

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083741.D
 Acq On : 13 Dec 2015 20:48
 Operator : UM/IZ
 Sample : G4648-23
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 02:32:16 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	114534	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	512044	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	244959	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	473154	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	320300	20.00	ng	-0.02
86) Perylene-d12	15.49	264	253959	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	862077	121.43	ng	0.00
7) Phenol-d6	6.54	99	942546	104.84	ng	0.00
23) Nitrobenzene-d5	7.48	82	688955	75.28	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	283986	113.77	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	1130547	62.63	ng	-0.01
78) Terphenyl-d14	13.01	244	978969	65.75	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.60	93	4511	0.37	ng	# 1
8) 2-Chlorophenol	6.70	128	601	0.07	ng	# 52
9) Benzaldehyde	6.45	77	76116	15.76	ng	# 1
10) Phenol	6.56	94	20279	1.96	ng	# 94
11) bis(2-Chloroethyl)ether	6.68	93	3266	0.44	ng	# 1
15) Benzyl Alcohol	7.08	79	25183	3.81	ng	# 42
16) 2,2'-oxybis(1-Chloropropan	6.99	45	289	0.03	ng	# 1
17) 2-Methylphenol	7.21	107	6031	0.90	ng	# 1
18) Hexachloroethane	7.46	117	59928	18.86	ng	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	40056	7.28	ng	# 61
20) 3+4-Methylphenols	7.32	107	3069	0.39	ng	# 1
22) Acetophenone	7.32	105	346755	27.60	ng	# 55
24) Nitrobenzene	7.46	77	44187	4.64	ng	# 53
25) Isophorone	7.73	82	40673	2.27	ng	# 1
26) 2-Nitrophenol	7.84	139	2290	0.50	ng	# 1
27) 2,4-Dimethylphenol	7.87	122	7289	0.81	ng	# 11
28) bis(2-Chloroethoxy)methane	7.95	93	3474	0.34	ng	# 1
29) 2,4-Dichlorophenol	8.05	162	3482	0.47	ng	# 39
31) Naphthalene	8.22	128	175695	6.58	ng	# 99
32) Benzoic acid	7.92	122	435	0.08	ng	# 1
33) 4-Chloroaniline	8.22	127	28008	2.57	ng	# 37
35) Caprolactam	8.64	113	1931	0.81	ng	# 83
36) 4-Chloro-3-methylphenol	8.75	107	1043	0.12	ng	# 26
37) 2-Methylnaphthalene	8.91	142	12229	0.73	ng	# 98
45) 1,1'-Biphenyl	9.38	154	674	0.03	ng	# 43
47) 2-Nitroaniline	9.66	65	3190	0.70	ng	# 1
48) Acenaphthylene	9.61	152	206	0.01	ng	# 1
49) Dimethylphthalate	9.66	163	307412	16.10	ng	# 99
50) 2,6-Dinitrotoluene	9.66	165	3579	0.88	ng	# 11
51) Acenaphthene	9.95	154	990	0.06	ng	# 4
54) Dibenzofuran	9.94	168	257	0.01	ng	# 47
56) 2,4-Dinitrotoluene	9.95	165	32394	6.12	ng	# 12
57) Fluorene	10.74	166	14177	0.83	ng	# 94
59) Diethylphthalate	10.37	149	4873	0.25	ng	# 98

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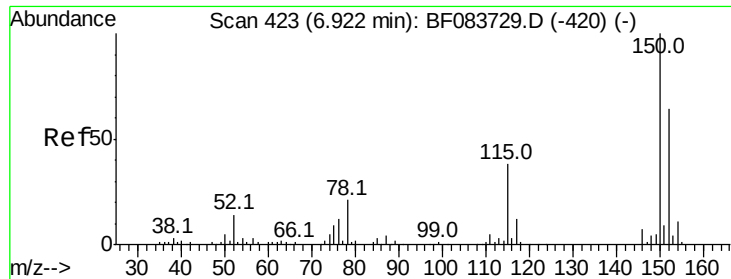
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 02:32:16 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

62) Azobenzene	10.66	77	234	0.01	ng	# 9
64) 4,6-Dinitro-2-methylphenol	10.74	198	857	0.32	ng	# 16
65) n-Nitrosodiphenylamine	10.61	169	422	0.03	ng	# 24
66) 4-Bromophenyl-phenylether	10.74	248	20231	3.82	ng	# 1
70) Phenanthrene	11.45	178	654	0.03	ng	# 60
71) Anthracene	11.45	178	654	0.03	ng	# 60
73) Di-n-butylphthalate	12.00	149	6667	0.23	ng	97
74) Fluoranthene	12.87	202	239	0.01	ng	64
77) Pyrene	12.87	202	239	0.01	ng	# 57
79) Butylbenzylphthalate	13.49	149	220	0.02	ng	# 64
80) Benzo(a)anthracene	14.05	228	905	0.05	ng	# 51
82) Chrysene	14.05	228	905	0.05	ng	# 49
83) Bis(2-ethylhexyl)phthalate	14.05	149	4967	0.40	ng	# 95
84) Di-n-octyl phthalate	14.66	149	729	0.04	ng	# 100
89) Benzo(a)pyrene	15.49	252	672	0.05	ng	# 59

