 Concen: 18.70 ng
 RT: 12.58 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Tgt Ion:202 Resp: 410747
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 34.6
 203 17.0 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

Instrument :

BNA_F

ClientSampleId :

E2-Z5W-SW

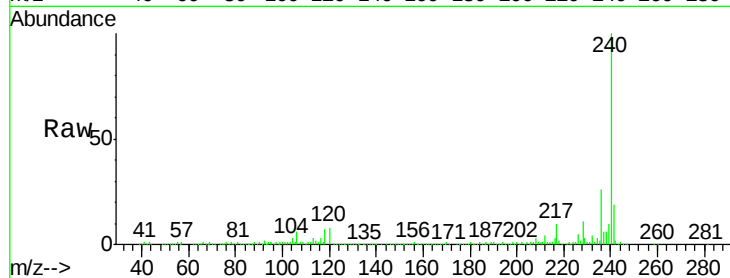
Tgt Ion:240 Resp: 304170

Ion Ratio Lower Upper

240 100

120 8.3 12.9 19.3#

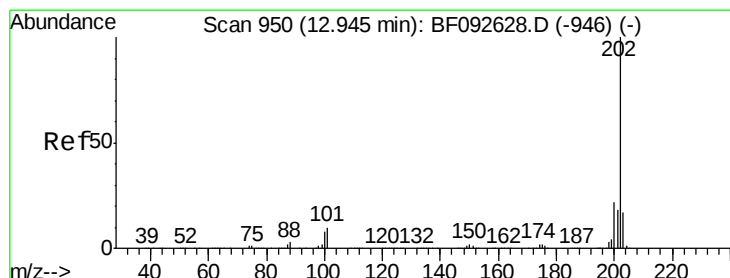
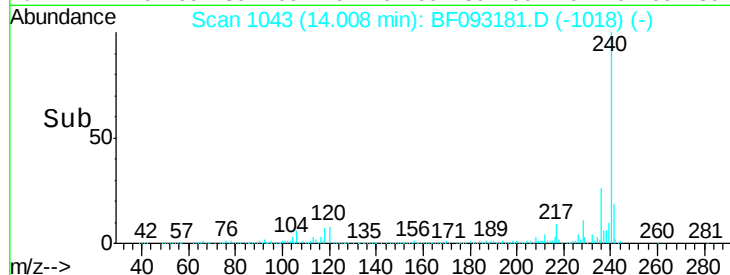
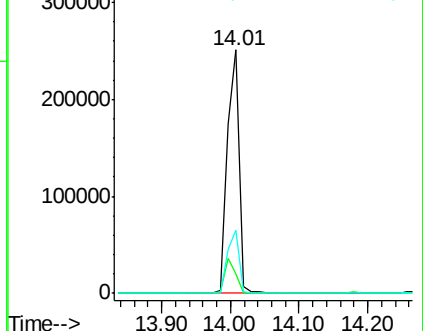
236 25.7 20.9 31.3



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: 16.41 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

