

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083743.D
 Acq On : 13 Dec 2015 21:44
 Operator : UM/IZ
 Sample : G4648-25
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 02:33:10 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	6.93	152	84528	20.00	ng	0.01
21) Naphthalene-d8	8.20	136	430001	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	222397	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	398502	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	279489	20.00	ng	-0.02
86) Perylene-d12	15.49	264	234063	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	721647	137.73	ng	0.00
7) Phenol-d6	6.56	99	934683	140.86	ng	0.01
23) Nitrobenzene-d5	7.48	82	622093	80.94	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	294167	129.81	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	1177621	74.84	ng	-0.01
78) Terphenyl-d14	13.01	244	1015613	78.17	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.61	88	212	0.08	ng	# 1
6) Aniline	6.62	93	14109	1.57	ng	# 1
8) 2-Chlorophenol	6.74	128	2693	0.44	ng	# 55
9) Benzaldehyde	6.46	77	221204	62.08	ng	# 1
10) Phenol	6.56	94	16444	2.15	ng	# 1
11) bis(2-Chloroethyl)ether	6.66	93	1739	0.31	ng	# 1
15) Benzyl Alcohol	7.10	79	41983	8.61	ng	# 33
16) 2,2'-oxybis(1-Chloropropan	7.22	45	268	0.04	ng	# 1
17) 2-Methylphenol	7.22	107	12882	2.60	ng	# 1
18) Hexachloroethane	7.47	117	146849	62.62	ng	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	111551	27.46	ng	# 62
20) 3+4-Methylphenols	7.33	107	7134	1.22	ng	# 1
22) Acetophenone	7.33	105	793913	75.26	ng	# 55
24) Nitrobenzene	7.50	77	39253	4.91	ng	# 51
25) Isophorone	7.74	82	85371	5.66	ng	# 1
26) 2-Nitrophenol	7.84	139	9356	2.43	ng	# 1
27) 2,4-Dimethylphenol	7.87	122	16396	2.17	ng	# 1
28) bis(2-Chloroethoxy)methane	7.95	93	9579	1.11	ng	# 1
29) 2,4-Dichlorophenol	8.06	162	8464	1.37	ng	# 41
31) Naphthalene	8.22	128	445873	19.89	ng	# 98
32) Benzoic acid	8.01	122	4532	0.96	ng	# 1
33) 4-Chloroaniline	8.22	127	71079	7.76	ng	# 37
35) Caprolactam	8.64	113	2717	1.36	ng	# 68
36) 4-Chloro-3-methylphenol	8.75	107	2636	0.36	ng	# 26
37) 2-Methylnaphthalene	8.91	142	28219	2.01	ng	# 98
45) 1,1'-Biphenyl	9.38	154	1413	0.07	ng	# 88
47) 2-Nitroaniline	9.40	65	232	0.06	ng	# 14
48) Acenaphthylene	9.81	152	229	0.01	ng	# 60
49) Dimethylphthalate	9.66	163	363892	20.99	ng	# 99
50) 2,6-Dinitrotoluene	9.66	165	4233	1.15	ng	# 16
51) Acenaphthene	9.95	154	909	0.06	ng	# 4
54) Dibenzofuran	10.16	168	998	0.05	ng	# 65
55) 4-Nitrophenol	10.16	139	350	0.11	ng	# 28
56) 2,4-Dinitrotoluene	9.95	165	29294	6.09	ng	# 13

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

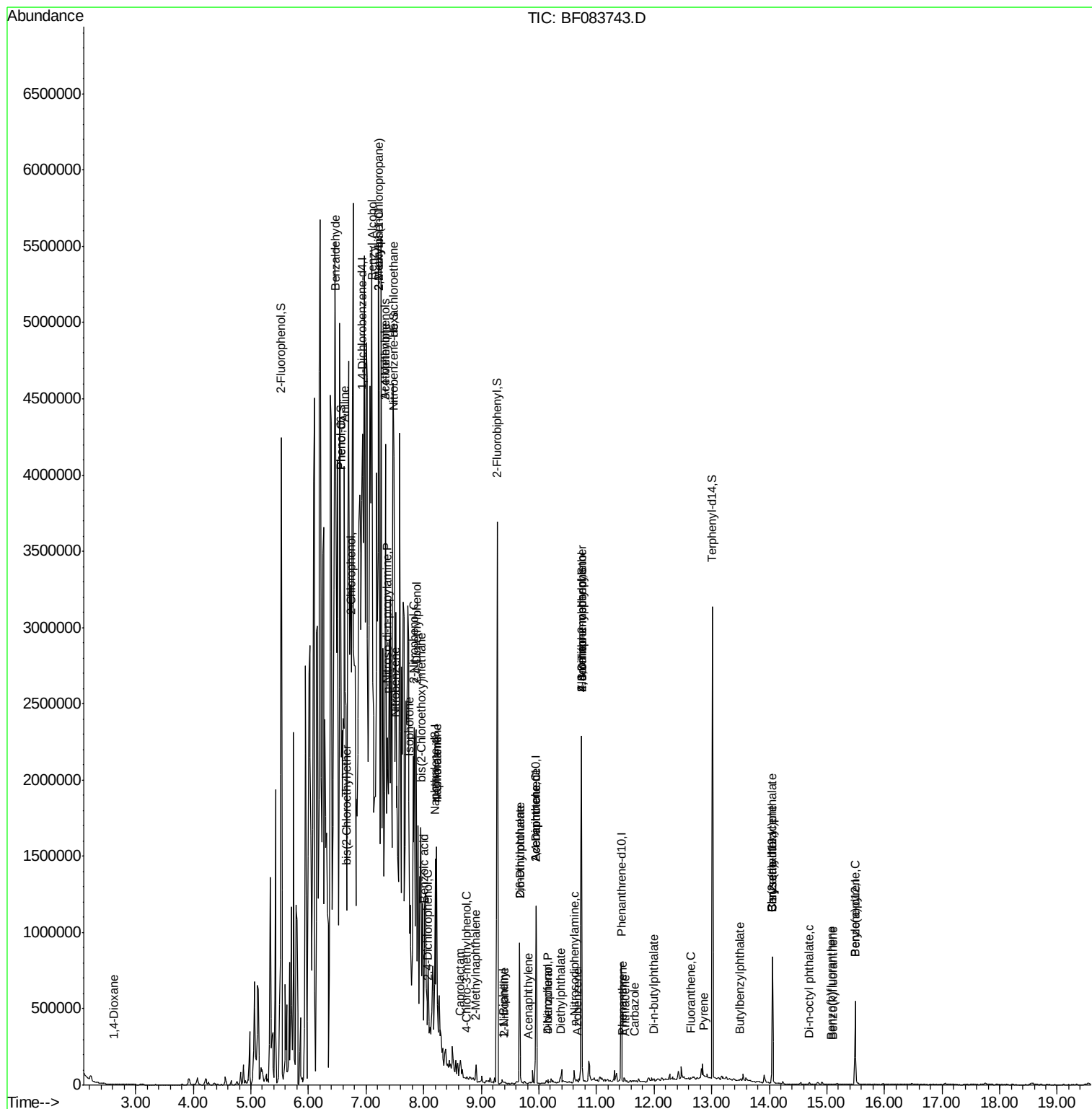
57) Fluorene	10.74	166	14102	0.91	nq	# 91
59) Diethylphthalate	10.37	149	10364	0.59	nq	# 92
62) Azobenzene	10.66	77	618	0.04	nq	# 1
64) 4,6-Dinitro-2-methylphenol	10.74	198	625	0.28	nq	# 1
65) n-Nitrosodiphenylamine	10.61	169	1422	0.10	nq	# 53
66) 4-Bromophenyl-phenylether	10.74	248	21315	4.78	nq	# 1
70) Phenanthrene	11.45	178	2806	0.13	nq	# 93
71) Anthracene	11.50	178	345	0.02	nq	# 60
72) Carbazole	11.65	167	438	0.02	nq	# 60
73) Di-n-butylphthalate	12.00	149	3295	0.13	nq	# 93
74) Fluoranthene	12.64	202	786	0.04	nq	# 59
77) Pyrene	12.87	202	668	0.03	nq	# 57
79) Butylbenzylphthalate	13.49	149	671	0.07	nq	# 84
80) Benzo(a)anthracene	14.05	228	1797	0.11	nq	# 51
82) Chrysene	14.05	228	1797	0.12	nq	# 49
83) Bis(2-ethylhexyl)phthalate	14.05	149	9745	0.90	nq	# 98
84) Di-n-octyl phthalate	14.69	149	2162	0.13	nq	# 100
87) Benzo(b)fluoranthene	15.07	252	235	0.02	nq	# 59
88) Benzo(k)fluoranthene	15.11	252	219	0.02	nq	# 57
89) Benzo(a)pyrene	15.49	252	385	0.03	nq	# 59

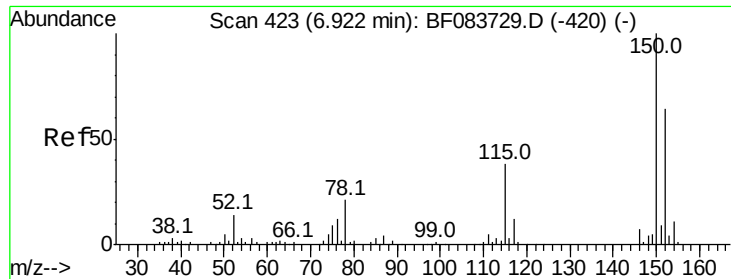
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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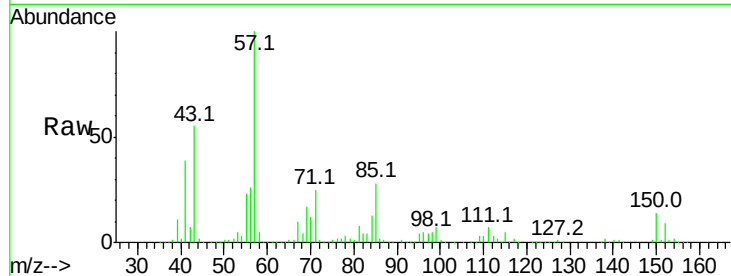


#1

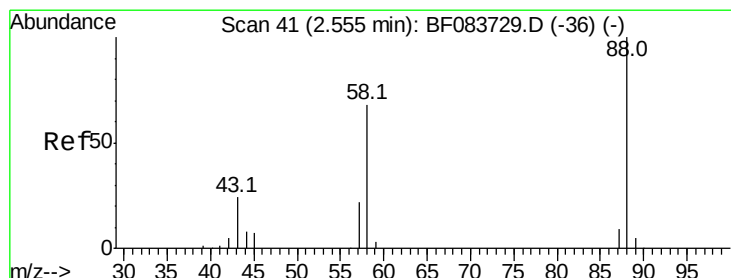
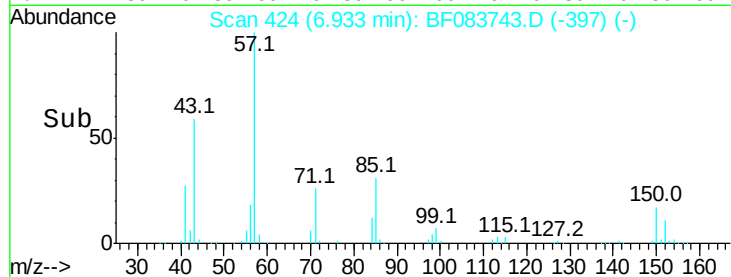
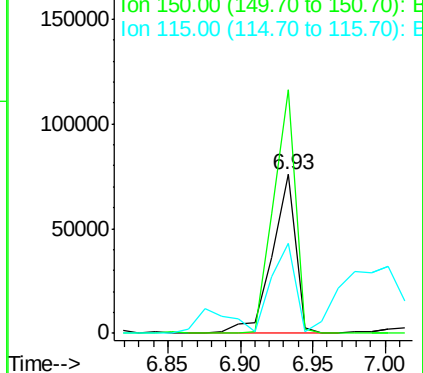
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 424
Delta R.T. 0.01 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84528
Ion Ratio Lower Upper
152 100
150 153.1 126.5 189.7
115 56.6 52.3 78.5



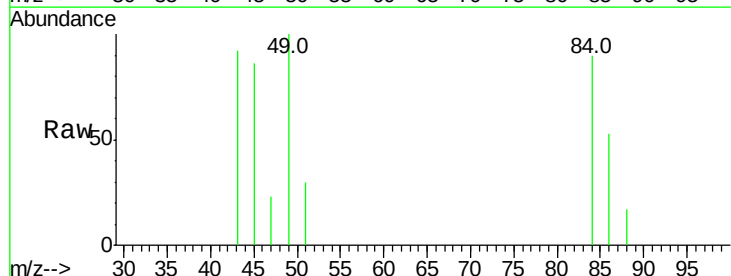
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



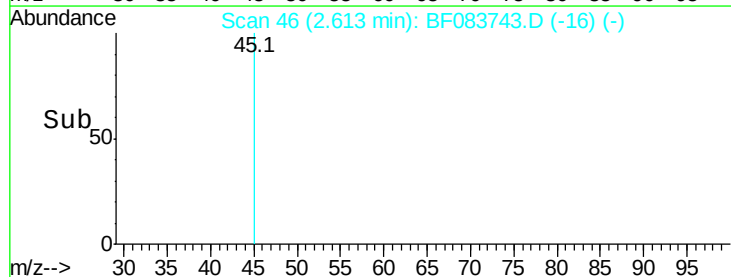
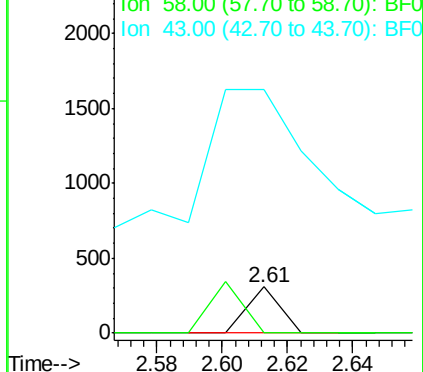
#2

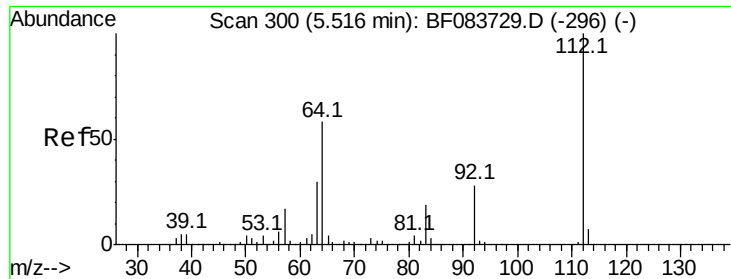
1,4-Dioxane
Concen: 0.08 ng
RT: 2.61 min Scan# 46
Delta R.T. 0.05 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Tgt Ion: 88 Resp: 212
Ion Ratio Lower Upper
88 100
58 112.7 68.0 102.0#
43 1338.2 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: 137.73 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

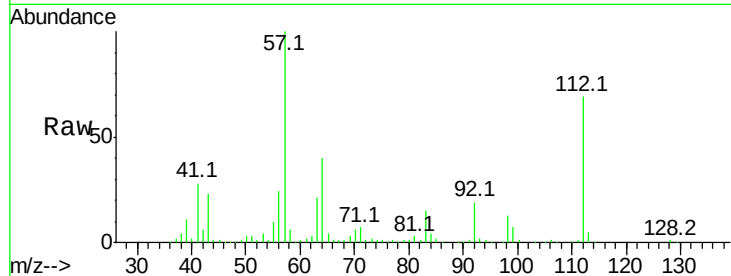
Tot Ion:112 Resp: 721647

Ion Ratio Lower Upper

112 100

64 57.3 50.5 75.7

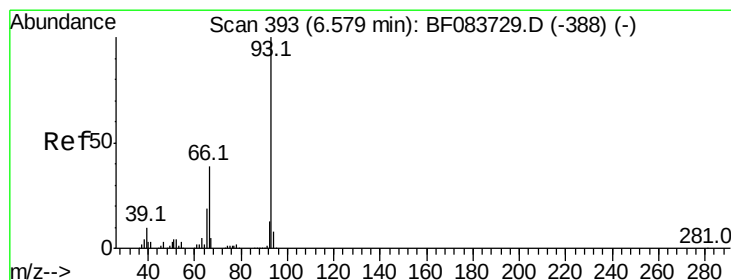
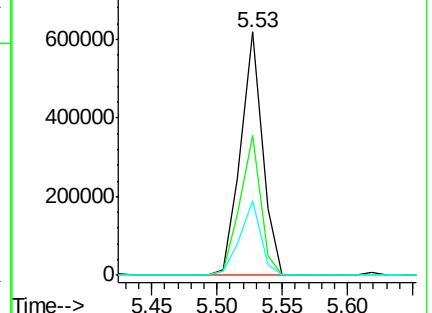
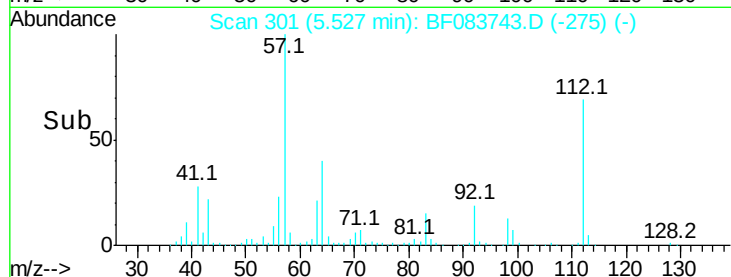
63 30.6 25.8 38.6



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: 1.57 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.05 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

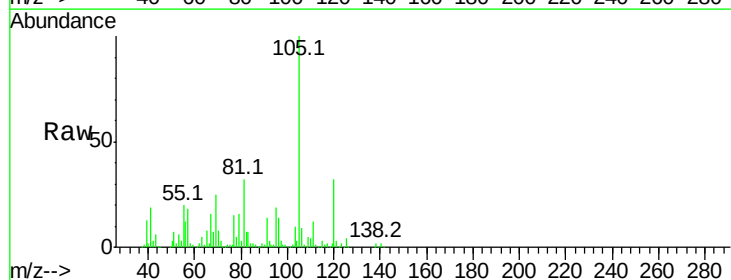
Tgt Ion: 93 Resp: 14109

Ion Ratio Lower Upper

93 100

66 127.3 41.3 61.9#

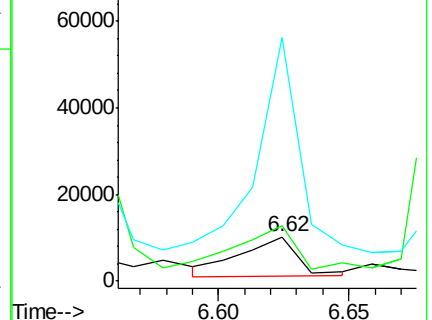
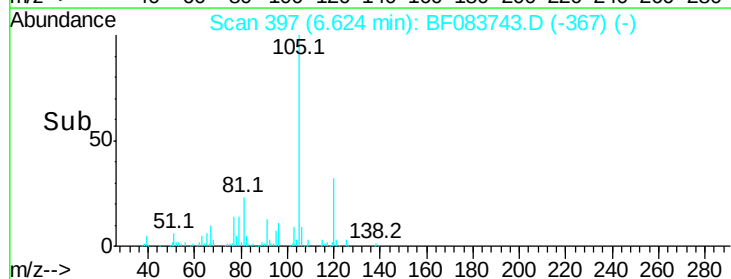
65 552.9 20.8 31.2#

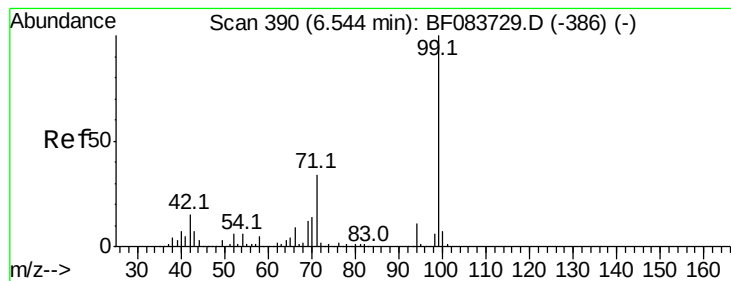


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 140.86 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampled :

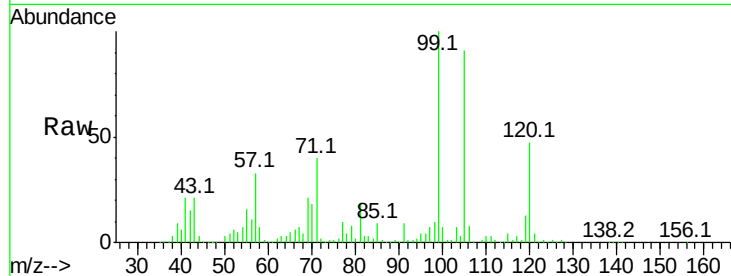
Tot Ion: 99 Resp: 934683

Ion Ratio Lower Upper

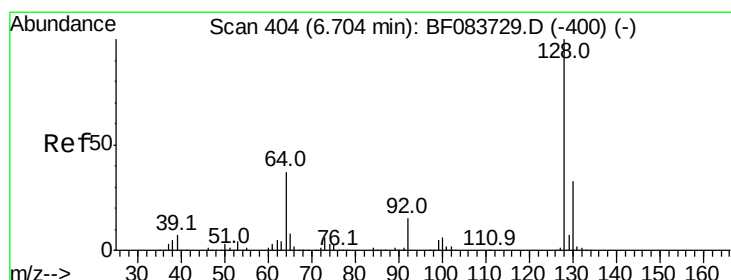
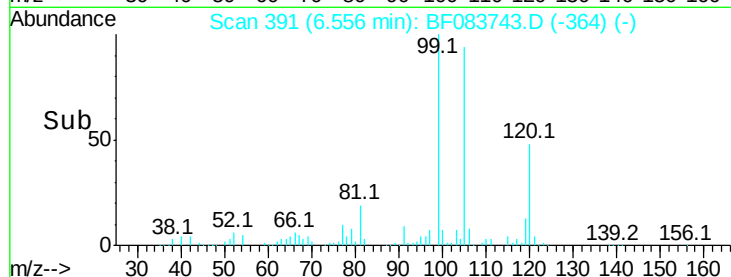
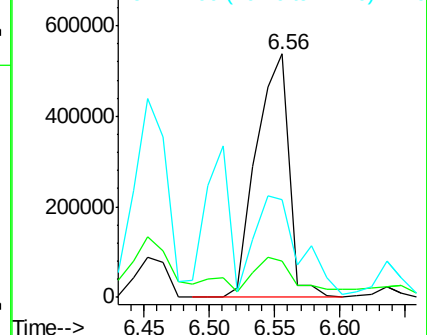
99 100

42 14.9 17.3 25.9#

71 40.2 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: 0.44 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.03 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

