

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083737.D
 Acq On : 13 Dec 2015 18:56
 Operator : UM/IZ
 Sample : G4648-16
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 02:31:09 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	121444	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	487295	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	225085	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	404693	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	281886	20.00	ng	-0.02
86) Perylene-d12	15.49	264	223917	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	921850	122.46	ng	0.00
7) Phenol-d6	6.54	99	1126111	118.13	ng	0.00
23) Nitrobenzene-d5	7.48	82	831908	95.51	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	297316	129.63	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	1284424	83.00	ng	-0.01
78) Terphenyl-d14	13.01	244	1202278	91.75	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.35	88	1138	0.31	ng	# 16
6) Aniline	6.56	93	322	0.02	ng	# 1
8) 2-Chlorophenol	6.70	128	550	0.06	ng	# 74
9) Benzaldehyde	6.68	77	21287	4.16	ng	93
10) Phenol	6.56	94	22468	2.05	ng	78
11) bis(2-Chloroethyl)ether	6.68	93	1123	0.14	ng	# 1
15) Benzyl Alcohol	7.07	79	12743	1.82	ng	# 49
17) 2-Methylphenol	7.05	107	249	0.04	ng	# 64
19) n-Nitroso-di-n-propylamine	7.47	70	109364	18.74	ng	# 74
24) Nitrobenzene	7.48	77	2249	0.25	ng	# 41
25) Isophorone	7.48	82	769334	45.02	ng	# 69
27) 2,4-Dimethylphenol	7.87	122	320	0.04	ng	# 3
31) Naphthalene	8.22	128	769	0.03	ng	# 69
32) Benzoic acid	7.87	122	320	0.06	ng	91
45) 1,1'-Biphenyl	9.28	154	2549	0.13	ng	# 1
47) 2-Nitroaniline	9.66	65	2819	0.68	ng	# 1
48) Acenaphthylene	9.81	152	237	0.01	ng	# 60
49) Dimethylphthalate	9.66	163	307883	17.55	ng	99
50) 2,6-Dinitrotoluene	9.66	165	3588	0.96	ng	# 17
51) Acenaphthene	9.95	154	608	0.04	ng	# 4
54) Dibenzofuran	10.16	168	238	0.01	ng	# 47
56) 2,4-Dinitrotoluene	9.95	165	29597	6.08	ng	# 12
57) Fluorene	10.74	166	14479	0.93	ng	# 93
59) Diethylphthalate	10.37	149	1748	0.10	ng	# 87
62) Azobenzene	10.74	77	1610	0.10	ng	# 9
64) 4,6-Dinitro-2-methylphenol	10.74	198	735	0.32	ng	# 1
65) n-Nitrosodiphenylamine	10.74	169	10596	0.77	ng	# 45
66) 4-Bromophenyl-phenylether	10.74	248	21627	4.78	ng	# 1
70) Phenanthrene	11.45	178	983	0.05	ng	# 60
71) Anthracene	11.50	178	235	0.01	ng	# 60
72) Carbazole	11.65	167	245	0.01	ng	# 60
73) Di-n-butylphthalate	12.00	149	1755	0.07	ng	# 78
74) Fluoranthene	12.64	202	1537	0.07	ng	64
77) Pyrene	12.87	202	1422	0.06	ng	96

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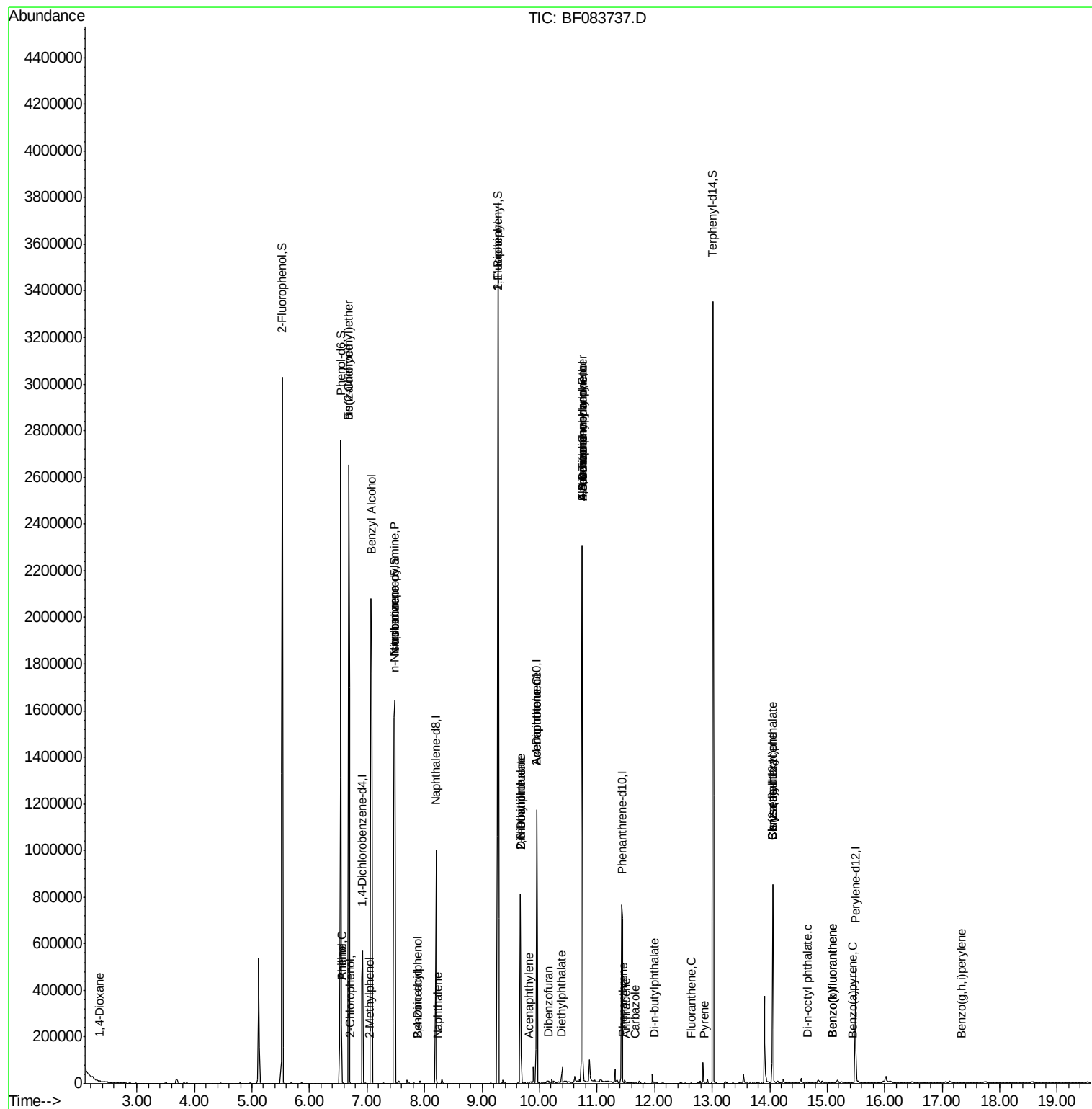
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Benzo(a)anthracene	14.05	228	2309	0.14	nq	# 51
82) Chrysene	14.05	228	2309	0.15	nq	# 49
83) Bis(2-ethylhexyl)phthalate	14.05	149	3939	0.36	nq	# 90
84) Di-n-octyl phthalate	14.66	149	437	0.03	nq	# 100
87) Benzo(b)fluoranthene	15.08	252	1376	0.10	nq	# 59
88) Benzo(k)fluoranthene	15.08	252	1376	0.11	nq	# 57
89) Benzo(a)pyrene	15.44	252	596	0.05	nq	# 59
91) Benzo(a,h,i)perylene	17.33	276	259	0.02	nq	# 51

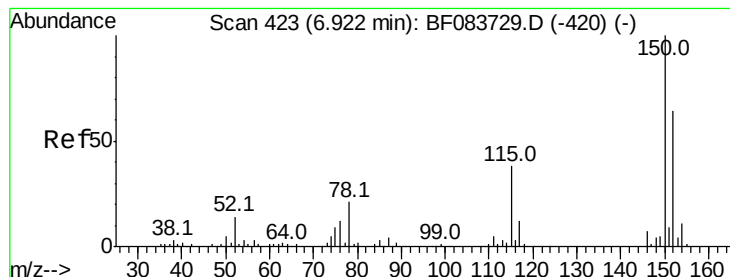
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

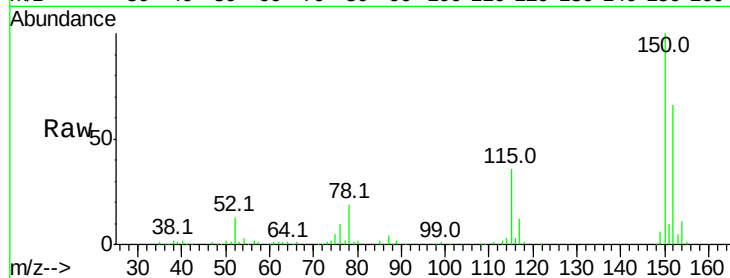
Tot Ion:152 Resp: 121444

Ion Ratio Lower Upper

152 100

150 151.7 126.5 189.7

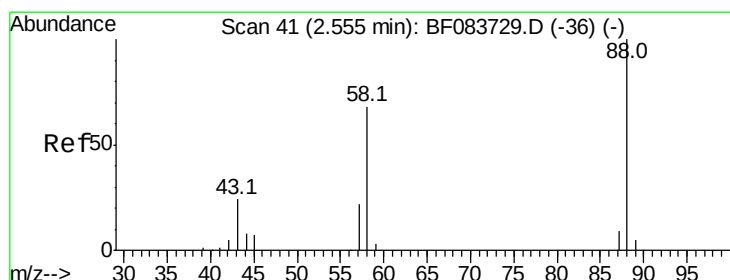
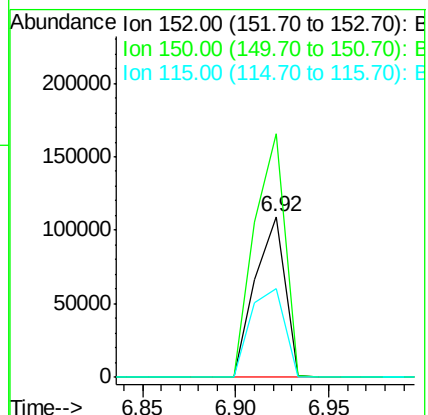
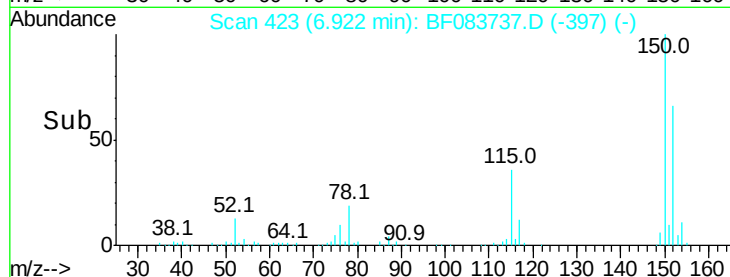
115 55.1 52.3 78.5



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: 0.31 ng

RT: 2.35 min Scan# 23

Delta R.T. -0.22 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

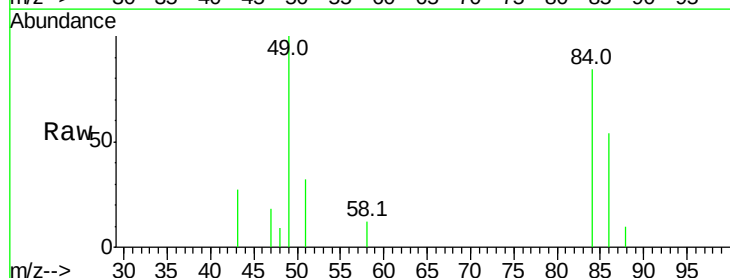
Tgt Ion: 88 Resp: 1138

Ion Ratio Lower Upper

88 100

58 0.0 68.0 102.0#

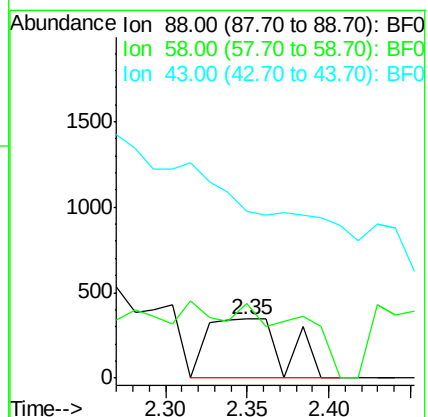
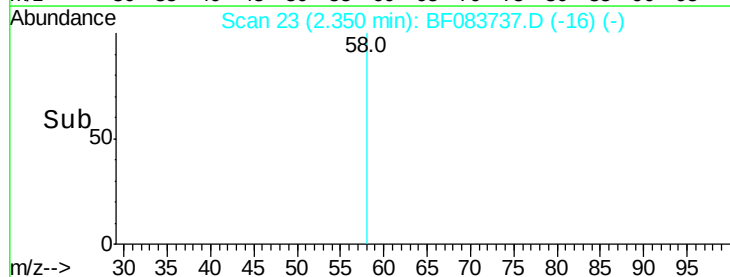
43 0.0 27.9 41.9#

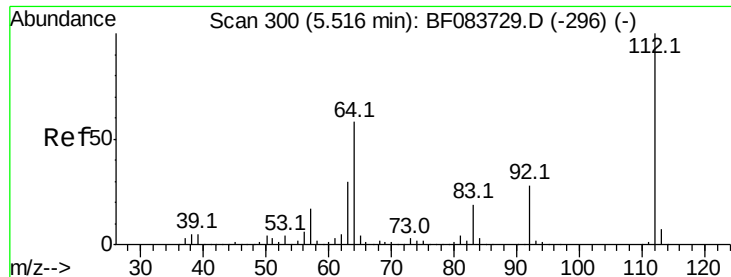


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 122.46 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

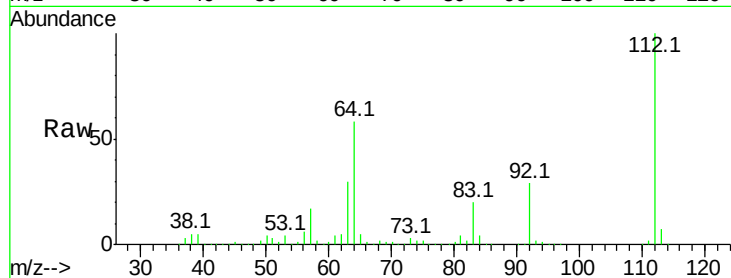
Tot Ion:112 Resp: 921850

Ion Ratio Lower Upper

112 100

64 57.9 50.5 75.7

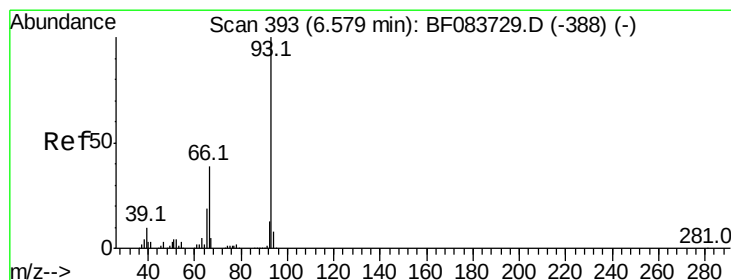
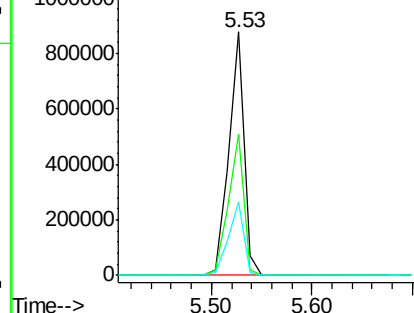
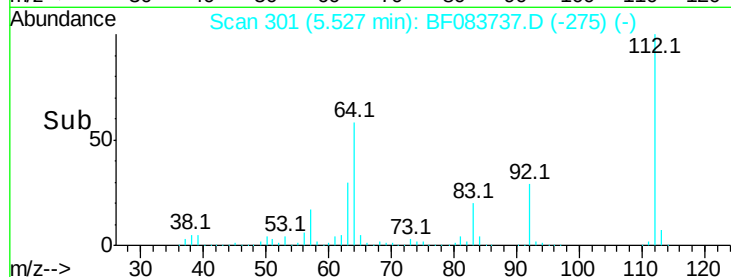
63 30.2 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.02 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.02 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

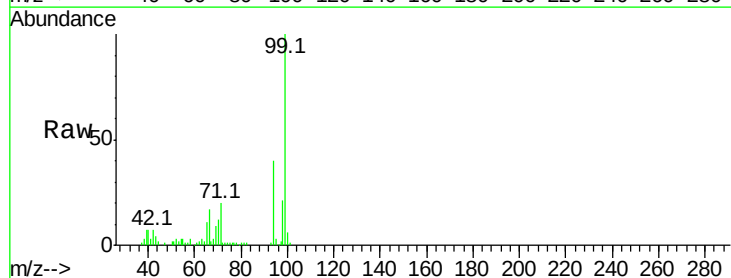
Tgt Ion: 93 Resp: 322

Ion Ratio Lower Upper

93 100

66 2905.1 41.3 61.9#

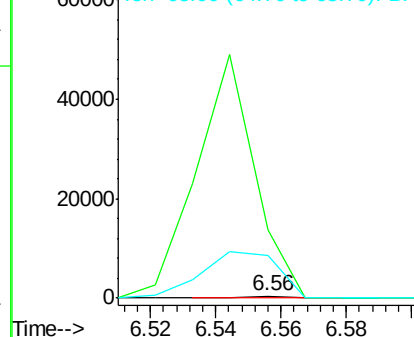
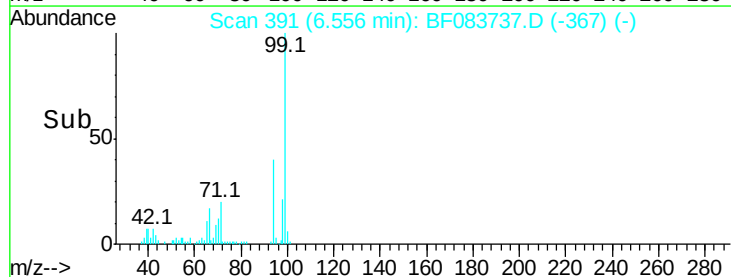
65 1856.1 20.8 31.2#