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

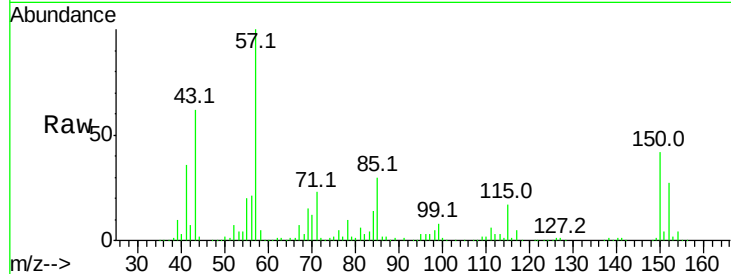


#1

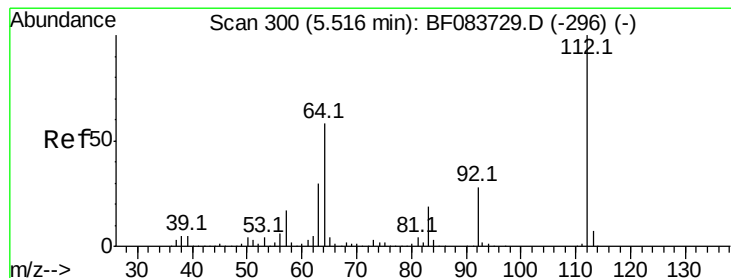
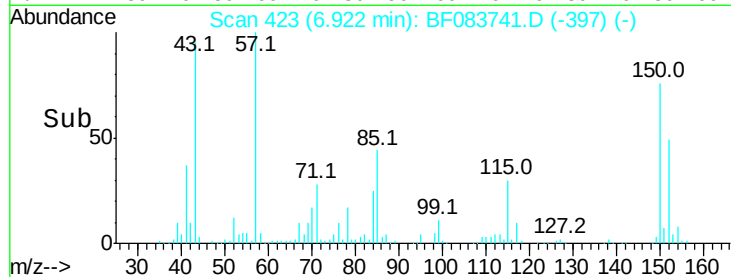
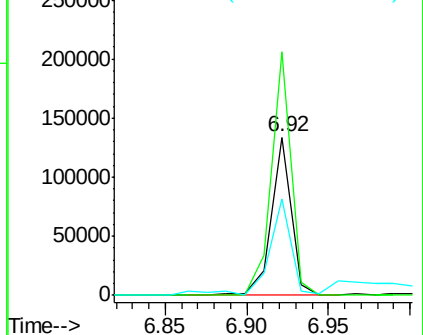
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114534
Ion Ratio Lower Upper
152 100
150 154.2 126.5 189.7
115 61.1 52.3 78.5



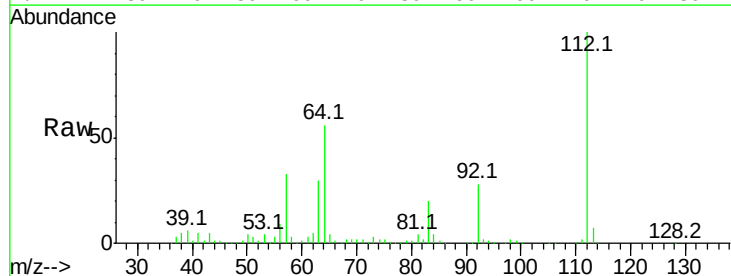
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



