

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083736.D
 Acq On : 13 Dec 2015 18:29
 Operator : UM/IZ
 Sample : G4648-14
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 02:30:55 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	133478	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	541151	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	249322	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	453032	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	356027	20.00	ng	-0.02
86) Perylene-d12	15.49	264	278628	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	992676	119.98	ng	0.00
7) Phenol-d6	6.54	99	1205208	115.02	ng	0.00
23) Nitrobenzene-d5	7.47	82	849932	87.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	336682	132.52	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	1309403	74.02	ng	-0.01
78) Terphenyl-d14	13.01	244	1220719	73.75	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.41	88	858	0.21	ng	# 16
6) Aniline	6.56	93	475	0.03	ng	# 1
8) 2-Chlorophenol	6.70	128	784	0.08	ng	89
9) Benzaldehyde	6.68	77	24748	4.40	ng	89
10) Phenol	6.56	94	21561	1.79	ng	84
11) bis(2-Chloroethyl)ether	6.68	93	1388	0.16	ng	# 1
15) Benzyl Alcohol	7.07	79	12686	1.65	ng	# 49
17) 2-Methylphenol	7.05	107	228	0.03	ng	# 52
19) n-Nitroso-di-n-propylamine	7.47	70	111351	17.36	ng	# 73
22) Acetophenone	7.32	105	245	0.02	ng	# 51
24) Nitrobenzene	7.47	77	2553	0.25	ng	# 41
25) Isophorone	7.47	82	775616	40.87	ng	# 69
27) 2,4-Dimethylphenol	7.87	122	662	0.07	ng	# 3
31) Naphthalene	8.32	128	1134	0.04	ng	# 1
32) Benzoic acid	7.87	122	662	0.11	ng	95
45) 1,1'-Biphenyl	9.28	154	2607	0.12	ng	# 1
47) 2-Nitroaniline	9.66	65	2548	0.55	ng	# 1
49) Dimethylphthalate	9.66	163	282031	14.51	ng	98
50) 2,6-Dinitrotoluene	9.66	165	2981	0.72	ng	# 27
51) Acenaphthene	9.95	154	977	0.06	ng	# 4
56) 2,4-Dinitrotoluene	9.95	165	31954	5.93	ng	# 12
57) Fluorene	10.74	166	16576	0.96	ng	# 92
59) Diethylphthalate	10.37	149	4730	0.24	ng	97
62) Azobenzene	10.74	77	1725	0.10	ng	# 2
64) 4,6-Dinitro-2-methylphenol	10.74	198	895	0.35	ng	# 19
65) n-Nitrosodiphenylamine	10.74	169	11028	0.71	ng	# 45
66) 4-Bromophenyl-phenylether	10.74	248	23880	4.71	ng	# 1
70) Phenanthrene	11.45	178	505	0.02	ng	# 60
71) Anthracene	11.45	178	505	0.02	ng	# 60
73) Di-n-butylphthalate	12.00	149	1955	0.07	ng	# 78
77) Pyrene	13.01	202	4153	0.15	ng	# 66
80) Benzo(a)anthracene	14.05	228	991	0.05	ng	# 59
82) Chrysene	14.05	228	991	0.05	ng	# 57
83) Bis(2-ethylhexyl)phthalate	14.05	149	1626	0.12	ng	# 75

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QLast Update : Mon Dec 14 01:30:12 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	15.49	252	577	0.04	ng	# 59

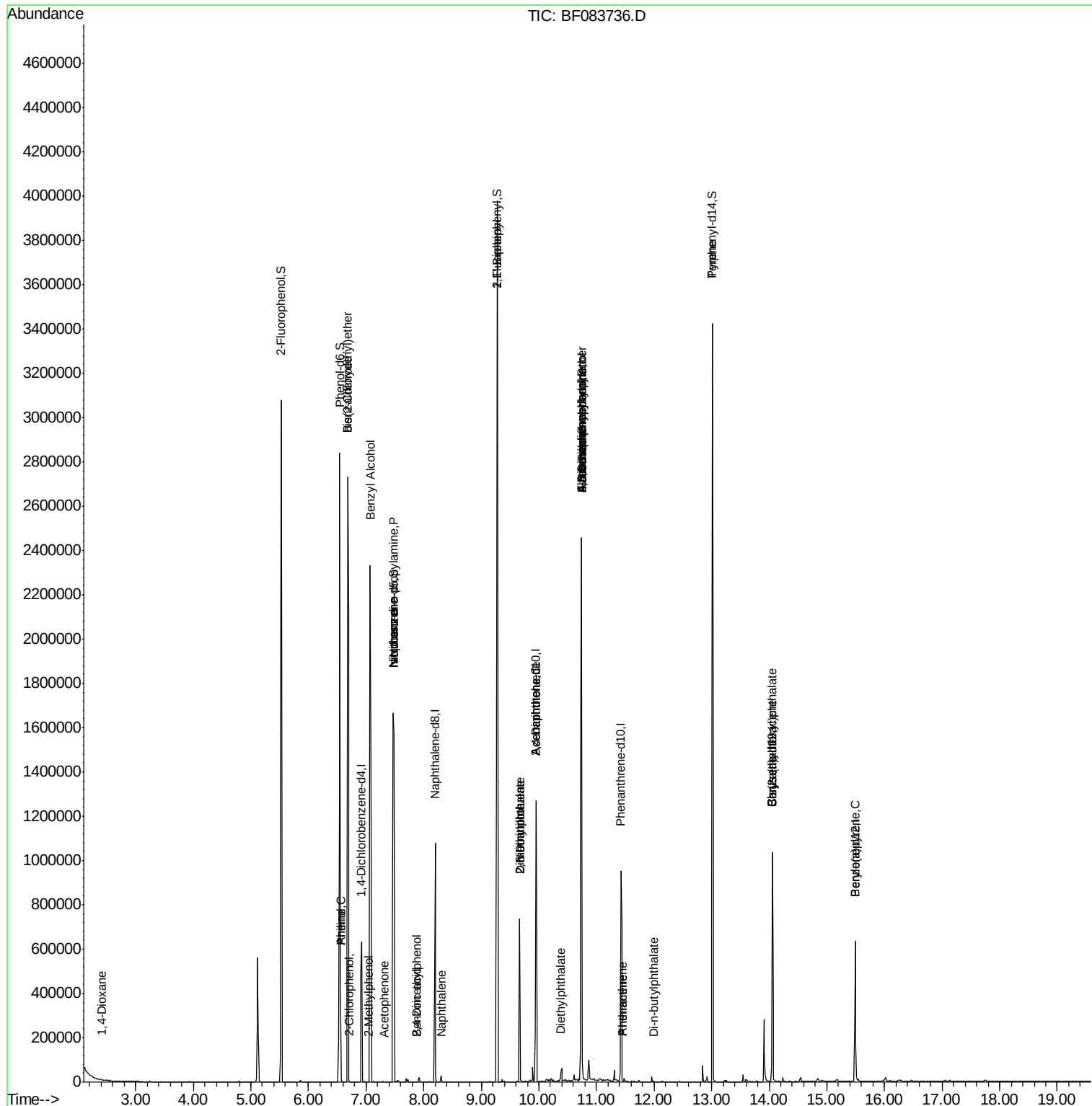
(#) = qualifier out of range (m) = manual integration (+) = signals summed

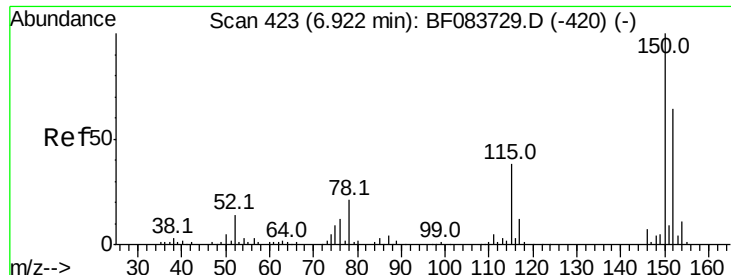
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Sample    : G4648-14
Misc      :
ALS Vial  : 28      Sample Multiplier: 1

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

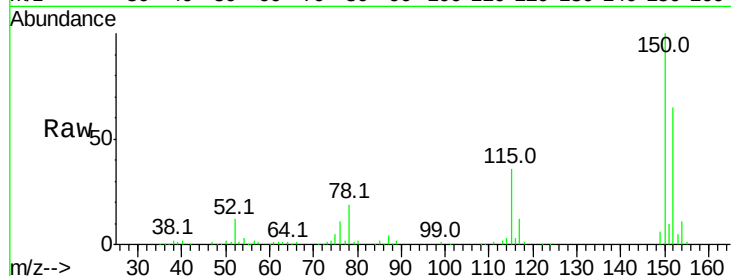
Tot Ion:152 Resp: 133478

Ion Ratio Lower Upper

152 100

150 152.9 126.5 189.7

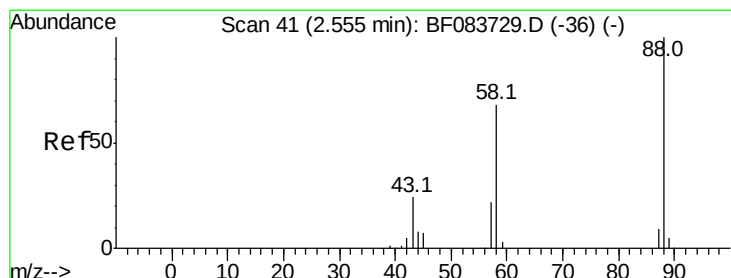
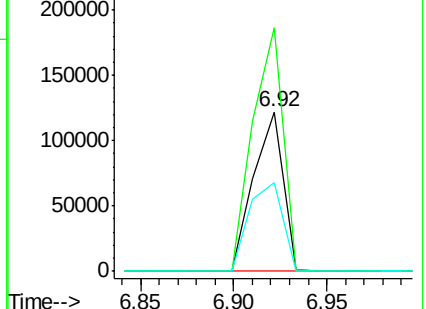
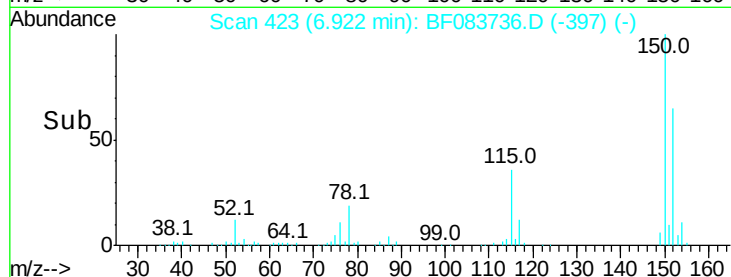
115 55.5 52.3 78.5



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: 0.21 ng

RT: 2.41 min Scan# 28

Delta R.T. -0.16 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

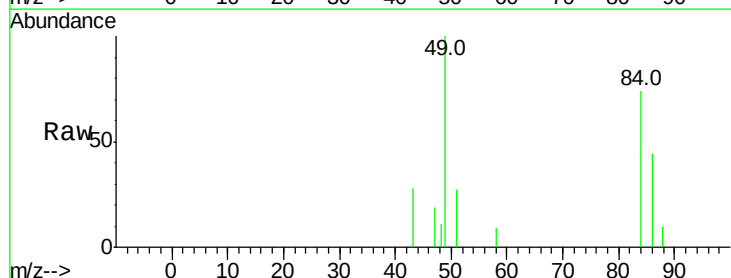
Tgt Ion: 88 Resp: 858

Ion Ratio Lower Upper

88 100

58 0.0 68.0 102.0#

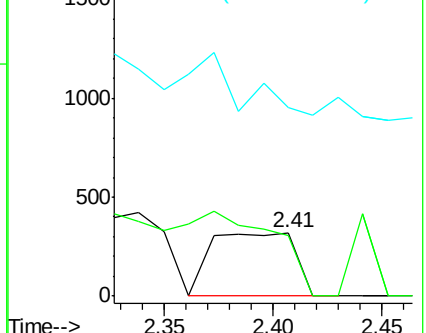
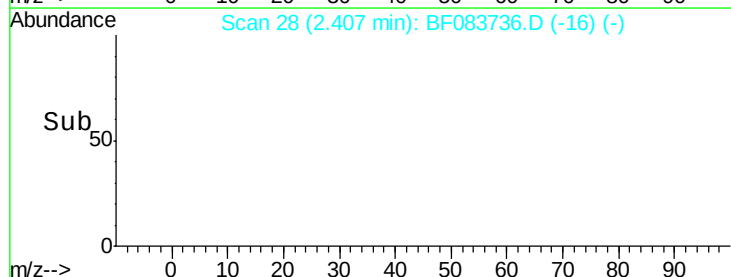
43 0.0 27.9 41.9#

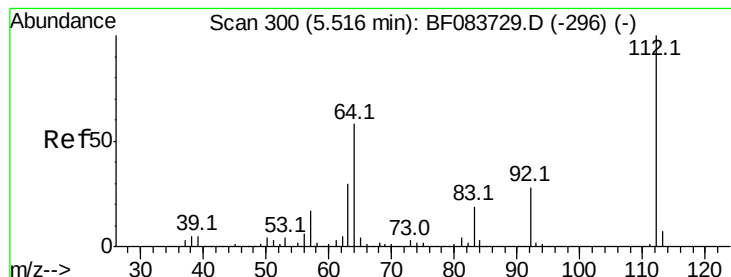


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

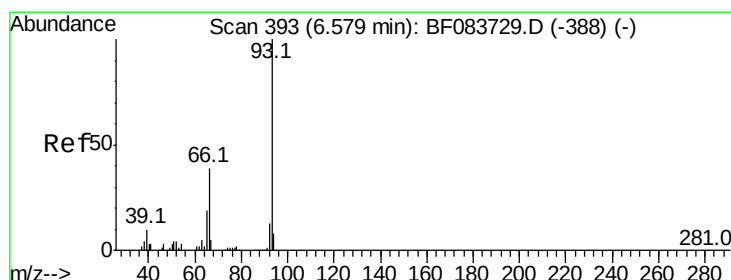
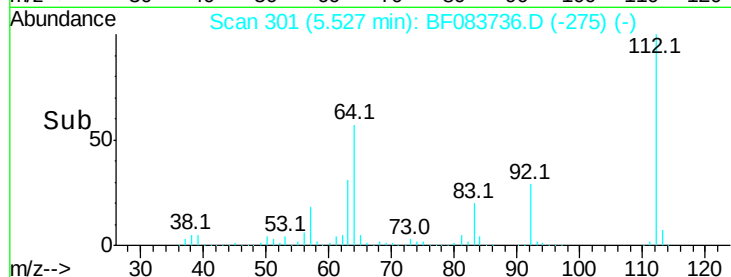
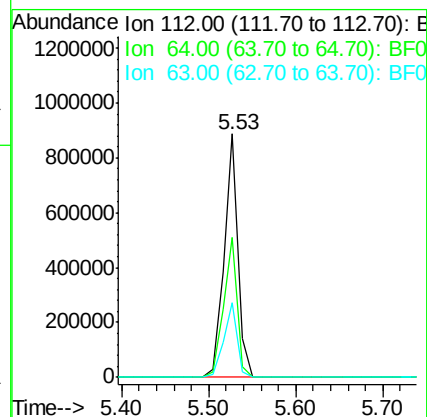
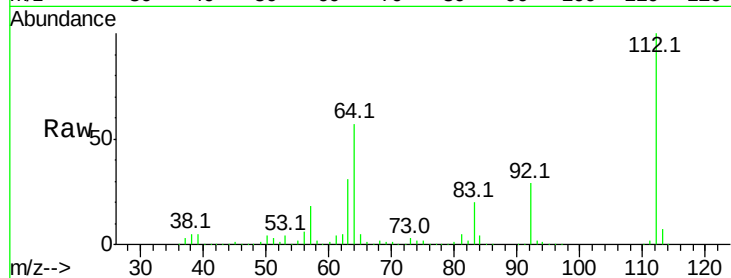




#5
 2-Fluorophenol
 Concen: 119.98 ng
 RT: 5.53 min Scan# 301
 Delta R.T. 0.00 min
 Lab File: BF083736.D
 Acq: 13 Dec 2015 18:29