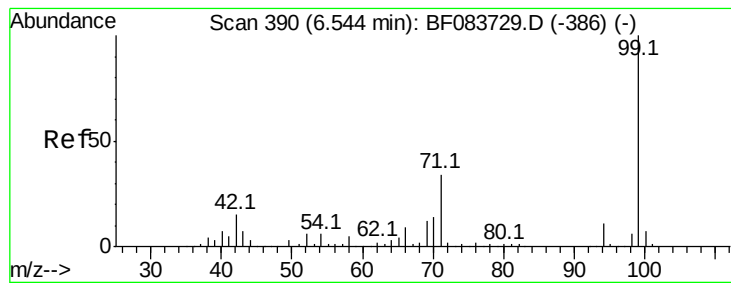


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 118.13 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

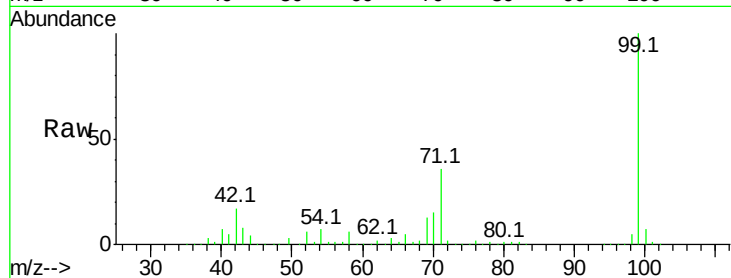
Instrument :

BNA_F

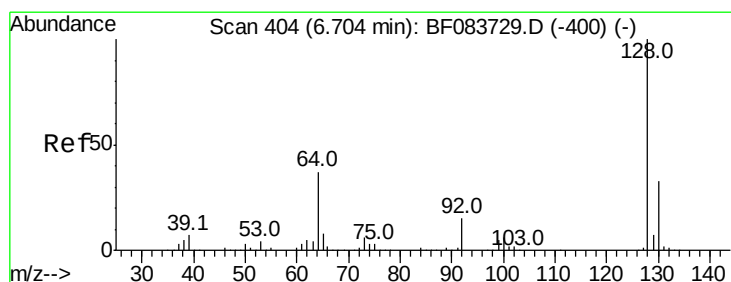
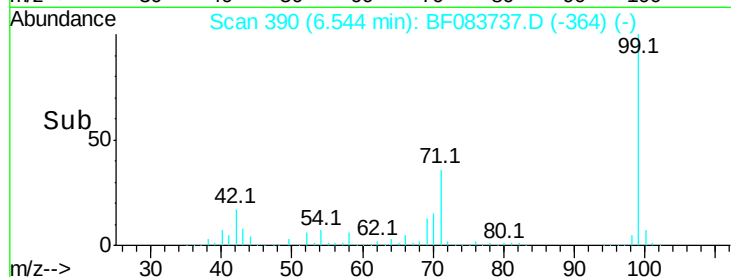
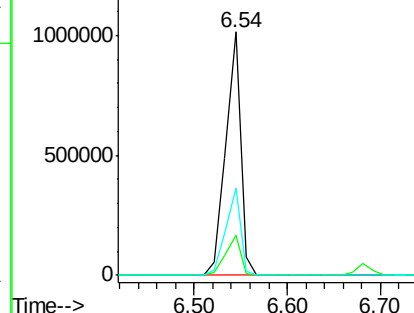
ClientSampleId :

Tot Ion: 99 Resp: 1126111

Ion	Ratio	Lower	Upper
99	100		
42	16.5	17.3	25.9#
71	36.0	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: 0.06 ng

RT: 6.70 min Scan# 404

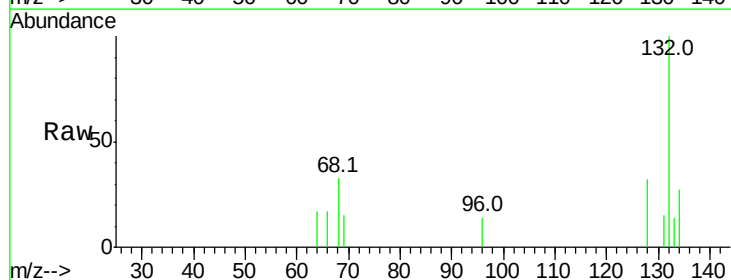
Delta R.T. 0.00 min

Lab File: BF083737.D

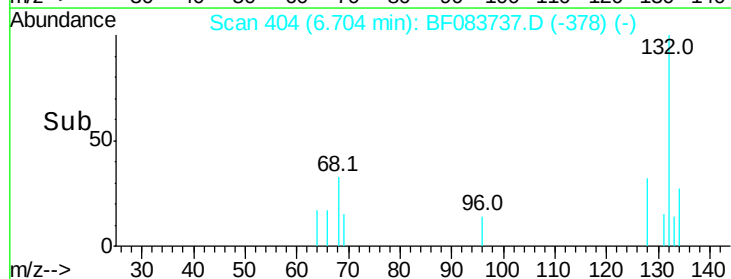
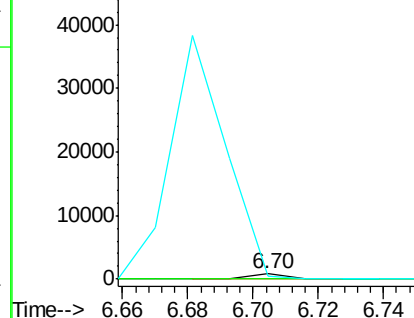
Acq: 13 Dec 2015 18:56

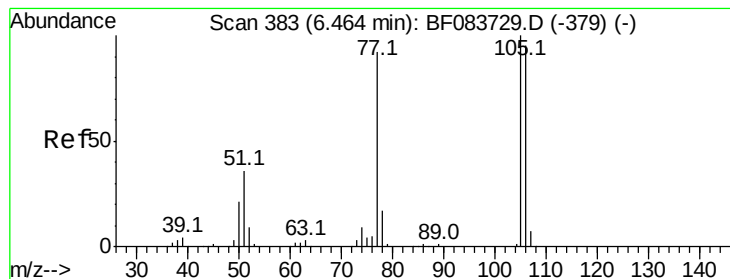
Tgt Ion: 128 Resp: 550

Ion	Ratio	Lower	Upper
128	100		
130	0.0	12.6	52.6#
64	52.5	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: 4.16 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.22 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

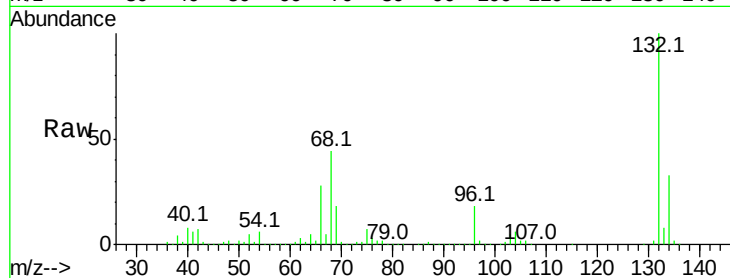
Tot Ion: 77 Resp: 21287

Ion Ratio Lower Upper

77 100

105 82.8 71.8 111.8

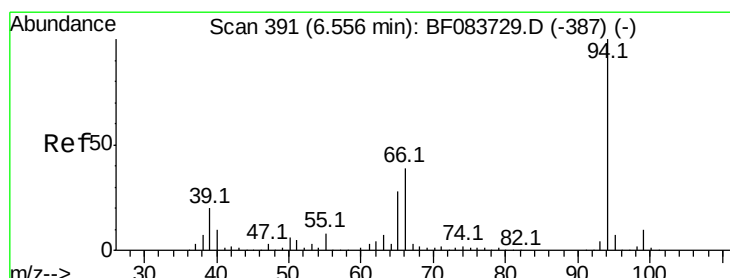
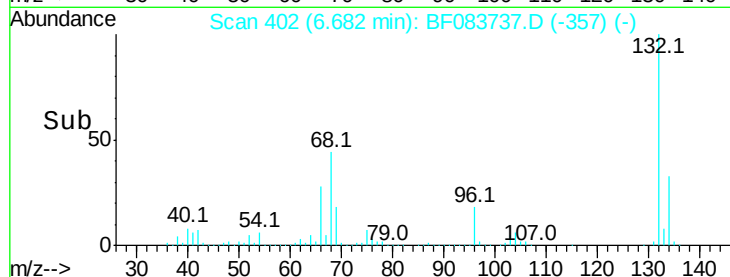
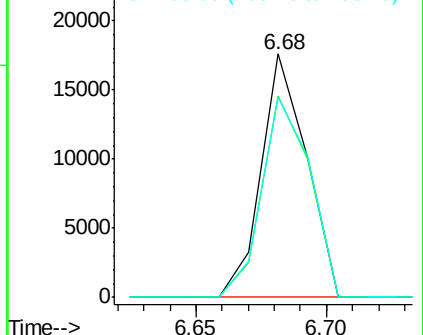
106 82.2 66.8 106.8



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: 2.05 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

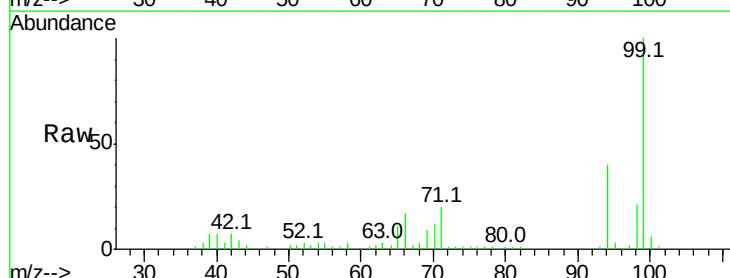
Tgt Ion: 94 Resp: 22468

Ion Ratio Lower Upper

94 100

65 28.0 20.9 60.9

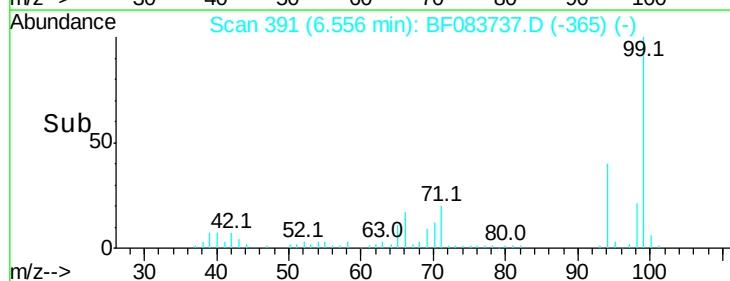
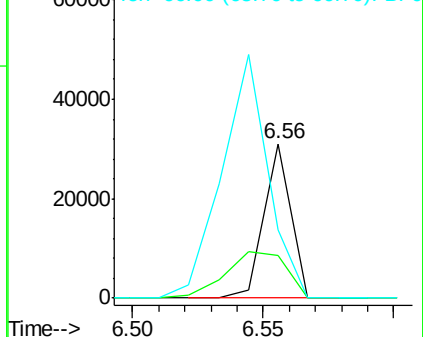
66 43.9 41.6 81.6

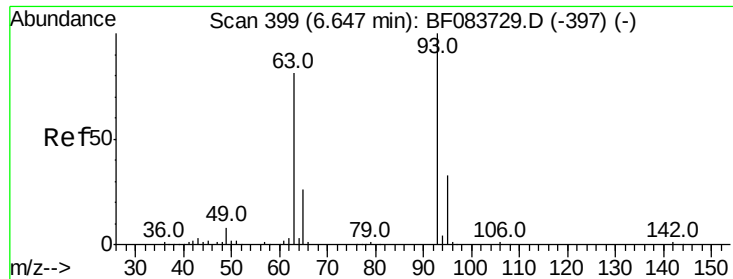


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 0.14 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.02 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

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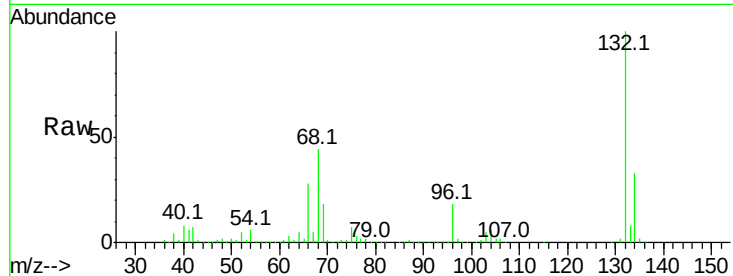
Tot Ion: 93 Resp: 1123

Ion Ratio Lower Upper

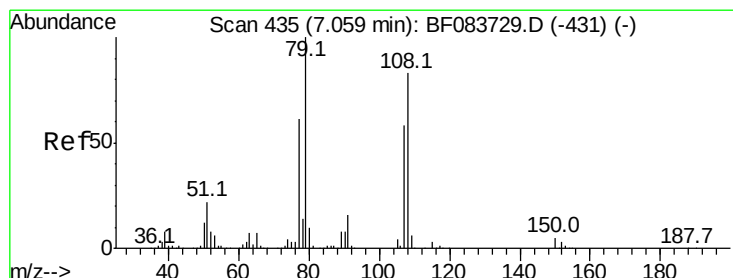
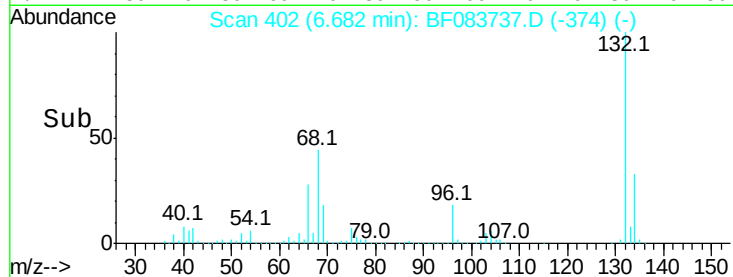
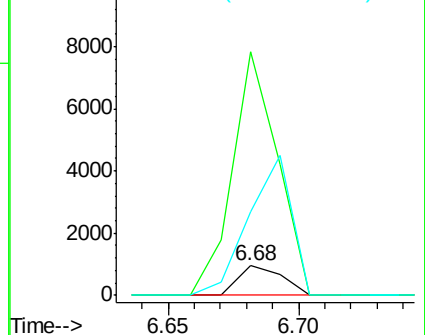
93 100

63 818.7 64.7 104.7#

95 281.8 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: 1.82 ng

RT: 7.07 min Scan# 436

Delta R.T. 0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

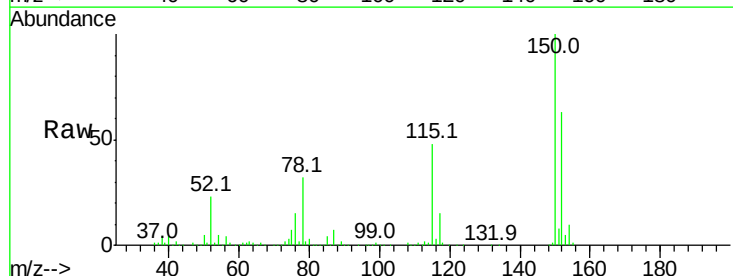
Tgt Ion: 79 Resp: 12743

Ion Ratio Lower Upper

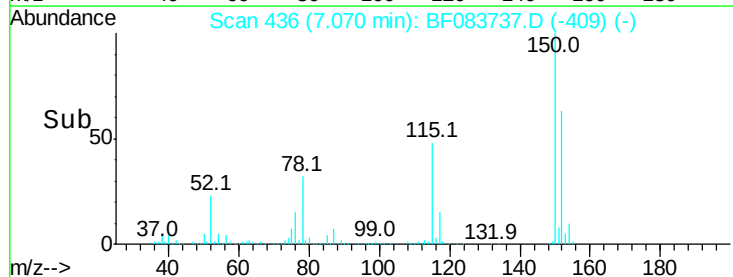
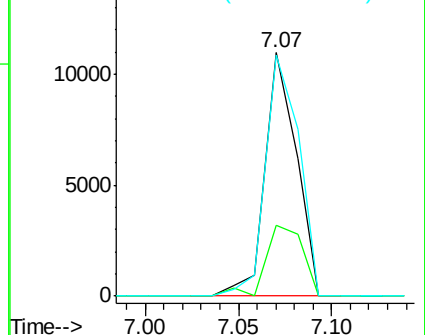
79 100

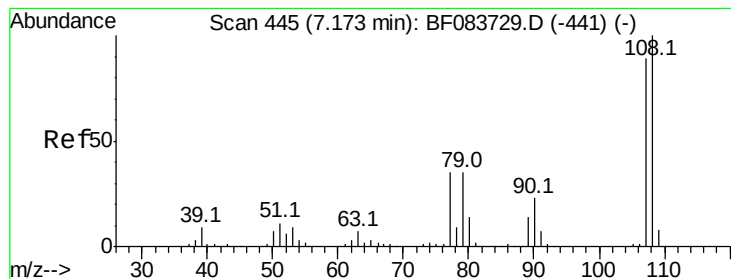
108 29.2 59.6 89.4#

77 98.9 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

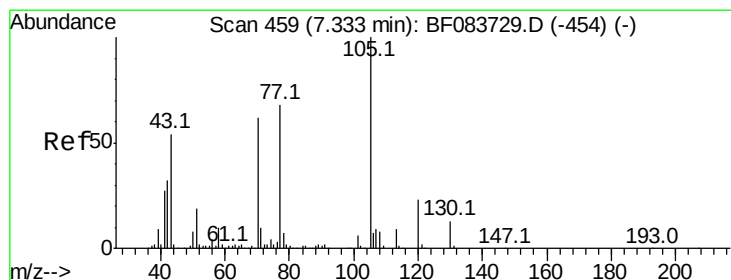
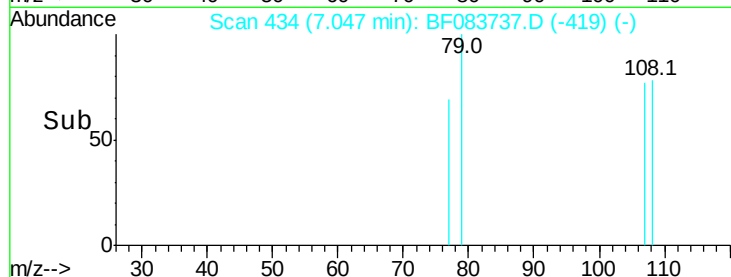
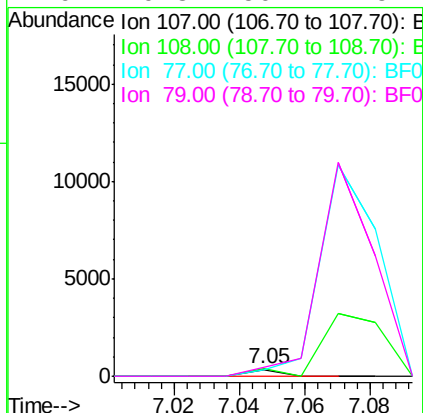
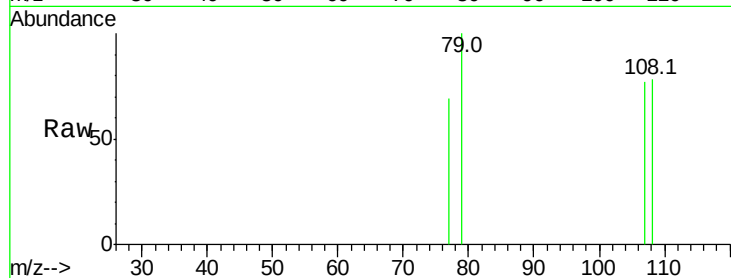




