

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083742.D
 Acq On : 13 Dec 2015 21:16
 Operator : UM/IZ
 Sample : G4648-24
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 02:32:48 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	115694	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	475152	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	222644	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	396968	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	262357	20.00	ng	-0.02
86) Perylene-d12	15.49	264	234695	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1025452	142.99	ng	0.00
7) Phenol-d6	6.54	99	1213570	133.63	ng	0.00
23) Nitrobenzene-d5	7.48	82	799655	94.16	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	306315	135.02	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	1246763	80.82	ng	-0.01
78) Terphenyl-d14	13.01	244	1004106	82.33	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.56	88	658	0.19	ng	# 16
6) Aniline	6.60	93	3376	0.27	ng	# 1
8) 2-Chlorophenol	6.70	128	1025	0.12	ng	80
9) Benzaldehyde	6.69	77	29810	6.11	ng	88
10) Phenol	6.56	94	15677	1.50	ng	# 26
11) bis(2-Chloroethyl)ether	6.68	93	3028	0.40	ng	# 1
15) Benzyl Alcohol	7.08	79	20933	3.14	ng	# 39
17) 2-Methylphenol	7.20	107	3854	0.57	ng	# 1
18) Hexachloroethane	7.46	117	34723	10.82	ng	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	20194	3.63	ng	# 58
20) 3+4-Methylphenols	7.32	107	2982	0.37	ng	# 1
22) Acetophenone	7.32	105	152122	13.05	ng	# 52
24) Nitrobenzene	7.46	77	31349	3.55	ng	# 49
25) Isophorone	7.73	82	24266	1.46	ng	# 1
26) 2-Nitrophenol	7.85	139	3124	0.74	ng	# 1
27) 2,4-Dimethylphenol	7.87	122	3416	0.41	ng	# 60
28) bis(2-Chloroethoxy)methane	7.95	93	1492	0.16	ng	# 1
29) 2,4-Dichlorophenol	8.05	162	1415	0.21	ng	# 34
31) Naphthalene	8.22	128	30140	1.22	ng	# 96
32) Benzoic acid	8.00	122	471	0.09	ng	# 6
33) 4-Chloroaniline	8.22	127	7759	0.77	ng	# 51
35) Caprolactam	8.64	113	1119	0.51	ng	# 87
36) 4-Chloro-3-methylphenol	8.67	107	392	0.05	ng	# 26
37) 2-Methylnaphthalene	8.91	142	6360	0.41	ng	95
45) 1,1'-Biphenyl	9.38	154	348	0.02	ng	# 43
47) 2-Nitroaniline	9.66	65	3329	0.81	ng	# 1
49) Dimethylphthalate	9.66	163	323609	18.64	ng	99
50) 2,6-Dinitrotoluene	9.66	165	3813	1.04	ng	# 16
51) Acenaphthene	9.95	154	982	0.07	ng	# 4
54) Dibenzofuran	10.16	168	208	0.01	ng	# 47
56) 2,4-Dinitrotoluene	9.95	165	29917	6.22	ng	# 12
57) Fluorene	10.74	166	15116	0.98	ng	# 93
59) Diethylphthalate	10.37	149	2759	0.16	ng	96
62) Azobenzene	10.74	77	1784	0.11	ng	# 26

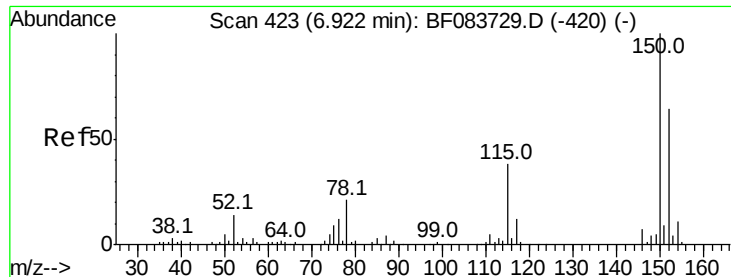
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 14 02:32:48 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)
64) 4,6-Dinitro-2-methylphenol	10.74	198	817	0.36	nq	# 16
65) n-Nitrosodiphenylamine	10.74	169	10561	0.78	nq	# 47
66) 4-Bromophenyl-phenylether	10.74	248	21505	4.84	nq	# 1
73) Di-n-butylphthalate	12.00	149	1283	0.05	nq	# 78
77) Pyrene	13.01	202	3360	0.16	nq	# 66
80) Benzo(a)anthracene	14.05	228	419	0.03	nq	# 51
82) Chrysene	14.05	228	419	0.03	nq	# 49
83) Bis(2-ethylhexyl)phthalate	14.05	149	1693	0.17	nq	# 76
89) Benzo(a)pyrene	15.49	252	407	0.03	nq	# 59

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampled :

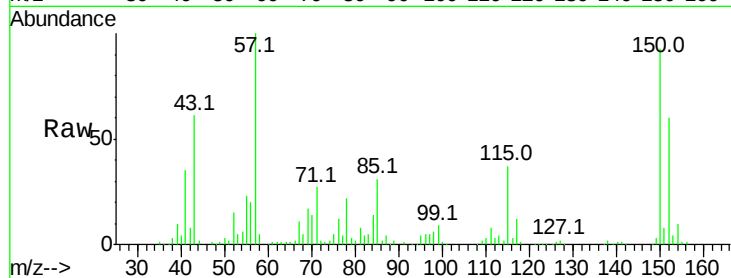
Tot Ion:152 Resp: 115694

Ion Ratio Lower Upper

152 100

150 154.9 126.5 189.7

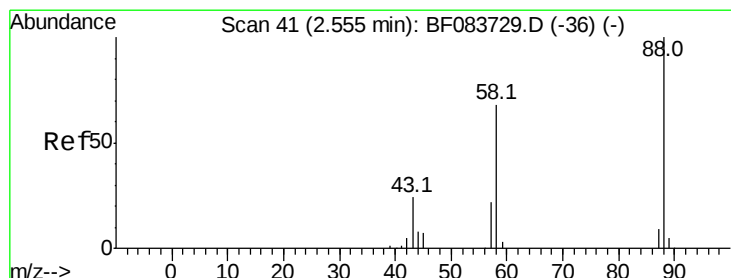
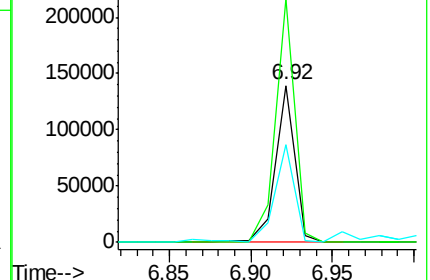
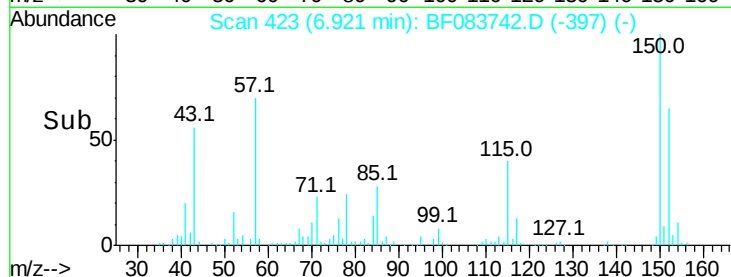
115 62.4 52.3 78.5



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: 0.19 ng

RT: 2.56 min Scan# 41

Delta R.T. -0.01 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

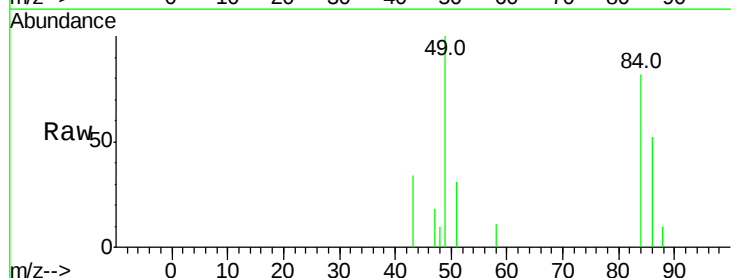
Tgt Ion: 88 Resp: 658

Ion Ratio Lower Upper

88 100

58 0.0 68.0 102.0#

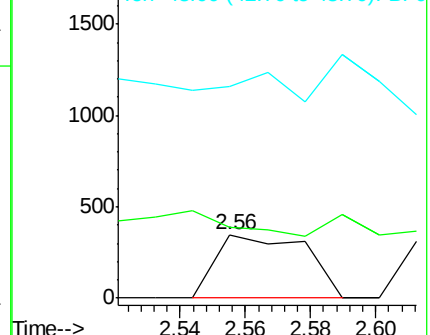
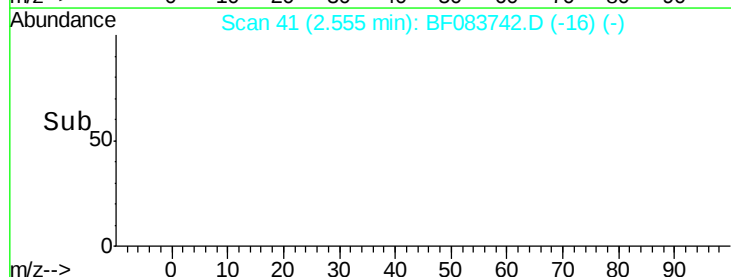
43 0.0 27.9 41.9#

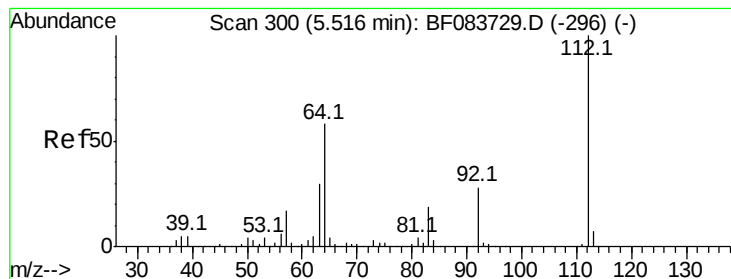


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 142.99 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampleId :

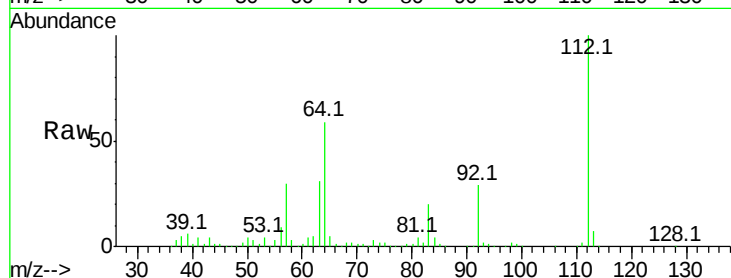
Tot Ion:112 Resp: 1025452

Ion Ratio Lower Upper

112 100

64 58.8 50.5 75.7

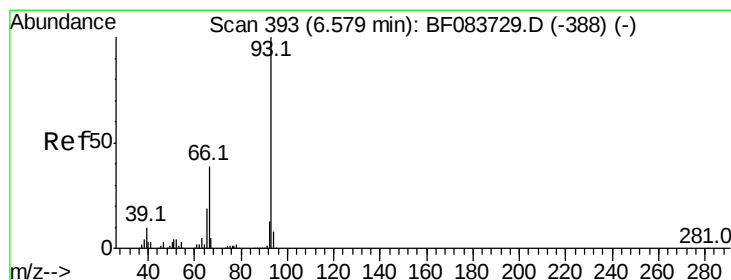
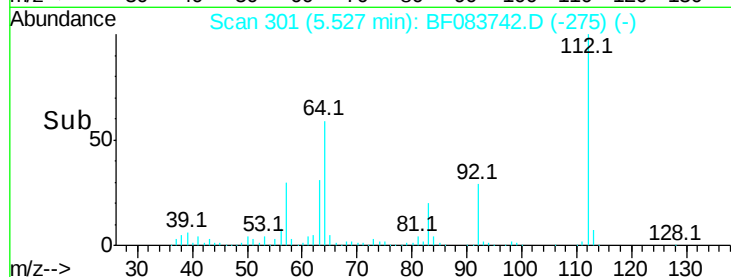
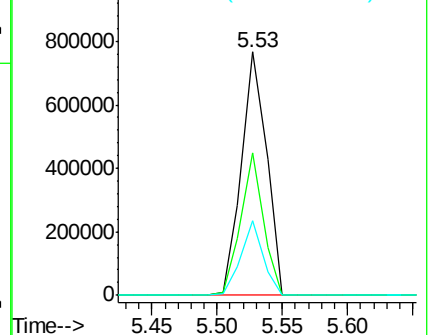
63 30.6 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.27 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.02 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

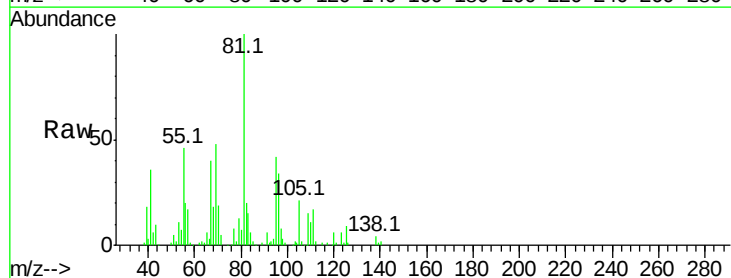
Tgt Ion: 93 Resp: 3376

Ion Ratio Lower Upper

93 100

66 148.3 41.3 61.9#

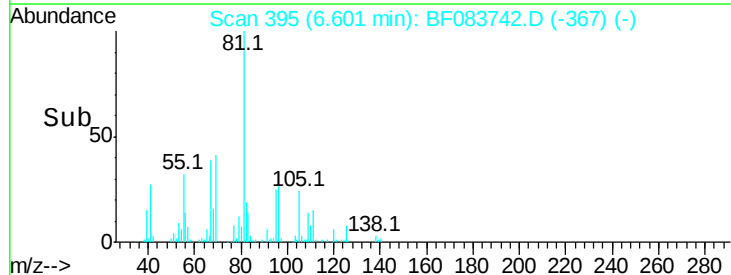
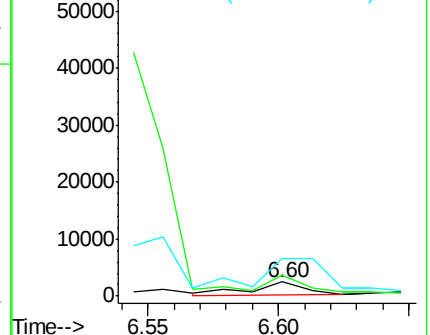
65 262.2 20.8 31.2#

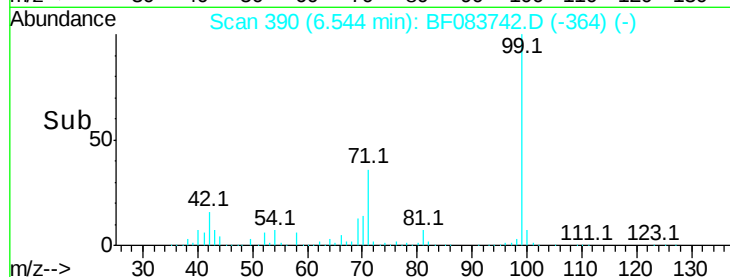
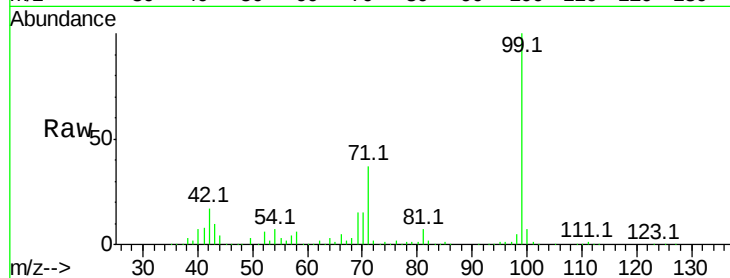
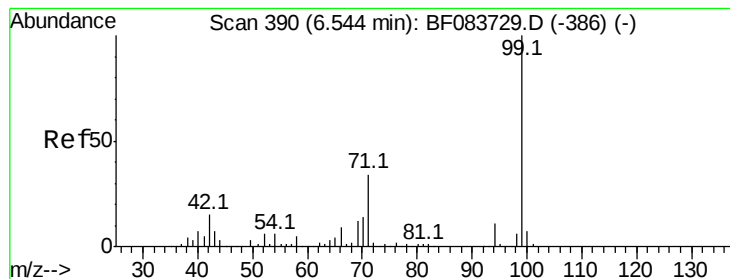


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 133.63 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

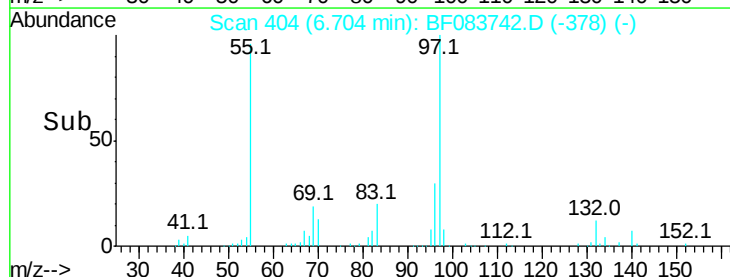
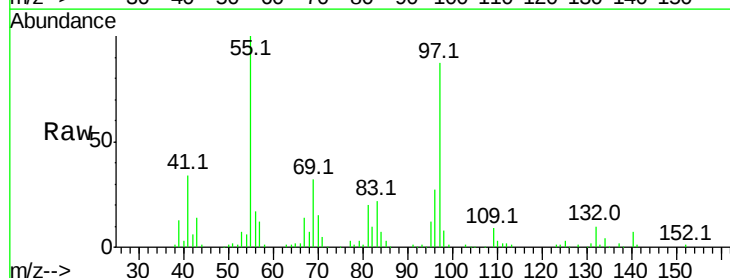
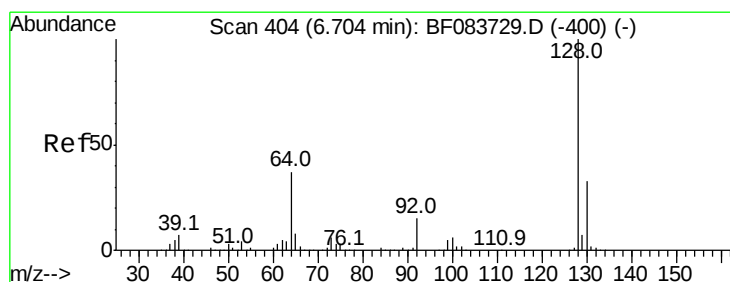
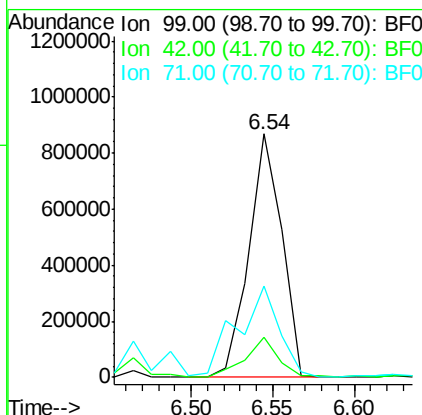
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1213570

