

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088018.D
 Acq On : 15 Jun 2016 00:52
 Operator : UM/SJ
 Sample : H3471-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

Quant Time: Jun 15 03:59:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	103768	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	379000	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	164929	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	257220	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	242415	20.00	ng	-0.01
86) Perylene-d12	15.35	264	198007	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	709791	116.94	ng	0.00
7) Phenol-d6	6.43	99	1041675	141.60	ng	0.00
23) Nitrobenzene-d5	7.35	82	568000	87.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	165500	95.03	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	921631	87.98	ng	-0.01
78) Terphenyl-d14	12.89	244	673349	63.21	ng	-0.01

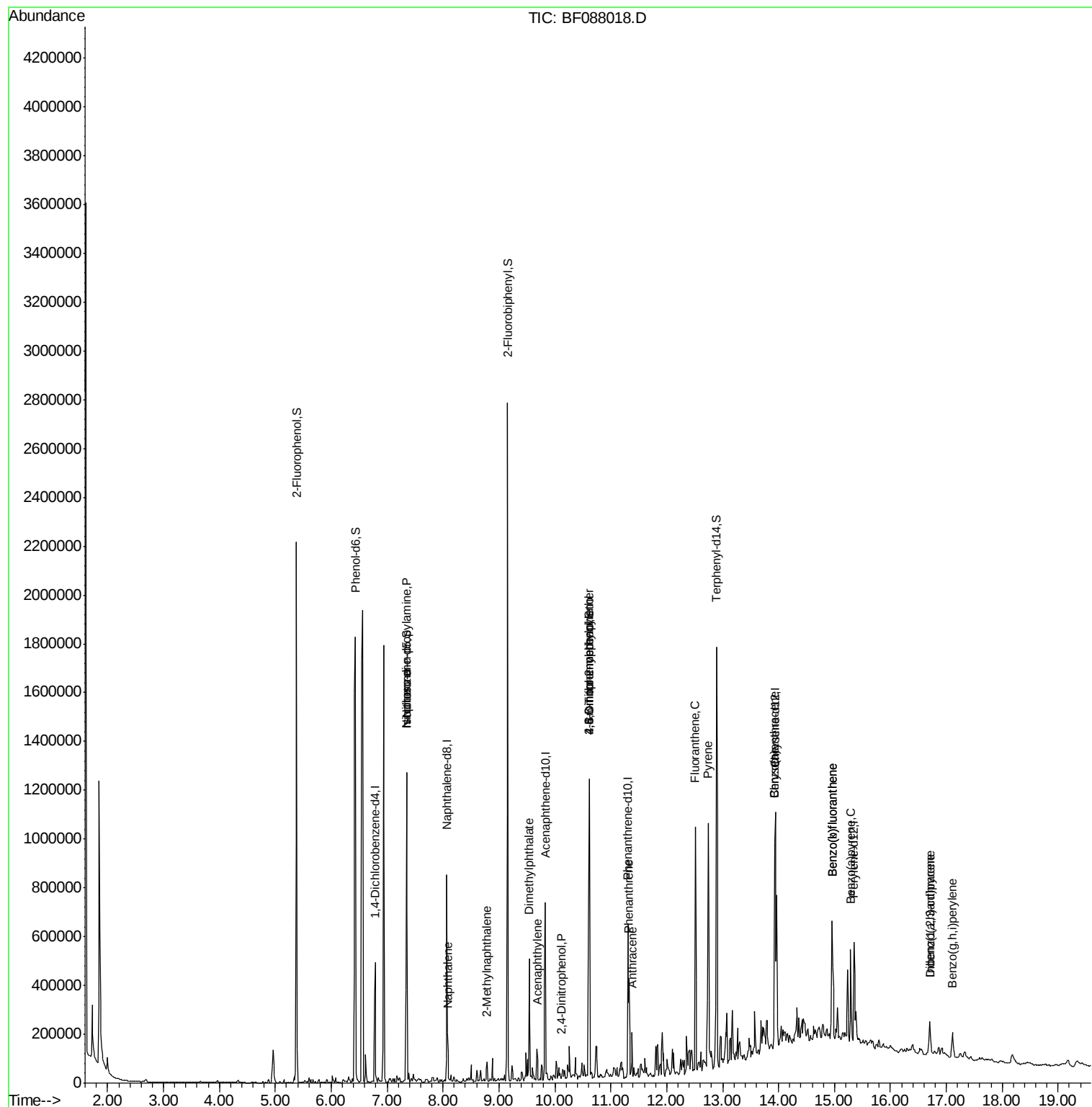
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	2350	Below Cal		89
19) n-Nitroso-di-n-propylamine	7.35	70	74562	15.84 ng	#	73
25) Isophorone	7.35	82	474177	39.44 ng	#	65
31) Naphthalene	8.09	128	43801	2.34 ng		98
37) 2-Methylnaphthalene	8.79	142	29088	2.35 ng		99
45) 1,1'-Biphenyl	9.24	154	4860	Below Cal		96
48) Acenaphthylene	9.68	152	63833	3.76 ng		99
49) Dimethylphthalate	9.54	163	237068	19.84 ng		99
53) 2,4-Dinitrophenol	10.11	184	238	3.30 ng	#	15
57) Fluorene	10.36	166	16980	Below Cal	#	94
64) 4,6-Dinitro-2-methylphenol	10.62	198	511	2.47 ng	#	1
66) 4-Bromophenyl-phenylether	10.62	248	11330	4.11 ng	#	1
70) Phenanthrene	11.33	178	171745	12.72 ng		99
71) Anthracene	11.38	178	76429	5.61 ng		97
74) Fluoranthene	12.51	202	410324	28.81 ng		97
77) Pyrene	12.74	202	417084	23.19 ng		100
80) Benzo(a)anthracene	13.93	228	308487	22.33 ng	#	92
82) Chrysene	13.93	228	308487	23.74 ng		97
85) Indeno(1,2,3-cd)pyrene	16.71	276	88542	7.33 ng	#	100
87) Benzo(b)fluoranthene	14.96	252	404607	29.32 ng	#	95
88) Benzo(k)fluoranthene	14.96	252	404607	38.86 ng		99
89) Benzo(a)pyrene	15.29	252	163412	14.64 ng		98
90) Dibenzo(a,h)anthracene	16.71	278	27423	2.64 ng	#	81
91) Benzo(g,h,i)perylene	17.11	276	73566	6.90 ng		97

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

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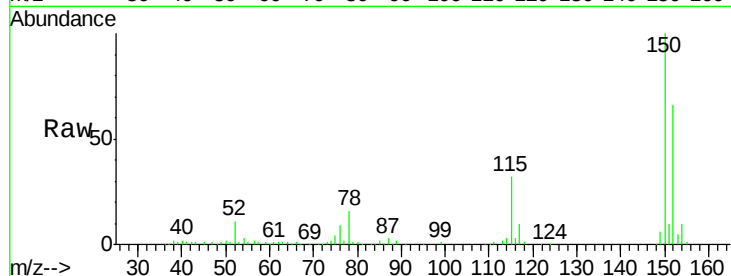


#1

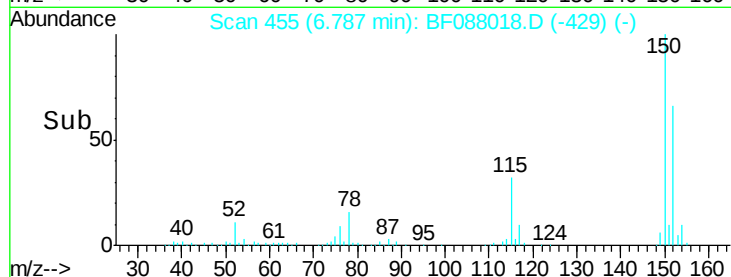
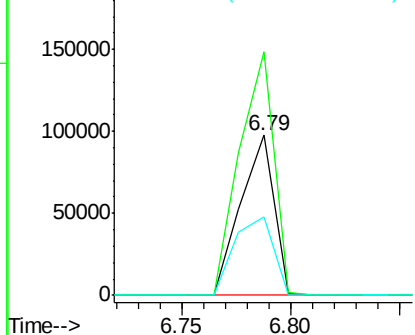
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Instrument :
BNA_F
ClientSampleId :
STA-1000-(0-4)

Tgt Ion:152 Resp: 103768
Ion Ratio Lower Upper
152 100
150 152.3 123.8 185.6
115 48.9 39.6 59.4



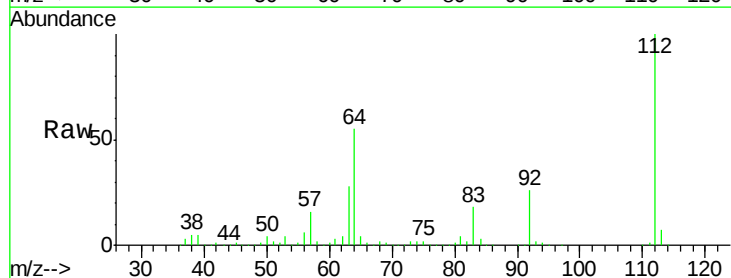
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



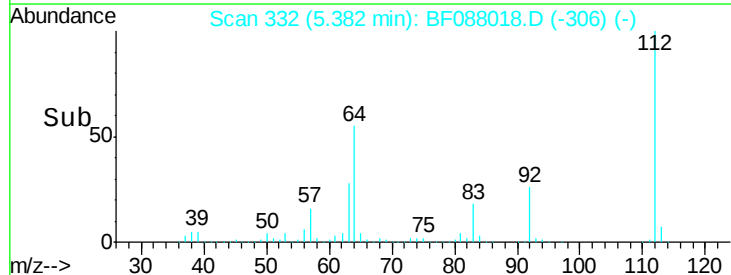
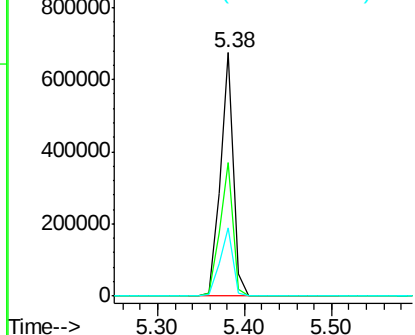
#5