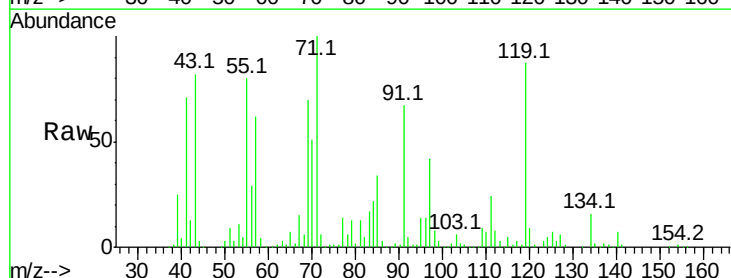
Tgt Ion:128 Resp: 2693

Ion Ratio Lower Upper

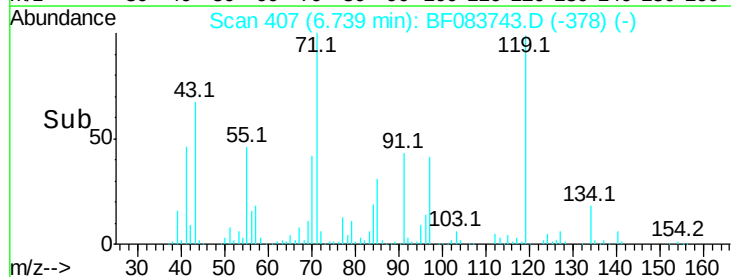
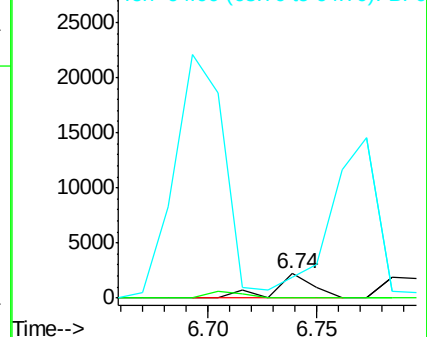
128 100

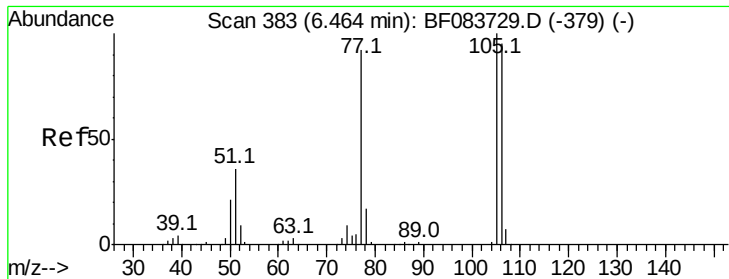
130 0.0 12.6 52.6#

64 87.3 38.6 78.6#



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





#9

Benzaldehyde

Concen: 62.08 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.00 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

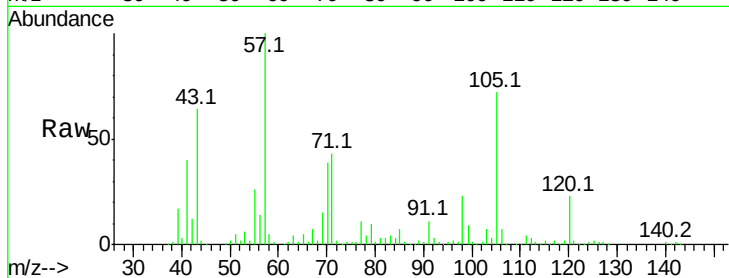
Tot Ion: 77 Resp: 221204

Ion Ratio Lower Upper

77 100

105 655.1 71.8 111.8#

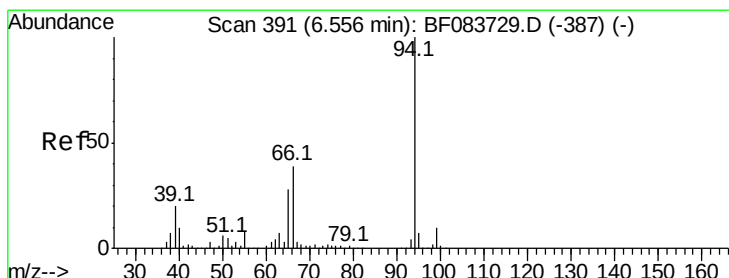
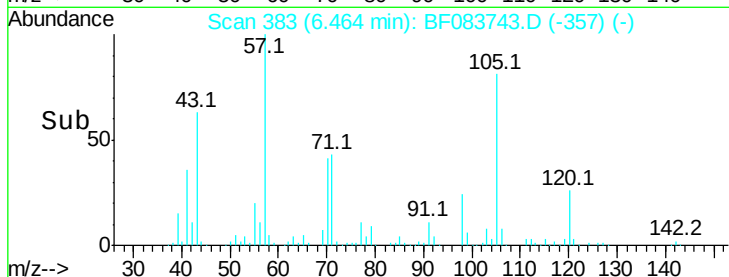
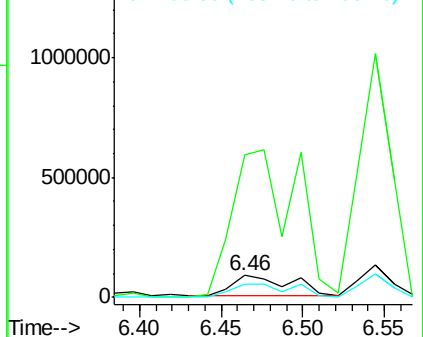
106 62.6 66.8 106.8#



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: 2.15 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

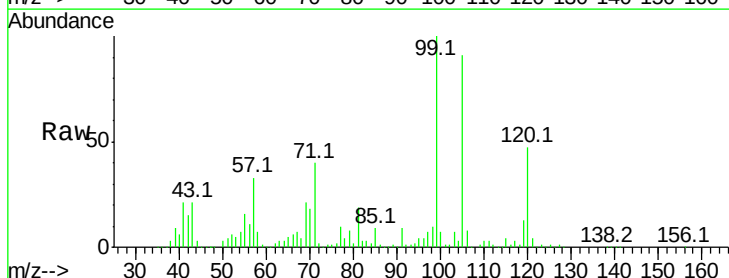
Tgt Ion: 94 Resp: 16444

Ion Ratio Lower Upper

94 100

65 239.4 20.9 60.9#

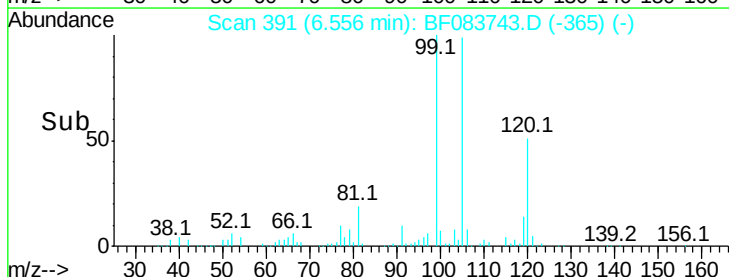
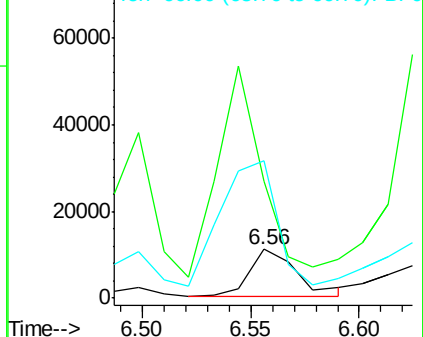
66 282.9 41.6 81.6#

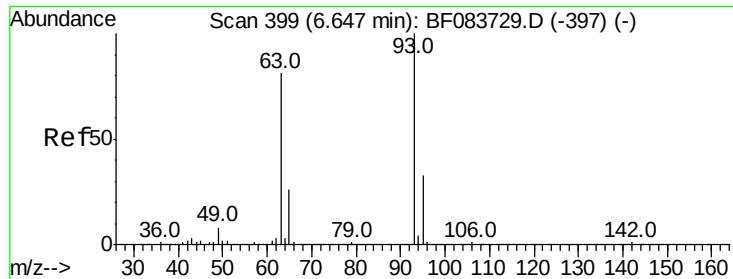


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 0.31 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.00 min

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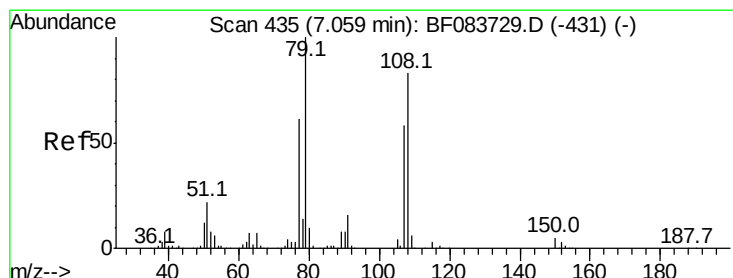
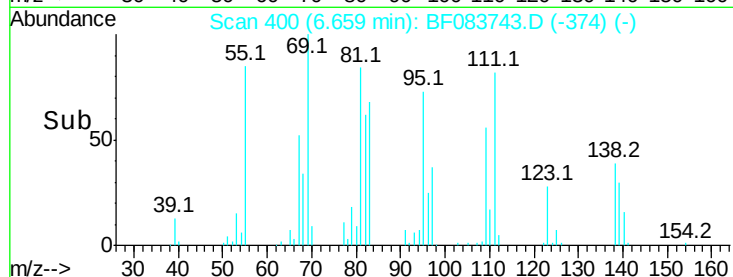
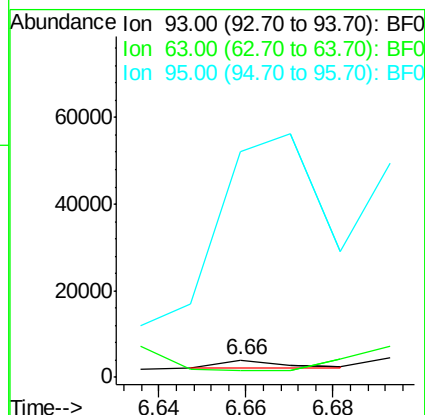
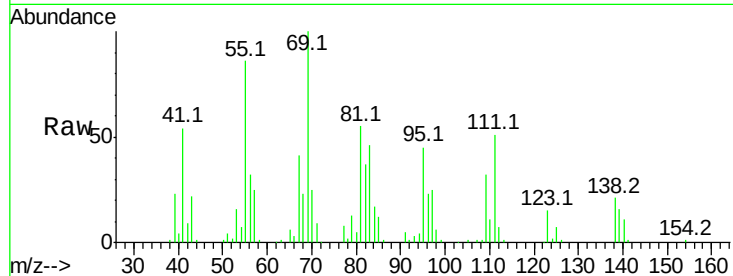
Tot Ion: 93 Resp: 1739

Ion Ratio Lower Upper

93 100

63 35.3 64.7 104.7#

95 1290.4 12.7 52.7#



#15

Benzyl Alcohol

Concen: 8.61 ng

RT: 7.10 min Scan# 439

Delta R.T. 0.05 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

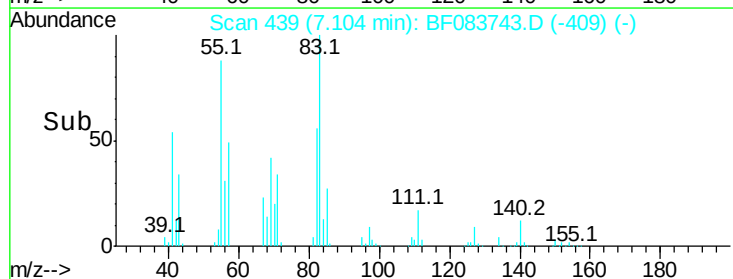
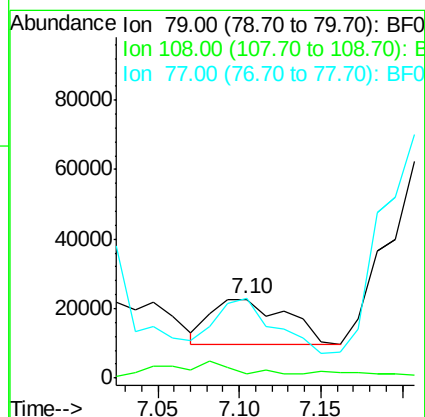
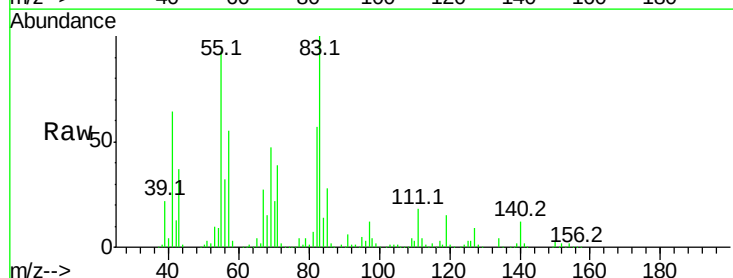
Tgt Ion: 79 Resp: 41983

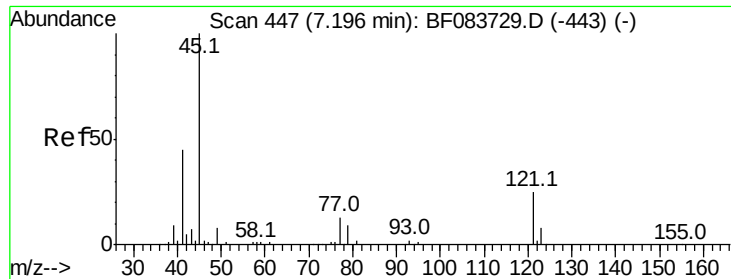
Ion Ratio Lower Upper

79 100

108 6.2 59.6 89.4#

77 101.6 49.8 74.6#

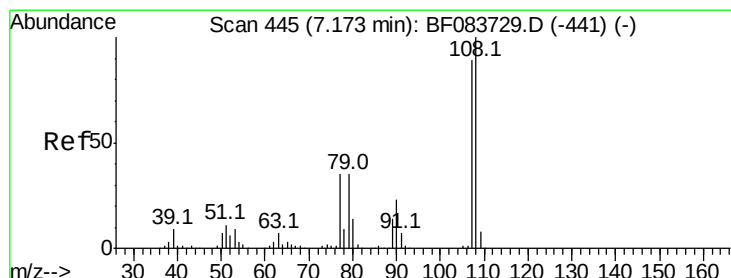
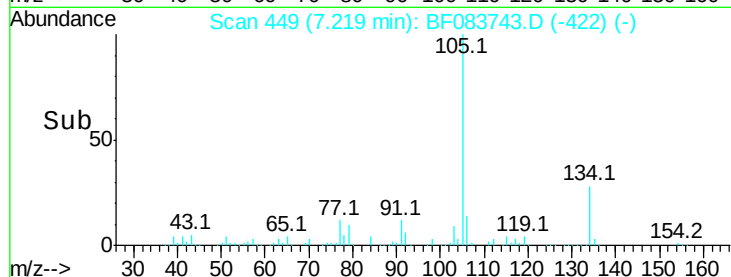
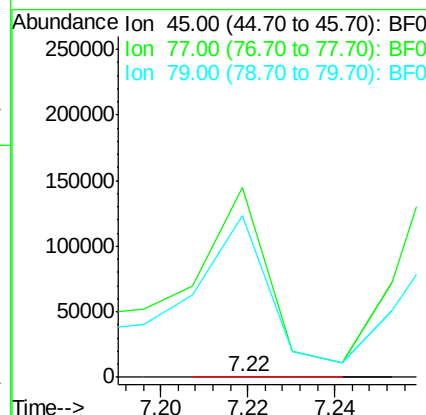
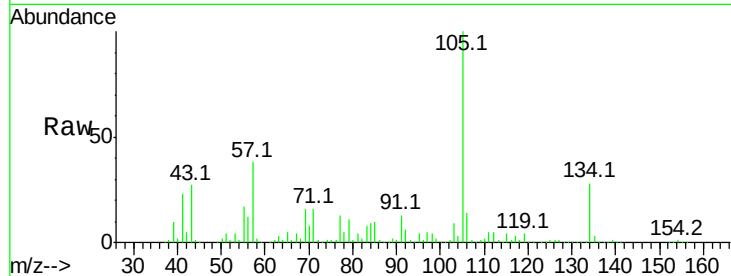




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.04 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.01 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

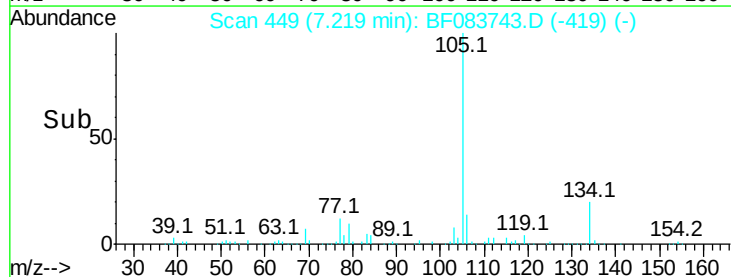
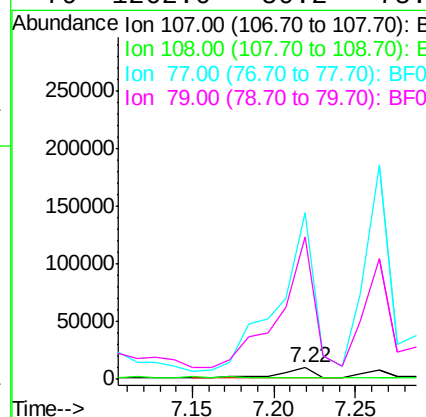
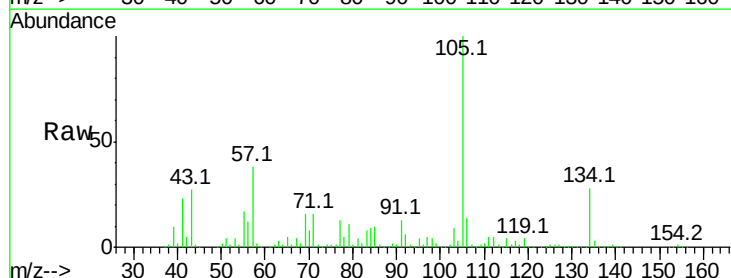
Instrument :
BNA_F
ClientSampled :

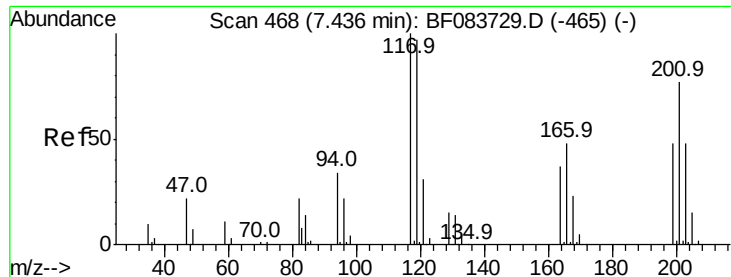
Tot Ion: 45 Resp: 268
Ion Ratio Lower Upper
45 100
77 36926.9 12.8 52.8#
79 31633.8 10.7 50.7#



#17
2-Methylphenol
Concen: 2.60 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.05 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Tgt Ion:107 Resp: 12882
Ion Ratio Lower Upper
107 100
108 7.8 91.6 137.4#
77 1473.2 53.7 80.5#
79 1262.0 50.2 75.4#





#18

Hexachloroethane

Concen: 62.62 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.02 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

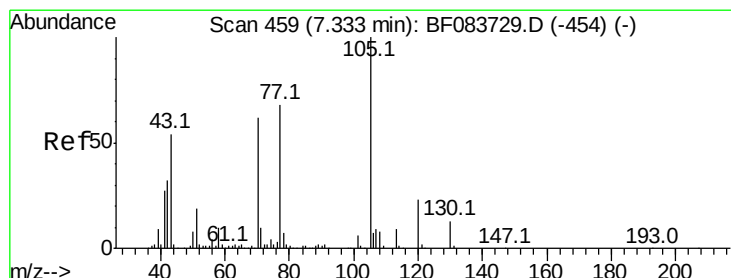
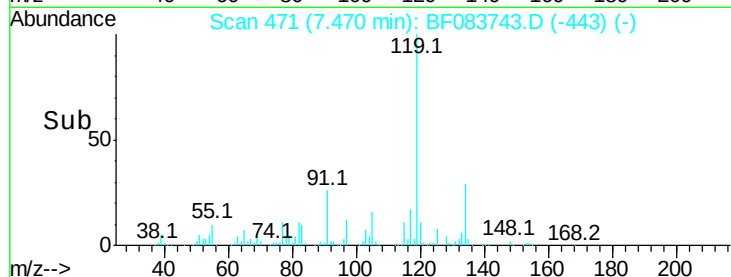
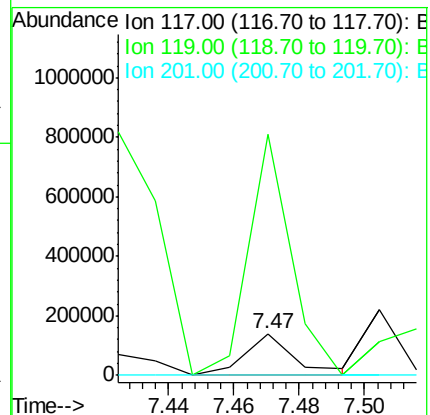
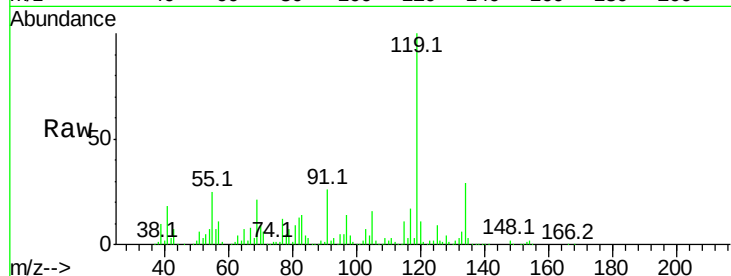
Tot Ion:117 Resp: 146849

Ion Ratio Lower Upper

117 100

119 579.4 77.2 115.8#

201 0.0 86.8 130.2#



#19

n-Nitroso-di-n-propylamine

Concen: 27.46 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.02 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Tgt Ion: 70 Resp: 111551

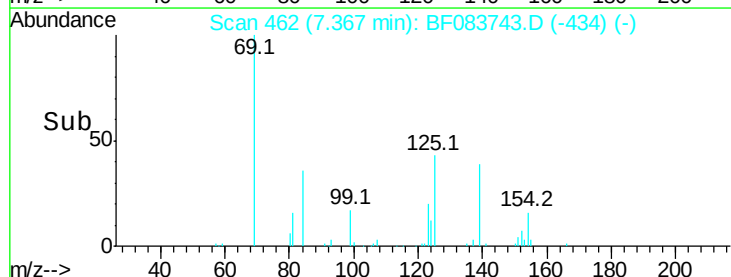
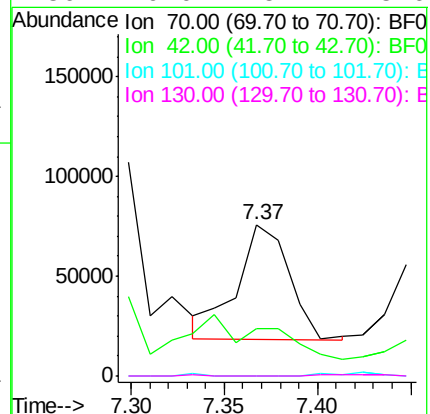
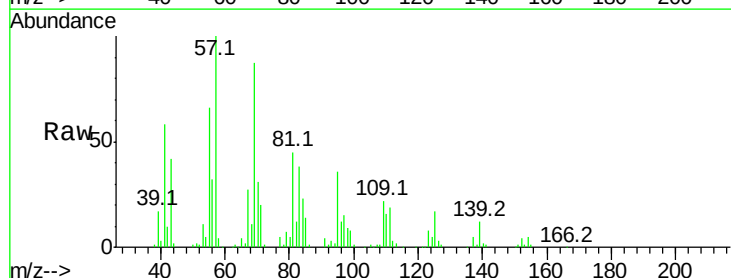
Ion Ratio Lower Upper