Ion	Ratio	Lower	Upper
99	100		
42	16.7	17.3	25.9#
71	37.3	26.6	40.0



#8

2-Chlorophenol

Concen: 0.12 ng

RT: 6.70 min Scan# 404

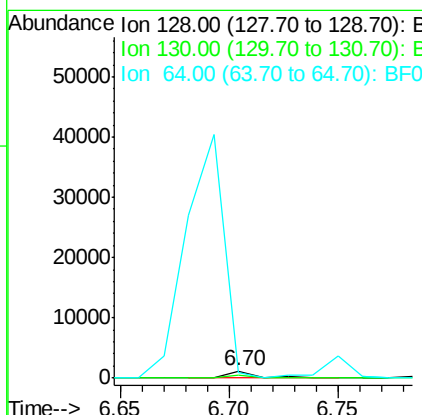
Delta R.T. 0.00 min

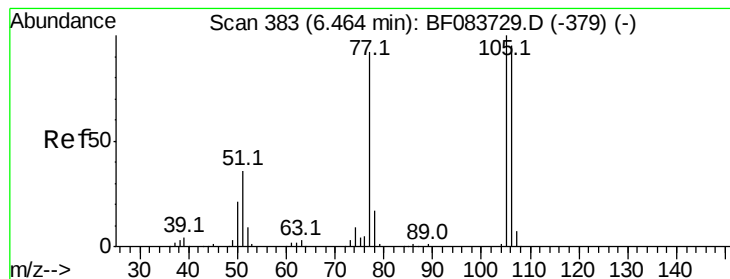
Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Tgt Ion:128 Resp: 1025

Ion	Ratio	Lower	Upper
128	100		
130	42.4	12.6	52.6
64	74.6	38.6	78.6





#9

Benzaldehyde

Concen: 6.11 ng

RT: 6.69 min Scan# 403

Delta R.T. 0.23 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampleId :

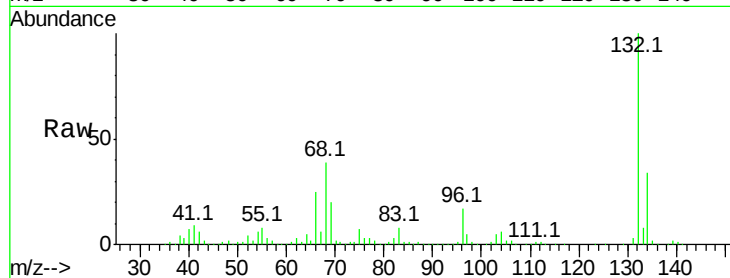
Tot Ion: 77 Resp: 29810

Ion Ratio Lower Upper

77 100

105 74.6 71.8 111.8

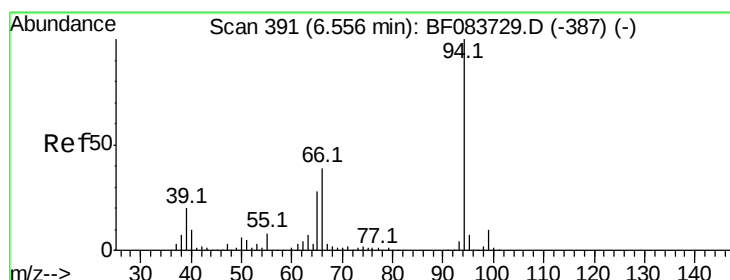
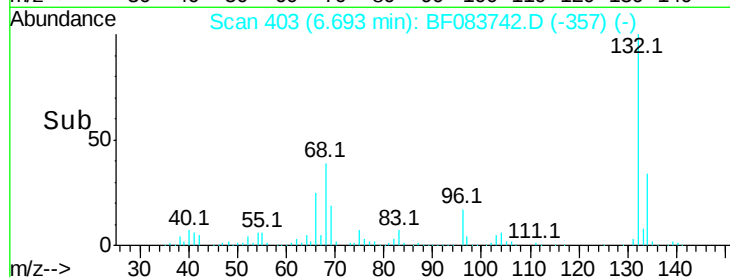
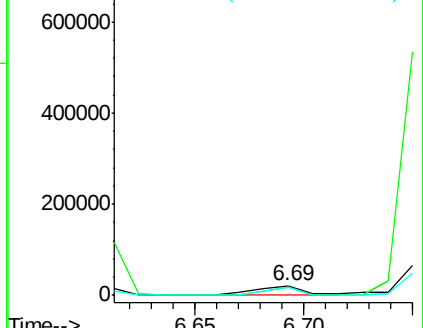
106 80.9 66.8 106.8



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: 1.50 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

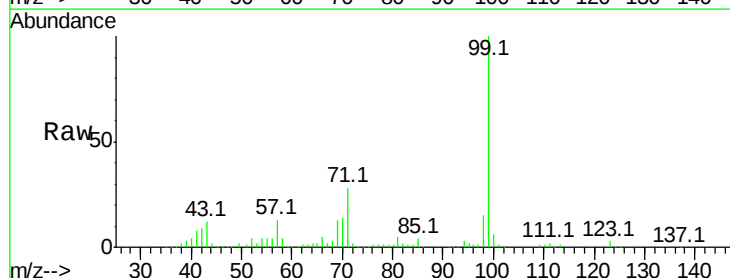
Tgt Ion: 94 Resp: 15677

Ion Ratio Lower Upper

94 100

65 57.0 20.9 60.9

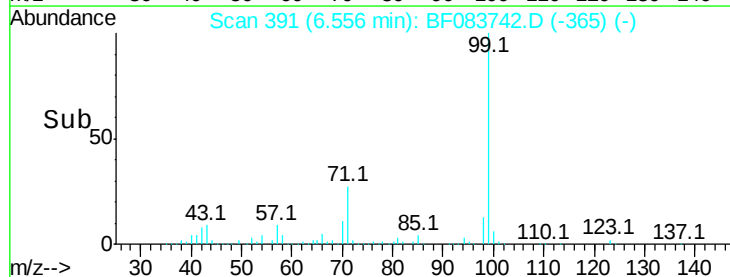
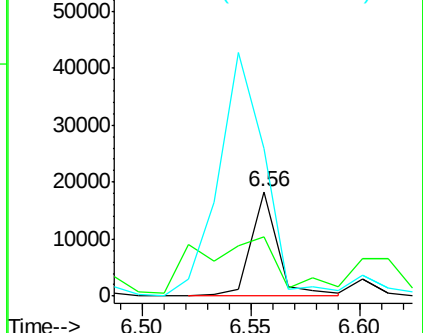
66 142.3 41.6 81.6#

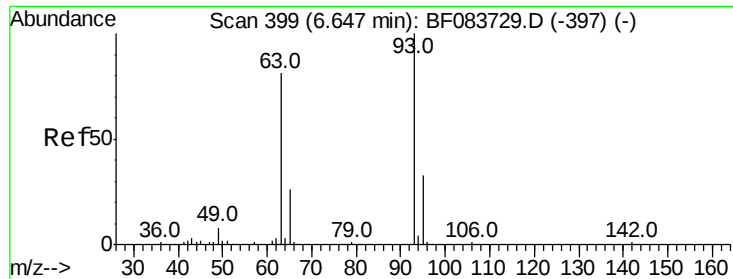


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 0.40 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.02 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampleId :

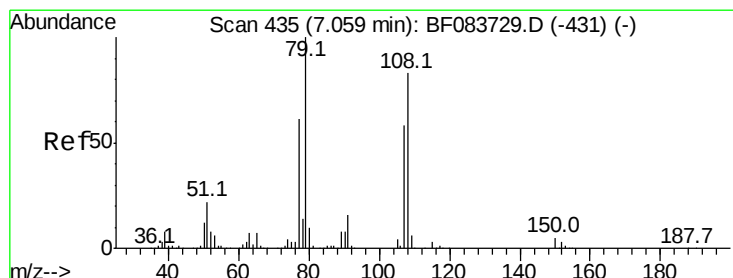
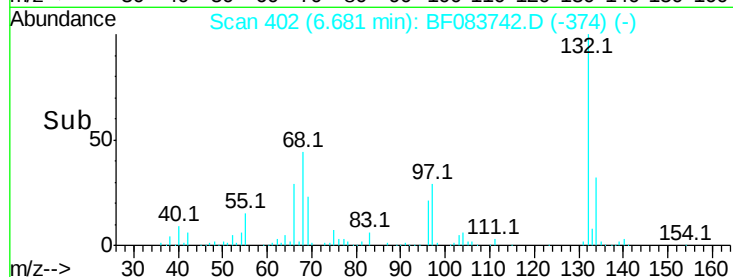
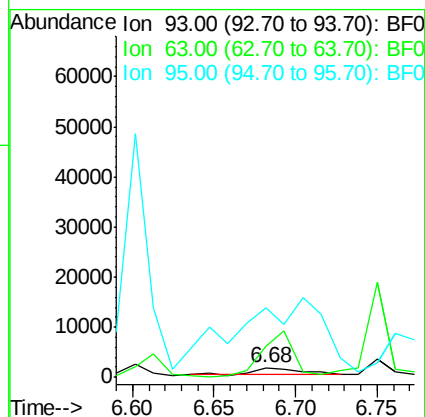
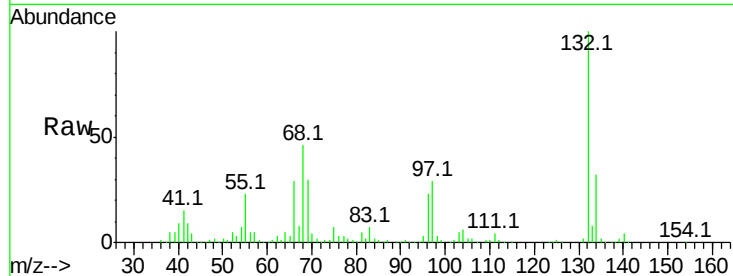
Tot Ion: 93 Resp: 3028

Ion Ratio Lower Upper

93 100

63 323.3 64.7 104.7#

95 730.7 12.7 52.7#



#15

Benzyl Alcohol

Concen: 3.14 ng

RT: 7.08 min Scan# 437

Delta R.T. 0.02 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

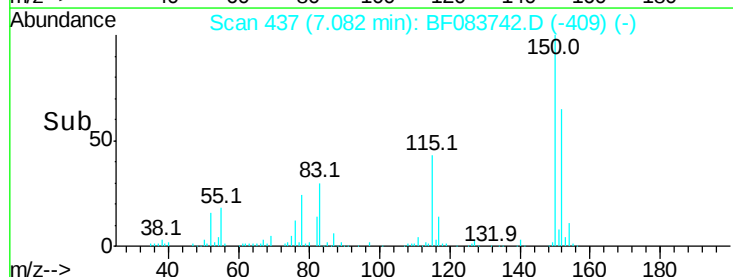
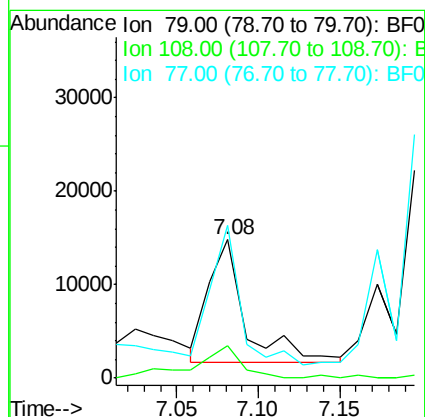
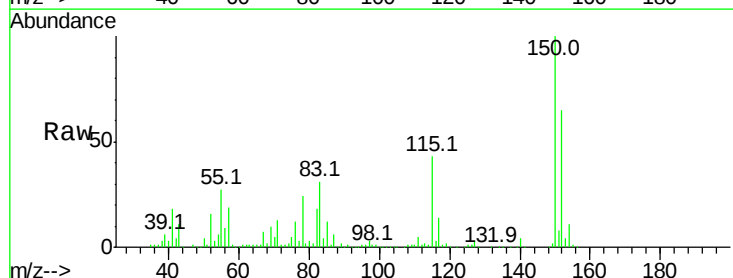
Tgt Ion: 79 Resp: 20933

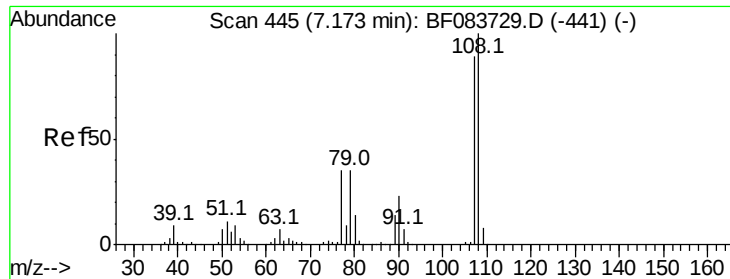
Ion Ratio Lower Upper

79 100

108 23.4 59.6 89.4#

77 110.5 49.8 74.6#

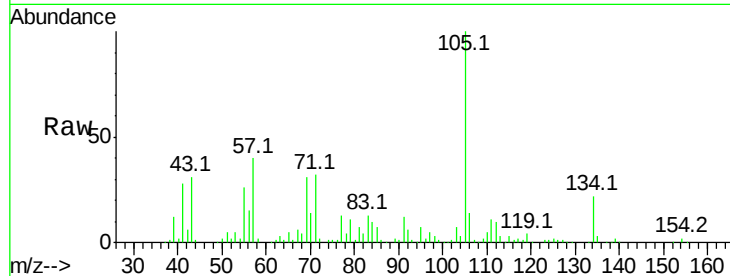




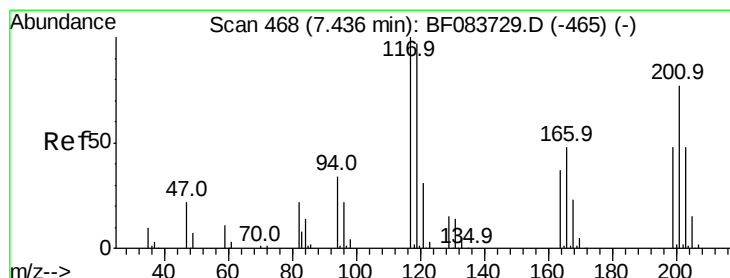
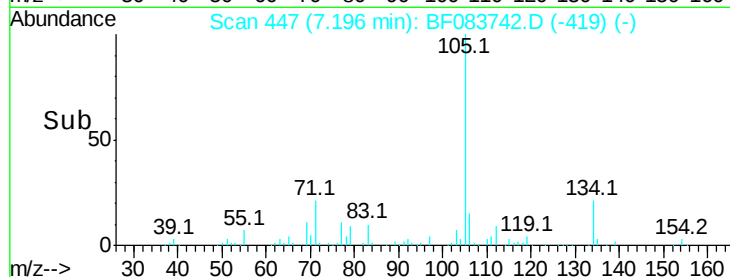
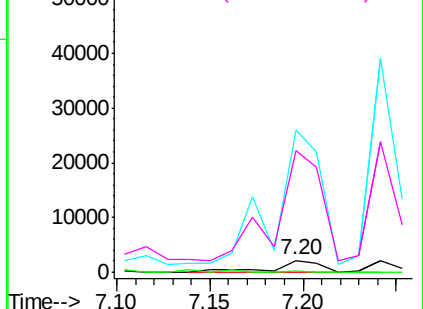
#17
2-Methylphenol
Concen: 0.57 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.02 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 3854
Ion Ratio Lower Upper
107 100
108 15.9 91.6 137.4#
77 1203.7 53.7 80.5#
79 1029.7 50.2 75.4#

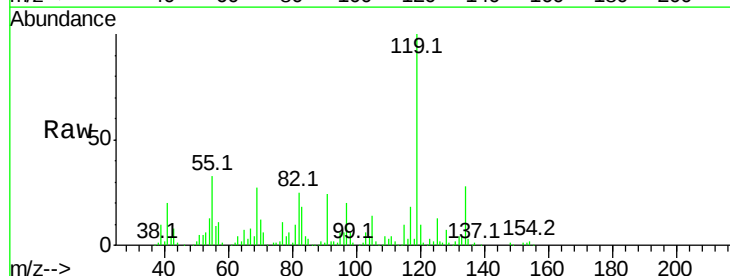


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

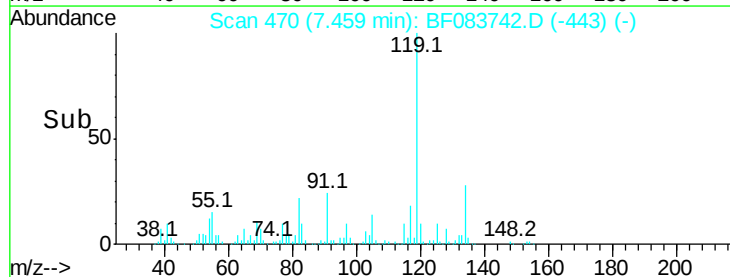
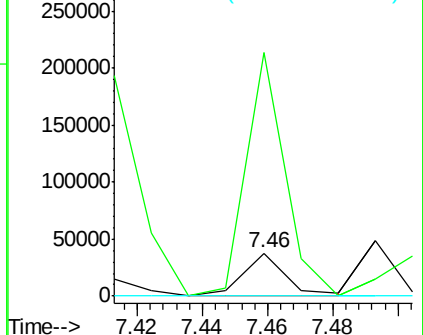


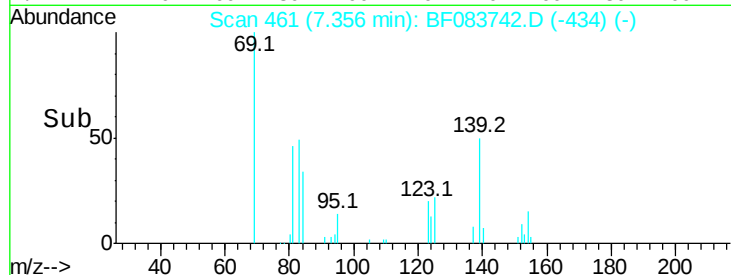
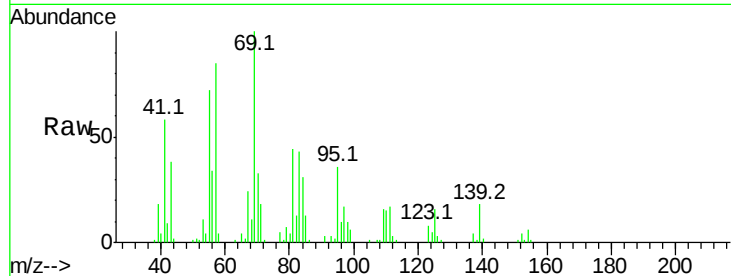
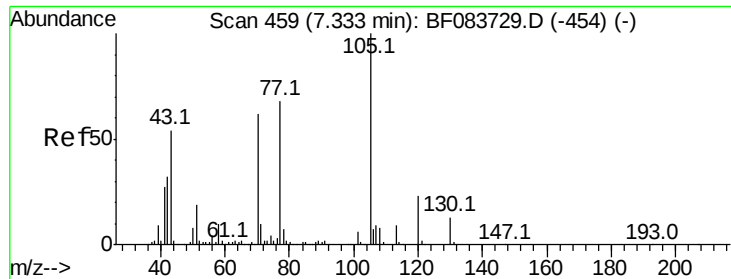
#18
Hexachloroethane
Concen: 10.82 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.01 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