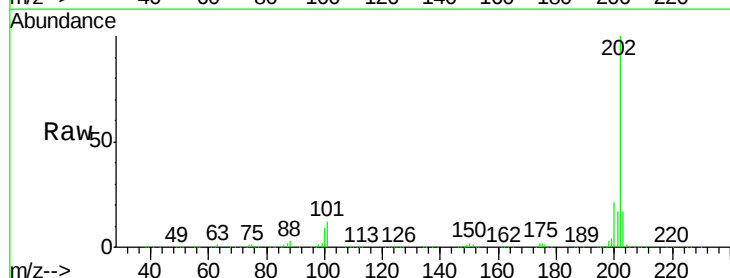
Tgt Ion:202 Resp: 373635

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

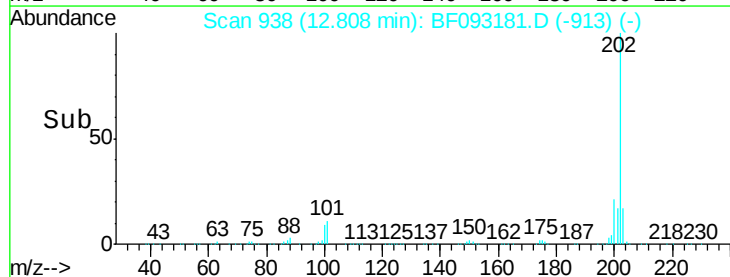
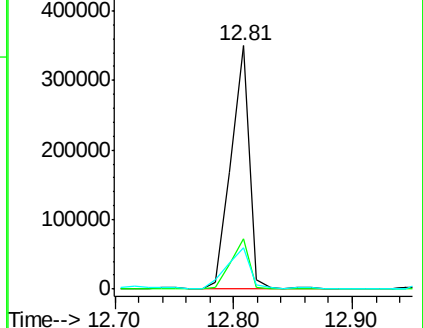
203 17.2 14.7 22.1

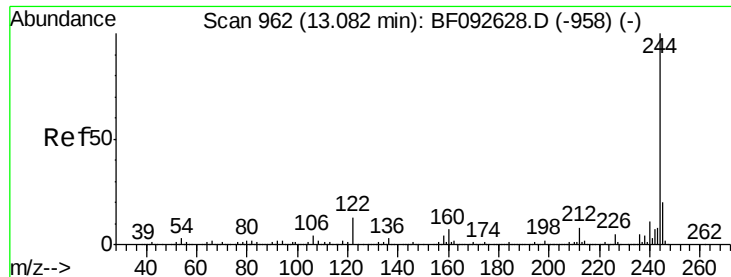


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.43 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

Instrument :

BNA_F

ClientSampleId :

E2-Z5W-SW

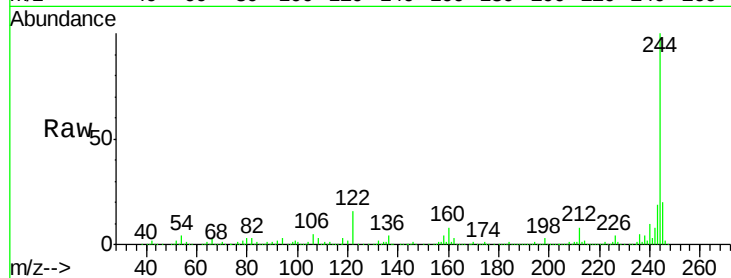
Tgt Ion:244 Resp: 717594

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

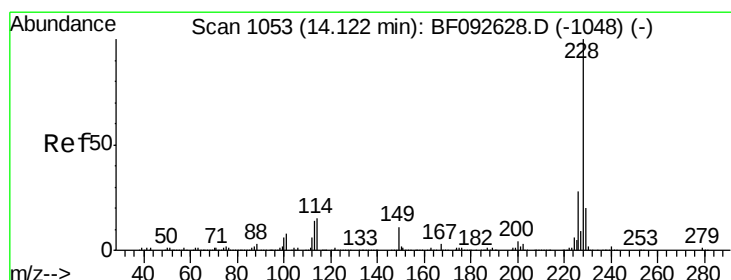
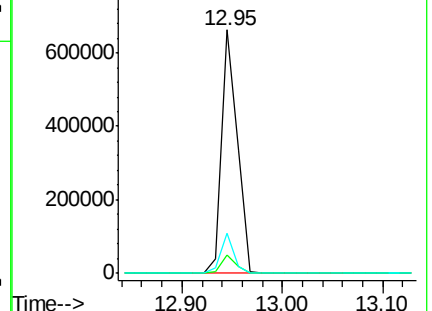
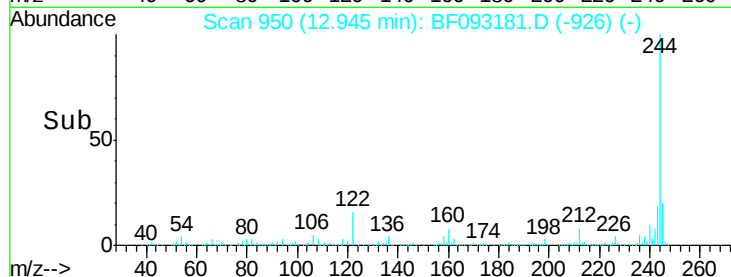
122 16.2 11.4 17.2



