

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083738.D
 Acq On : 13 Dec 2015 19:24
 Operator : UM/IZ
 Sample : G4648-18
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 02:31:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	123763	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	509552	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	231285	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	420839	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	298399	20.00	ng	-0.02
86) Perylene-d12	15.49	264	247576	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	894528	116.60	ng	0.00
7) Phenol-d6	6.54	99	1098236	113.04	ng	0.00
23) Nitrobenzene-d5	7.47	82	671559	73.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	282341	119.80	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	1106673	65.55	ng	-0.01
78) Terphenyl-d14	13.01	244	958844	69.12	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.42	88	655	0.18	ng	# 42
6) Aniline	6.56	93	292	0.02	ng	# 1
8) 2-Chlorophenol	6.70	128	684	0.08	ng	# 29
9) Benzaldehyde	6.68	77	18825	3.61	ng	# 88
10) Phenol	6.56	94	13359	1.19	ng	# 66
11) bis(2-Chloroethyl)ether	6.68	93	1090	0.13	ng	# 1
15) Benzyl Alcohol	7.07	79	11136	1.56	ng	# 50
19) n-Nitroso-di-n-propylamine	7.47	70	87158	14.65	ng	# 73
24) Nitrobenzene	7.47	77	2072	0.22	ng	# 39
25) Isophorone	7.47	82	619153	34.65	ng	# 69
31) Naphthalene	8.22	128	719	0.03	ng	# 69
45) 1,1'-Biphenyl	9.28	154	2500	0.12	ng	# 1
47) 2-Nitroaniline	9.66	65	2649	0.62	ng	# 1
49) Dimethylphthalate	9.66	163	267391	14.83	ng	# 98
50) 2,6-Dinitrotoluene	9.66	165	2803	0.73	ng	# 18
51) Acenaphthene	9.95	154	751	0.05	ng	# 4
56) 2,4-Dinitrotoluene	9.95	165	29799	5.96	ng	# 12
57) Fluorene	10.74	166	14141	0.88	ng	# 91
59) Diethylphthalate	10.37	149	1378	0.08	ng	# 60
62) Azobenzene	10.66	77	211	0.01	ng	# 3
64) 4,6-Dinitro-2-methylphenol	10.74	198	689	0.29	ng	# 1
65) n-Nitrosodiphenylamine	10.74	169	9346	0.65	ng	# 42
66) 4-Bromophenyl-phenylether	10.74	248	20264	4.31	ng	# 1
70) Phenanthrene	11.45	178	661	0.03	ng	# 60
71) Anthracene	11.45	178	661	0.03	ng	# 60
73) Di-n-butylphthalate	12.00	149	8472	0.32	ng	# 99
74) Fluoranthene	12.64	202	423	0.02	ng	# 64
77) Pyrene	12.87	202	400	0.02	ng	# 57
80) Benzo(a)anthracene	14.05	228	1390	0.08	ng	# 51
82) Chrysene	14.05	228	1390	0.08	ng	# 49
83) Bis(2-ethylhexyl)phthalate	14.05	149	6059	0.53	ng	# 98
84) Di-n-octyl phthalate	14.64	149	247	0.01	ng	# 100
87) Benzo(b)fluoranthene	15.07	252	245	0.02	ng	# 59
88) Benzo(k)fluoranthene	15.07	252	245	0.02	ng	# 57

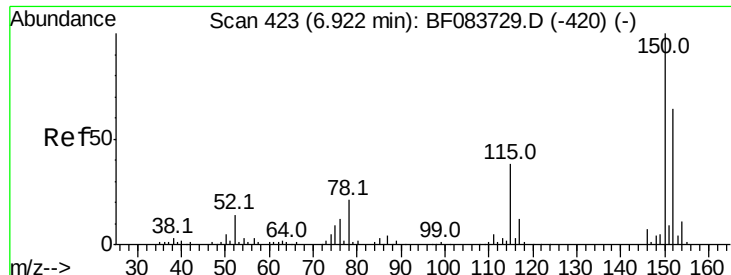
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083738.D
Acq On : 13 Dec 2015 19:24
Operator : UM/IZ
Sample : G4648-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Time: Dec 14 02:31:24 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 01:30:12 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	15.49	252	423	0.03	ng	# 59

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampled :

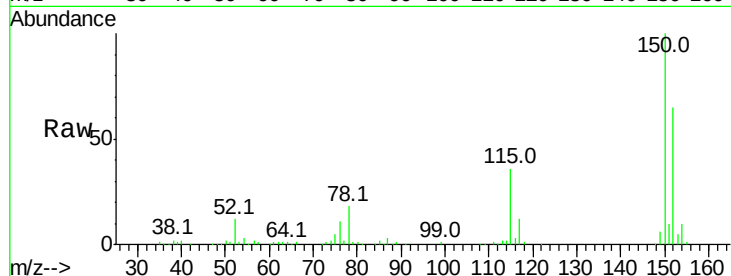
Tot Ion:152 Resp: 123763

Ion Ratio Lower Upper

152 100

150 154.0 126.5 189.7

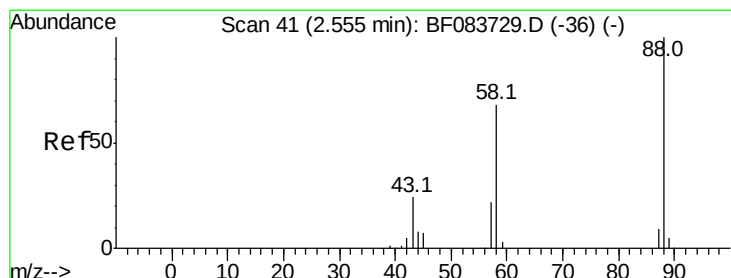
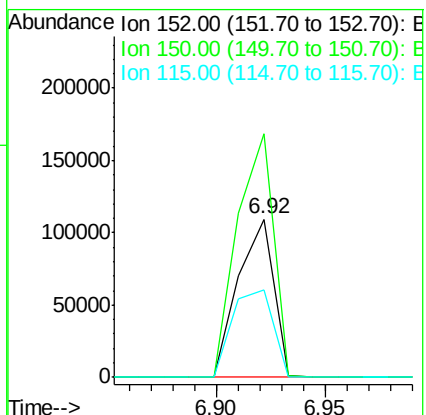
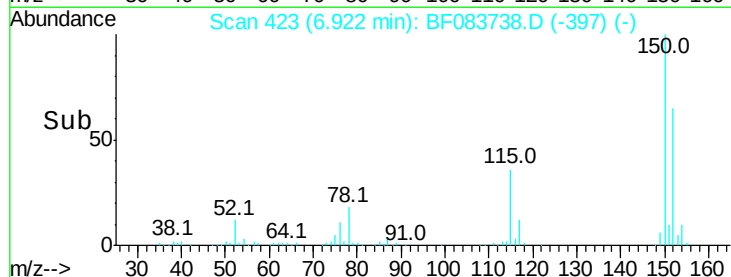
115 55.1 52.3 78.5



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



#2

1,4-Dioxane

Concen: 0.18 ng

RT: 2.42 min Scan# 29

Delta R.T. -0.15 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

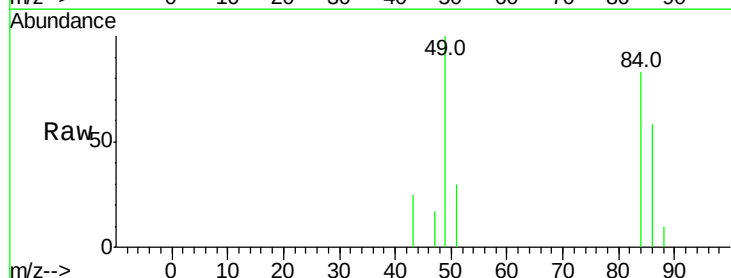
Tgt Ion: 88 Resp: 655

Ion Ratio Lower Upper

88 100

58 32.8 68.0 102.0#

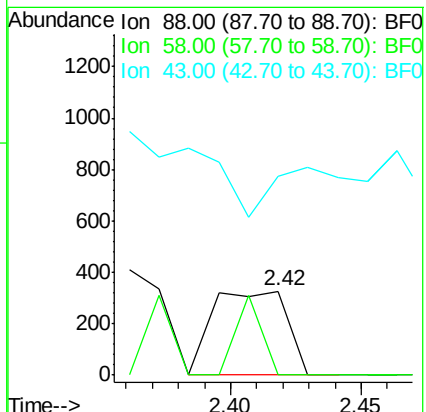
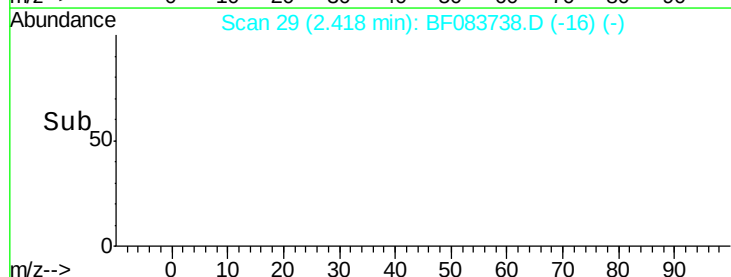
43 0.0 27.9 41.9#

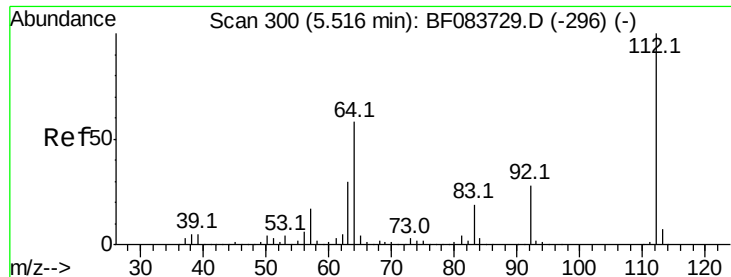


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 116.60 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :
BNA_F
ClientSampleId :

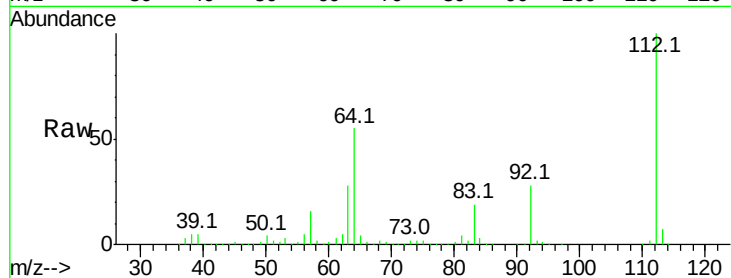
Tot Ion:112 Resp: 894528

Ion Ratio Lower Upper

112 100

64 54.8 50.5 75.7

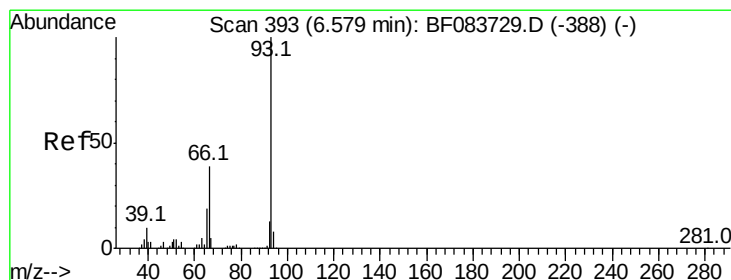
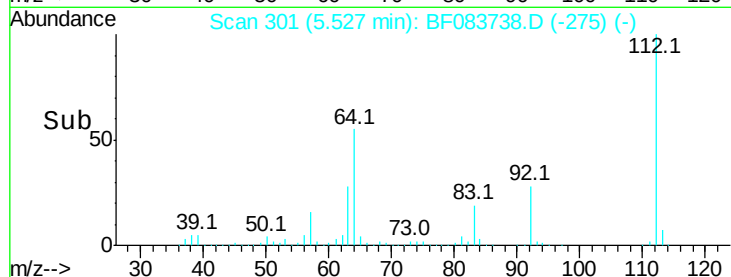
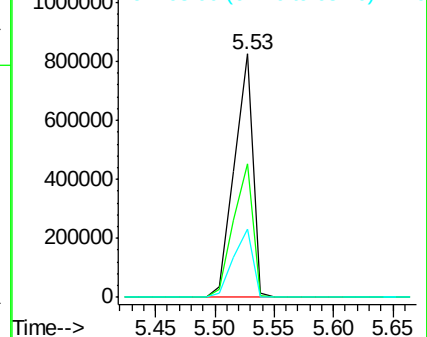
63 28.2 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.02 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.02 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

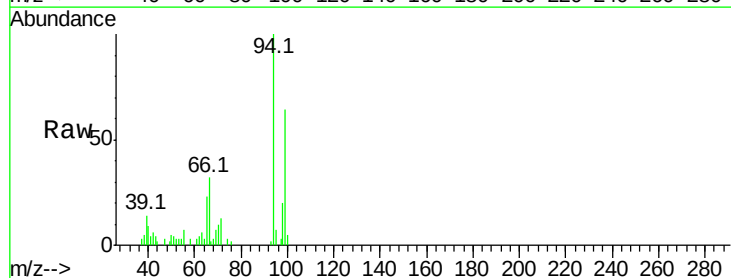
Tgt Ion: 93 Resp: 292

Ion Ratio Lower Upper

93 100

66 1370.4 41.3 61.9#

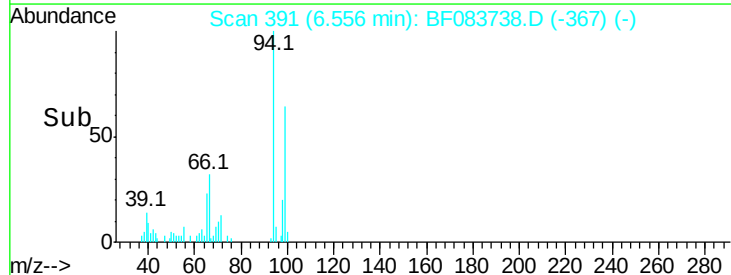
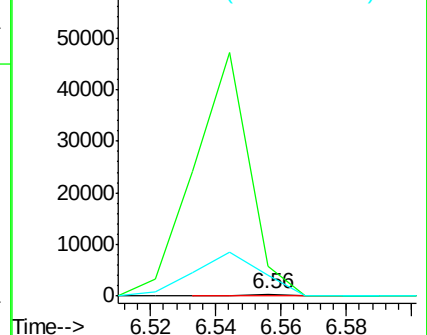
65 959.9 20.8 31.2#

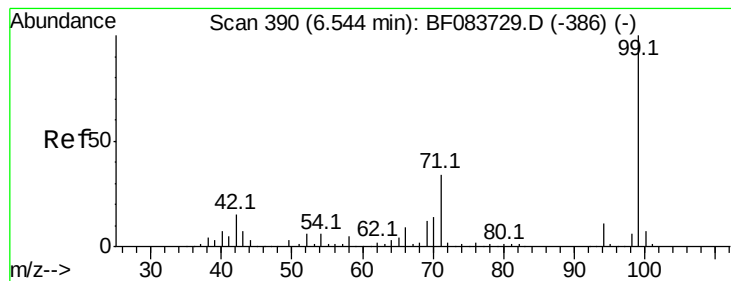


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 113.04 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

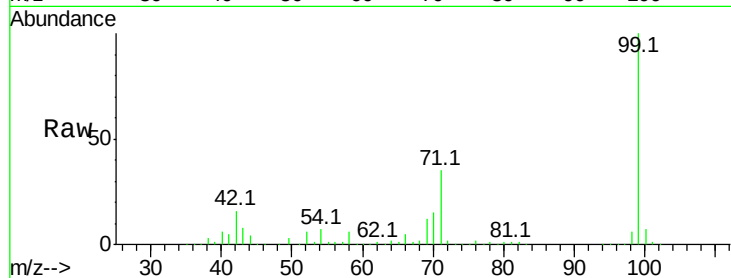
Instrument :