2-Fluorophenol
Concen: 116.94 ng
RT: 5.38 min Scan# 332
Delta R.T. 0.00 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Tgt Ion:112 Resp: 709791
Ion Ratio Lower Upper
112 100
64 55.0 42.2 63.2
63 28.3 21.8 32.8



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: 141.60 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

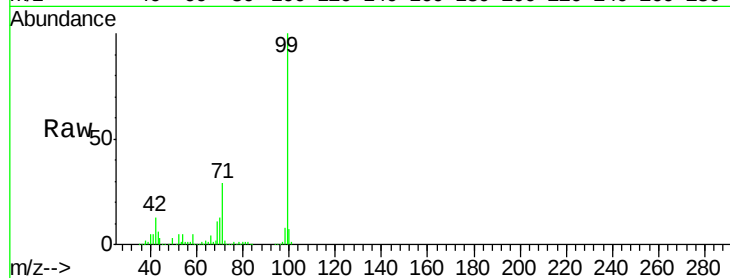
Tgt Ion: 99 Resp: 1041675

Ion Ratio Lower Upper

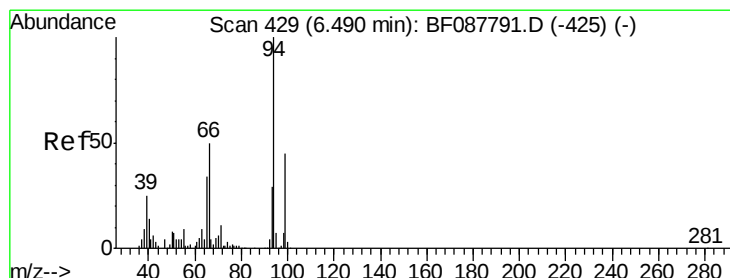
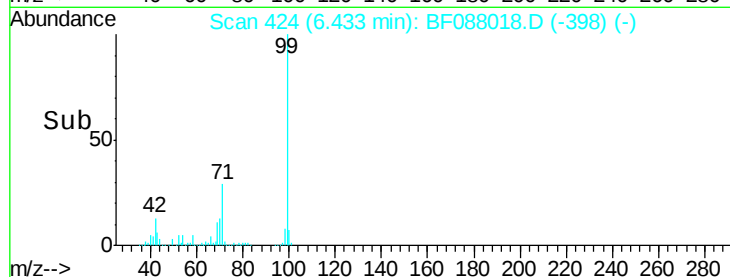
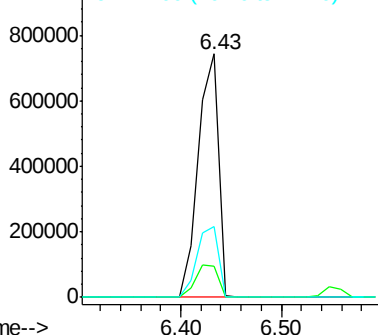
99 100

42 12.6 12.2 18.2

71 29.3 23.4 35.0



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: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

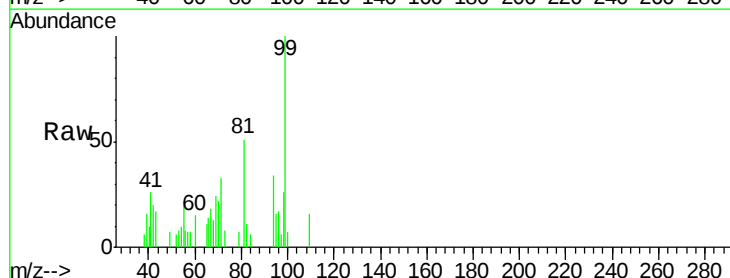
Tgt Ion: 94 Resp: 2350

Ion Ratio Lower Upper

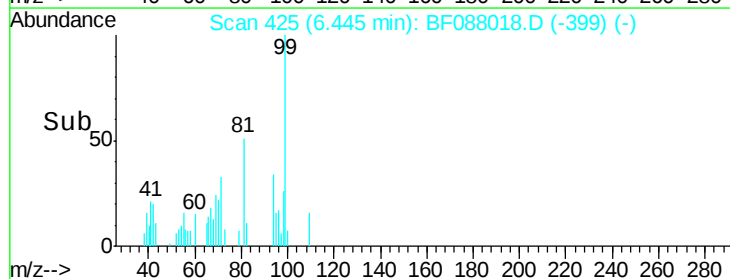
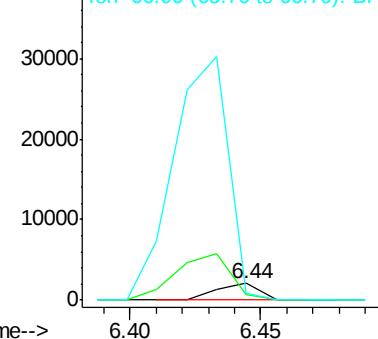
94 100

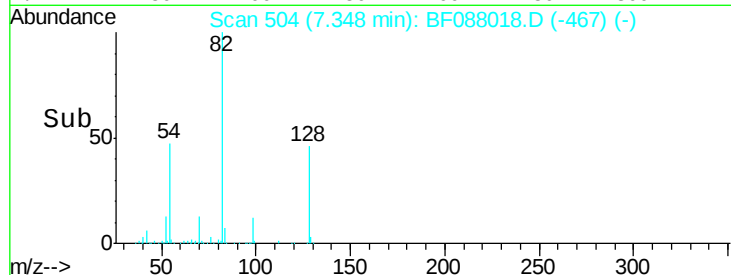
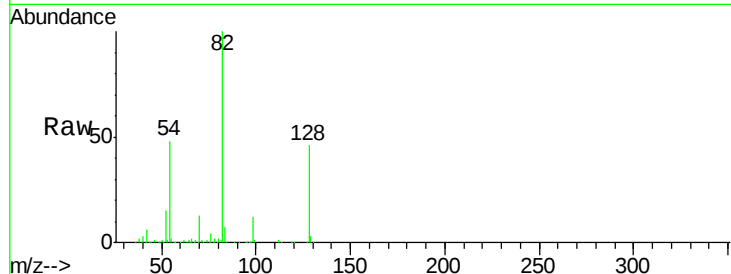
65 31.1 5.9 45.9

66 40.5 14.0 54.0



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

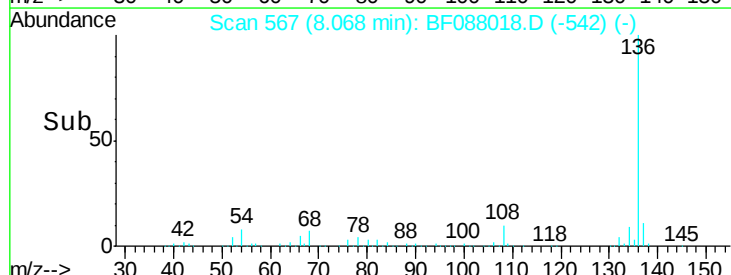
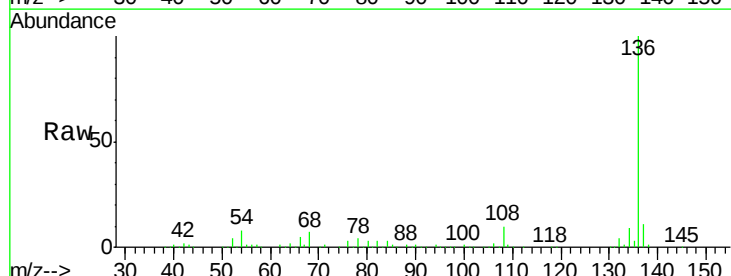
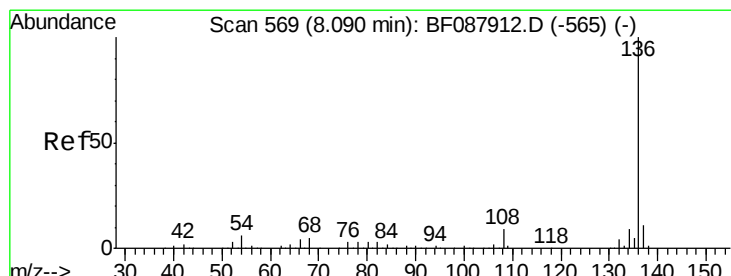
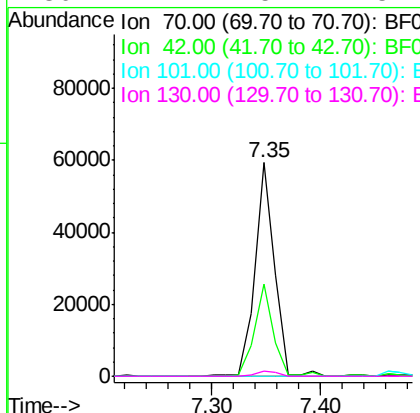




#19
n-Nitroso-di-n-propylamine
Concen: 15.84 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.13 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

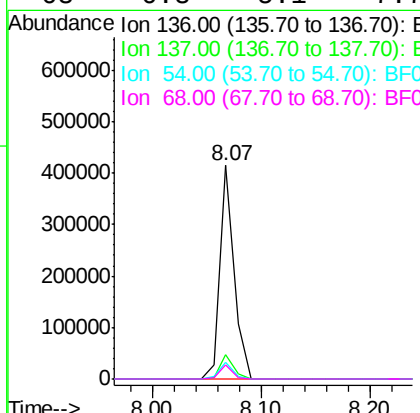
Instrument :
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STA-1000-(0-4)