#17
2-Methylphenol
Concen: 0.04 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.13 min
Lab File: BF083737.D
Acq: 13 Dec 2015 18:56

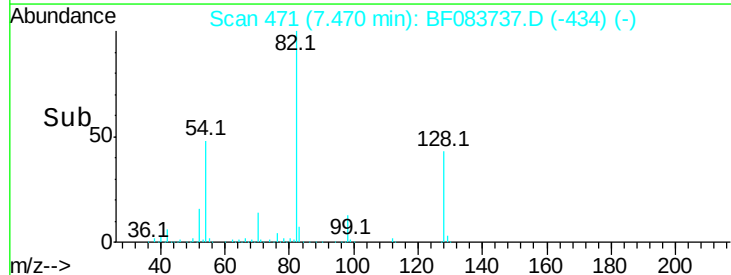
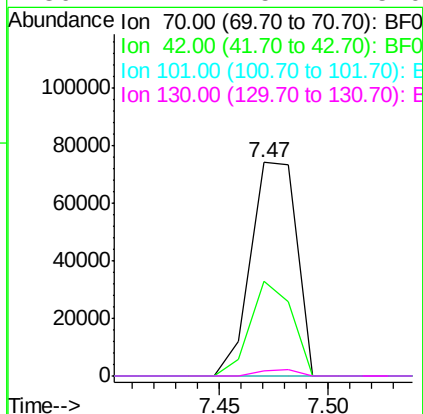
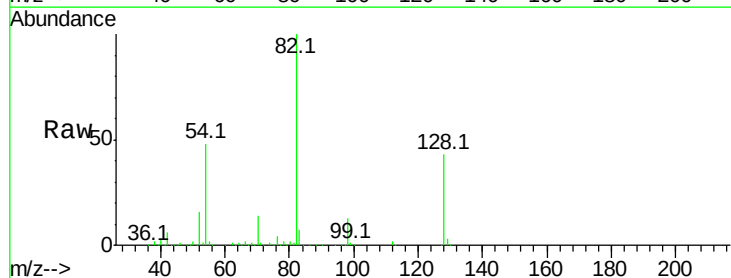
Instrument :
BNA_F
ClientSampleId :

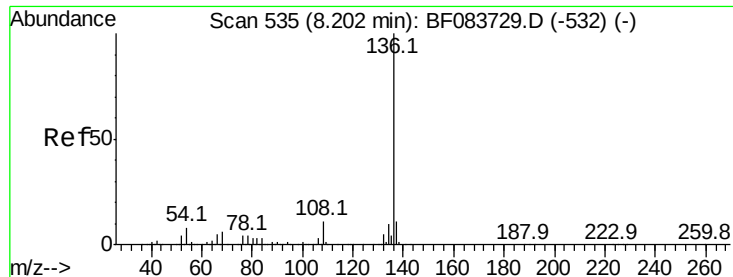
Tot Ion:107 Resp: 249
Ion Ratio Lower Upper
107 100
108 100.8 91.6 137.4
77 89.8 53.7 80.5#
79 129.8 50.2 75.4#



#19
n-Nitroso-di-n-propylamine
Concen: 18.74 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.13 min
Lab File: BF083737.D
Acq: 13 Dec 2015 18:56

Tgt Ion: 70 Resp: 109364
Ion Ratio Lower Upper
70 100
42 44.4 49.2 73.8#
101 0.0 7.1 10.7#
130 2.2 15.4 23.0#

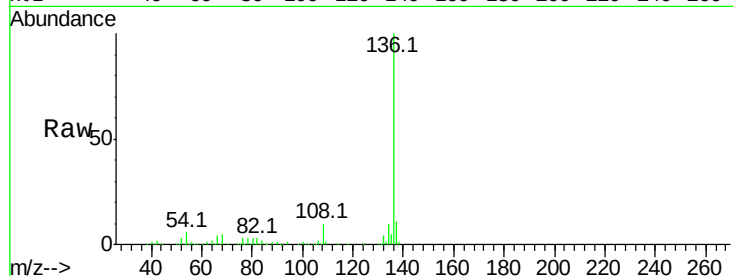




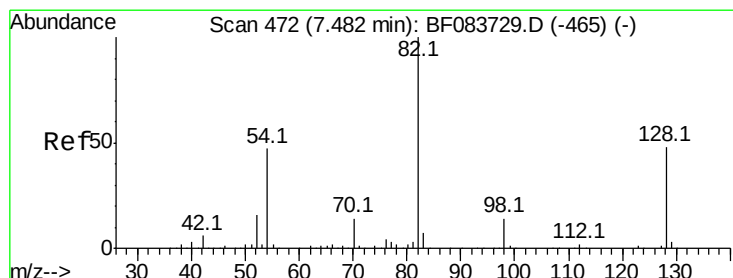
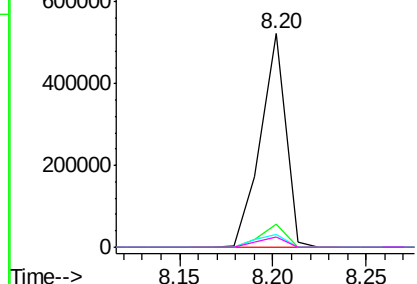
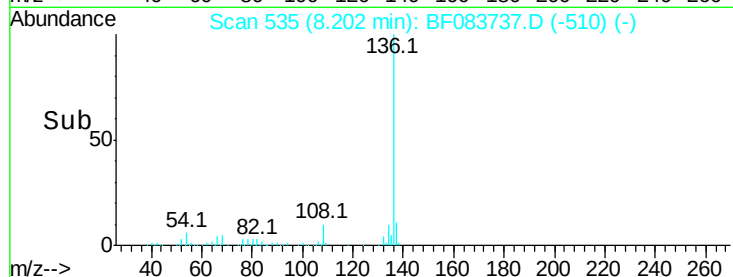
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF083737.D
Acq: 13 Dec 2015 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 487295
Ion Ratio	Lower Upper
136 100	
137 10.8	8.7 13.1
54 6.0	7.8 11.6#
68 5.0	5.7 8.5#

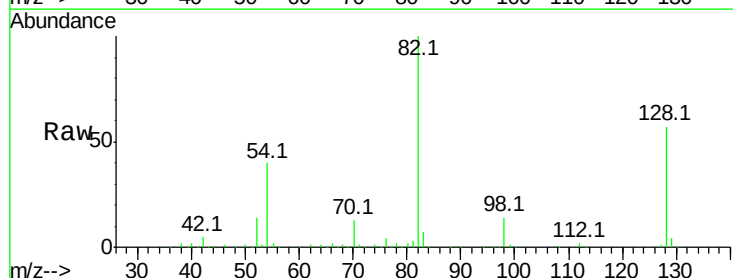


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

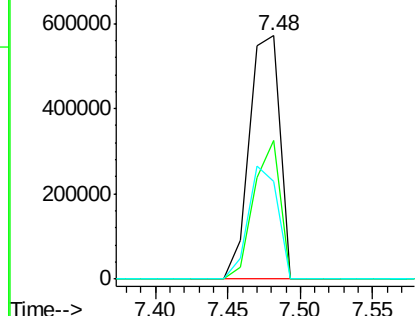
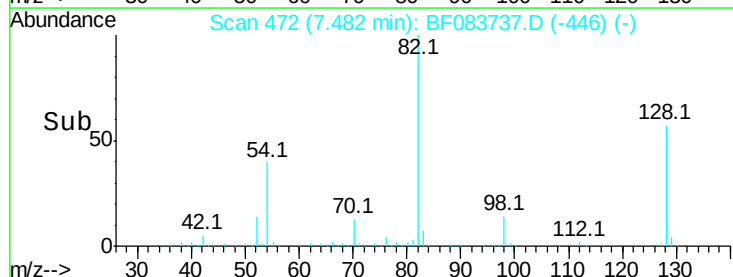


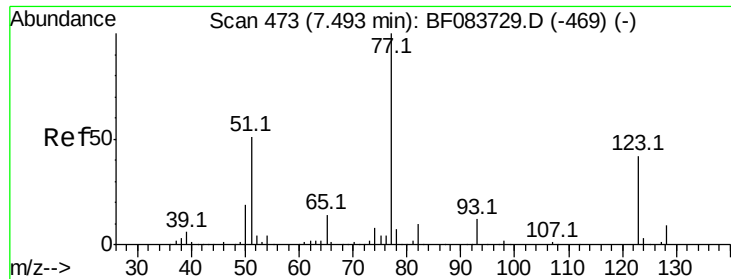
#23
Nitrobenzene-d5
Concen: 95.51 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF083737.D
Acq: 13 Dec 2015 18:56

Tgt Ion: 82	Resp: 831908
Ion Ratio	Lower Upper
82 100	
128 57.2	30.7 46.1#
54 40.4	42.5 63.7#



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





#24

Nitrobenzene

Concen: 0.25 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

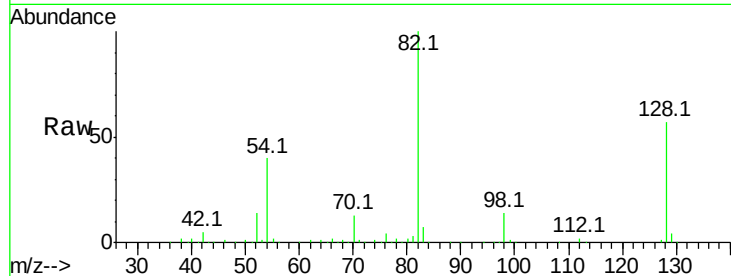
Tot Ion: 77 Resp: 2249

Ion Ratio Lower Upper

77 100

123 0.0 29.8 44.6#

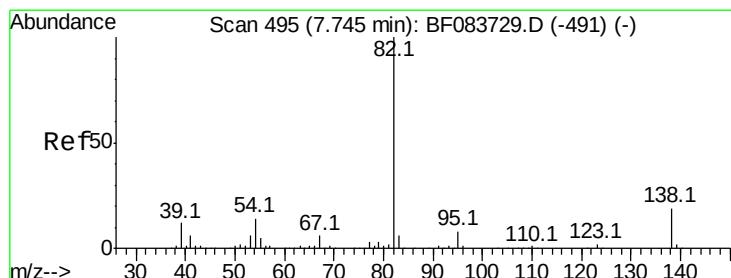
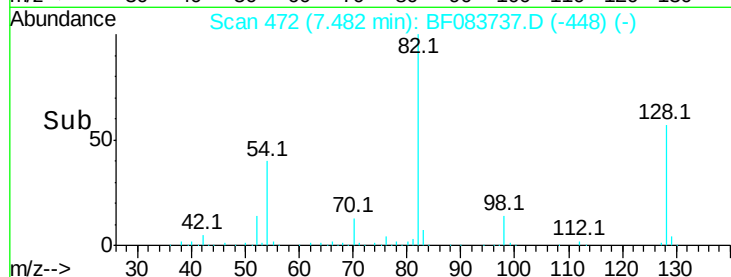
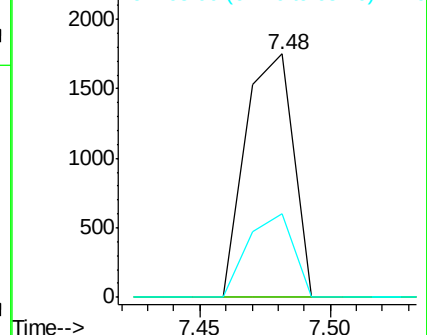
65 34.1 11.1 16.7#



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: 45.02 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.26 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

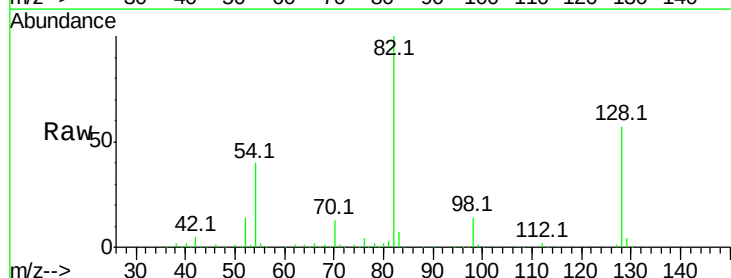
Tgt Ion: 82 Resp: 769334

Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

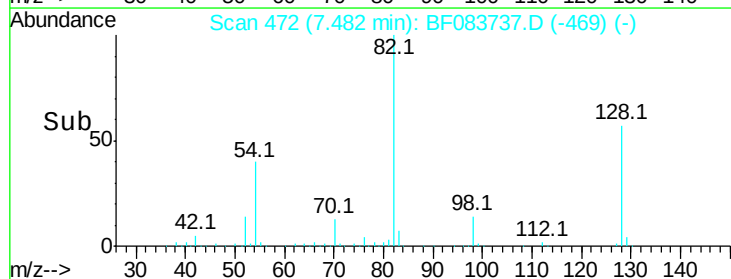
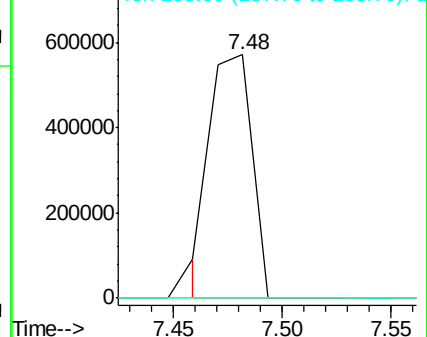
138 0.0 12.1 18.1#

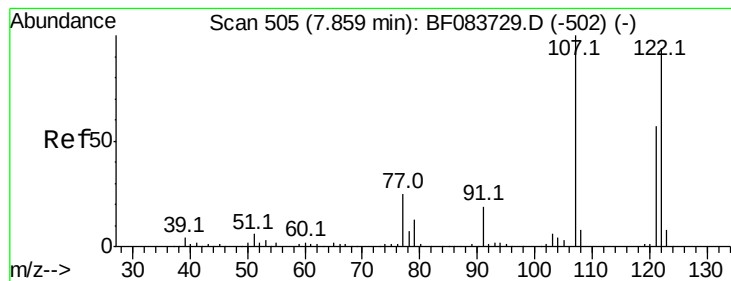


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#27

2,4-Dimethylphenol

Concen: 0.04 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

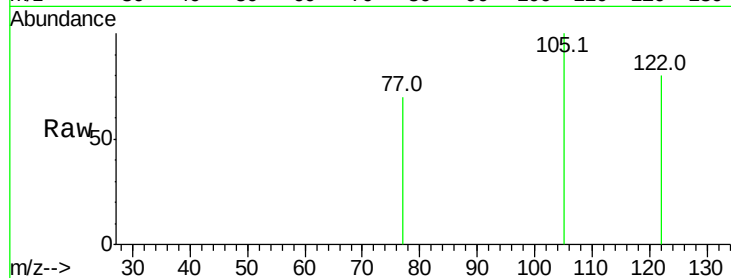
Tot Ion:122 Resp: 320

Ion Ratio Lower Upper

122 100

107 0.0 92.4 138.6#

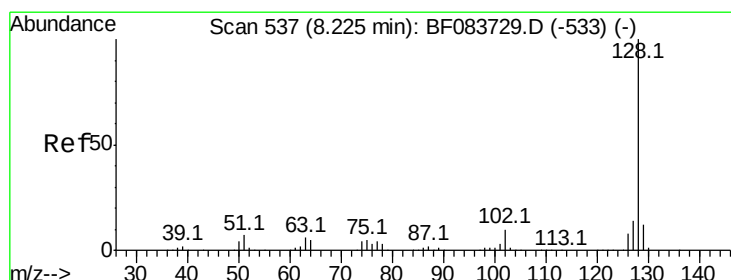
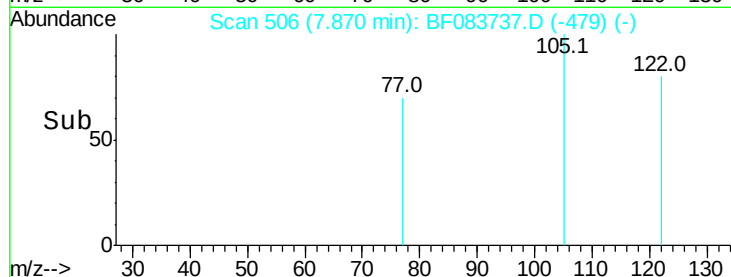
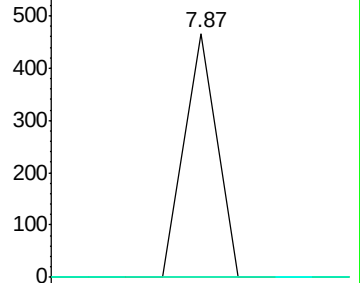
121 0.0 45.8 68.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 0.03 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

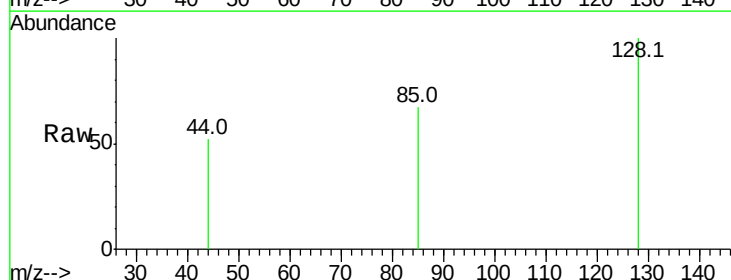
Tgt Ion:128 Resp: 769

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

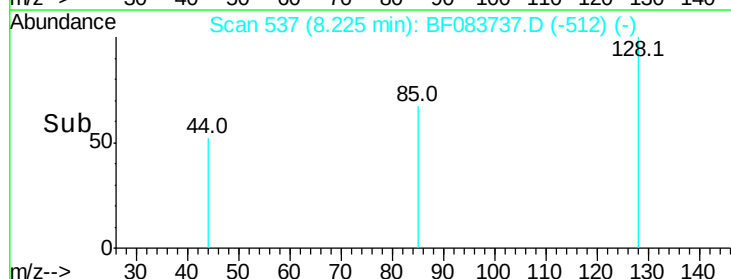
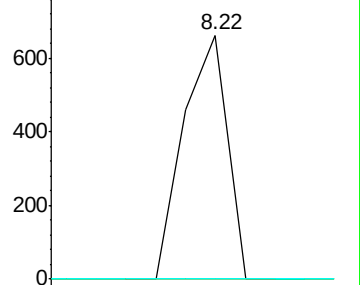
127 0.0 10.6 16.0#