Tgt Ion:117 Resp: 34723
Ion Ratio Lower Upper
117 100
119 566.0 77.2 115.8#
201 0.0 86.8 130.2#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

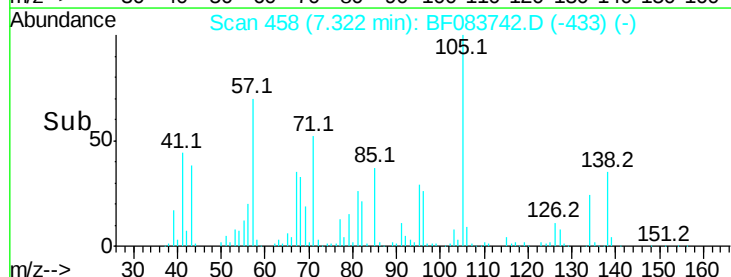
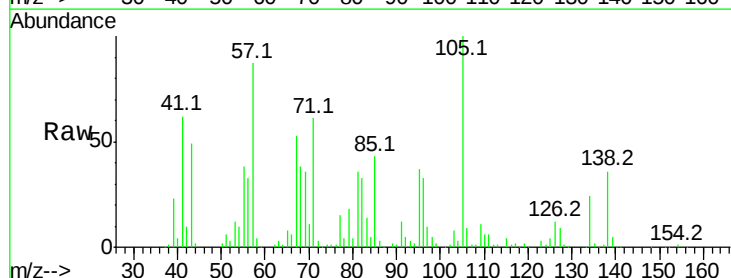
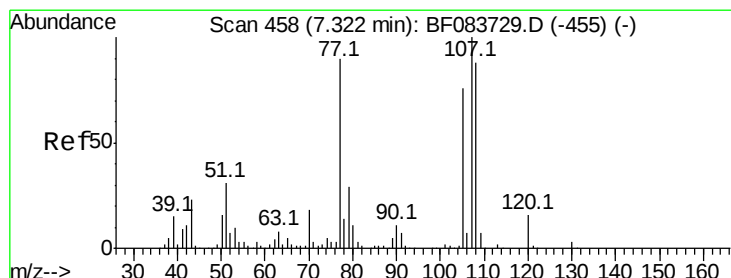
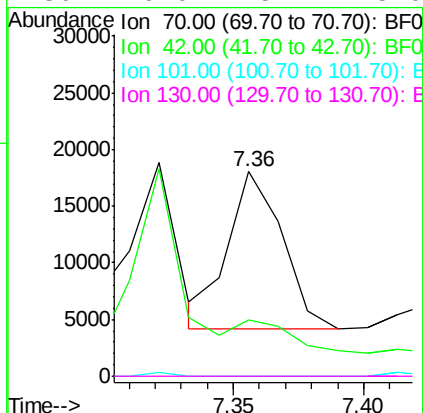




#19
n-Nitroso-di-n-propylamine
Concen: 3.63 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.01 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

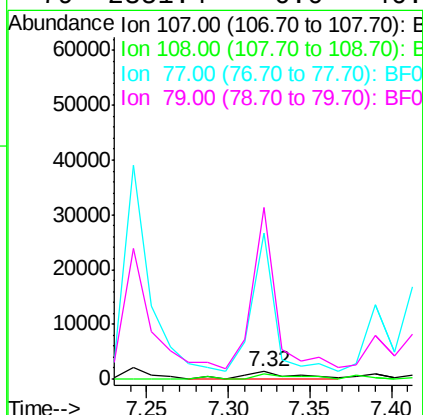
Instrument :
BNA_F
ClientSampled :

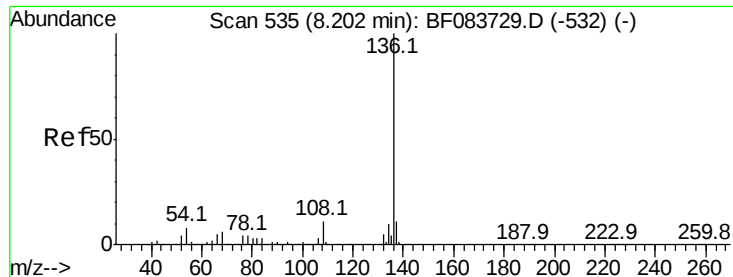
Tot Ion:	70	Resp:	20194
Ion	Ratio	Lower	Upper
70	100		
42	27.6	49.2	73.8#
101	0.0	7.1	10.7#
130	0.0	15.4	23.0#



#20
3+4-Methylphenols
Concen: 0.37 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

Tgt Ion:	107	Resp:	2982
Ion	Ratio	Lower	Upper
107	100		
108	73.0	65.2	105.2
77	1999.4	15.2	55.2#
79	2351.4	6.0	46.0#

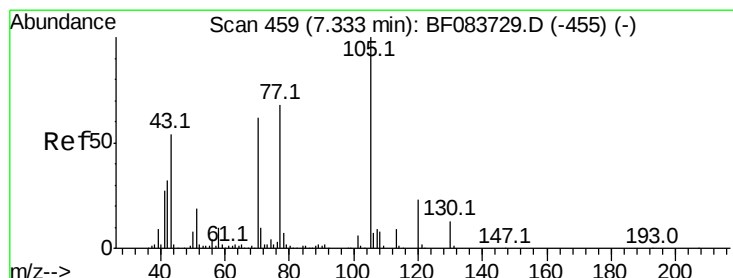
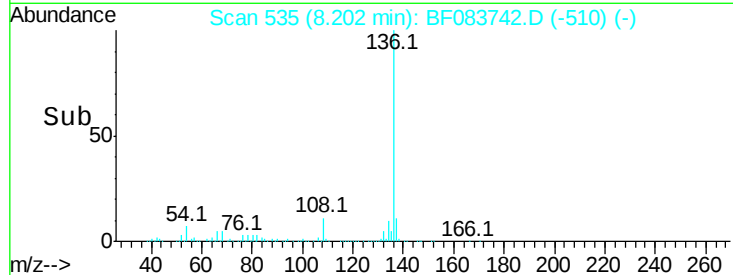
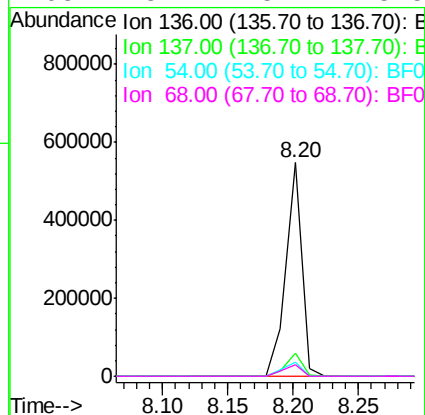
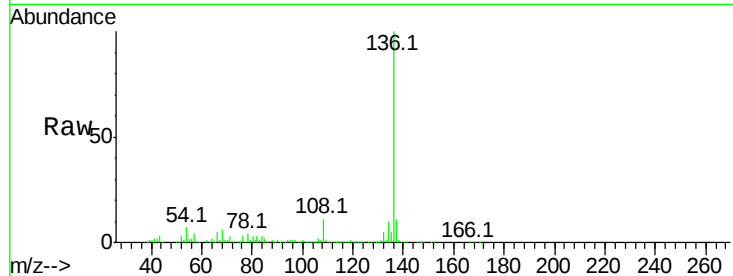




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

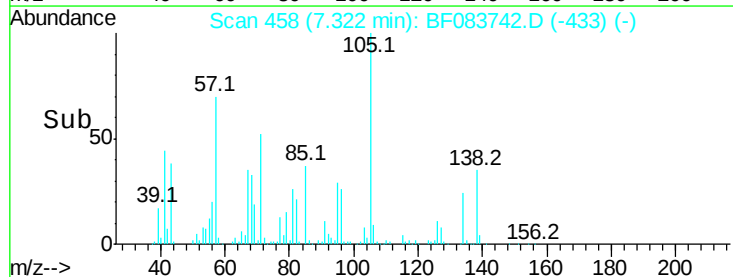
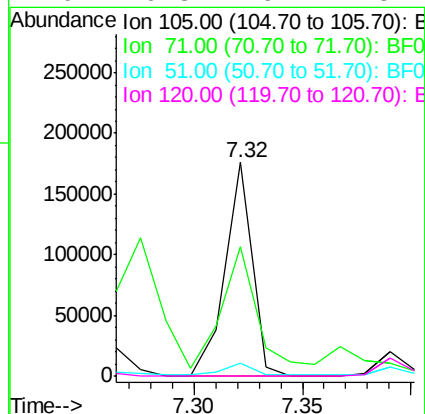
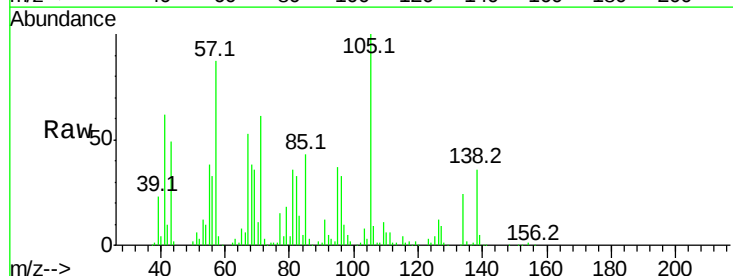
Instrument :
BNA_F
ClientSampleId :

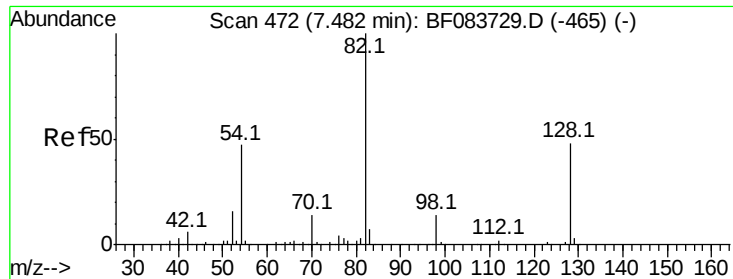
Tot Ion:136	Resp:	475152
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.7 13.1
54	6.8	7.8 11.6#
68	5.7	5.7 8.5



#22
Acetophenone
Concen: 13.05 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

Tgt Ion:105	Resp:	152122
Ion Ratio	Lower	Upper
105	100	
71	60.8	1.3 1.9#
51	5.7	23.8 35.8#
120	0.3	16.7 25.1#

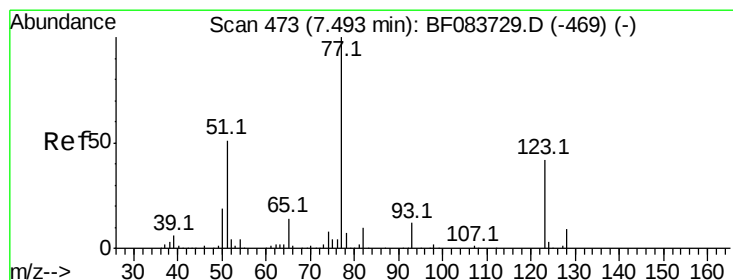
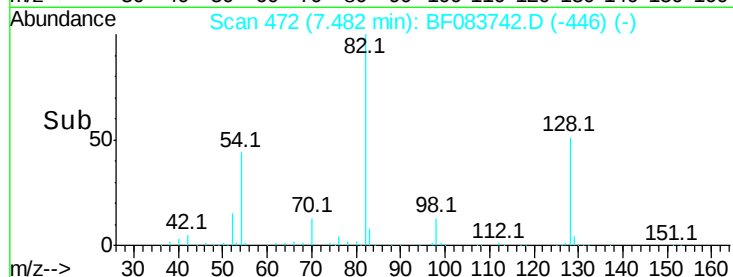
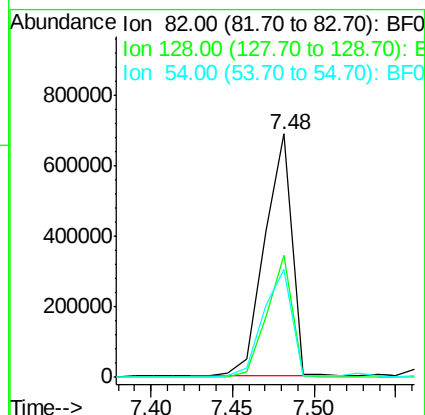
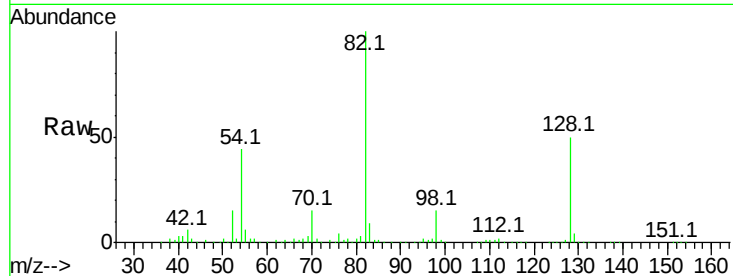




#23
 Nitrobenzene-d5
 Concen: 94.16 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: BF083742.D
 Acq: 13 Dec 2015 21:16

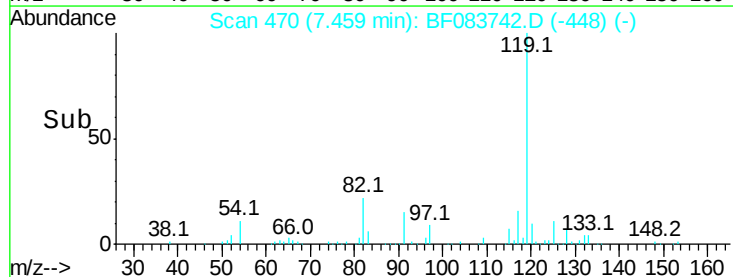
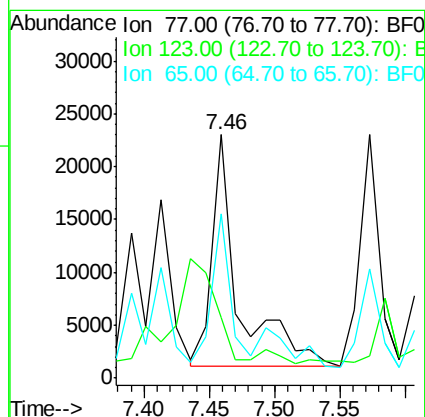
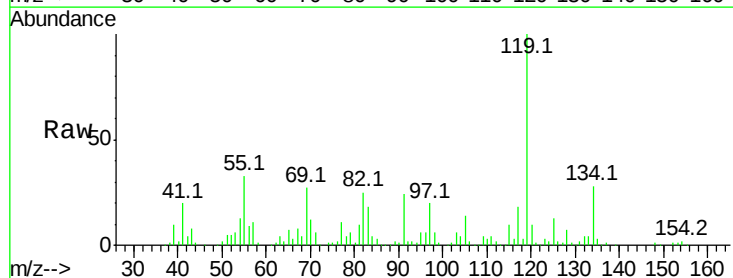
Instrument :
 BNA_F
 ClientSampled :

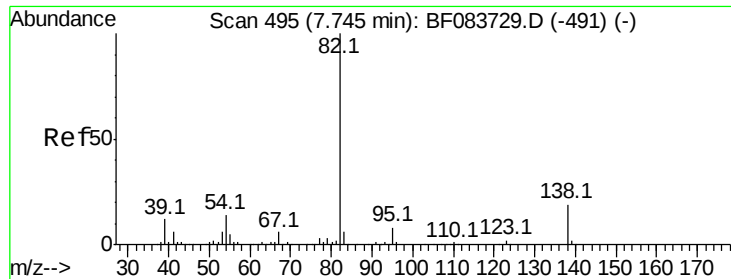
Tot Ion: 82 Resp: 799655
 Ion Ratio Lower Upper
 82 100
 128 50.2 30.7 46.1#
 54 44.3 42.5 63.7



#24
 Nitrobenzene
 Concen: 3.55 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.05 min
 Lab File: BF083742.D
 Acq: 13 Dec 2015 21:16

Tgt Ion: 77 Resp: 31349
 Ion Ratio Lower Upper
 77 100
 123 24.7 29.8 44.6#
 65 67.7 11.1 16.7#





#25

Isophorone

Concen: 1.46 ng

RT: 7.73 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampled :

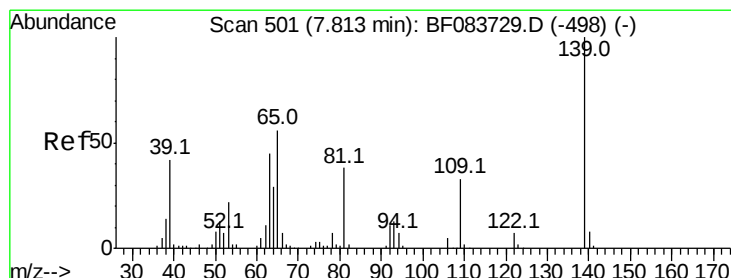
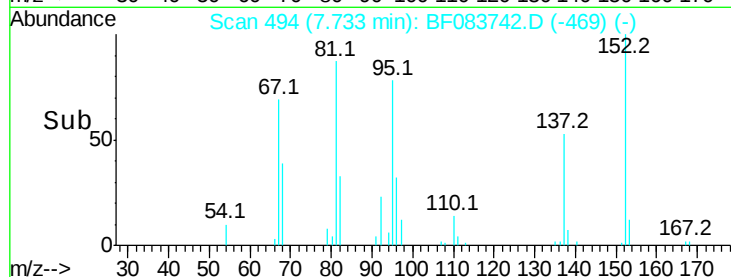
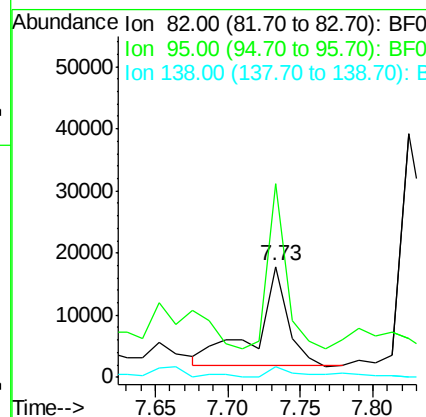
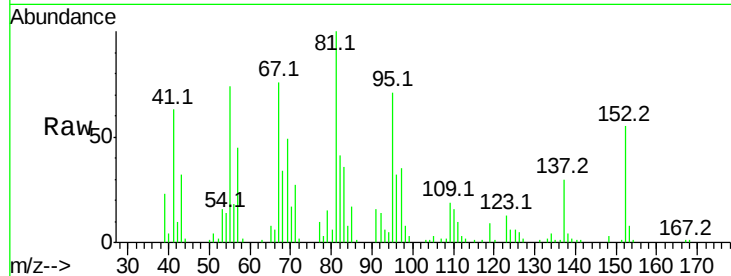
Tot Ion: 82 Resp: 24266