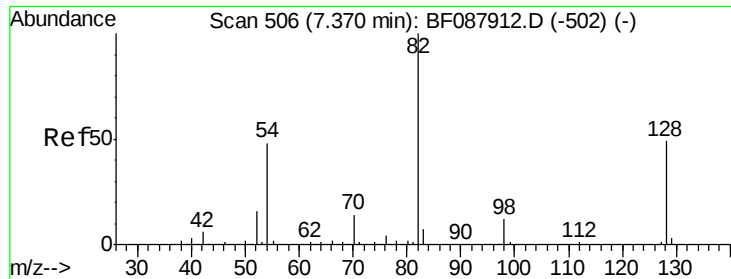
Tgt Ion: 70 Resp: 74562
Ion Ratio Lower Upper
70 100
42 43.3 49.6 74.4#
101 0.0 7.1 10.7#
130 2.4 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Tgt Ion: 136 Resp: 379000
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.1 6.6 10.0
68 6.8 5.1 7.7

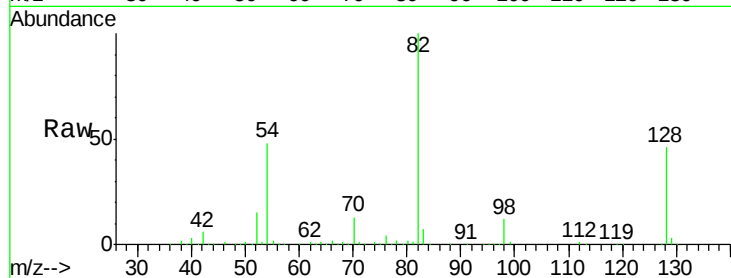




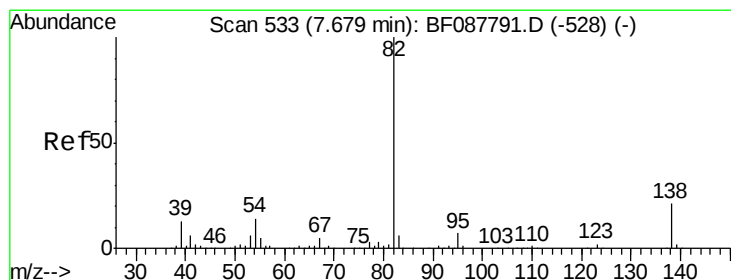
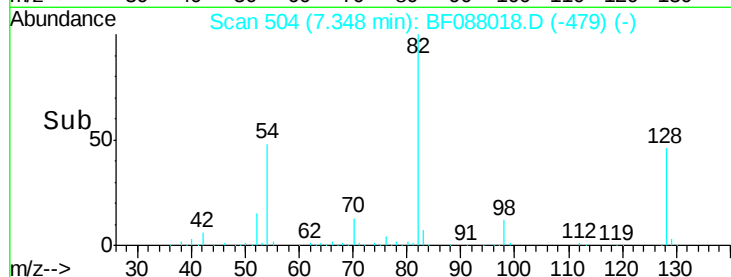
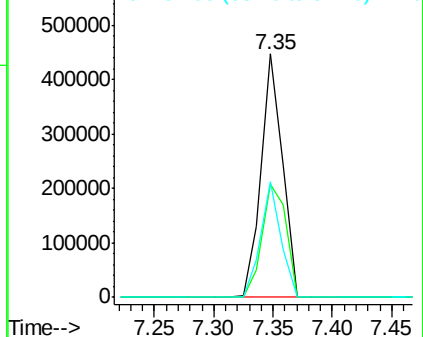
#23
 Nitrobenzene-d5
 Concen: 87.51 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

Tgt Ion: 82 Resp: 568000
 Ion Ratio Lower Upper
 82 100
 128 46.4 35.9 53.9
 54 47.7 40.9 61.3

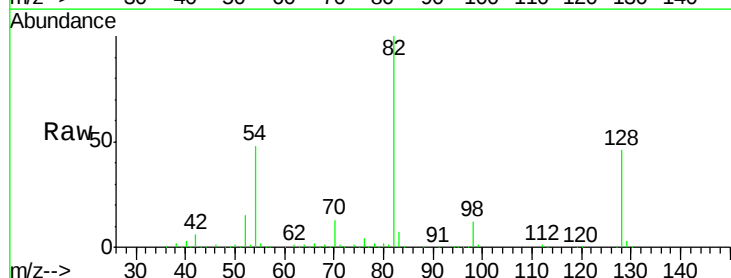


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

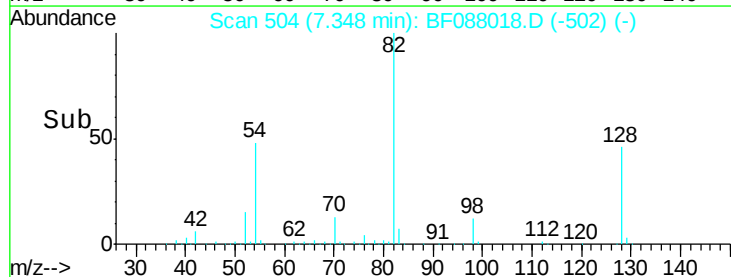
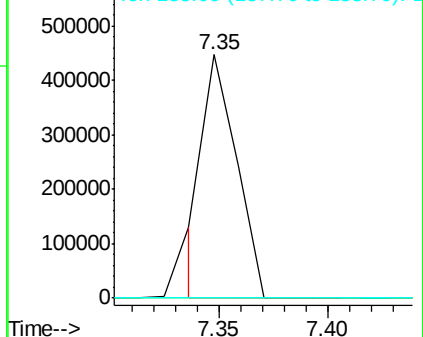


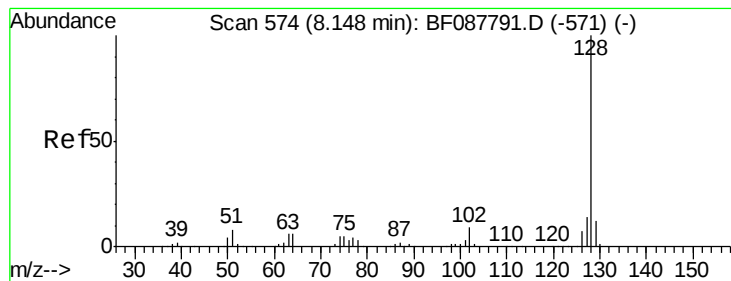
#25
 Isophorone
 Concen: 39.44 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.27 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Tgt Ion: 82 Resp: 474177
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.4 8.2#
 138 0.0 14.6 21.8#



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





#31

Naphthalene

Concen: 2.34 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

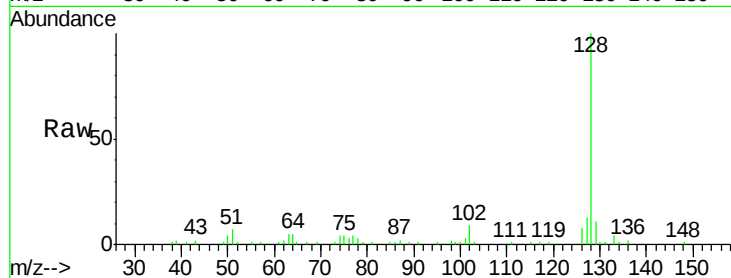
Tgt Ion:128 Resp: 43801

Ion Ratio Lower Upper

128 100

129 10.8 9.4 14.2

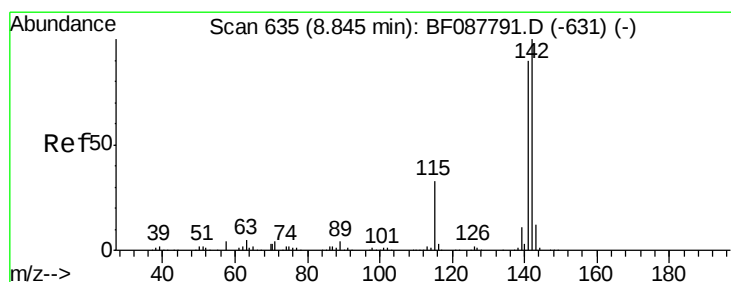
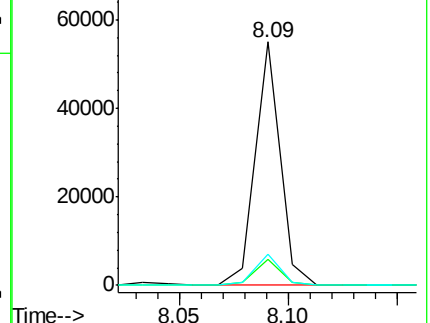
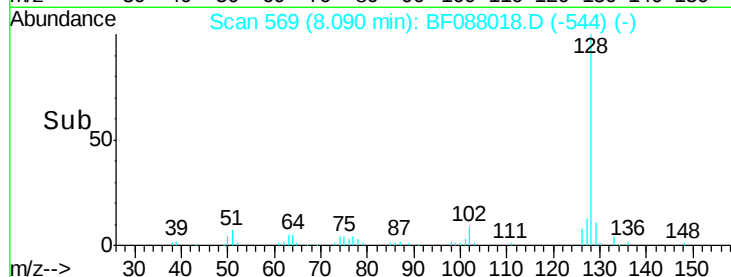
127 12.9 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.35 ng