BNA_F

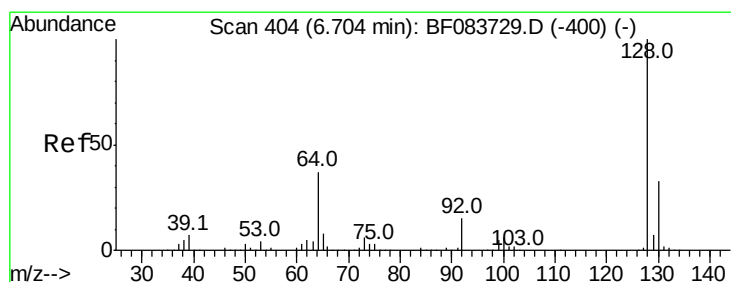
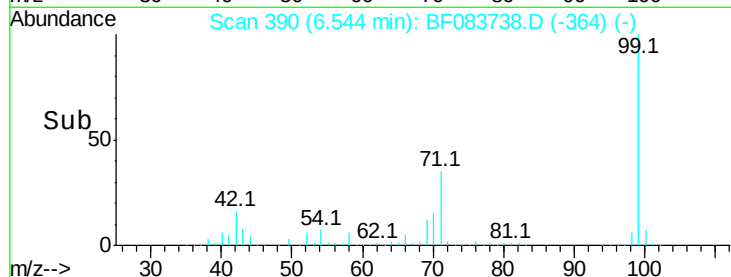
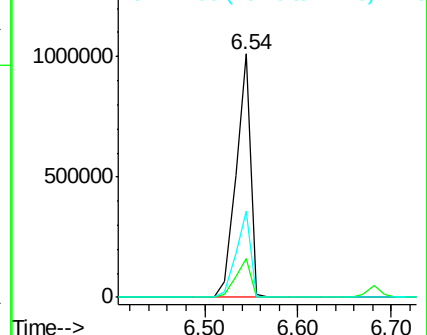
ClientSampleId :

Tot Ion: 99 Resp: 1098236

Ion	Ratio	Lower	Upper
99	100		
42	15.9	17.3	25.9#
71	35.4	26.6	40.0



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



#8

2-Chlorophenol

Concen: 0.08 ng

RT: 6.70 min Scan# 404

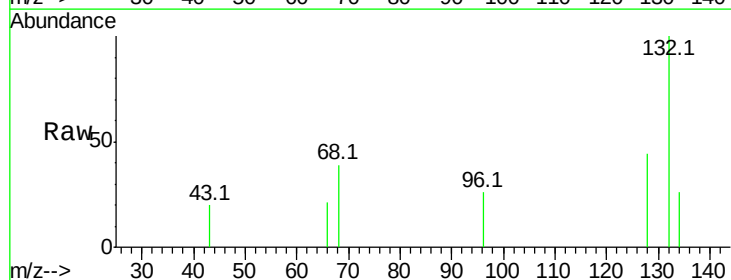
Delta R.T. 0.00 min

Lab File: BF083738.D

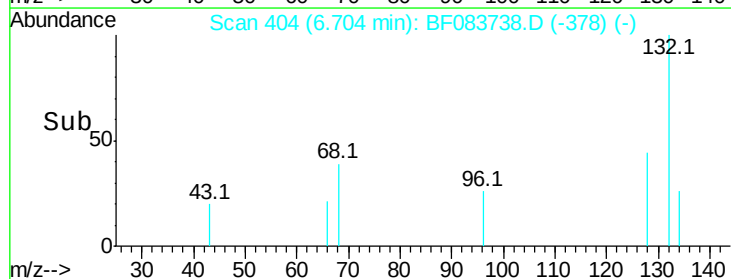
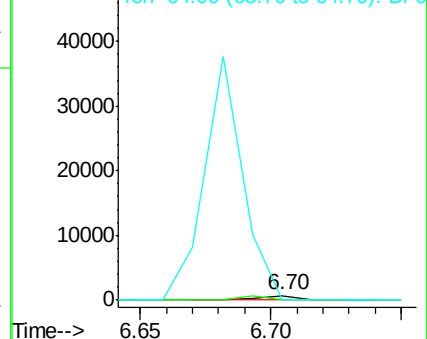
Acq: 13 Dec 2015 19:24

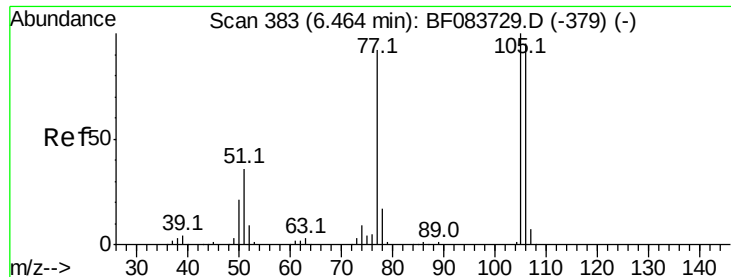
Tgt Ion: 128 Resp: 684

Ion	Ratio	Lower	Upper
128	100		
130	0.0	12.6	52.6#
64	0.0	38.6	78.6#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

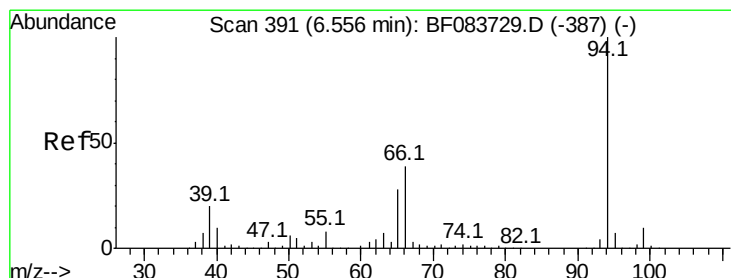
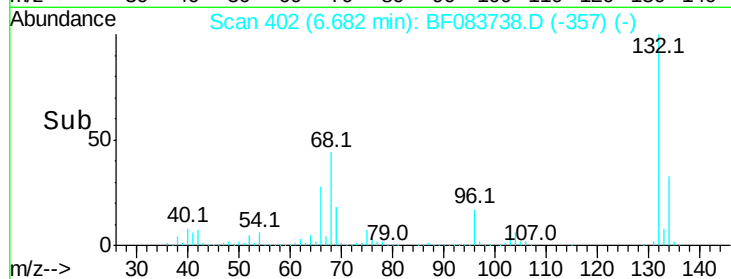
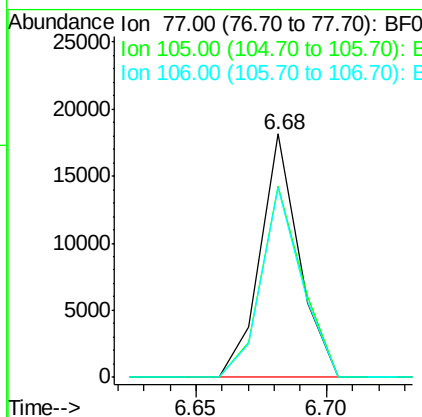
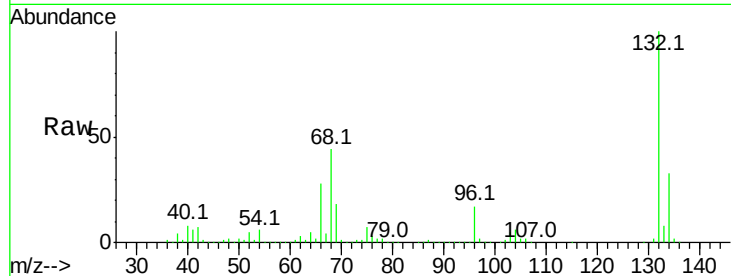




#9
Benzaldehyde
Concen: 3.61 ng
RT: 6.68 min Scan# 402
Delta R.T. 0.22 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

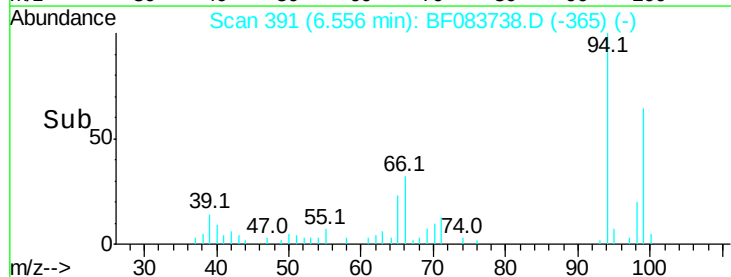
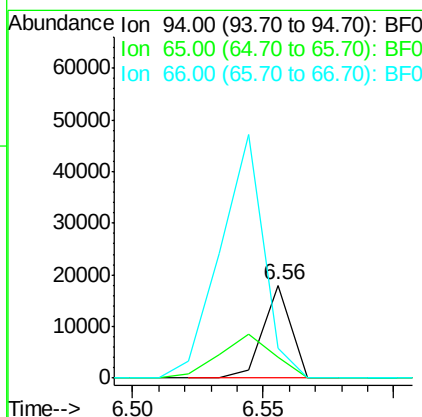
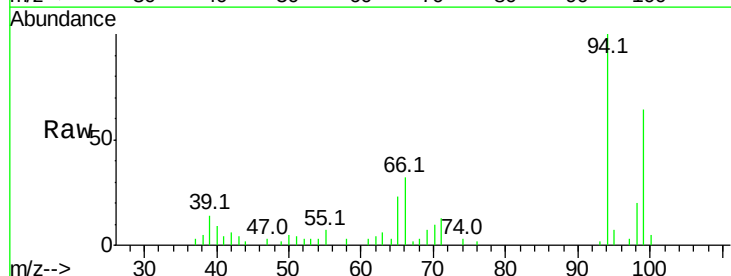
Instrument :
BNA_F
ClientSampled :

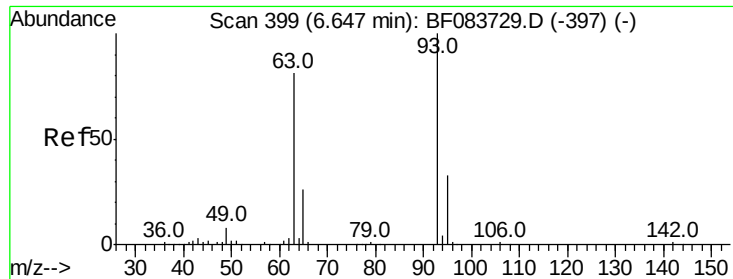
Tot Ion: 77 Resp: 18825
Ion Ratio Lower Upper
77 100
105 78.8 71.8 111.8
106 77.9 66.8 106.8



#10
Phenol
Concen: 1.19 ng
RT: 6.56 min Scan# 391
Delta R.T. 0.00 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

Tgt Ion: 94 Resp: 13359
Ion Ratio Lower Upper
94 100
65 22.7 20.9 60.9
66 32.4 41.6 81.6#





#11

bis(2-Chloroethyl)ether

Concen: 0.13 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.02 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :

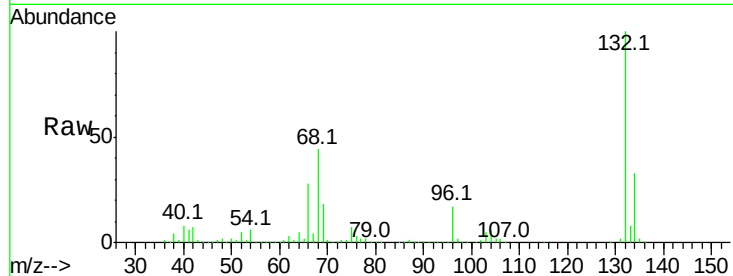
Tot Ion: 93 Resp: 1090

Ion Ratio Lower Upper

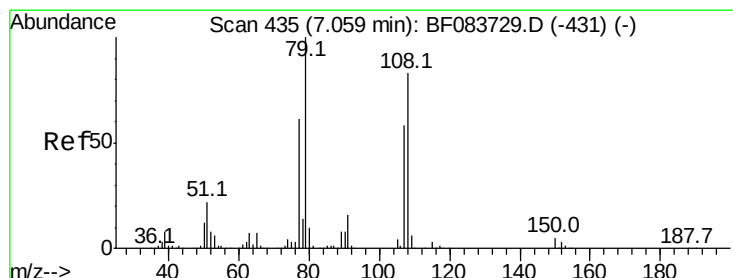
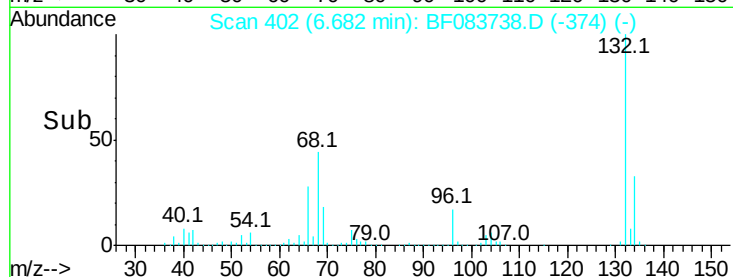
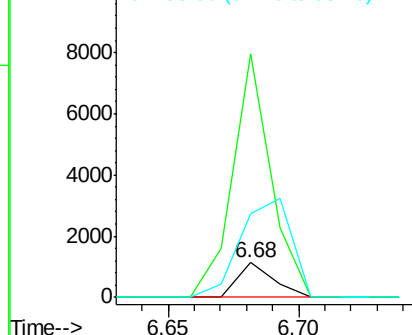
93 100

63 697.0 64.7 104.7#

95 240.1 12.7 52.7#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0



#15

Benzyl Alcohol

Concen: 1.56 ng

RT: 7.07 min Scan# 436

Delta R.T. 0.01 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

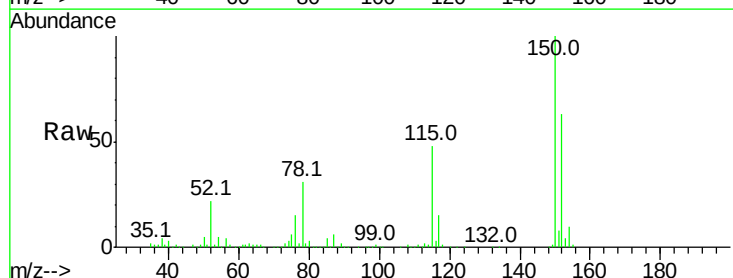
Tgt Ion: 79 Resp: 11136

Ion Ratio Lower Upper

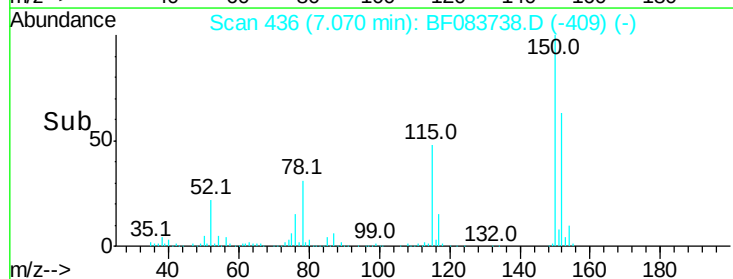
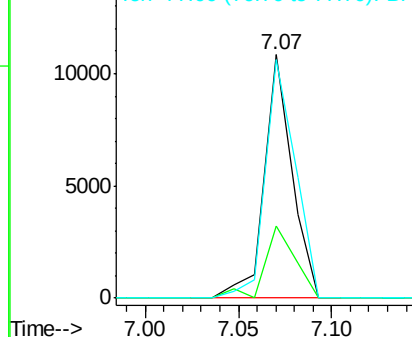
79 100