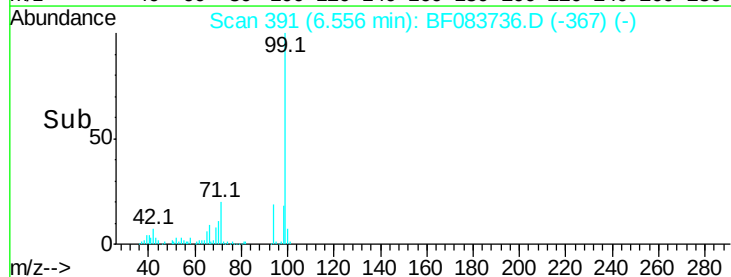
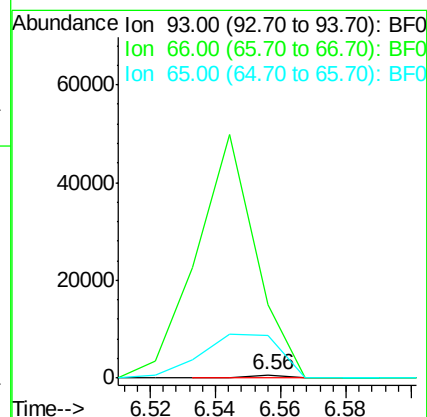
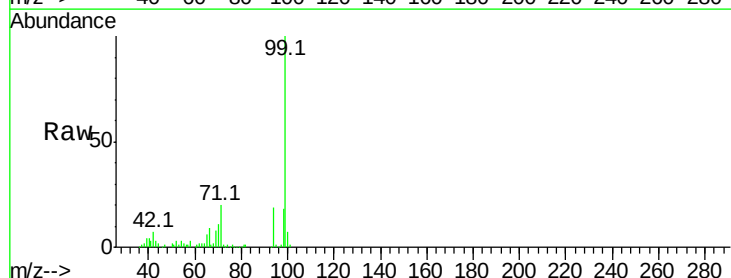
Instrument :
 BNA_F
 ClientSampled :

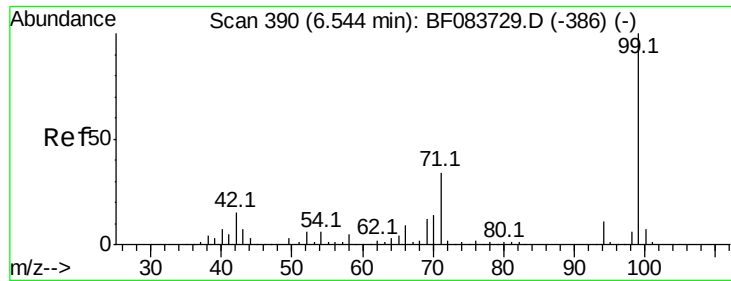
Tot Ion	Ratio	Lower	Upper
112	100		
64	57.5	50.5	75.7
63	30.5	25.8	38.6



#6
 Aniline
 Concen: 0.03 ng
 RT: 6.56 min Scan# 391
 Delta R.T. -0.02 min
 Lab File: BF083736.D
 Acq: 13 Dec 2015 18:29

Tgt Ion	Ratio	Lower	Upper
93	100		
66	2159.9	41.3	61.9#
65	1275.6	20.8	31.2#





#7

Phenol-d6

Concen: 115.02 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

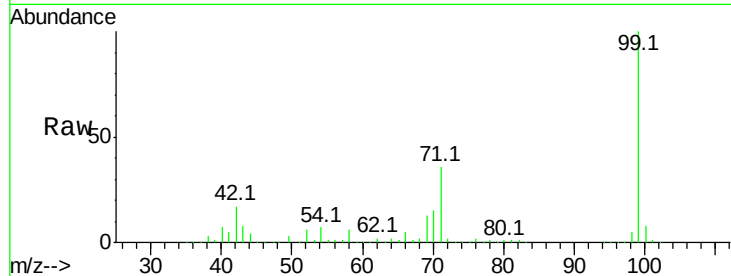
Instrument :

BNA_F

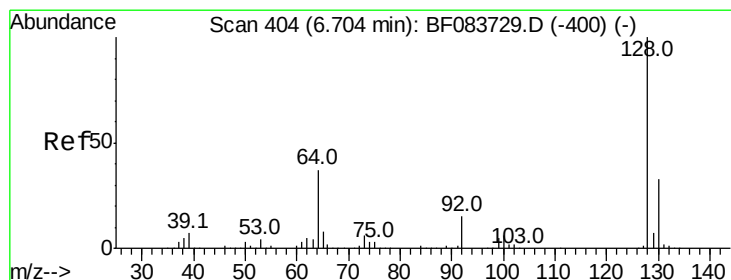
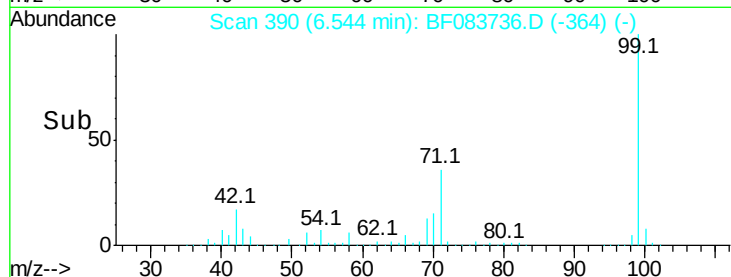
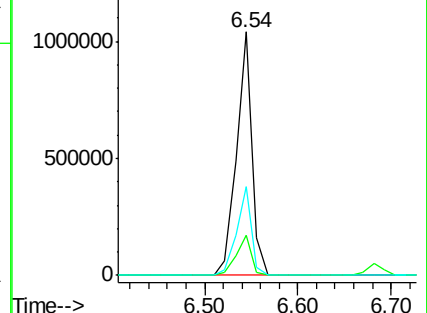
ClientSampled :

Tot Ion: 99 Resp: 1205208

Ion	Ratio	Lower	Upper
99	100		
42	16.5	17.3	25.9#
71	36.4	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

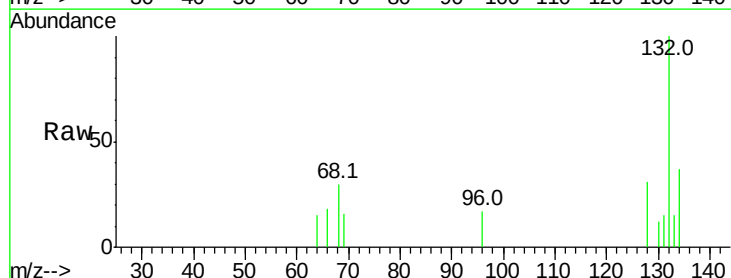
Delta R.T. 0.00 min

Lab File: BF083736.D

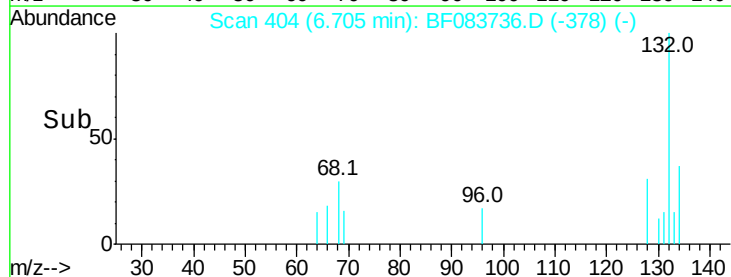
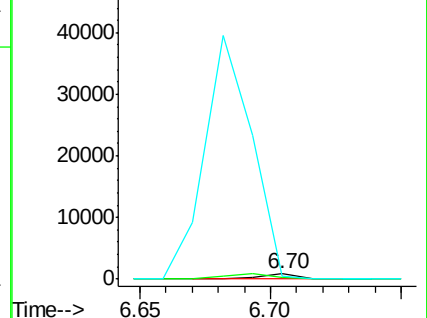
Acq: 13 Dec 2015 18:29

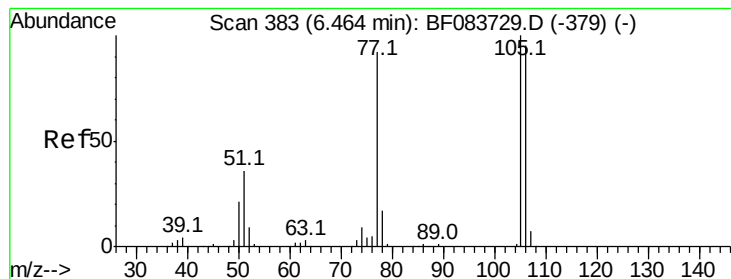
Tgt Ion: 128 Resp: 784

Ion	Ratio	Lower	Upper
128	100		
130	38.8	12.6	52.6
64	50.3	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: 4.40 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.22 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

Instrument :

BNA_F

ClientSampled :

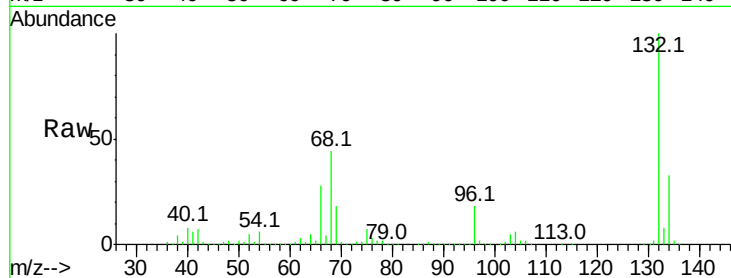
Tot Ion: 77 Resp: 24748

Ion Ratio Lower Upper

77 100

105 79.1 71.8 111.8

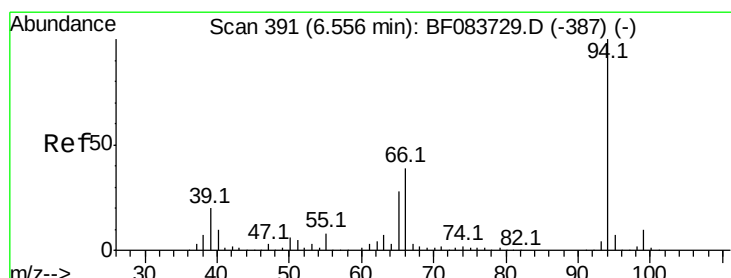
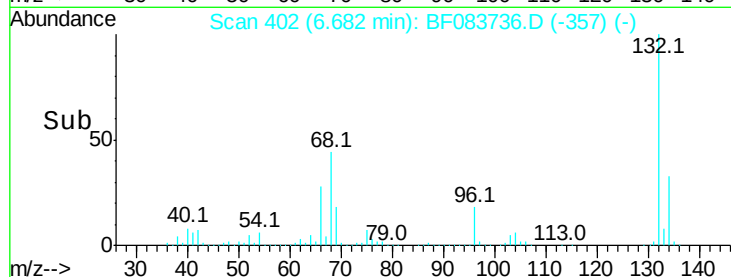
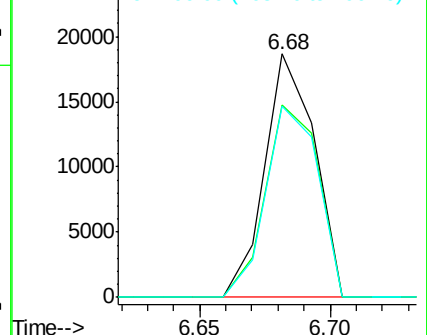
106 78.8 66.8 106.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 1.79 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

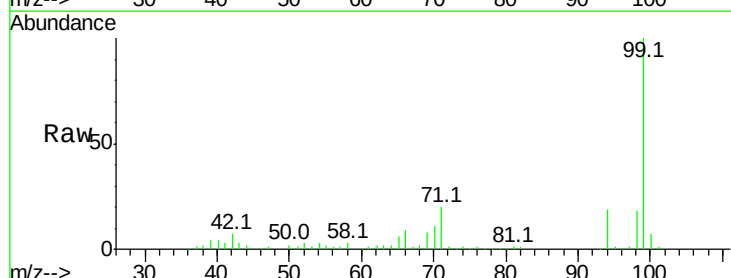
Tgt Ion: 94 Resp: 21561

Ion Ratio Lower Upper

94 100

65 29.8 20.9 60.9

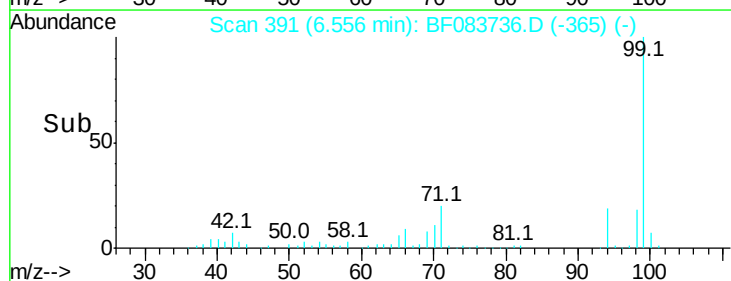
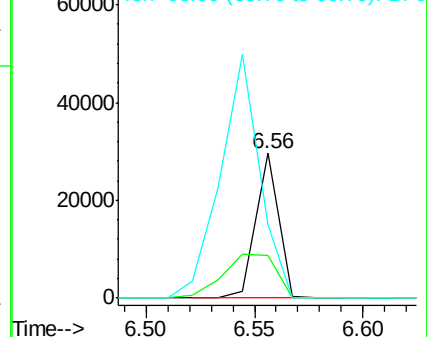
66 50.5 41.6 81.6

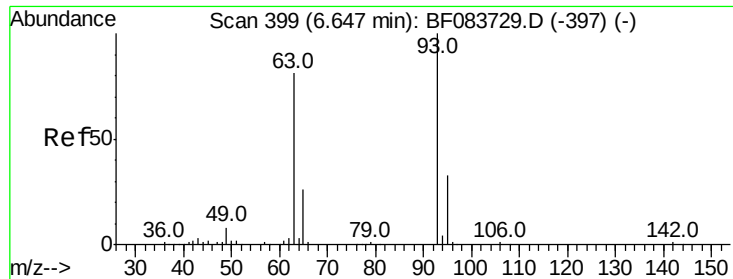


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 0.16 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.02 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

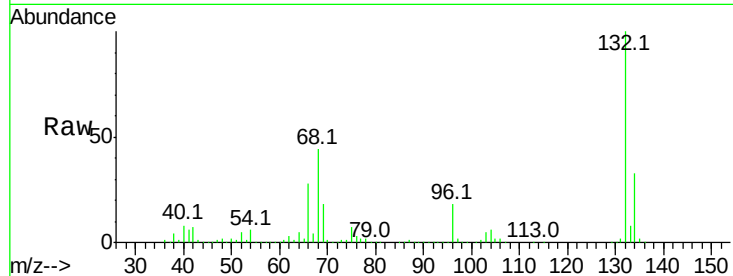
Tot Ion: 93 Resp: 1388

Ion Ratio Lower Upper

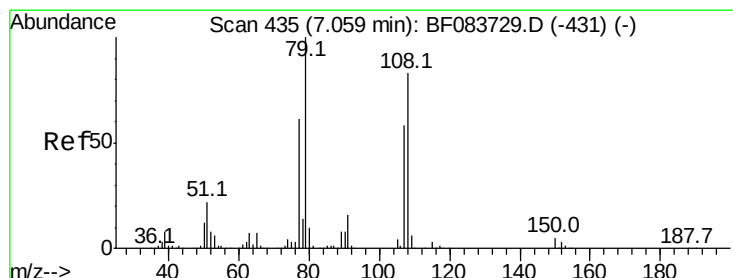
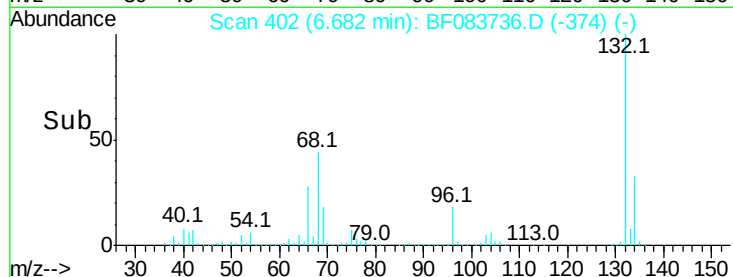
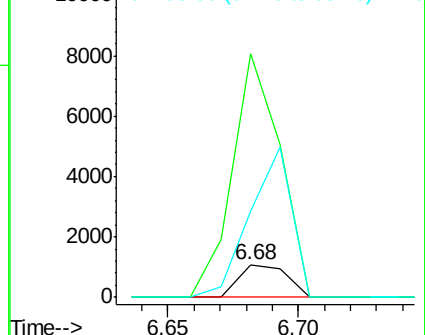
93 100

63 746.3 64.7 104.7#

95 264.2 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: 1.65 ng

RT: 7.07 min Scan# 436

Delta R.T. 0.01 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

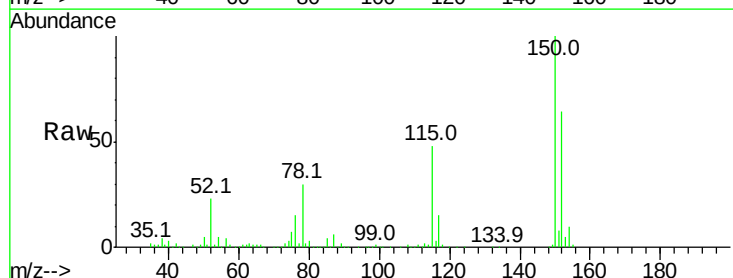
Tgt Ion: 79 Resp: 12686

Ion Ratio Lower Upper

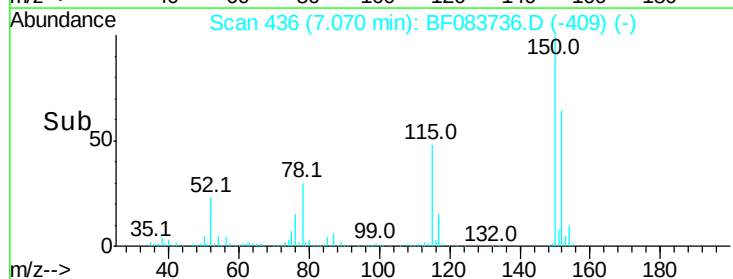
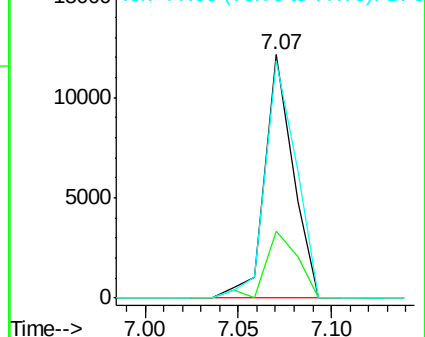
79 100