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



#80

Benzo(a)anthracene

Concen: 10.42 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

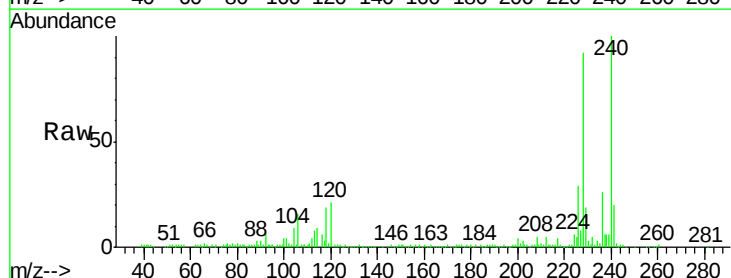
Tgt Ion:228 Resp: 193782

Ion Ratio Lower Upper

228 100

226 31.8 22.4 33.6

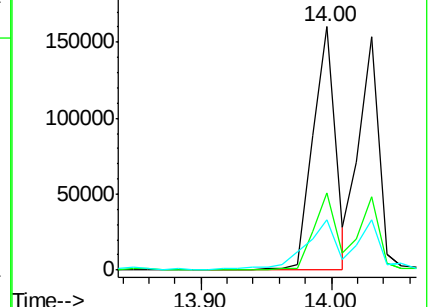
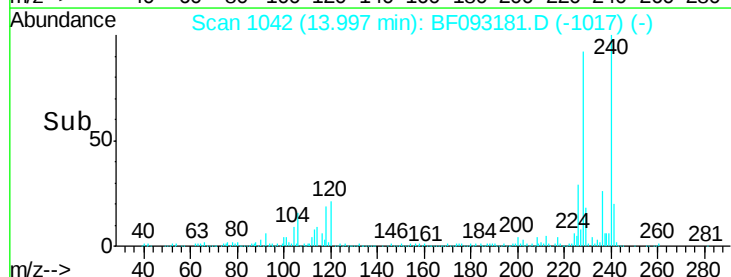
229 20.4 16.2 24.4

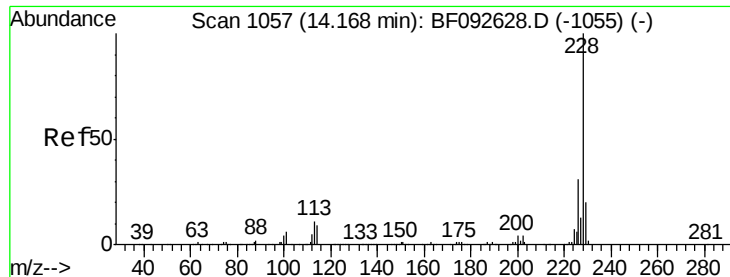


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.13 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

Instrument :

BNA_F

ClientSampleId :