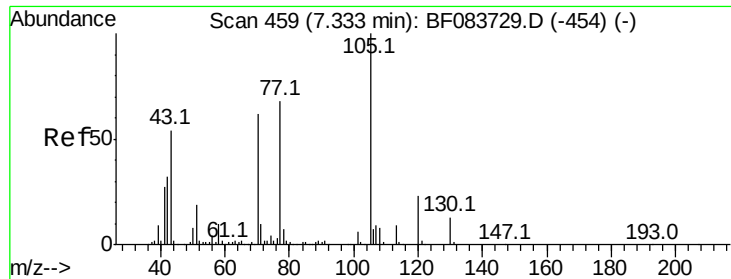
108 29.6 59.6 89.4#

77 97.8 49.8 74.6#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

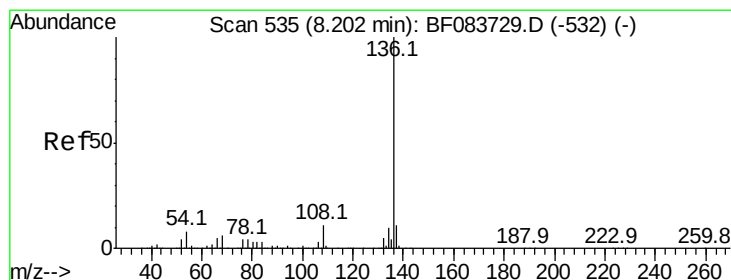
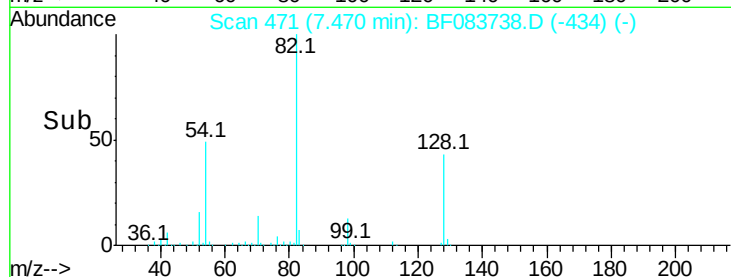
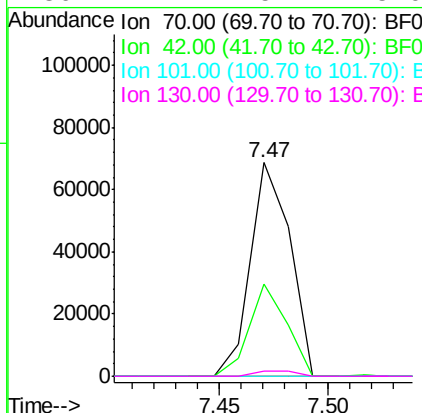
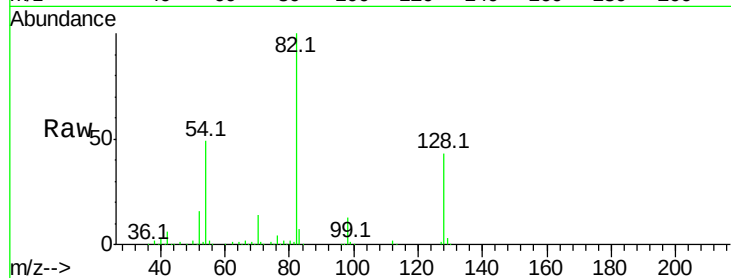




#19
n-Nitroso-di-n-propylamine
Concen: 14.65 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.13 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

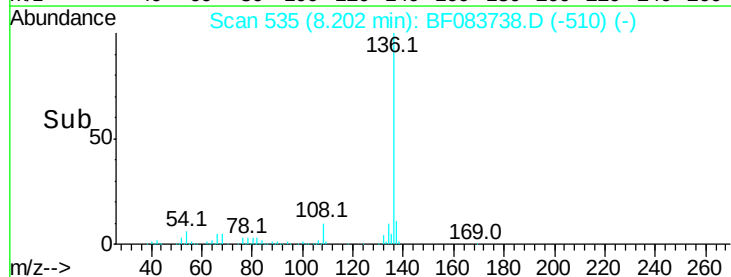
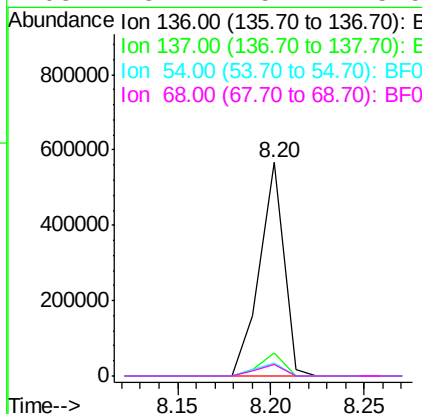
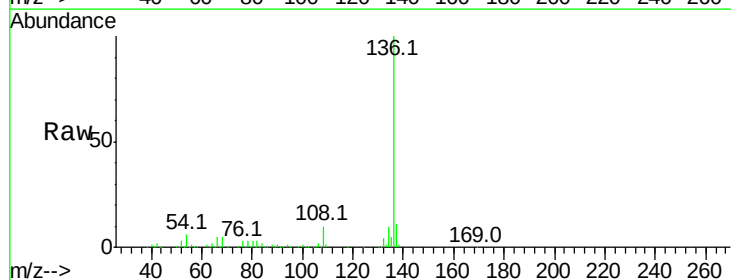
Instrument :
BNA_F
ClientSampleId :

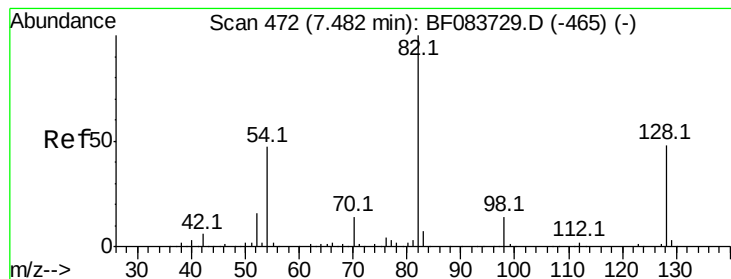
Tot Ion: 70 Resp: 87158
Ion Ratio Lower Upper
70 100
42 43.3 49.2 73.8#
101 0.0 7.1 10.7#
130 2.2 15.4 23.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

Tgt Ion:136 Resp: 509552
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.2 7.8 11.6#
68 5.4 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 73.73 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :

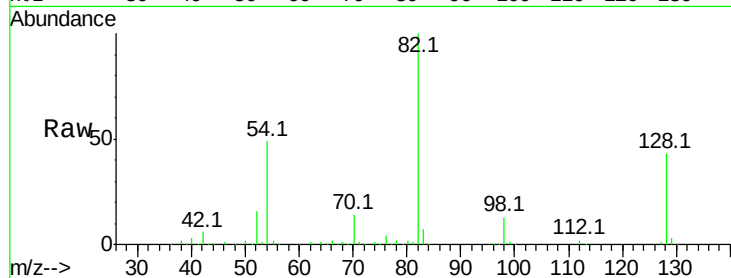
Tot Ion: 82 Resp: 671559

Ion Ratio Lower Upper

82 100

128 43.4 30.7 46.1

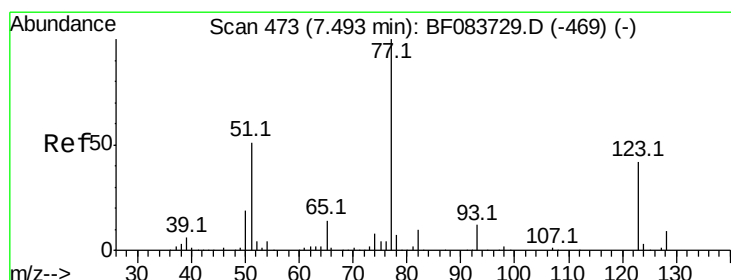
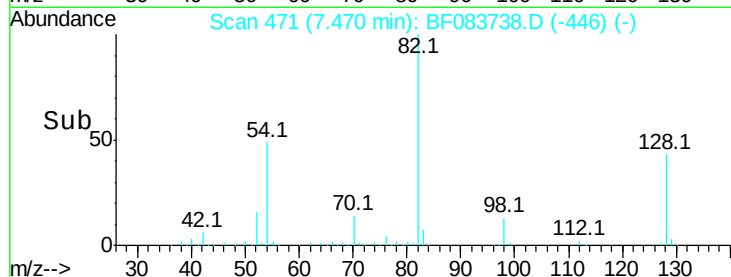
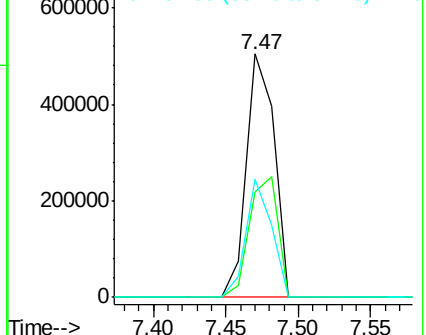
54 48.7 42.5 63.7



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



#24

Nitrobenzene

Concen: 0.22 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.03 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

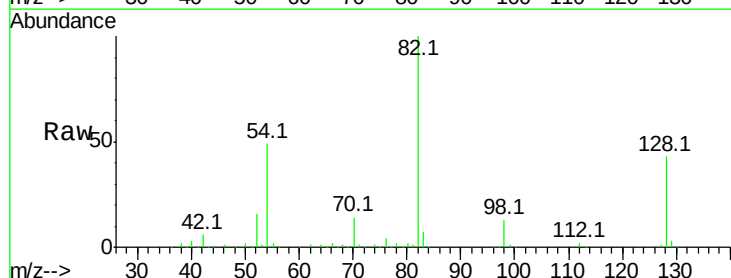
Tgt Ion: 77 Resp: 2072

Ion Ratio Lower Upper

77 100

123 0.0 29.8 44.6#

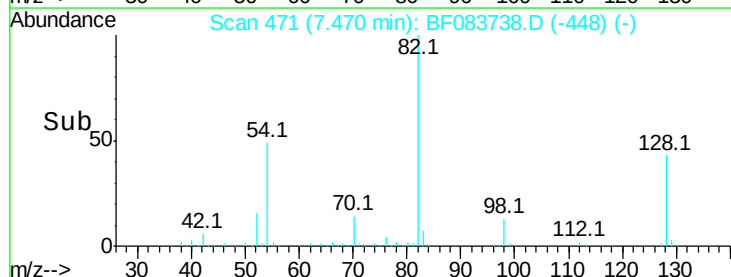
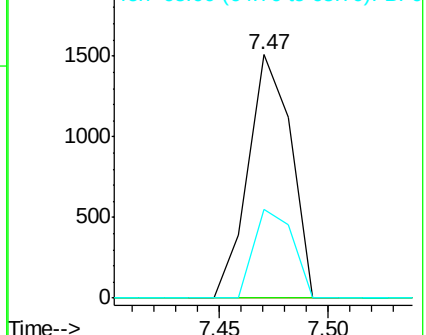
65 36.7 11.1 16.7#

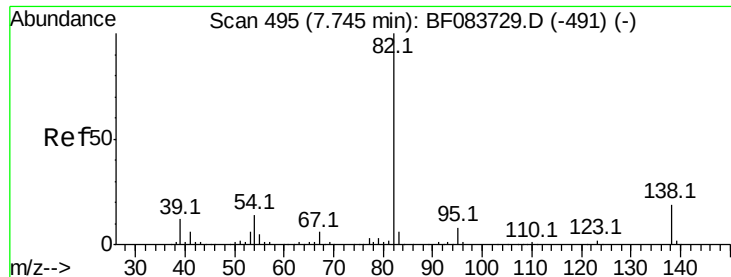


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 34.65 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.27 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :

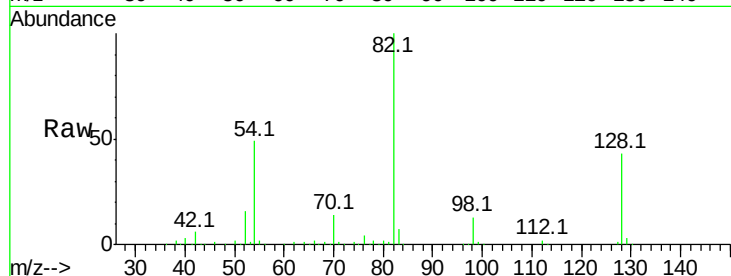
Tot Ion: 82 Resp: 619153

Ion Ratio Lower Upper

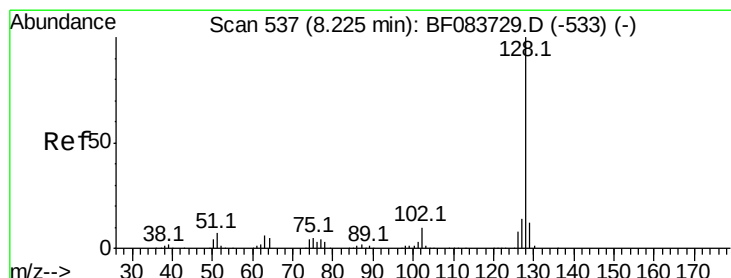
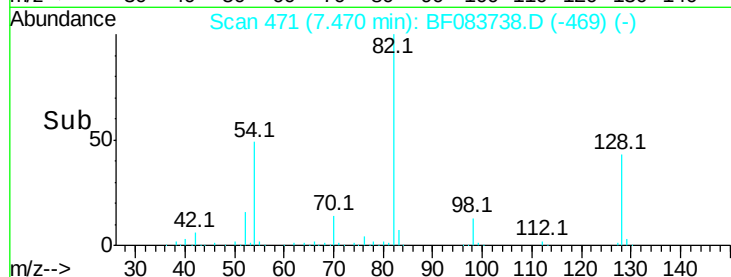
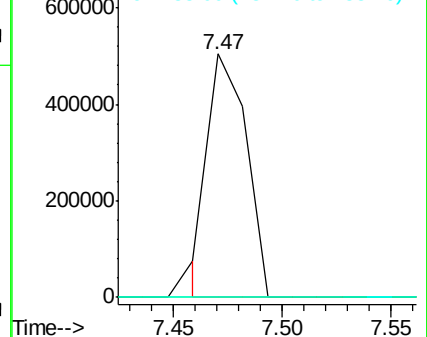
82 100

95 0.0 5.0 7.4#

138 0.0 12.1 18.1#



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): E



#31

Naphthalene

Concen: 0.03 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

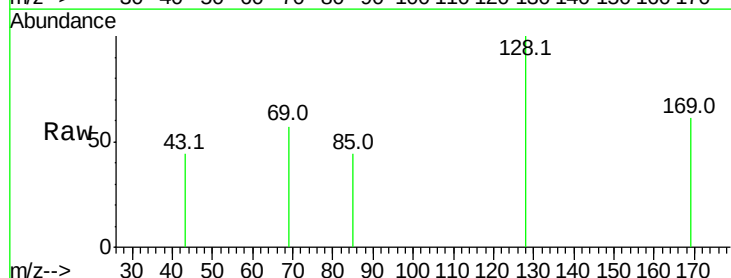
Tgt Ion: 128 Resp: 719

Ion Ratio Lower Upper

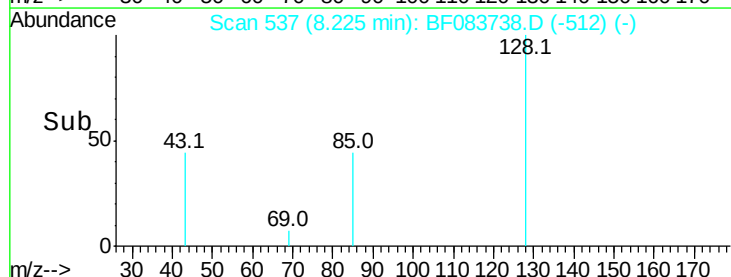
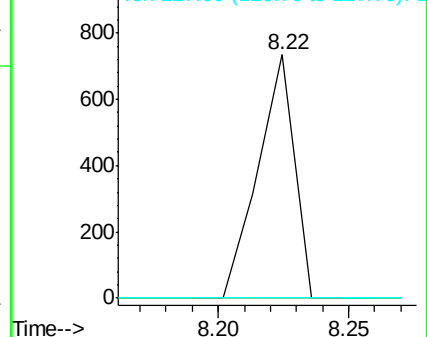
128 100