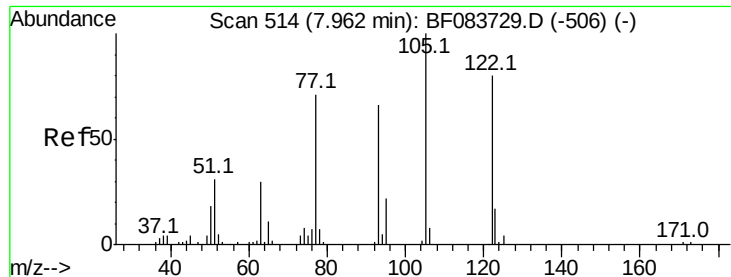


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 0.06 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.09 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

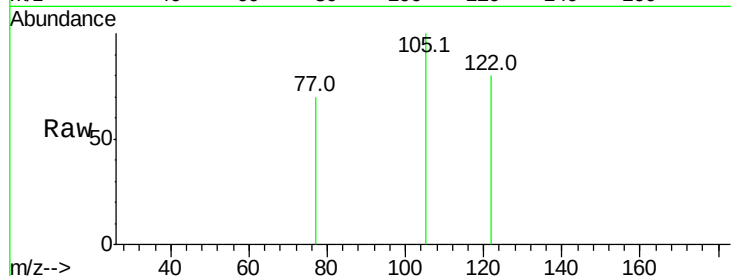
Tot Ion:122 Resp: 320

Ion Ratio Lower Upper

122 100

105 125.3 105.6 145.6

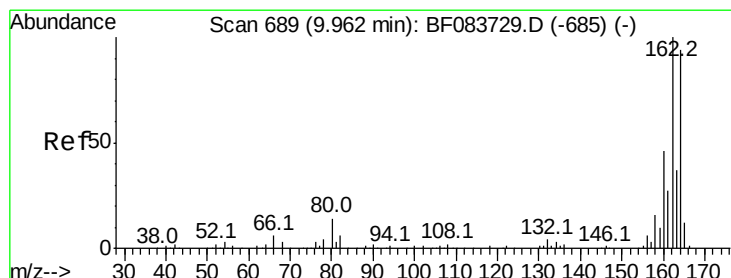
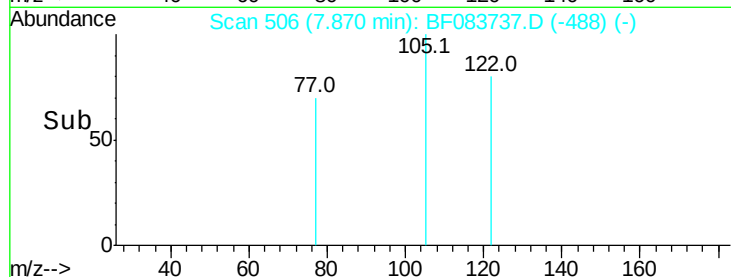
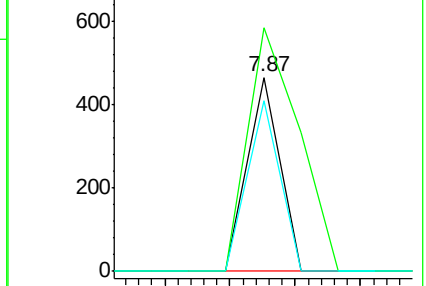
77 87.6 86.8 126.8



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: BF083737.D

Acq: 13 Dec 2015 18:56

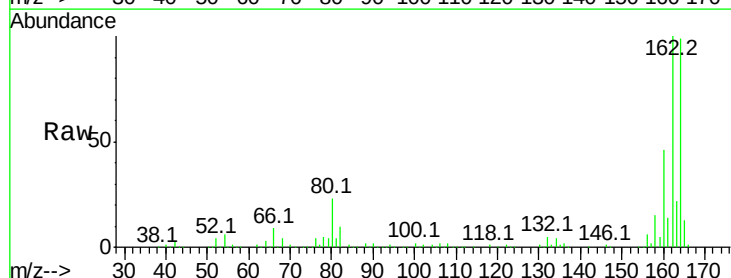
Tgt Ion:164 Resp: 225085

Ion Ratio Lower Upper

164 100

162 101.4 78.8 118.2

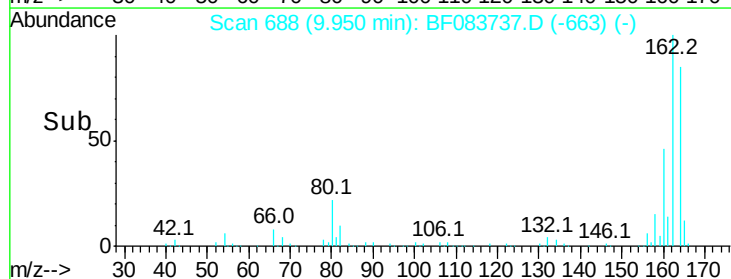
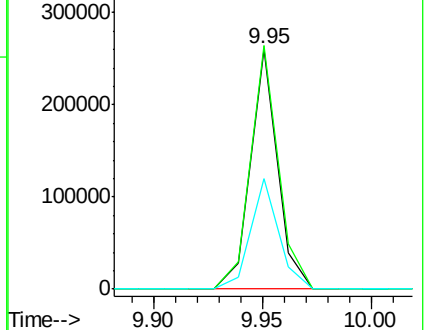
160 46.1 33.4 50.2

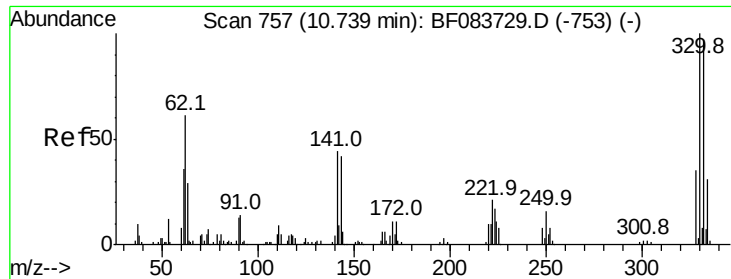


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

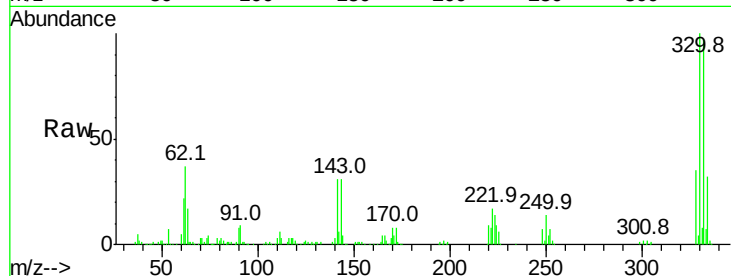




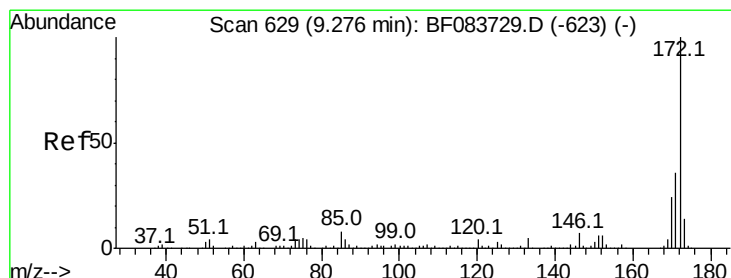
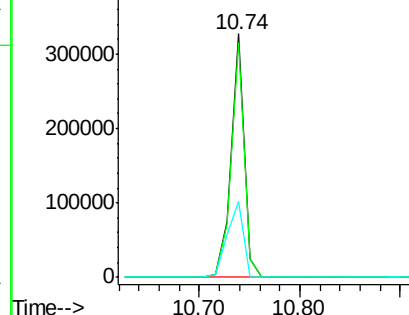
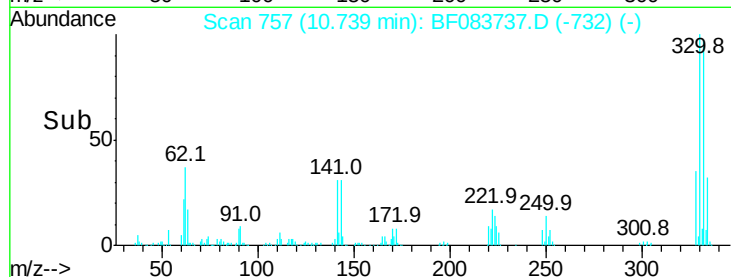
#41
 2,4,6-Tribromophenol
 Concen: 129.63 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF083737.D
 Acq: 13 Dec 2015 18:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	38.4	0.0	0.0#

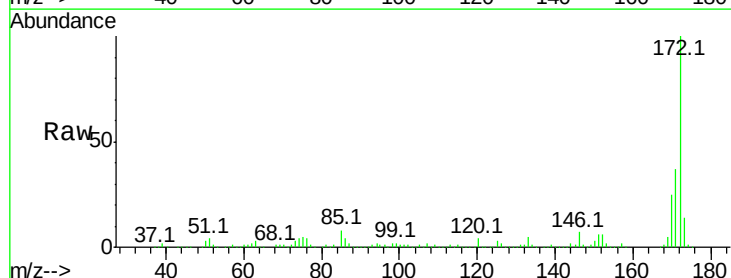


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

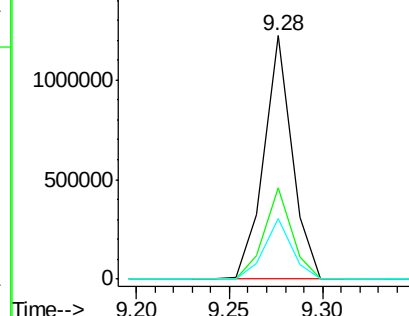
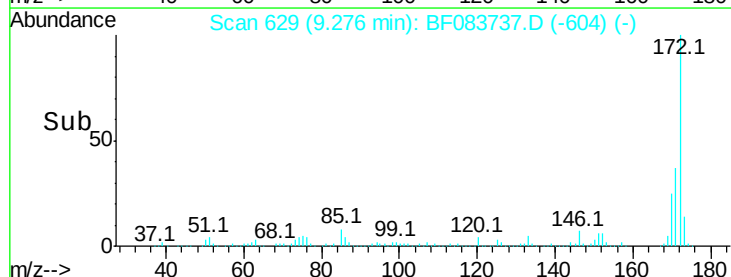


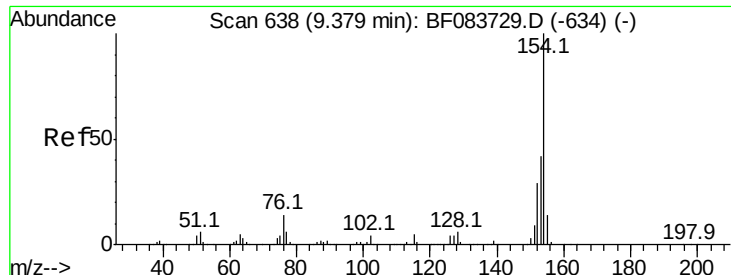
#44
 2-Fluorobiphenyl
 Concen: 83.00 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF083737.D
 Acq: 13 Dec 2015 18:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.6	42.8
170	24.7	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: 0.13 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.11 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

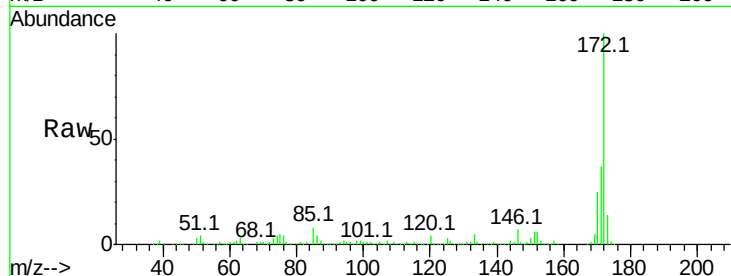
Tot Ion:154 Resp: 2549

Ion Ratio Lower Upper

154 100

153 910.5 20.2 60.2#

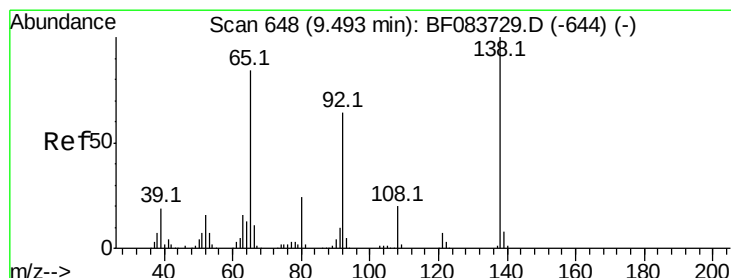
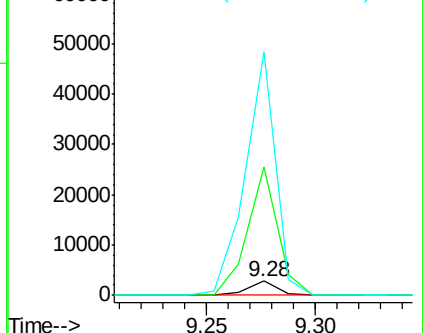
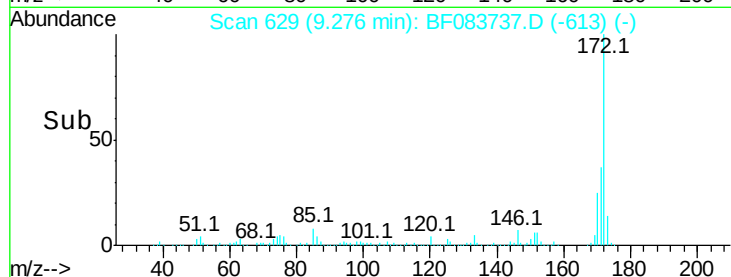
76 1726.7 0.0 34.8#



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: 0.68 ng

RT: 9.66 min Scan# 663

Delta R.T. 0.17 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

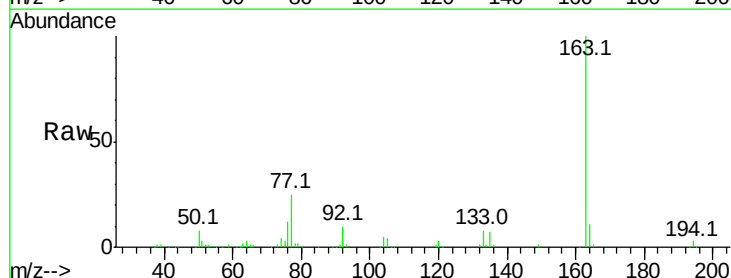
Tgt Ion: 65 Resp: 2819

Ion Ratio Lower Upper

65 100

92 993.3 49.6 74.4#

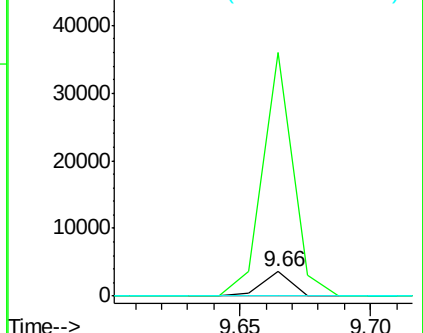
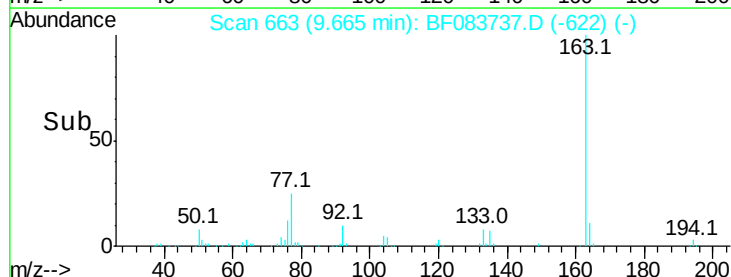
138 0.0 64.1 96.1#

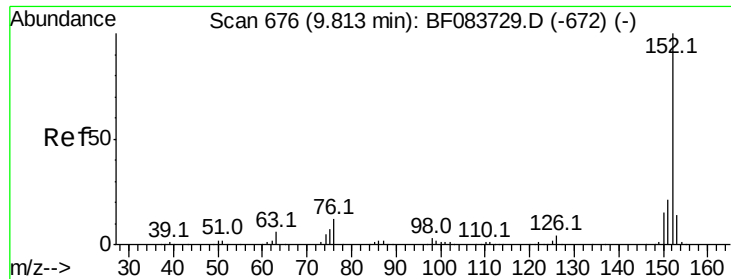


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.01 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

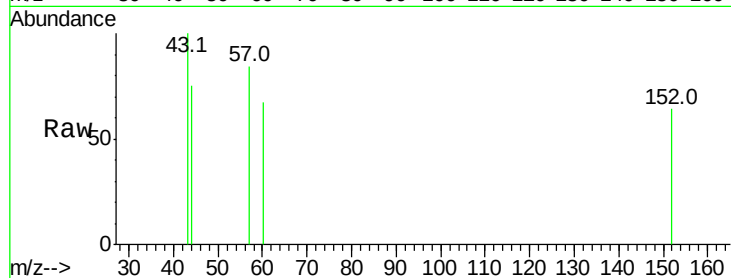
Tot Ion:152 Resp: 237

Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#

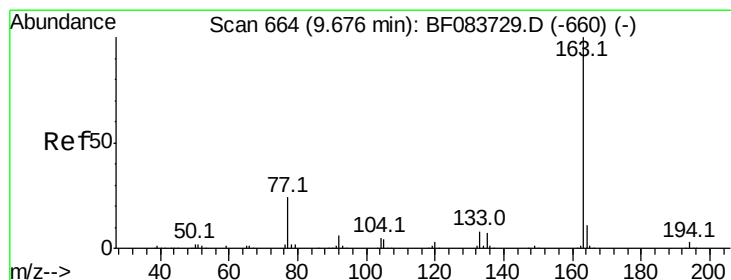
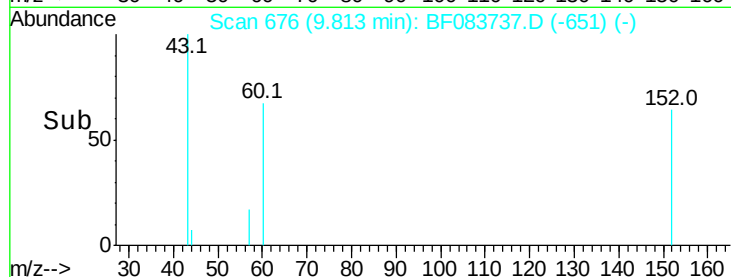
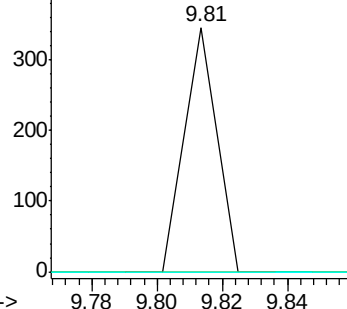
153 0.0 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 17.55 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