E2-Z5W-SW

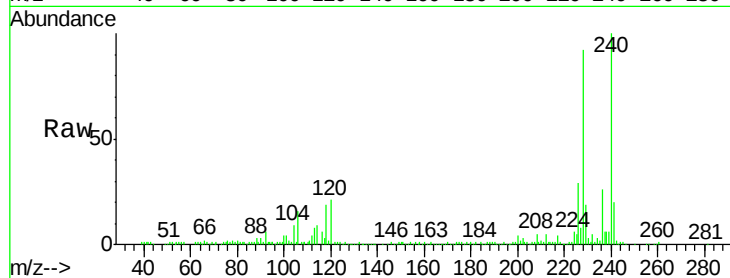
Tgt Ion:228 Resp: 193782

Ion Ratio Lower Upper

228 100

226 31.8 25.4 38.0

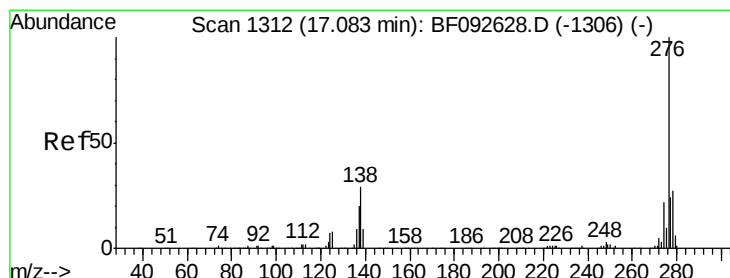
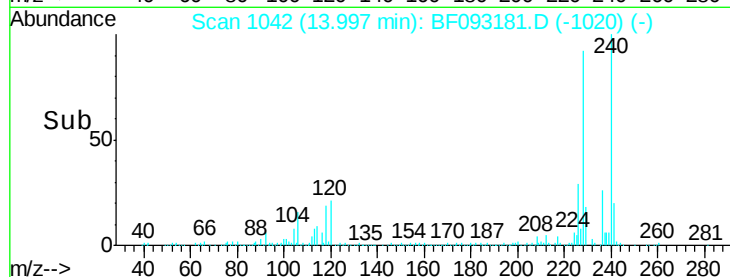
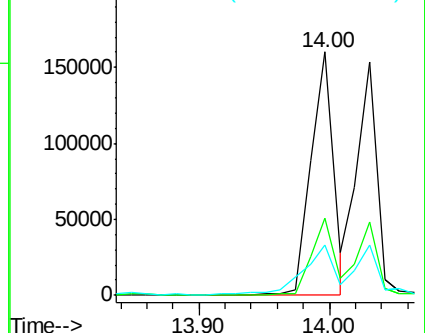
229 20.4 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.35 ng

RT: 16.84 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

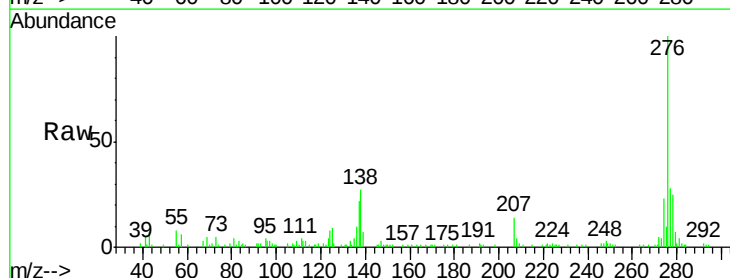
Tgt Ion:276 Resp: 72173

Ion Ratio Lower Upper

276 100

138 28.9 21.8 32.6

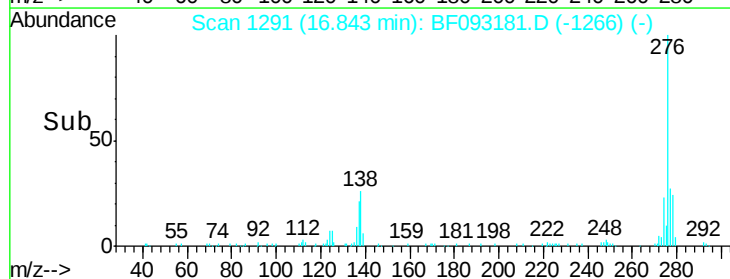
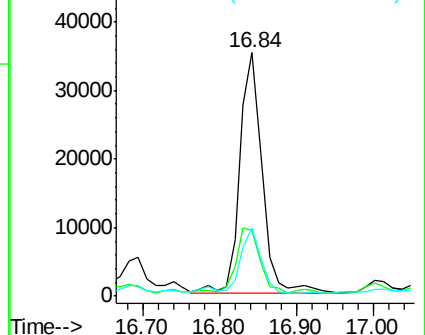
277 23.5 20.2 30.4