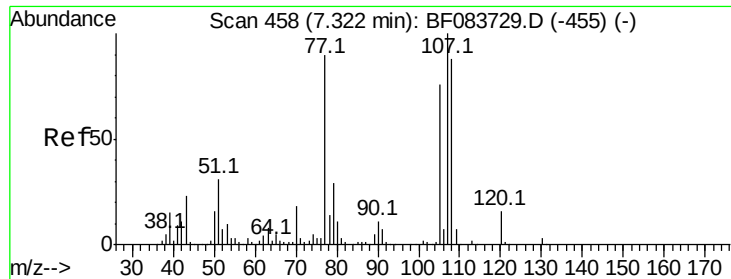
70 100

42 31.7 49.2 73.8#

101 0.0 7.1 10.7#

130 0.0 15.4 23.0#

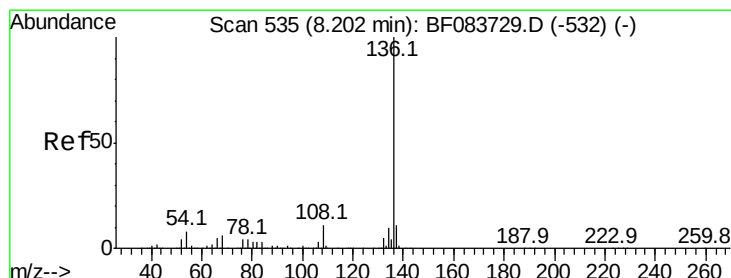
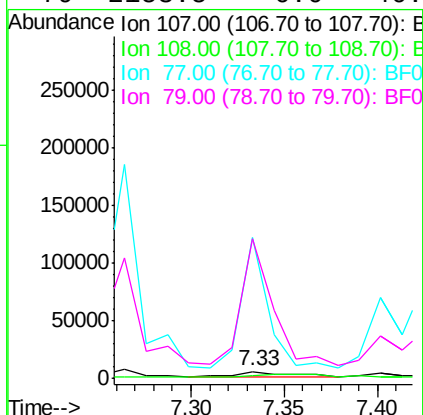
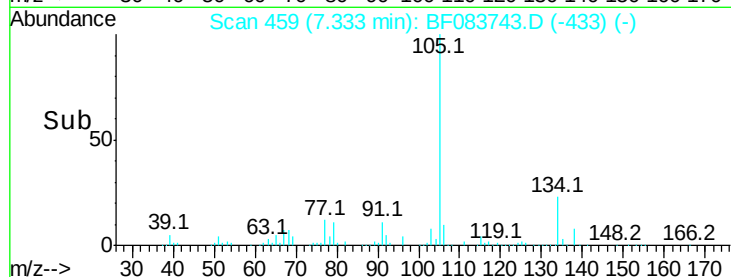
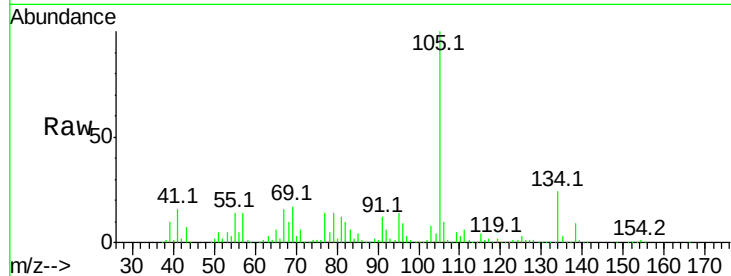




#20
 3+4-Methylphenols
 Concen: 1.22 ng
 RT: 7.33 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

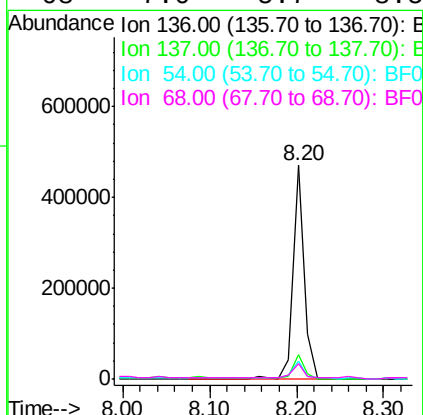
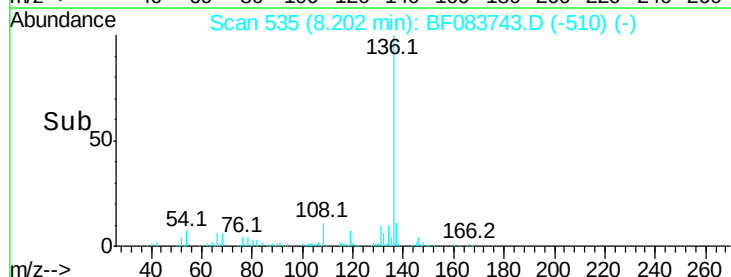
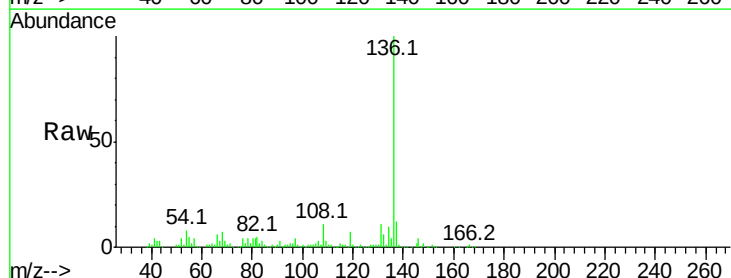
Instrument :
 BNA_F
 ClientSampleId :

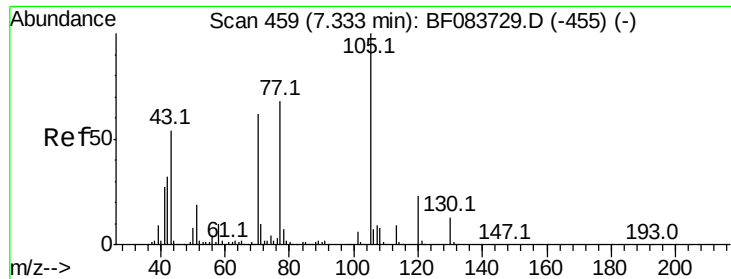
Tot Ion:107 Resp: 7134
 Ion Ratio Lower Upper
 107 100
 108 33.7 65.2 105.2#
 77 2172.2 15.2 55.2#
 79 2153.5 6.0 46.0#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.20 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

Tgt Ion:136 Resp: 430001
 Ion Ratio Lower Upper
 136 100
 137 11.6 8.7 13.1
 54 8.1 7.8 11.6
 68 7.0 5.7 8.5

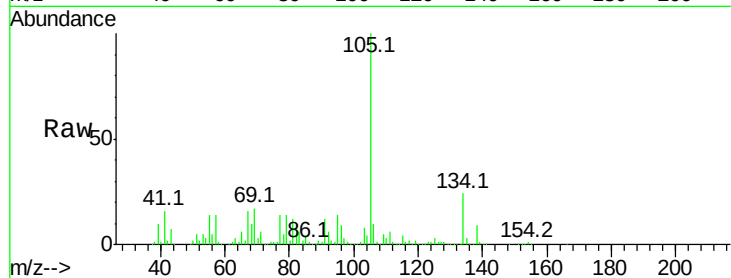




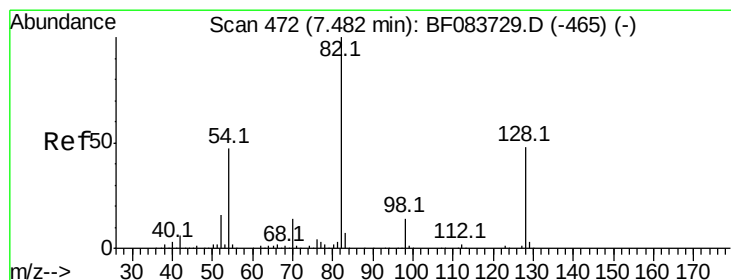
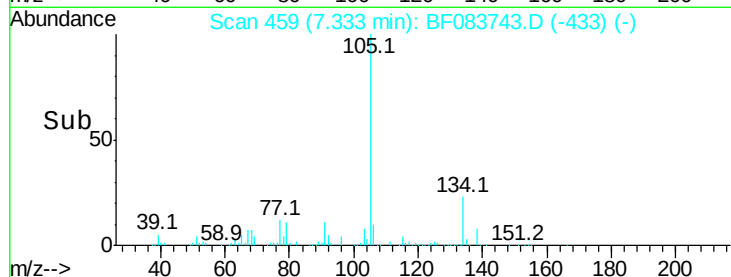
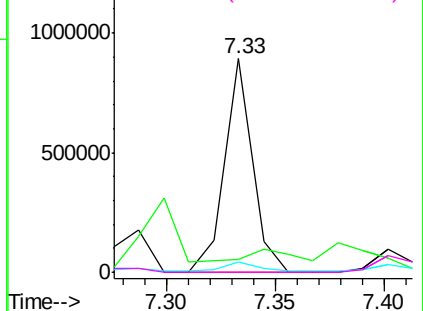
#22
Acetophenone
Concen: 75.26 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.00 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:105 Resp: 793913
Ion Ratio Lower Upper
105 100
71 5.9 1.3 1.9#
51 4.6 23.8 35.8#
120 0.3 16.7 25.1#

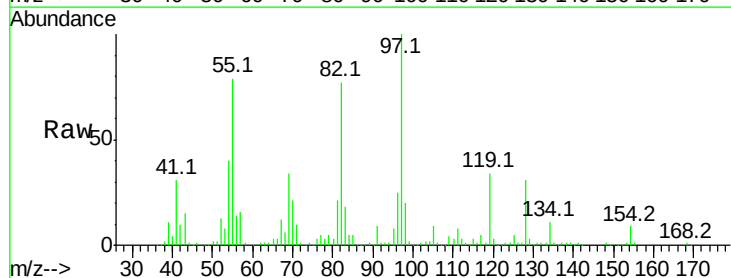


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

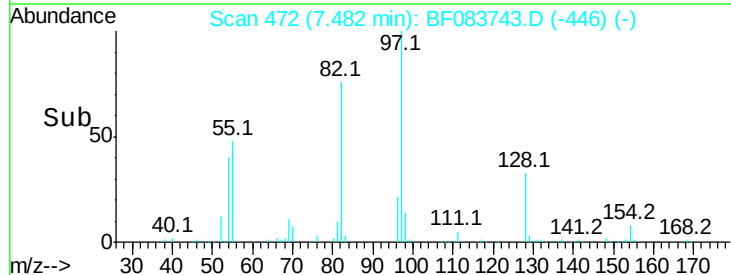
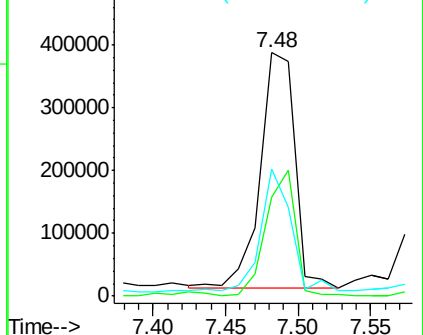


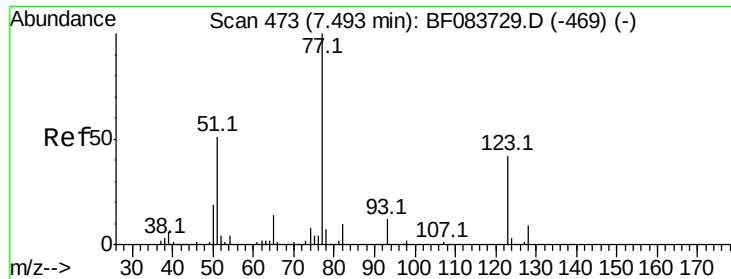
#23
Nitrobenzene-d5
Concen: 80.94 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Tgt Ion: 82 Resp: 622093
Ion Ratio Lower Upper
82 100
128 40.4 30.7 46.1
54 52.3 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

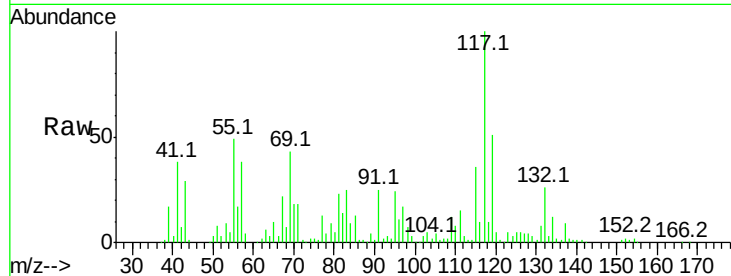




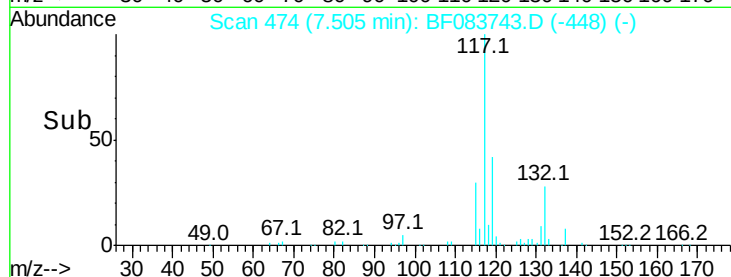
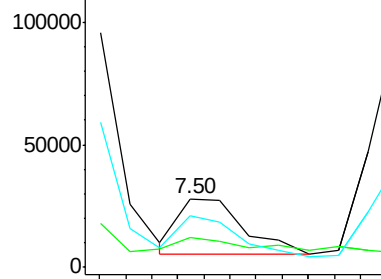
#24
 Nitrobenzene
 Concen: 4.91 ng
 RT: 7.50 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

Instrument :
 BNA_F
 ClientSampleId :

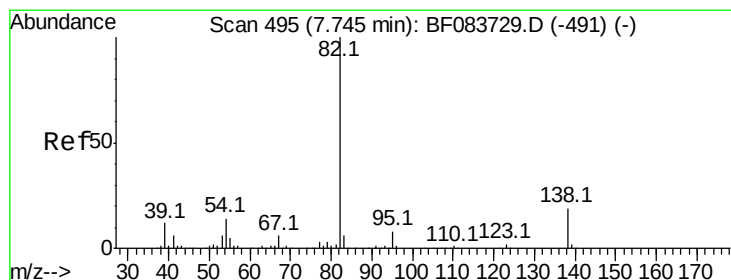
Tot Ion: 77 Resp: 39253
 Ion Ratio Lower Upper
 77 100
 123 43.3 29.8 44.6
 65 76.0 11.1 16.7#



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

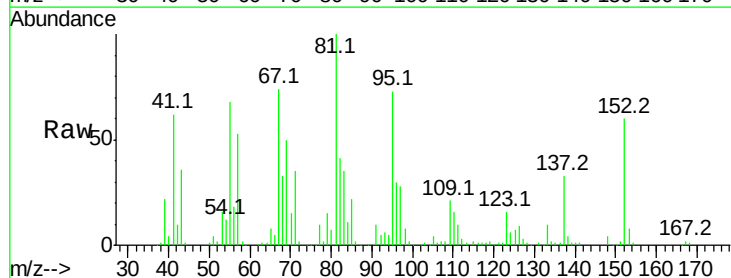


Time-->

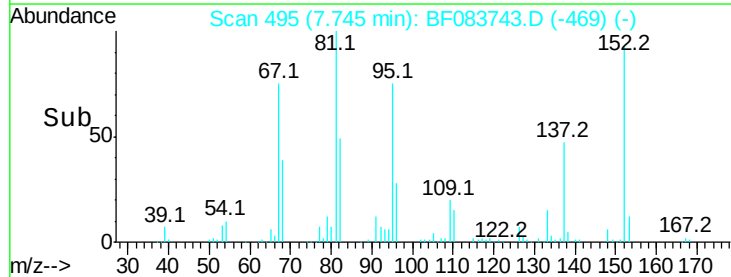
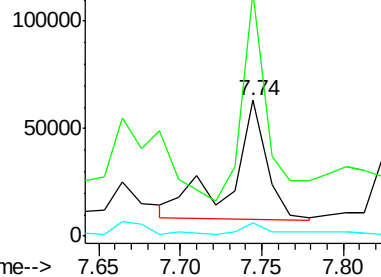


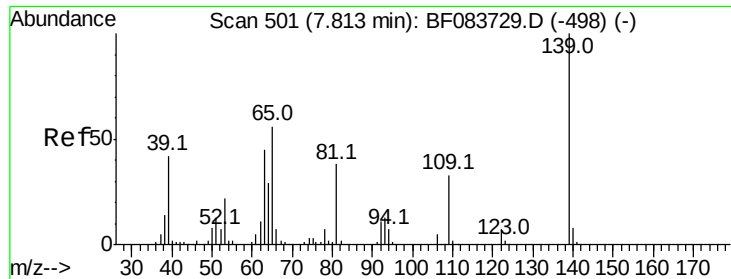
#25
 Isophorone
 Concen: 5.66 ng
 RT: 7.74 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

Tgt Ion: 82 Resp: 85371
 Ion Ratio Lower Upper
 82 100
 95 179.0 5.0 7.4#
 138 9.9 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

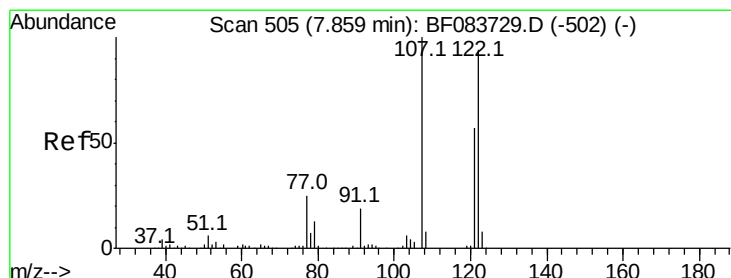
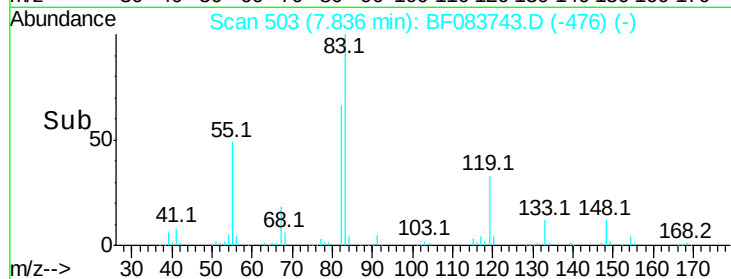
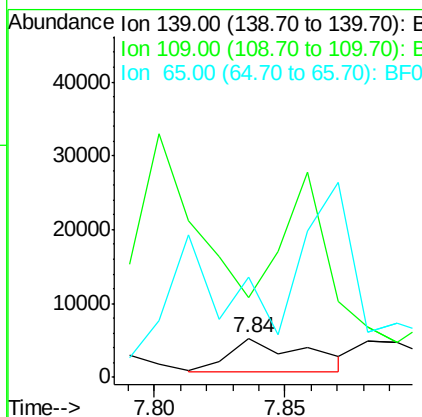
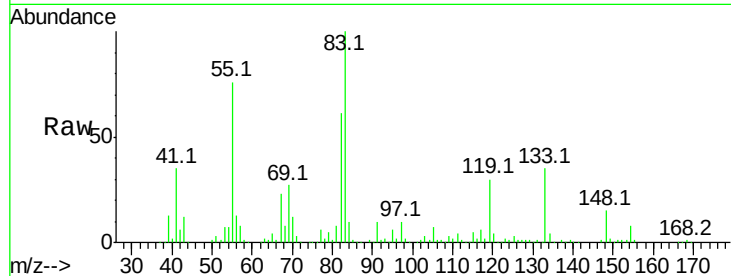




#26
2-Nitrophenol
Concen: 2.43 ng
RT: 7.84 min Scan# 503
Delta R.T. 0.01 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

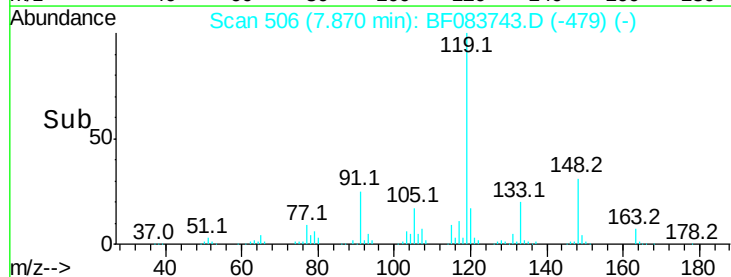
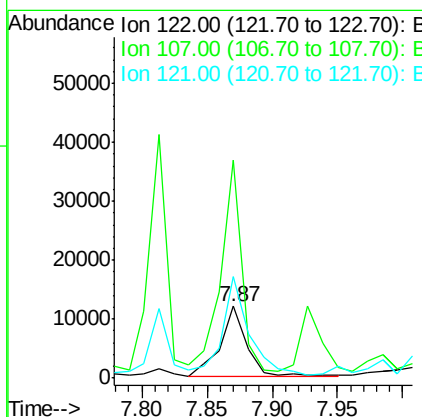
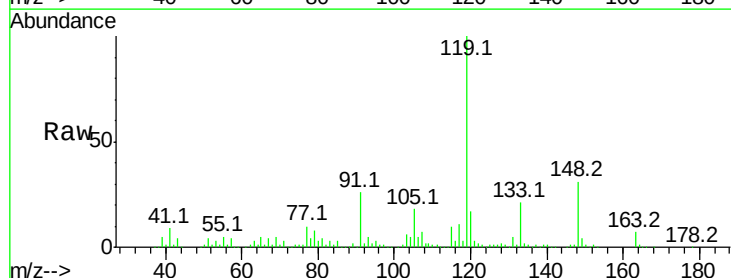
Instrument :
BNA_F
ClientSampled :

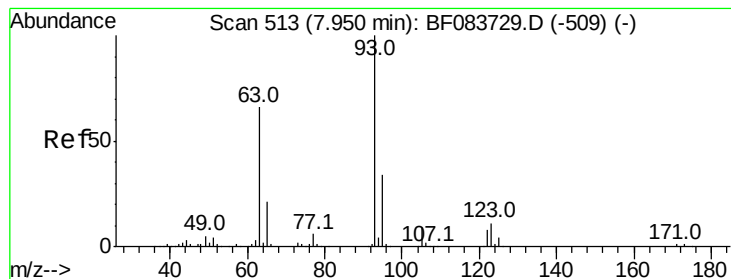
Tot Ion:139 Resp: 9356
Ion Ratio Lower Upper
139 100
109 206.2 22.7 34.1#
65 258.5 51.8 77.8#