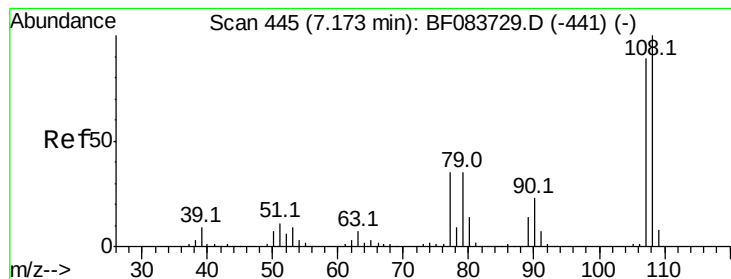
108 27.7 59.6 89.4#

77 97.2 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

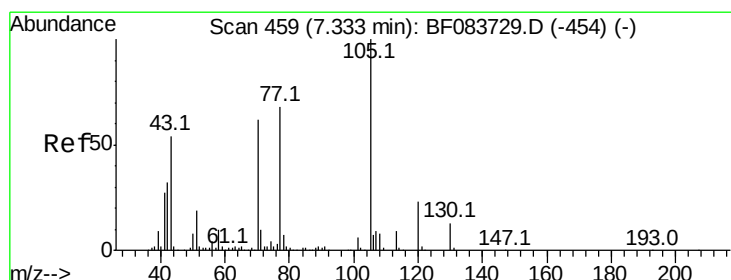
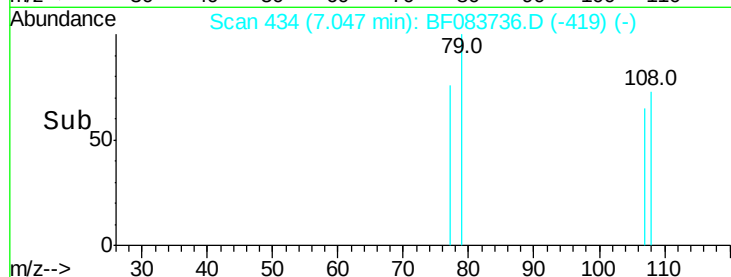
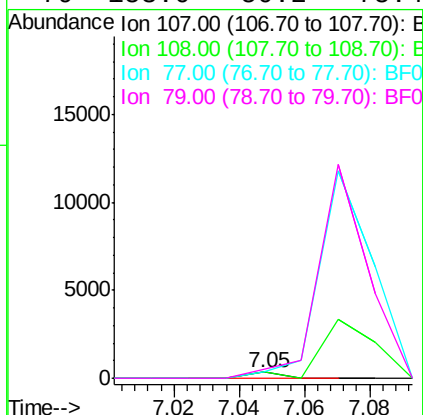
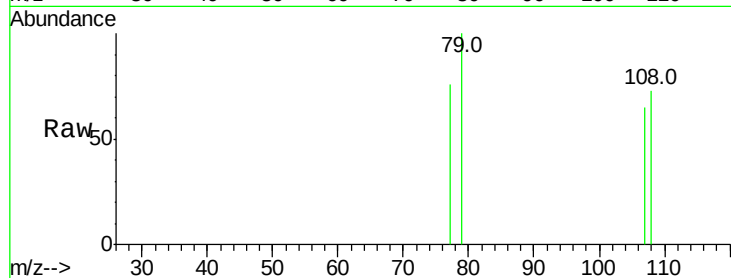




#17
2-Methylphenol
Concen: 0.03 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.13 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

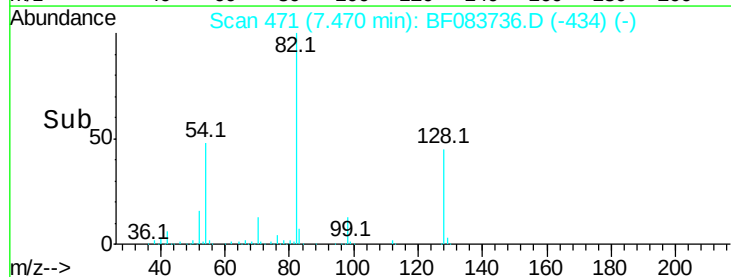
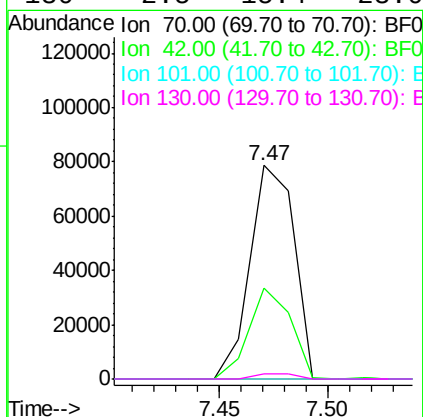
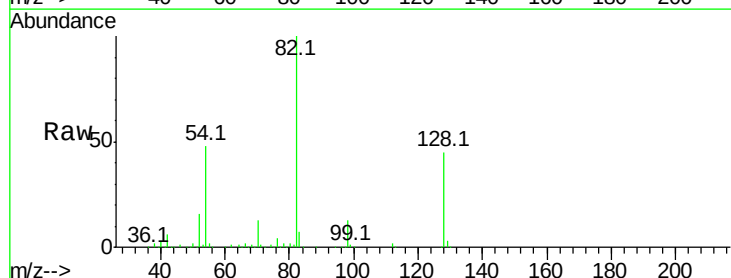
Instrument :
BNA_F
ClientSampleId :

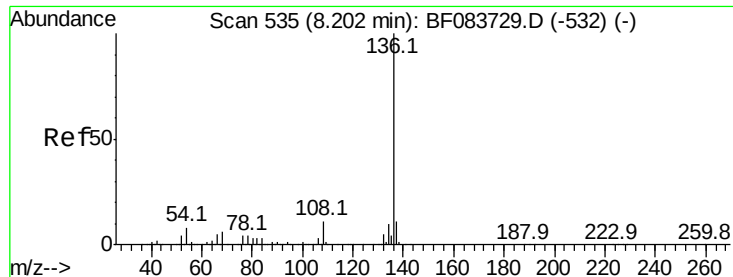
Tot Ion:107 Resp: 228
Ion Ratio Lower Upper
107 100
108 112.3 91.6 137.4
77 116.6 53.7 80.5#
79 153.0 50.2 75.4#



#19
n-Nitroso-di-n-propylamine
Concen: 17.36 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.13 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

Tgt Ion: 70 Resp: 111351
Ion Ratio Lower Upper
70 100
42 42.5 49.2 73.8#
101 0.0 7.1 10.7#
130 2.5 15.4 23.0#

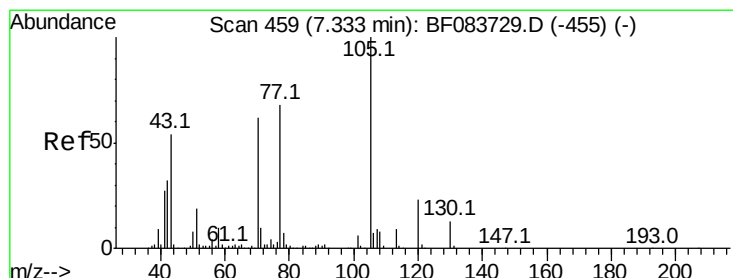
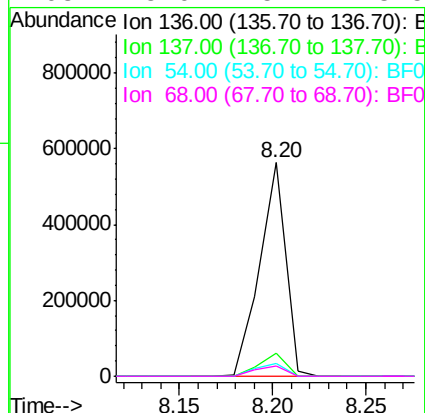
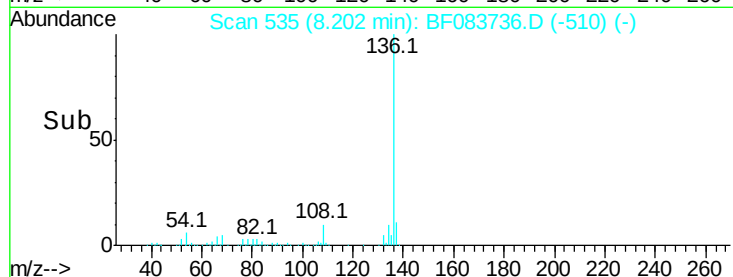
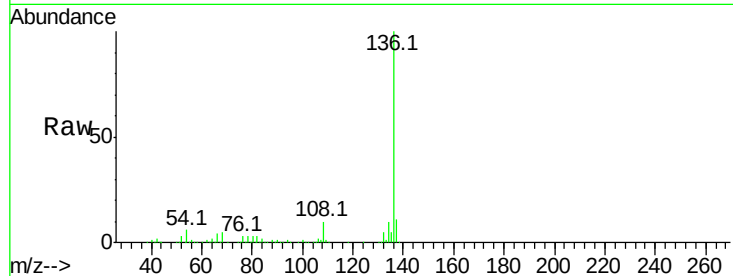




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

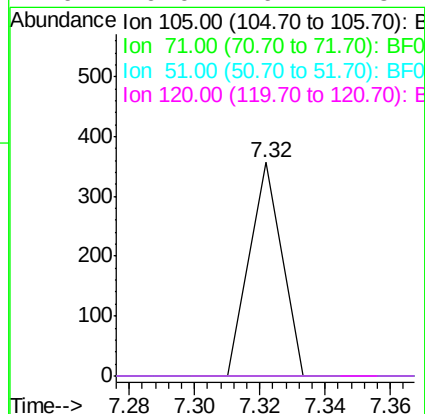
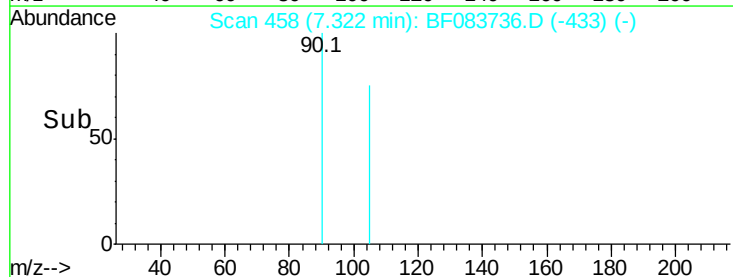
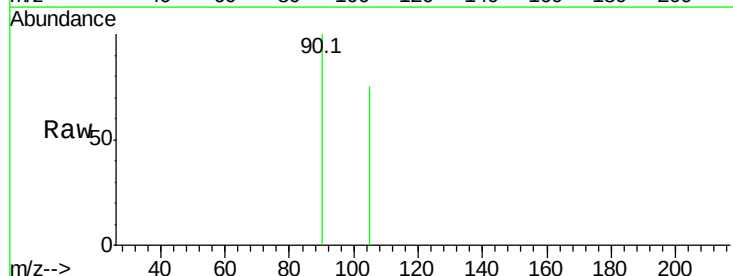
Instrument :
BNA_F
ClientSampleId :

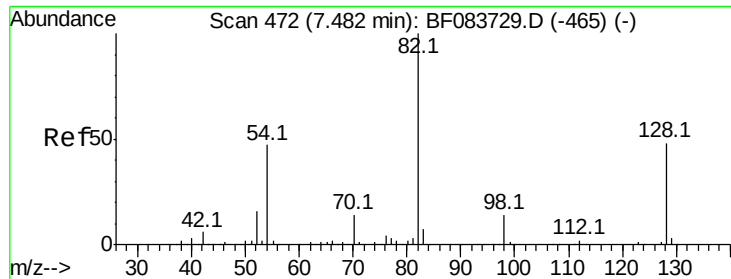
Tot Ion:136	Resp:	541151
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.7 13.1
54	6.0	7.8 11.6#
68	5.0	5.7 8.5#



#22
Acetophenone
Concen: 0.02 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

Tgt Ion:105	Resp:	245
Ion Ratio	Lower	Upper
105	100	
71	0.0	1.3 1.9#
51	0.0	23.8 35.8#
120	0.0	16.7 25.1#

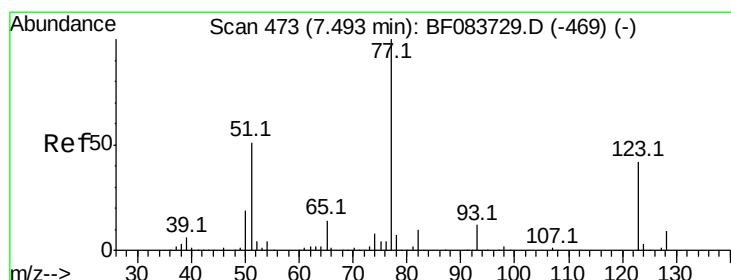
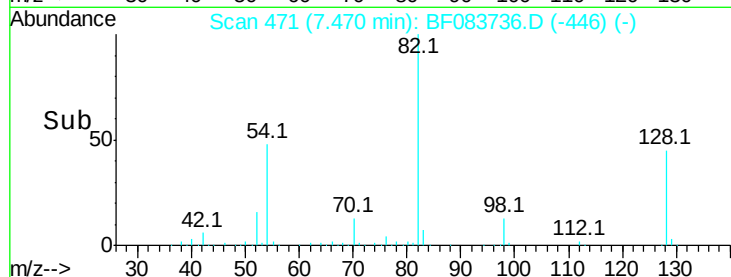
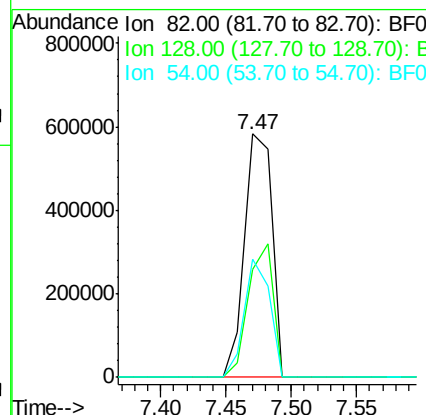
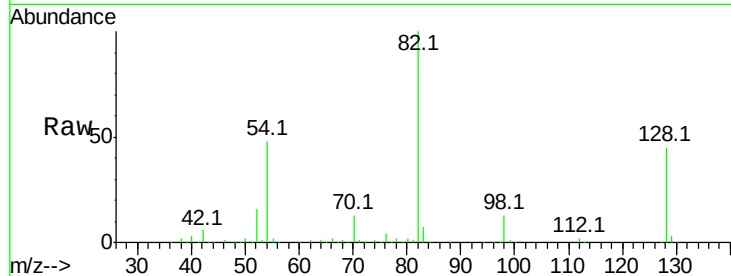




#23
Nitrobenzene-d5
Concen: 87.87 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.01 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

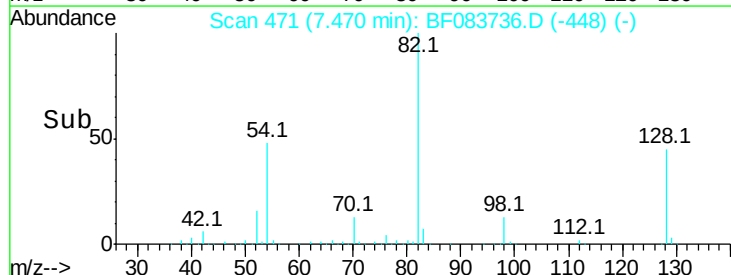
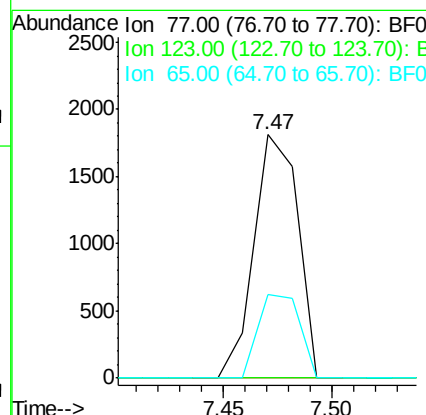
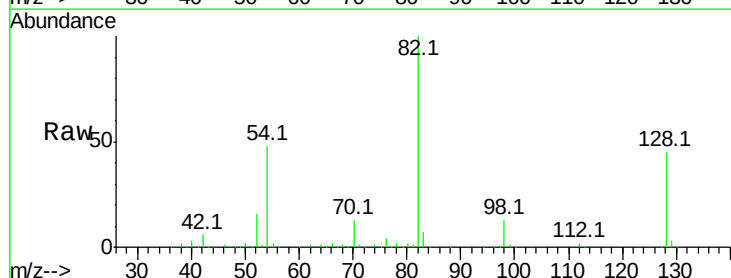
Instrument :
BNA_F
ClientSampleId :