Ion Ratio Lower Upper

82 100

95 175.0 5.0 7.4#

138 9.2 12.1 18.1#



#26

2-Nitrophenol

Concen: 0.74 ng

RT: 7.85 min Scan# 504

Delta R.T. 0.02 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

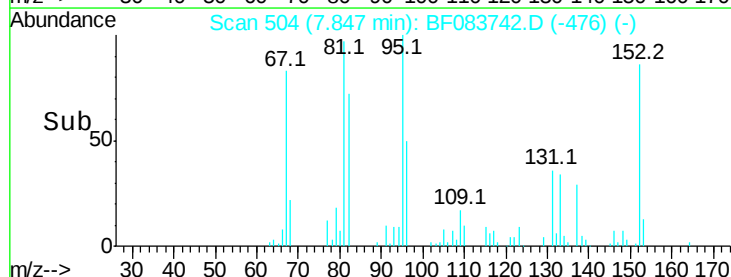
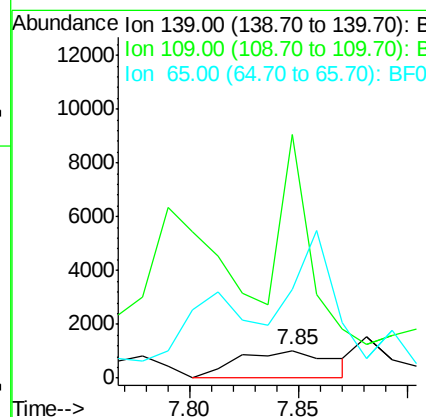
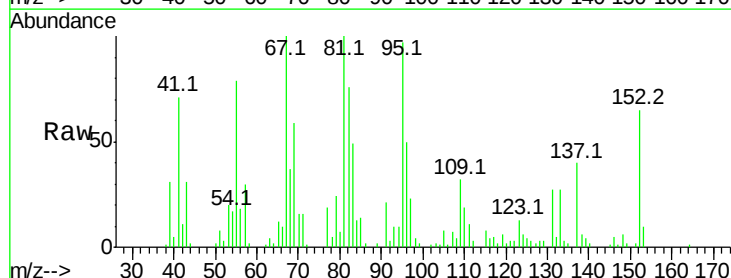
Tgt Ion: 139 Resp: 3124

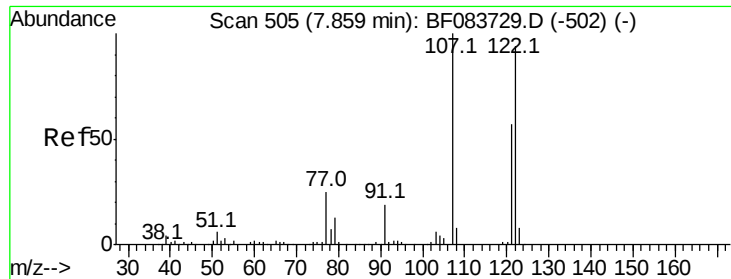
Ion Ratio Lower Upper

139 100

109 889.5 22.7 34.1#

65 325.0 51.8 77.8#





#27

2,4-Dimethylphenol

Concen: 0.41 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.01 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampled :

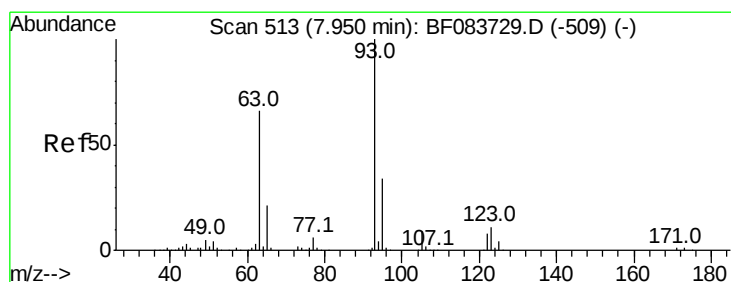
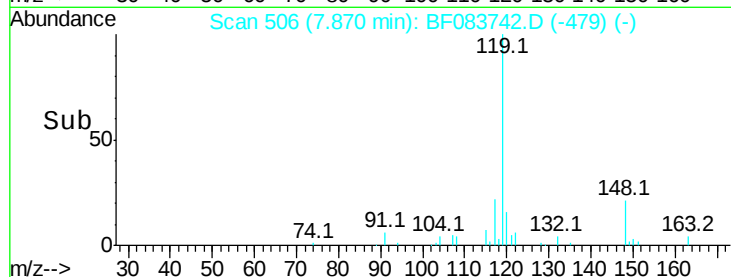
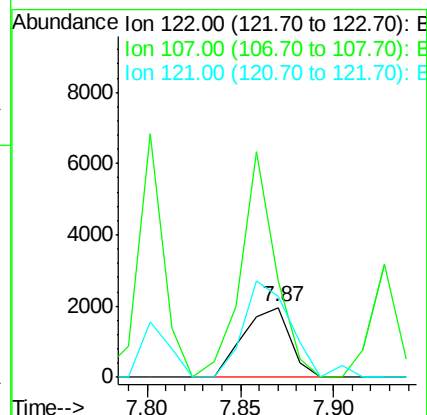
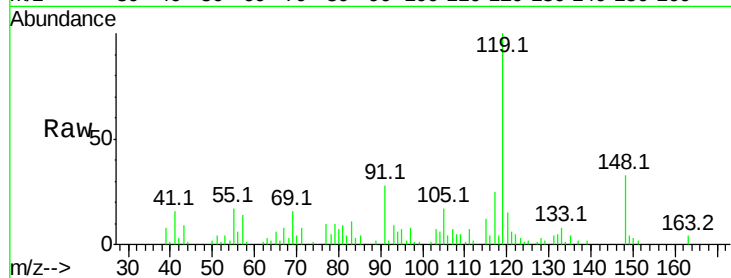
Tot Ion:122 Resp: 3416

Ion Ratio Lower Upper

122 100

107 137.9 92.4 138.6

121 115.2 45.8 68.6#



#28

bis(2-Chloroethoxy)methane

Concen: 0.16 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

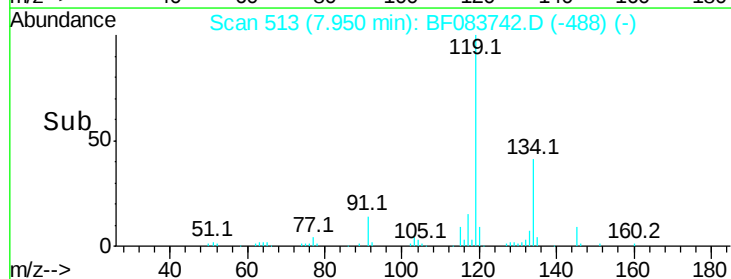
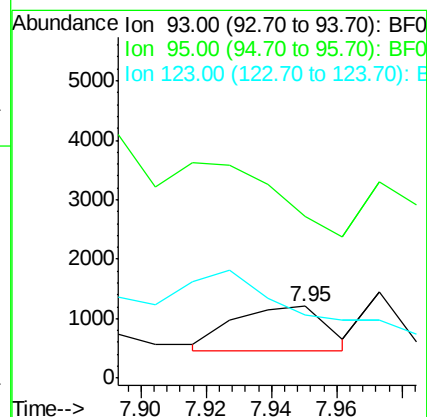
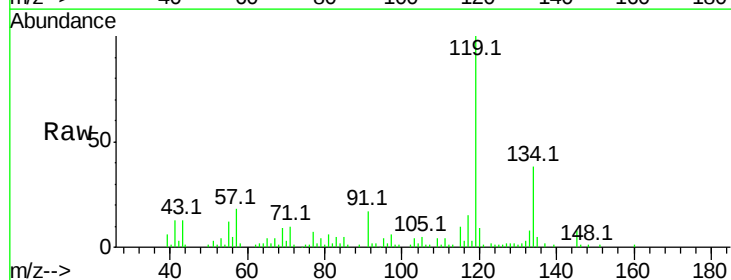
Tgt Ion: 93 Resp: 1492

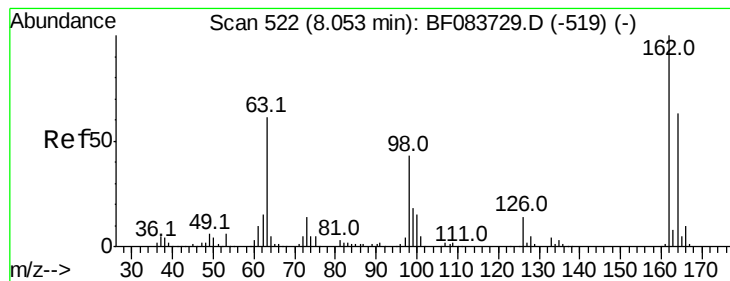
Ion Ratio Lower Upper

93 100

95 224.5 25.6 38.4#

123 88.2 7.3 10.9#





#29

2,4-Dichlorophenol

Concen: 0.21 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampled :

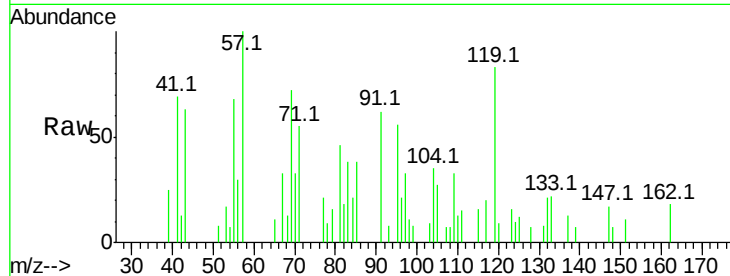
Tot Ion:162 Resp: 1415

Ion Ratio Lower Upper

162 100

164 0.0 43.4 83.4#

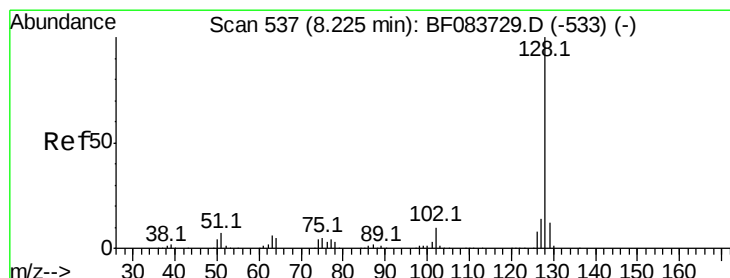
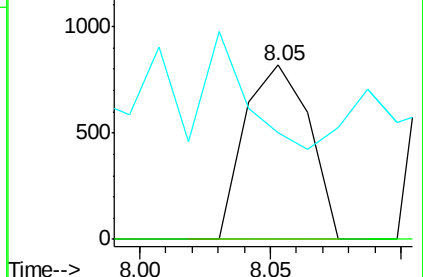
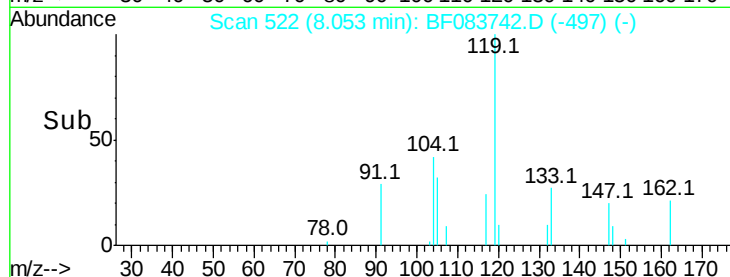
98 60.9 17.5 57.5#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#31

Naphthalene

Concen: 1.22 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

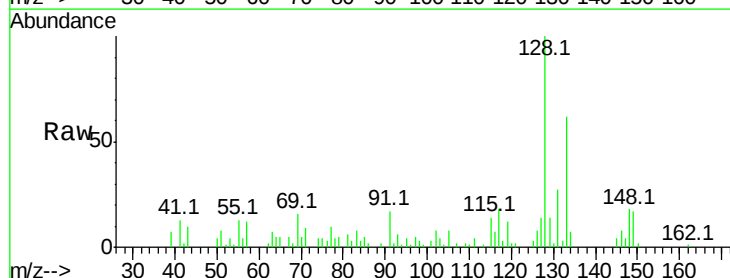
Tgt Ion:128 Resp: 30140

Ion Ratio Lower Upper

128 100

129 13.6 8.6 13.0#

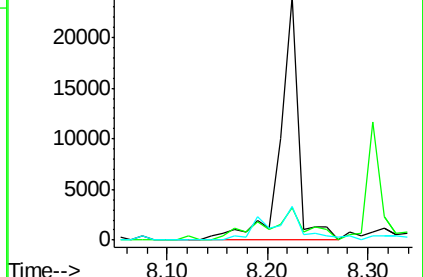
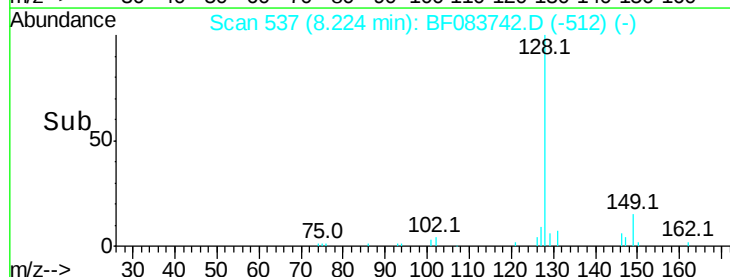
127 13.6 10.6 16.0

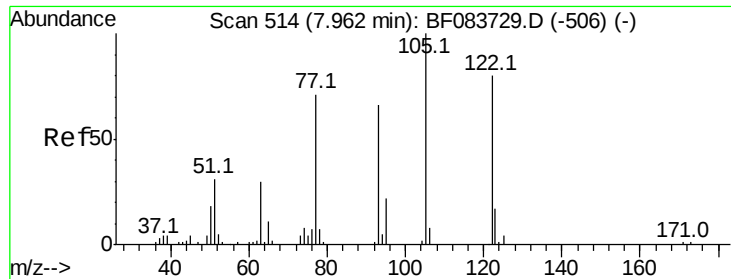


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

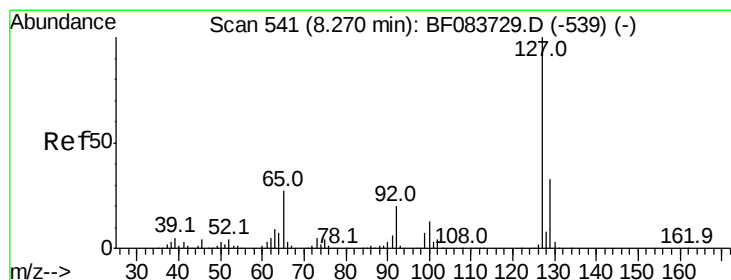
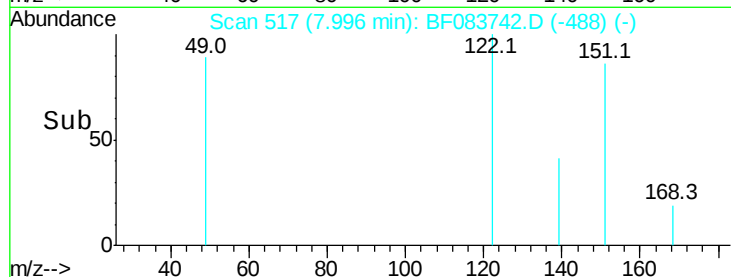
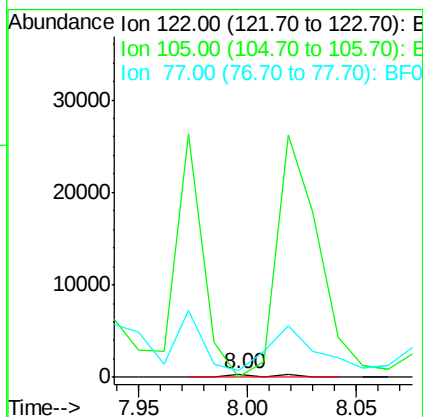
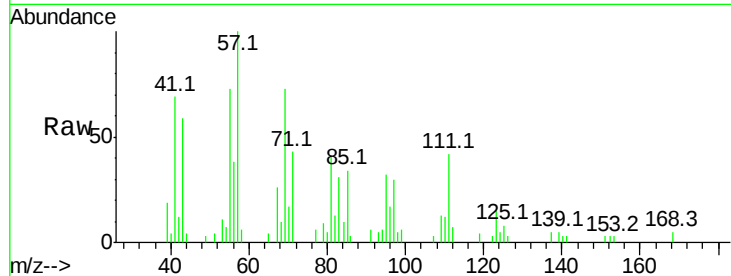




#32
Benzoic acid
Concen: 0.09 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.03 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

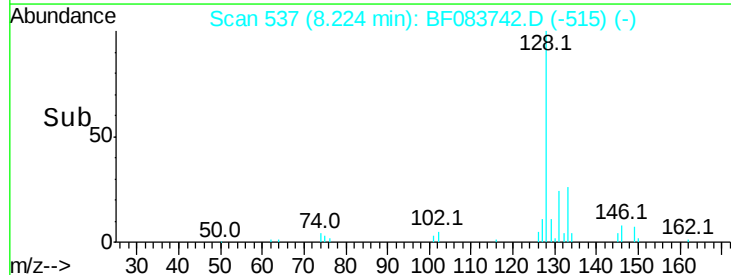
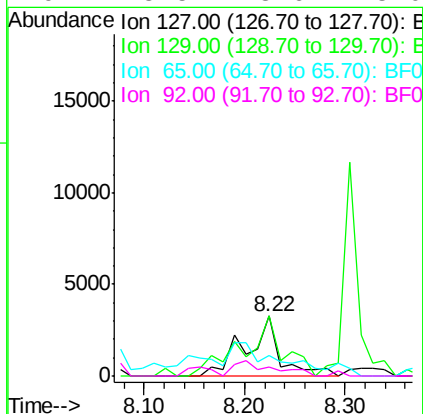
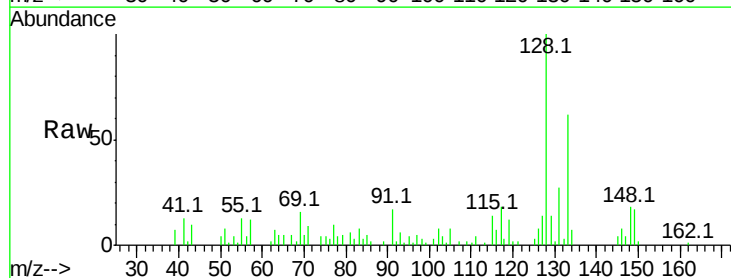
Instrument :
BNA_F
ClientSampleId :