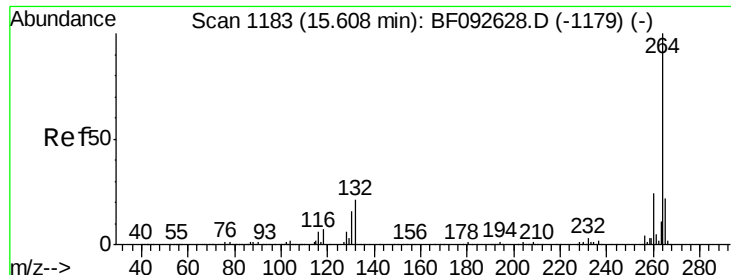


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

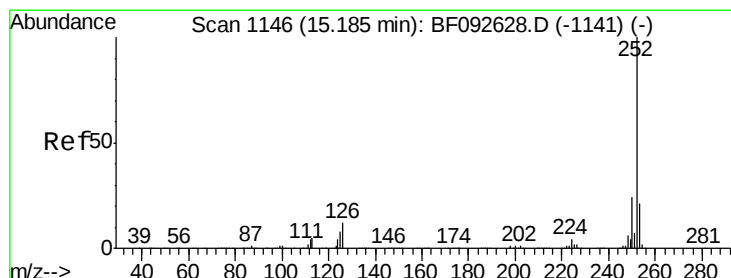
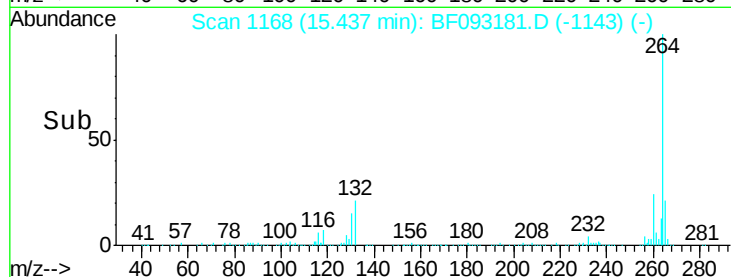
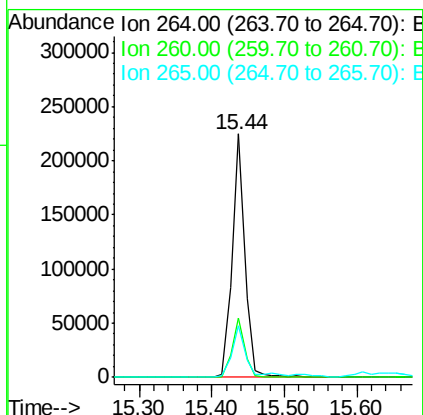
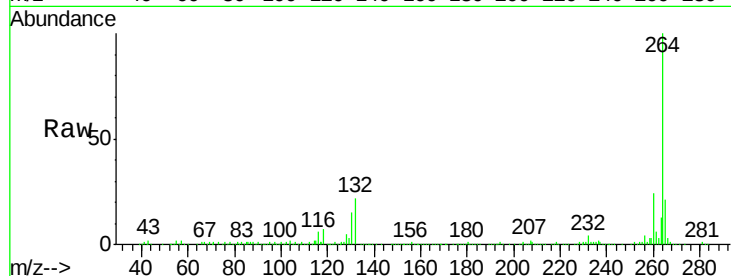




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

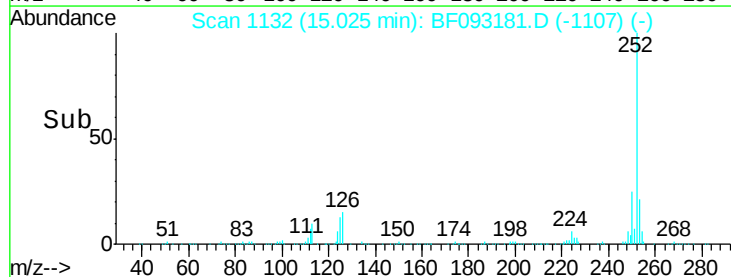
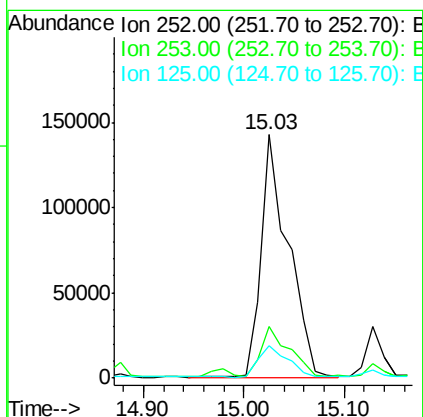
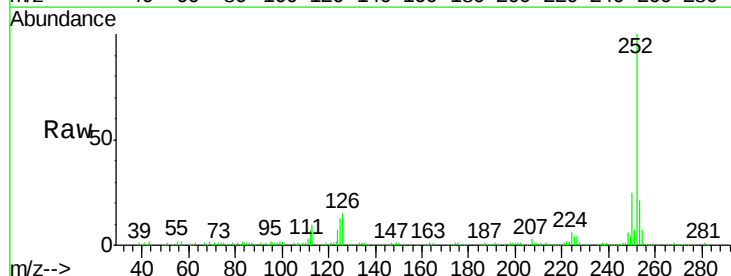
Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