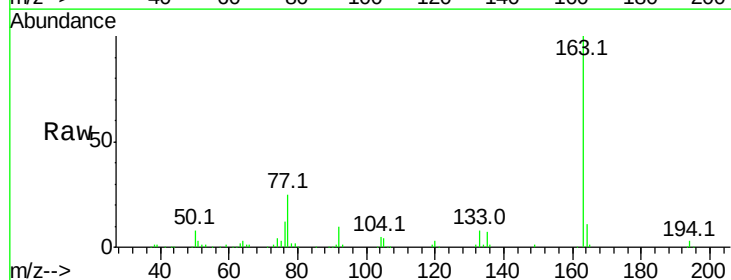
Tgt Ion:163 Resp: 307883

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

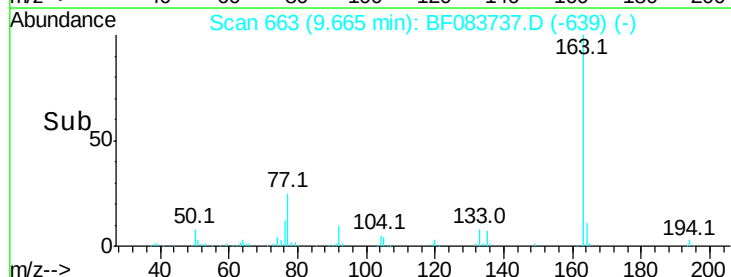
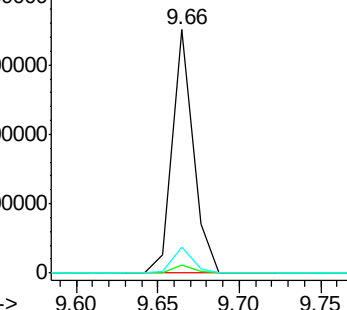
164 10.5 8.6 13.0

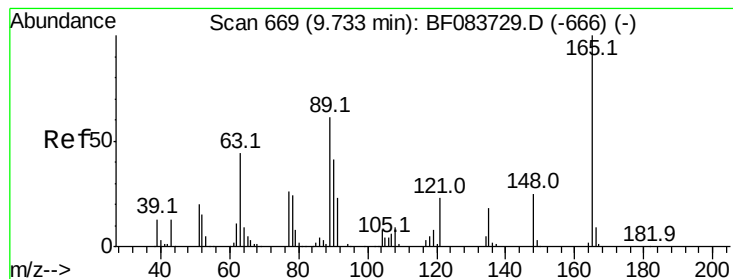


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 0.96 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.08 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

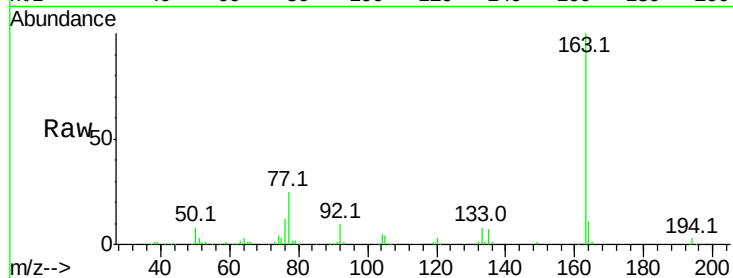
Tot Ion:165 Resp: 3588

Ion Ratio Lower Upper

165 100

63 153.9 56.9 85.3#

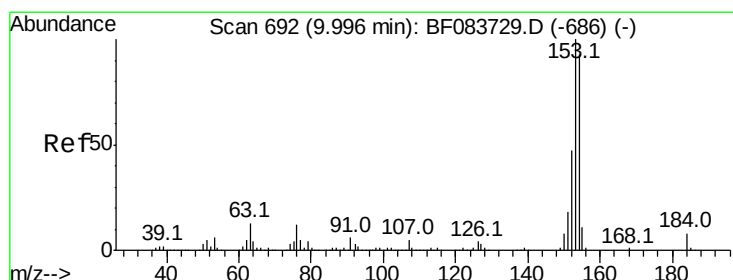
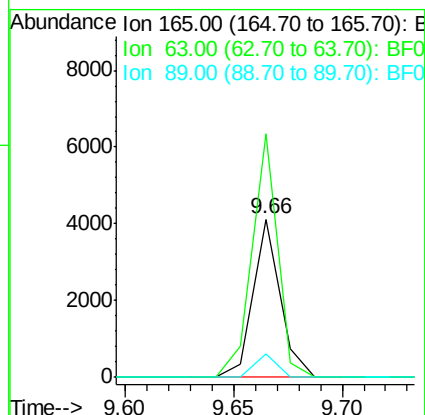
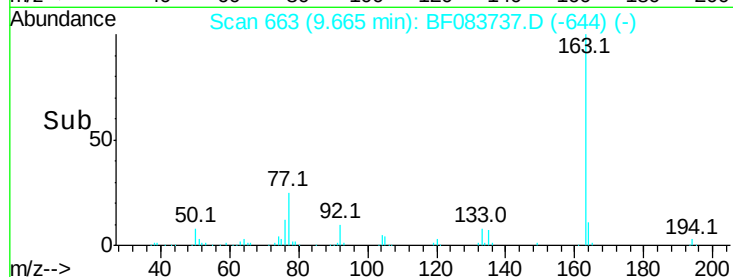
89 15.0 52.1 78.1#



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: 0.04 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.05 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

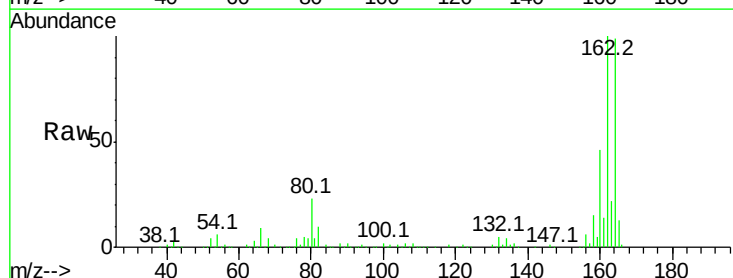
Tgt Ion:154 Resp: 608

Ion Ratio Lower Upper

154 100

153 0.0 91.4 137.0#

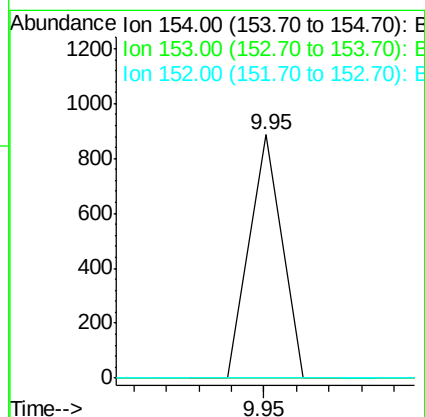
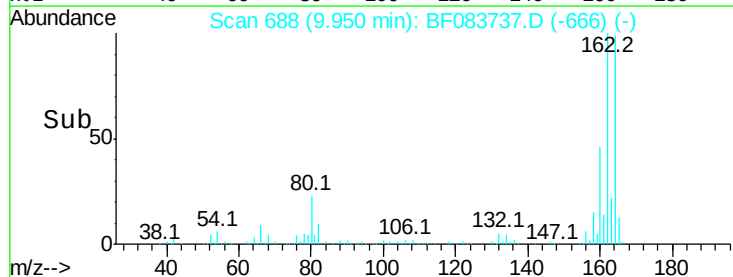
152 0.0 43.4 65.2#

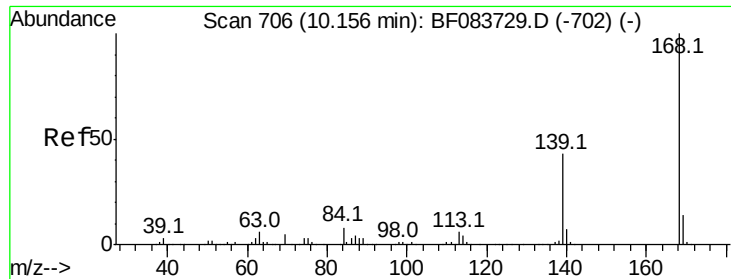


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 0.01 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

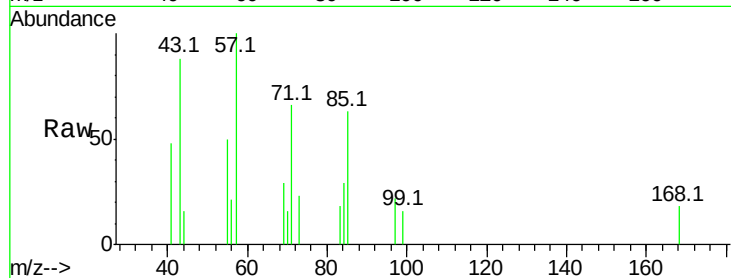
Tot Ion:168 Resp: 238

Ion Ratio Lower Upper

168 100

139 0.0 28.0 42.0#

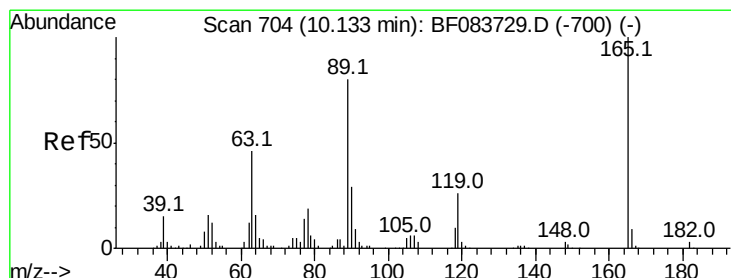
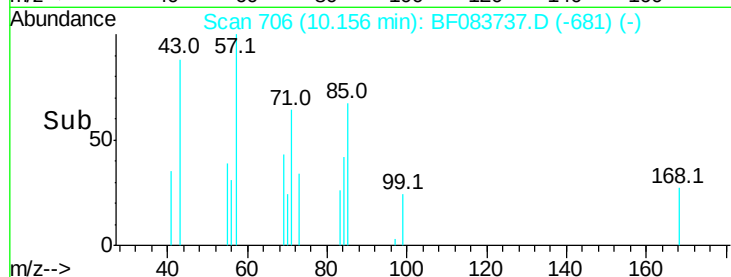
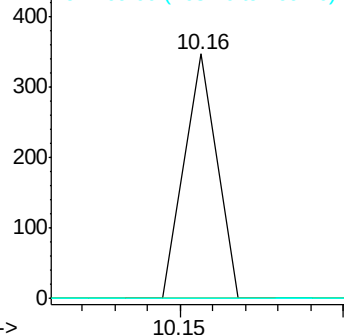
169 0.0 10.8 16.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.08 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.19 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Tgt Ion:165 Resp: 29597

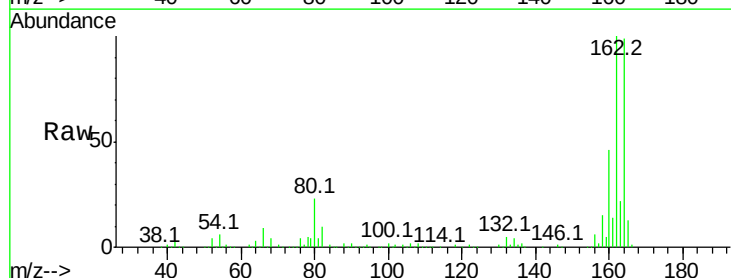
Ion Ratio Lower Upper

165 100

63 1.2 51.4 77.2#

89 1.3 72.6 108.8#

182 0.0 1.4 2.0#

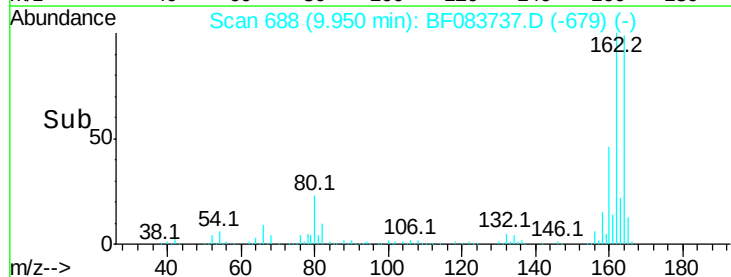
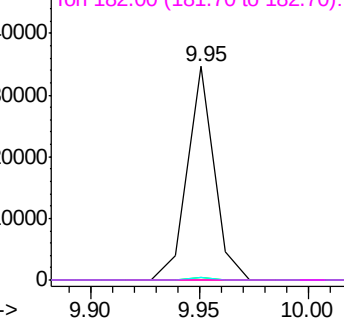


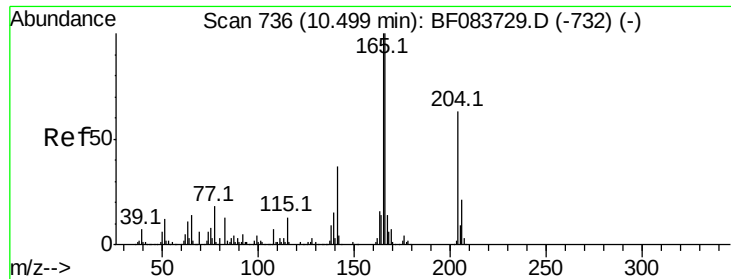
Abundance Ion 165.00 (164.70 to 165.70): E

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

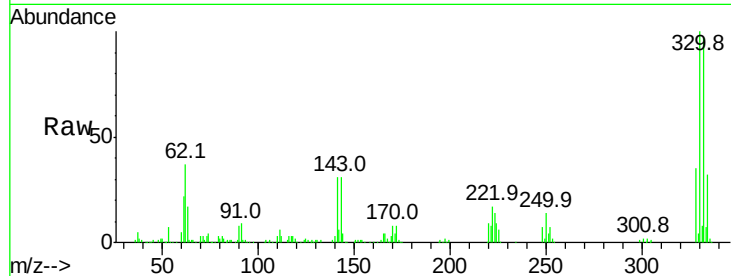




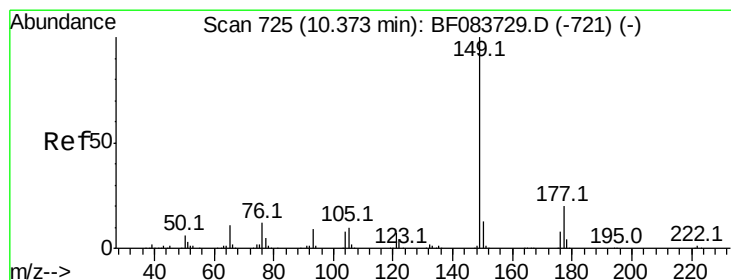
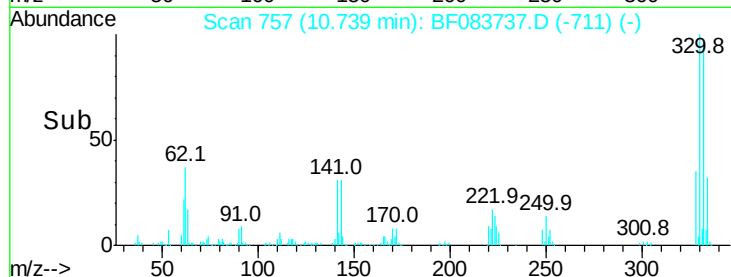
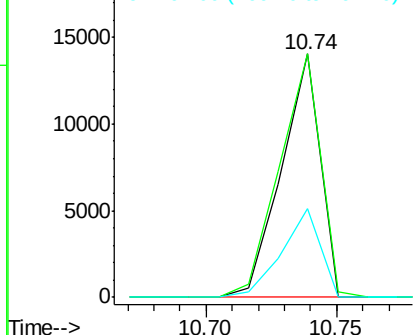
#57
Fluorene
Concen: 0.93 ng
RT: 10.74 min Scan# 757
Delta R.T. 0.23 min
Lab File: BF083737.D
Acq: 13 Dec 2015 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:166 Resp: 14479
Ion Ratio Lower Upper
166 100
165 99.8 80.0 120.0
167 36.4 10.6 16.0#

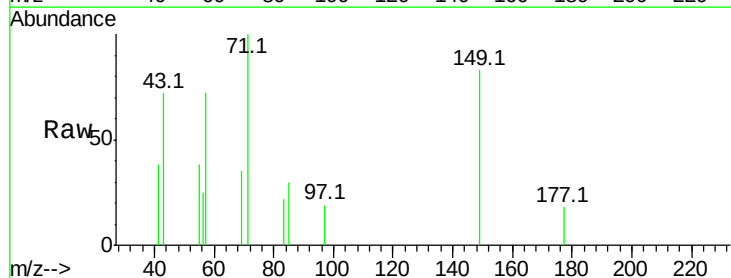


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

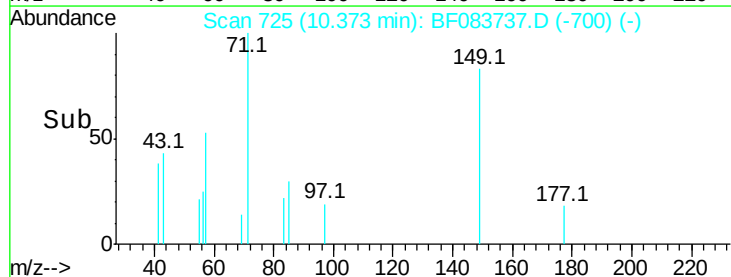
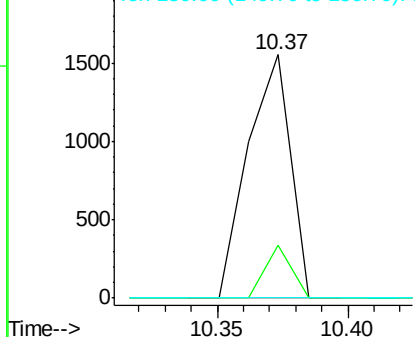