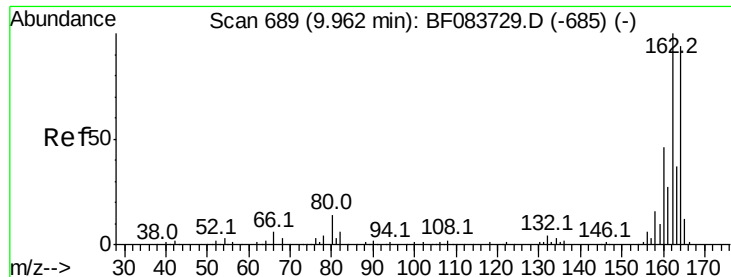
129 0.0 8.6 13.0#

127 0.0 10.6 16.0#



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

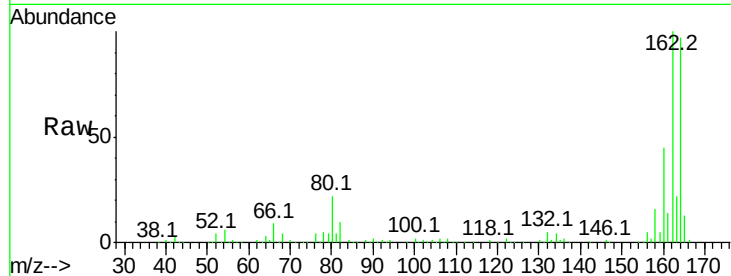




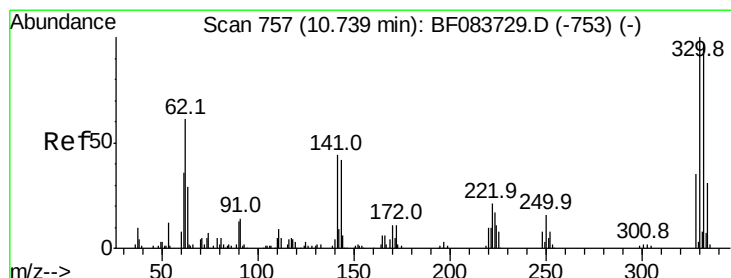
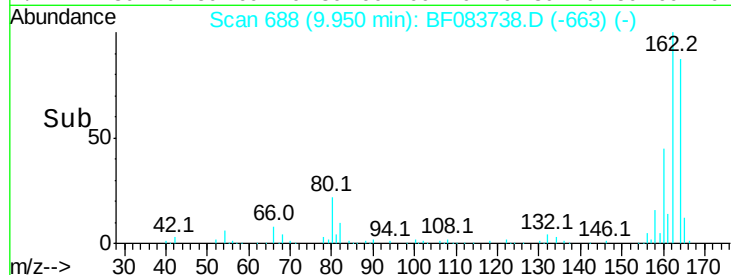
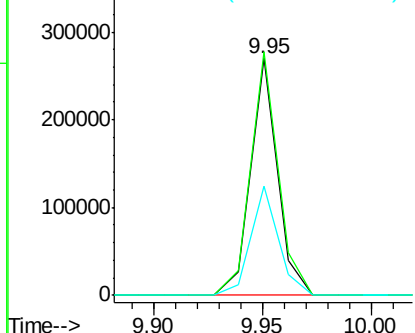
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF083738.D
 Acq: 13 Dec 2015 19:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 231285
 Ion Ratio Lower Upper
 164 100
 162 102.7 78.8 118.2
 160 46.1 33.4 50.2

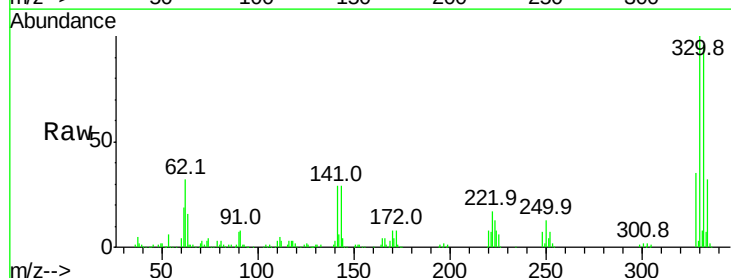


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

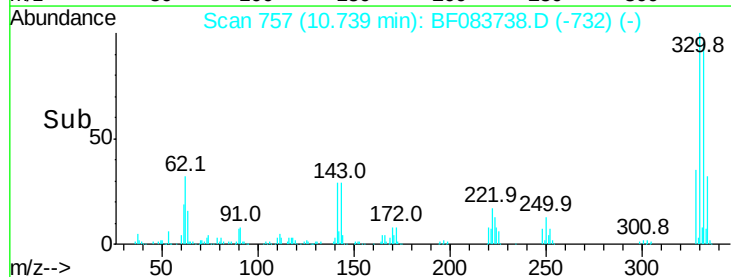
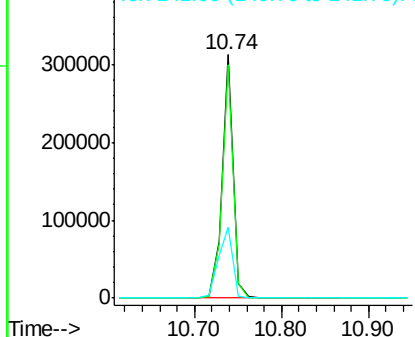


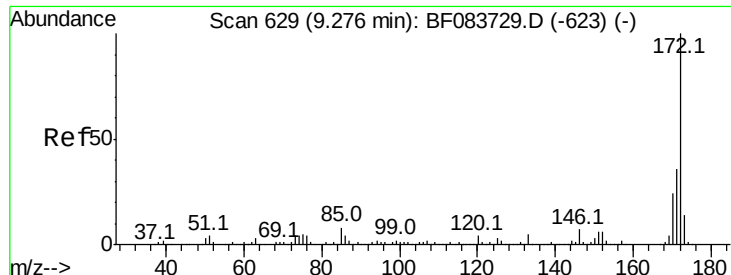
#41
 2,4,6-Tribromophenol
 Concen: 119.80 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF083738.D
 Acq: 13 Dec 2015 19:24

Tgt Ion:330 Resp: 282341
 Ion Ratio Lower Upper
 330 100
 332 96.1 0.0 0.0#
 141 36.9 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

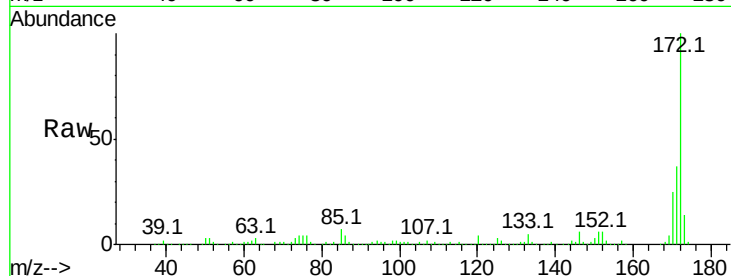




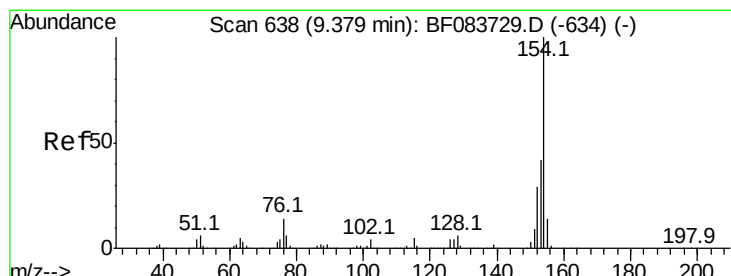
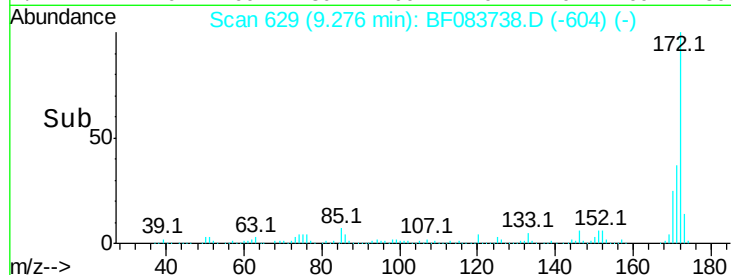
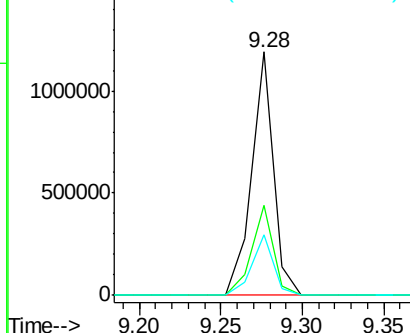
#44
2-Fluorobiphenyl
Concen: 65.55 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.01 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1106673
Ion Ratio Lower Upper
172 100
171 36.9 28.6 42.8
170 24.8 19.4 29.0

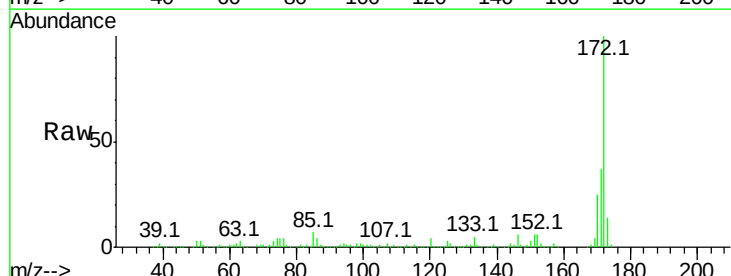


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

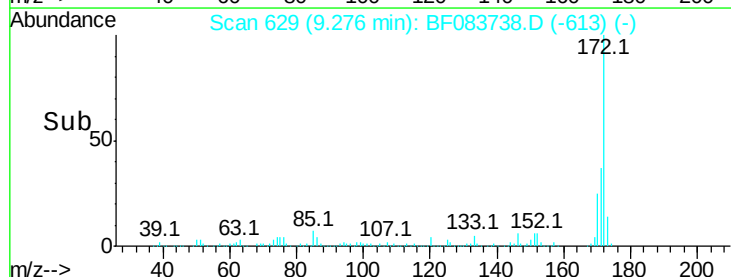
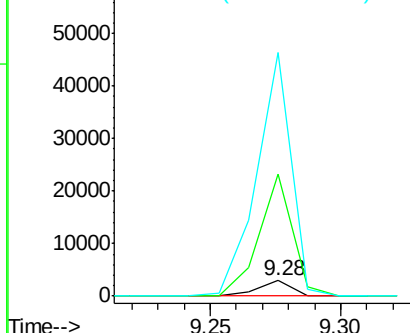


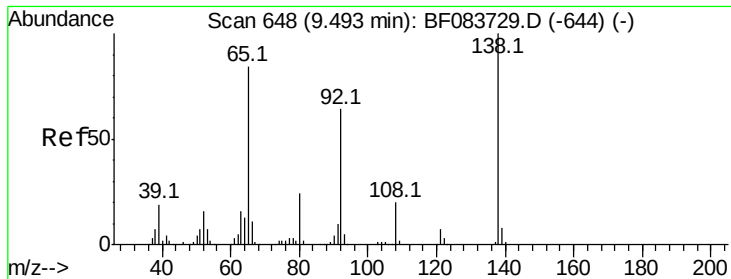
#45
1,1'-Biphenyl
Concen: 0.12 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.11 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

Tgt Ion:154 Resp: 2500
Ion Ratio Lower Upper
154 100
153 788.3 20.2 60.2#
76 1577.4 0.0 34.8#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

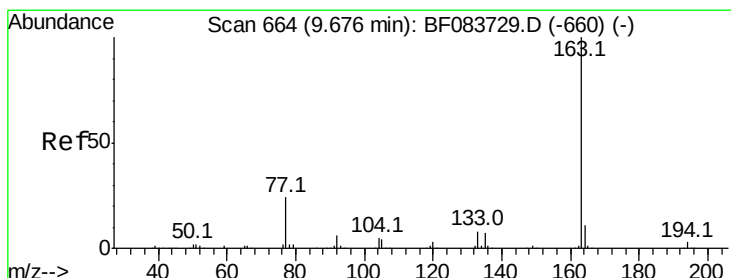
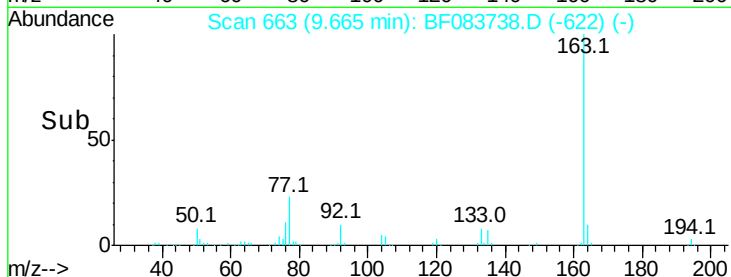
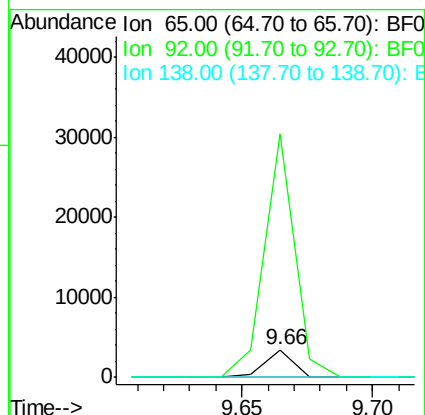
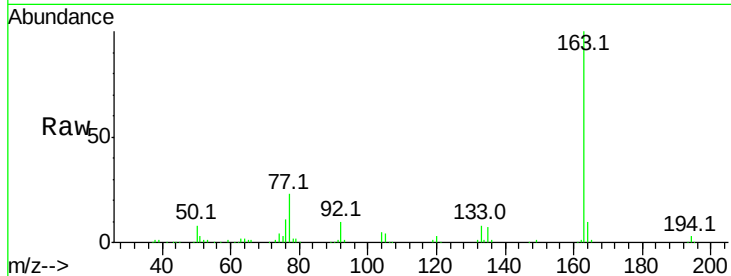




#47
2-Nitroaniline
Concen: 0.62 ng
RT: 9.66 min Scan# 663
Delta R.T. 0.17 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

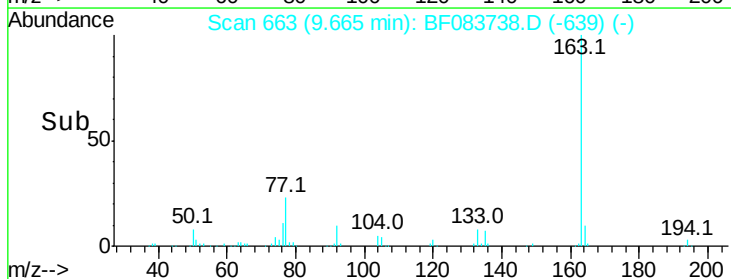
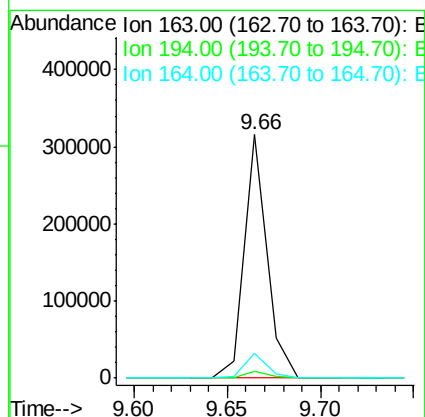
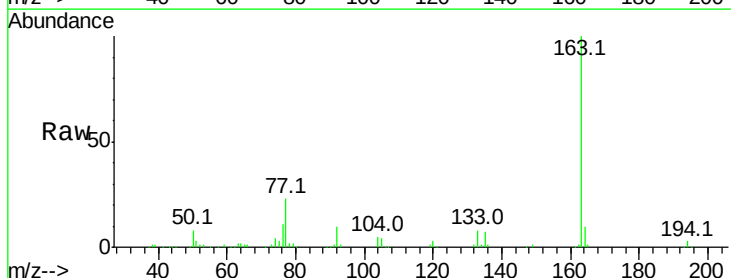
Instrument :
BNA_F
ClientSampleId :

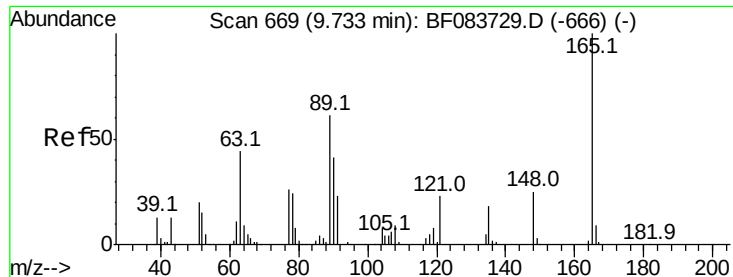
Tot Ion: 65 Resp: 2649
Ion Ratio Lower Upper
65 100
92 890.4 49.6 74.4#
138 0.0 64.1 96.1#



#49
Dimethylphthalate
Concen: 14.83 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

Tgt Ion:163 Resp: 267391
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.2 8.6 13.0