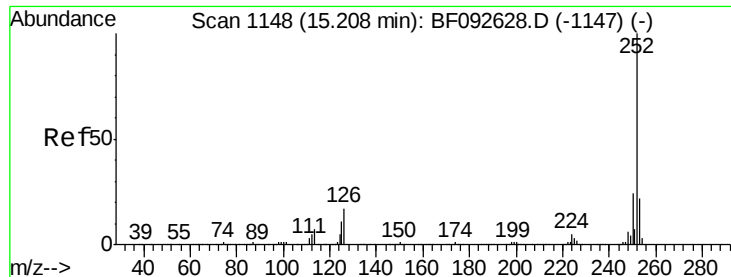
Tgt Ion: 264 Resp: 274903
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.5 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 14.75 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Tgt Ion: 252 Resp: 266818
Ion Ratio Lower Upper
252 100
253 21.3 18.2 27.4
125 13.3 9.8 14.6

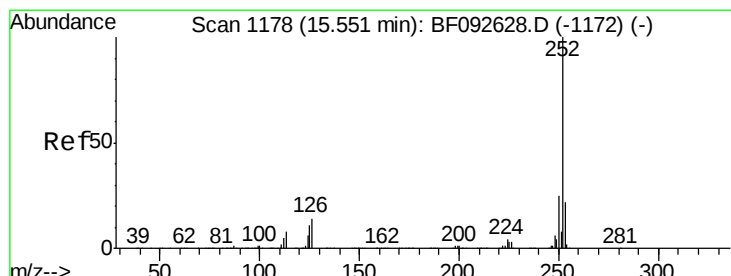
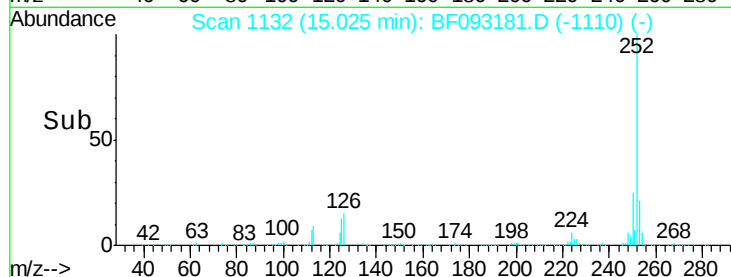
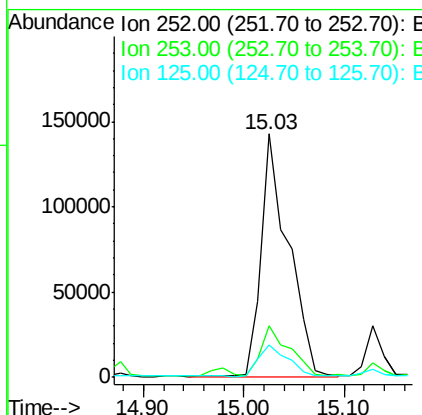
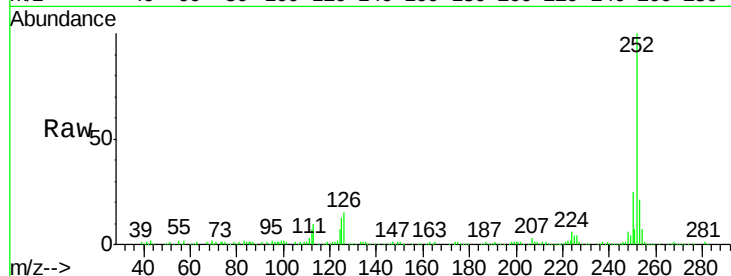