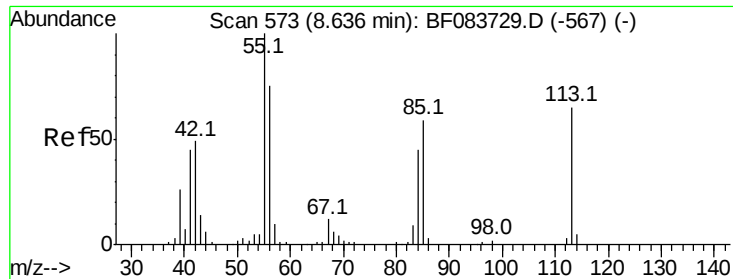
Tot Ion:122 Resp: 471
Ion Ratio Lower Upper
122 100
105 0.0 105.6 145.6#
77 183.9 86.8 126.8#



#33
4-Chloroaniline
Concen: 0.77 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.05 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

Tgt Ion:127 Resp: 7759
Ion Ratio Lower Upper
127 100
129 99.4 26.1 39.1#
65 33.8 33.5 50.3
92 15.5 18.6 28.0#





#35

Caprolactam

Concen: 0.51 ng

RT: 8.64 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :
BNA_F
ClientSampled :

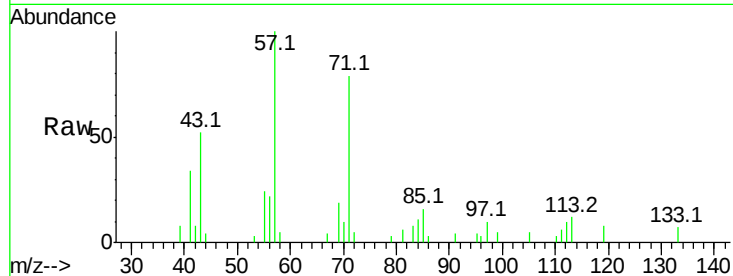
Tot Ion:113 Resp: 1119

Ion Ratio Lower Upper

113 100

55 198.9 189.7 229.7

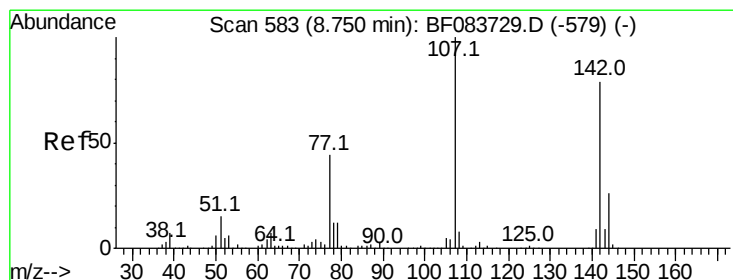
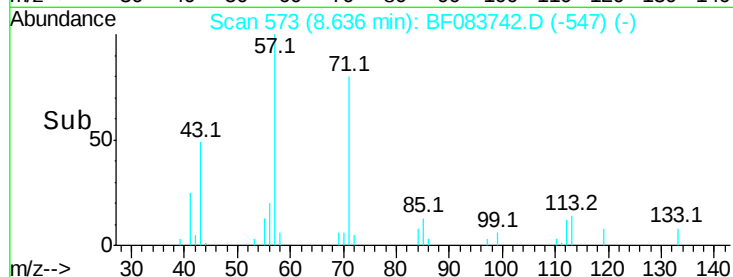
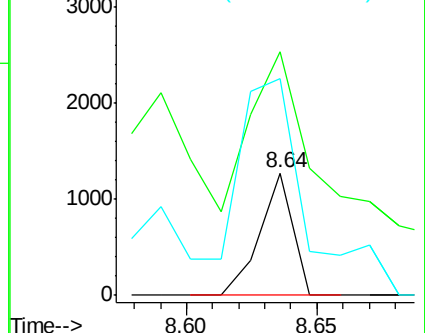
56 177.2 130.7 170.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 0.05 ng

RT: 8.67 min Scan# 576

Delta R.T. -0.08 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

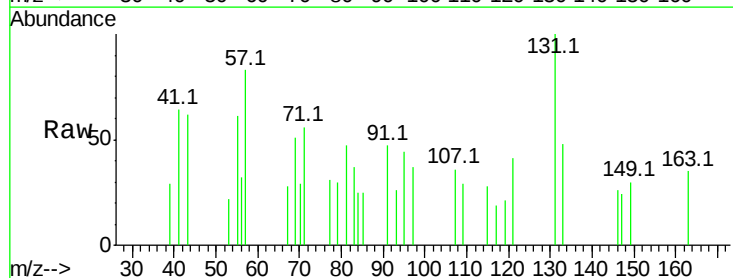
Tgt Ion:107 Resp: 392

Ion Ratio Lower Upper

107 100

144 0.0 17.5 26.3#

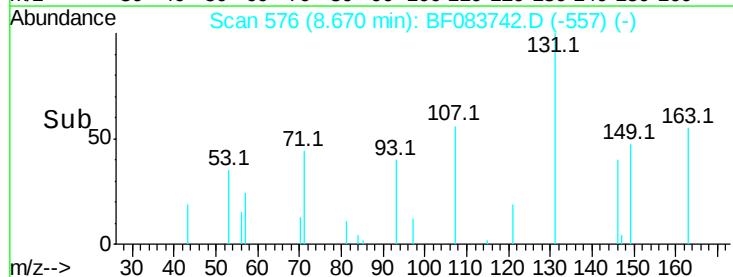
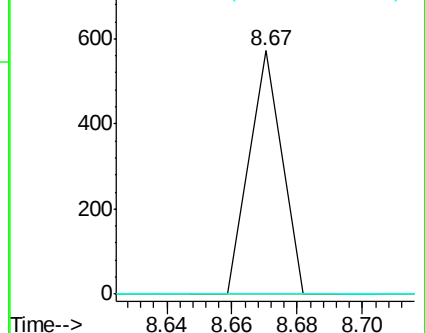
142 0.0 53.6 80.4#

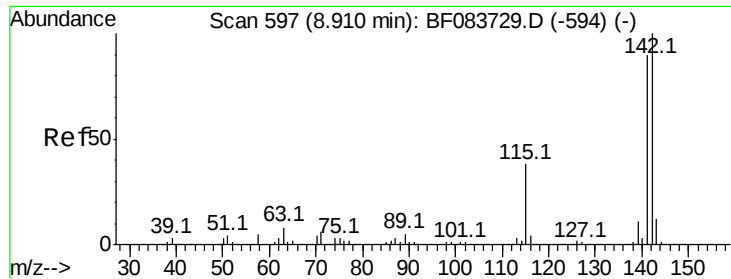


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

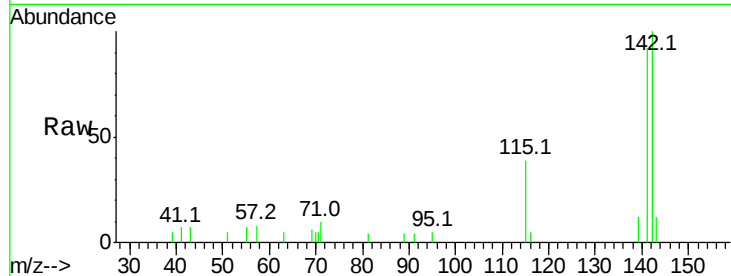




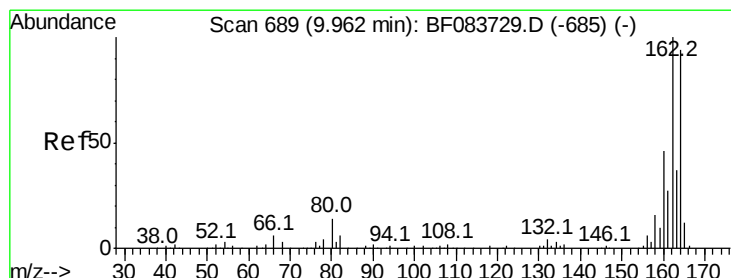
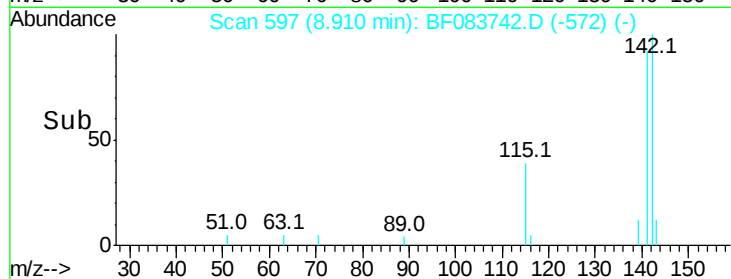
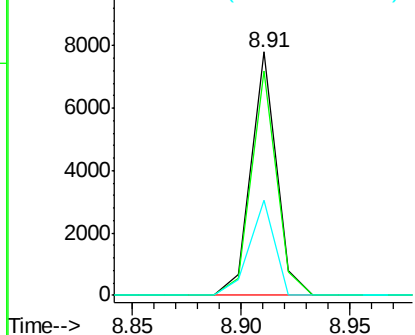
#37
2-Methylnaphthalene
Concen: 0.41 ng
RT: 8.91 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 6360
Ion Ratio Lower Upper
142 100
141 92.3 70.3 105.5
115 39.3 29.2 43.8

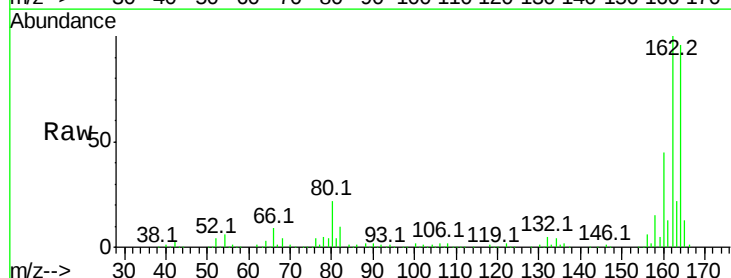


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

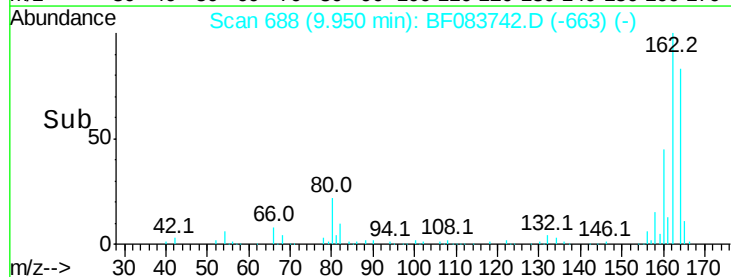
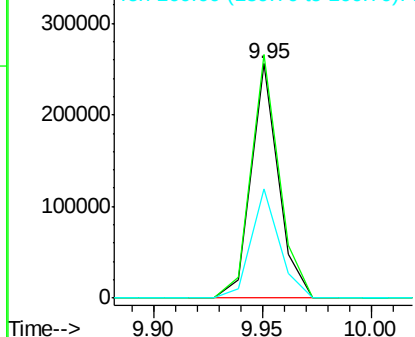


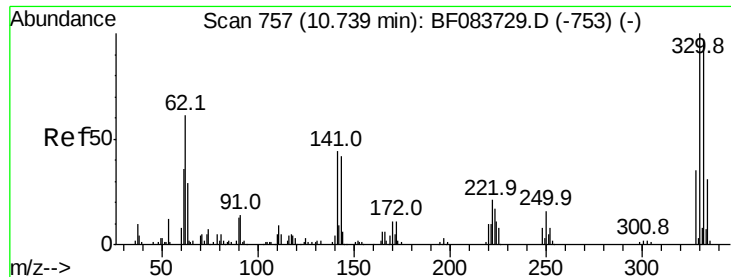
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

Tgt Ion:164 Resp: 222644
Ion Ratio Lower Upper
164 100
162 104.0 78.8 118.2
160 46.6 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

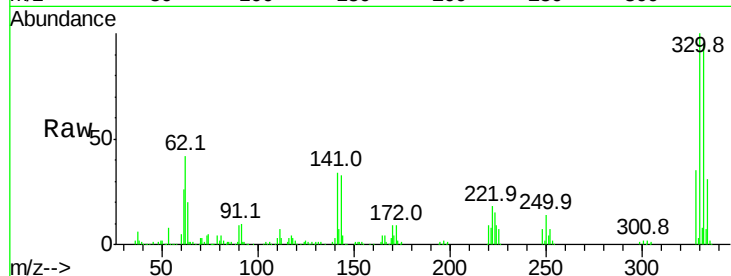




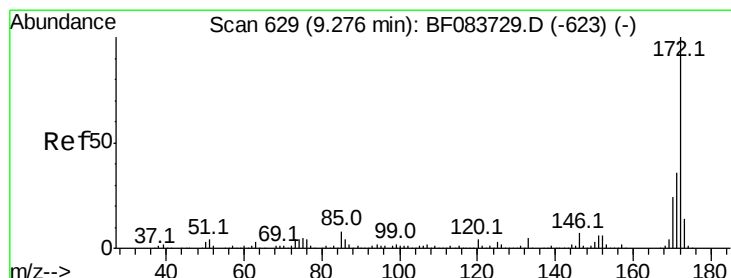
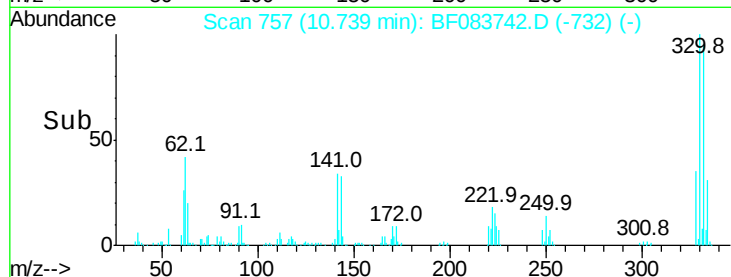
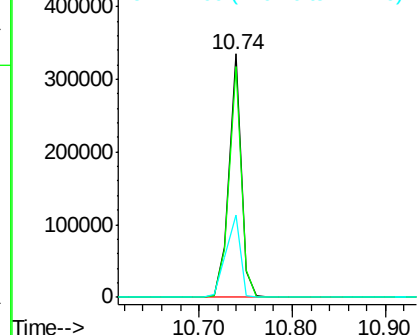
#41
 2,4,6-Tribromophenol
 Concen: 135.02 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF083742.D
 Acq: 13 Dec 2015 21:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	38.8	0.0	0.0#

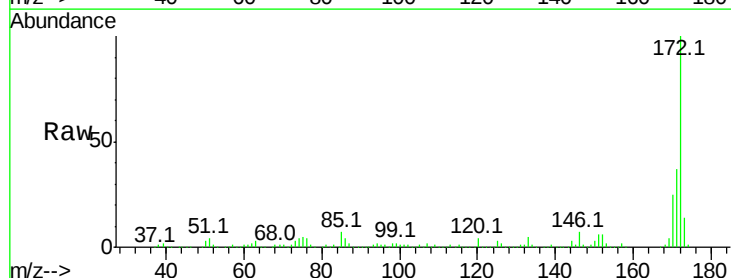


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

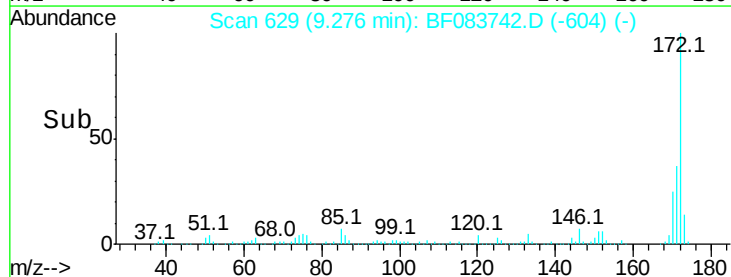
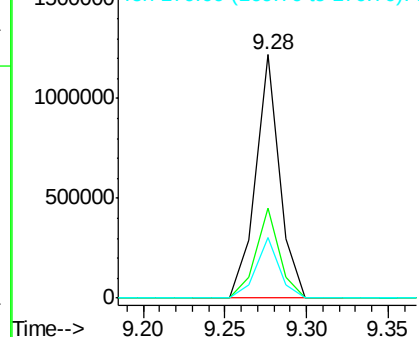


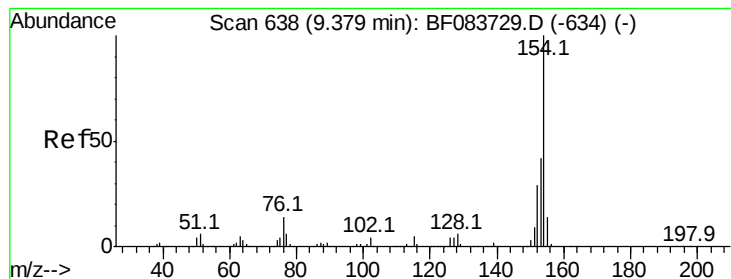
#44
 2-Fluorobiphenyl
 Concen: 80.82 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF083742.D
 Acq: 13 Dec 2015 21:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.6	42.8
170	24.8	19.4	29.0



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





#45

1,1'-Biphenyl

Concen: 0.02 ng

RT: 9.38 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampleId :

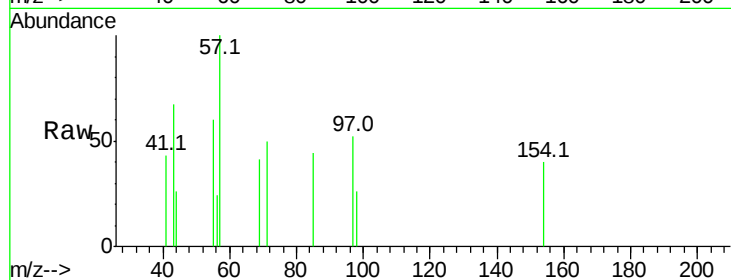
Tot Ion:154 Resp: 348

Ion Ratio Lower Upper

154 100

153 0.0 20.2 60.2#

76 0.0 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

9.38

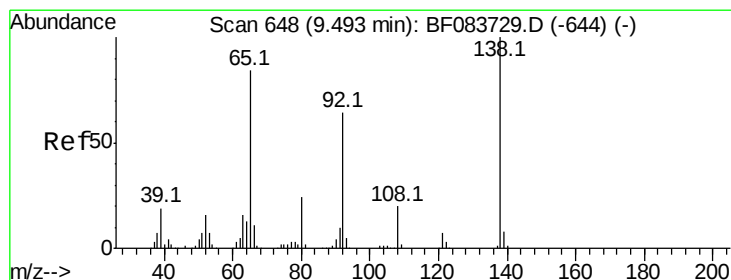
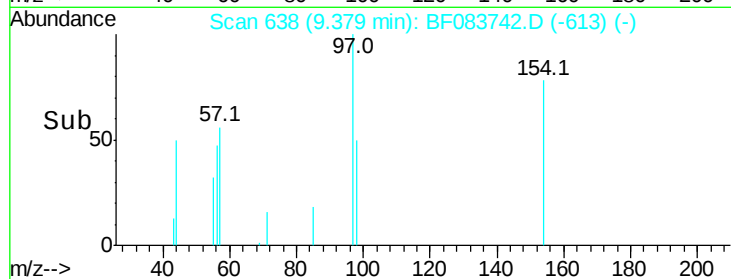
400