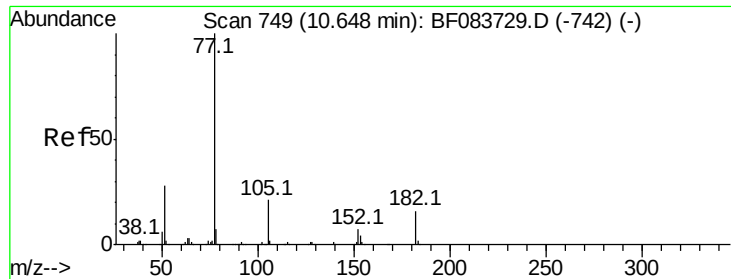
#59
Diethylphthalate
Concen: 0.10 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF083737.D
Acq: 13 Dec 2015 18:56

Tgt Ion:149 Resp: 1748
Ion Ratio Lower Upper
149 100
177 21.6 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: 0.10 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.08 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 1610

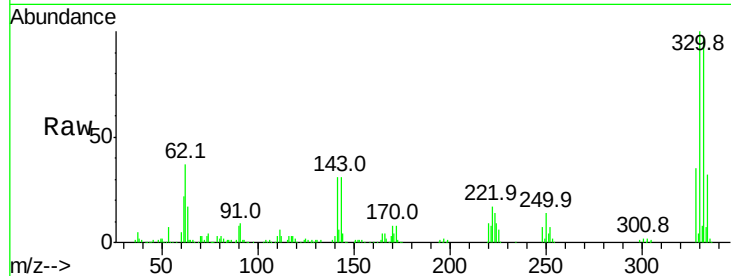
Ion Ratio Lower Upper

77 100

182 0.0 2.5 42.5#

105 96.9 2.1 42.1#

51 69.3 9.3 49.3#



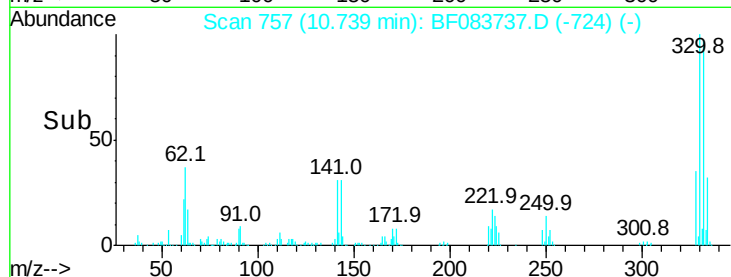
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

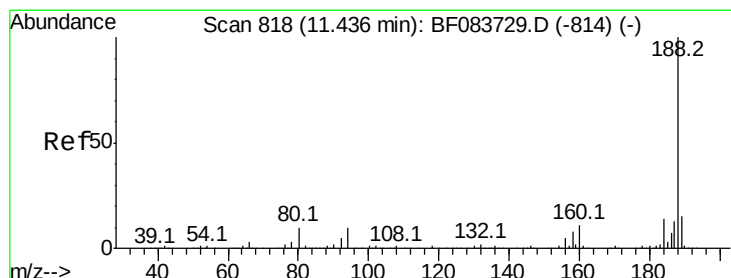
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

Time-->



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

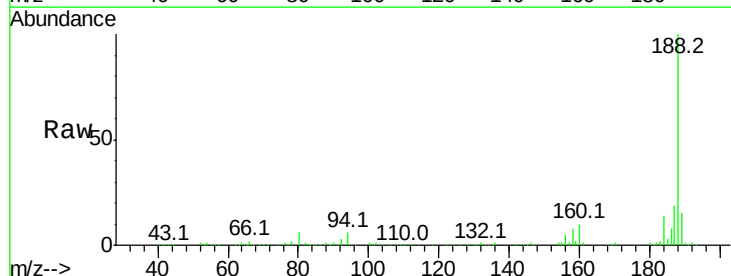
Tgt Ion: 188 Resp: 404693

Ion Ratio Lower Upper

188 100

94 6.3 9.4 14.2#

80 6.4 10.6 16.0#

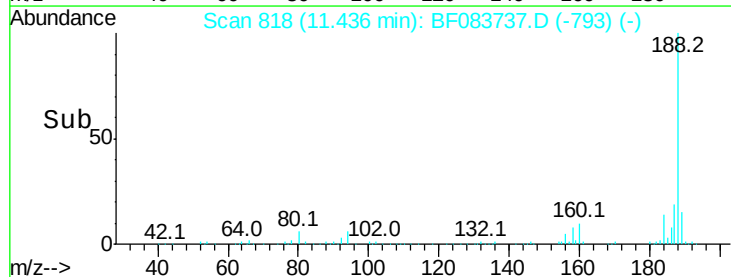


Abundance Ion 188.00 (187.70 to 188.70): E

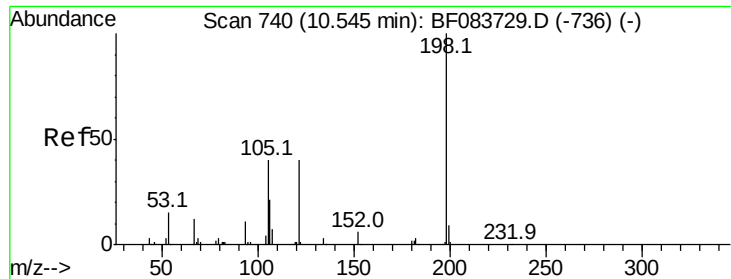
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 0.32 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.20 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampled :

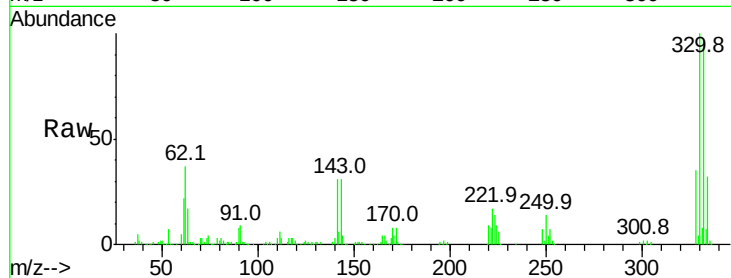
Tot Ion:198 Resp: 735

Ion Ratio Lower Upper

198 100

51 127.0 53.8 93.8#

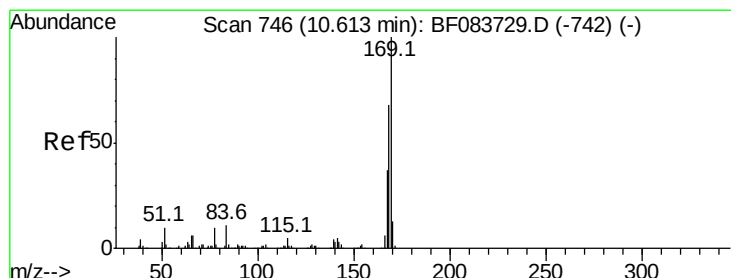
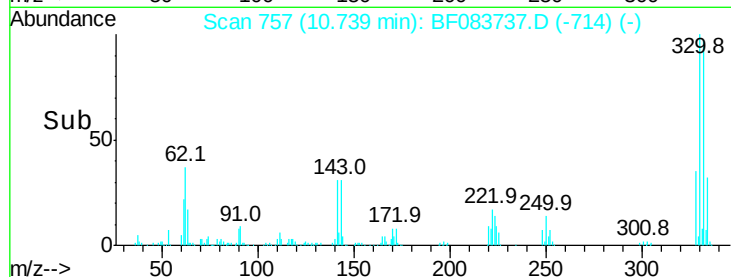
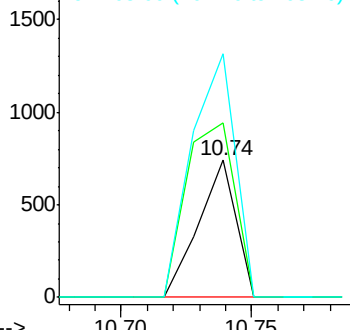
105 177.6 38.6 78.6#



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: 0.77 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.13 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

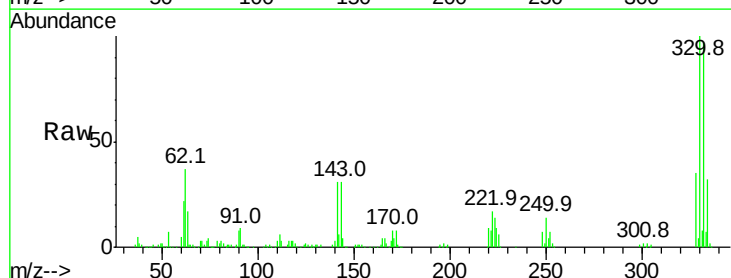
Tgt Ion:169 Resp: 10596

Ion Ratio Lower Upper

169 100

168 8.9 53.0 79.6#

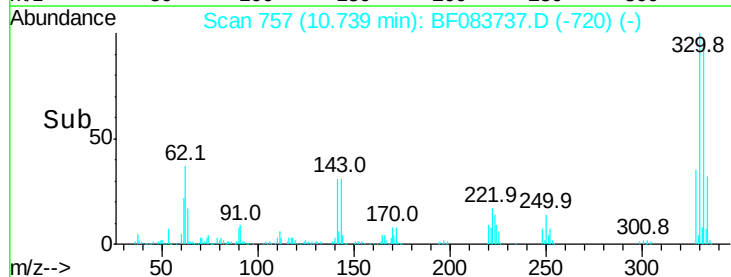
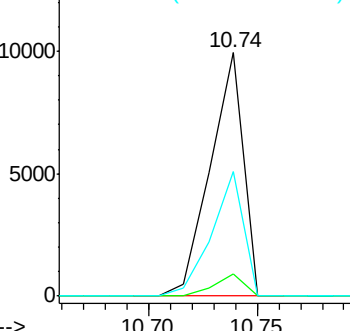
167 51.4 29.3 43.9#

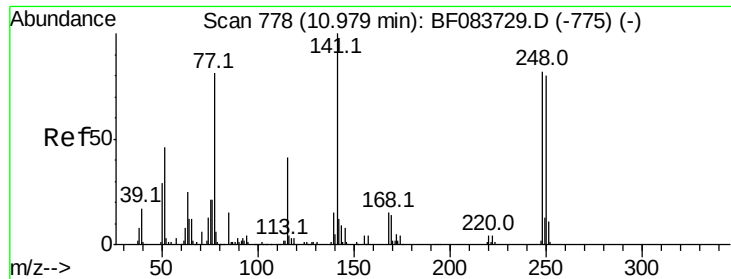


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.78 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.25 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

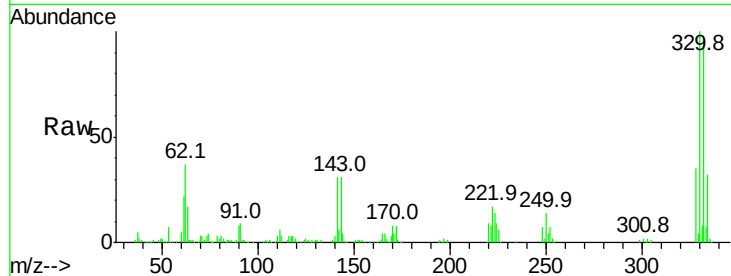
Tot Ion:248 Resp: 21627

Ion Ratio Lower Upper

248 100

250 197.7 79.2 118.8#

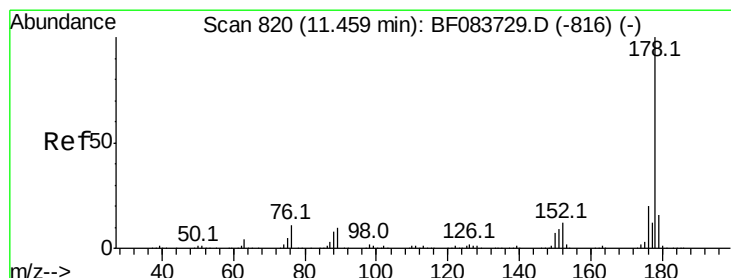
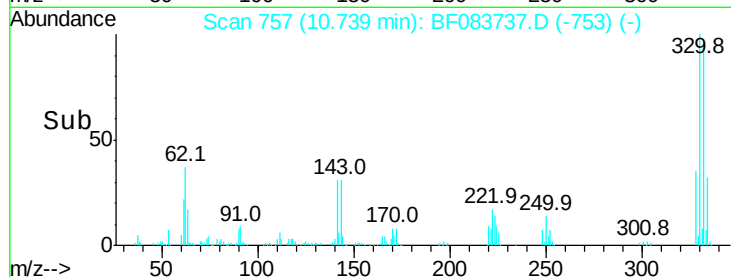
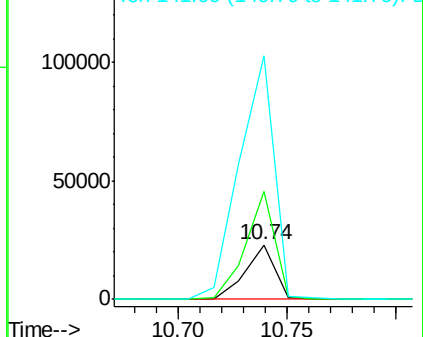
141 448.4 58.2 87.4#



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: 0.05 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

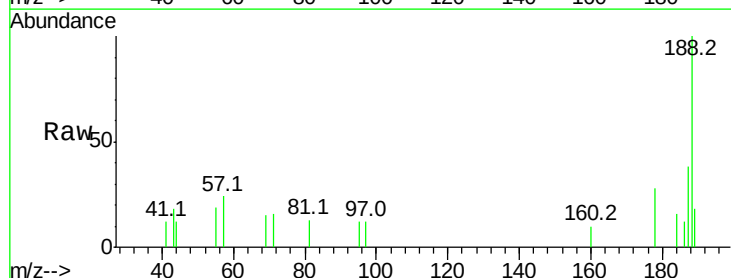
Tgt Ion:178 Resp: 983

Ion Ratio Lower Upper

178 100

176 0.0 15.7 23.5#

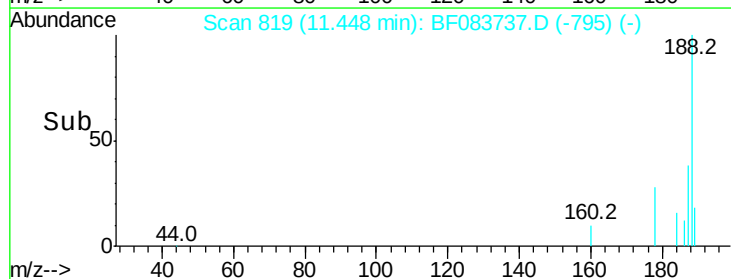
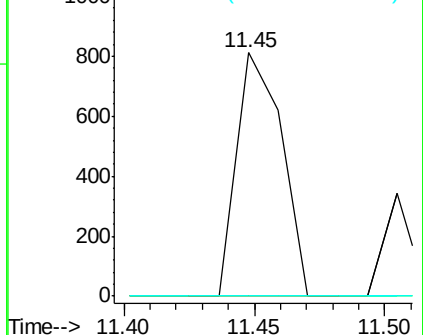
179 0.0 12.2 18.4#

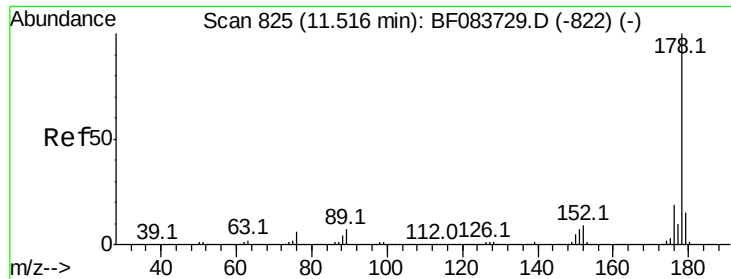


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

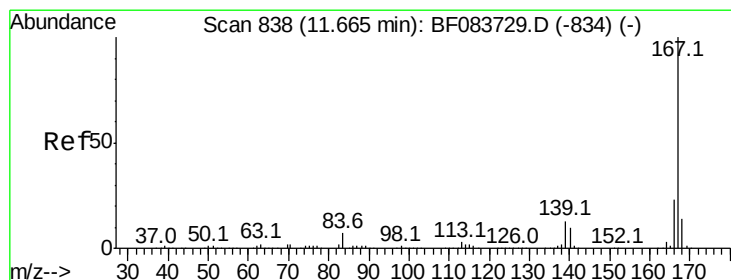
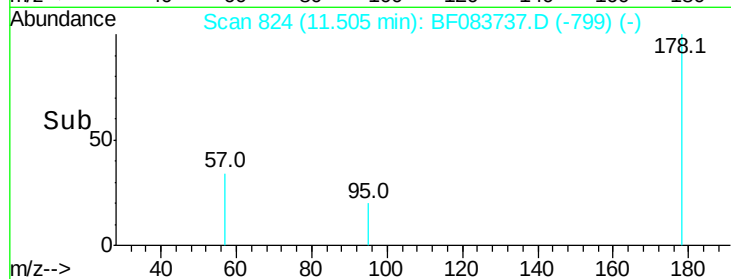
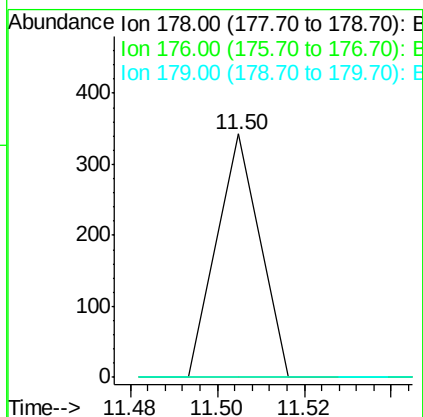
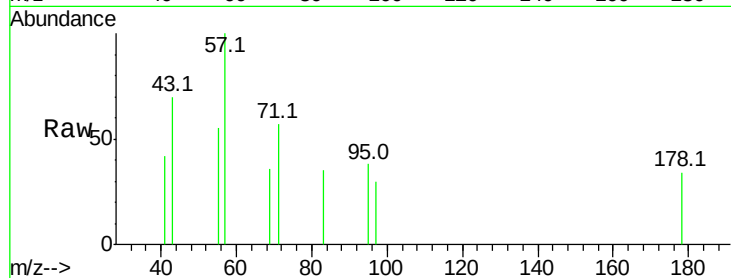




#71
 Anthracene
 Concen: 0.01 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF083737.D
 Acq: 13 Dec 2015 18:56