RT: 8.79 min Scan# 630

Delta R.T. -0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

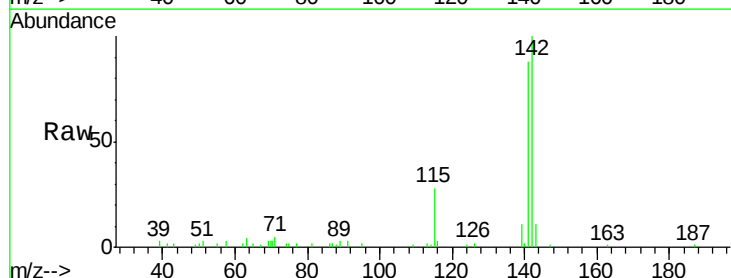
Tgt Ion:142 Resp: 29088

Ion Ratio Lower Upper

142 100

141 88.0 71.0 106.6

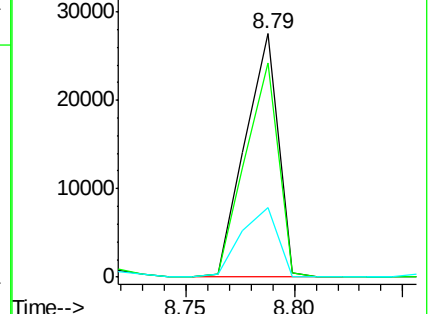
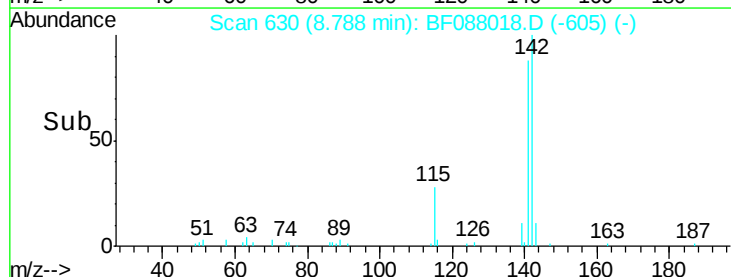
115 28.5 22.6 33.8

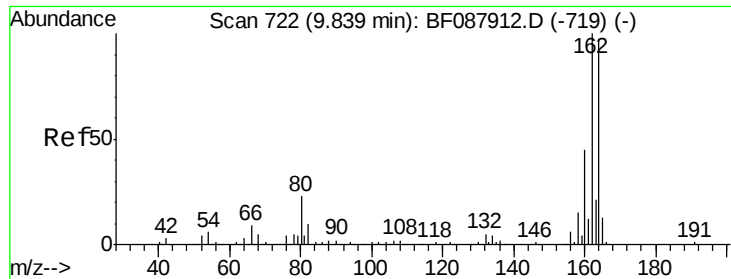


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

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STA-1000-(0-4)

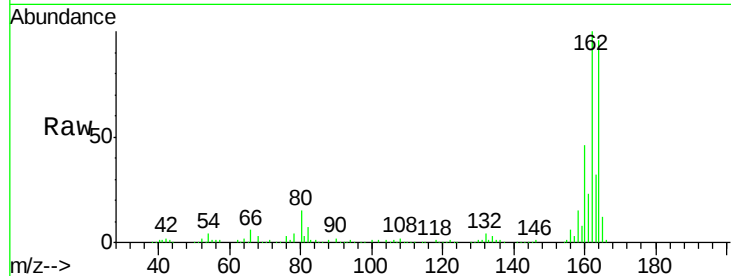
Tgt Ion:164 Resp: 164929

Ion Ratio Lower Upper

164 100

162 104.6 85.4 128.2

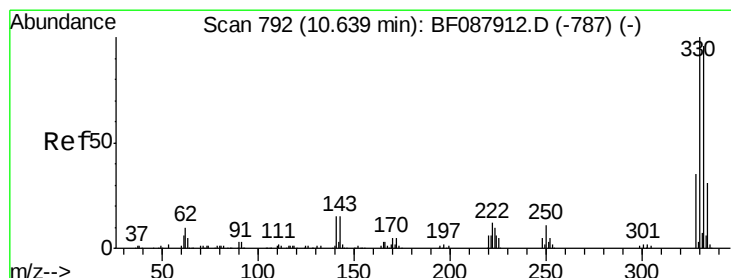
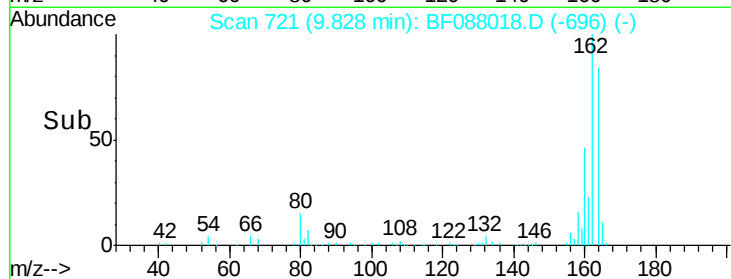
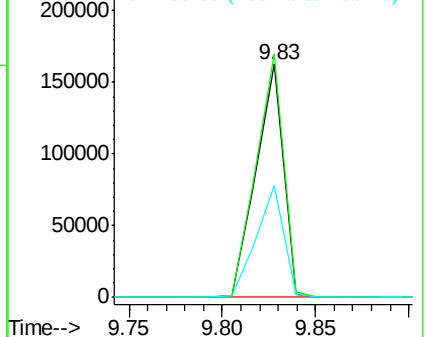
160 47.8 39.5 59.3



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: 95.03 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

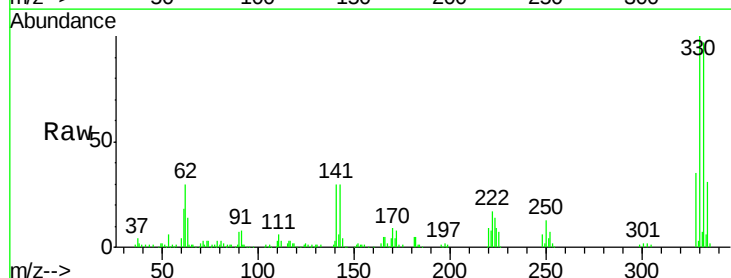
Tgt Ion:330 Resp: 165500

Ion Ratio Lower Upper

330 100

332 97.2 0.0 0.0#

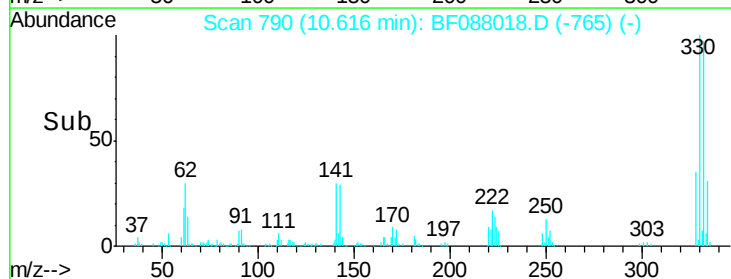
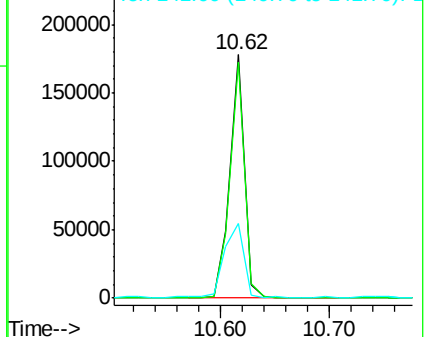
141 41.8 0.0 0.0#

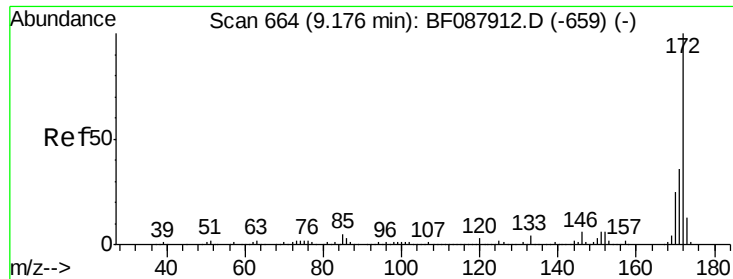


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

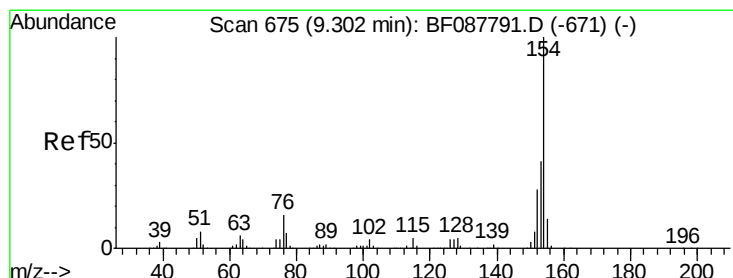
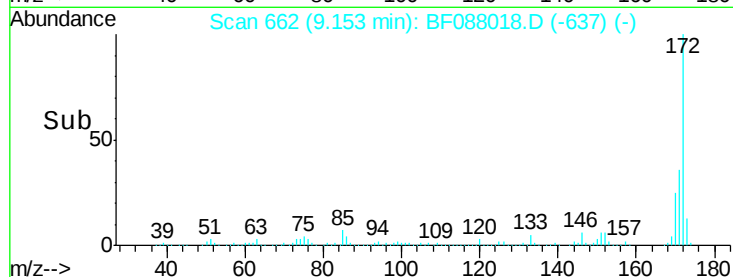
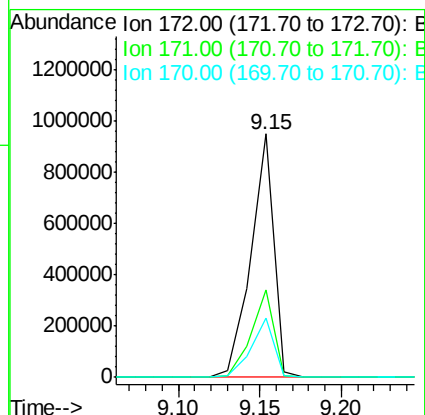
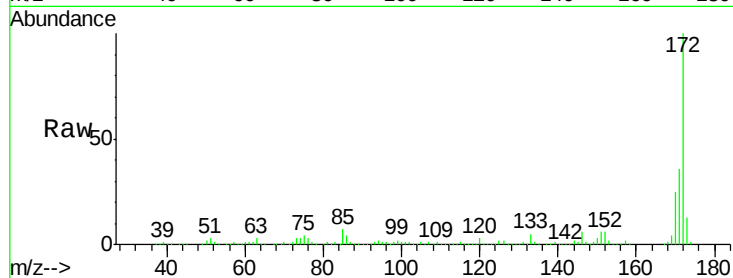