#27
2,4-Dimethylphenol
Concen: 2.17 ng
RT: 7.87 min Scan# 506
Delta R.T. 0.01 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Tgt Ion:122 Resp: 16396
Ion Ratio Lower Upper
122 100
107 303.4 92.4 138.6#
121 140.9 45.8 68.6#





#28

bis(2-Chloroethoxy)methane

Concen: 1.11 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampled :

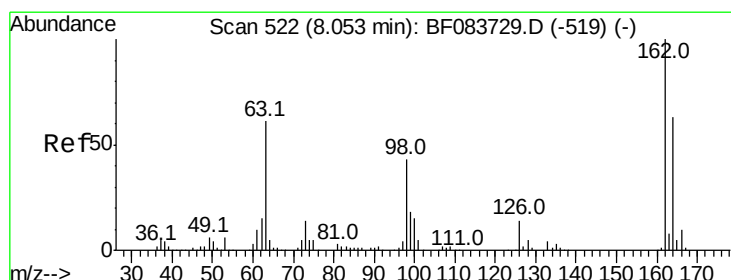
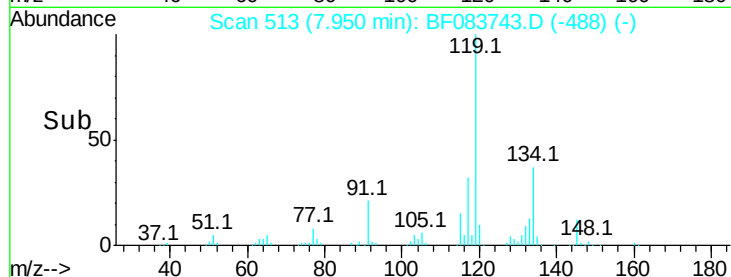
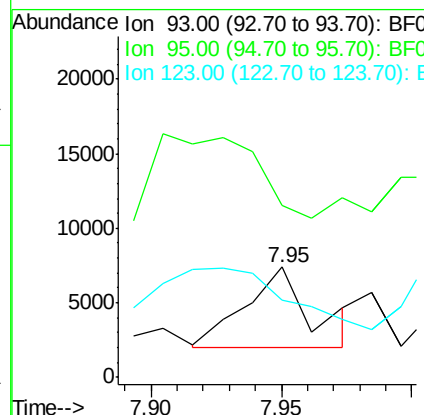
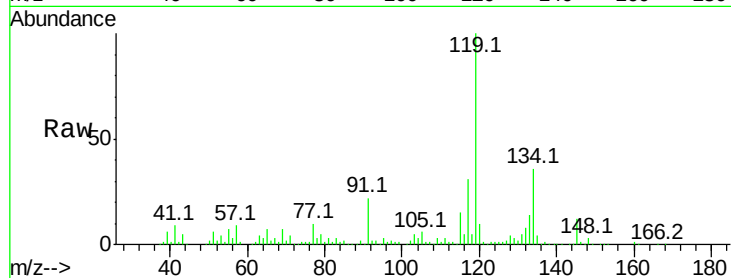
Tot Ion: 93 Resp: 9579

Ion Ratio Lower Upper

93 100

95 156.4 25.6 38.4#

123 69.9 7.3 10.9#



#29

2,4-Dichlorophenol

Concen: 1.37 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

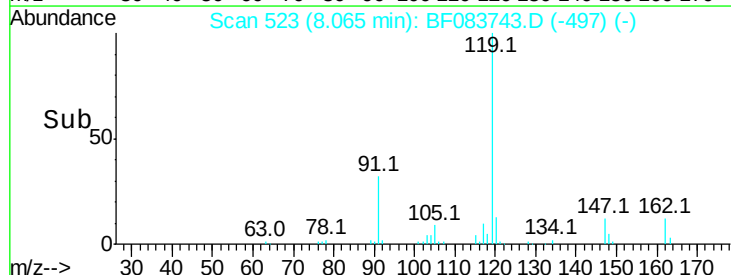
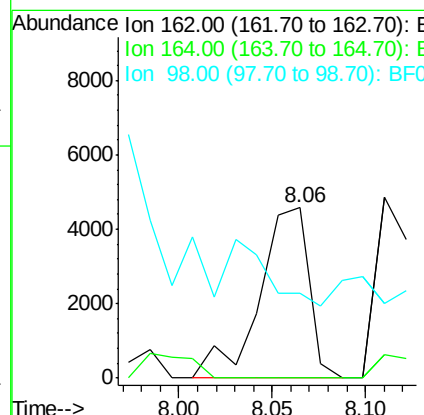
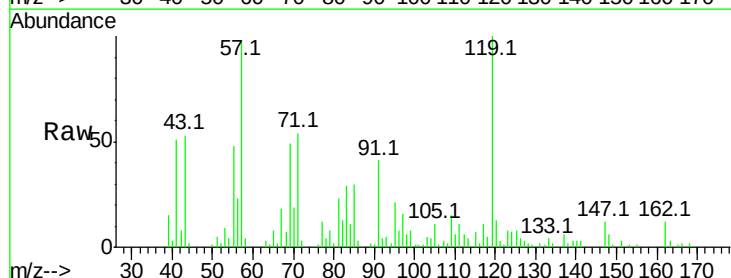
Tgt Ion:162 Resp: 8464

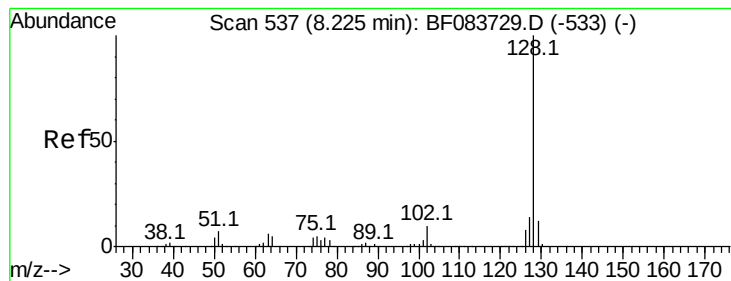
Ion Ratio Lower Upper

162 100

164 0.0 43.4 83.4#

98 49.7 17.5 57.5





#31

Naphthalene

Concen: 19.89 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

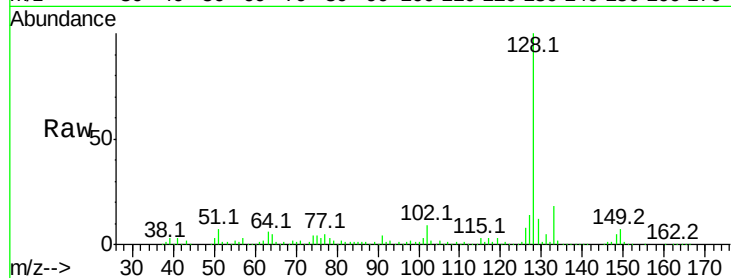
Tot Ion:128 Resp: 445873

Ion Ratio Lower Upper

128 100

129 11.9 8.6 13.0

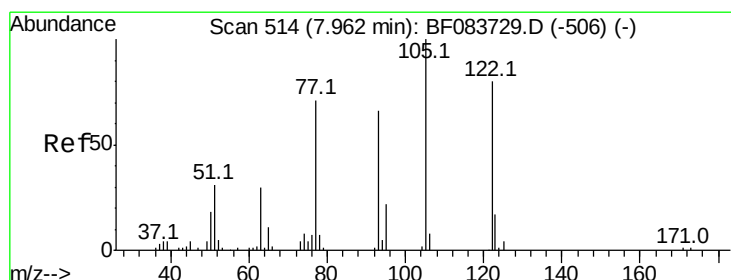
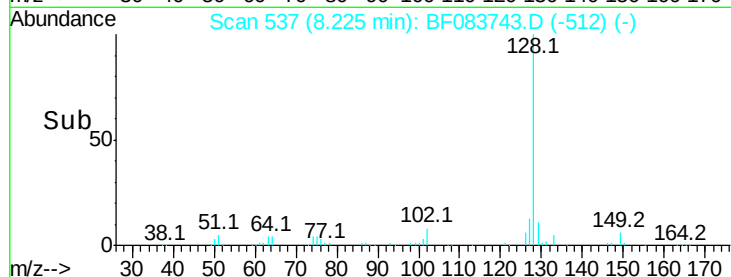
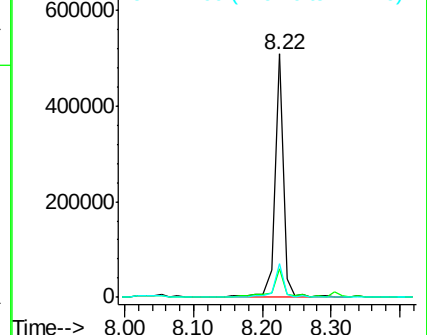
127 13.9 10.6 16.0



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: 0.96 ng

RT: 8.01 min Scan# 518

Delta R.T. 0.05 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

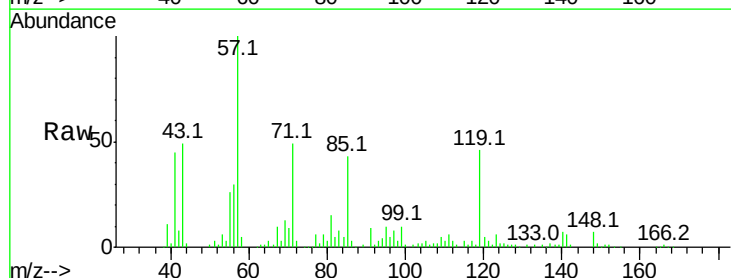
Tgt Ion:122 Resp: 4532

Ion Ratio Lower Upper

122 100

105 178.3 105.6 145.6#

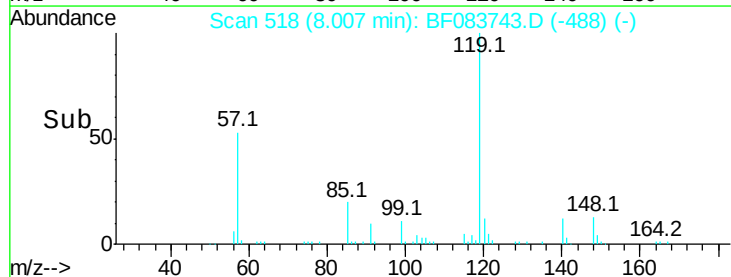
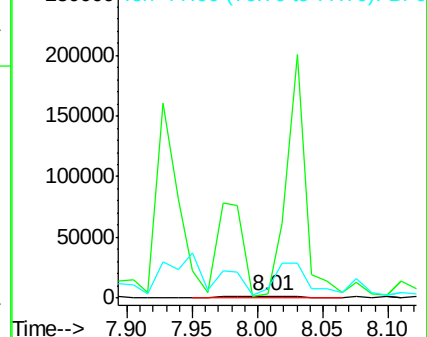
77 426.4 86.8 126.8#

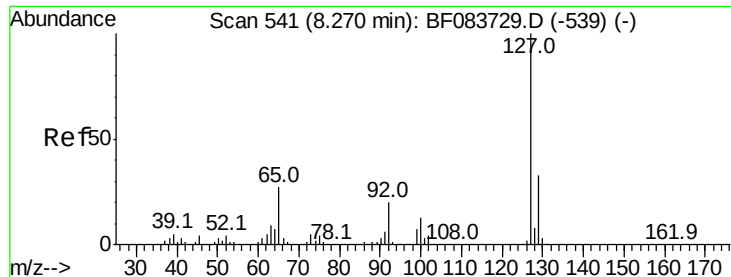


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

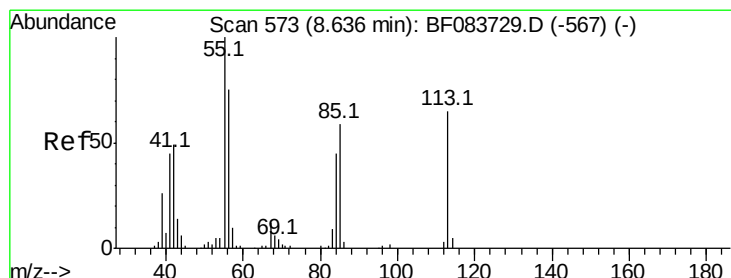
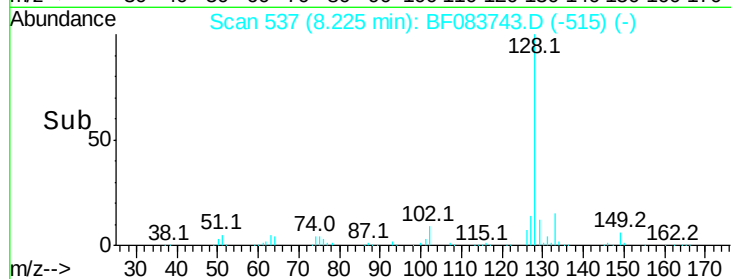
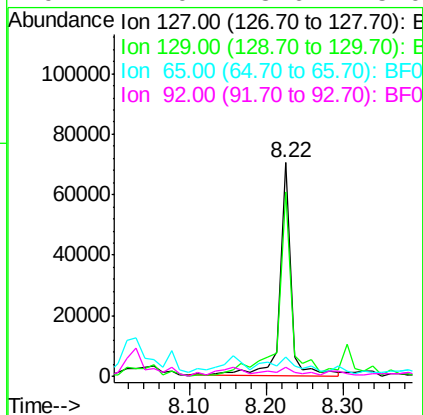
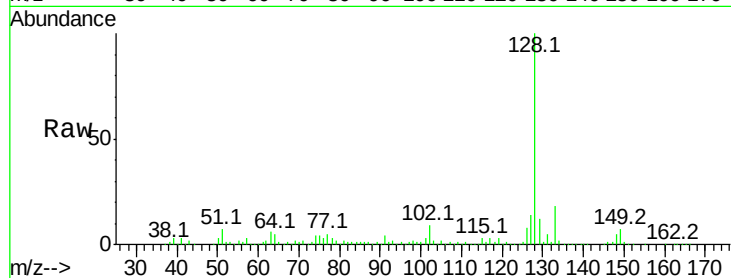




#33
4-Chloroaniline
Concen: 7.76 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.05 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

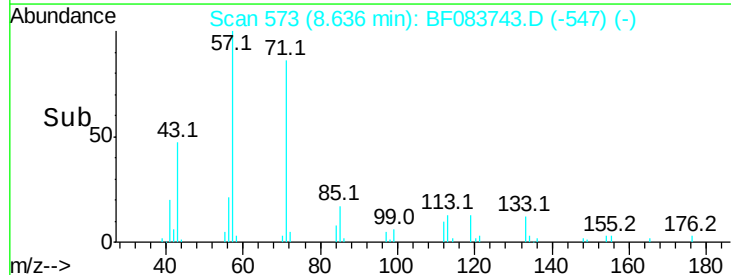
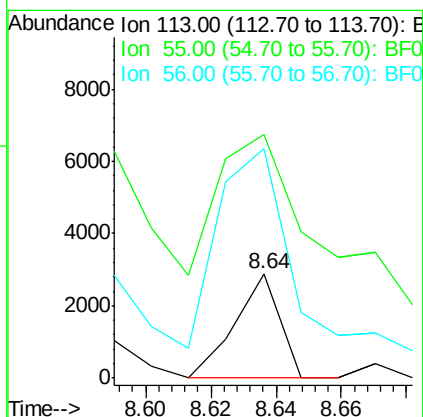
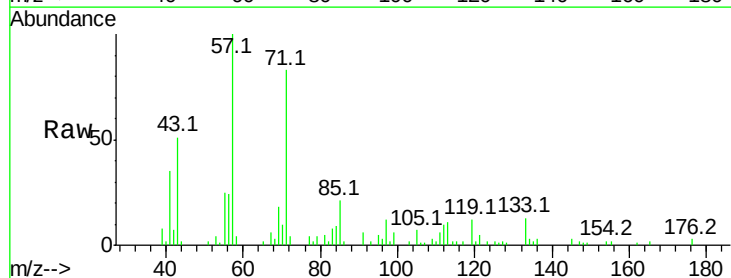
Instrument :
BNA_F
ClientSampleId :

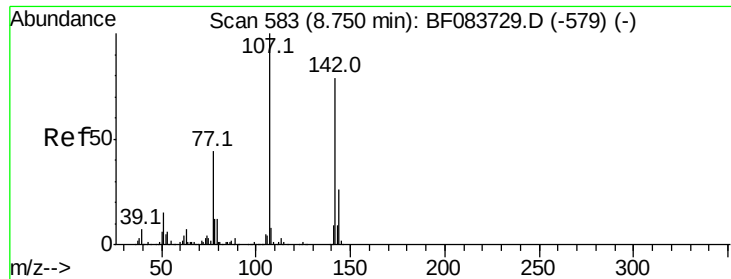
Tot Ion:	127	Resp:	71079
Ion	Ratio	Lower	Upper
127	100		
129	86.1	26.1	39.1#
65	9.0	33.5	50.3#
92	4.0	18.6	28.0#



#35
Caprolactam
Concen: 1.36 ng
RT: 8.64 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Tgt Ion:	113	Resp:	2717
Ion	Ratio	Lower	Upper
113	100		
55	233.1	189.7	229.7#
56	220.3	130.7	170.7#

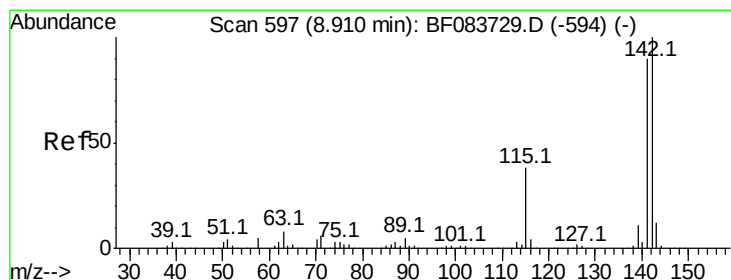
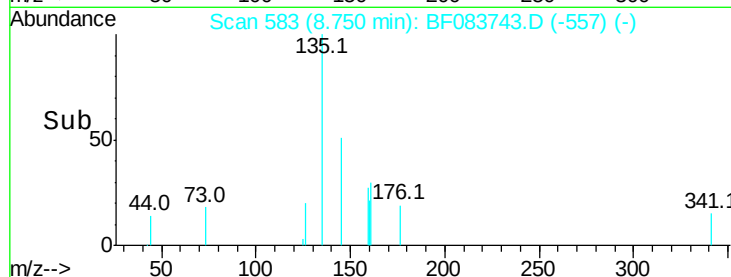
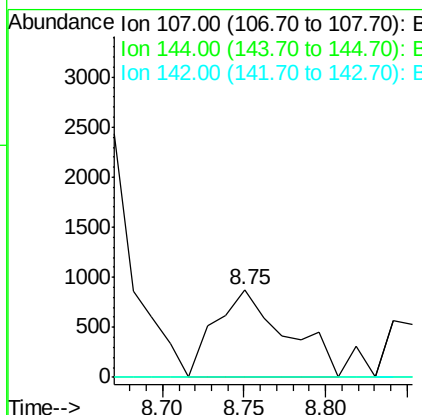
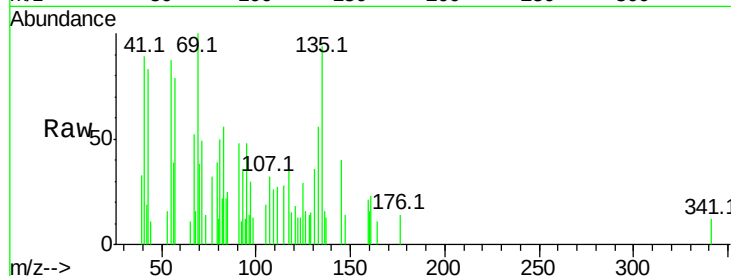




#36
4-Chloro-3-methylphenol
Concen: 0.36 ng
RT: 8.75 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

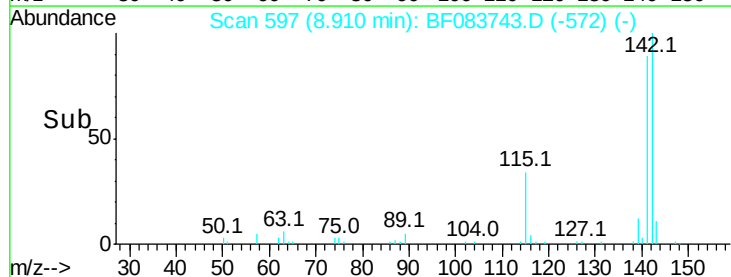
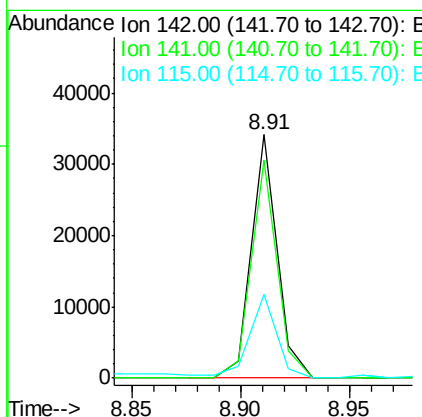
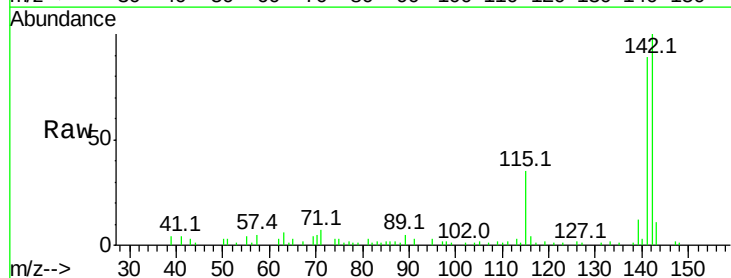
Instrument :
BNA_F
ClientSampleId :

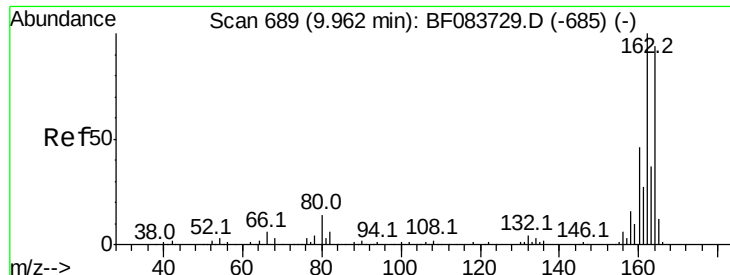
Tot Ion:107 Resp: 2636
Ion Ratio Lower Upper
107 100
144 0.0 17.5 26.3#
142 0.0 53.6 80.4#



#37
2-Methylnaphthalene
Concen: 2.01 ng
RT: 8.91 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Tgt Ion:142 Resp: 28219
Ion Ratio Lower Upper
142 100
141 89.3 70.3 105.5
115 34.6 29.2 43.8