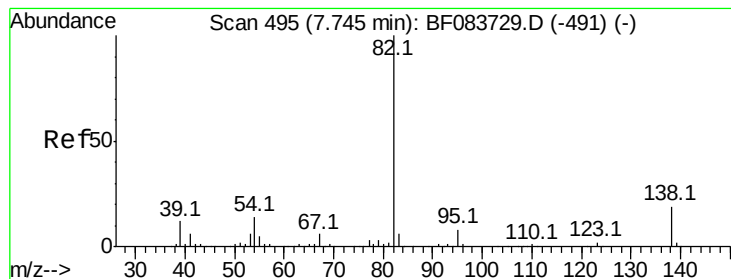
Tot Ion: 82 Resp: 849932
Ion Ratio Lower Upper
82 100
128 44.6 30.7 46.1
54 48.3 42.5 63.7



#24
Nitrobenzene
Concen: 0.25 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.03 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

Tgt Ion: 77 Resp: 2553
Ion Ratio Lower Upper
77 100
123 0.0 29.8 44.6#
65 34.2 11.1 16.7#





#25

Isophorone

Concen: 40.87 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.27 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

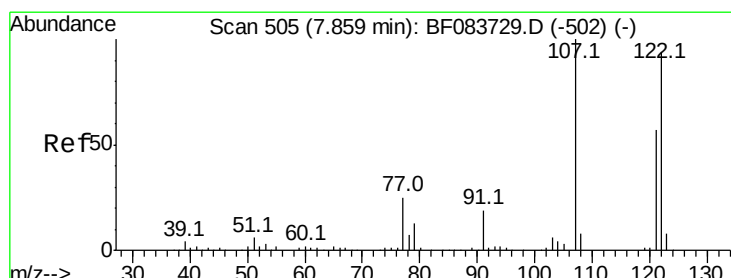
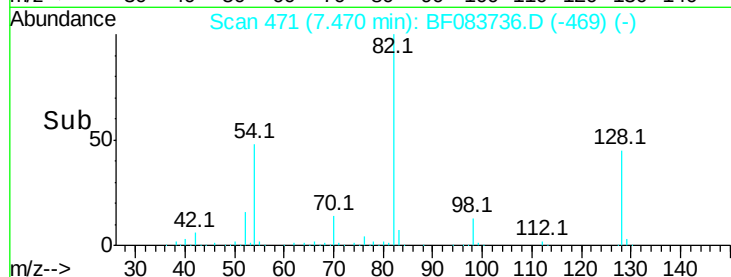
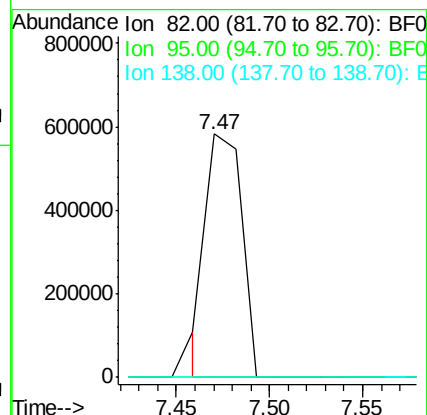
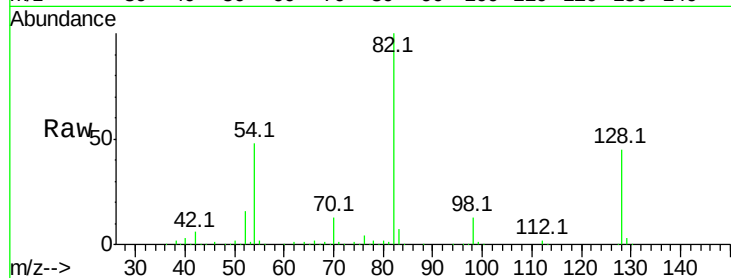
Tot Ion: 82 Resp: 775616

Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.1 18.1#



#27

2,4-Dimethylphenol

Concen: 0.07 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.01 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

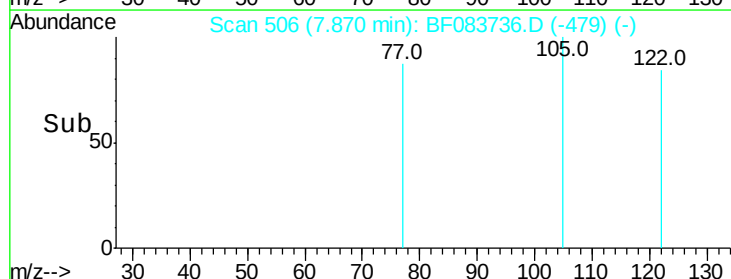
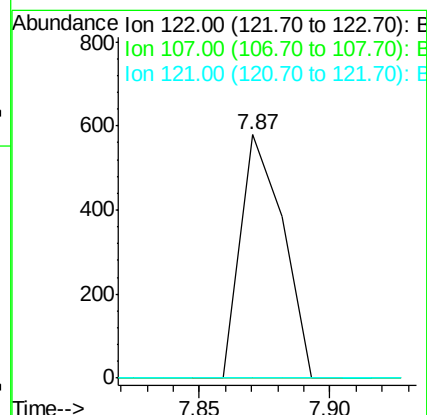
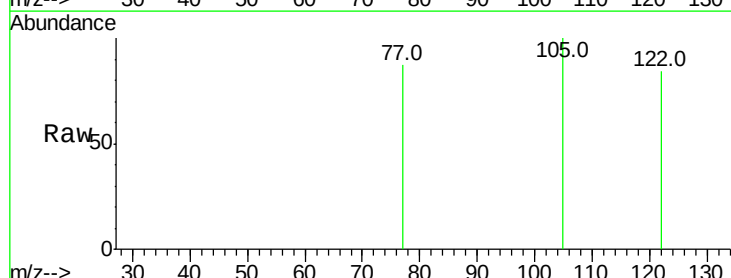
Tgt Ion: 122 Resp: 662

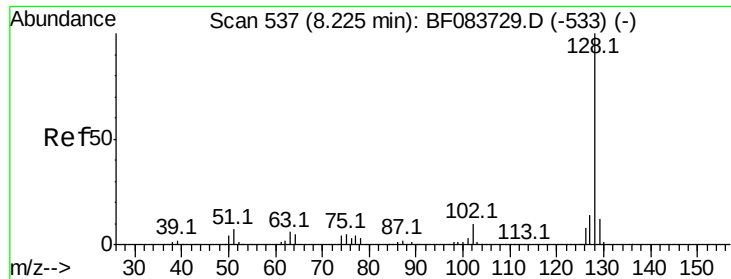
Ion Ratio Lower Upper

122 100

107 0.0 92.4 138.6#

121 0.0 45.8 68.6#

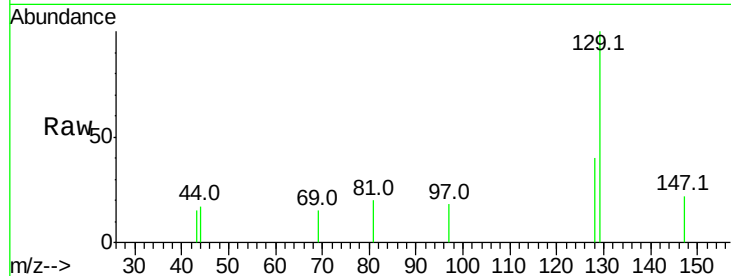




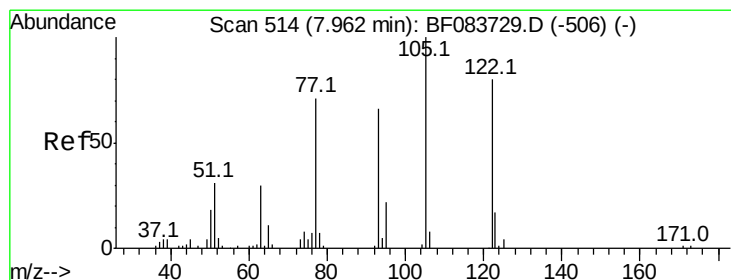
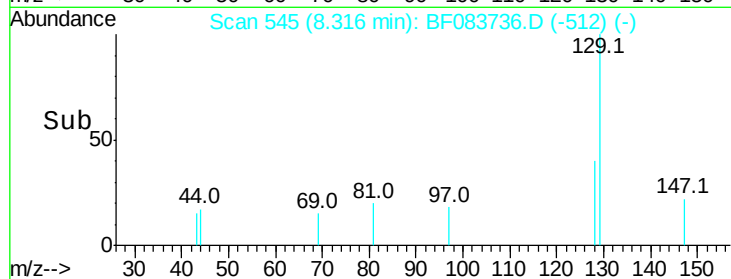
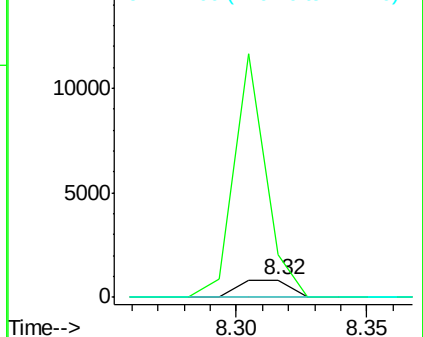
#31
Naphthalene
Concen: 0.04 ng
RT: 8.32 min Scan# 545
Delta R.T. 0.08 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 1134
Ion Ratio Lower Upper
128 100
129 247.7 8.6 13.0#
127 0.0 10.6 16.0#

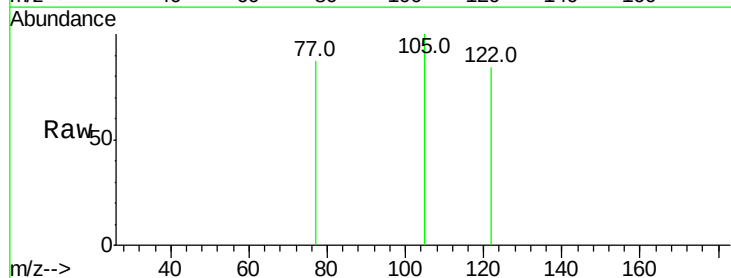


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

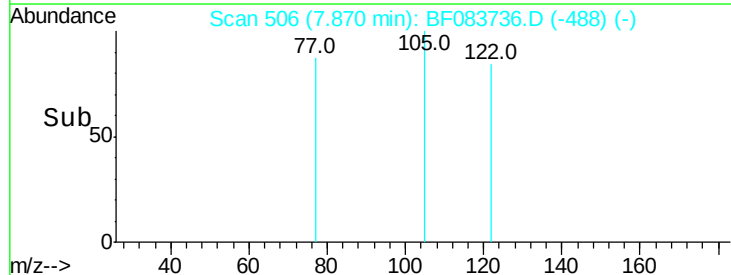
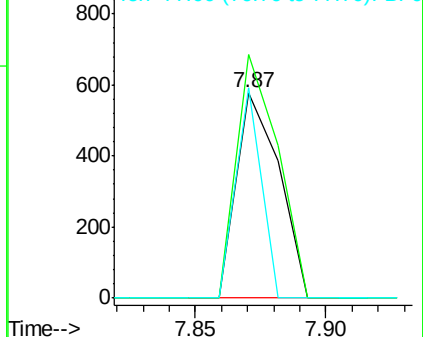


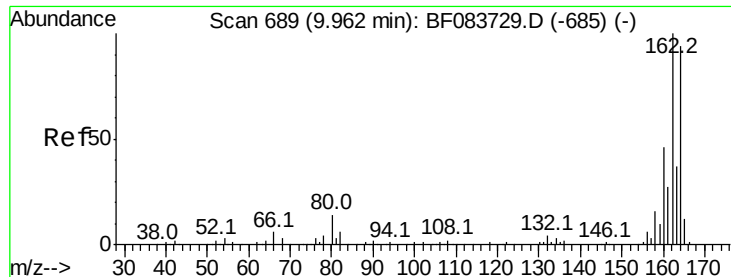
#32
Benzoic acid
Concen: 0.11 ng
RT: 7.87 min Scan# 506
Delta R.T. -0.09 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

Tgt Ion:122 Resp: 662
Ion Ratio Lower Upper
122 100
105 118.5 105.6 145.6
77 102.6 86.8 126.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

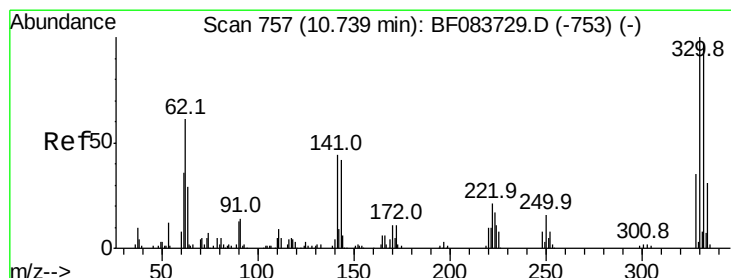
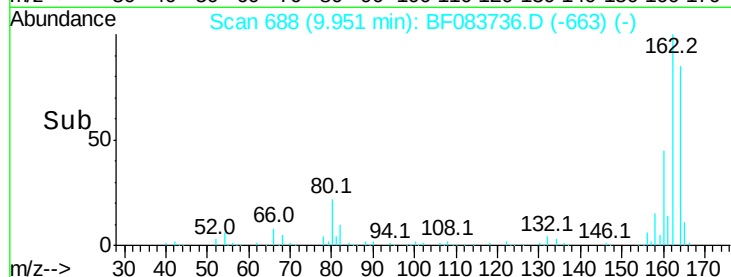
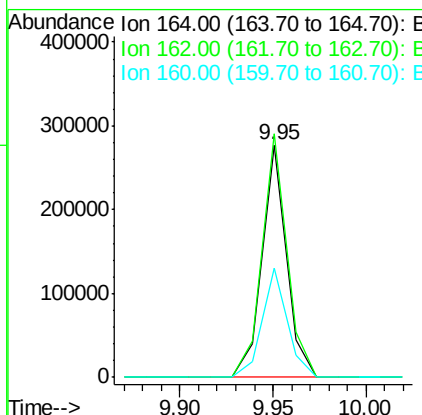
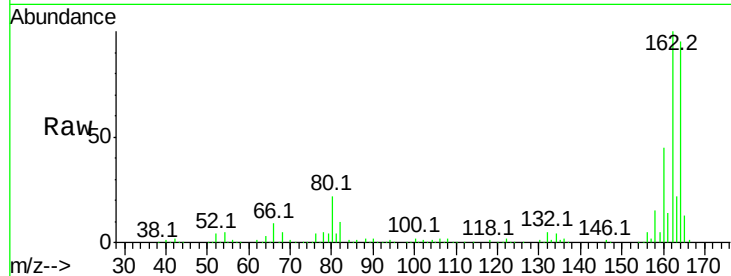




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF083736.D
 Acq: 13 Dec 2015 18:29

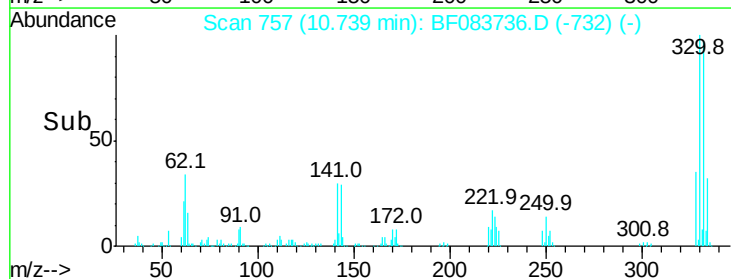
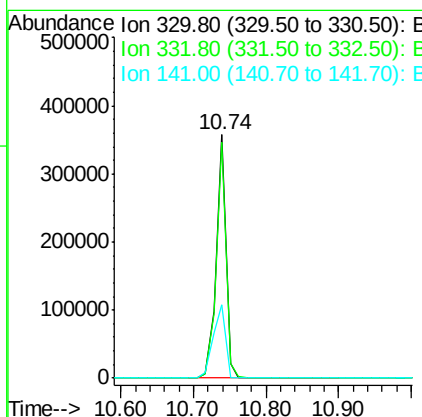
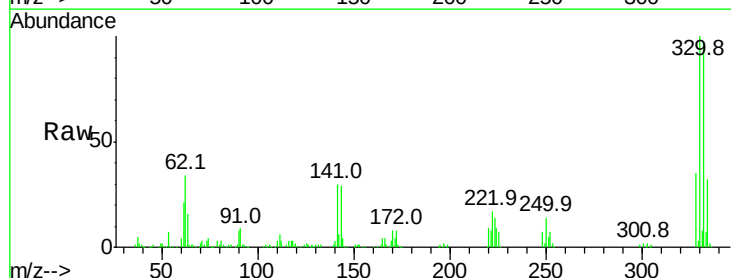
Instrument :
 BNA_F
 ClientSampleId :