#44
 2-Fluorobiphenyl
 Concen: 87.98 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

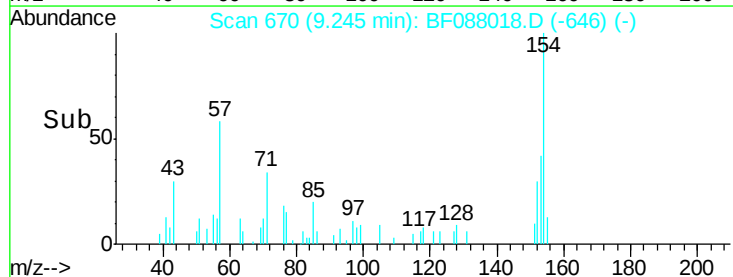
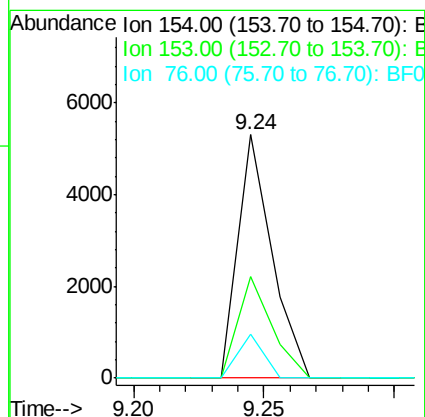
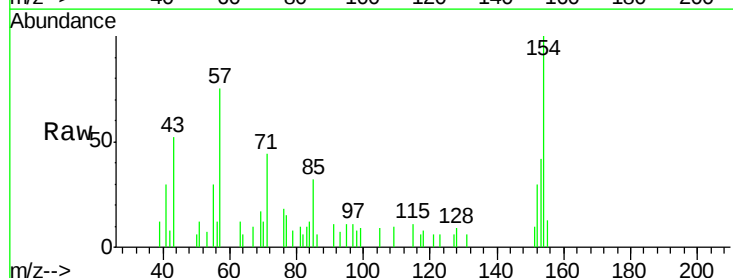
Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

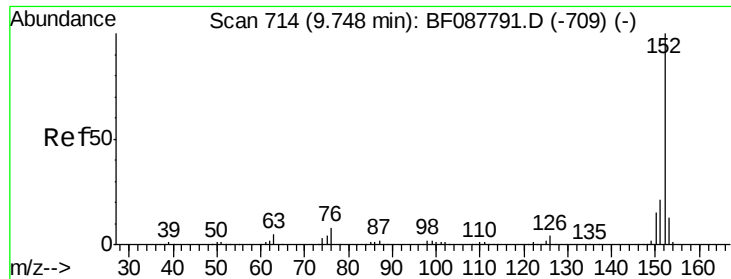
Tgt Ion:172 Resp: 921631
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.6 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Tgt Ion:154 Resp: 4860
 Ion Ratio Lower Upper
 154 100
 153 41.8 20.6 60.6
 76 18.3 0.0 35.1





#48

Acenaphthylene

Concen: 3.76 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

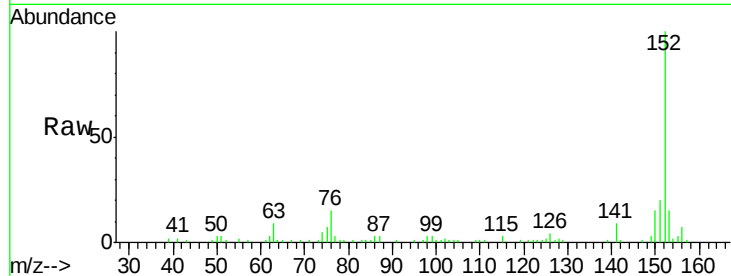
Tgt Ion:152 Resp: 63833

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

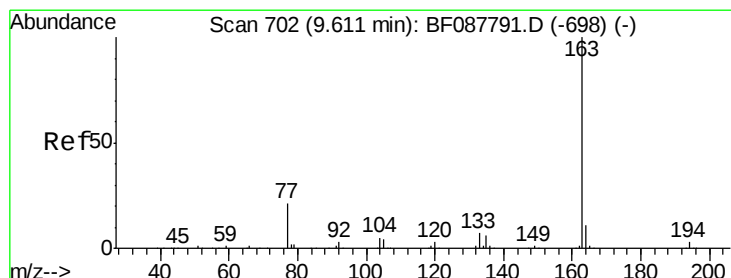
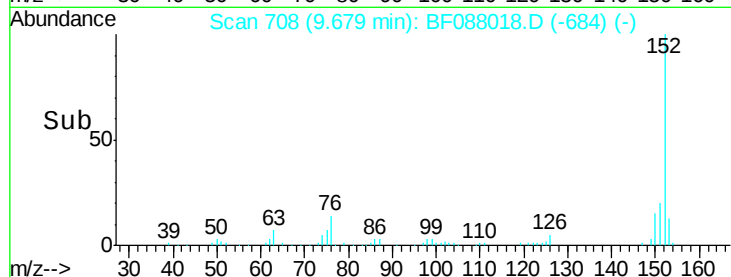
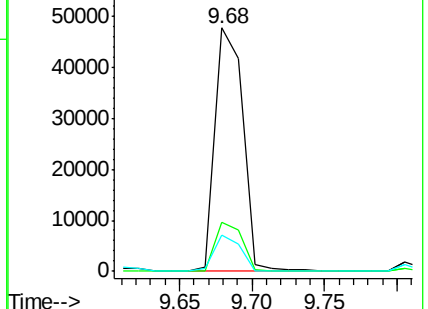
153 15.0 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 19.84 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

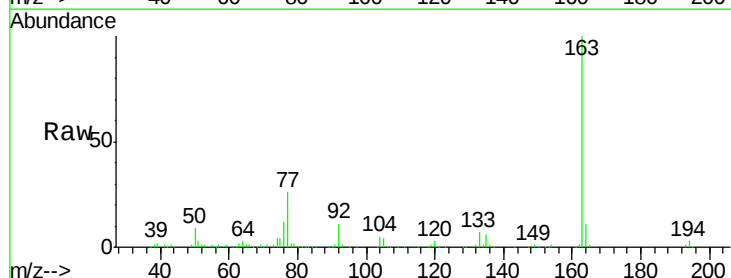
Tgt Ion:163 Resp: 237068

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

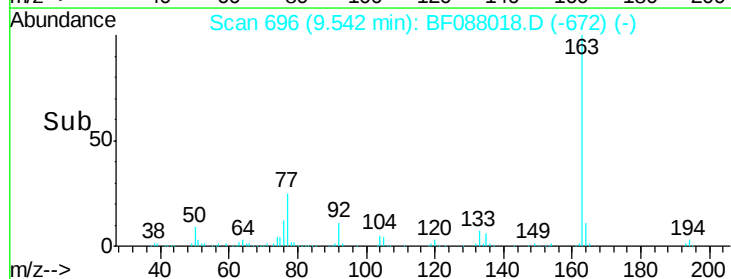
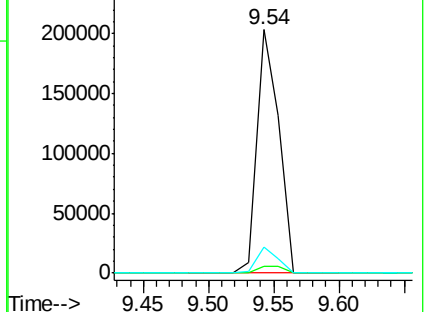
164 10.7 8.3 12.5

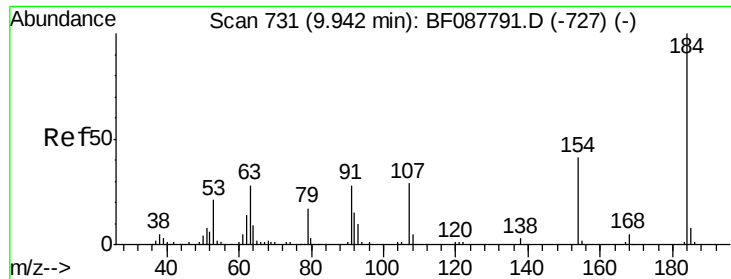


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

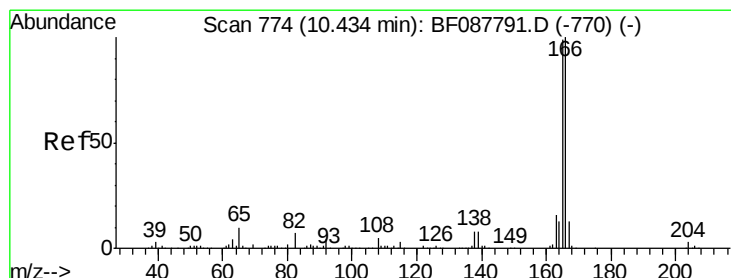
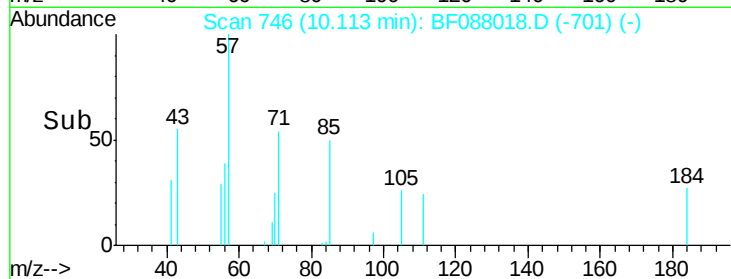
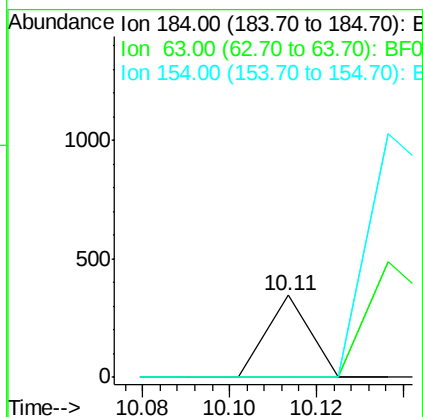
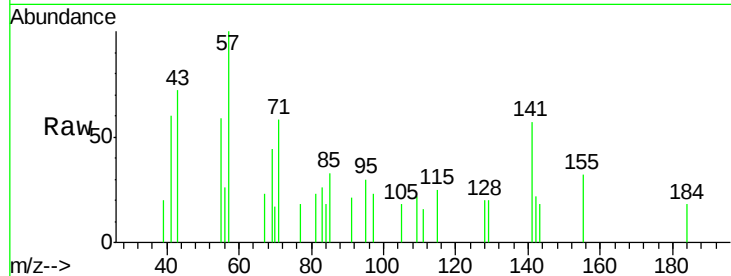