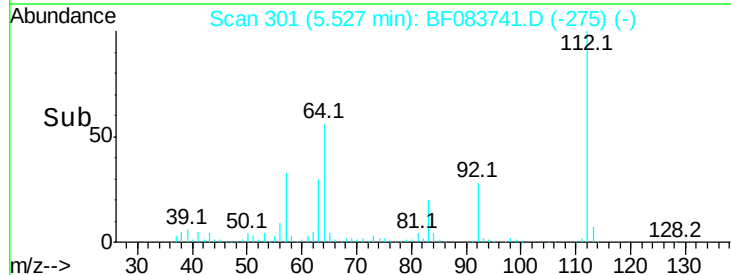
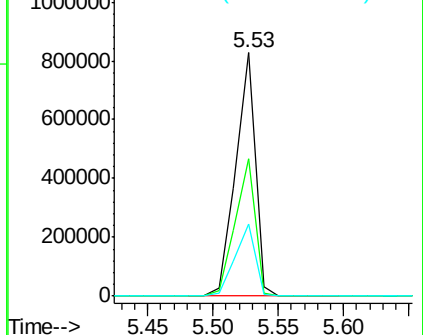
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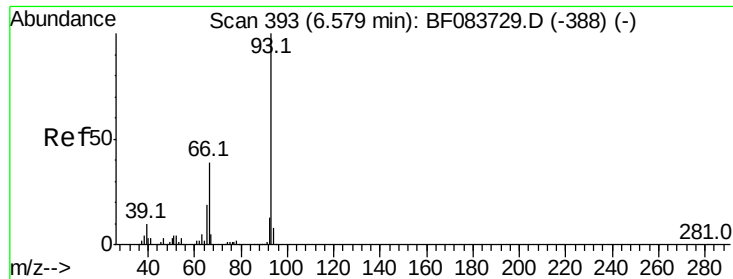
2-Fluorophenol
Concen: 121.43 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Tgt Ion:112 Resp: 862077
Ion Ratio Lower Upper
112 100
64 56.3 50.5 75.7
63 29.6 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: 0.37 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.02 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

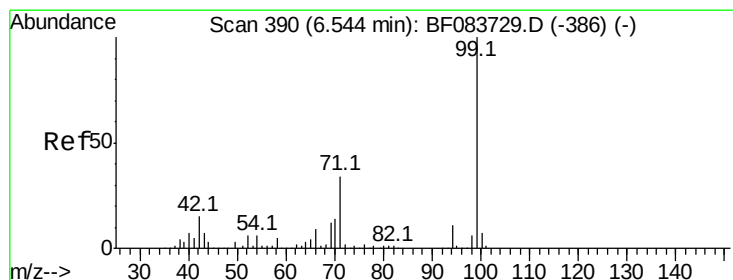
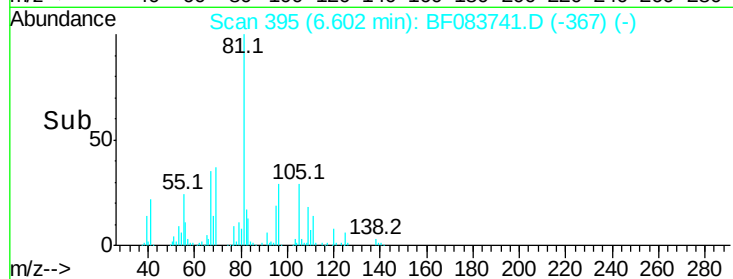
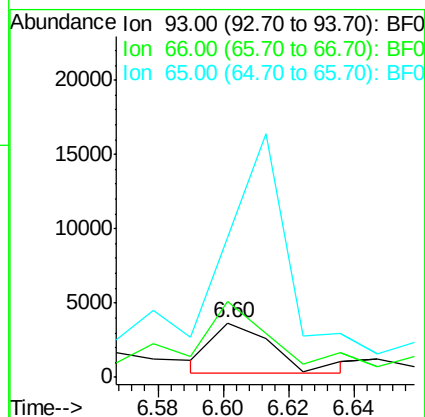
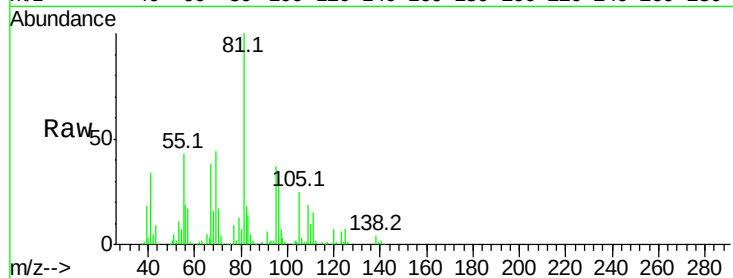
Tot Ion: 93 Resp: 4511