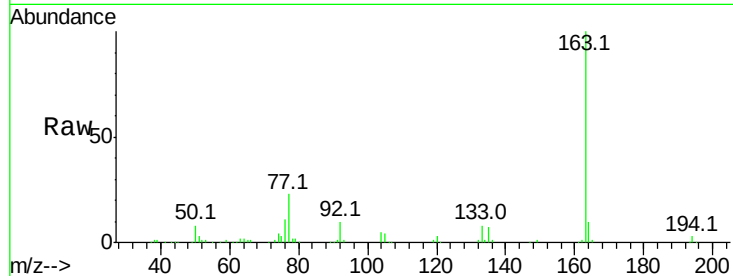




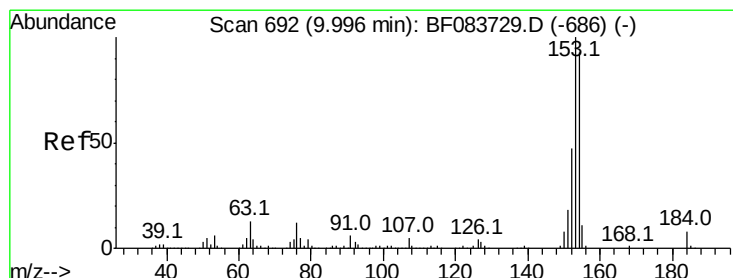
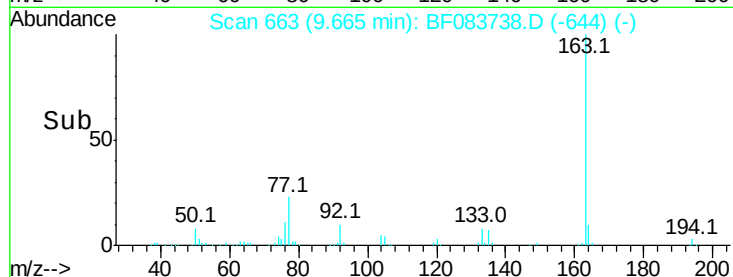
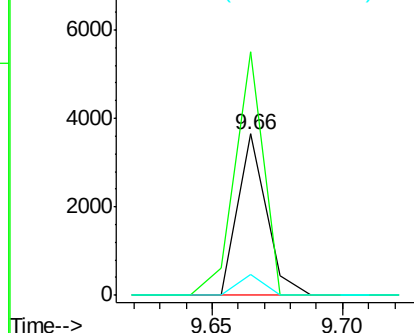
#50
2,6-Dinitrotoluene
Concen: 0.73 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.08 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 2803
Ion Ratio Lower Upper
165 100
63 151.2 56.9 85.3#
89 12.7 52.1 78.1#

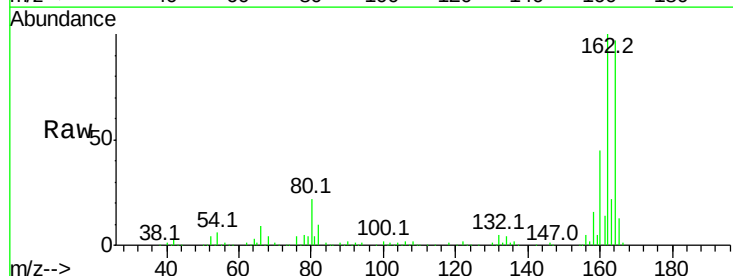


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

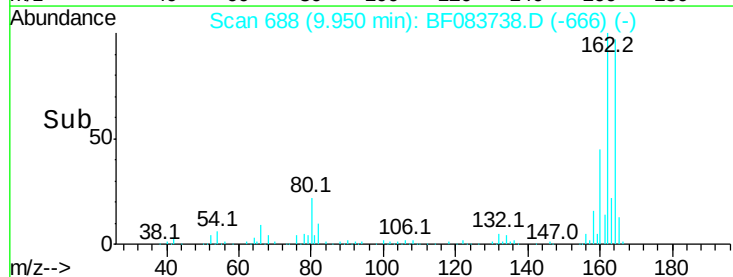
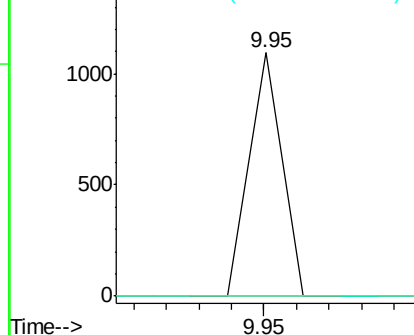


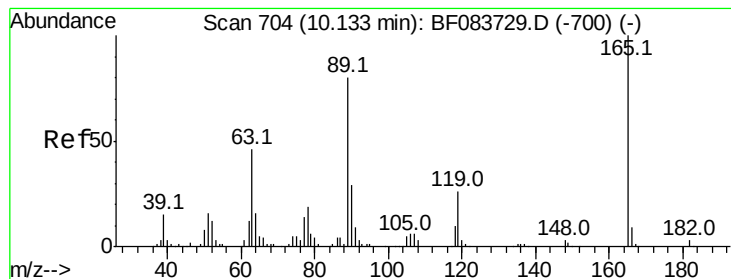
#51
Acenaphthene
Concen: 0.05 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.05 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

Tgt Ion:154 Resp: 751
Ion Ratio Lower Upper
154 100
153 0.0 91.4 137.0#
152 0.0 43.4 65.2#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#56

2,4-Dinitrotoluene

Concen: 5.96 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.19 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 29799

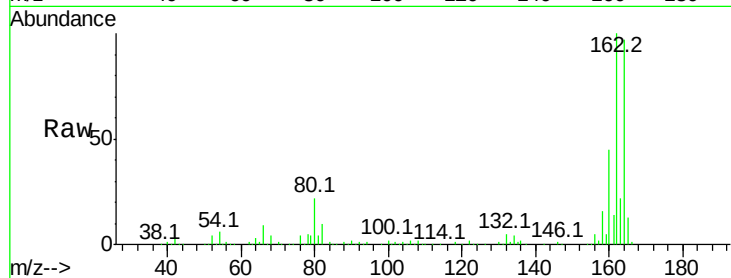
Ion Ratio Lower Upper

165 100

63 1.2 51.4 77.2#

89 1.5 72.6 108.8#

182 0.0 1.4 2.0#

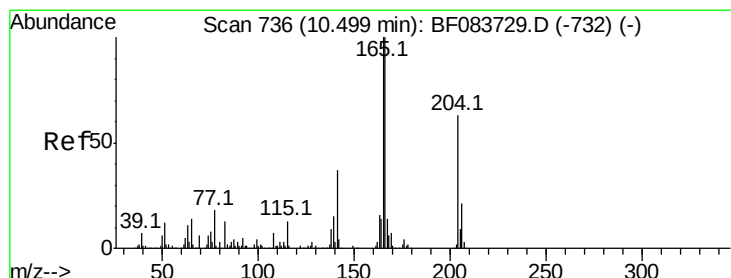
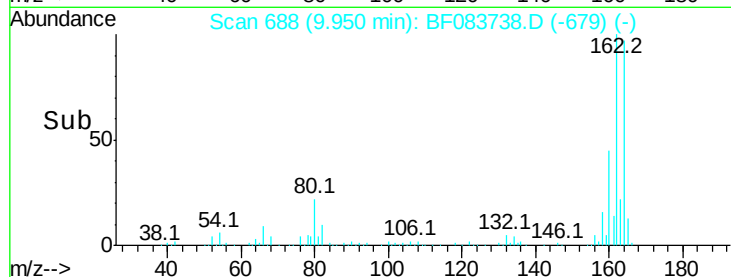
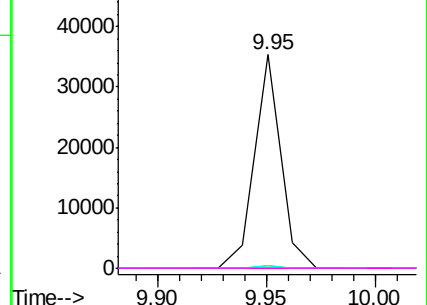


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 0.88 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.23 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

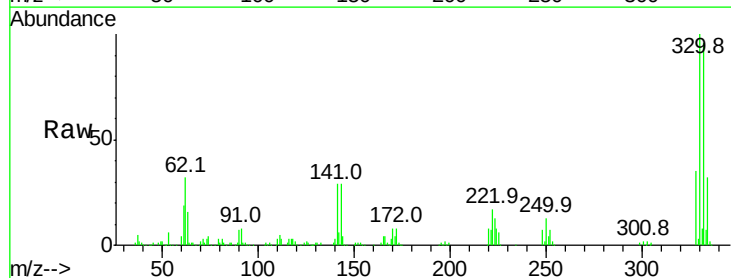
Tgt Ion:166 Resp: 14141

Ion Ratio Lower Upper

166 100

165 102.6 80.0 120.0

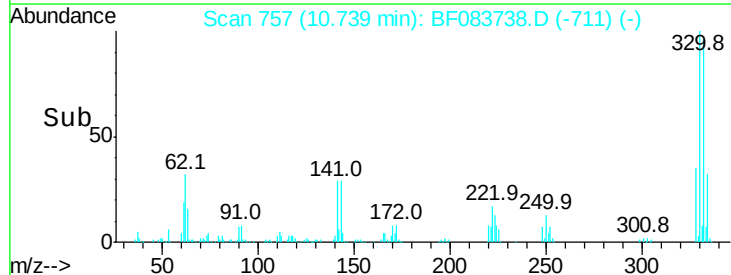
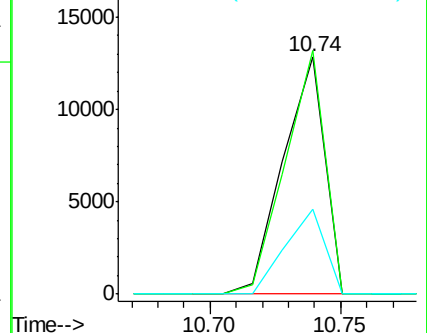
167 36.0 10.6 16.0#

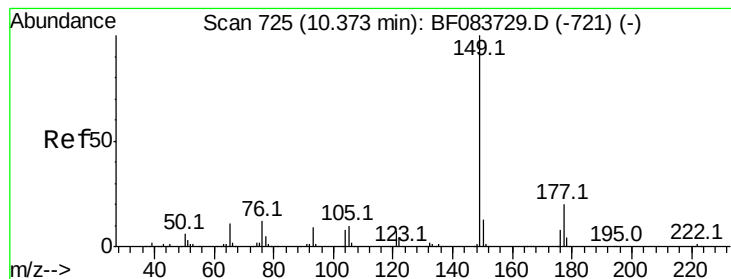


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 0.08 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :

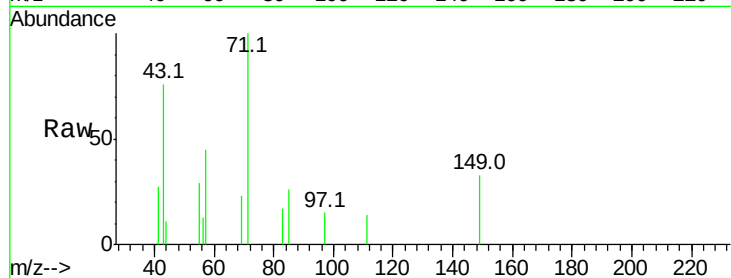
Tot Ion:149 Resp: 1378

Ion Ratio Lower Upper

149 100

177 0.0 16.9 25.3#

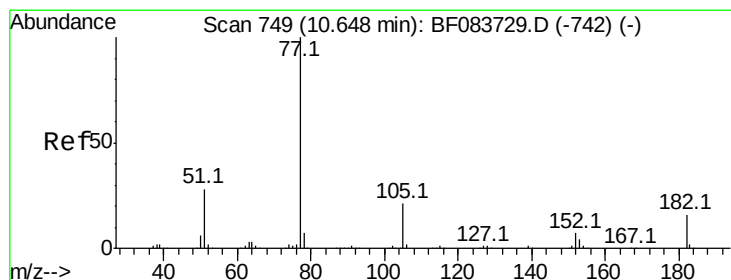
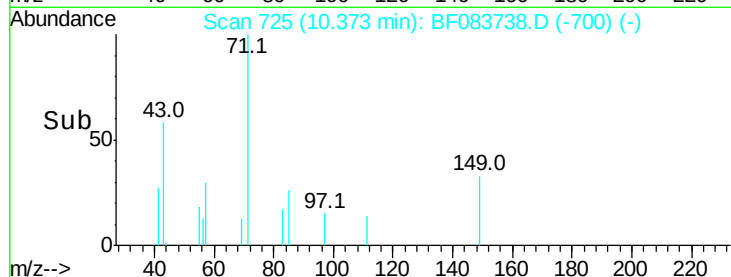
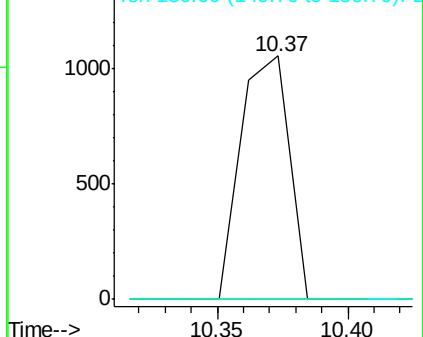
150 0.0 10.2 15.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#62

Azobenzene

Concen: 0.01 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Tgt Ion: 77 Resp: 211

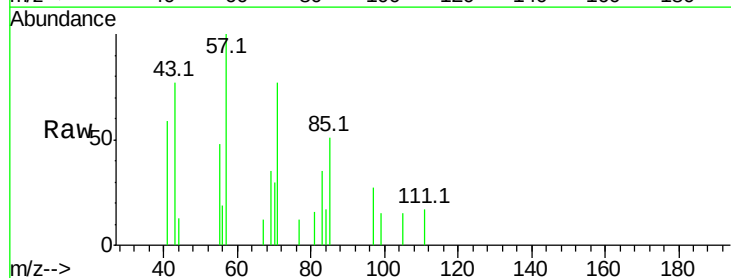
Ion Ratio Lower Upper

77 100

182 0.0 2.5 42.5#

105 119.2 2.1 42.1#

51 0.0 9.3 49.3#

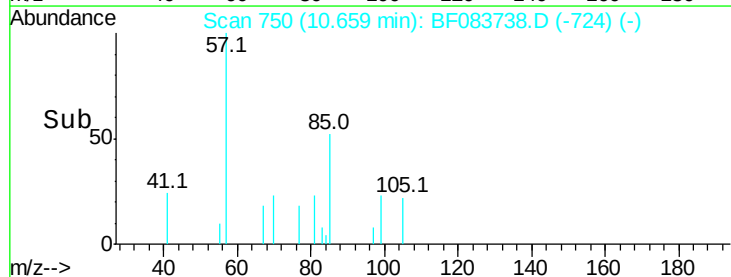
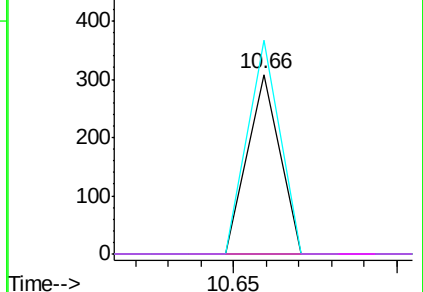


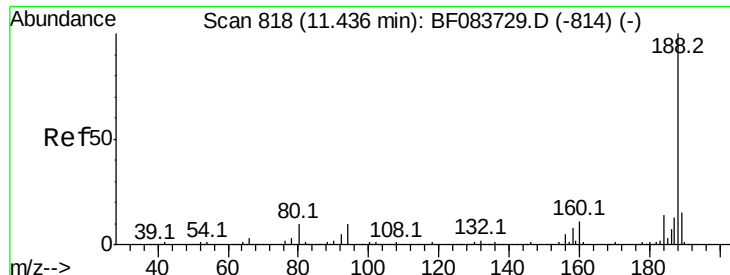
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