#53
 2,4-Dinitrophenol
 Concen: 3.30 ng
 RT: 10.11 min Scan# 746
 Delta R.T. 0.22 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

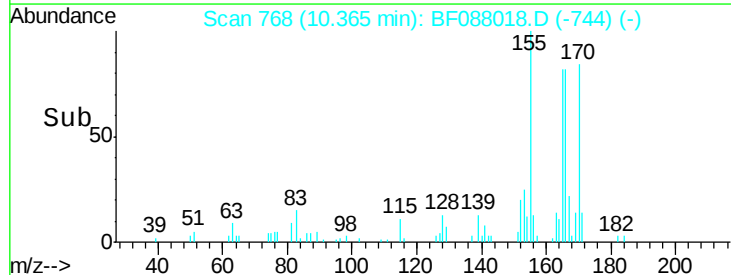
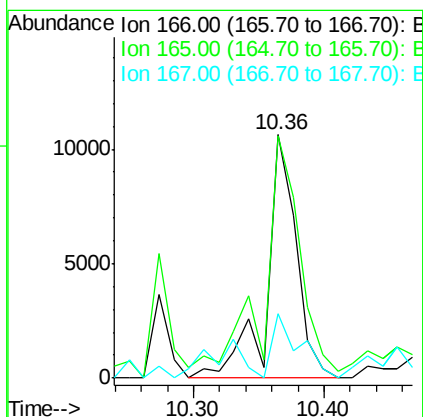
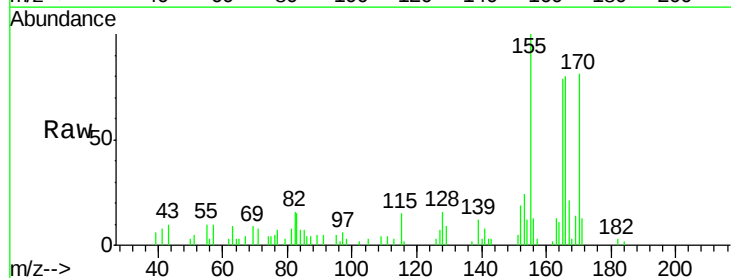
Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

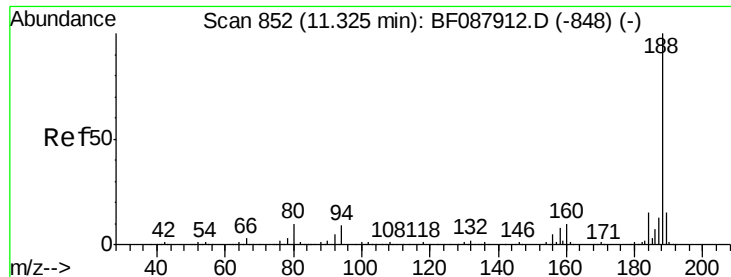
Tgt Ion:184 Resp: 238
 Ion Ratio Lower Upper
 184 100
 63 0.0 57.6 86.4#
 154 0.0 53.5 80.3#



#57
 Fluorene
 Concen: Below Cal
 RT: 10.36 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Tgt Ion:166 Resp: 16980
 Ion Ratio Lower Upper
 166 100
 165 99.8 77.8 116.8
 167 26.6 11.2 16.8#

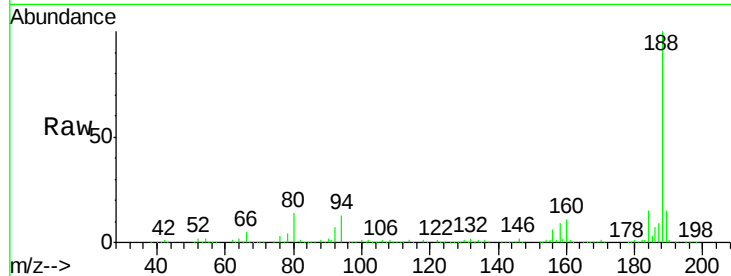




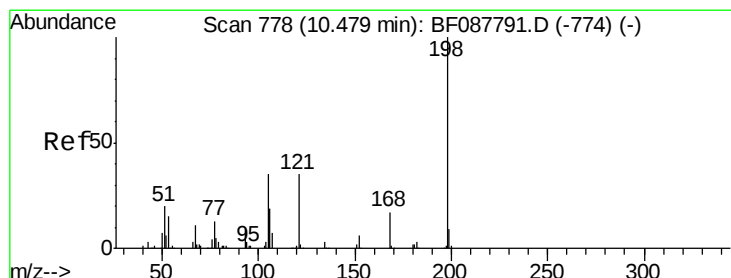
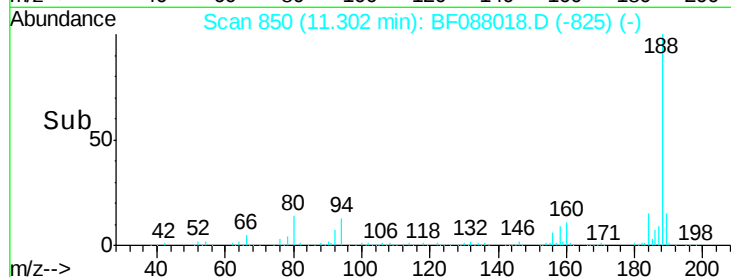
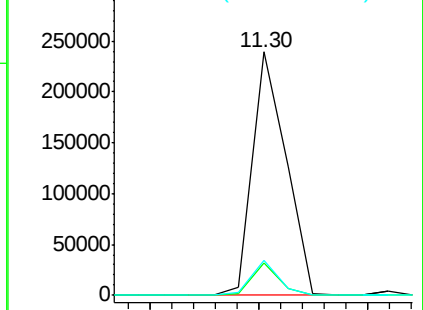
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

Tgt Ion:188 Resp: 257220
 Ion Ratio Lower Upper
 188 100
 94 13.4 9.0 13.6
 80 14.3 10.0 15.0

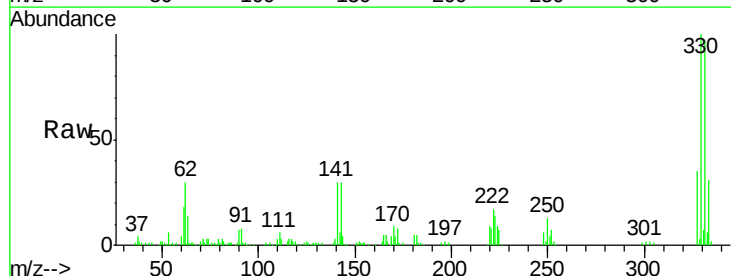


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

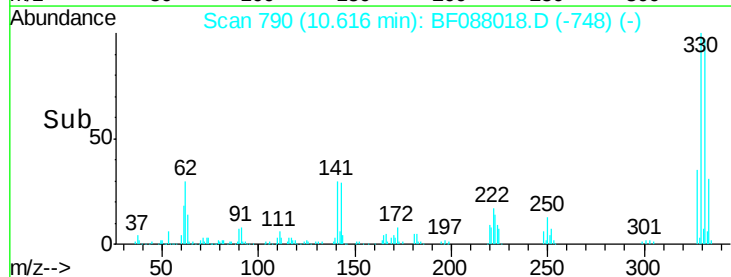
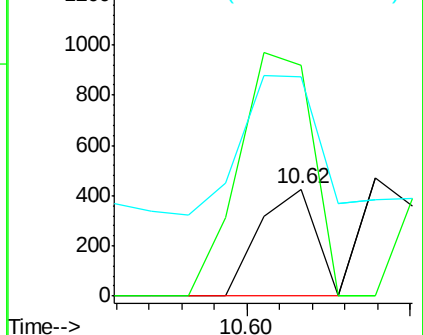


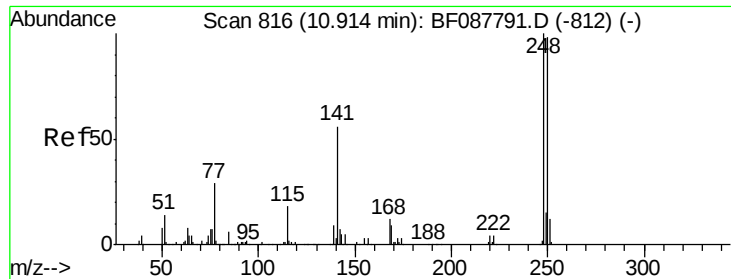
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.47 ng
 RT: 10.62 min Scan# 790
 Delta R.T. 0.18 min
 Lab File: BF088018.D
 Acq: 15 Jun 2016 00:52

Tgt Ion:198 Resp: 511
 Ion Ratio Lower Upper
 198 100
 51 215.5 39.6 79.6#
 105 204.7 36.6 76.6#