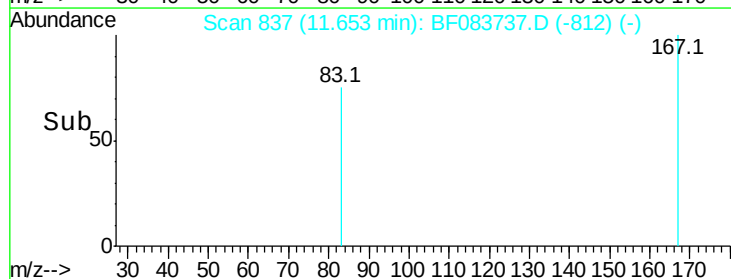
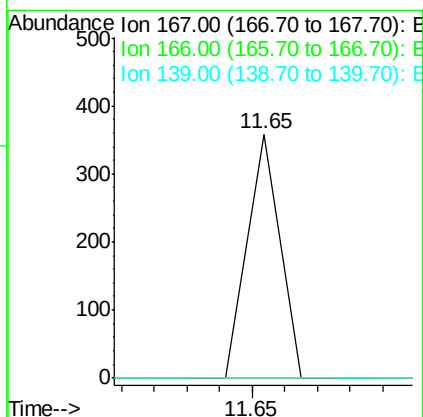
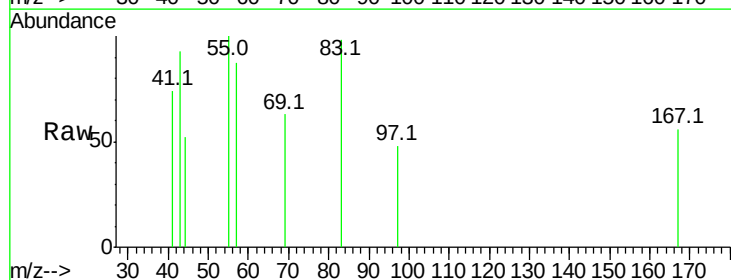
Instrument :
 BNA_F
 ClientSampleId :

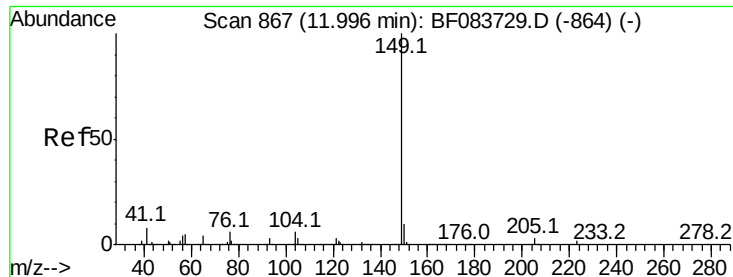
Tot Ion:178 Resp: 235
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.2 22.8#
 179 0.0 12.6 18.8#



#72
 Carbazole
 Concen: 0.01 ng
 RT: 11.65 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF083737.D
 Acq: 13 Dec 2015 18:56

Tgt Ion:167 Resp: 245
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.2 25.8#
 139 0.0 9.3 13.9#





#73

Di-n-butylphthalate

Concen: 0.07 ng

RT: 12.00 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

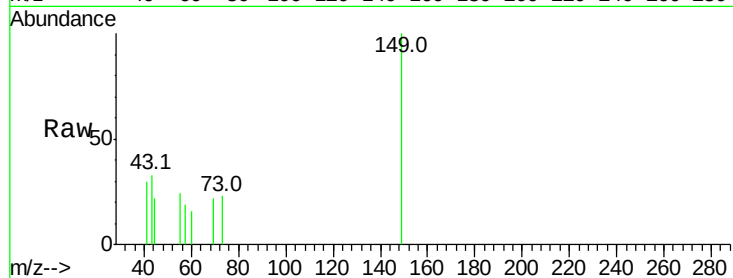
Tot Ion:149 Resp: 1755

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

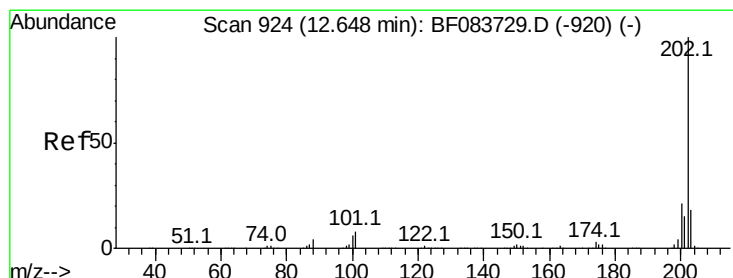
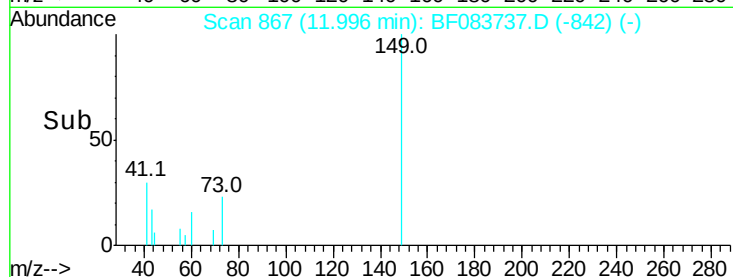
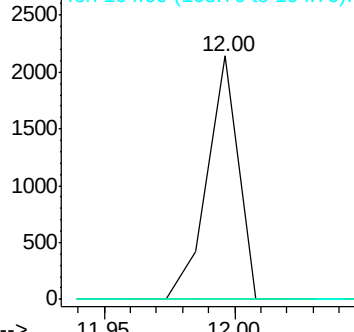
104 0.0 3.9 5.9#



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



#74

Fluoranthene

Concen: 0.07 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

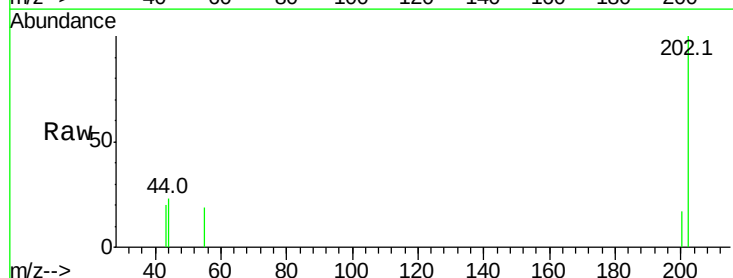
Tgt Ion:202 Resp: 1537

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.5

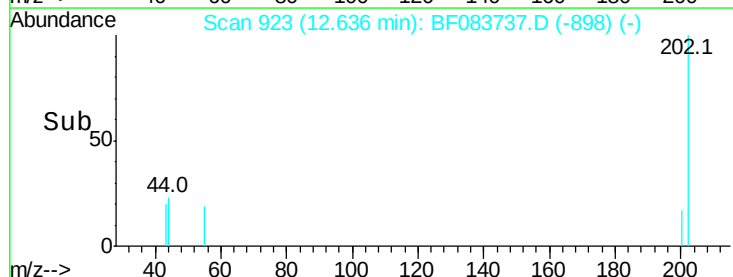
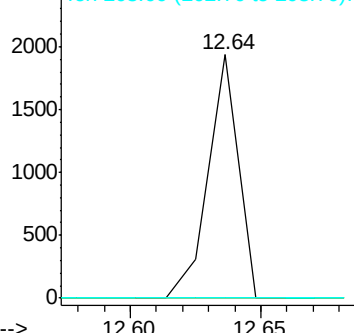
203 0.0 0.0 37.6

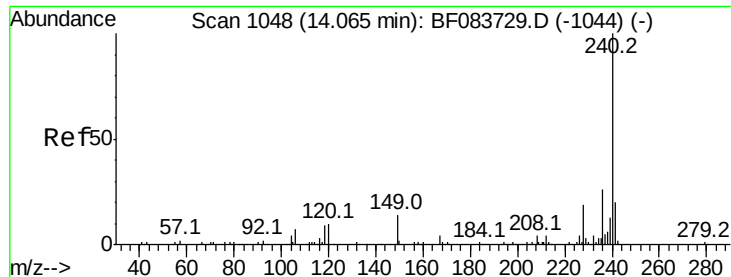


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

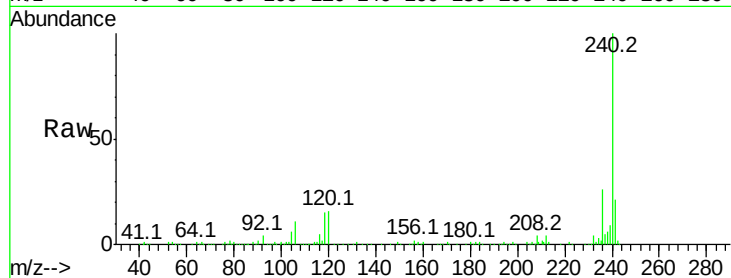
Tot Ion:240 Resp: 281886

Ion Ratio Lower Upper

240 100

120 15.9 8.1 12.1#

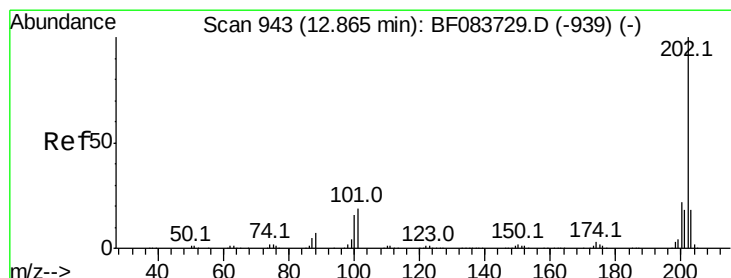
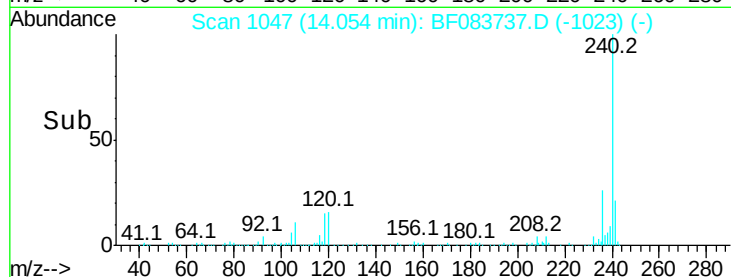
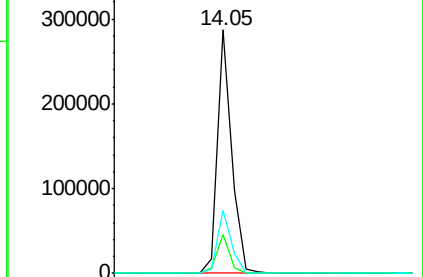
236 25.8 20.8 31.2



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: 0.06 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

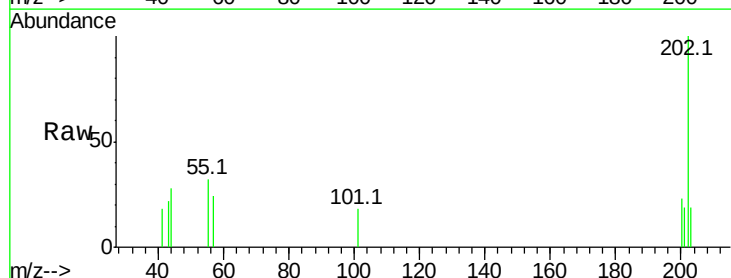
Tgt Ion:202 Resp: 1422

Ion Ratio Lower Upper

202 100

200 23.2 16.7 25.1

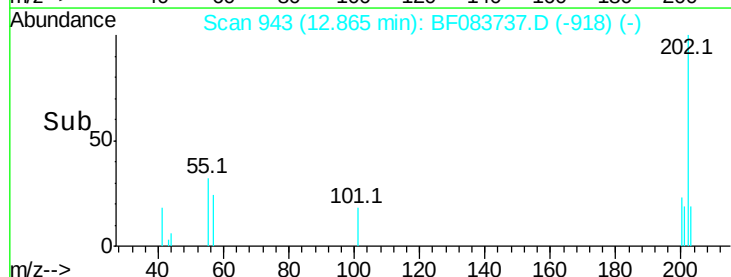
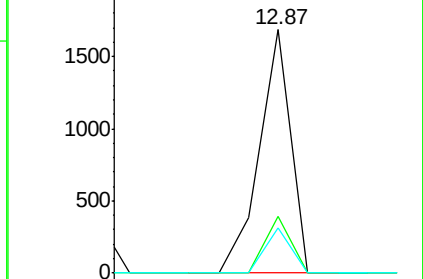
203 18.7 14.3 21.5

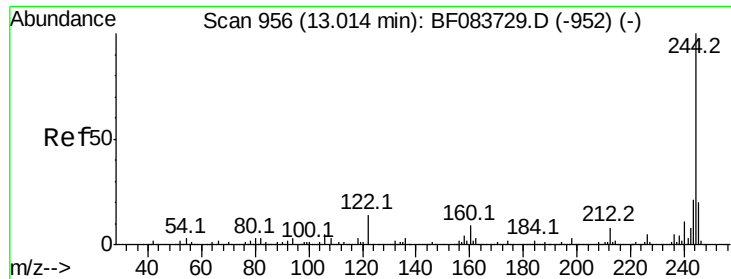


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

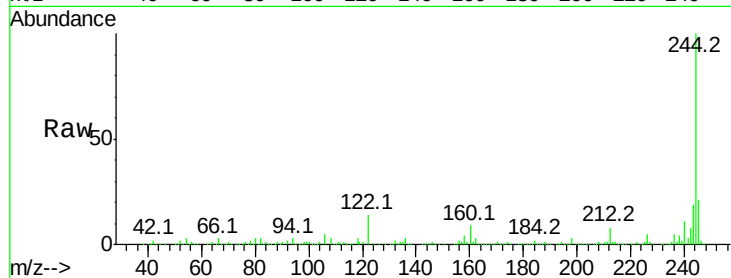




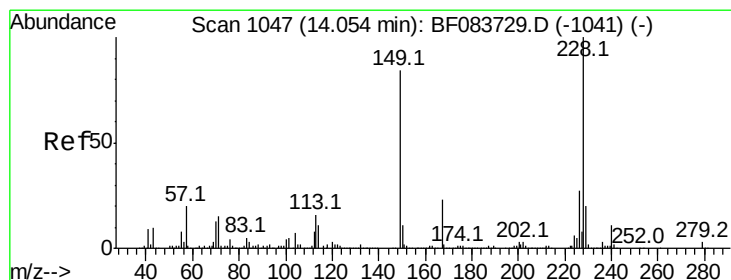
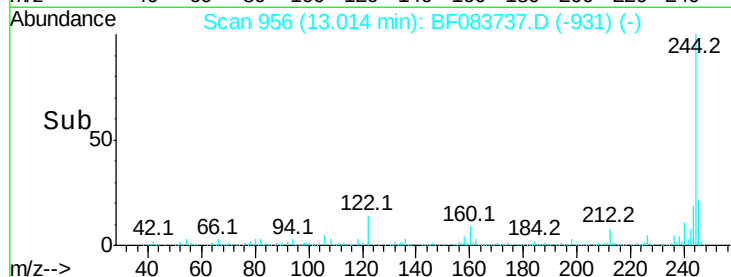
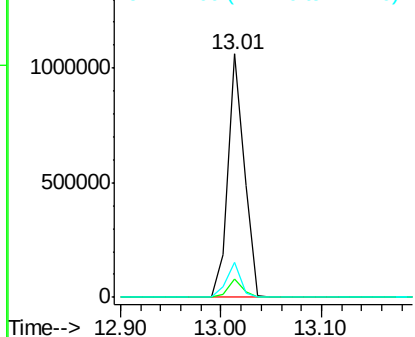
#78
 Terphenyl-d14
 Concen: 91.75 ng
 RT: 13.01 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF083737.D
 Acq: 13 Dec 2015 18:56

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 1202278
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 14.2 11.0 16.6

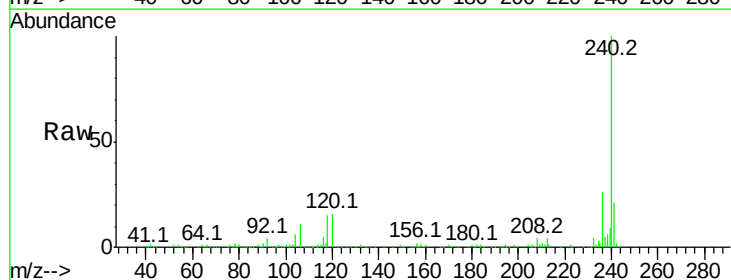


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

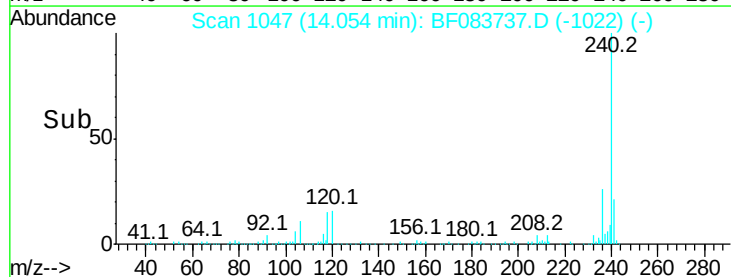
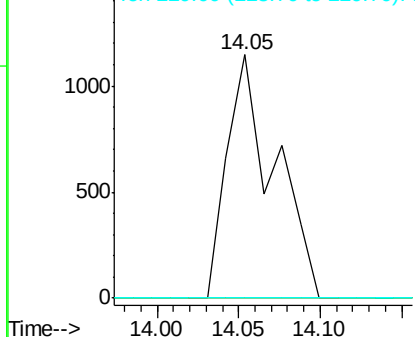


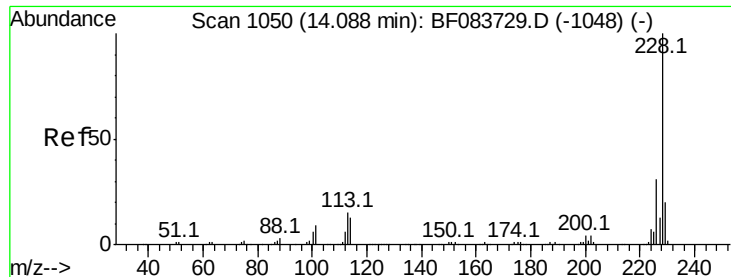
#80
 Benzo(a)anthracene
 Concen: 0.14 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF083737.D
 Acq: 13 Dec 2015 18:56

Tgt Ion:228 Resp: 2309
 Ion Ratio Lower Upper
 228 100
 226 0.0 22.3 33.5#
 229 0.0 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





#82

Chrysene

Concen: 0.15 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.05 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