200

0

9.34 9.36 9.38 9.40

Time-->



#47

2-Nitroaniline

Concen: 0.81 ng

RT: 9.66 min Scan# 663

Delta R.T. 0.17 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

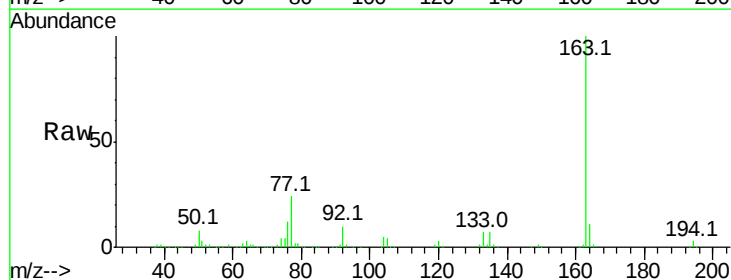
Tgt Ion: 65 Resp: 3329

Ion Ratio Lower Upper

65 100

92 925.5 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

50000

40000

30000

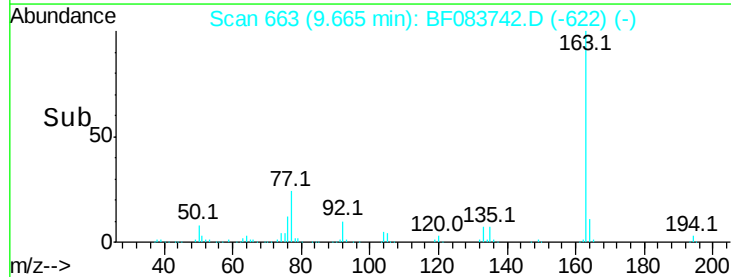
20000

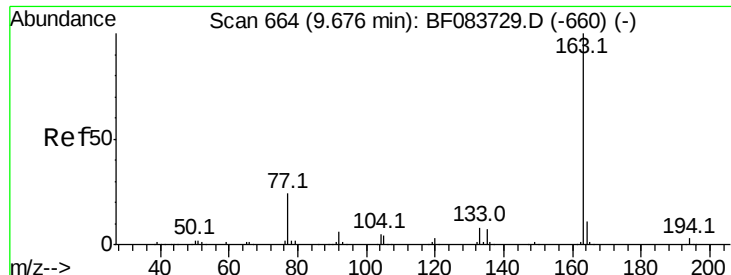
10000

0

9.60 9.65 9.70

Time-->





#49

Dimethylphthalate

Concen: 18.64 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampleId :

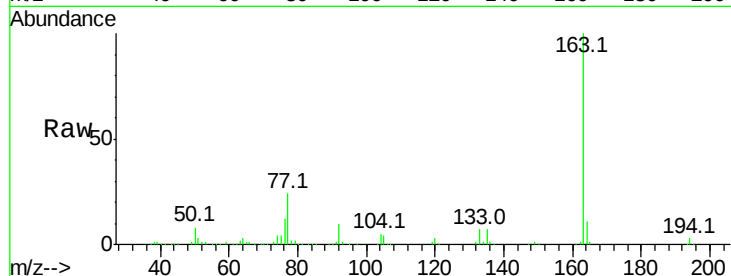
Tot Ion:163 Resp: 323609

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

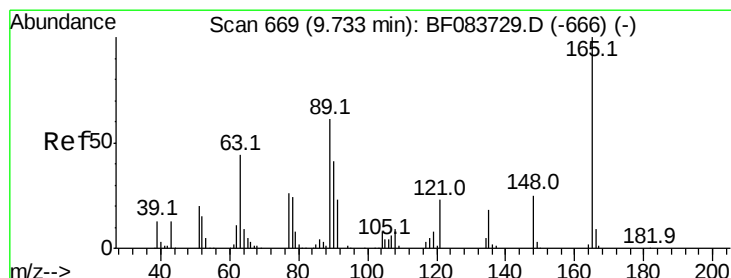
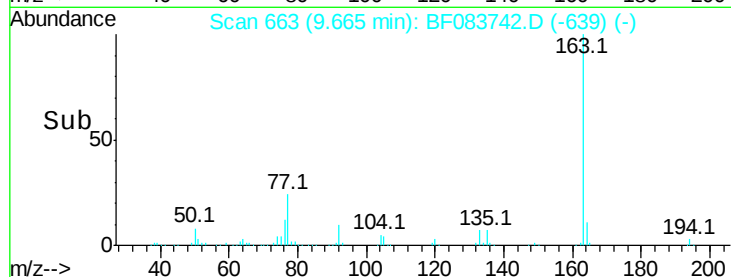
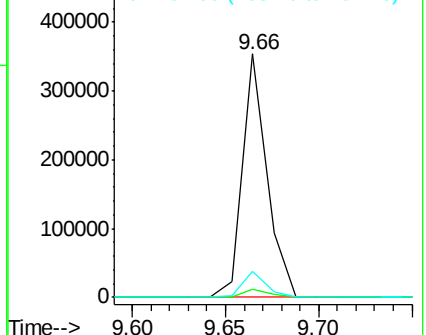
164 10.7 8.6 13.0



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: 1.04 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.08 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

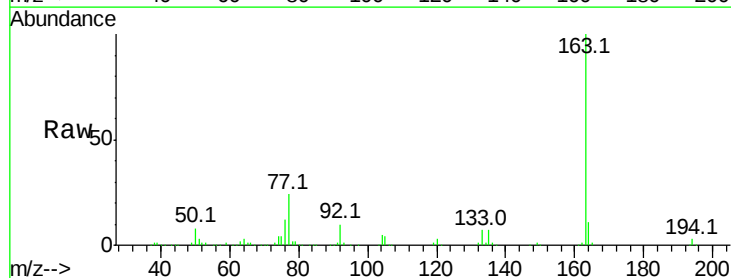
Tgt Ion:165 Resp: 3813

Ion Ratio Lower Upper

165 100

63 154.3 56.9 85.3#

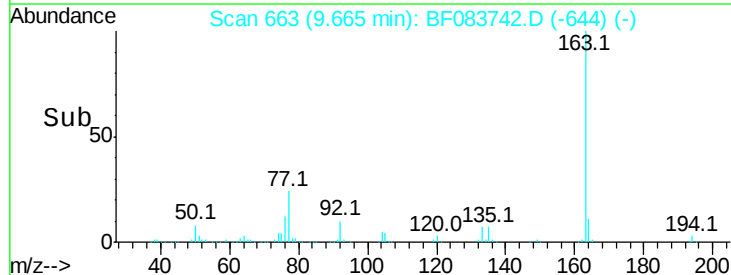
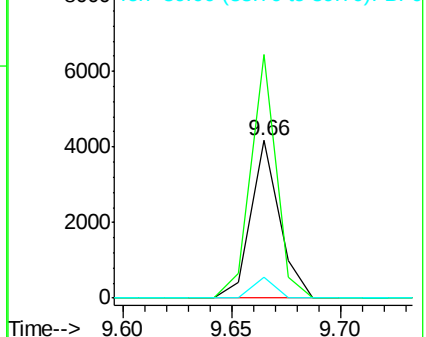
89 12.9 52.1 78.1#

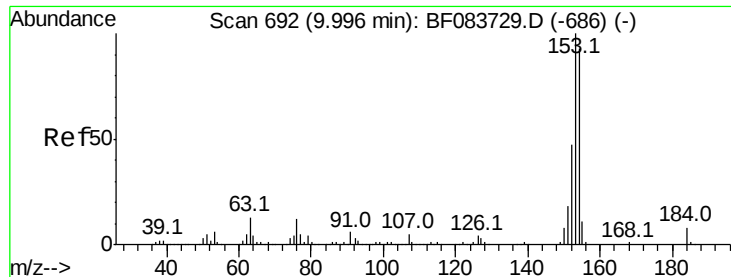


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.07 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.05 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampleId :

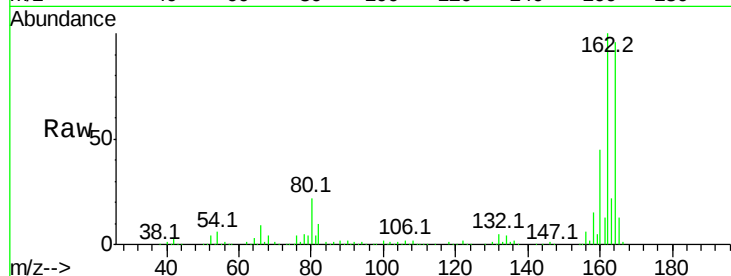
Tot Ion:154 Resp: 982

Ion Ratio Lower Upper

154 100

153 0.0 91.4 137.0#

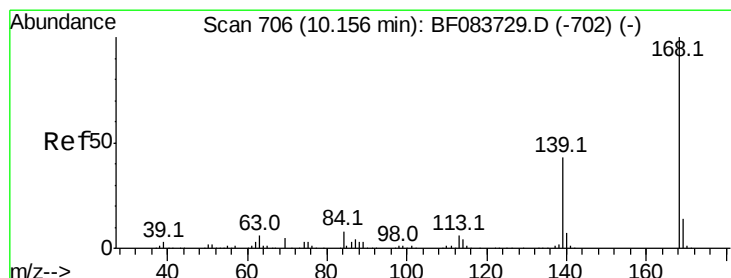
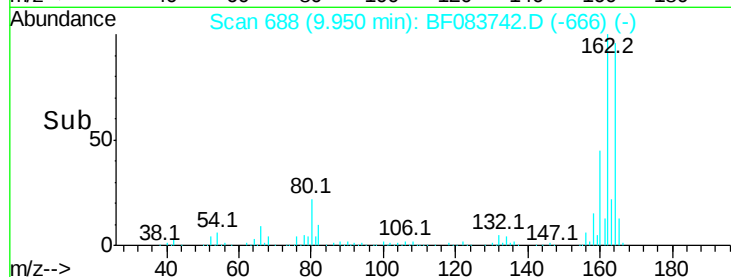
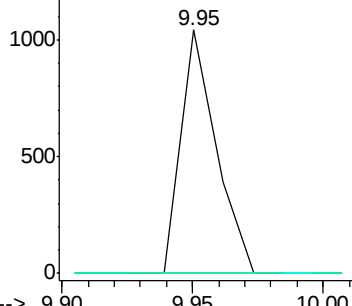
152 0.0 43.4 65.2#



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: BF083742.D

Acq: 13 Dec 2015 21:16

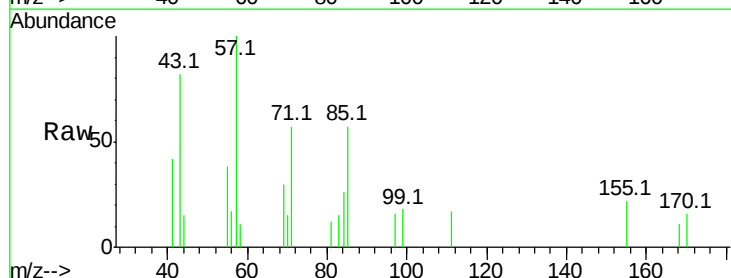
Tgt Ion:168 Resp: 208

Ion Ratio Lower Upper

168 100

139 0.0 28.0 42.0#

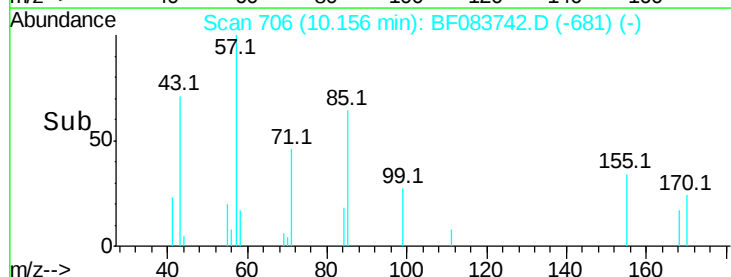
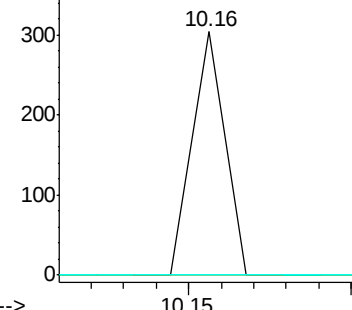
169 0.0 10.8 16.2#

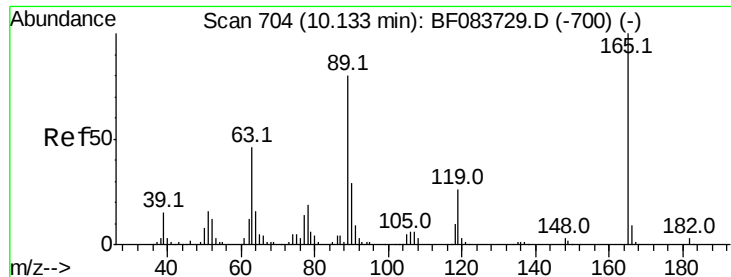


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

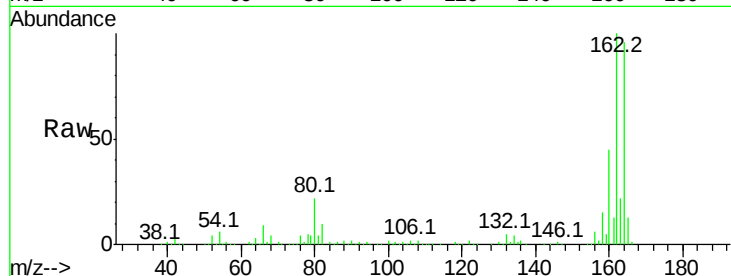




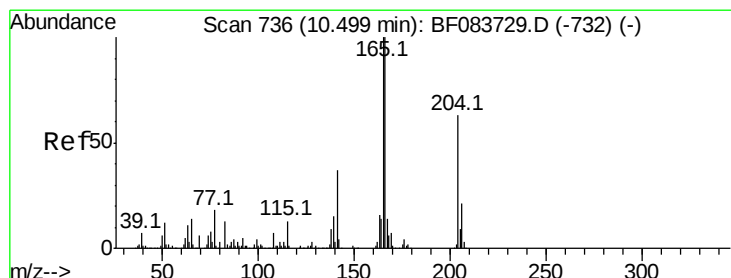
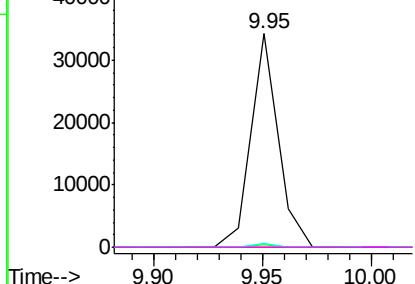
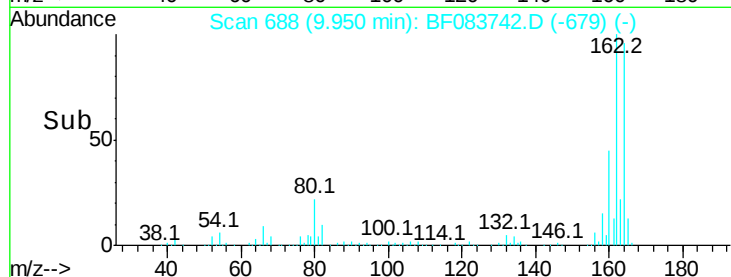
#56
2,4-Dinitrotoluene
Concen: 6.22 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.19 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 29917
Ion Ratio Lower Upper
165 100
63 1.1 51.4 77.2#
89 1.5 72.6 108.8#
182 0.0 1.4 2.0#

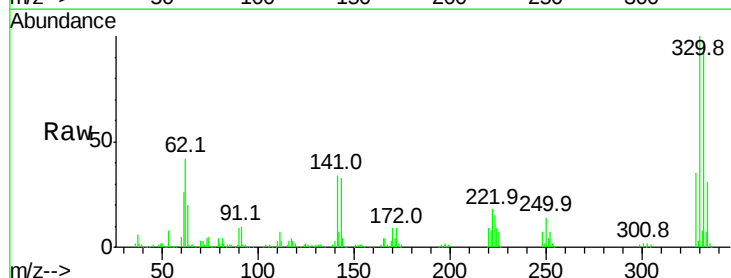


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

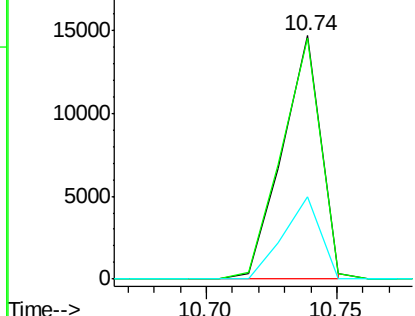
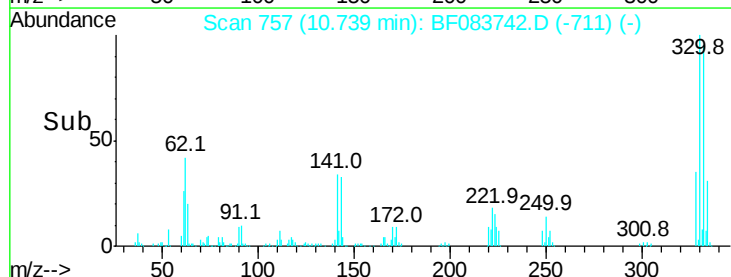


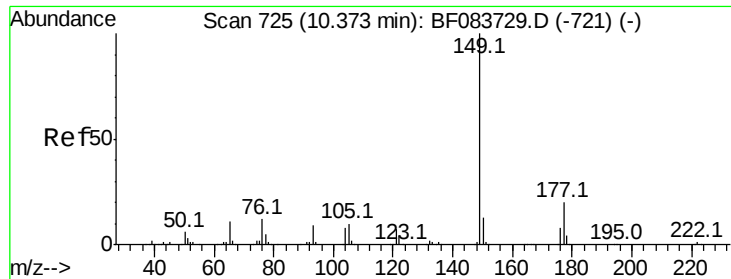
#57
Fluorene
Concen: 0.98 ng
RT: 10.74 min Scan# 757
Delta R.T. 0.23 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

Tgt Ion:166 Resp: 15116
Ion Ratio Lower Upper
166 100
165 99.2 80.0 120.0
167 33.9 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