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

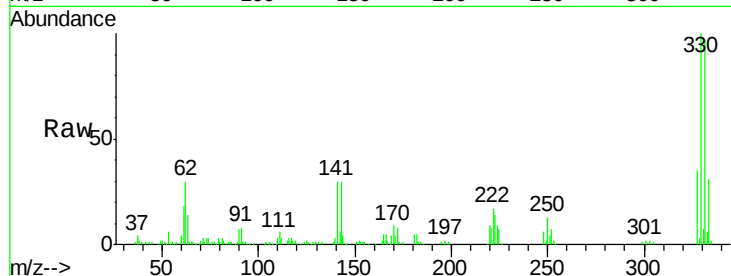




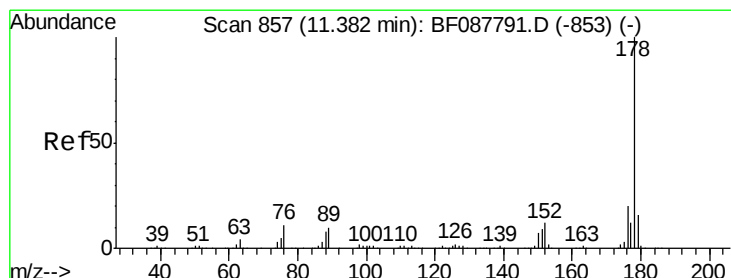
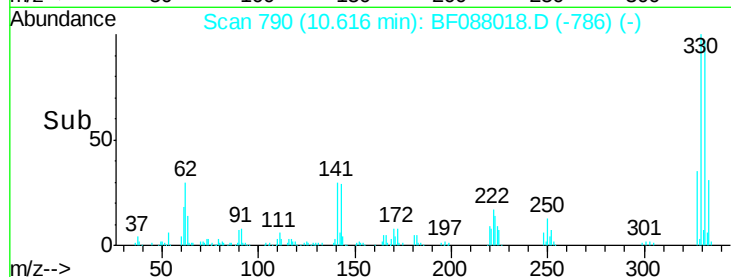
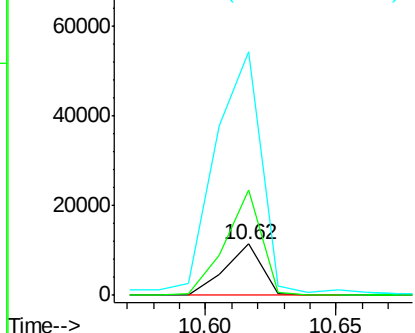
#66
4-Bromophenyl-phenylether
Concen: 4.11 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.25 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Instrument :
BNA_F
ClientSampleId :
STA-1000-(0-4)

Tgt Ion:248 Resp: 11330
Ion Ratio Lower Upper
248 100
250 204.4 77.1 115.7#
141 472.3 50.6 76.0#

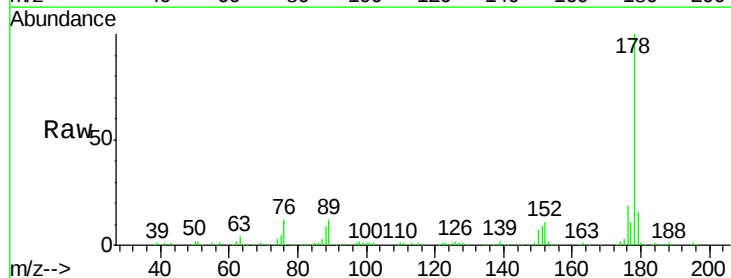


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

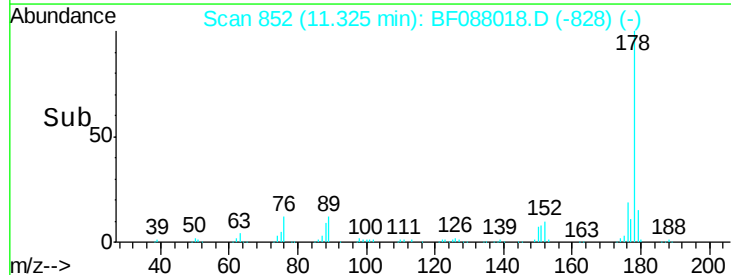
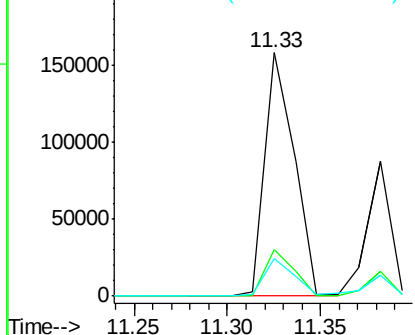


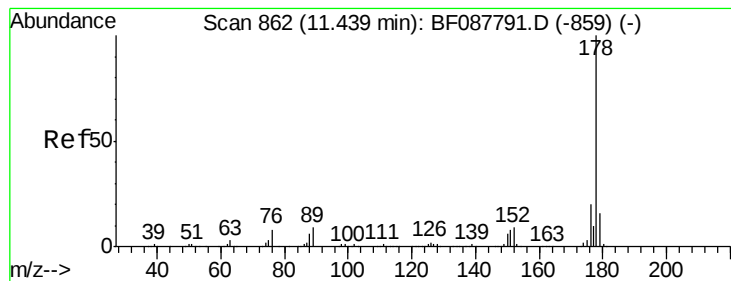
#70
Phenanthrene
Concen: 12.72 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF088018.D
Acq: 15 Jun 2016 00:52

Tgt Ion:178 Resp: 171745
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.7 13.0 19.4



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: 5.61 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

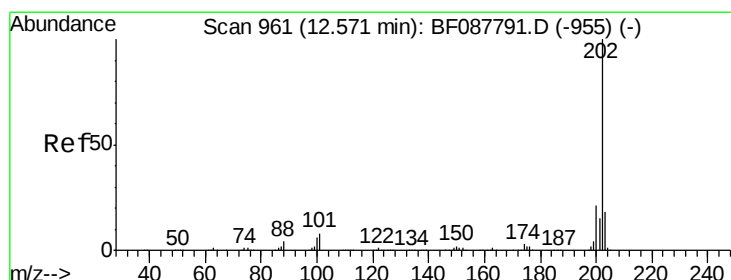
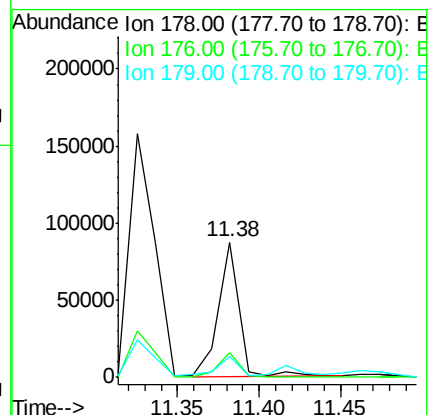
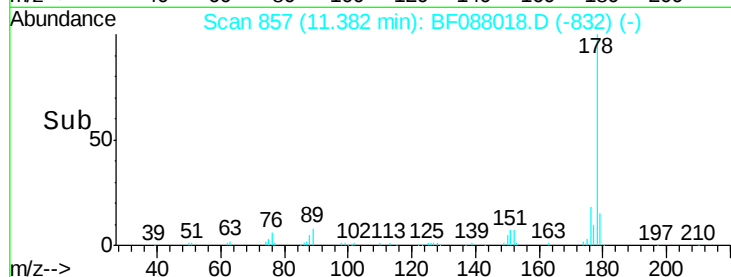
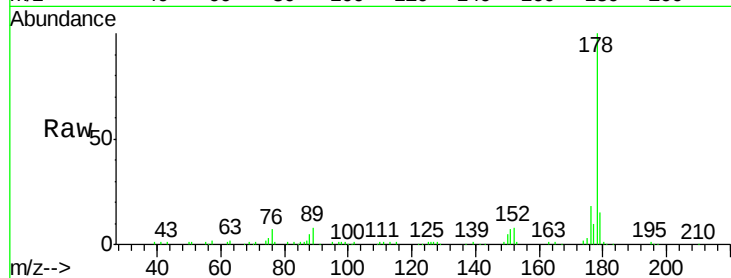
Tgt Ion:178 Resp: 76429

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

179 15.2 12.8 19.2



#74

Fluoranthene

Concen: 28.81 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

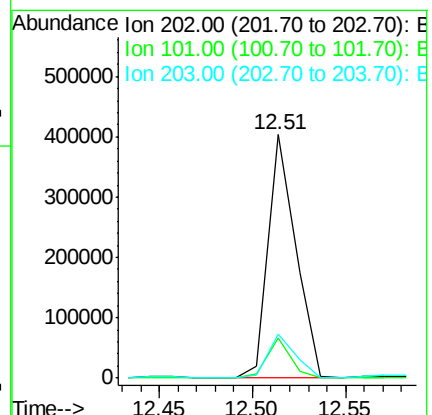
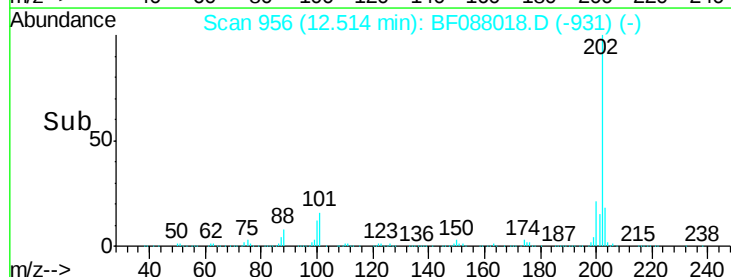
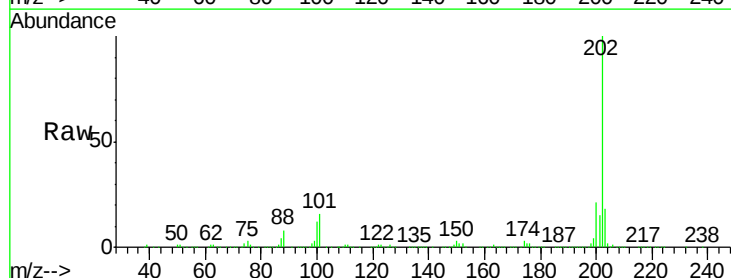
Tgt Ion:202 Resp: 410324