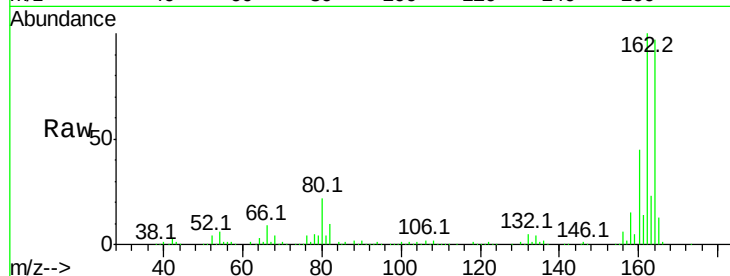




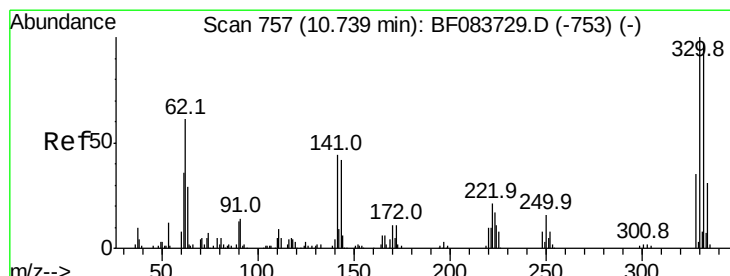
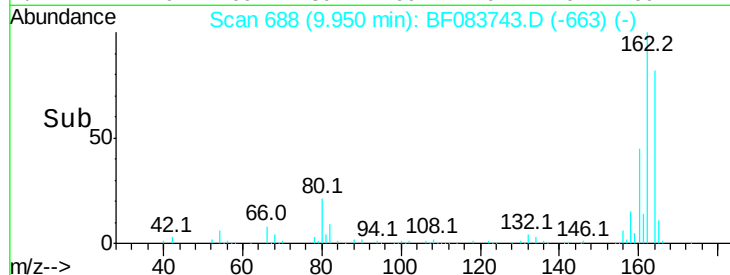
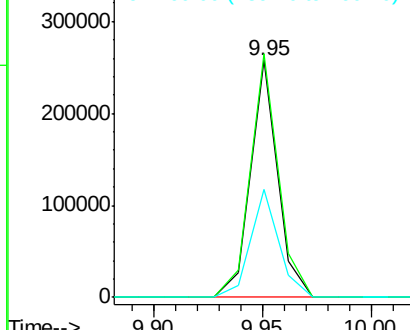
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	78.8	118.2
160	45.8	33.4	50.2

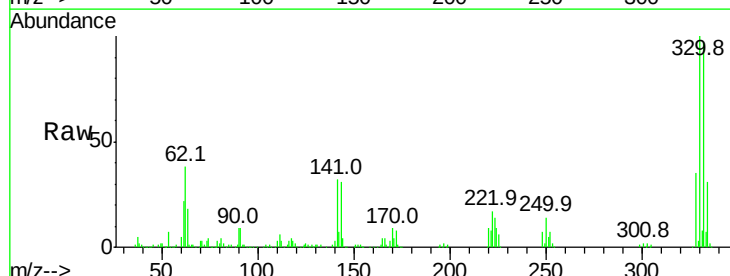


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

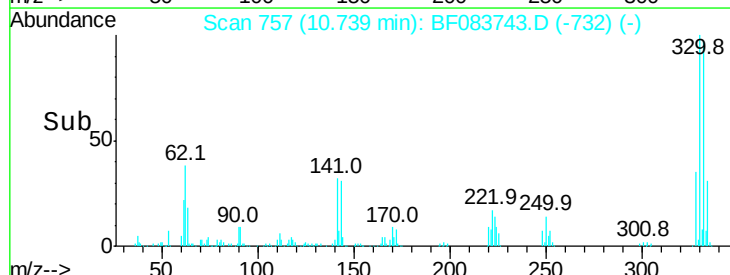
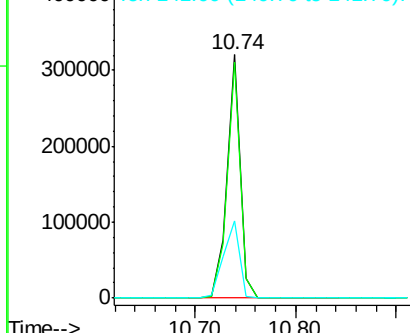


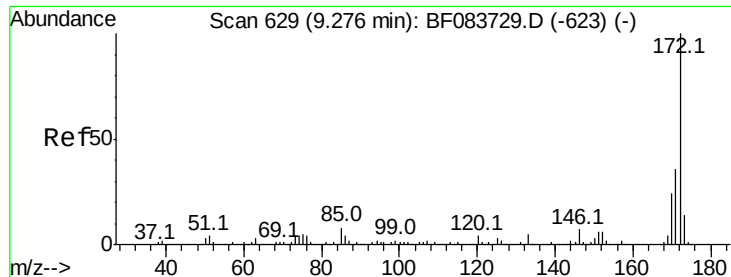
#41
 2,4,6-Tribromophenol
 Concen: 129.81 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	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

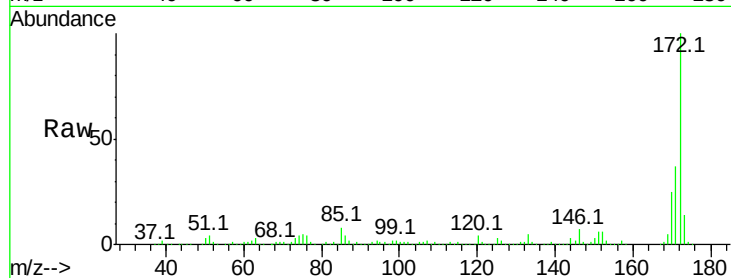




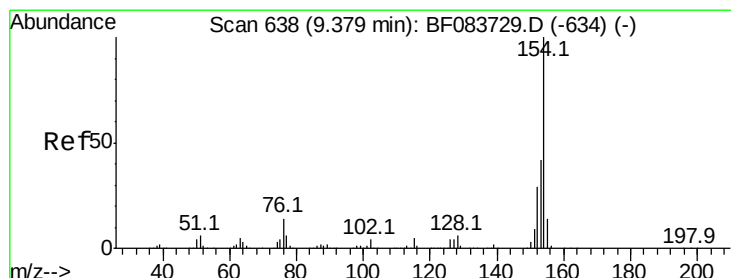
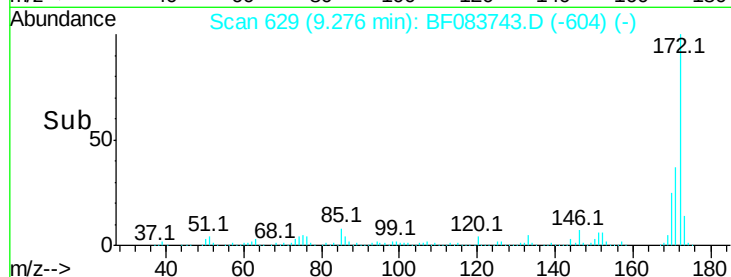
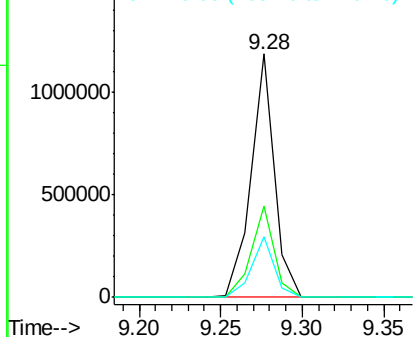
#44
2-Fluorobiphenyl
Concen: 74.84 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.01 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1177621
Ion Ratio Lower Upper
172 100
171 37.3 28.6 42.8
170 25.1 19.4 29.0

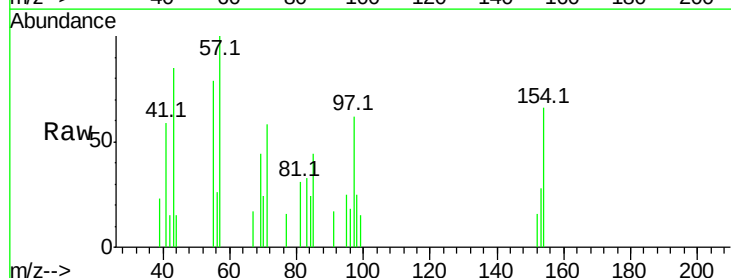


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

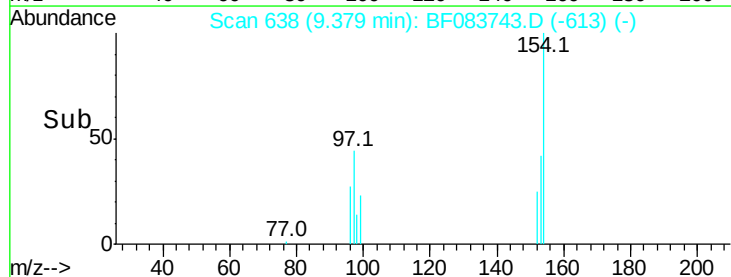
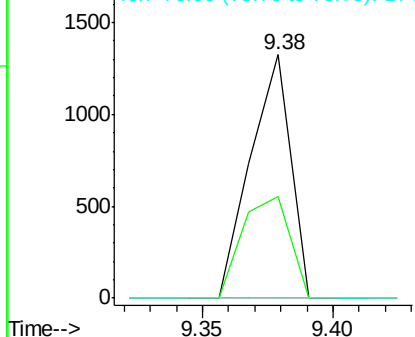


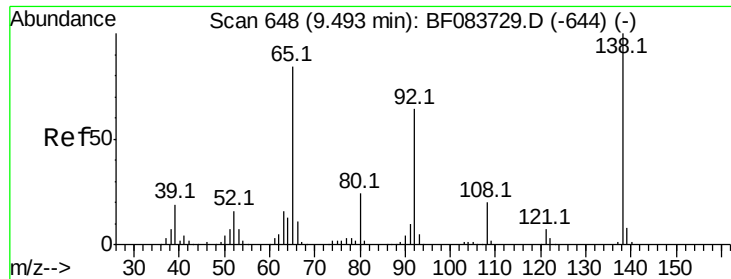
#45
1,1'-Biphenyl
Concen: 0.07 ng
RT: 9.38 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Tgt Ion:154 Resp: 1413
Ion Ratio Lower Upper
154 100
153 41.9 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

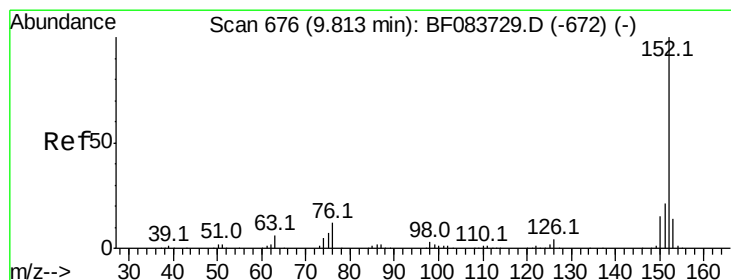
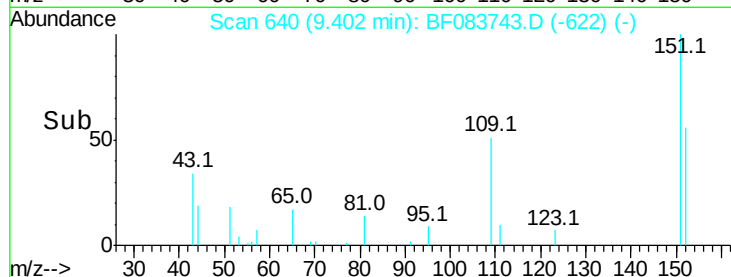
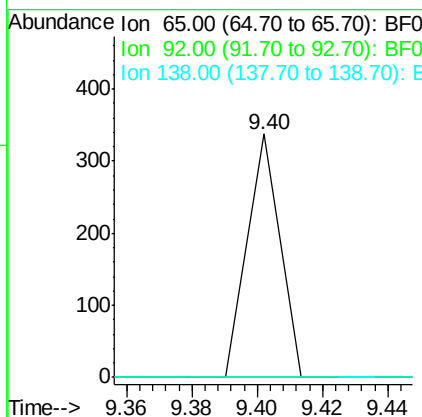
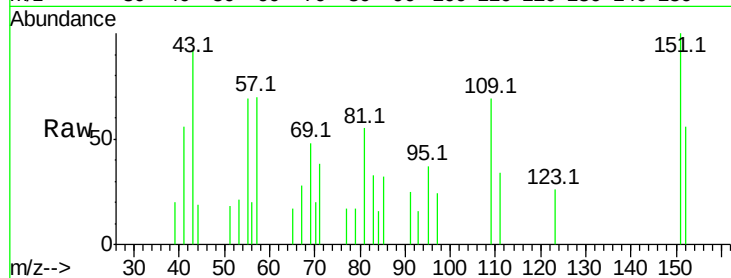




#47
 2-Nitroaniline
 Concen: 0.06 ng
 RT: 9.40 min Scan# 640
 Delta R.T. -0.09 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

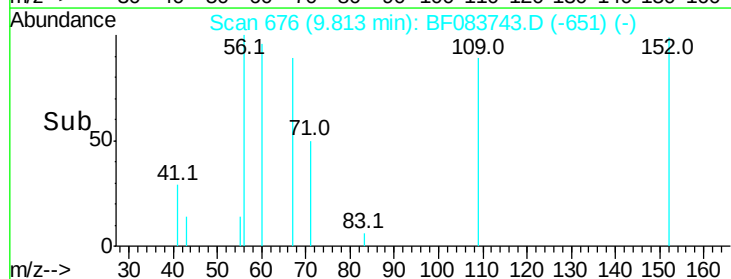
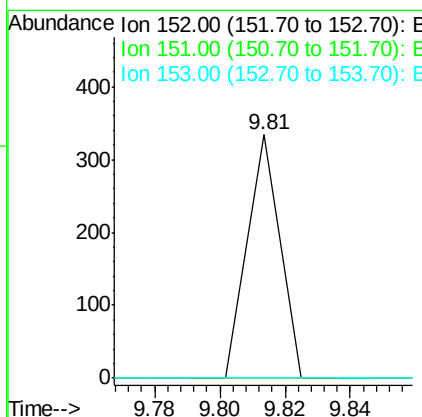
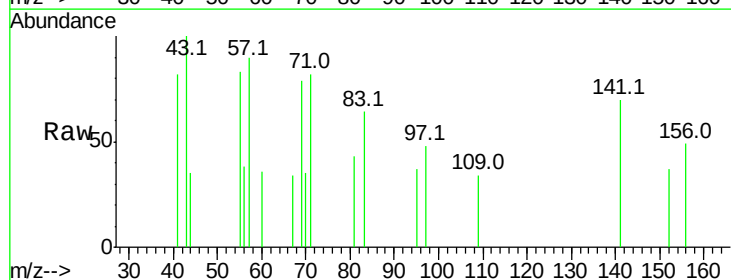
Instrument :
 BNA_F
 ClientSampleId :

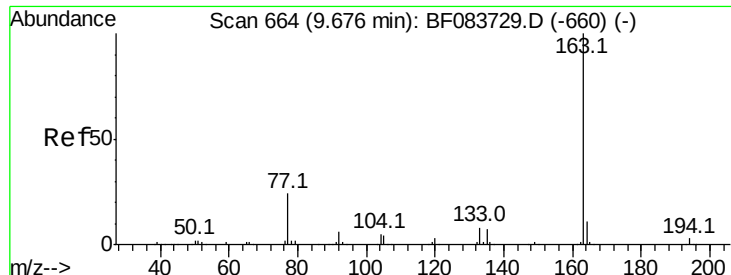
Tot Ion: 65 Resp: 232
 Ion Ratio Lower Upper
 65 100
 92 0.0 49.6 74.4#
 138 0.0 64.1 96.1#



#48
 Acenaphthylene
 Concen: 0.01 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

Tgt Ion: 152 Resp: 229
 Ion Ratio Lower Upper
 152 100
 151 0.0 16.3 24.5#
 153 0.0 10.8 16.2#





#49

Dimethylphthalate

Concen: 20.99 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

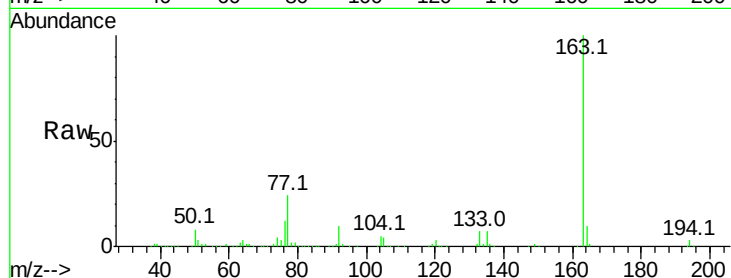
Tot Ion:163 Resp: 363892

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

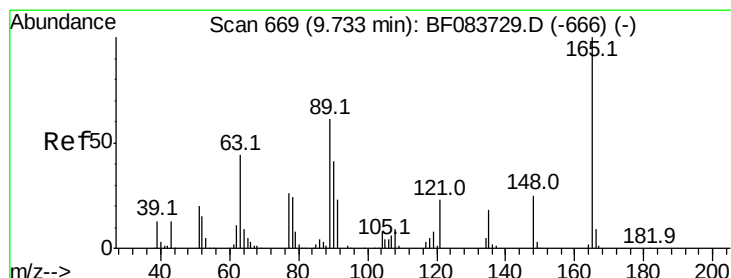
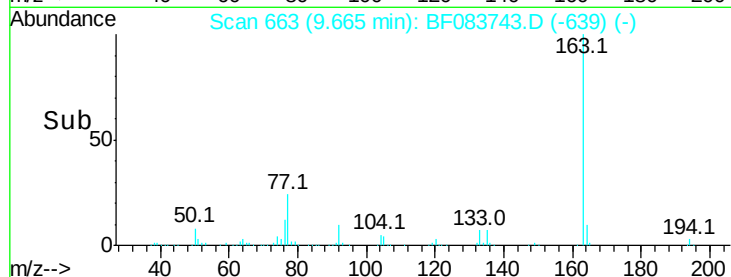
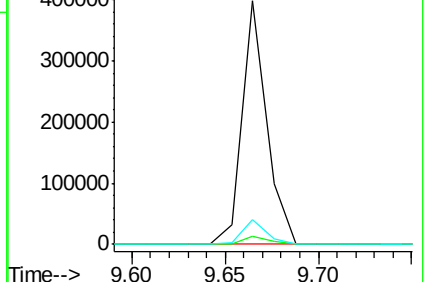
164 10.3 8.6 13.0



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: 1.15 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.08 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

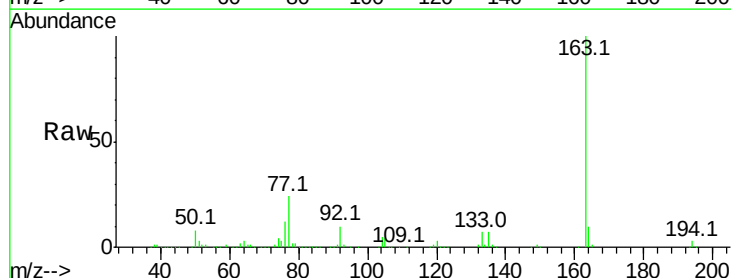
Tgt Ion:165 Resp: 4233

Ion Ratio Lower Upper

165 100

63 157.4 56.9 85.3#

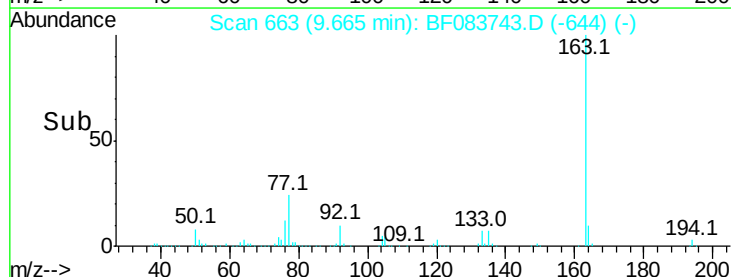
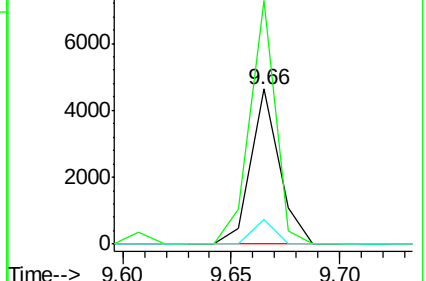
89 15.9 52.1 78.1#

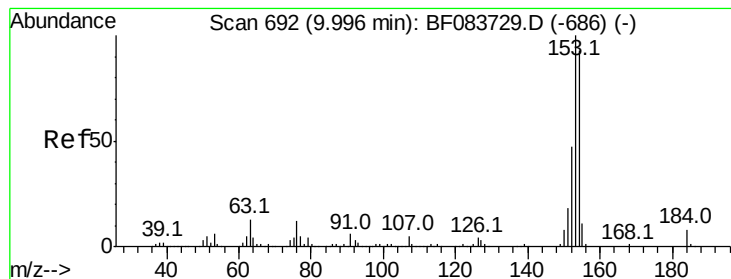


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.06 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.05 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

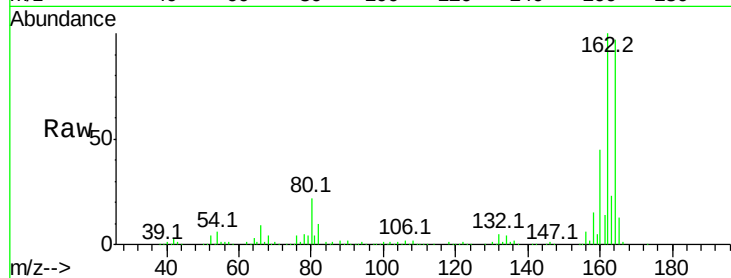
Tot Ion:154 Resp: 909

Ion Ratio Lower Upper

154 100

153 0.0 91.4 137.0#

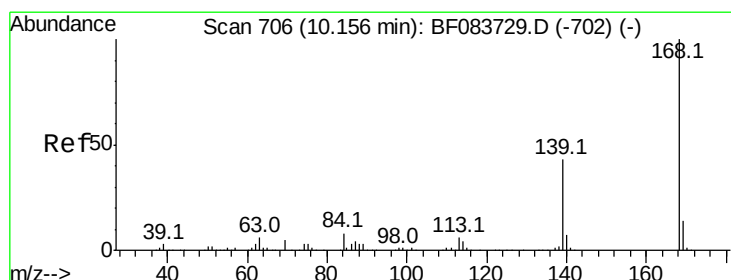
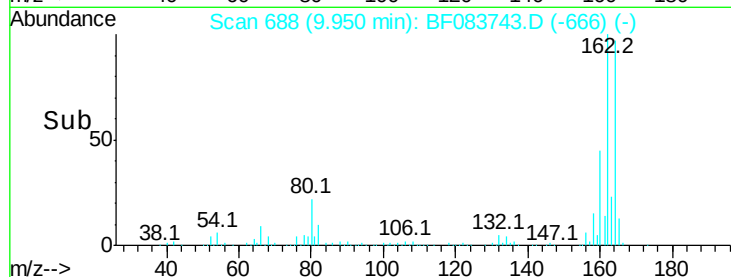
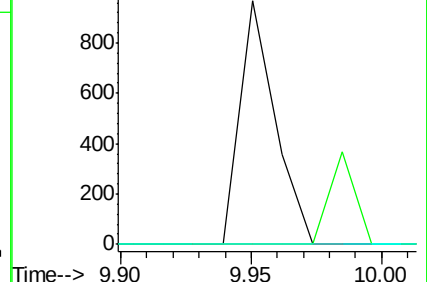
152 0.0 43.4 65.2#