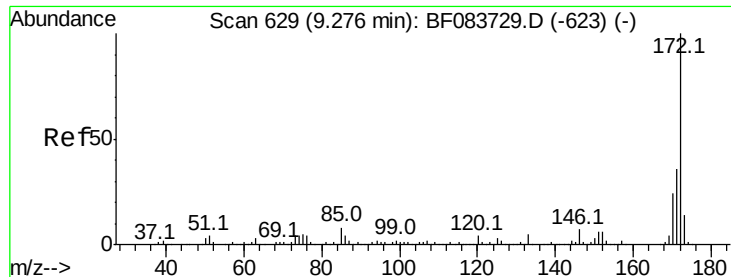
Tot Ion:164 Resp: 249322
 Ion Ratio Lower Upper
 164 100
 162 104.8 78.8 118.2
 160 47.2 33.4 50.2



#41
 2,4,6-Tribromophenol
 Concen: 132.52 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF083736.D
 Acq: 13 Dec 2015 18:29

Tgt Ion:330 Resp: 336682
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 37.8 0.0 0.0#



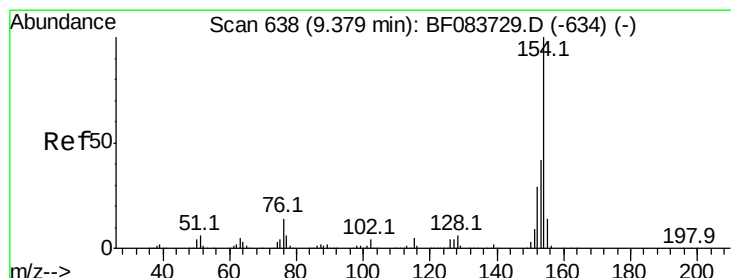
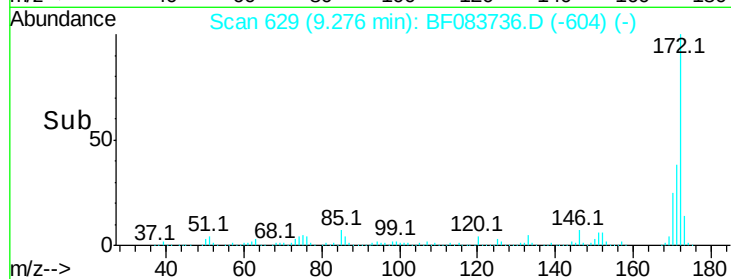
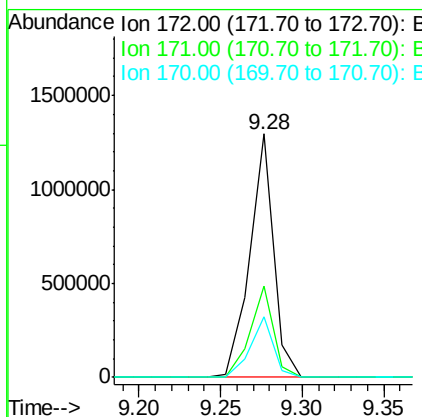
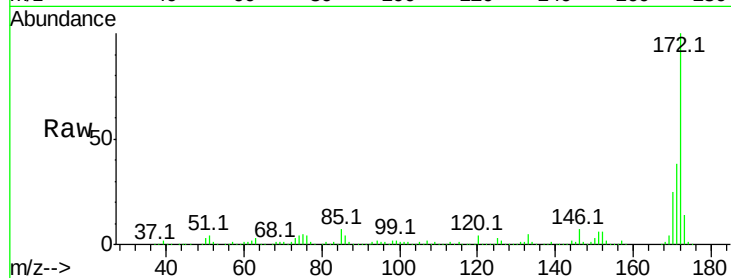


#44
 2-Fluorobiphenyl
 Concen: 74.02 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF083736.D
 Acq: 13 Dec 2015 18:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1309403

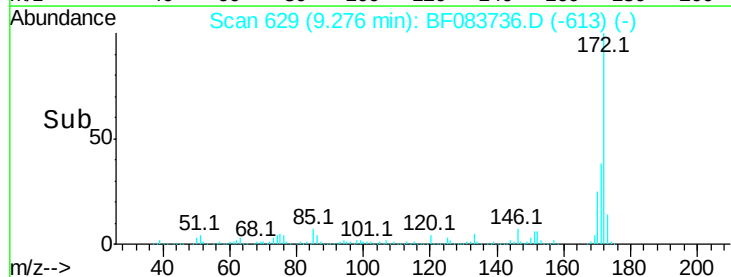
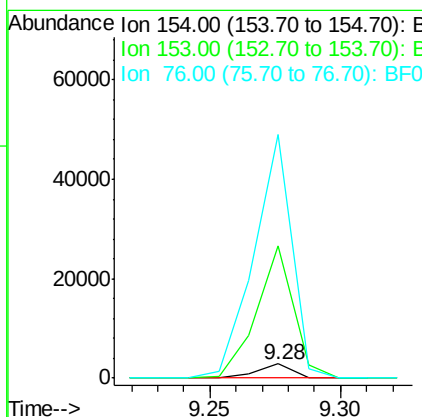
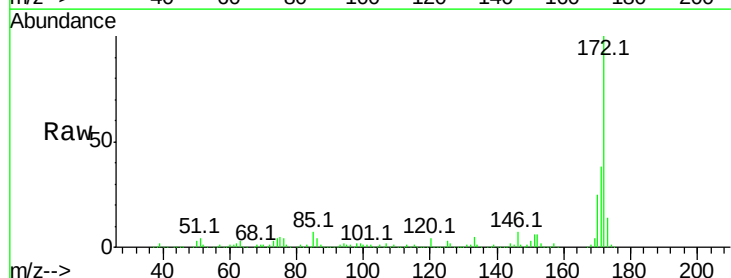
Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.6	42.8
170	24.9	19.4	29.0

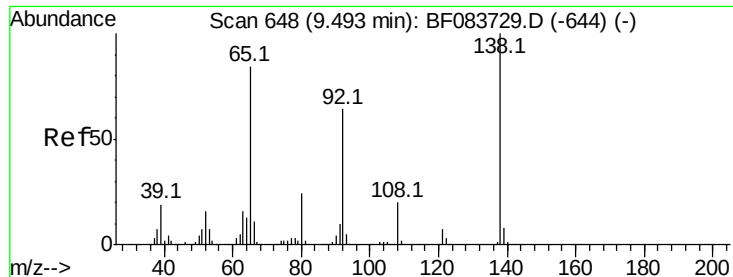


#45
 1,1'-Biphenyl
 Concen: 0.12 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.11 min
 Lab File: BF083736.D
 Acq: 13 Dec 2015 18:29

Tgt Ion:154 Resp: 2607

Ion	Ratio	Lower	Upper
154	100		
153	919.2	20.2	60.2#
76	1697.6	0.0	34.8#

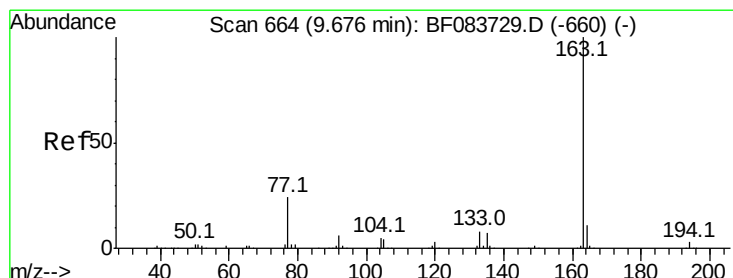
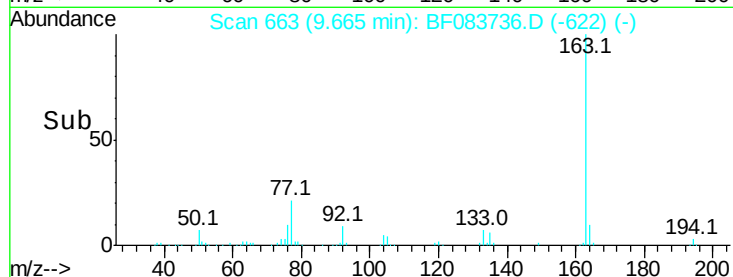
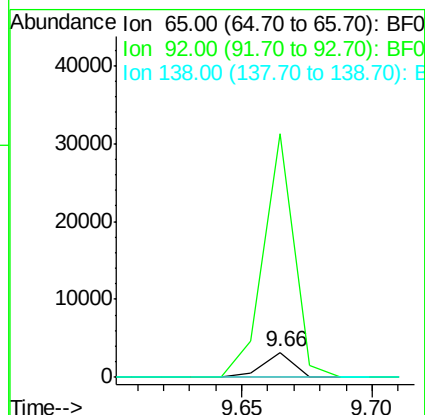
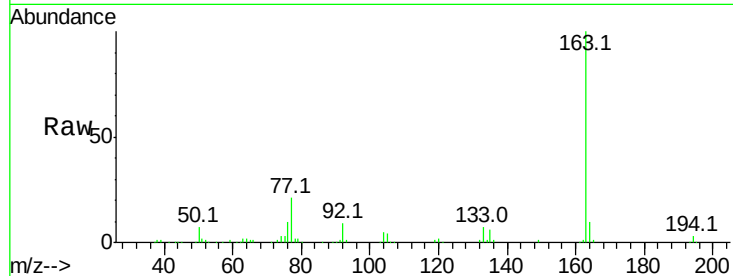




#47
2-Nitroaniline
Concen: 0.55 ng
RT: 9.66 min Scan# 663
Delta R.T. 0.17 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

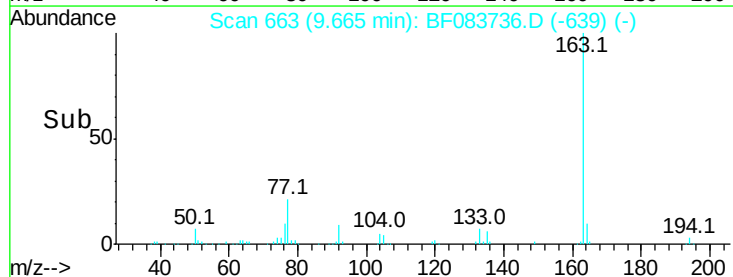
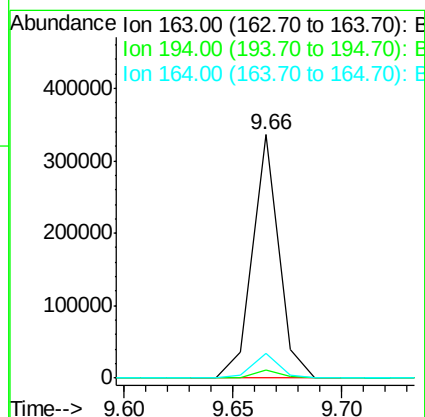
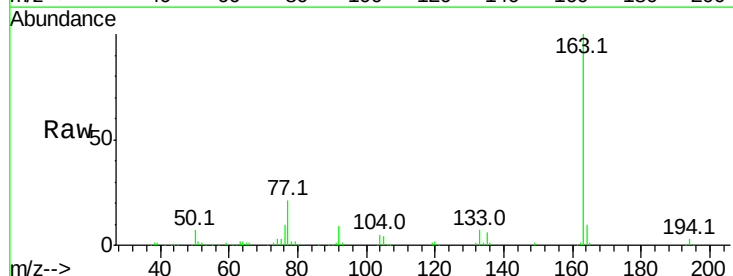
Instrument :
BNA_F
ClientSampleId :

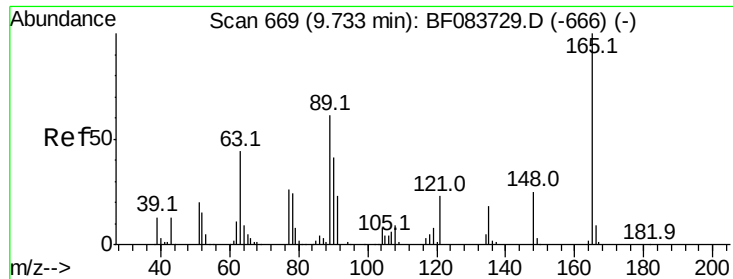
Tot Ion: 65 Resp: 2548
Ion Ratio Lower Upper
65 100
92 975.5 49.6 74.4#
138 0.0 64.1 96.1#



#49
Dimethylphthalate
Concen: 14.51 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

Tgt Ion:163 Resp: 282031
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.0 8.6 13.0

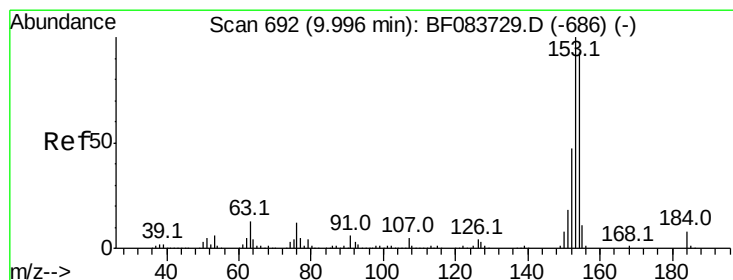
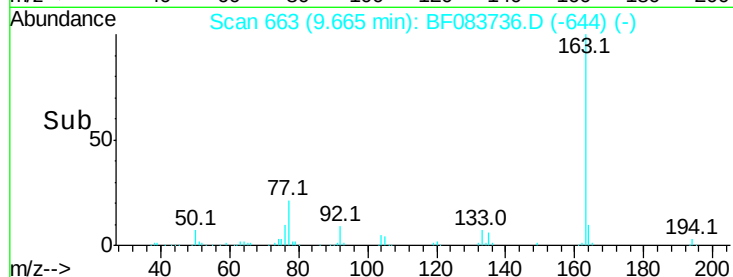
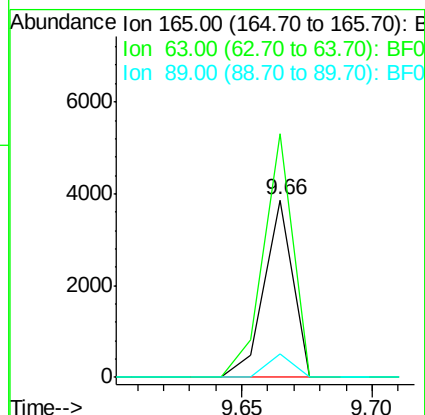
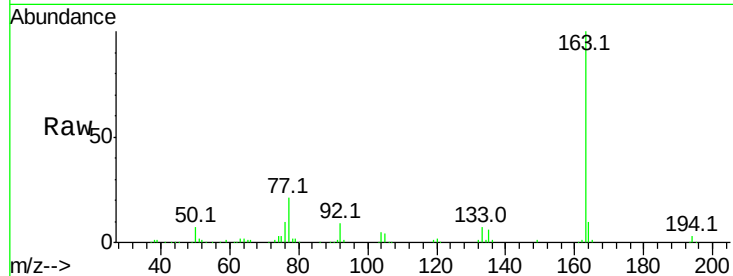




#50
 2,6-Dinitrotoluene
 Concen: 0.72 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.08 min
 Lab File: BF083736.D
 Acq: 13 Dec 2015 18:29

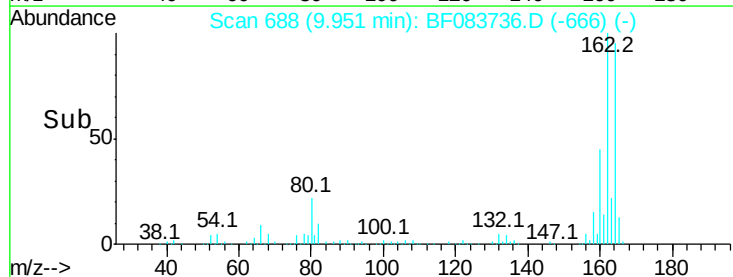
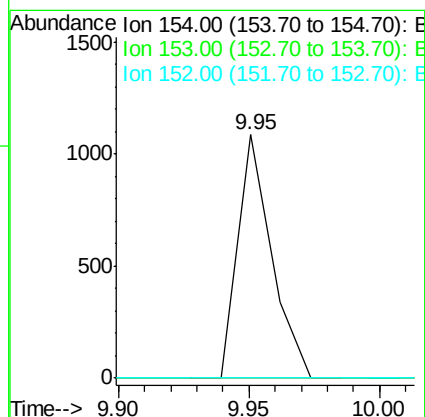
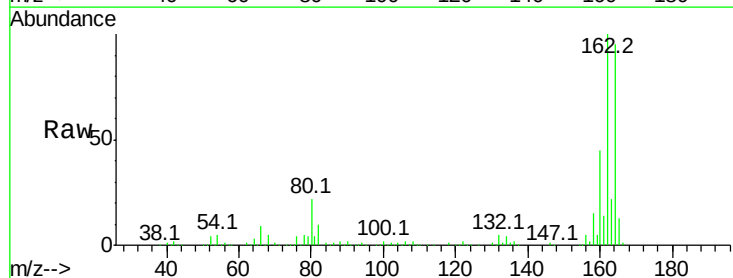
Instrument :
 BNA_F
 ClientSampleId :