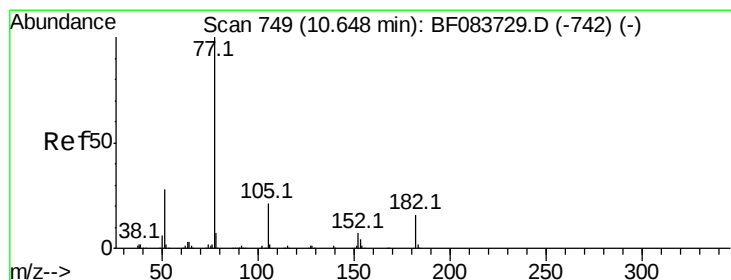
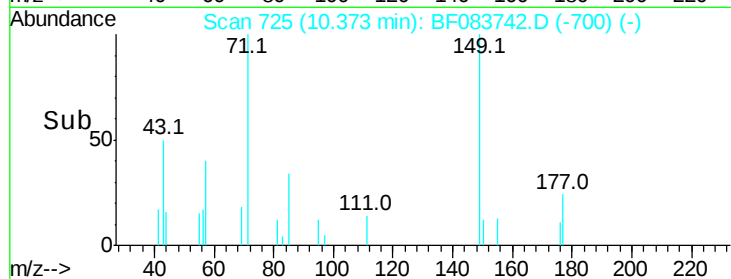
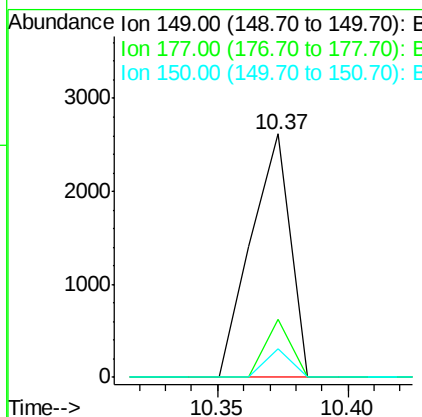
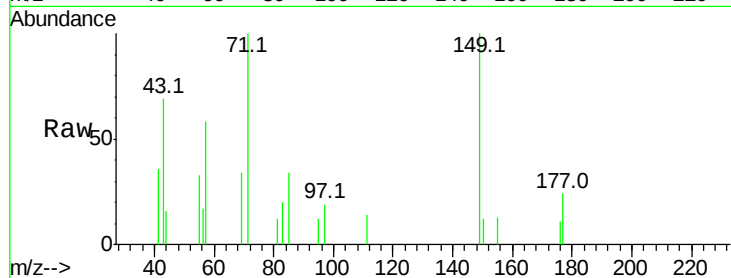




#59
Diethylphthalate
Concen: 0.16 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

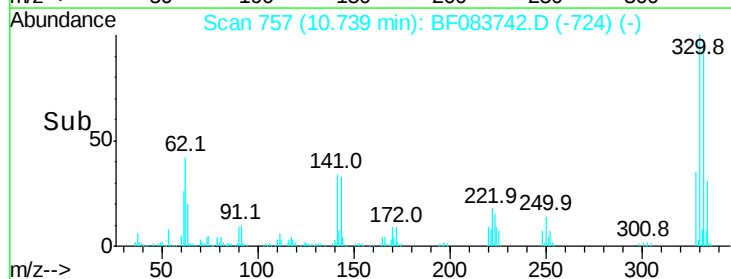
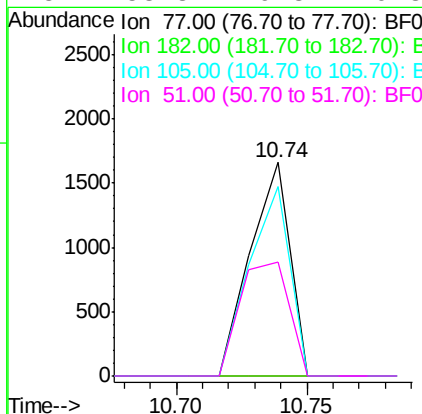
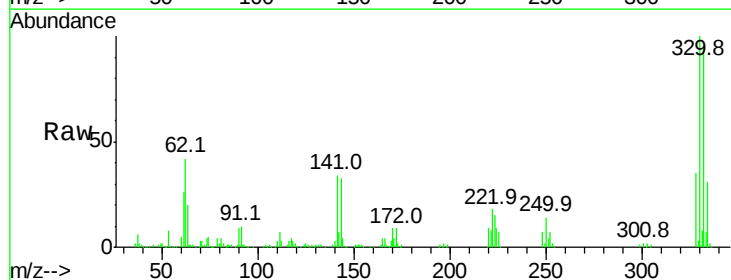
Instrument :
BNA_F
ClientSampleId :

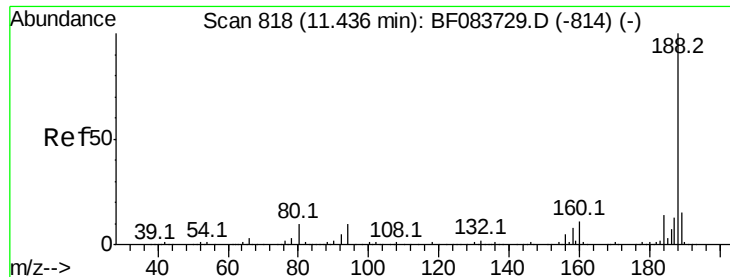
Tot Ion:149 Resp: 2759
Ion Ratio Lower Upper
149 100
177 23.6 16.9 25.3
150 11.8 10.2 15.4



#62
Azobenzene
Concen: 0.11 ng
RT: 10.74 min Scan# 757
Delta R.T. 0.08 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

Tgt Ion: 77 Resp: 1784
Ion Ratio Lower Upper
77 100
182 0.0 2.5 42.5#
105 88.7 2.1 42.1#
51 53.3 9.3 49.3#

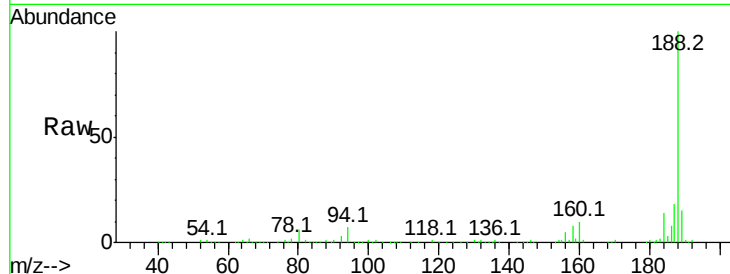




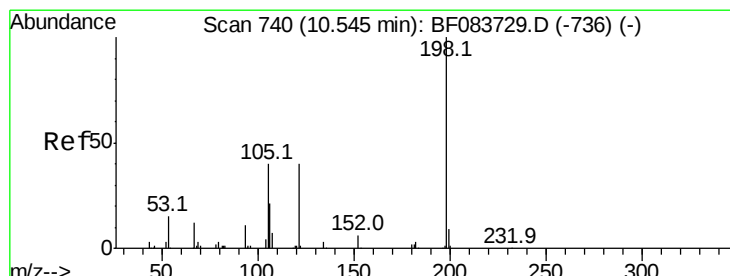
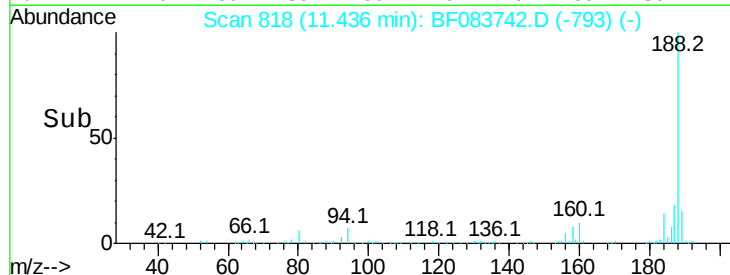
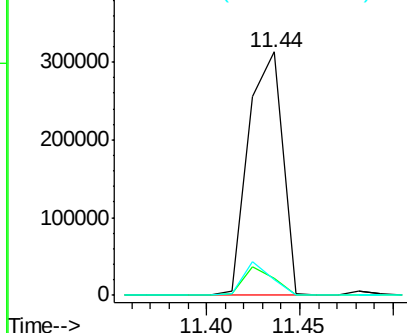
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF083742.D
 Acq: 13 Dec 2015 21:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 396968
 Ion Ratio Lower Upper
 188 100
 94 7.0 9.4 14.2#
 80 6.3 10.6 16.0#

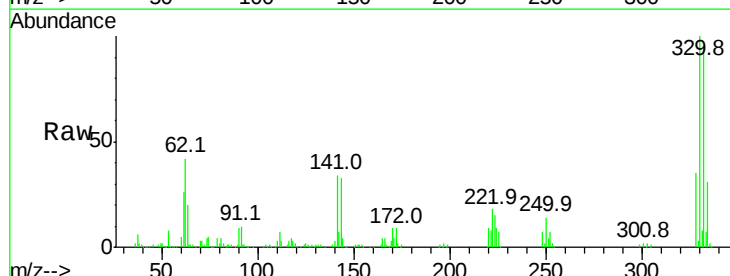


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

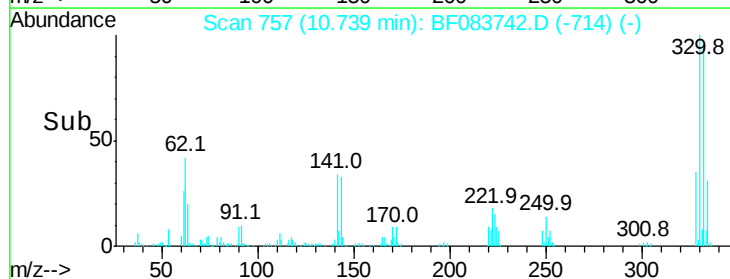
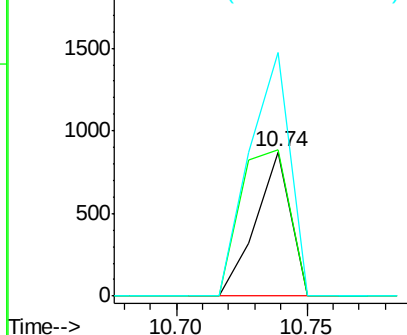


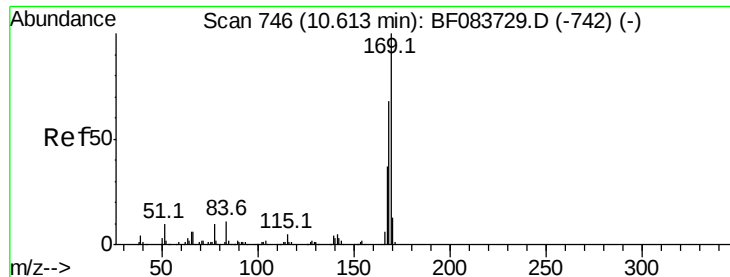
#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.36 ng
 RT: 10.74 min Scan# 757
 Delta R.T. 0.20 min
 Lab File: BF083742.D
 Acq: 13 Dec 2015 21:16

Tgt Ion:198 Resp: 817
 Ion Ratio Lower Upper
 198 100
 51 101.5 53.8 93.8#
 105 168.9 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: 0.78 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.13 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampleId :

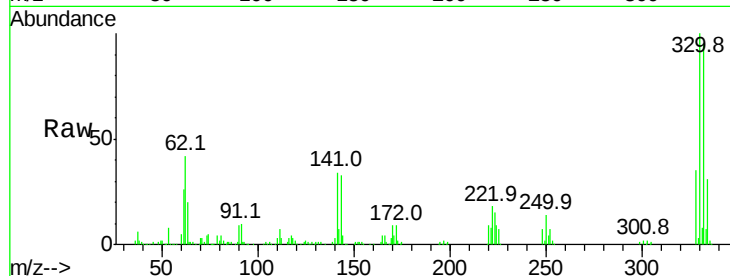
Tot Ion:169 Resp: 10561

Ion Ratio Lower Upper

169 100

168 7.4 53.0 79.6#

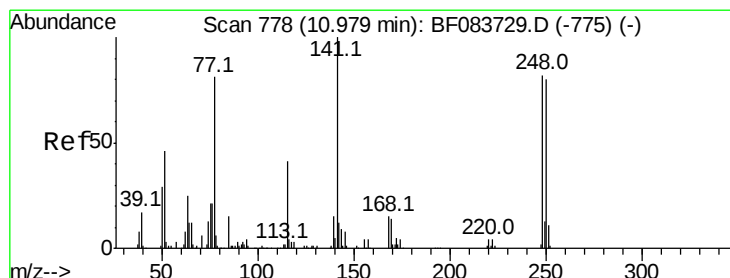
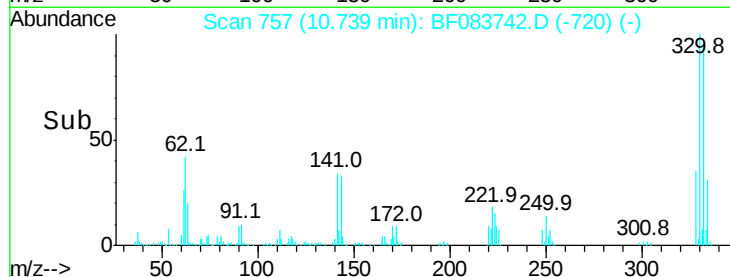
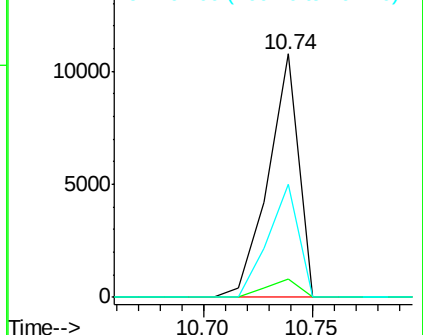
167 46.2 29.3 43.9#



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: 4.84 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.25 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

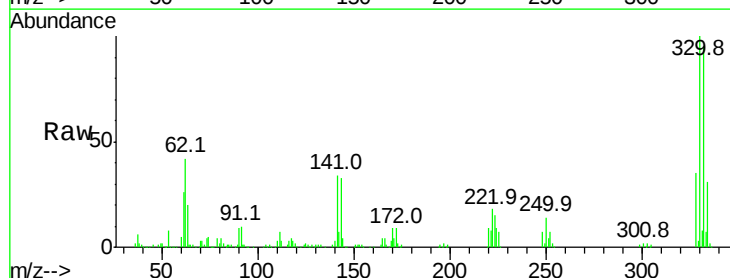
Tgt Ion:248 Resp: 21505

Ion Ratio Lower Upper

248 100

250 201.9 79.2 118.8#

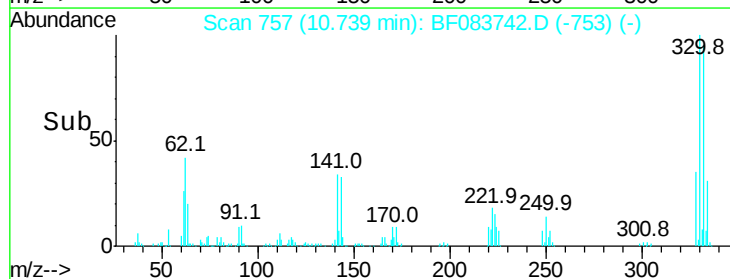
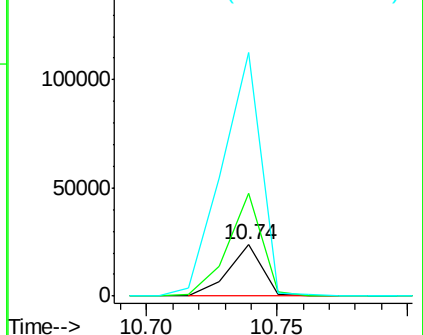
141 476.1 58.2 87.4#

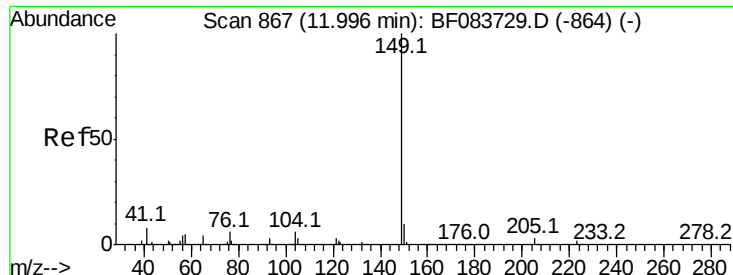


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#73

Di-n-butylphthalate

Concen: 0.05 ng

RT: 12.00 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampleId :

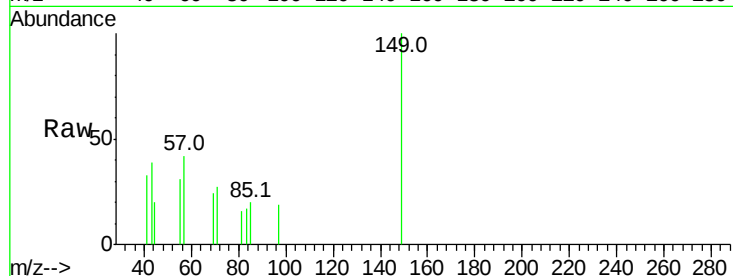
Tot Ion:149 Resp: 1283

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

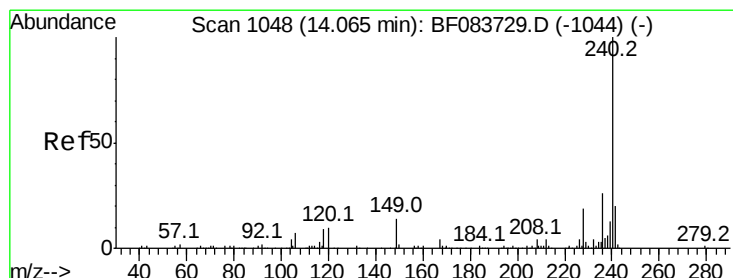
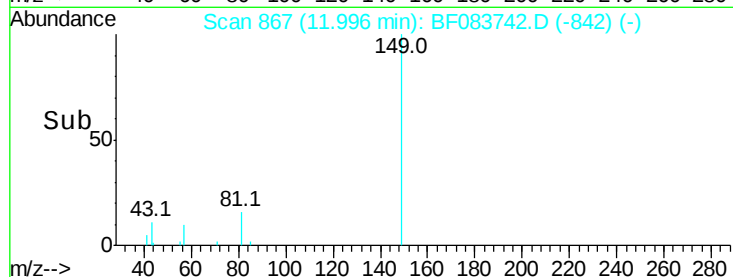
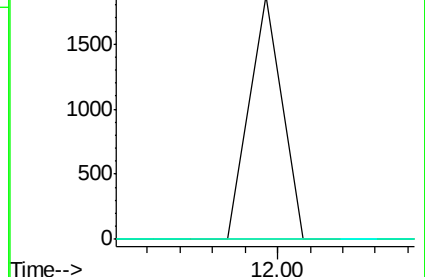
104 0.0 3.9 5.9#