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: 0.05 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

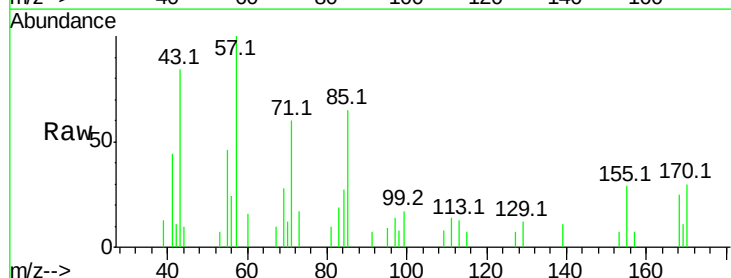
Tgt Ion:168 Resp: 998

Ion Ratio Lower Upper

168 100

139 44.8 28.0 42.0#

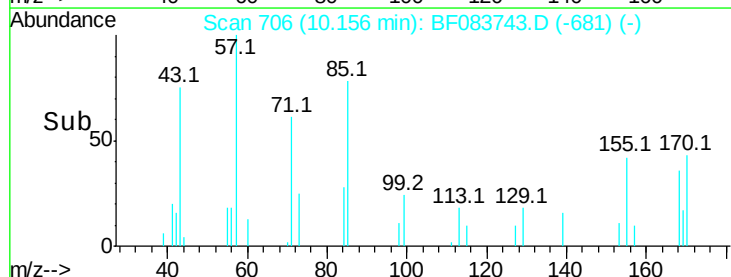
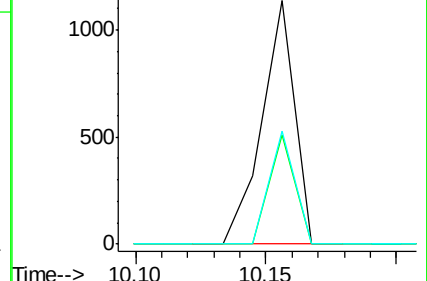
169 46.2 10.8 16.2#

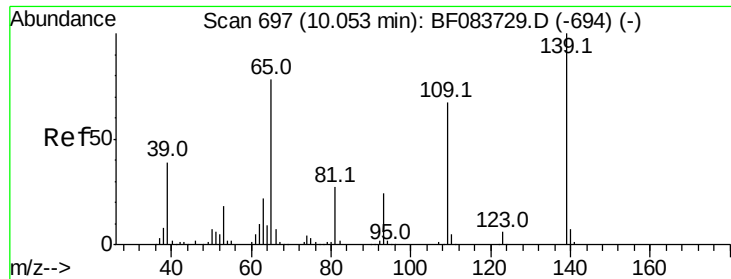


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

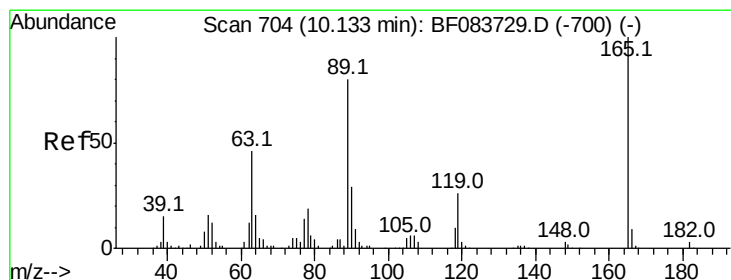
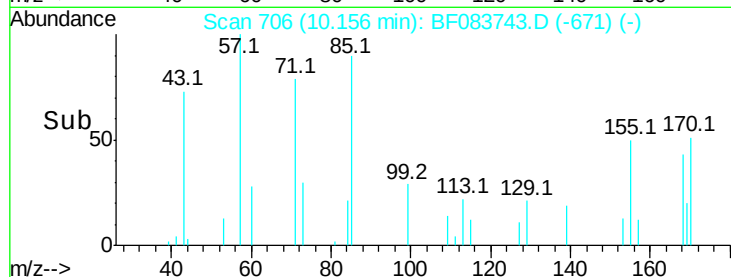
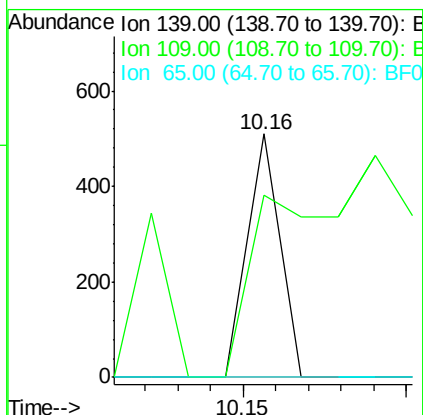
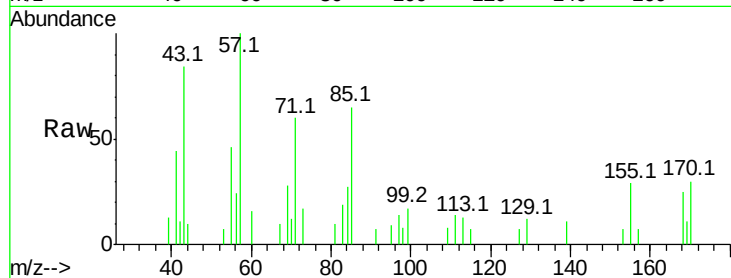




#55
4-Nitrophenol
Concen: 0.11 na
RT: 10.16 min Scan# 706
Delta R.T. 0.10 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

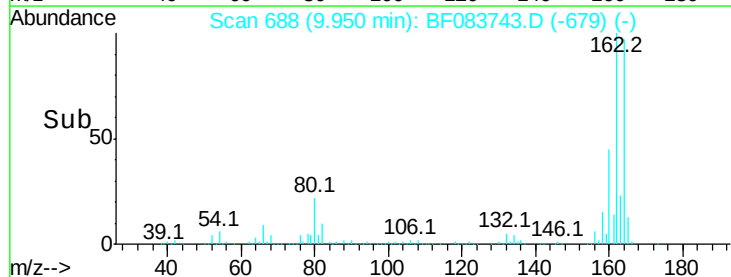
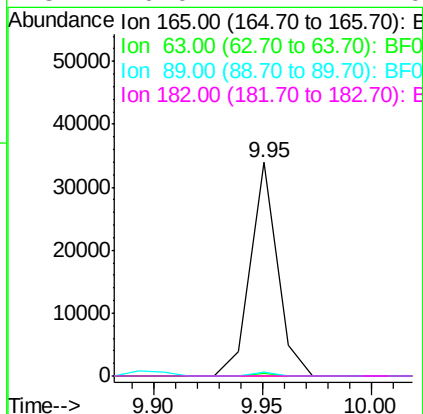
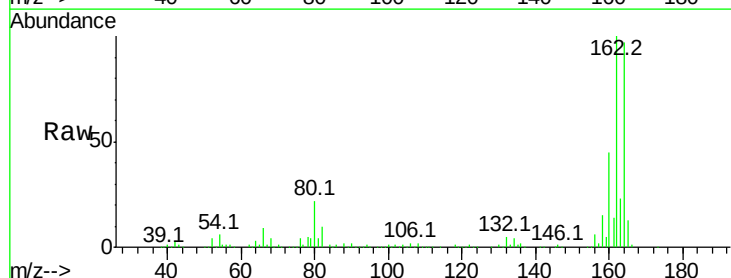
Instrument :
BNA_F
ClientSampleId :

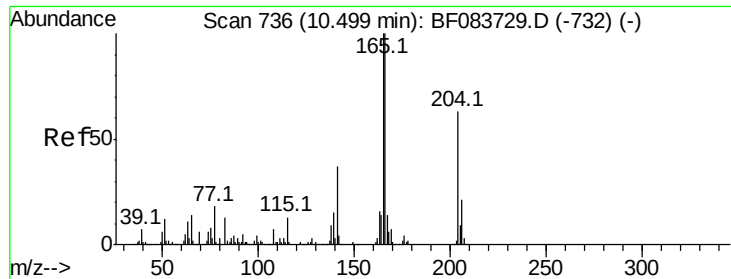
Tot Ion:139 Resp: 350
Ion Ratio Lower Upper
139 100
109 75.1 42.0 82.0
65 0.0 89.2 129.2#



#56
2,4-Dinitrotoluene
Concen: 6.09 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.19 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Tgt Ion:165 Resp: 29294
Ion Ratio Lower Upper
165 100
63 1.5 51.4 77.2#
89 1.8 72.6 108.8#
182 0.0 1.4 2.0#

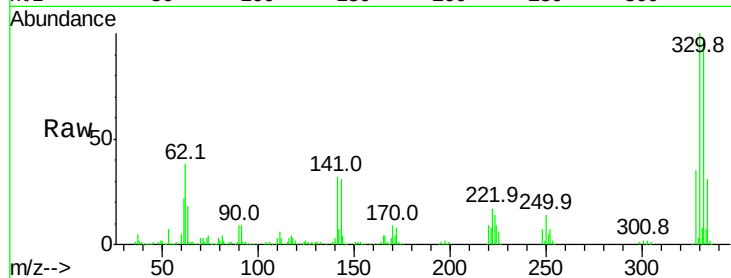




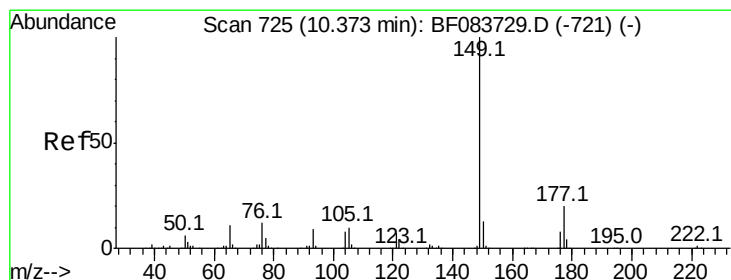
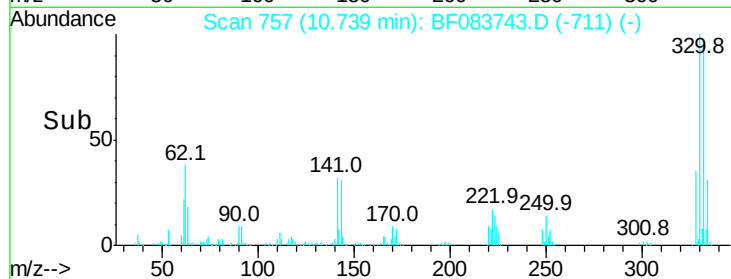
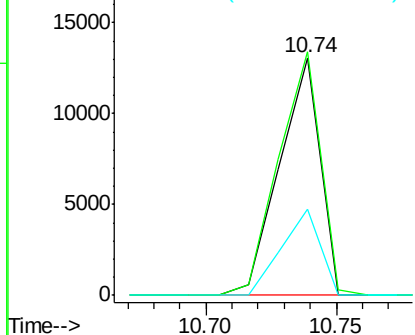
#57
 Fluorene
 Concen: 0.91 ng
 RT: 10.74 min Scan# 757
 Delta R.T. 0.23 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 14102
 Ion Ratio Lower Upper
 166 100
 165 102.5 80.0 120.0
 167 36.2 10.6 16.0#

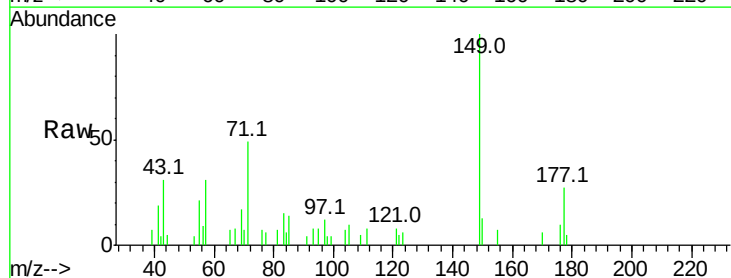


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

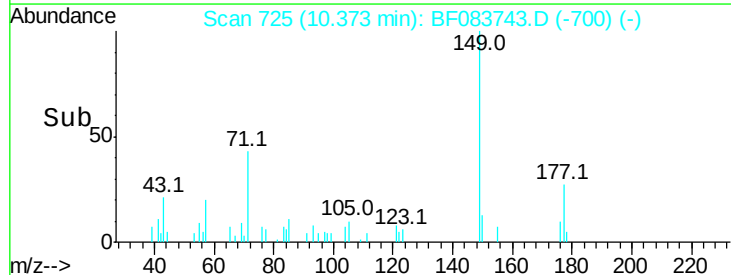
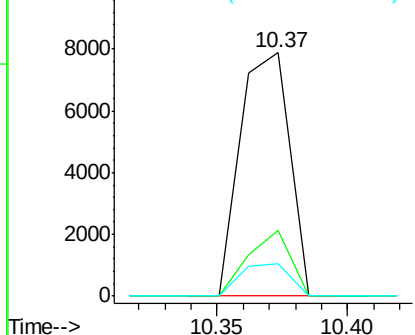


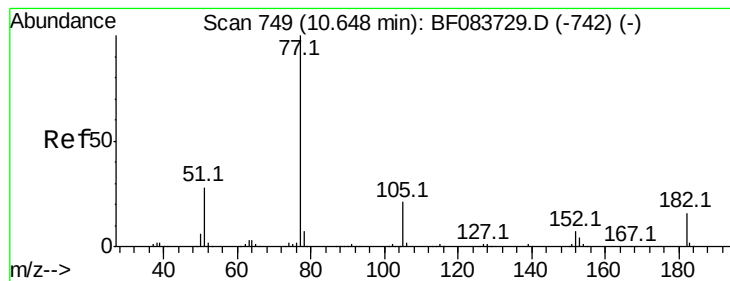
#59
 Diethylphthalate
 Concen: 0.59 ng
 RT: 10.37 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

Tgt Ion:149 Resp: 10364
 Ion Ratio Lower Upper
 149 100
 177 26.8 16.9 25.3#
 150 13.2 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: 0.04 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 618

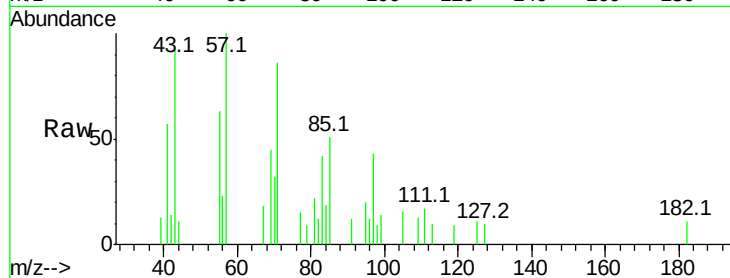
Ion Ratio Lower Upper

77 100

182 72.4 2.5 42.5#

105 105.9 2.1 42.1#

51 0.0 9.3 49.3#

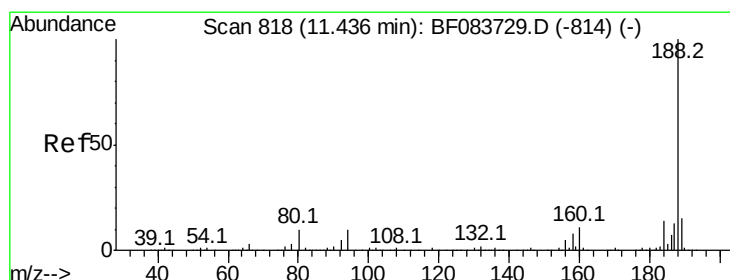
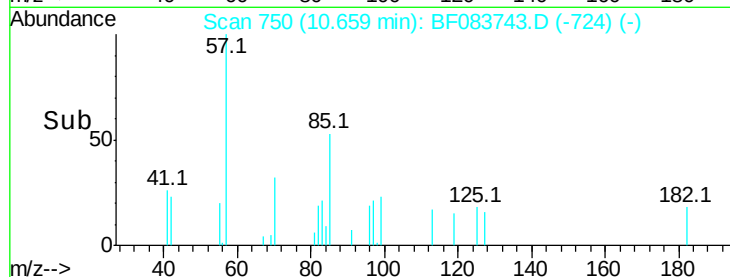
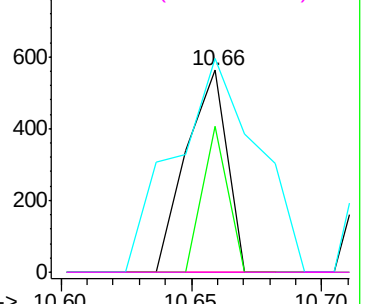


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

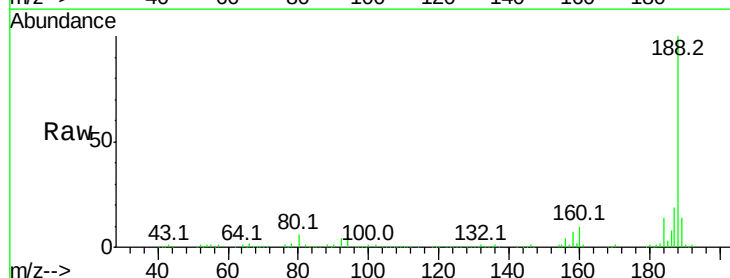
Tgt Ion: 188 Resp: 398502

Ion Ratio Lower Upper

188 100

94 6.0 9.4 14.2#

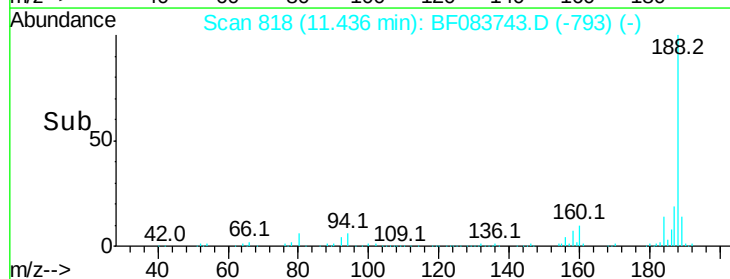
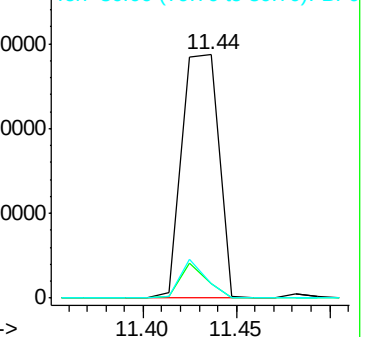
80 6.1 10.6 16.0#

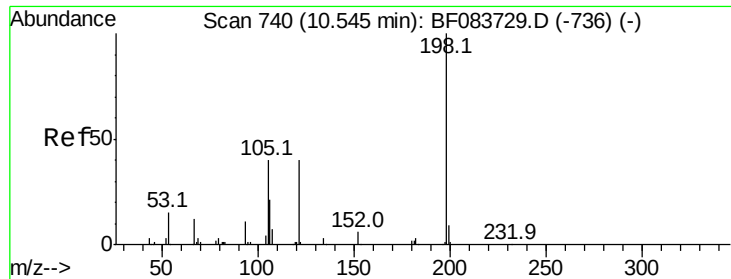


Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.28 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.20 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

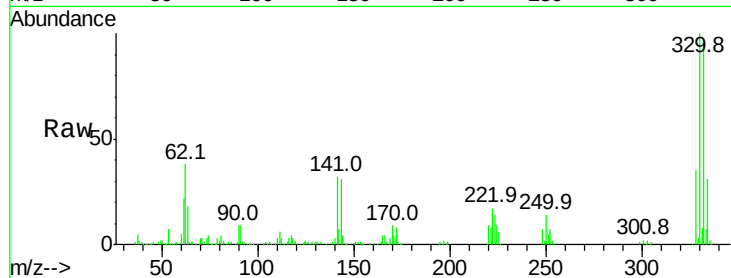
Tot Ion:198 Resp: 625

Ion Ratio Lower Upper

198 100

51 168.6 53.8 93.8#

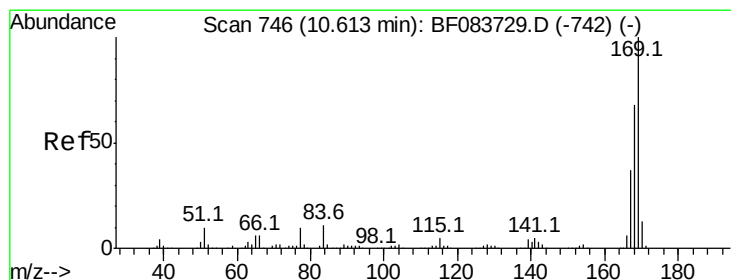
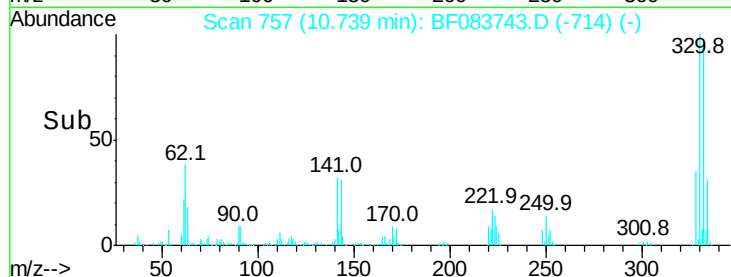
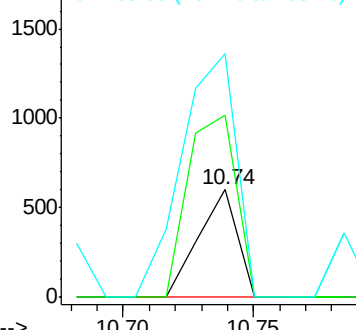
105 225.9 38.6 78.6#



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: 0.10 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

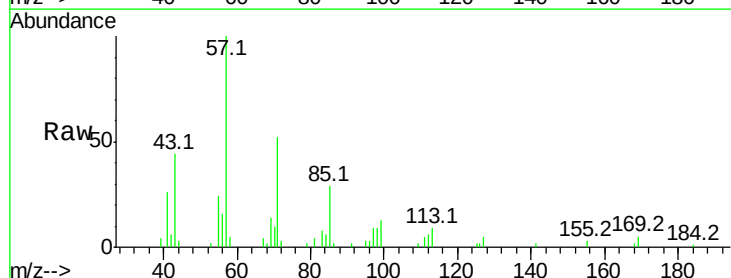
Tgt Ion:169 Resp: 1422

Ion Ratio Lower Upper

169 100

168 35.5 53.0 79.6#

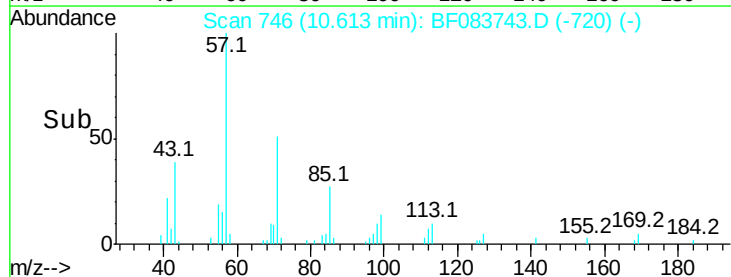
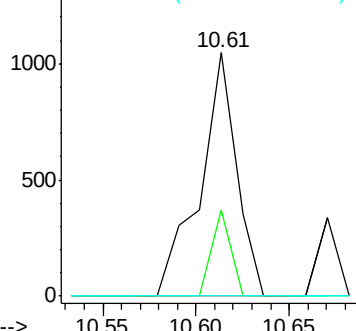
167 0.0 29.3 43.9#