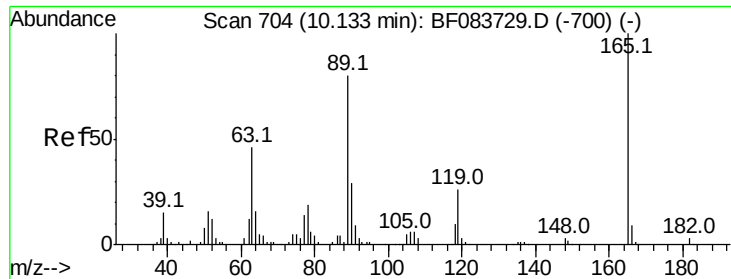
Tot Ion:165 Resp: 2981
 Ion Ratio Lower Upper
 165 100
 63 137.4 56.9 85.3#
 89 13.1 52.1 78.1#



#51
 Acenaphthene
 Concen: 0.06 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.05 min
 Lab File: BF083736.D
 Acq: 13 Dec 2015 18:29

Tgt Ion:154 Resp: 977
 Ion Ratio Lower Upper
 154 100
 153 0.0 91.4 137.0#
 152 0.0 43.4 65.2#





#56

2,4-Dinitrotoluene

Concen: 5.93 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.19 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 31954

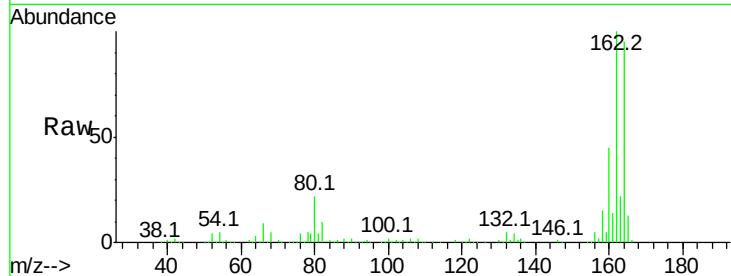
Ion Ratio Lower Upper

165 100

63 1.3 51.4 77.2#

89 1.5 72.6 108.8#

182 0.0 1.4 2.0#

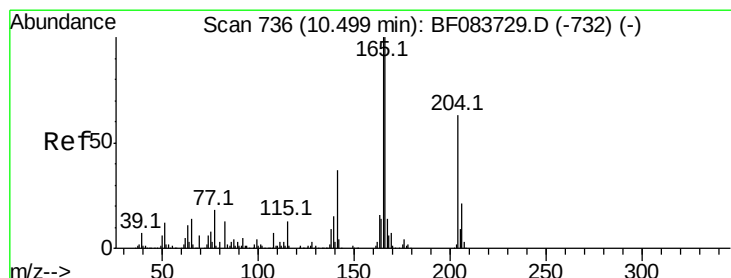
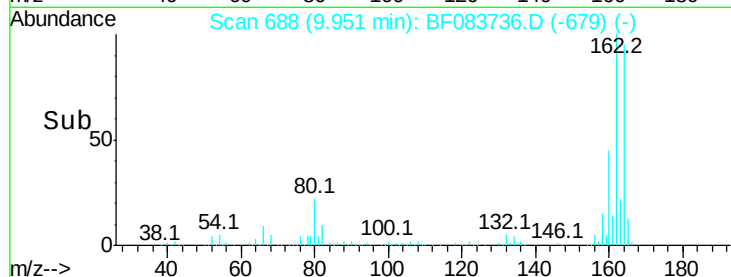
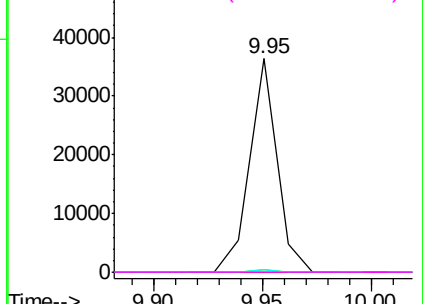


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.96 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.23 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

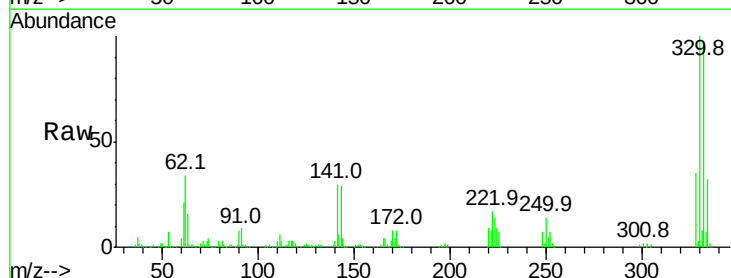
Tgt Ion:166 Resp: 16576

Ion Ratio Lower Upper

166 100

165 97.8 80.0 120.0

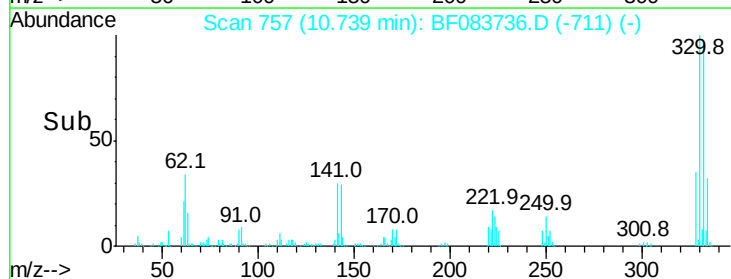
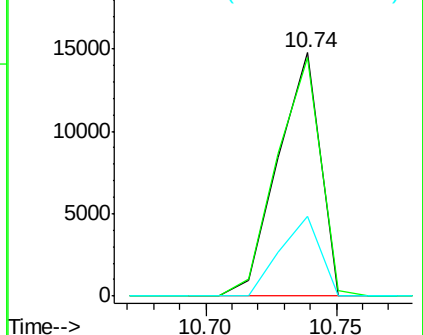
167 32.9 10.6 16.0#

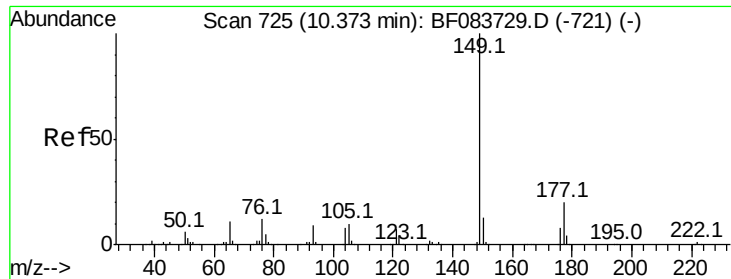


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

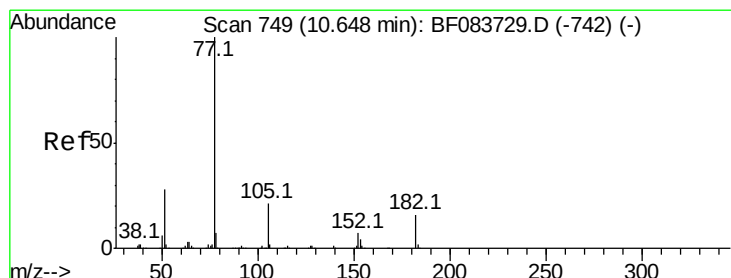
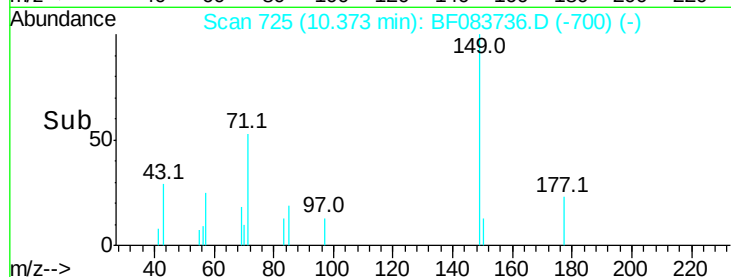
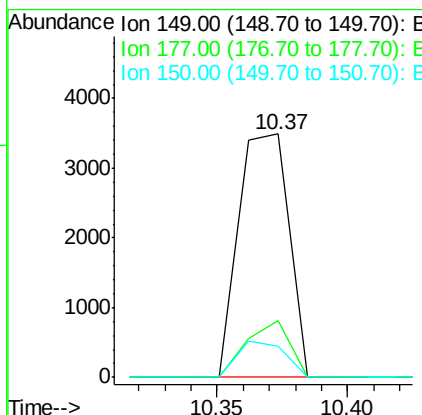
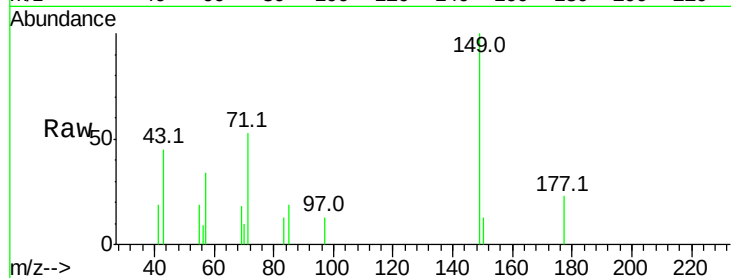




#59
Diethylphthalate
Concen: 0.24 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

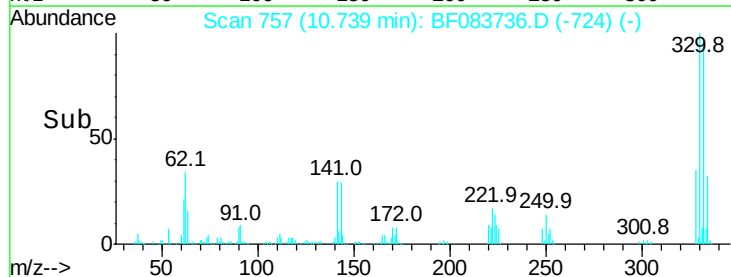
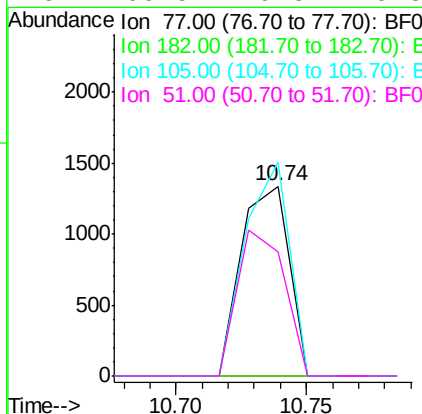
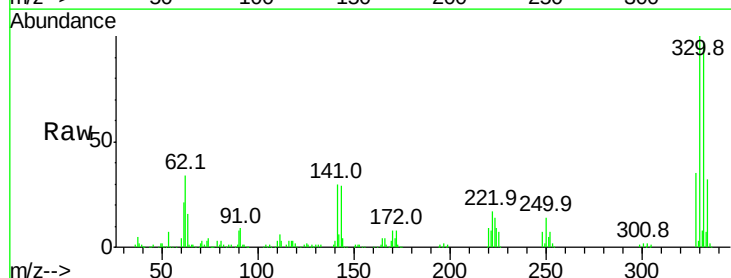
Instrument :
BNA_F
ClientSampleId :

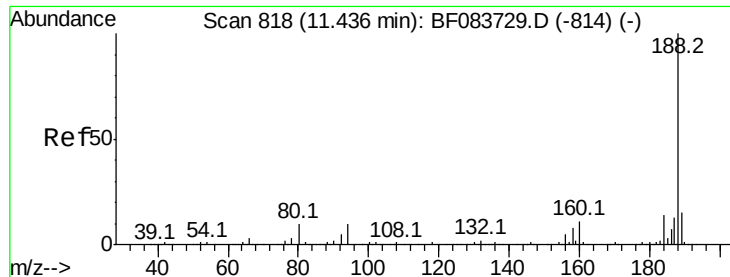
Tot Ion:149 Resp: 4730
Ion Ratio Lower Upper
149 100
177 23.3 16.9 25.3
150 12.9 10.2 15.4



#62
Azobenzene
Concen: 0.10 ng
RT: 10.74 min Scan# 757
Delta R.T. 0.08 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

Tgt Ion: 77 Resp: 1725
Ion Ratio Lower Upper
77 100
182 0.0 2.5 42.5#
105 112.6 2.1 42.1#
51 65.5 9.3 49.3#

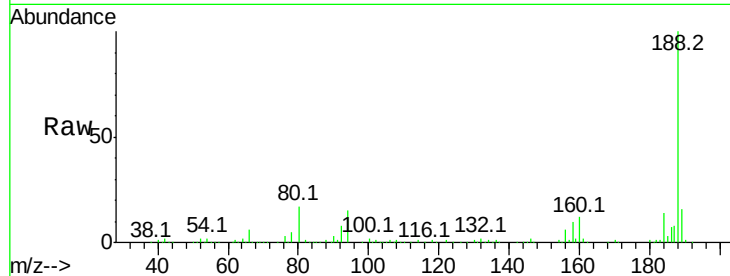




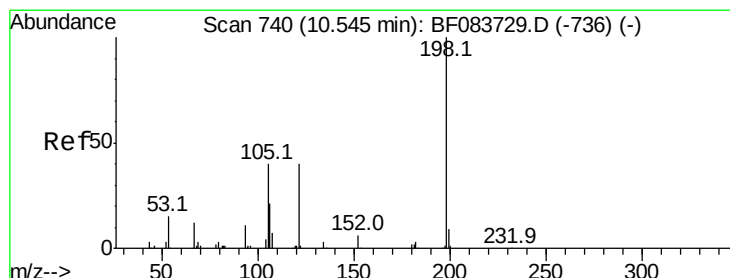
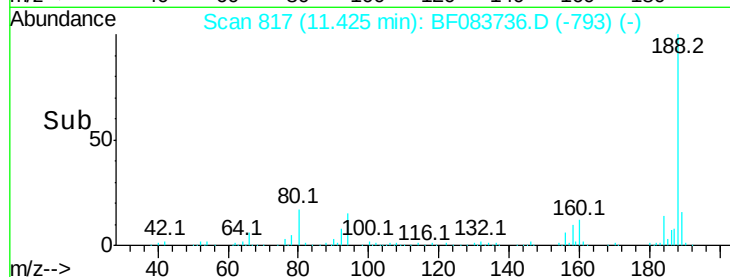
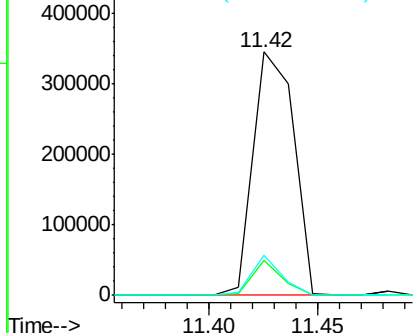
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BF083736.D
 Acq: 13 Dec 2015 18:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 453032
 Ion Ratio Lower Upper
 188 100
 94 14.5 9.4 14.2#
 80 16.5 10.6 16.0#

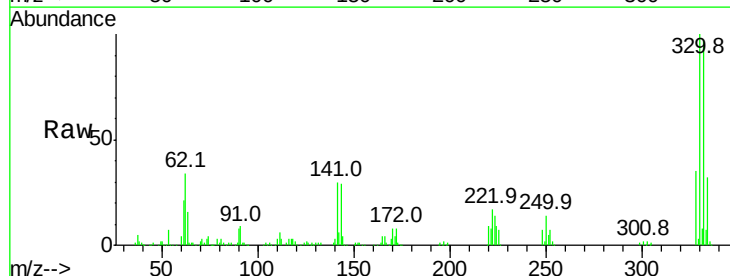


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

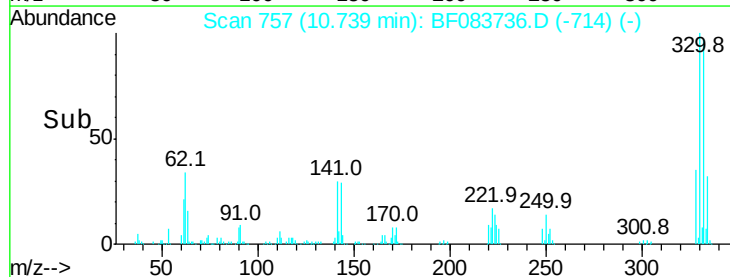
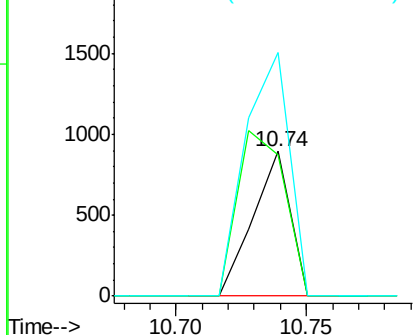