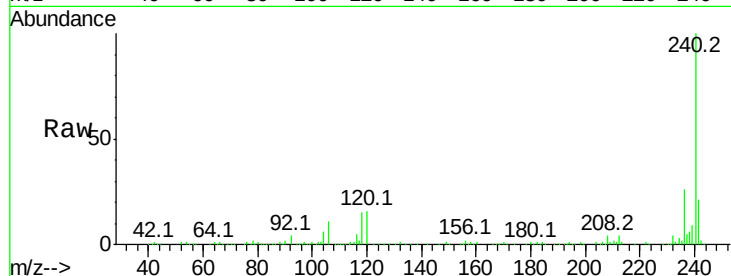
Tot Ion:228 Resp: 2309

Ion Ratio Lower Upper

228 100

226 0.0 24.7 37.1#

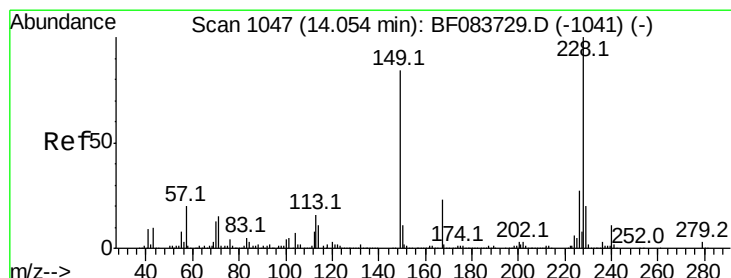
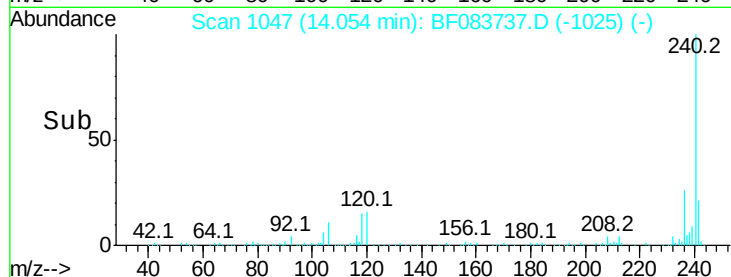
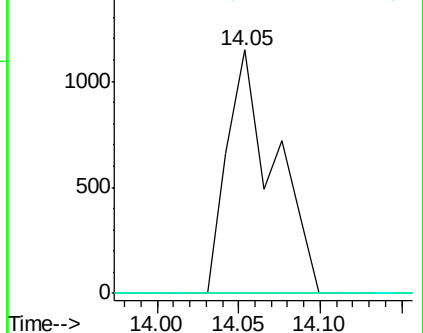
229 0.0 16.3 24.5#



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: 0.36 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

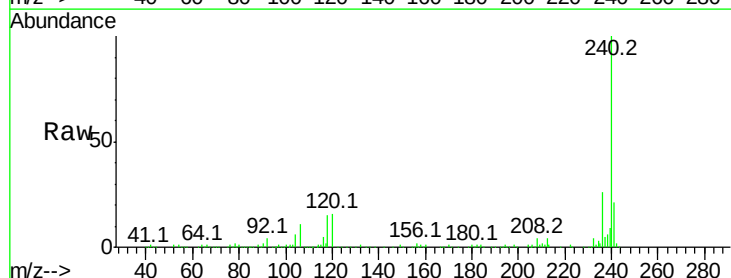
Tgt Ion:149 Resp: 3939

Ion Ratio Lower Upper

149 100

167 32.5 21.8 32.8

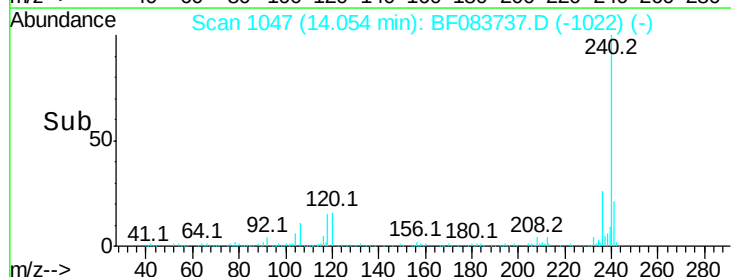
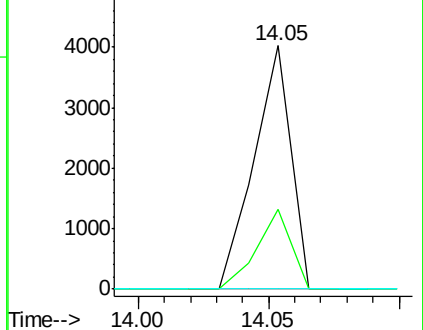
279 0.0 3.0 4.4#

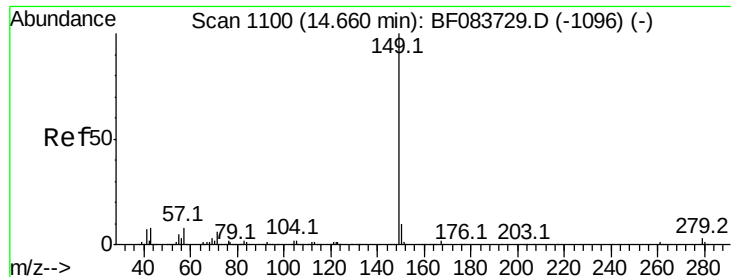


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.03 ng

RT: 14.66 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

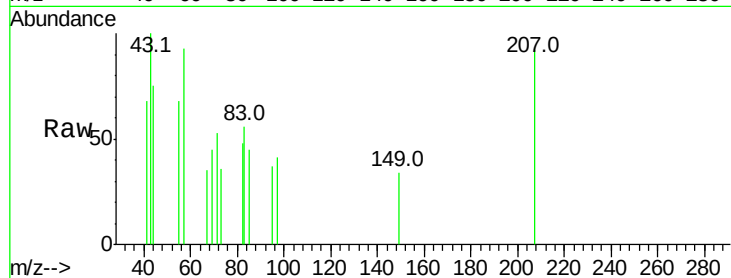
Tot Ion:149 Resp: 437

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

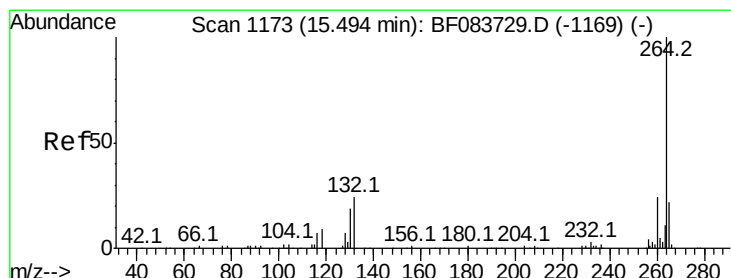
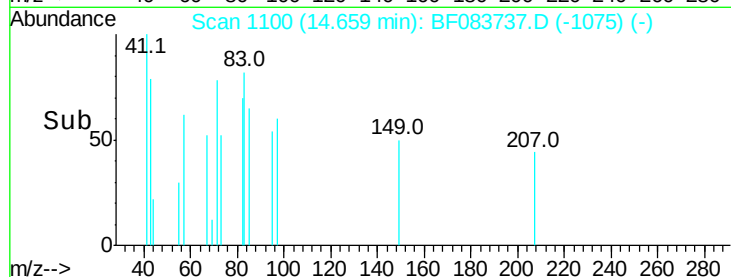
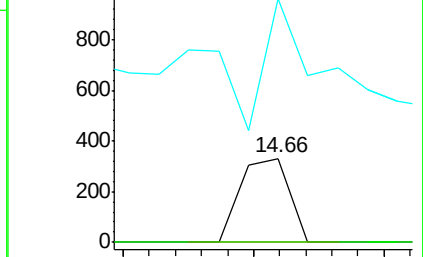
43 216.5 0.0 0.0#



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: BF083737.D

Acq: 13 Dec 2015 18:56

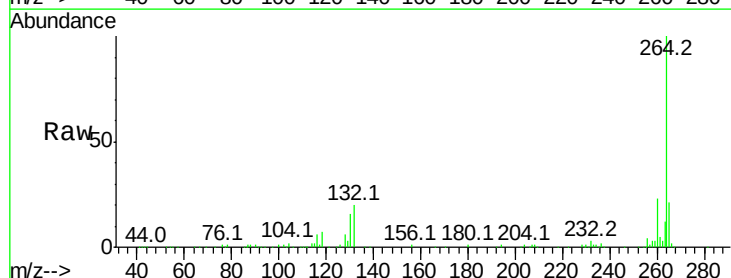
Tgt Ion:264 Resp: 223917

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.0

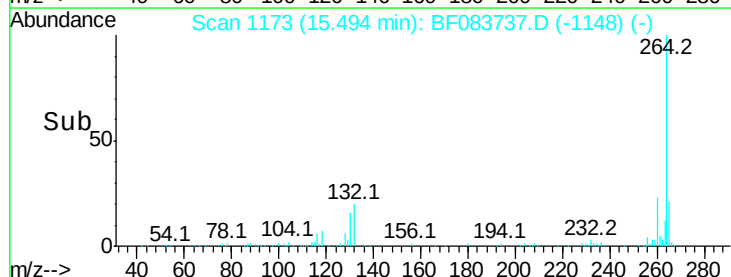
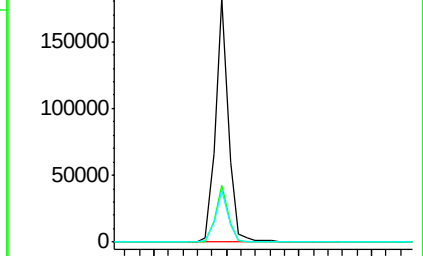
265 21.2 17.8 26.6

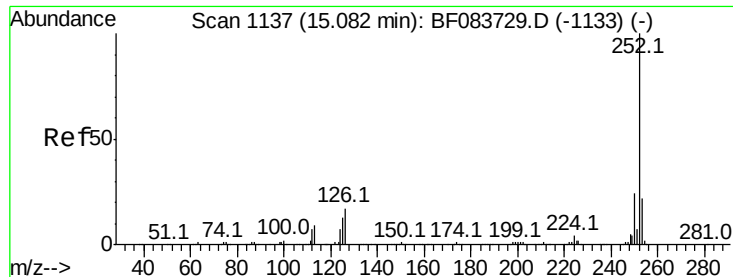


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.10 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

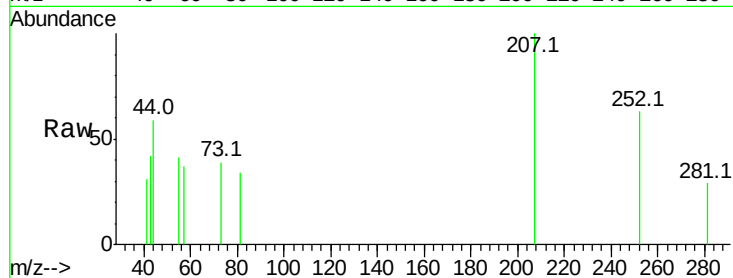
Tot Ion:252 Resp: 1376

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.4#

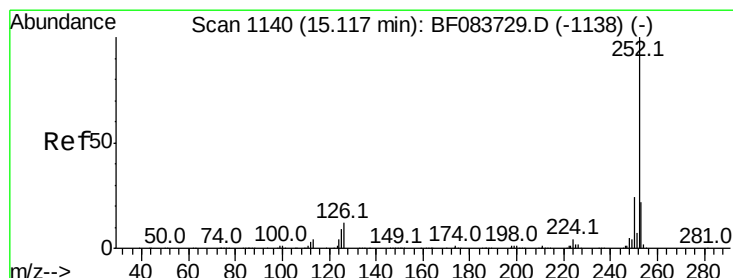
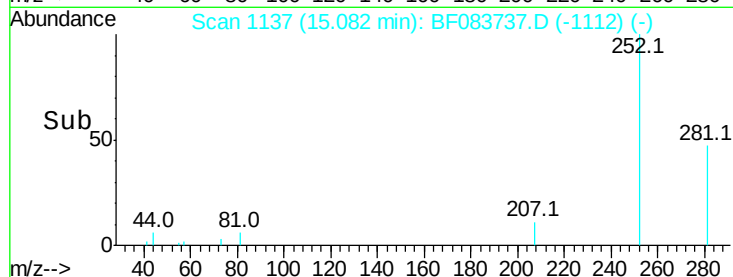
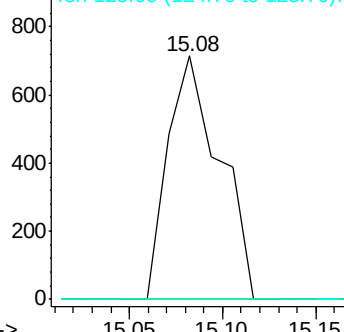
125 0.0 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.11 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.05 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

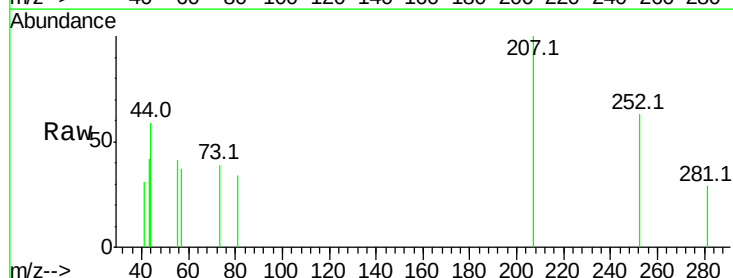
Tgt Ion:252 Resp: 1376

Ion Ratio Lower Upper

252 100

253 0.0 18.6 27.8#

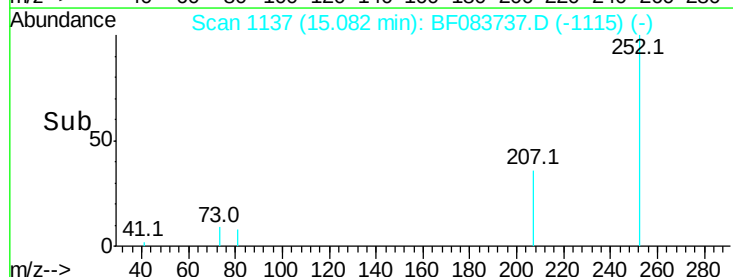
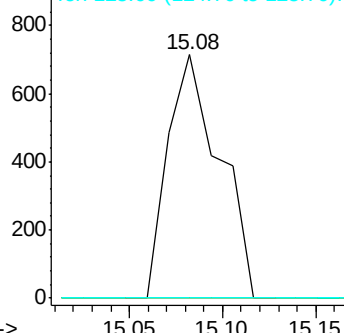
125 0.0 11.5 17.3#

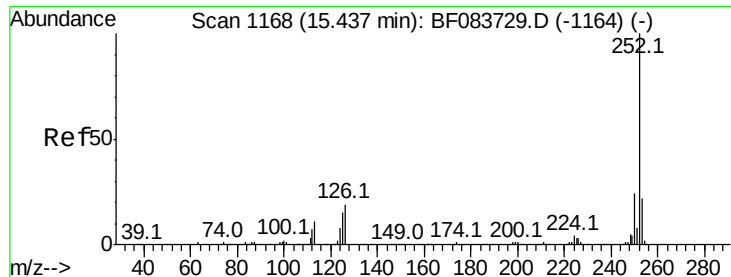


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.05 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

Instrument :

BNA_F

ClientSampleId :

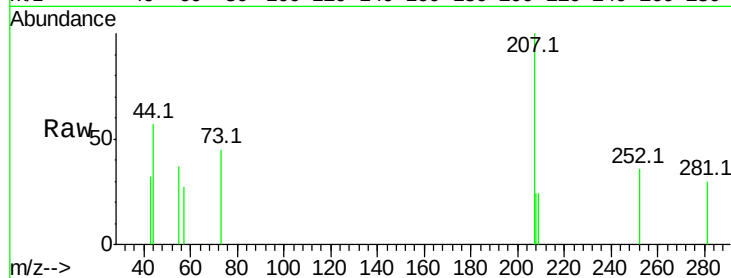
Tot Ion:252 Resp: 596

Ion Ratio Lower Upper

252 100

253 0.0 17.5 26.3#

125 0.0 11.0 16.6#

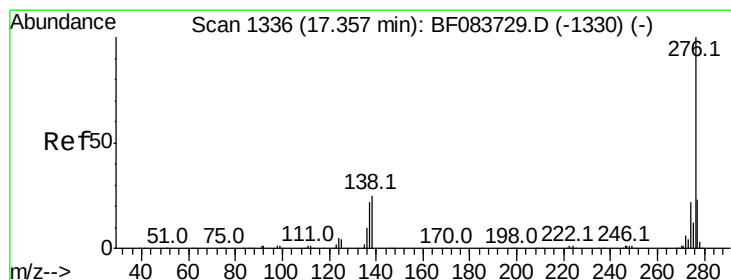
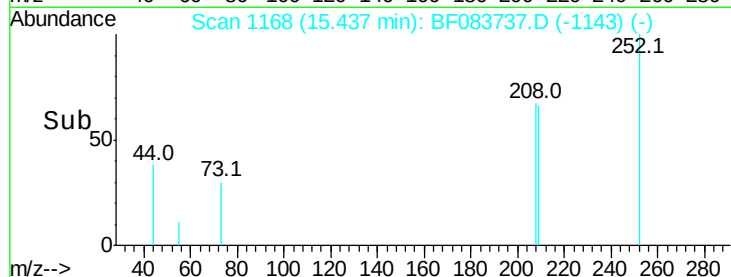
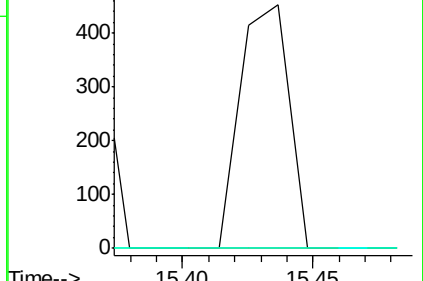


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

15.44



#91

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 17.33 min Scan# 1334

Delta R.T. -0.05 min

Lab File: BF083737.D

Acq: 13 Dec 2015 18:56

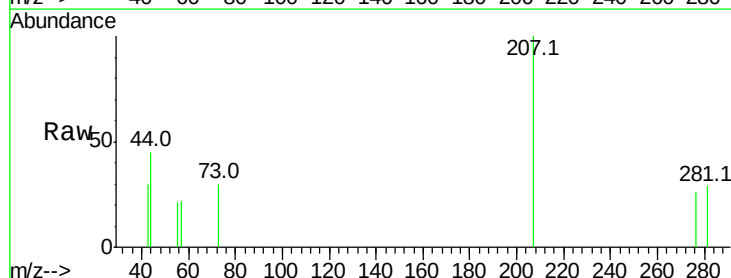
Tgt Ion:276 Resp: 259

Ion Ratio Lower Upper

276 100

277 0.0 19.2 28.8#

138 0.0 19.5 29.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

17.33