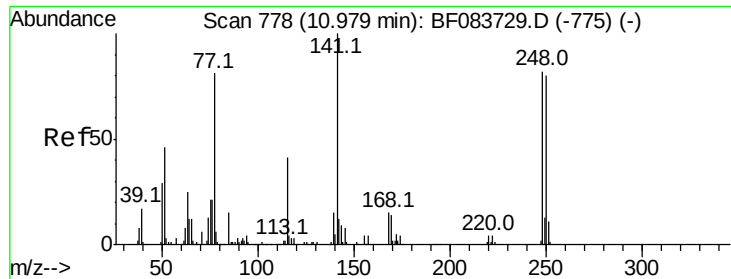


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

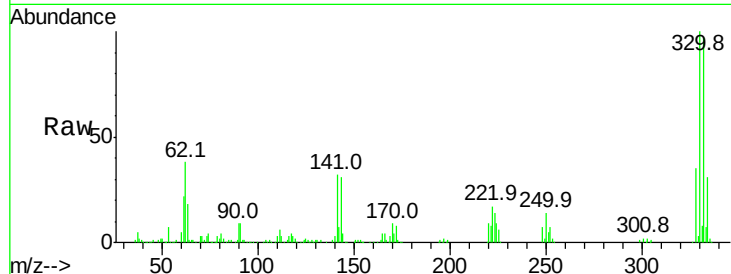




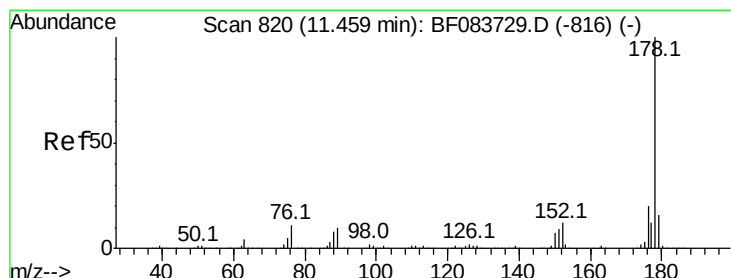
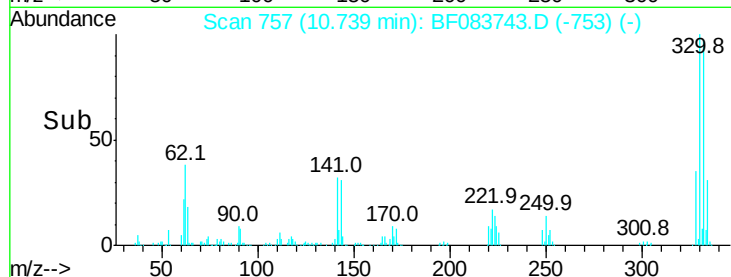
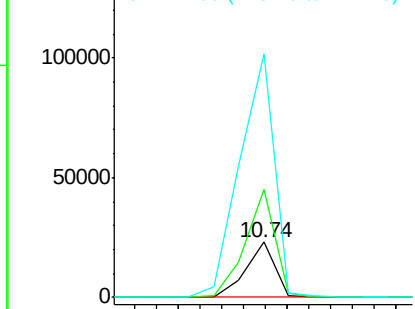
#66
 4-Bromophenyl-phenylether
 Concen: 4.78 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.25 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 21315
 Ion Ratio Lower Upper
 248 100
 250 195.2 79.2 118.8#
 141 442.0 58.2 87.4#

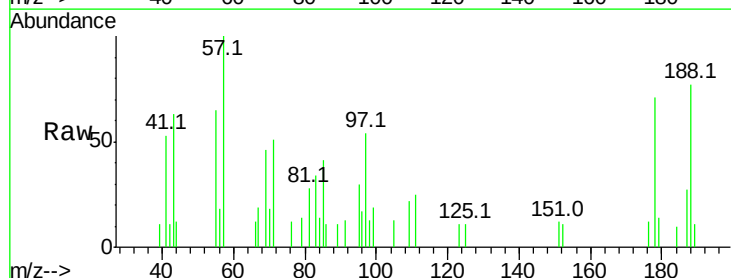


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

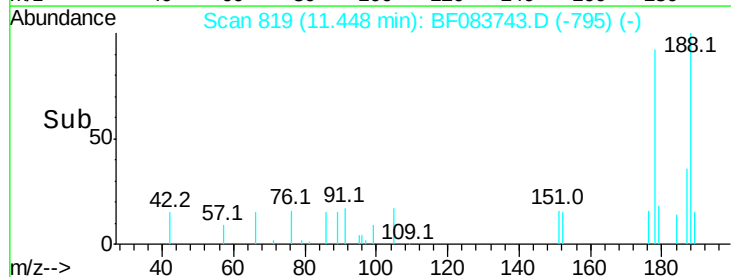
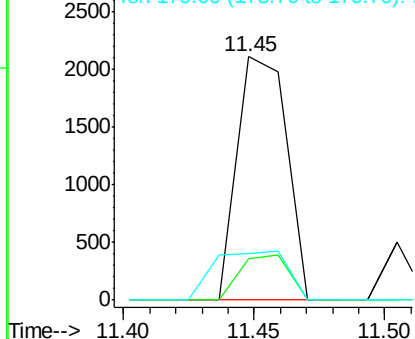


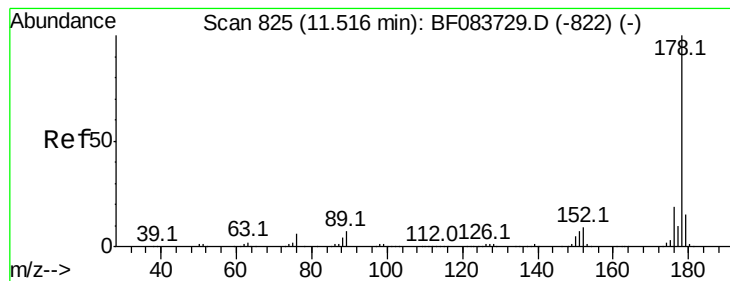
#70
 Phenanthrene
 Concen: 0.13 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF083743.D
 Acq: 13 Dec 2015 21:44

Tgt Ion:178 Resp: 2806
 Ion Ratio Lower Upper
 178 100
 176 16.8 15.7 23.5
 179 19.1 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: 0.02 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

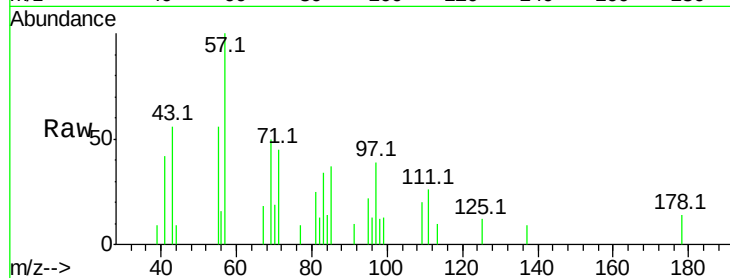
Tot Ion:178 Resp: 345

Ion Ratio Lower Upper

178 100

176 0.0 15.2 22.8#

179 0.0 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

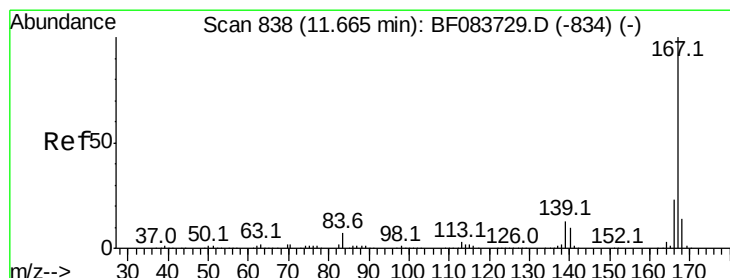
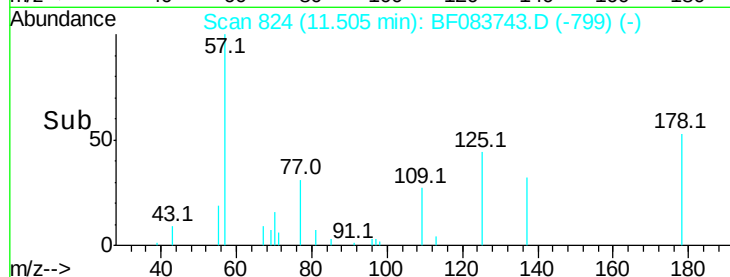
11.50

400

200

0

11.48 11.50 11.52



#72

Carbazole

Concen: 0.02 ng

RT: 11.65 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

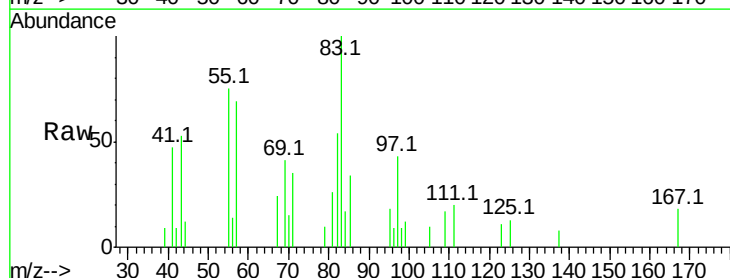
Tgt Ion:167 Resp: 438

Ion Ratio Lower Upper

167 100

166 0.0 17.2 25.8#

139 0.0 9.3 13.9#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

11.65

800

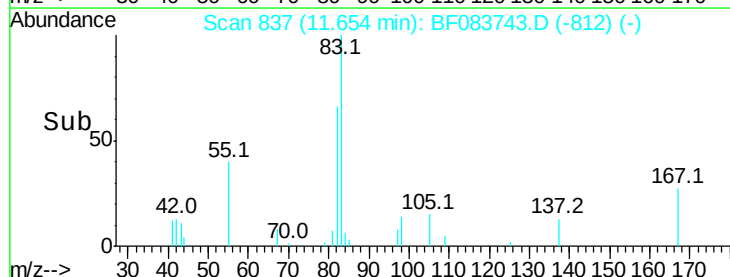
600

400

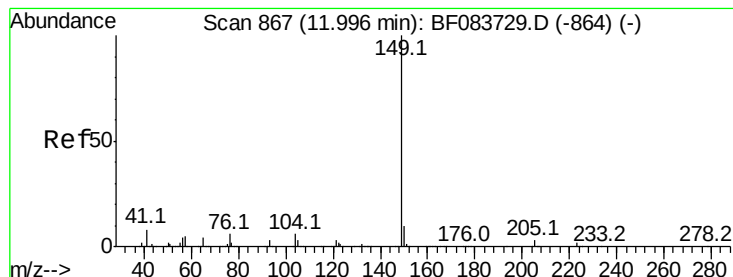
200

0

11.65



Time-->



#73

Di-n-butylphthalate

Concen: 0.13 ng

RT: 12.00 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

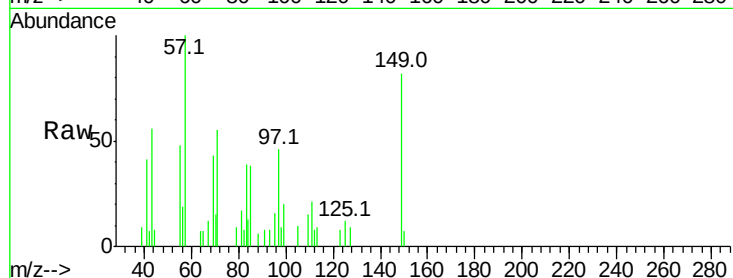
Tot Ion:149 Resp: 3295

Ion Ratio Lower Upper

149 100

150 8.8 7.8 11.6

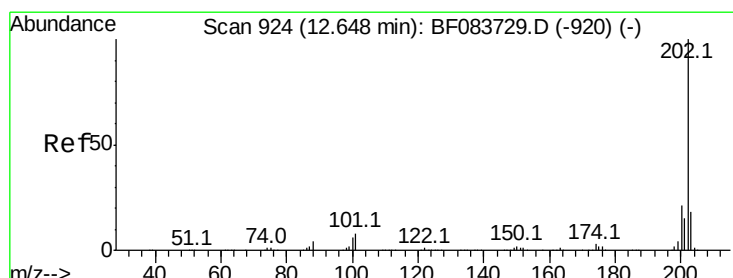
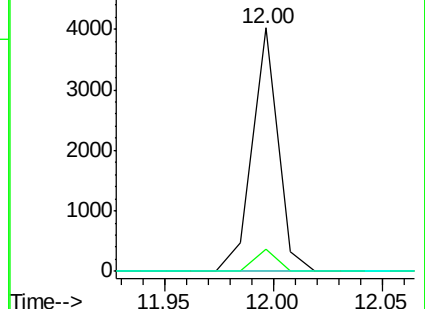
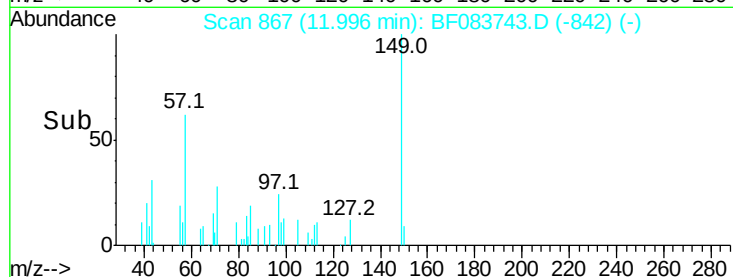
104 0.0 3.9 5.9#



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: 0.04 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

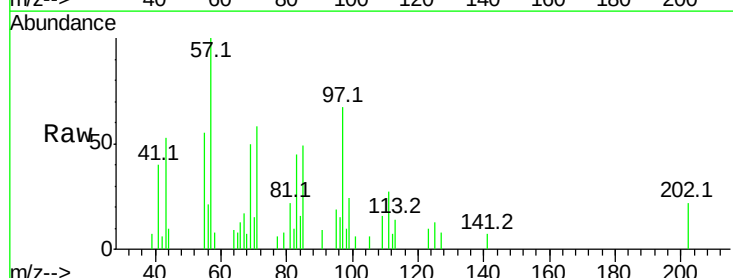
Tgt Ion:202 Resp: 786

Ion Ratio Lower Upper

202 100

101 27.6 0.0 31.5

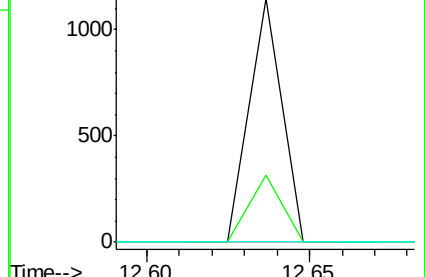
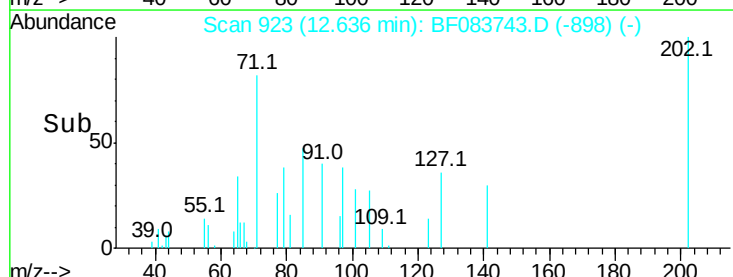
203 0.0 0.0 37.6

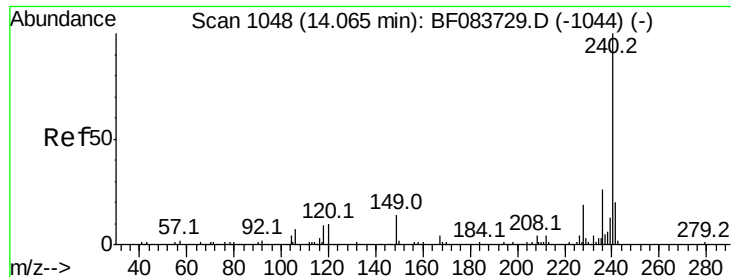


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

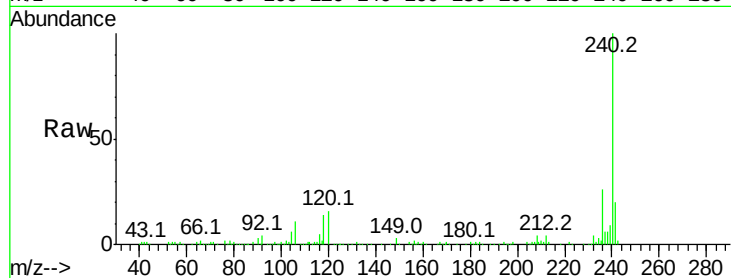
Tot Ion:240 Resp: 279489

Ion Ratio Lower Upper

240 100

120 16.4 8.1 12.1#

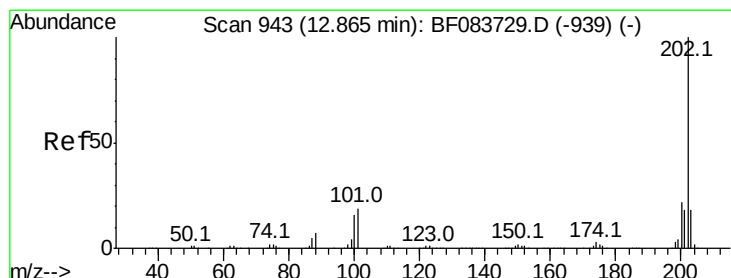
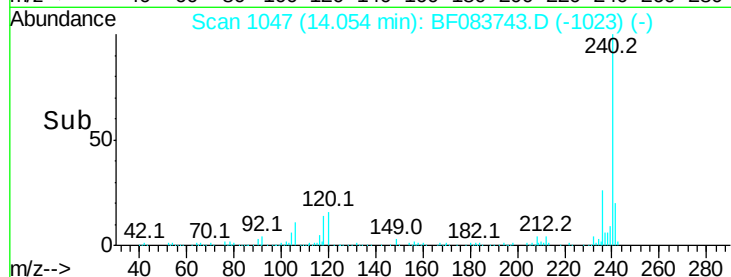
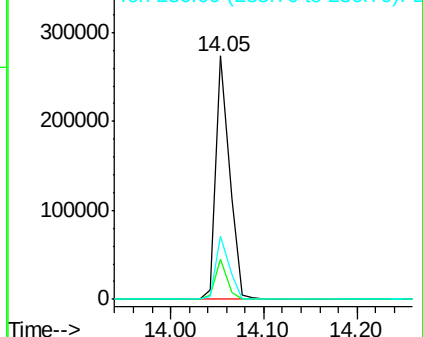
236 26.2 20.8 31.2



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: 0.03 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

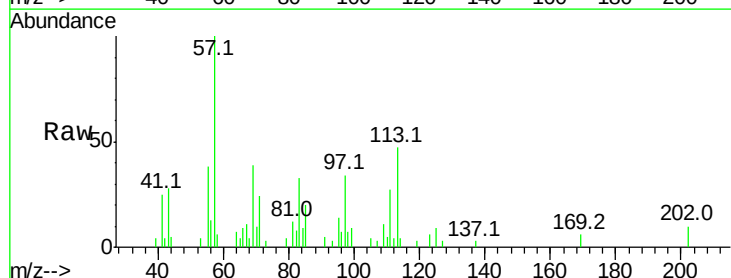
Tgt Ion:202 Resp: 668

Ion Ratio Lower Upper

202 100

200 0.0 16.7 25.1#

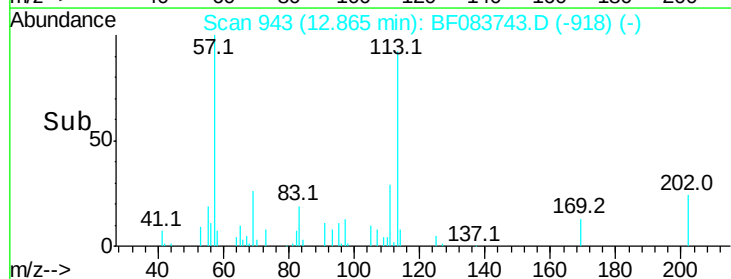
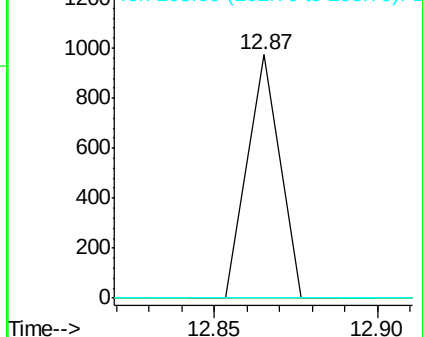
203 0.0 14.3 21.5#

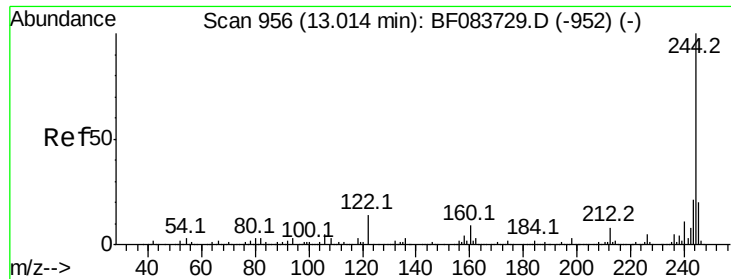


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.17 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampled :

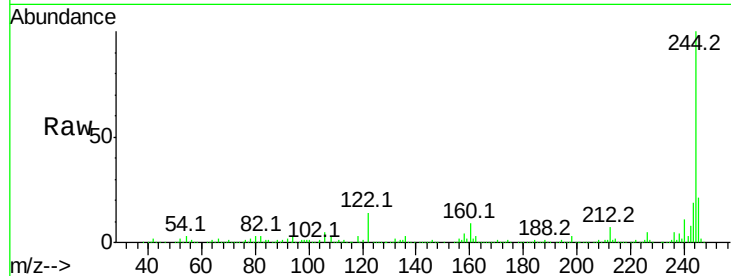
Tot Ion:244 Resp: 1015613

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

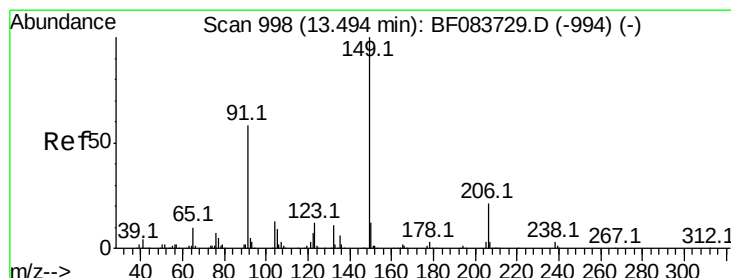
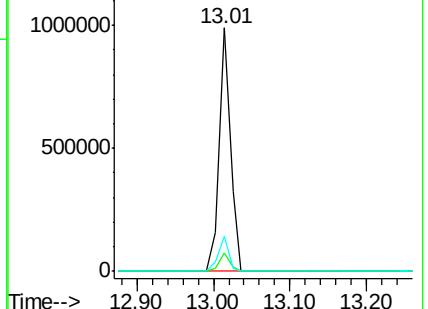
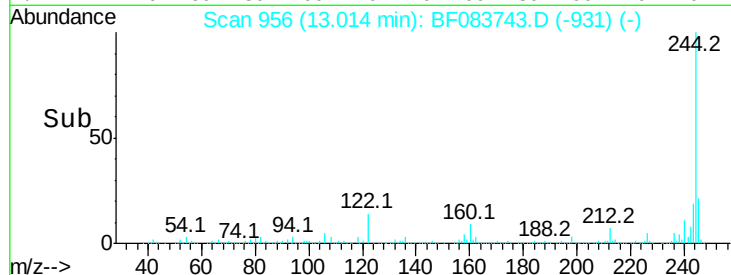
122 14.2 11.0 16.6