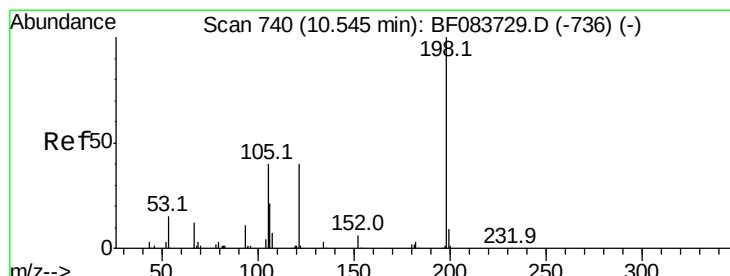
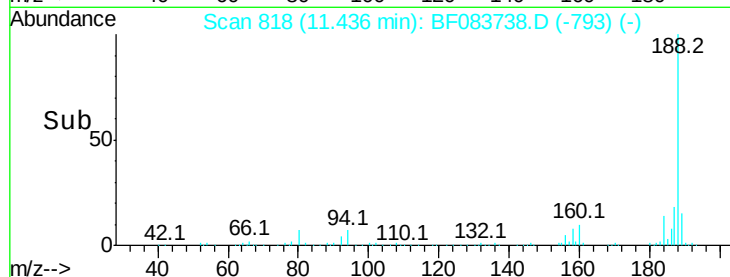
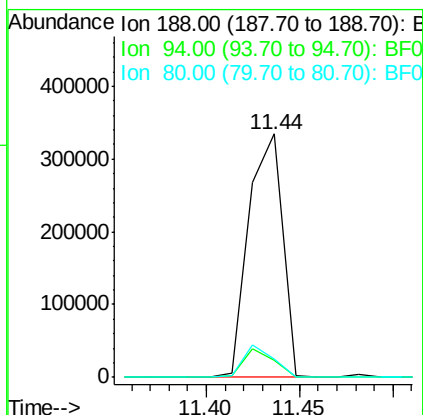
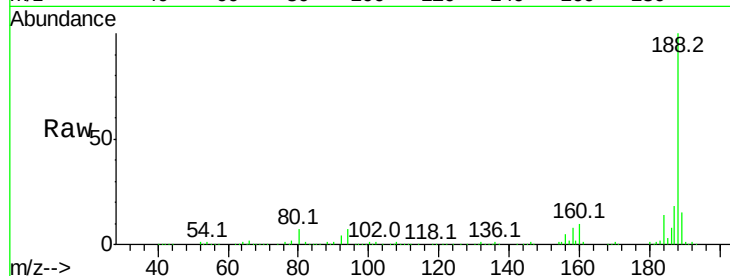




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF083738.D
 Acq: 13 Dec 2015 19:24

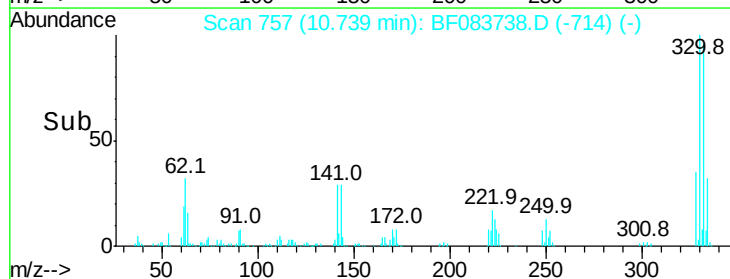
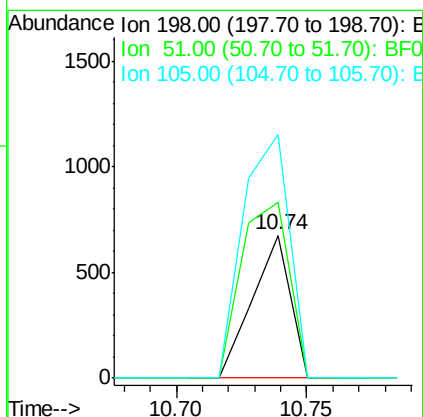
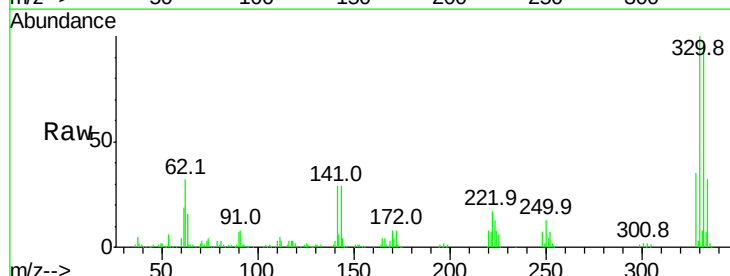
Instrument :
 BNA_F
 ClientSampleId :

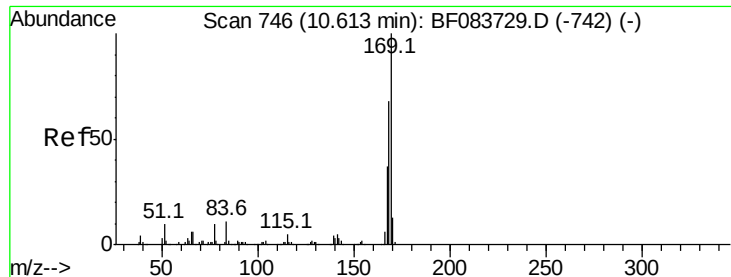
Tot Ion:188 Resp: 420839
 Ion Ratio Lower Upper
 188 100
 94 7.0 9.4 14.2#
 80 7.3 10.6 16.0#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.29 ng
 RT: 10.74 min Scan# 757
 Delta R.T. 0.20 min
 Lab File: BF083738.D
 Acq: 13 Dec 2015 19:24

Tgt Ion:198 Resp: 689
 Ion Ratio Lower Upper
 198 100
 51 123.4 53.8 93.8#
 105 170.7 38.6 78.6#





#65

n-Nitrosodiphenylamine

Concen: 0.65 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.13 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :

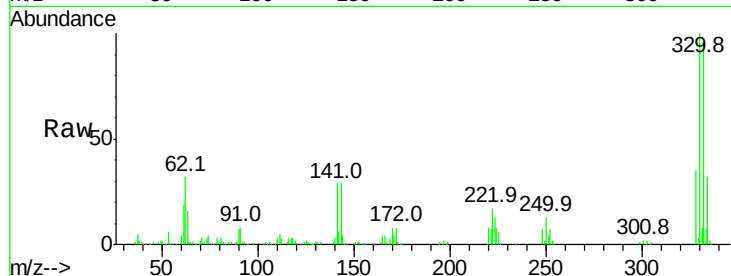
Tot Ion:169 Resp: 9346

Ion Ratio Lower Upper

169 100

168 6.7 53.0 79.6#

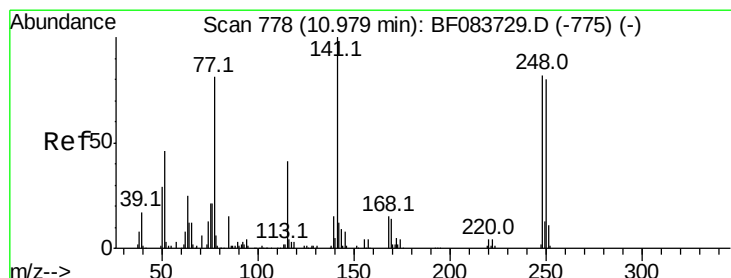
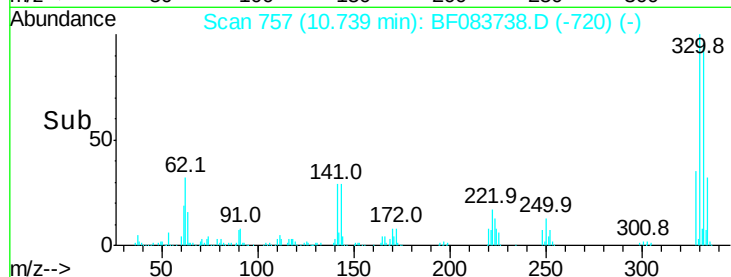
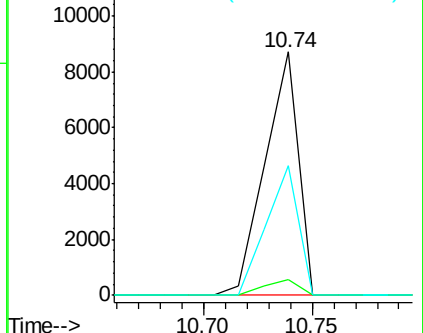
167 53.1 29.3 43.9#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.31 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.25 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

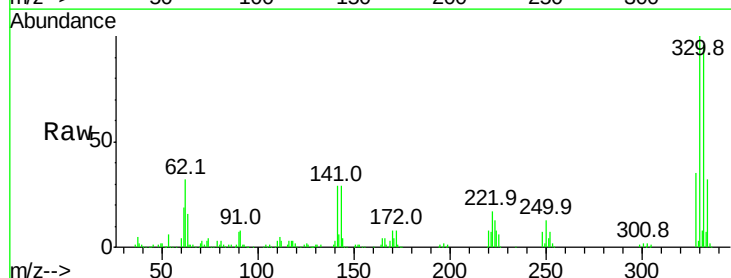
Tgt Ion:248 Resp: 20264

Ion Ratio Lower Upper

248 100

250 197.0 79.2 118.8#

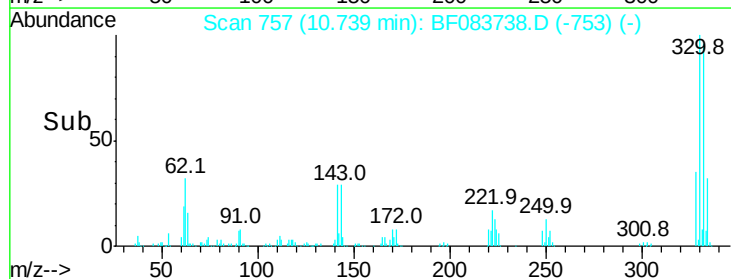
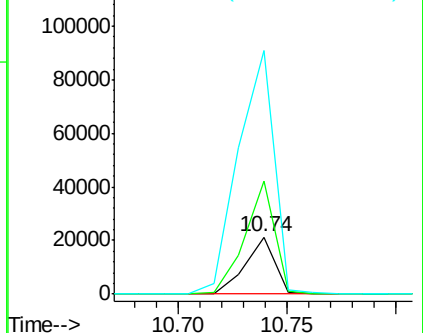
141 424.4 58.2 87.4#

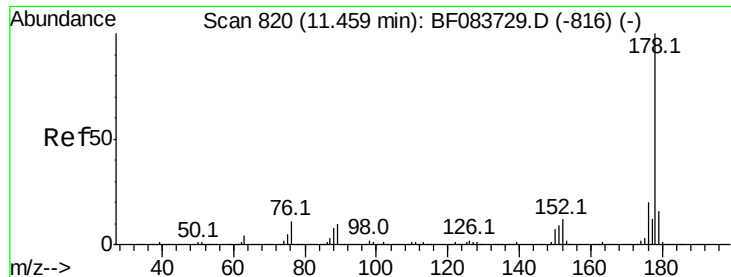


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

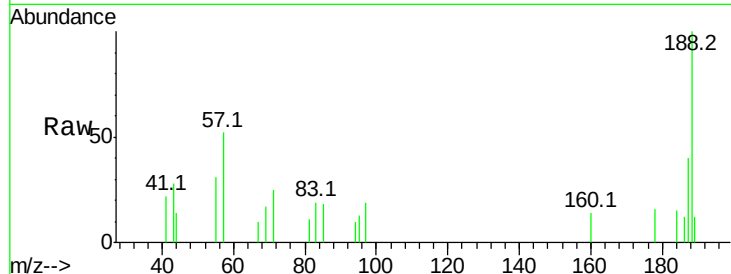




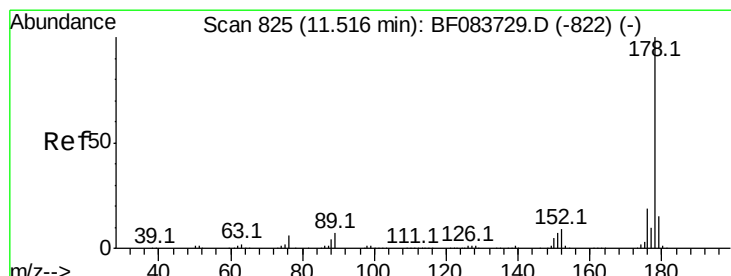
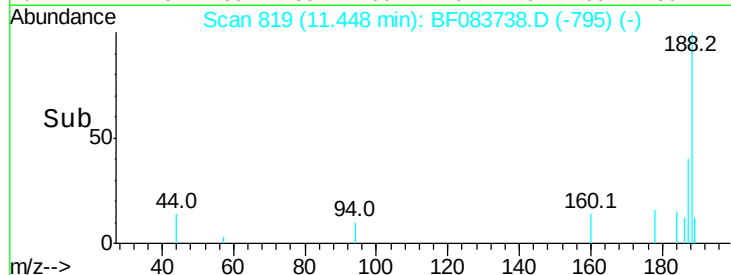
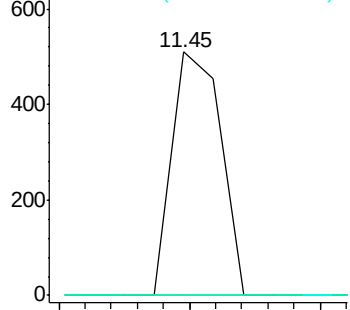
#70
Phenanthrene
Concen: 0.03 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 661
Ion Ratio Lower Upper
178 100
176 0.0 15.7 23.5#
179 0.0 12.2 18.4#

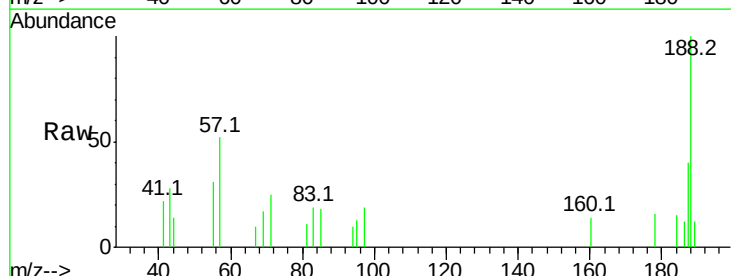


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

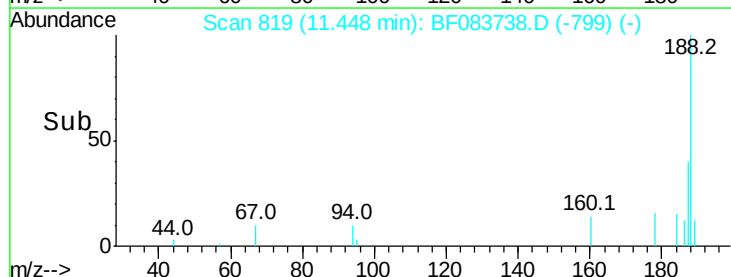
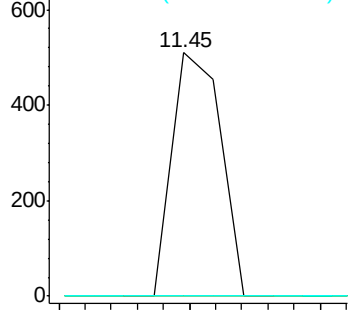


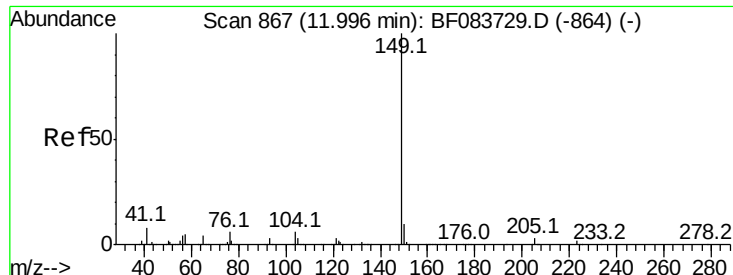
#71
Anthracene
Concen: 0.03 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.07 min
Lab File: BF083738.D
Acq: 13 Dec 2015 19:24

Tgt Ion:178 Resp: 661
Ion Ratio Lower Upper
178 100
176 0.0 15.2 22.8#
179 0.0 12.6 18.8#



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





#73

Di-n-butylphthalate

Concen: 0.32 ng

RT: 12.00 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :

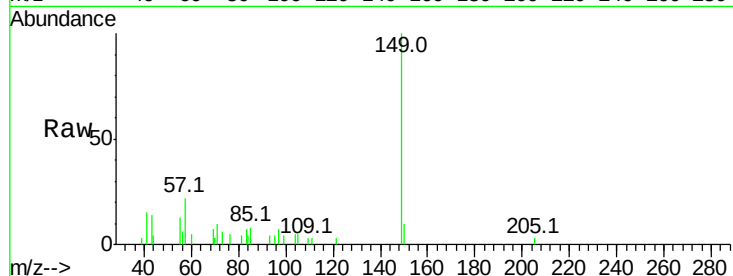
Tot Ion:149 Resp: 8472

Ion Ratio Lower Upper

149 100

150 10.0 7.8 11.6

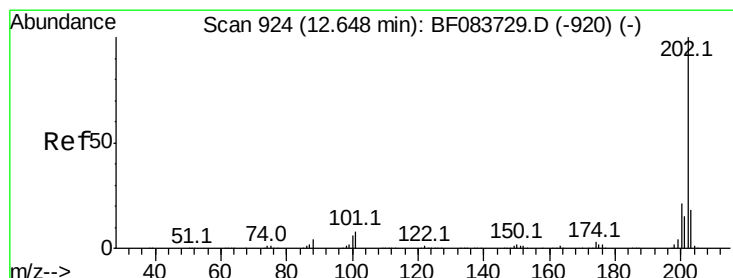
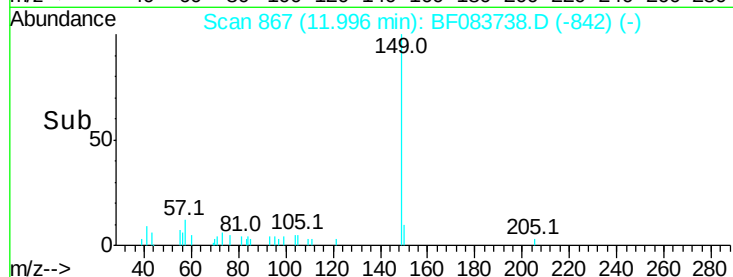
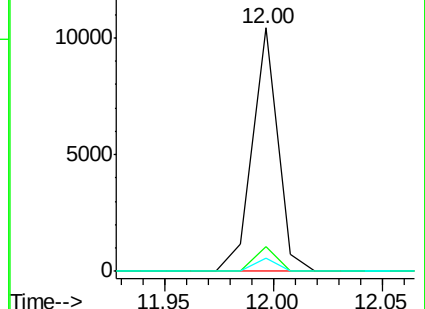
104 5.3 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.02 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

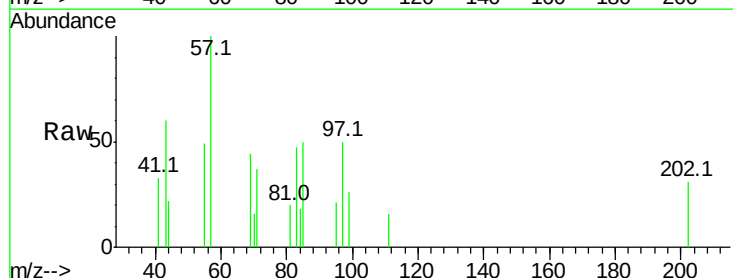
Tgt Ion:202 Resp: 423

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.5

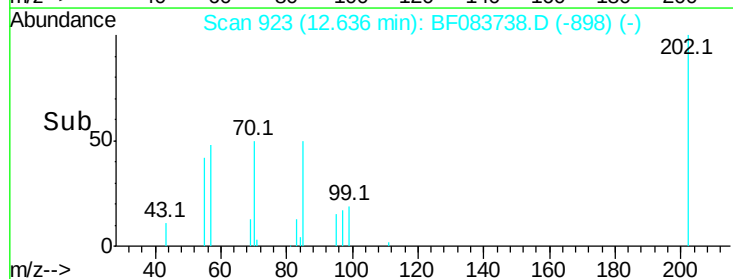
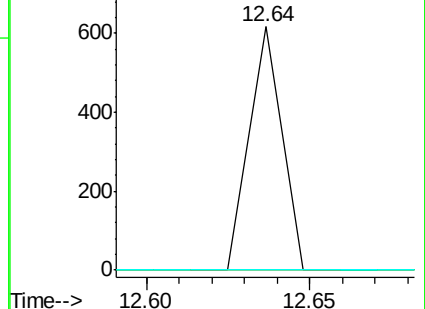
203 0.0 0.0 37.6

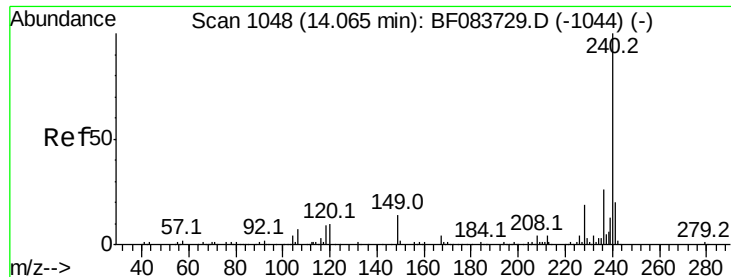


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :

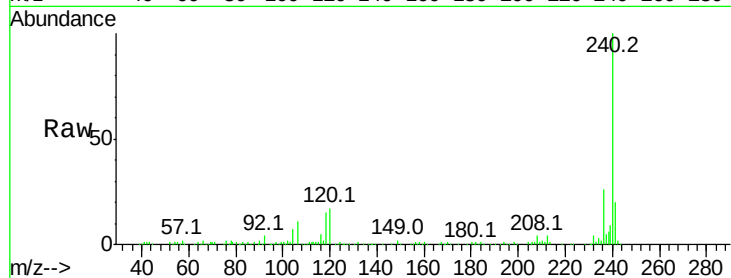
Tot Ion:240 Resp: 298399

Ion Ratio Lower Upper

240 100

120 16.7 8.1 12.1#

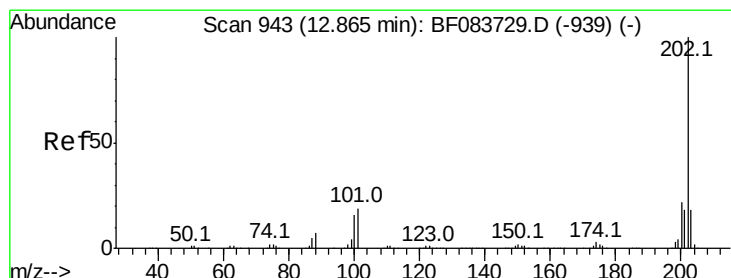
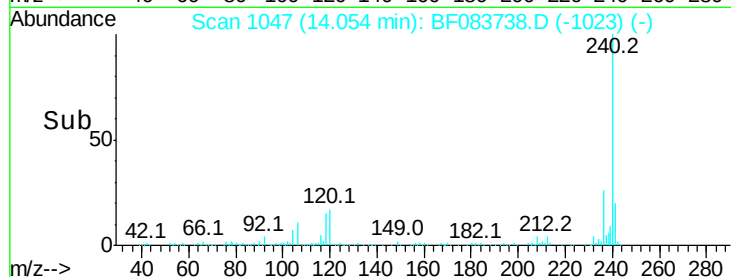
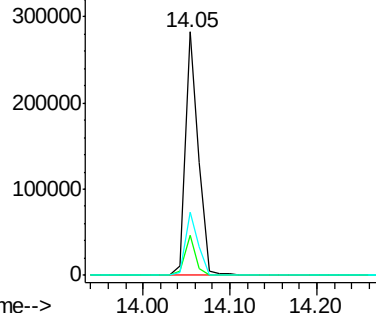
236 26.1 20.8 31.2



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: 0.02 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

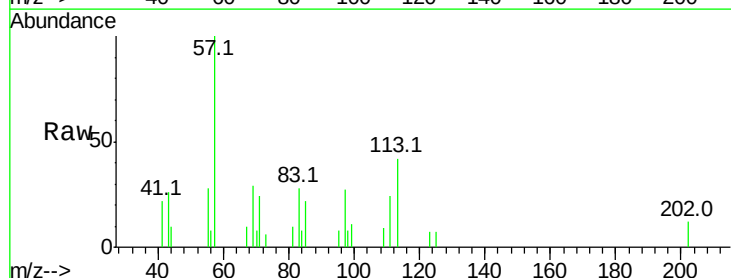
Tgt Ion:202 Resp: 400

Ion Ratio Lower Upper

202 100

200 0.0 16.7 25.1#

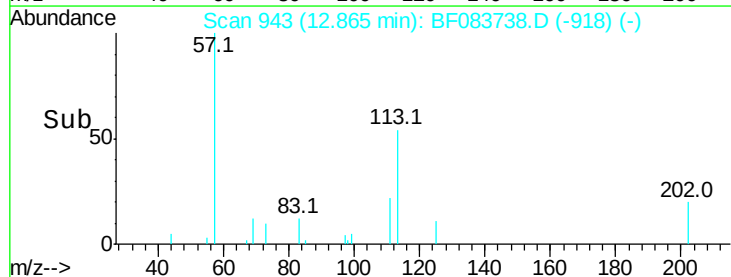
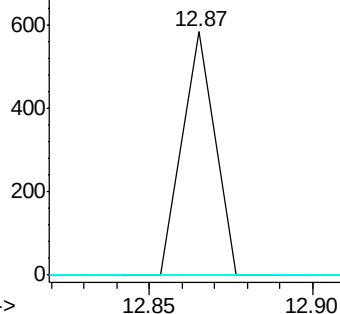
203 0.0 14.3 21.5#

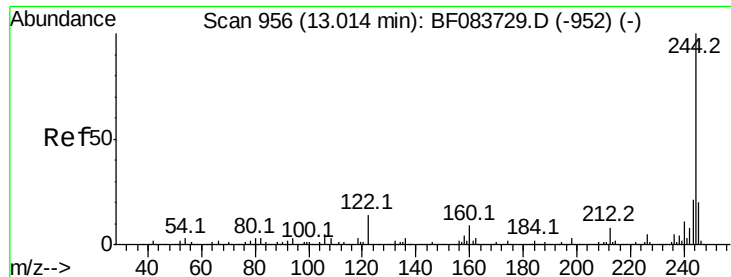


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

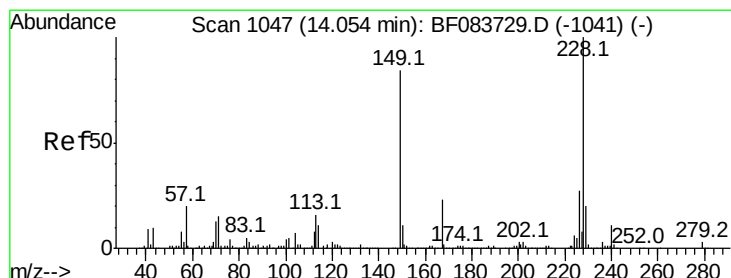
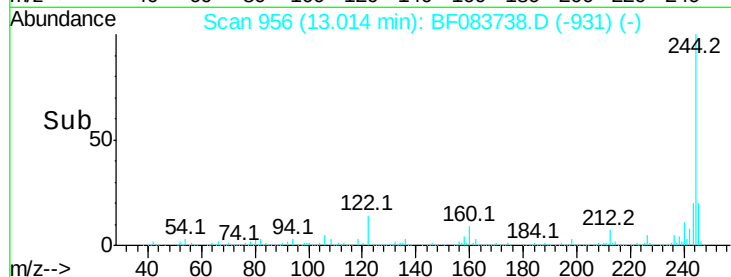
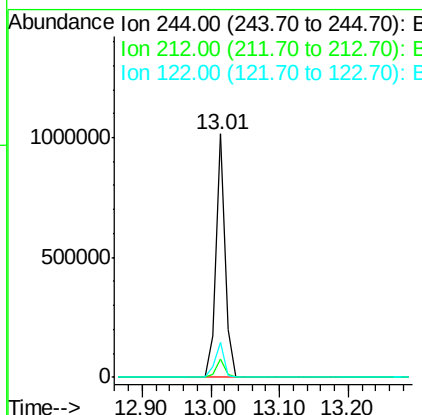
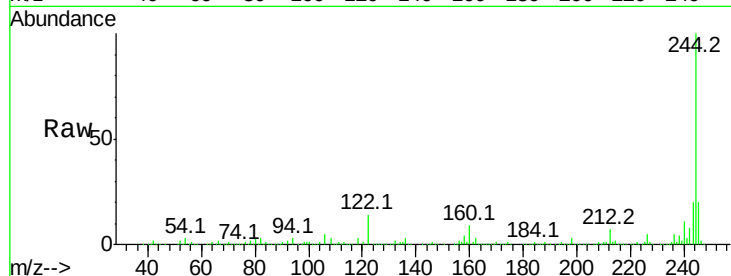




#78
 Terphenyl-d14
 Concen: 69.12 ng
 RT: 13.01 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF083738.D
 Acq: 13 Dec 2015 19:24

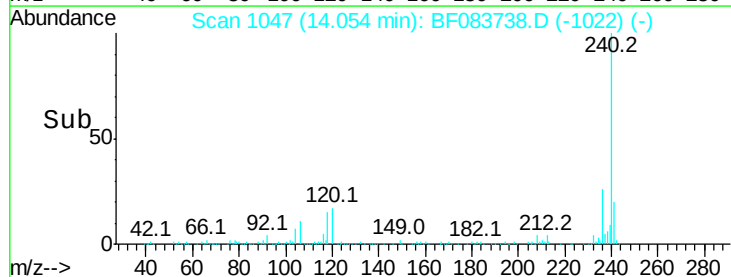
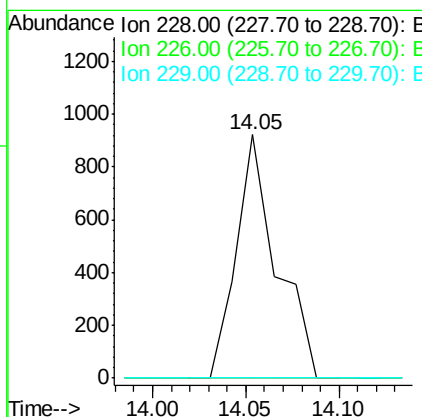
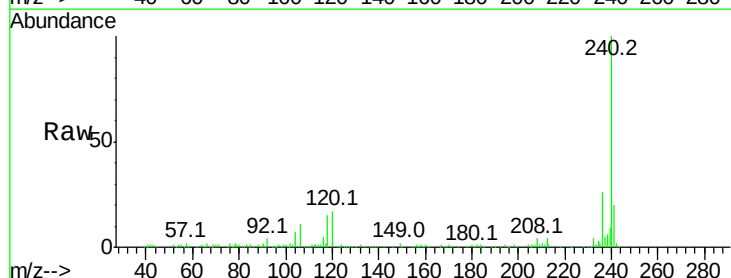
Instrument :
 BNA_F
 ClientSampleId :

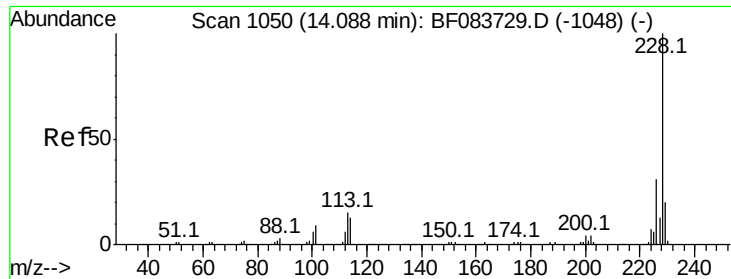
Tot Ion:244 Resp: 958844
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 14.1 11.0 16.6



#80
 Benzo(a)anthracene
 Concen: 0.08 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF083738.D
 Acq: 13 Dec 2015 19:24

Tgt Ion:228 Resp: 1390
 Ion Ratio Lower Upper
 228 100
 226 0.0 22.3 33.5#
 229 0.0 15.7 23.5#





#82

Chrysene

Concen: 0.08 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.05 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :