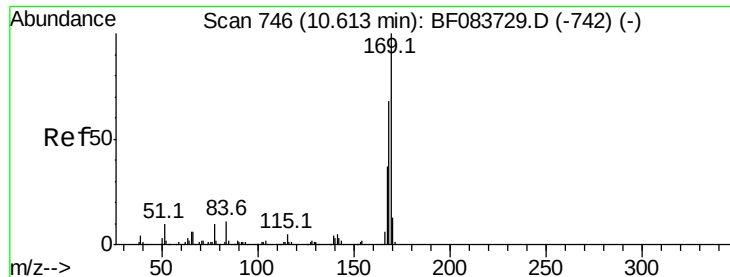
#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.35 ng
 RT: 10.74 min Scan# 757
 Delta R.T. 0.20 min
 Lab File: BF083736.D
 Acq: 13 Dec 2015 18:29

Tgt Ion:198 Resp: 895
 Ion Ratio Lower Upper
 198 100
 51 98.0 53.8 93.8#
 105 168.3 38.6 78.6#



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





#65

n-Nitrosodiphenylamine

Concen: 0.71 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.13 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

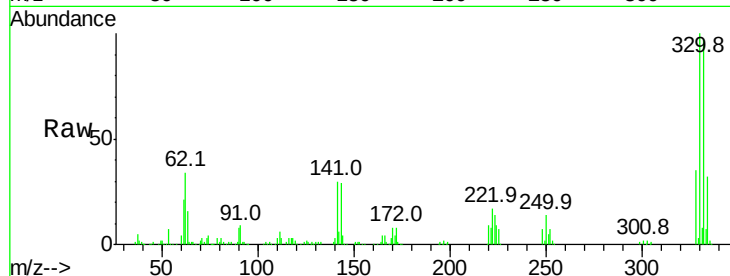
Tot Ion:169 Resp: 11028

Ion Ratio Lower Upper

169 100

168 7.1 53.0 79.6#

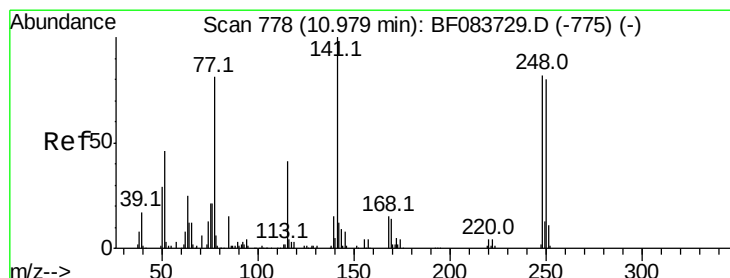
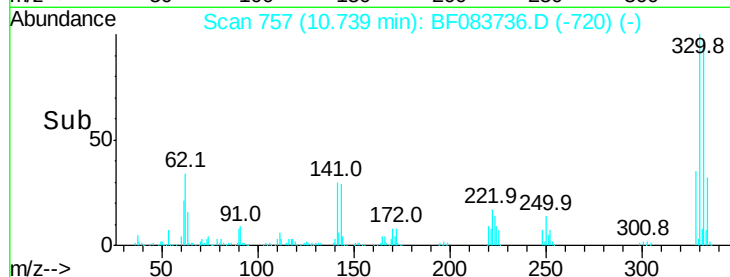
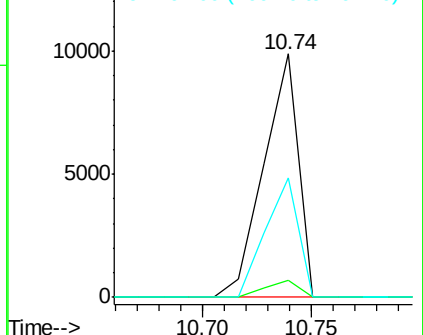
167 49.1 29.3 43.9#



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: 4.71 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.25 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

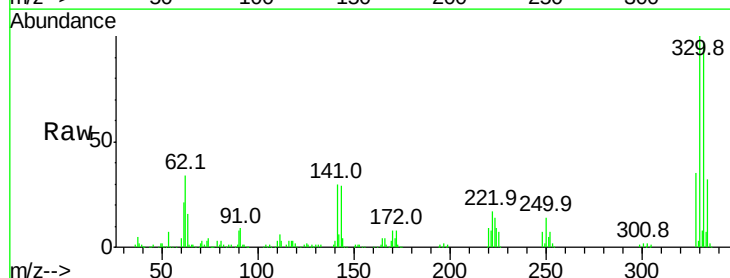
Tgt Ion:248 Resp: 23880

Ion Ratio Lower Upper

248 100

250 202.6 79.2 118.8#

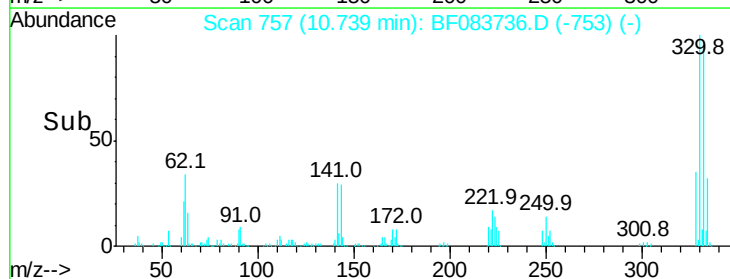
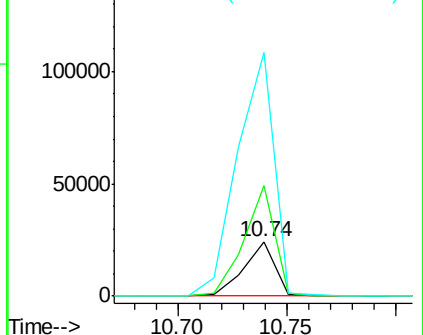
141 448.3 58.2 87.4#

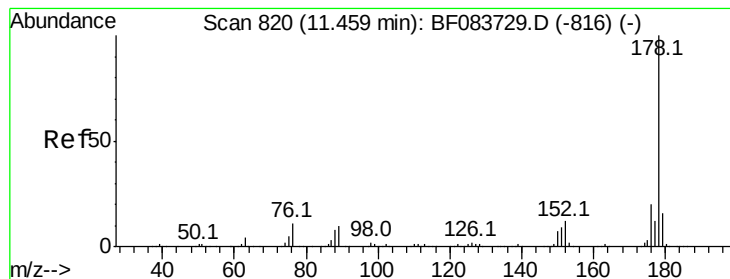


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 0.02 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

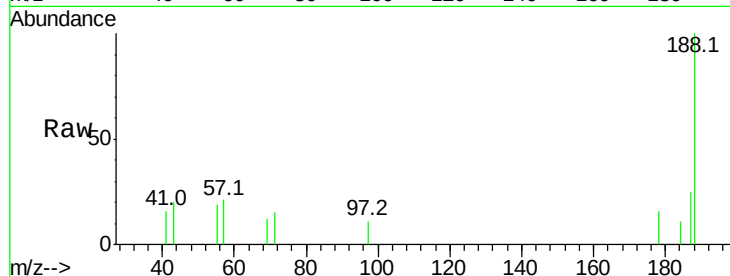
Tot Ion:178 Resp: 505

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

11.45

400

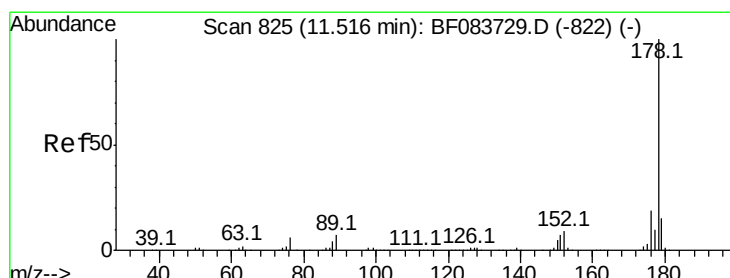
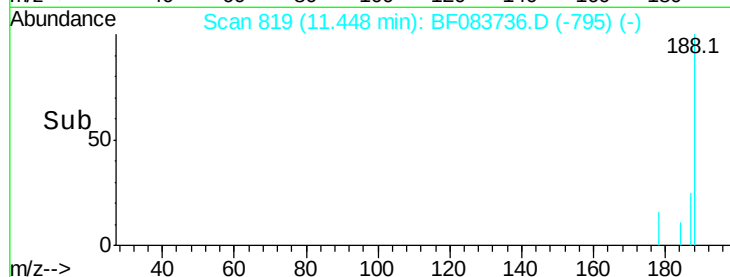
300

200

100

0

Time--> 11.40 11.45 11.50



#71

Anthracene

Concen: 0.02 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.07 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

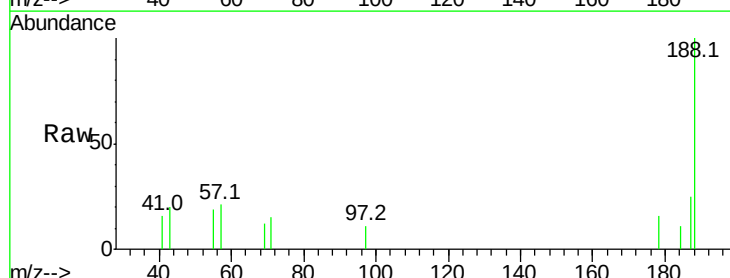
Tgt Ion:178 Resp: 505

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

11.45

400

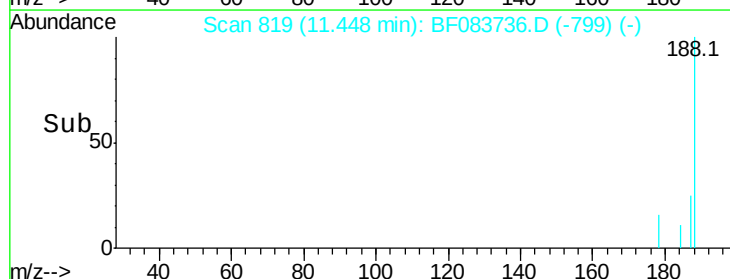
300

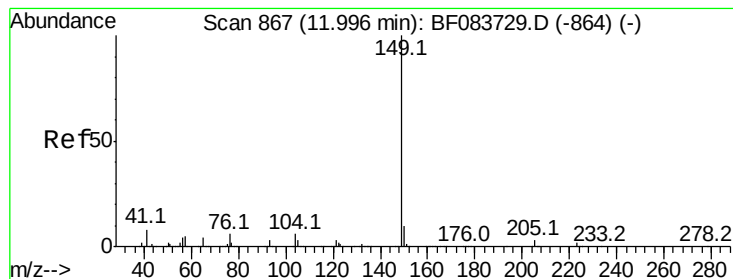
200

100

0

Time--> 11.40 11.45 11.50





#73

Di-n-butylphthalate

Concen: 0.07 ng

RT: 12.00 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

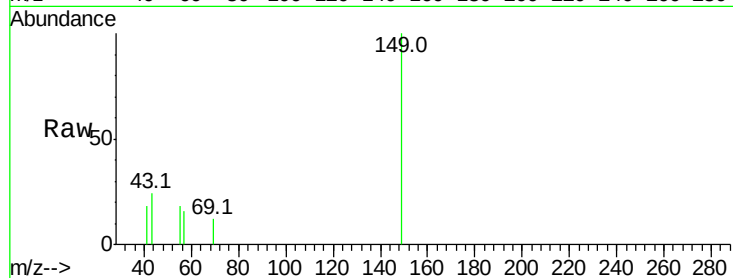
Tot Ion:149 Resp: 1955

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

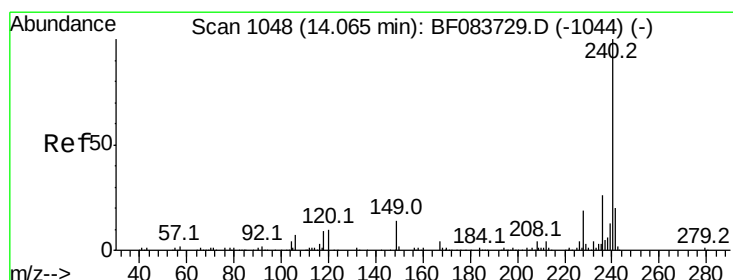
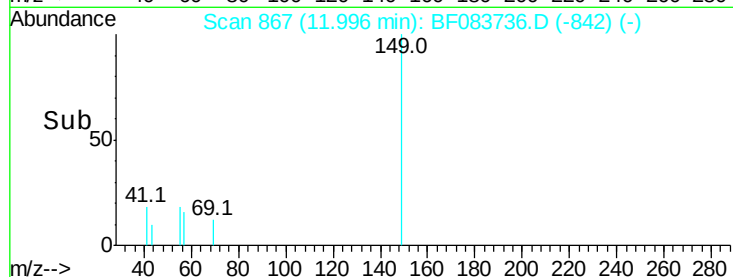
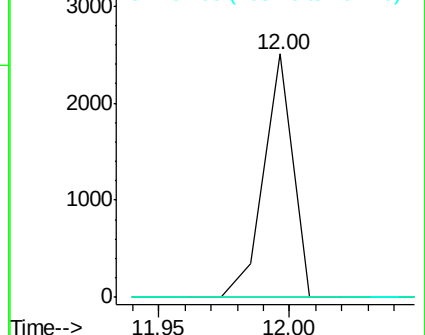
104 0.0 3.9 5.9#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

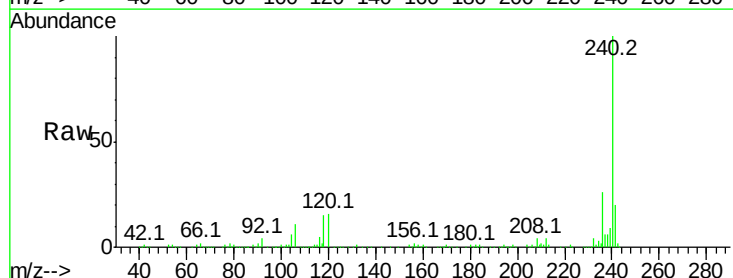
Tgt Ion:240 Resp: 356027

Ion Ratio Lower Upper

240 100

120 16.2 8.1 12.1#

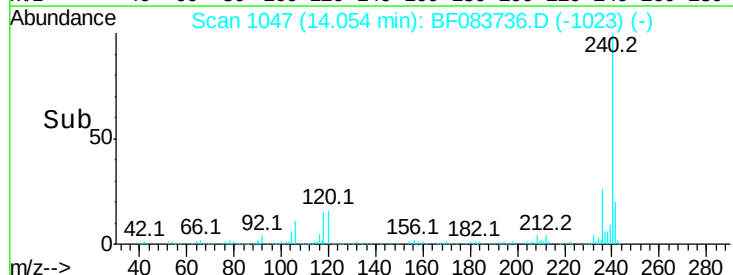
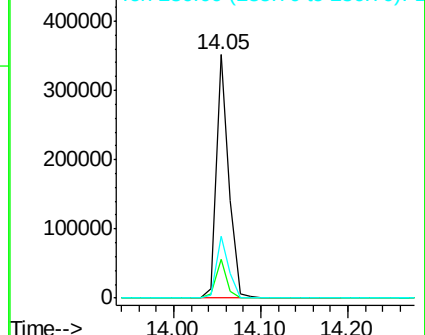
236 25.6 20.8 31.2

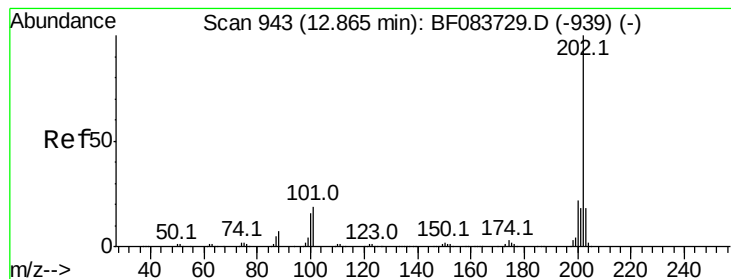


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 0.15 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.14 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