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



#79

Butylbenzylphthalate

Concen: 0.07 ng

RT: 13.49 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

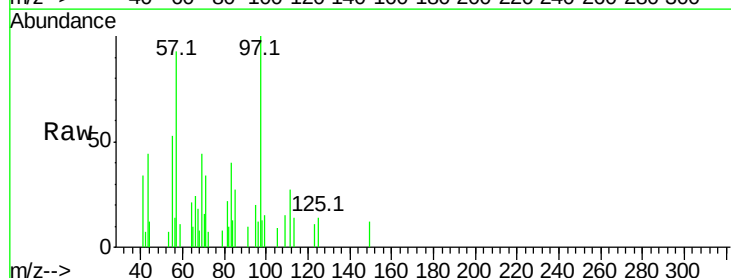
Tgt Ion:149 Resp: 671

Ion Ratio Lower Upper

149 100

91 82.2 60.0 90.0

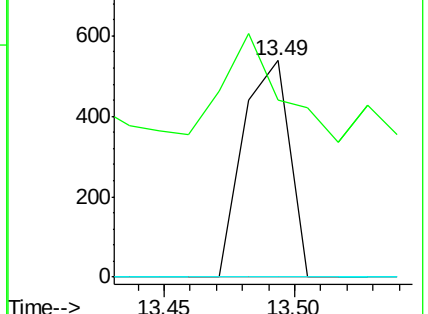
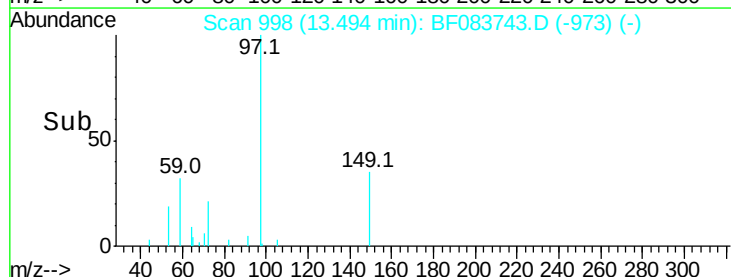
206 0.0 16.2 24.4#

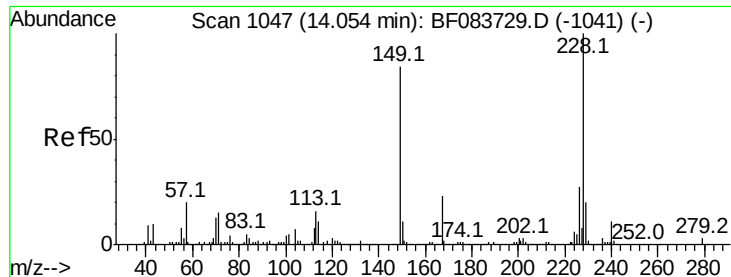


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.11 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

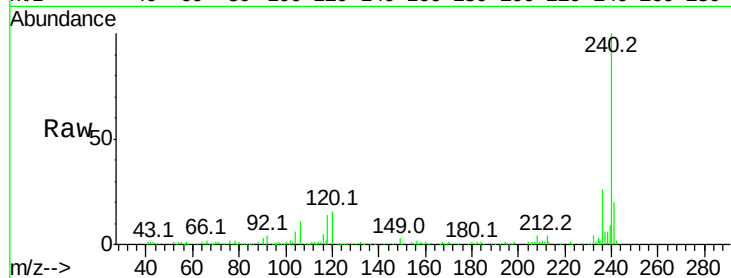
Tot Ion:228 Resp: 1797

Ion Ratio Lower Upper

228 100

226 0.0 22.3 33.5#

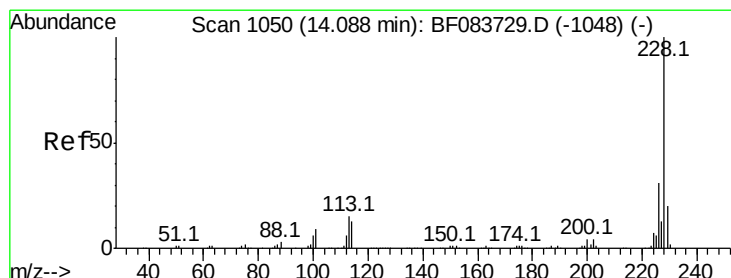
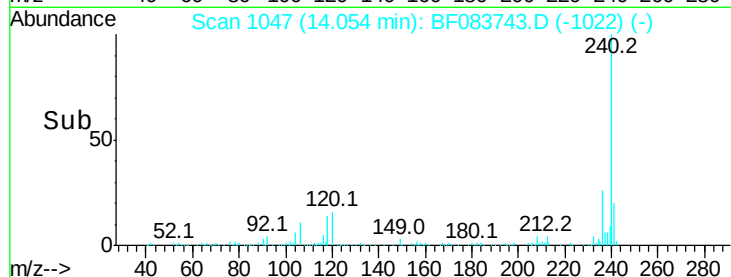
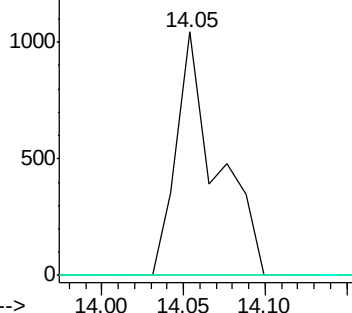
229 0.0 15.7 23.5#



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: 0.12 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.05 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

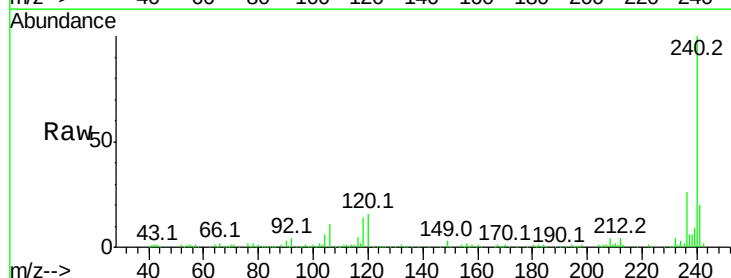
Tgt Ion:228 Resp: 1797

Ion Ratio Lower Upper

228 100

226 0.0 24.7 37.1#

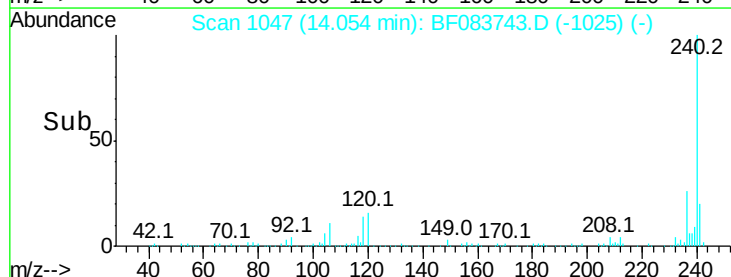
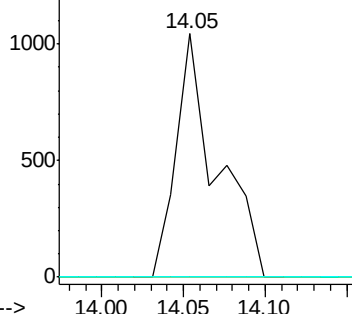
229 0.0 16.3 24.5#

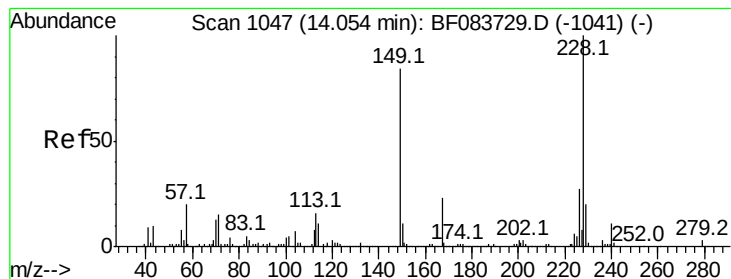


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.90 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

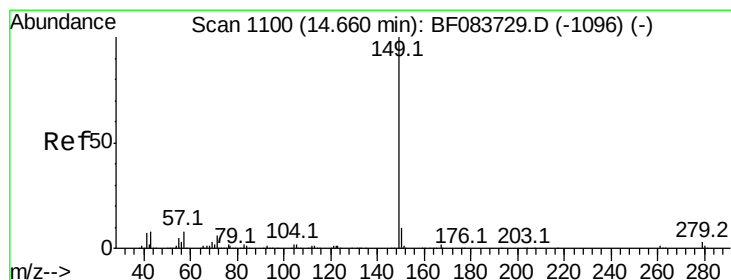
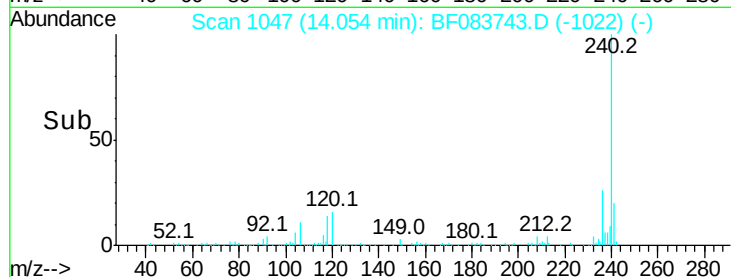
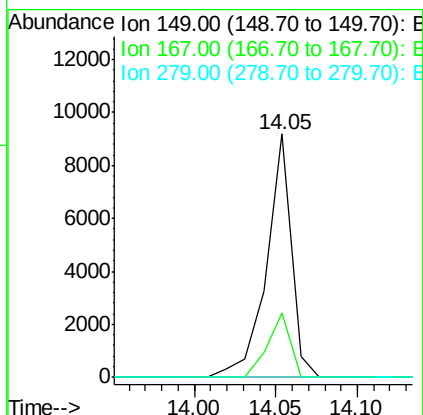
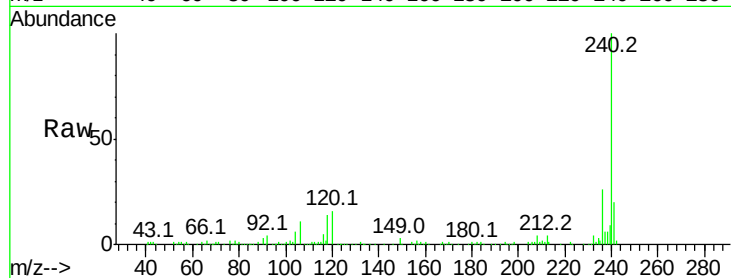
Tot Ion:149 Resp: 9745

Ion Ratio Lower Upper

149 100

167 26.6 21.8 32.8

279 0.0 3.0 4.4#



#84

Di-n-octyl phthalate

Concen: 0.13 ng

RT: 14.69 min Scan# 1103

Delta R.T. 0.02 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

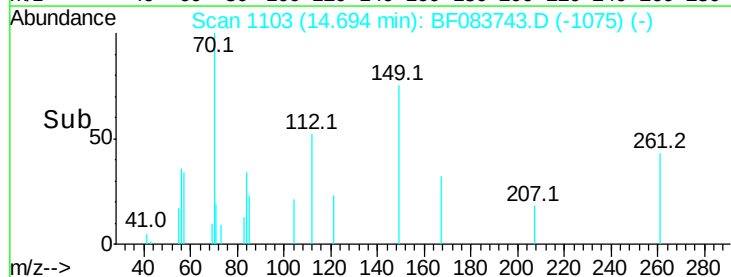
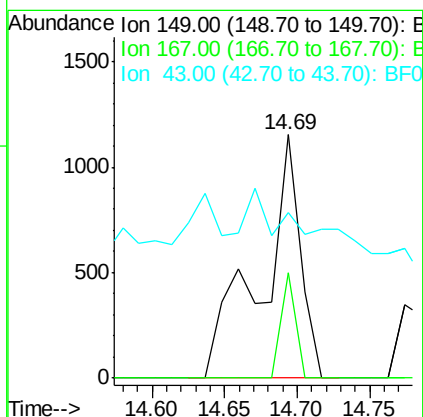
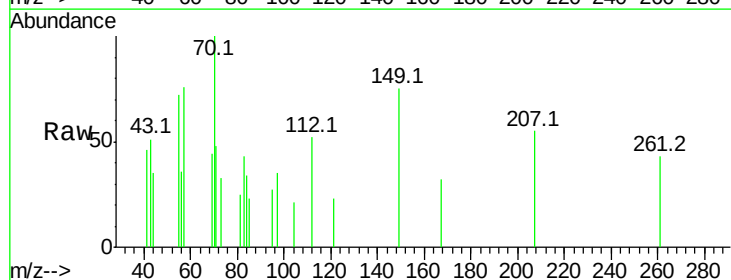
Tgt Ion:149 Resp: 2162

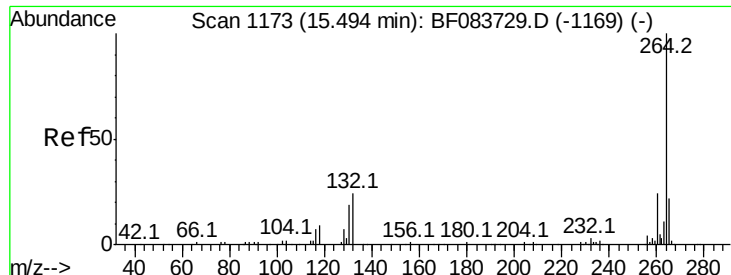
Ion Ratio Lower Upper

149 100

167 15.9 0.0 0.0#

43 0.0 0.0 0.0

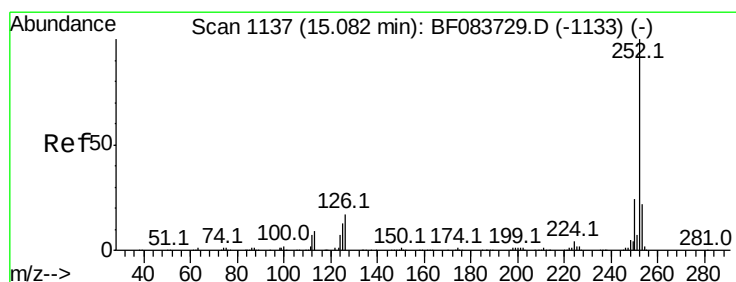
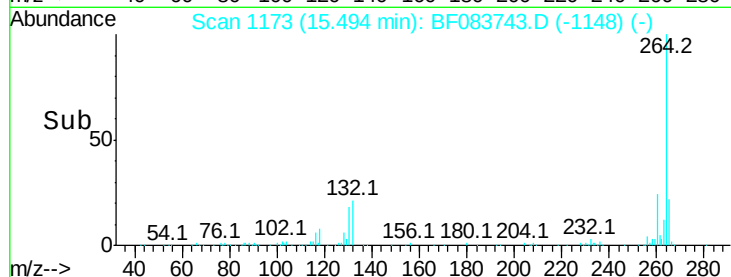
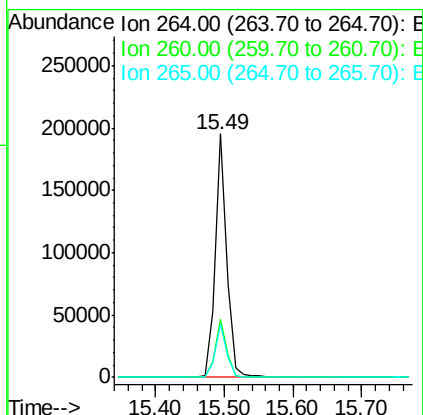
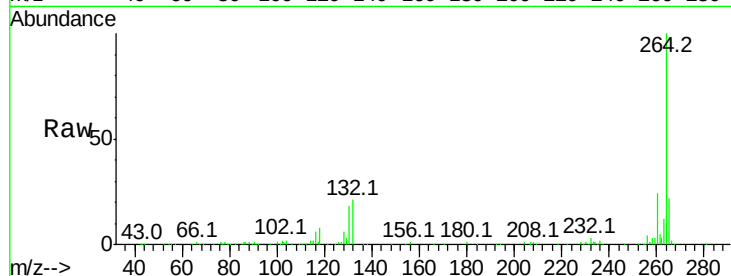




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

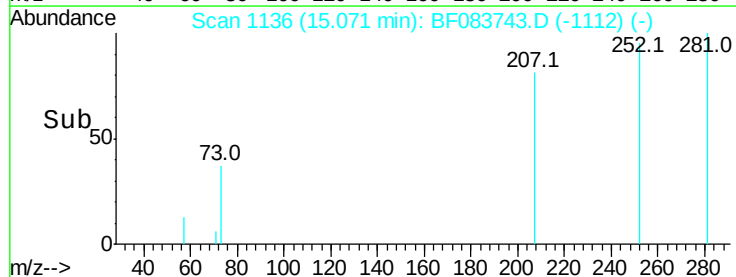
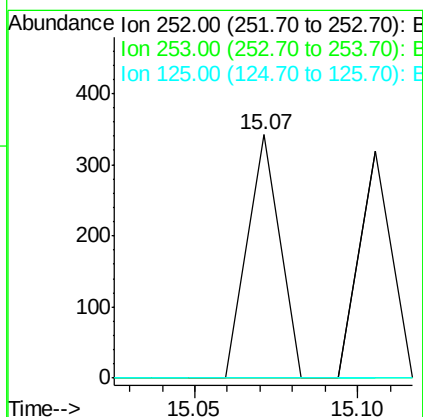
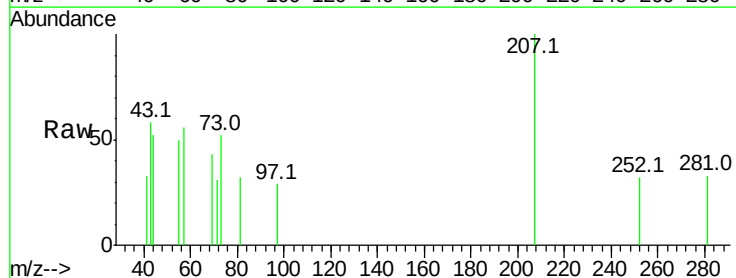
Instrument :
BNA_F
ClientSampleId :

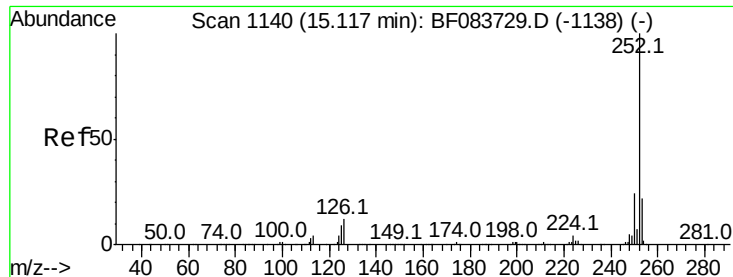
Tot Ion:264 Resp: 234063
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.0
265 21.7 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF083743.D
Acq: 13 Dec 2015 21:44

Tgt Ion:252 Resp: 235
Ion Ratio Lower Upper
252 100
253 0.0 18.2 27.4#
125 0.0 8.2 12.4#





#88

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 15.11 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

Instrument :

BNA_F

ClientSampleId :

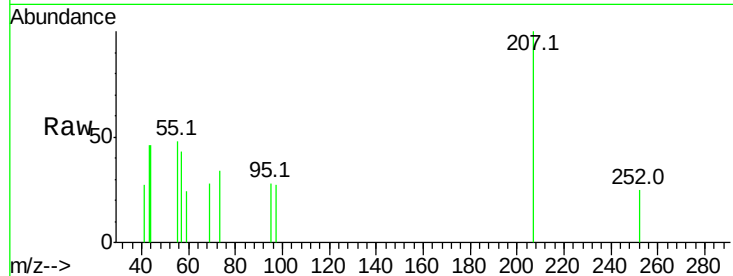
Tot Ion:252 Resp: 219

Ion Ratio Lower Upper

252 100

253 0.0 18.6 27.8#

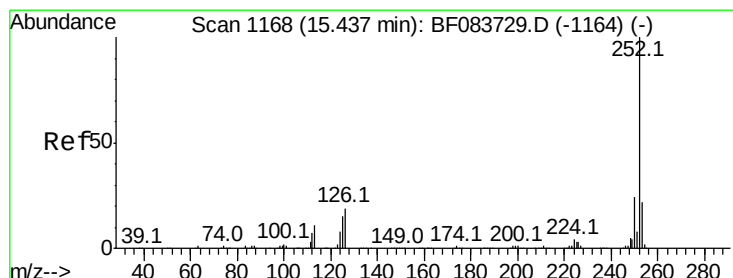
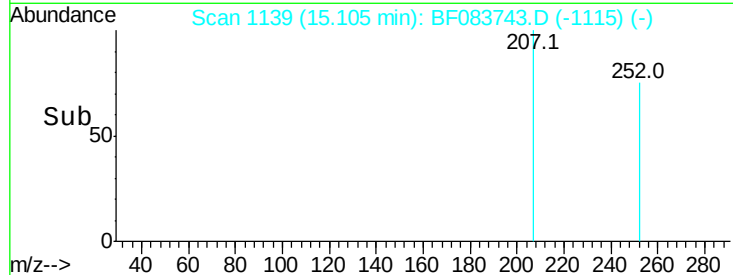
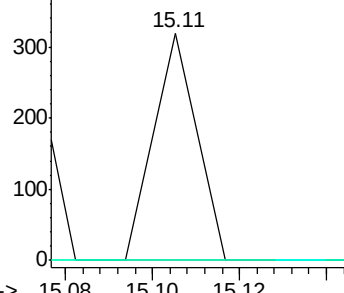
125 0.0 11.5 17.3#



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: 0.03 ng

RT: 15.49 min Scan# 1173

Delta R.T. 0.05 min

Lab File: BF083743.D

Acq: 13 Dec 2015 21:44

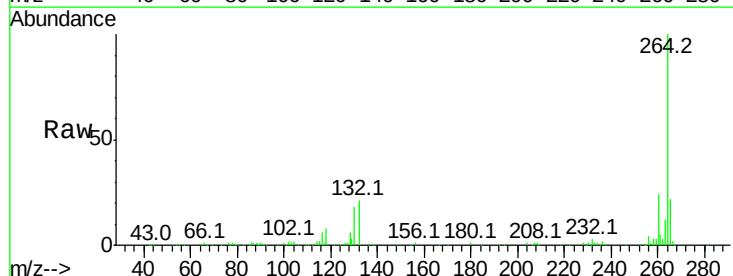
Tgt Ion:252 Resp: 385

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