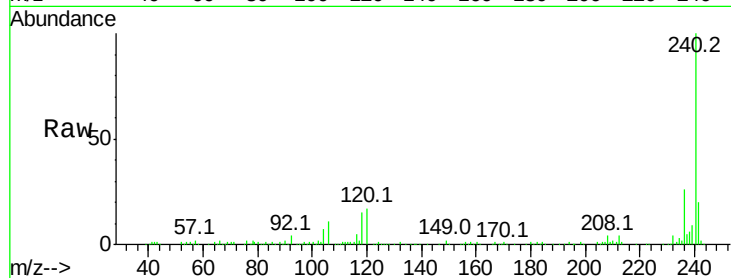
Tot Ion:228 Resp: 1390

Ion Ratio Lower Upper

228 100

226 0.0 24.7 37.1#

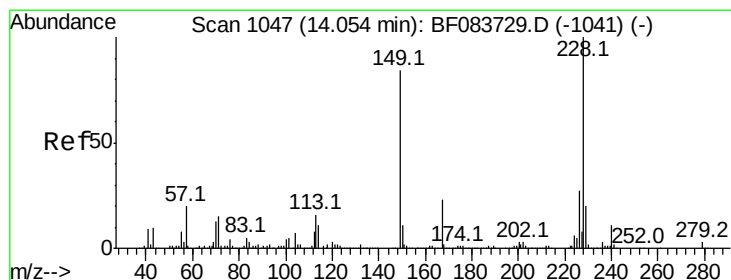
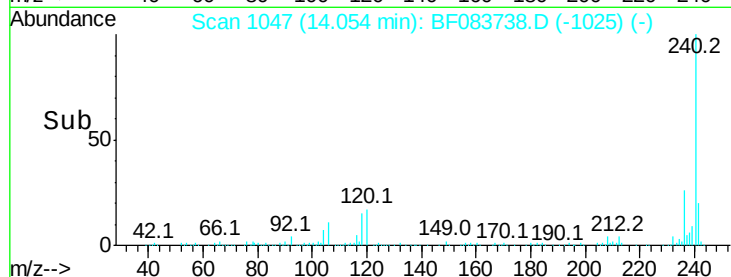
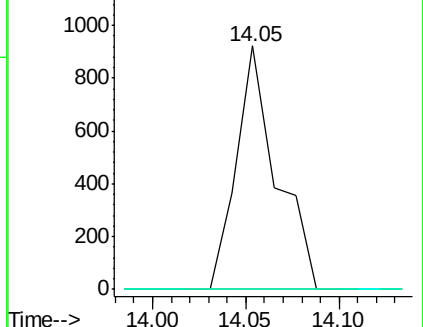
229 0.0 16.3 24.5#



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

Bis(2-ethylhexyl)phthalate

Concen: 0.53 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

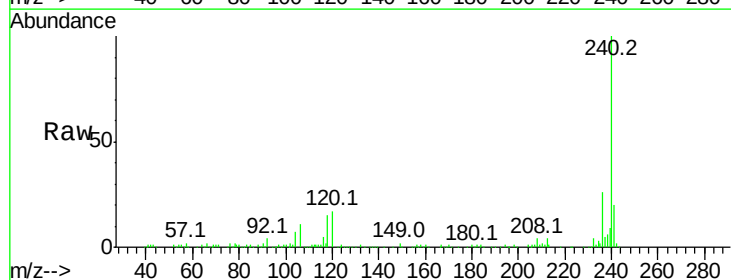
Tgt Ion:149 Resp: 6059

Ion Ratio Lower Upper

149 100

167 27.8 21.8 32.8

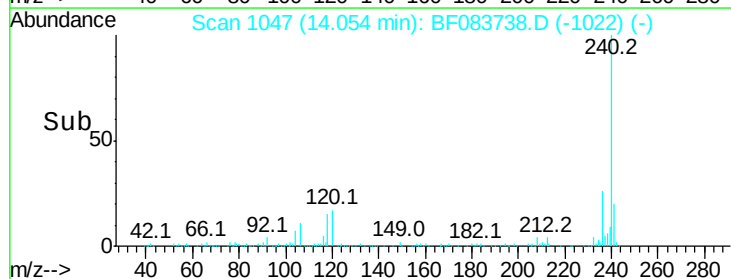
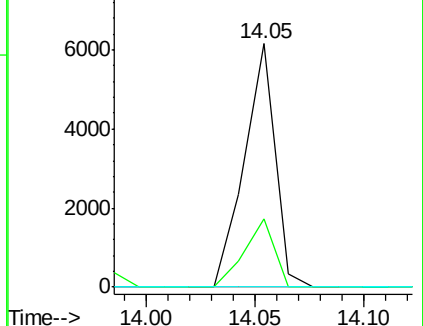
279 0.0 3.0 4.4#

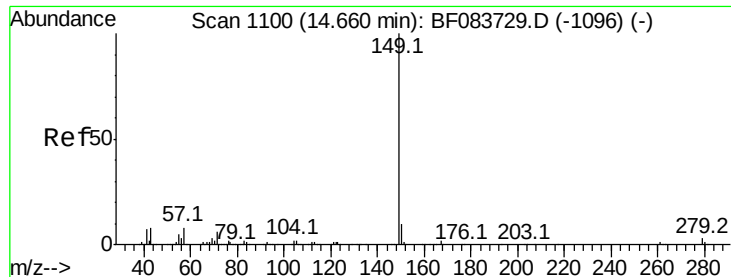


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.01 ng

RT: 14.64 min Scan# 1098

Delta R.T. -0.03 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :

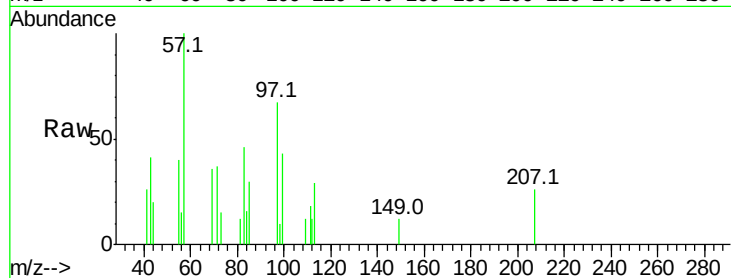
Tot Ion:149 Resp: 247

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

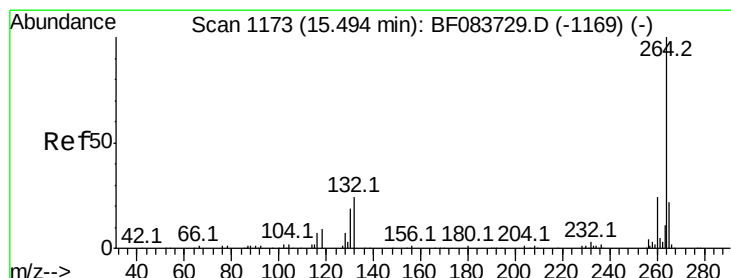
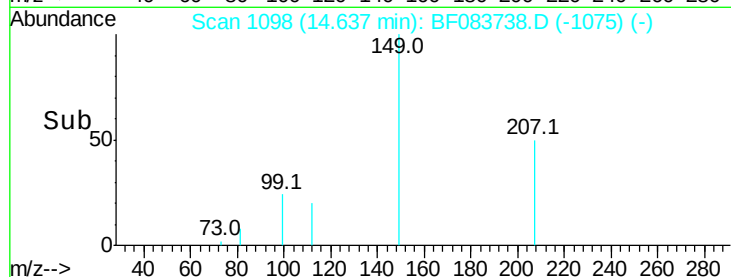
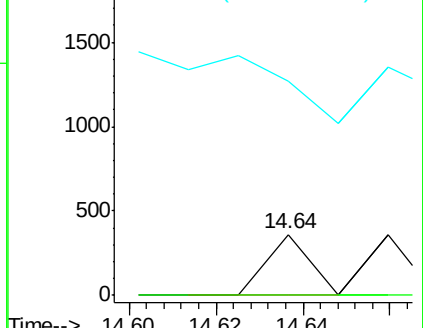
43 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

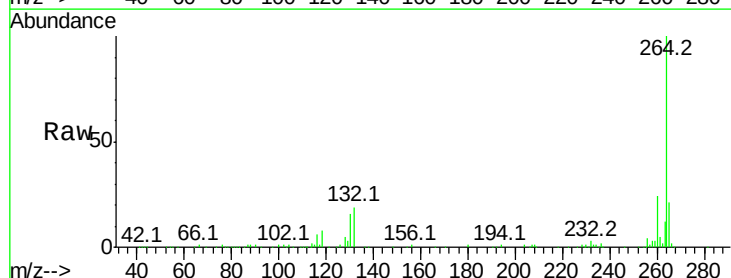
Tgt Ion:264 Resp: 247576

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.0

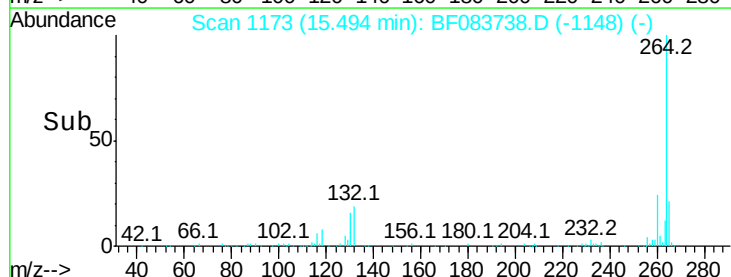
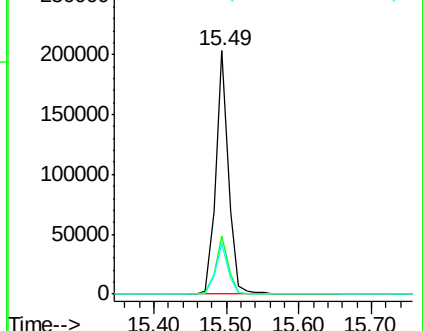
265 20.9 17.8 26.6

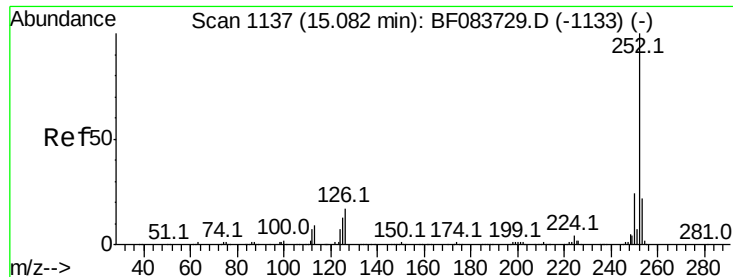


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF083738.D

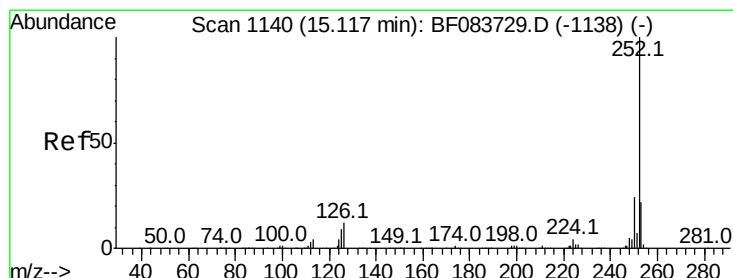
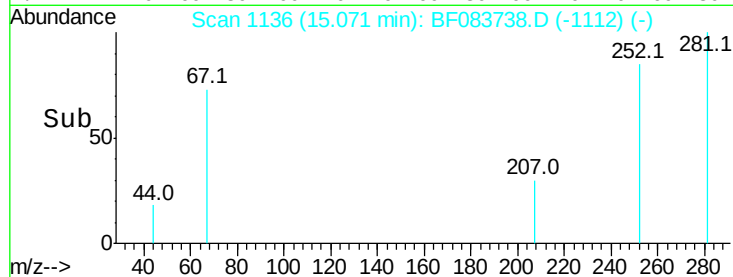
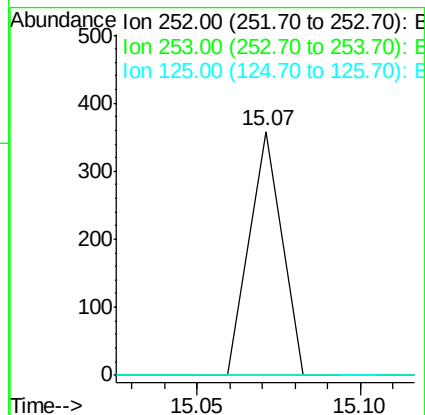
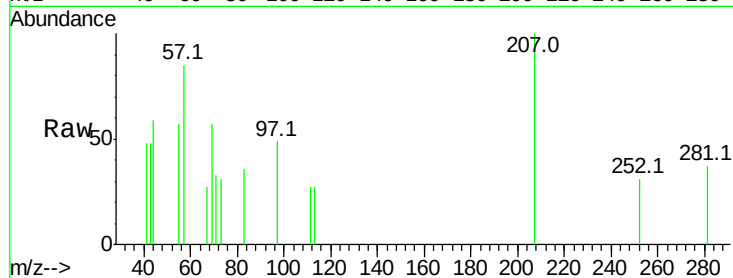
Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	245
Ion Ratio	Lower	Upper	
252	100		
253	0.0	18.2	27.4#
125	0.0	8.2	12.4#



#88

Benzo(k)fluoranthene

Concen: 0.02 ng

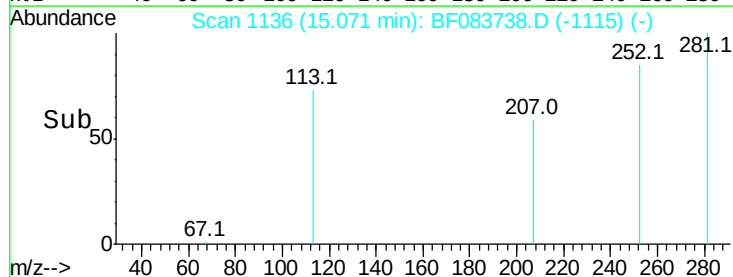
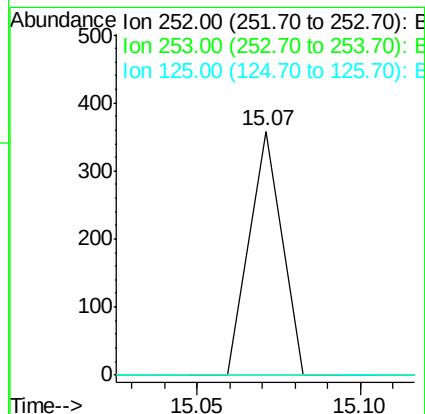
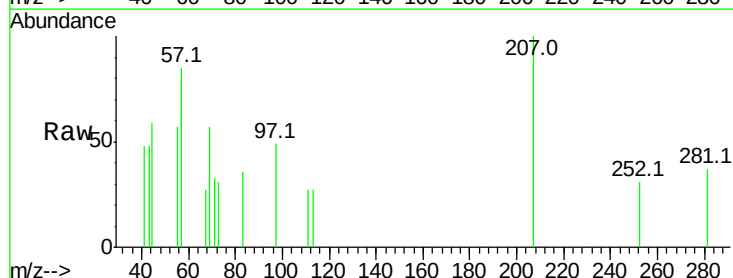
RT: 15.07 min Scan# 1136

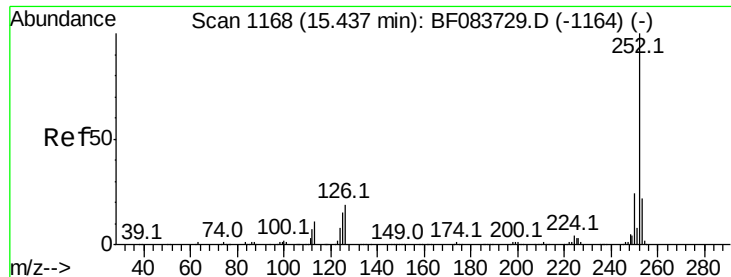
Delta R.T. -0.06 min

Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Tgt Ion:	252	Resp:	245
Ion Ratio	Lower	Upper	
252	100		
253	0.0	18.6	27.8#
125	0.0	11.5	17.3#





#89

Benzo(a)pyrene

Concen: 0.03 ng

RT: 15.49 min Scan# 1173

Delta R.T. 0.05 min

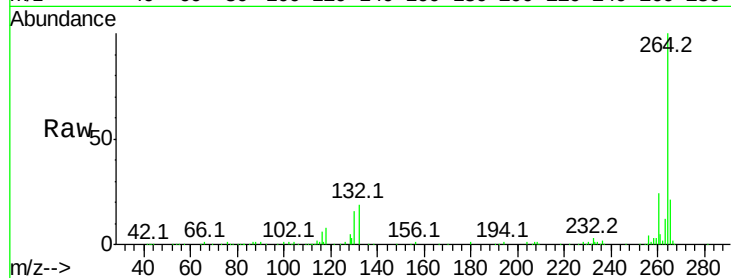
Lab File: BF083738.D

Acq: 13 Dec 2015 19:24

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	423
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.5	26.3#
125	0.0	11.0	16.6#