#88
Benzo(k)fluoranthene
Concen: 17.08 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

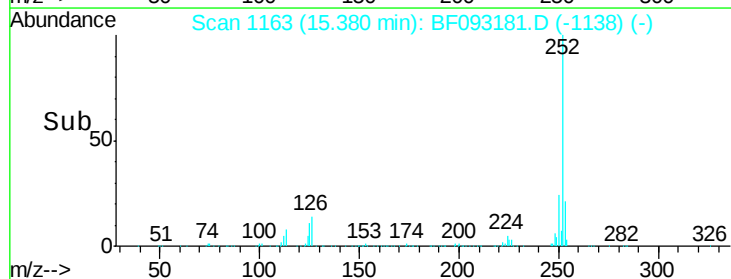
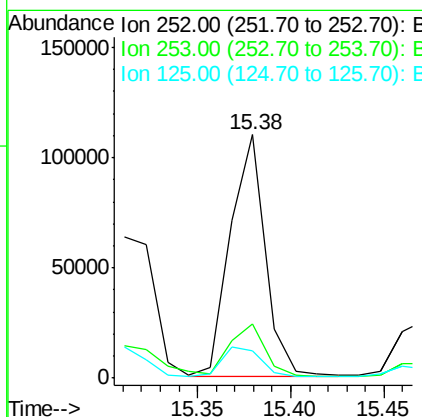
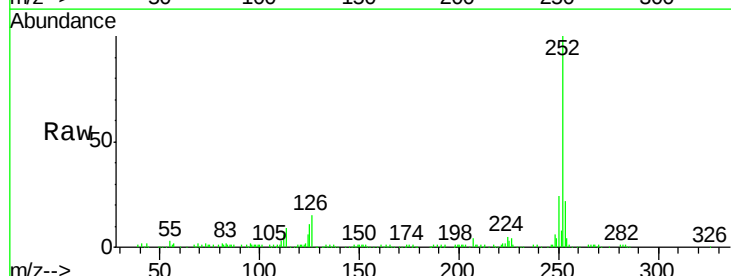
Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

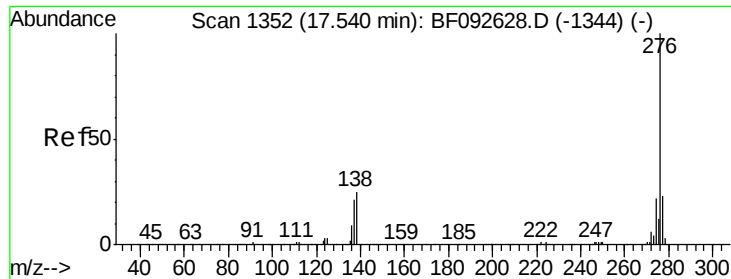
Tgt Ion: 252 Resp: 266818
Ion Ratio Lower Upper
252 100
253 21.3 18.5 27.7
125 13.3 8.9 13.3



#89
Benzo(a)pyrene
Concen: 9.22 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Tgt Ion: 252 Resp: 144327
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 11.4 10.0 15.0

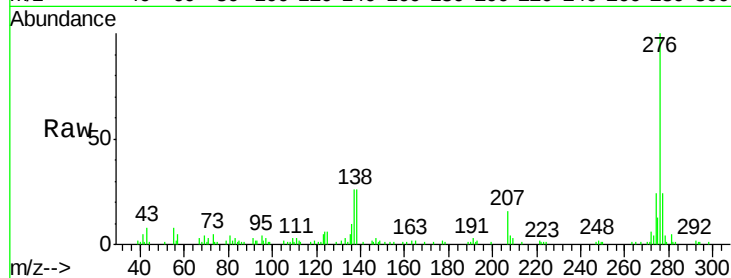




#91
 Benzo(g,h,i)perylene
 Concen: 5.01 ng
 RT: 17.27 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z5W-SW

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	26.3	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