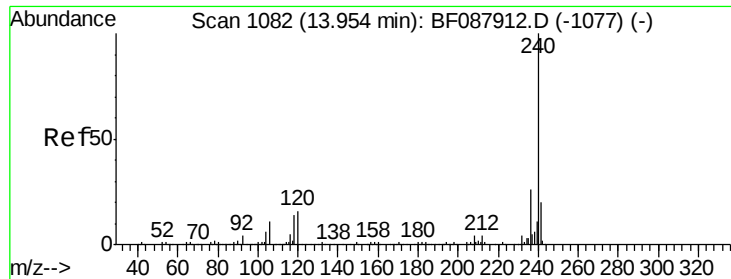
Ion Ratio Lower Upper

202 100

101 16.3 0.0 33.1

203 18.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

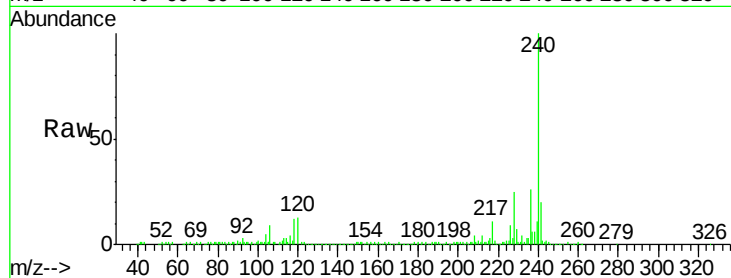
Tgt Ion:240 Resp: 242415

Ion Ratio Lower Upper

240 100

120 13.4 6.8 10.2#

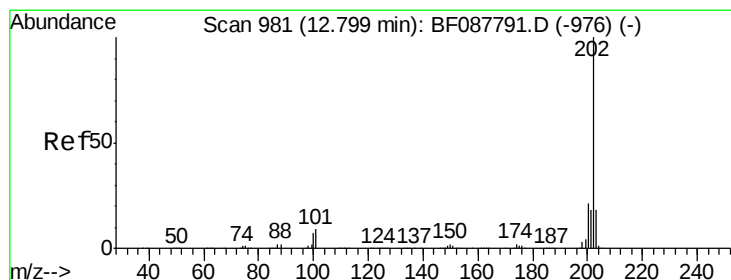
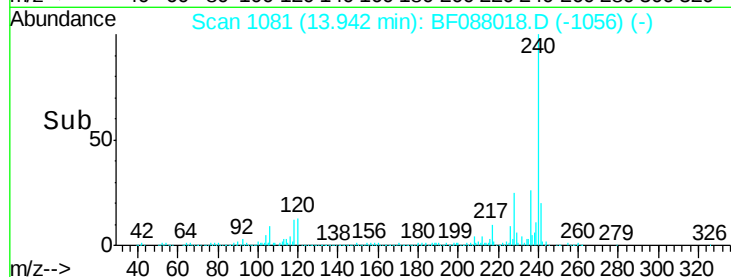
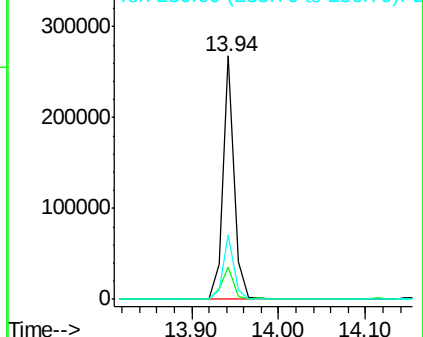
236 26.2 20.2 30.2



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: 23.19 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

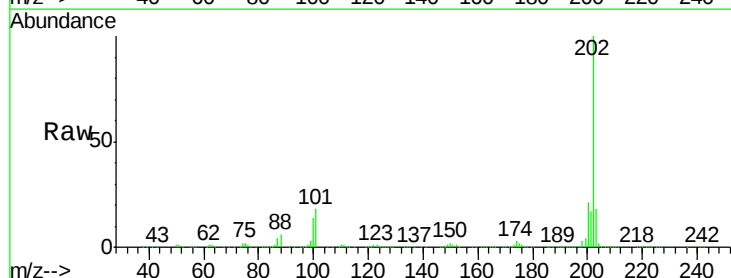
Tgt Ion:202 Resp: 417084

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

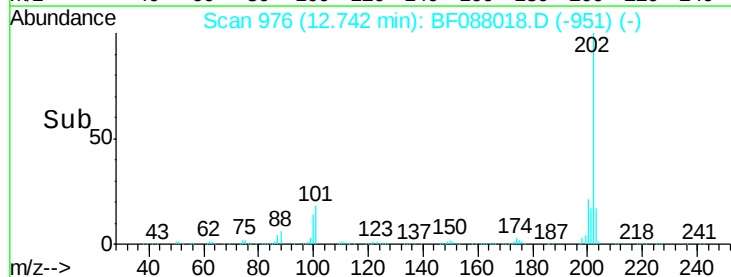
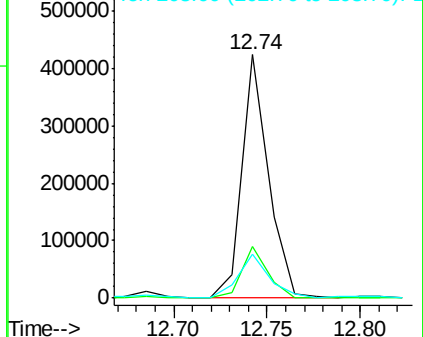
203 18.1 14.5 21.7

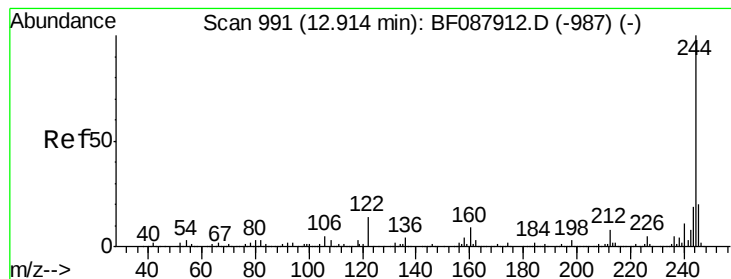


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.21 ng

RT: 12.89 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

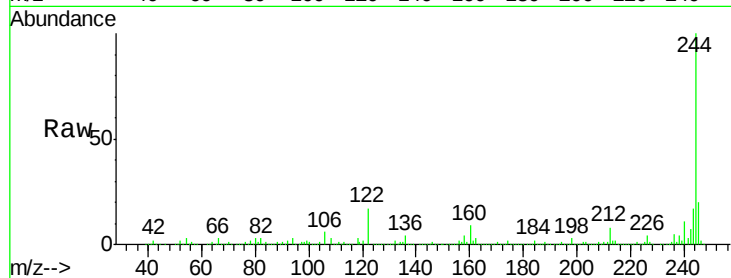
Tgt Ion:244 Resp: 673349

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

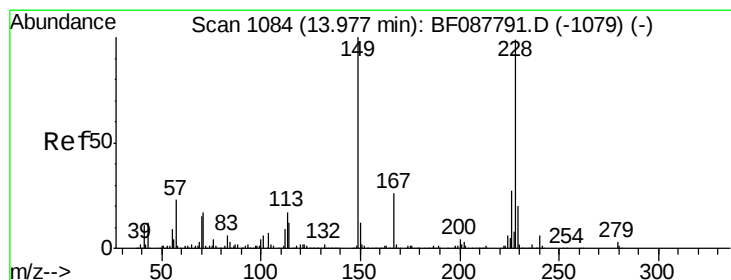
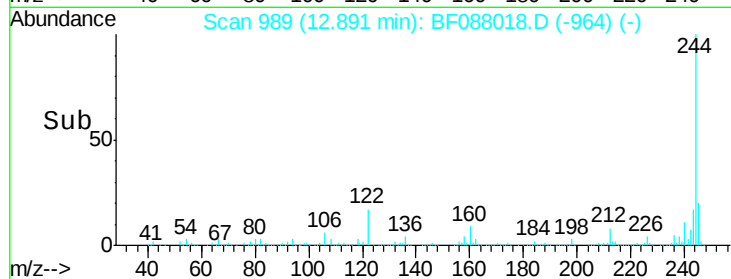
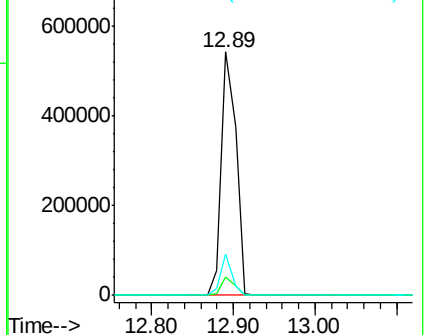
122 16.8 11.2 16.8



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: 22.33 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088018.D

Acq: 15 Jun 2016 00:52

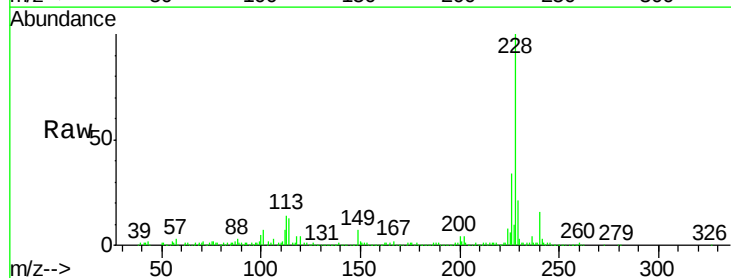
Tgt Ion:228 Resp: 308487

Ion Ratio Lower Upper

228 100

226 34.2 22.3 33.5#

229 20.9 16.0 24.0



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