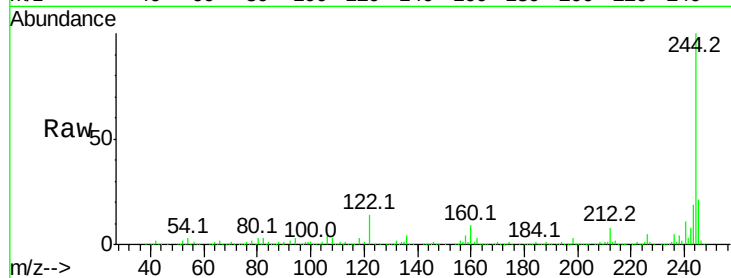
Tot Ion:202 Resp: 4153

Ion Ratio Lower Upper

202 100

200 49.3 16.7 25.1#

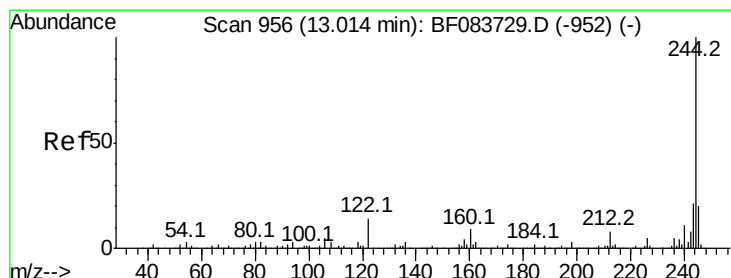
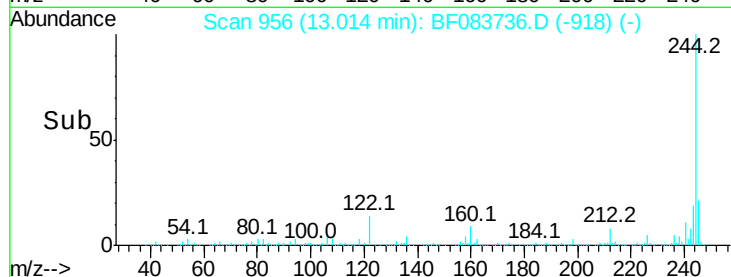
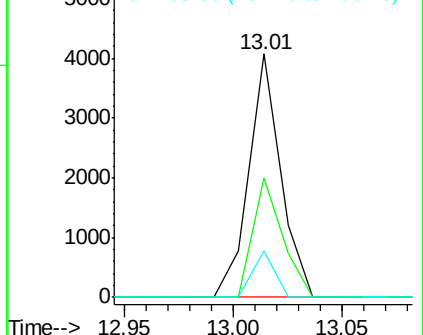
203 19.0 14.3 21.5



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: 73.75 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

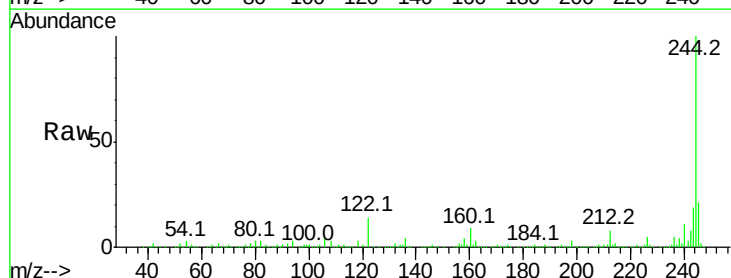
Tgt Ion:244 Resp: 1220719

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

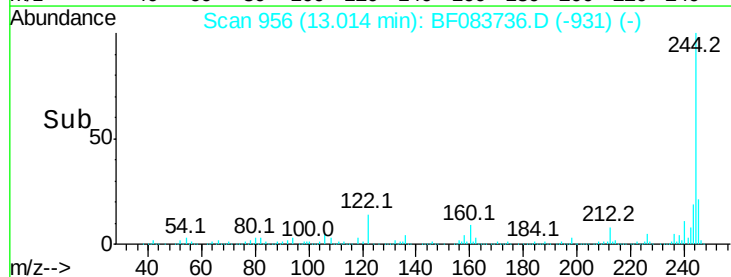
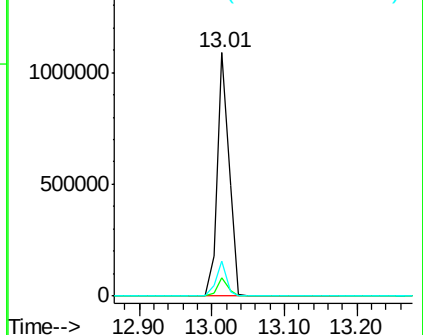
122 14.3 11.0 16.6

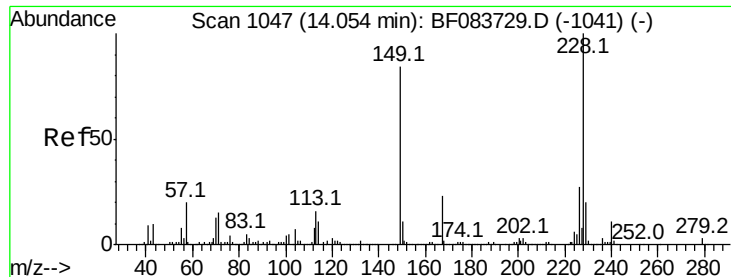


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 0.05 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

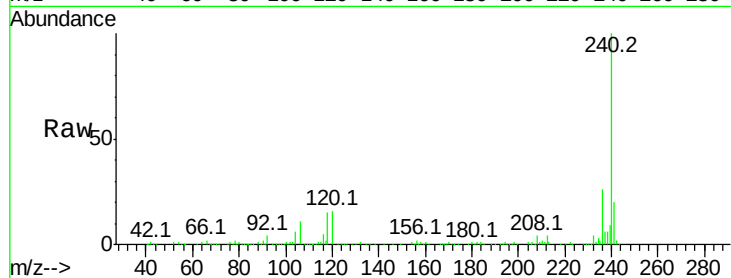
Tot Ion:228 Resp: 991

Ion Ratio Lower Upper

228 100

226 0.0 22.3 33.5#

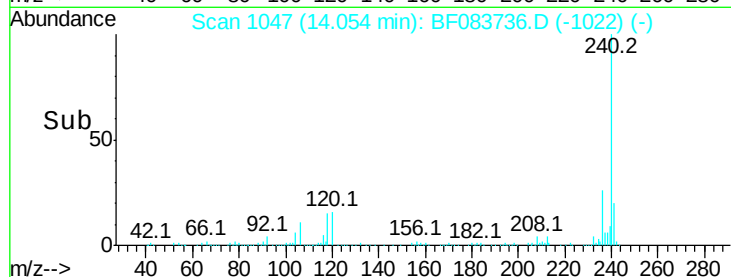
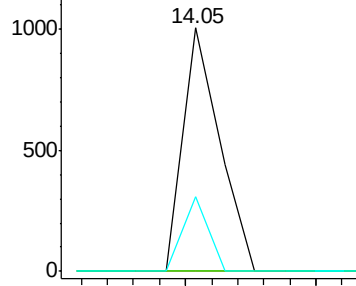
229 30.4 15.7 23.5#



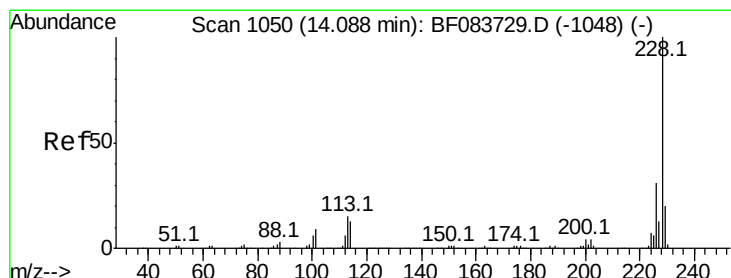
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 0.05 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.05 min

Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

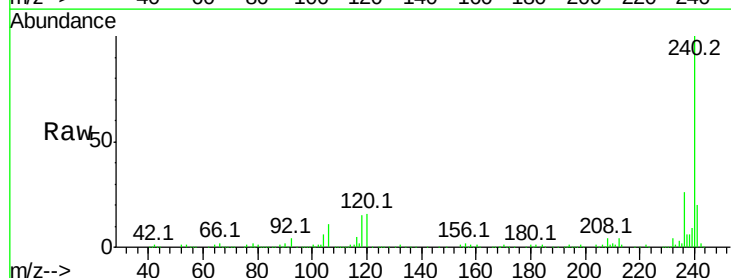
Tgt Ion:228 Resp: 991

Ion Ratio Lower Upper

228 100

226 0.0 24.7 37.1#

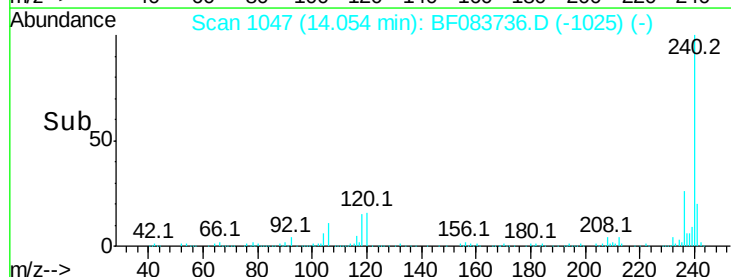
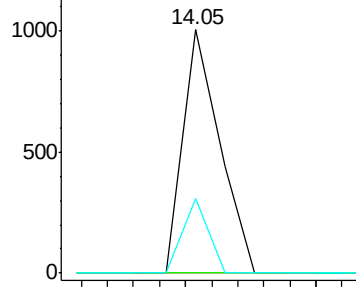
229 30.4 16.3 24.5#



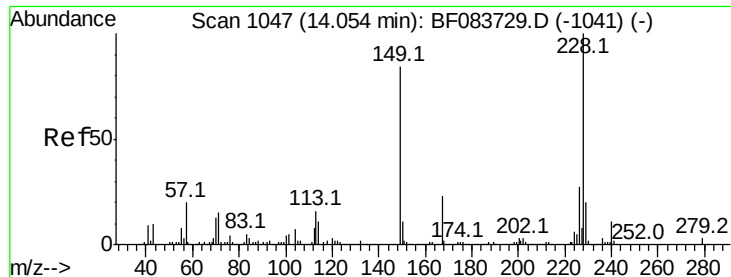
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



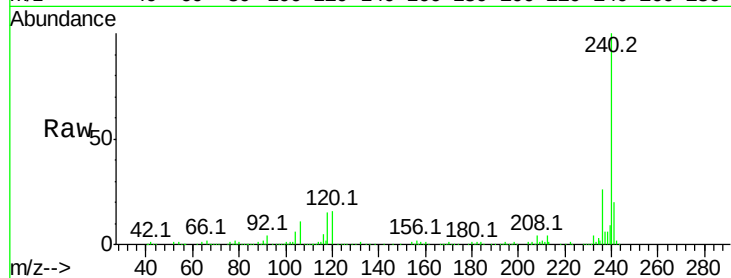
Time-->



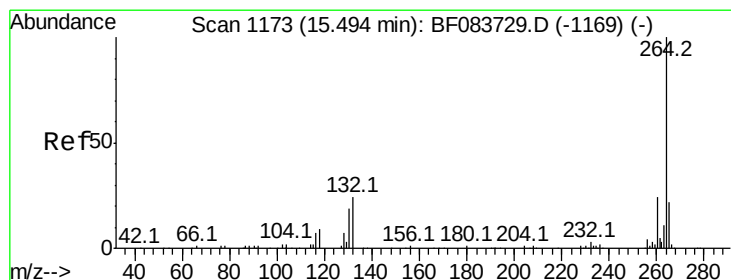
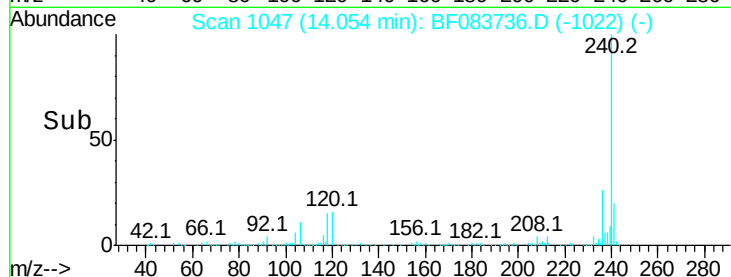
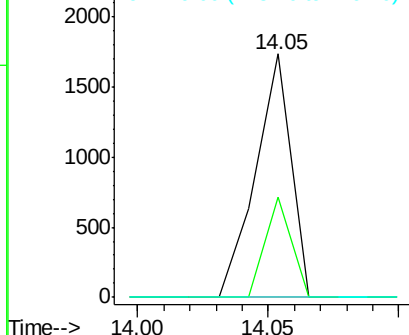
#83
Bis(2-ethylhexyl)phthalate
Concen: 0.12 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 1626
Ion Ratio Lower Upper
149 100
167 41.2 21.8 32.8#
279 0.0 3.0 4.4#

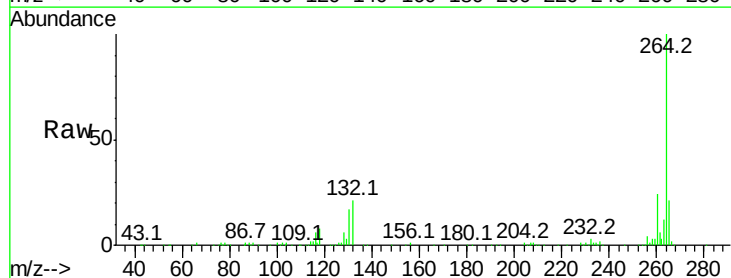


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

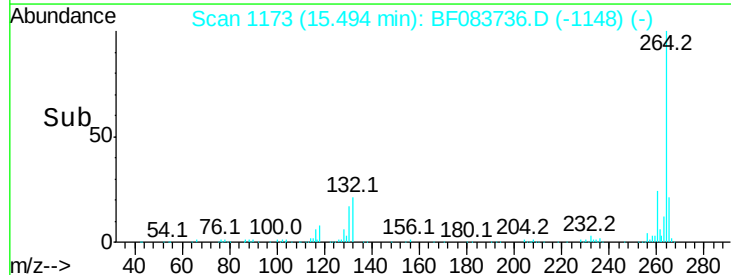
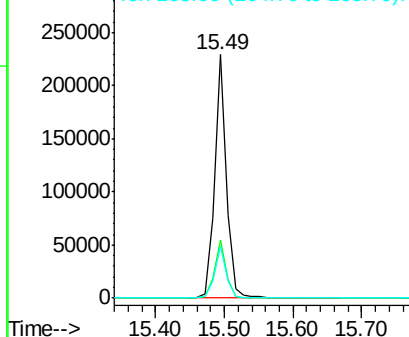


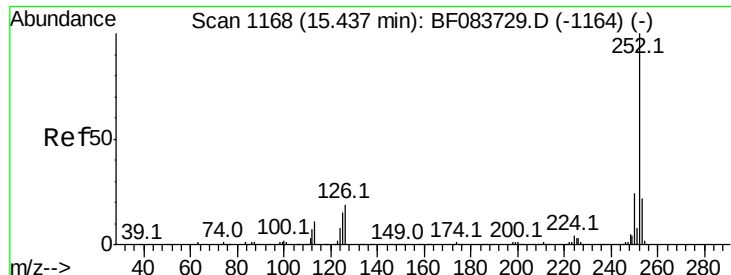
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF083736.D
Acq: 13 Dec 2015 18:29

Tgt Ion:264 Resp: 278628
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.0
265 21.5 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





#89

Benzo(a)pyrene

Concen: 0.04 ng

RT: 15.49 min Scan# 1173

Delta R.T. 0.05 min

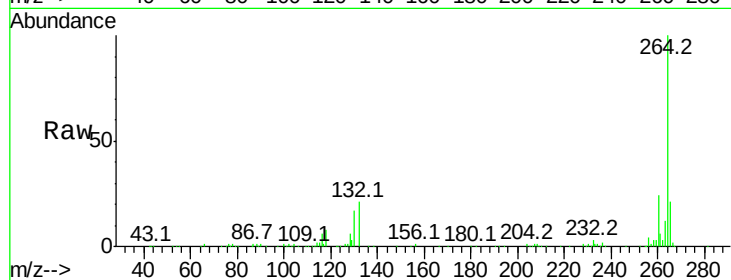
Lab File: BF083736.D

Acq: 13 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :



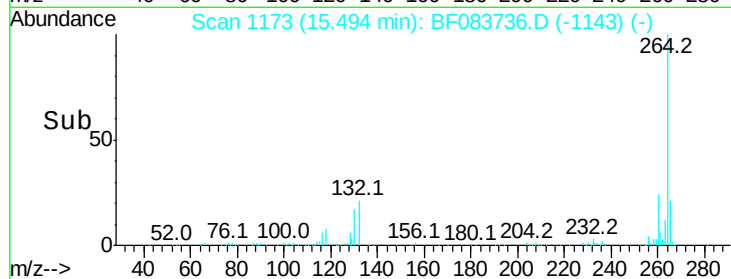
Tot Ion:252 Resp: 577

Ion Ratio Lower Upper

252 100

253 0.0 17.5 26.3#

125 0.0 11.0 16.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