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: BF083742.D

Acq: 13 Dec 2015 21:16

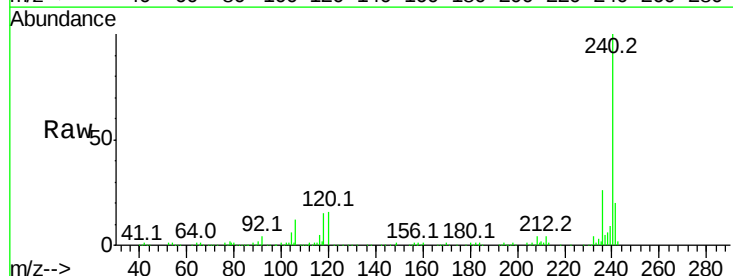
Tgt Ion:240 Resp: 262357

Ion Ratio Lower Upper

240 100

120 15.8 8.1 12.1#

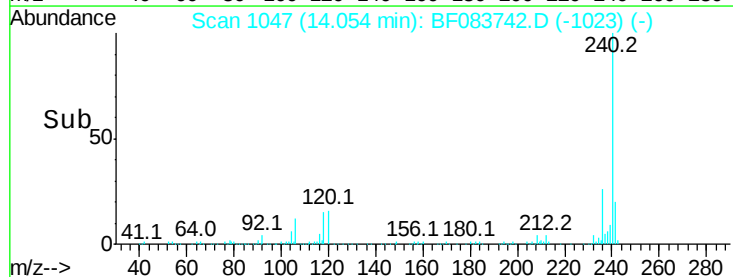
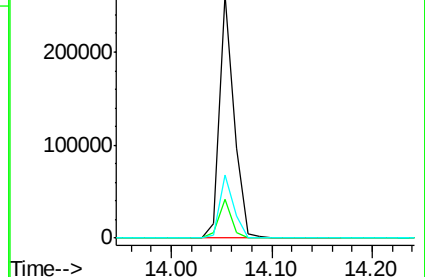
236 26.1 20.8 31.2

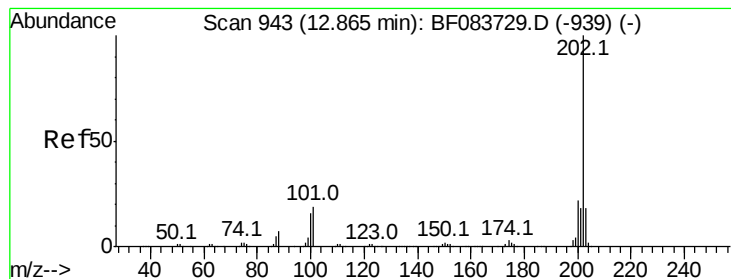


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 0.16 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.14 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampleId :

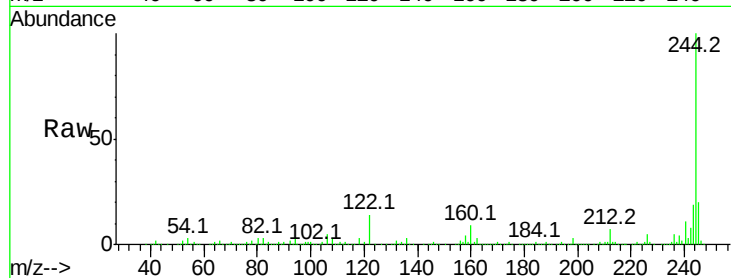
Tot Ion:202 Resp: 3360

Ion Ratio Lower Upper

202 100

200 49.6 16.7 25.1#

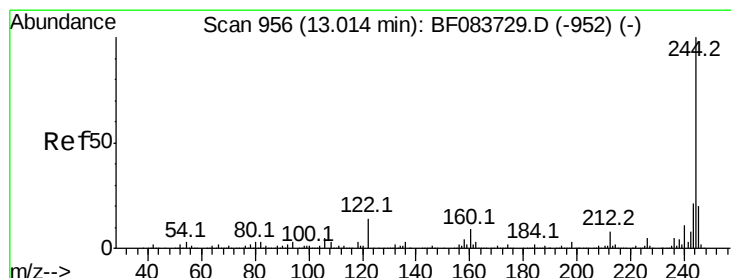
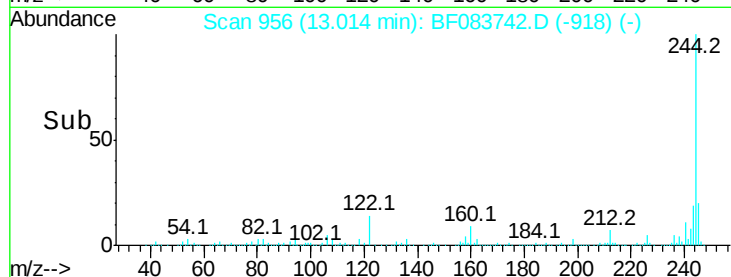
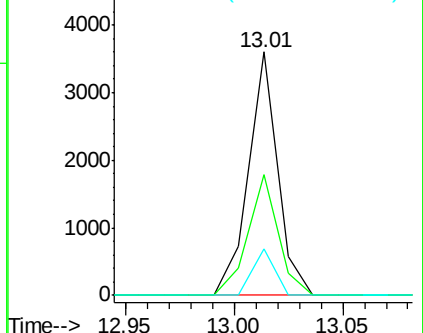
203 18.9 14.3 21.5



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: 82.33 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

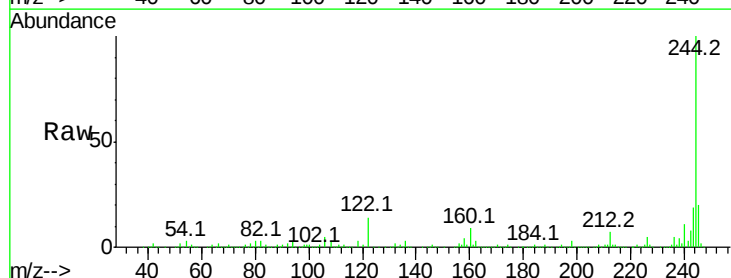
Tgt Ion:244 Resp: 1004106

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

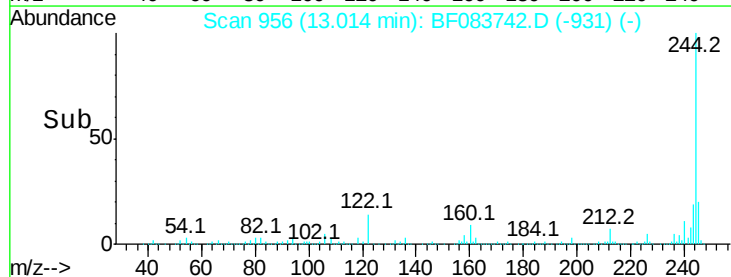
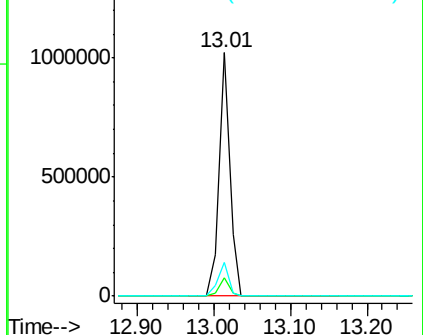
122 13.7 11.0 16.6

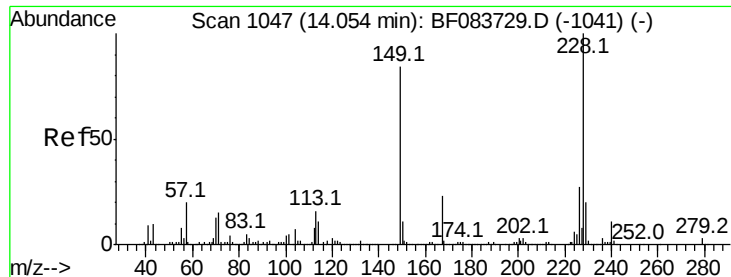


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 0.03 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampleId :

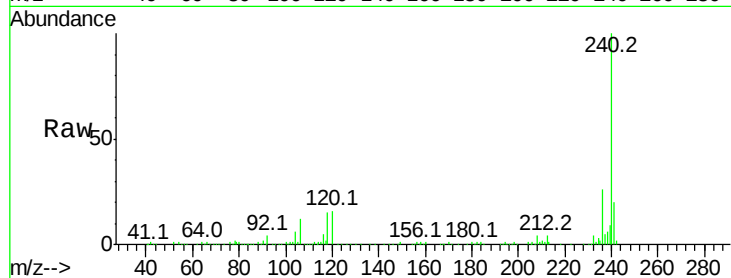
Tot Ion:228 Resp: 419

Ion Ratio Lower Upper

228 100

226 0.0 22.3 33.5#

229 0.0 15.7 23.5#

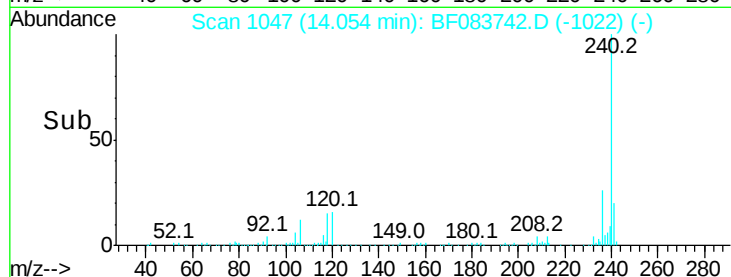


Abundance Ion 228.00 (227.70 to 228.70): E

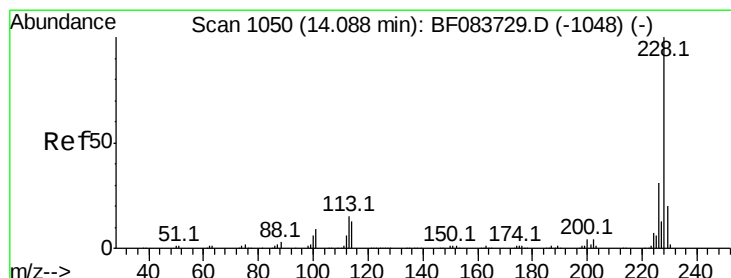
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

14.05



Time-->



#82

Chrysene

Concen: 0.03 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.05 min

Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

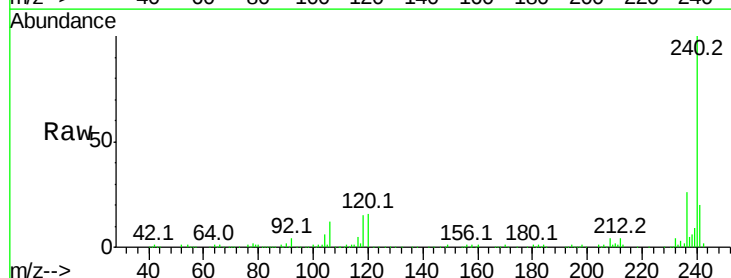
Tgt Ion:228 Resp: 419

Ion Ratio Lower Upper

228 100

226 0.0 24.7 37.1#

229 0.0 16.3 24.5#

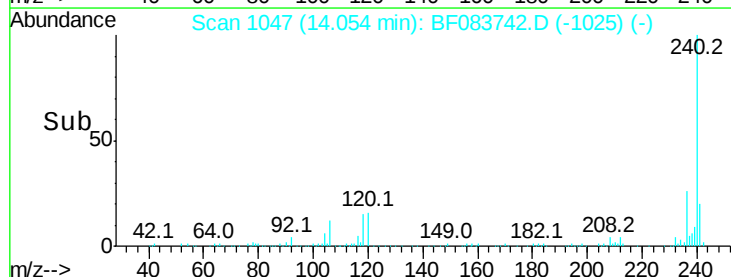


Abundance Ion 228.00 (227.70 to 228.70): E

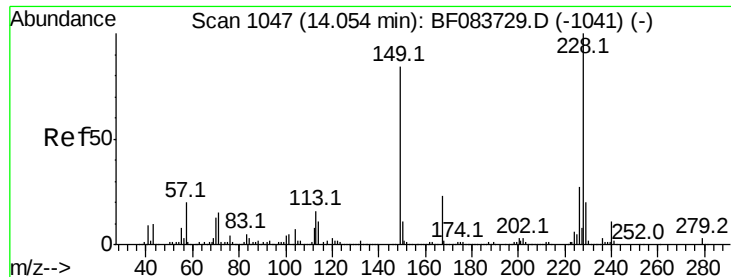
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

14.05



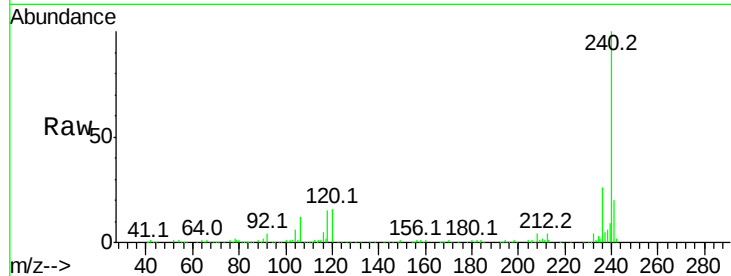
Time-->



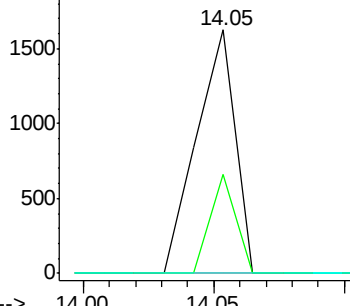
#83
Bis(2-ethylhexyl)phthalate
Concen: 0.17 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

Instrument :
BNA_F
ClientSampleId :

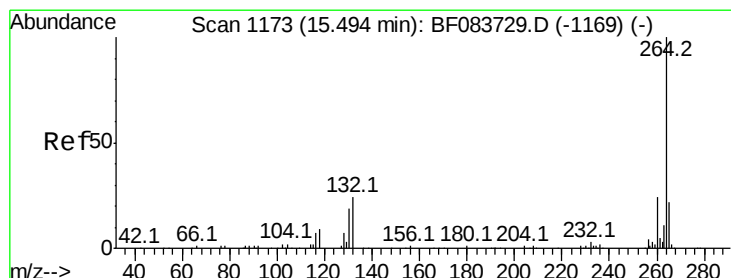
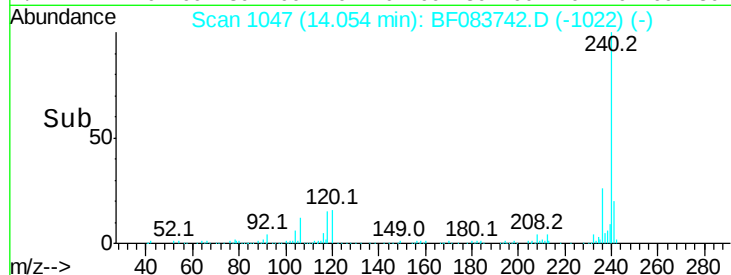
Tot Ion:149 Resp: 1693
Ion Ratio Lower Upper
149 100
167 40.4 21.8 32.8#
279 0.0 3.0 4.4#



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

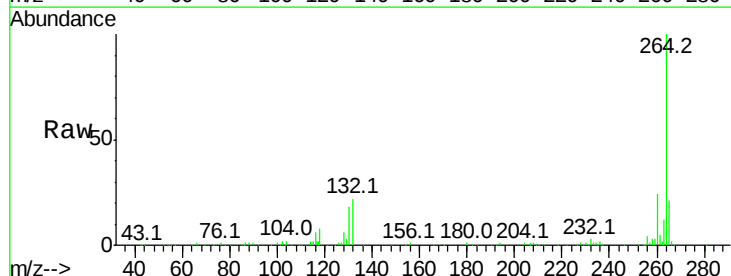


Time-->

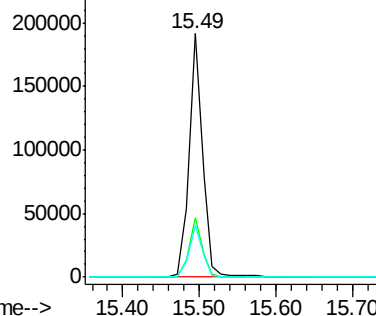


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF083742.D
Acq: 13 Dec 2015 21:16

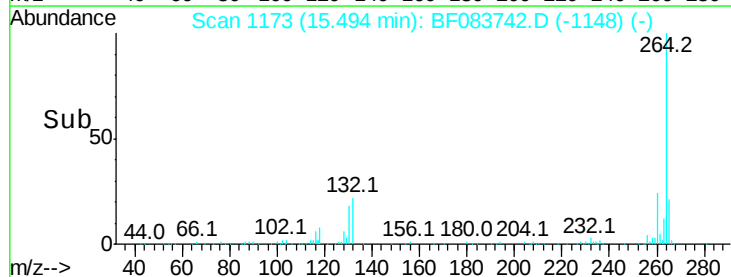
Tgt Ion:264 Resp: 234695
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.0
265 21.5 17.8 26.6

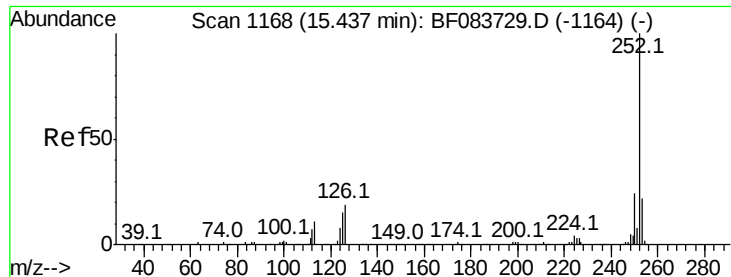


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#89

Benzo(a)pyrene

Concen: 0.03 ng

RT: 15.49 min Scan# 1173

Delta R.T. 0.05 min

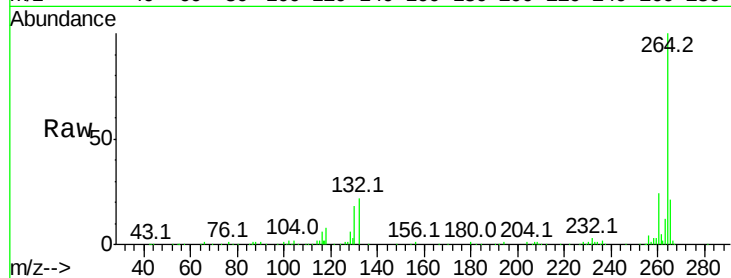
Lab File: BF083742.D

Acq: 13 Dec 2015 21:16

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	407
Ion Ratio	Lower	Upper	
252	100		
253	0.0	17.5	26.3#
125	0.0	11.0	16.6#