Ion Ratio Lower Upper

93 100

66 140.0 41.3 61.9#

65 258.0 20.8 31.2#



#7

Phenol-d6

Concen: 104.84 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

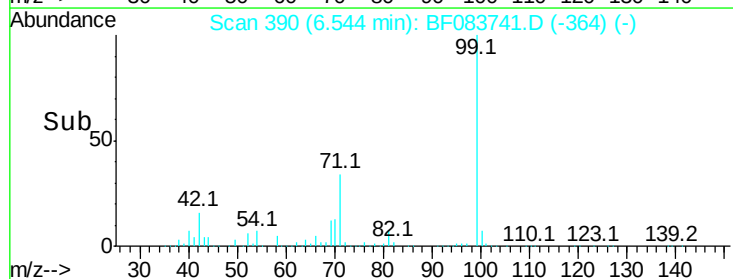
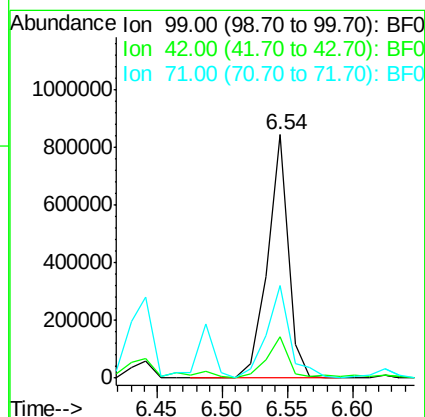
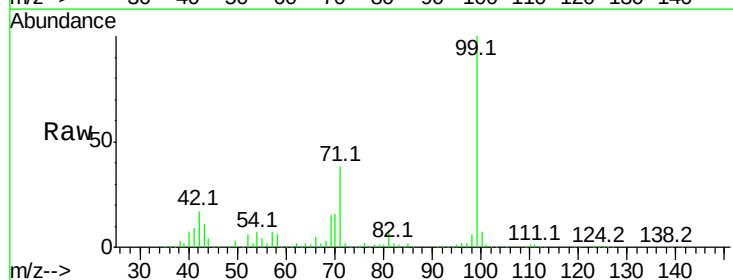
Tgt Ion: 99 Resp: 942546

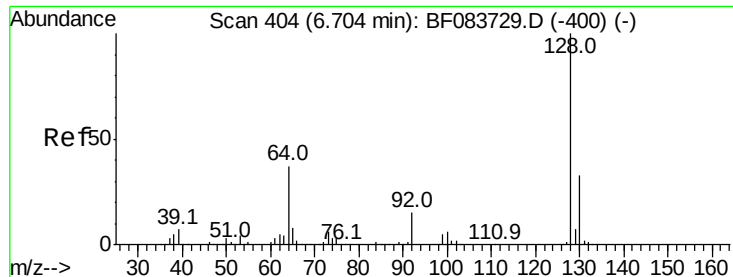
Ion Ratio Lower Upper

99 100

42 16.9 17.3 25.9#

71 37.8 26.6 40.0





#8

2-Chlorophenol

Concen: 0.07 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampled :

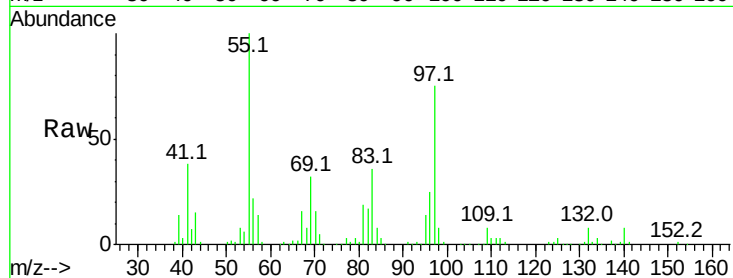
Tot Ion:128 Resp: 601

Ion Ratio Lower Upper

128 100

130 45.5 12.6 52.6

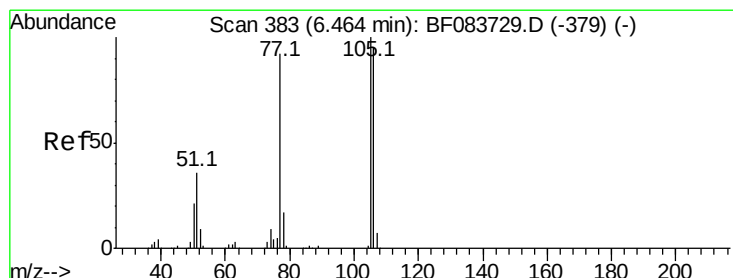
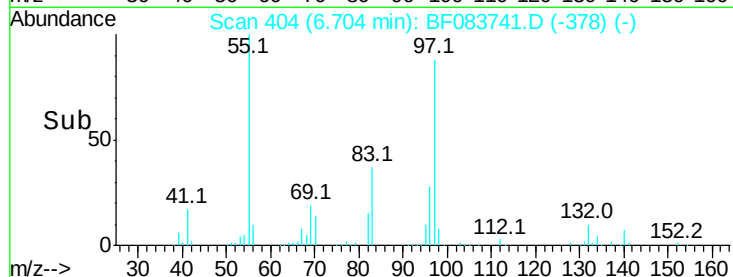
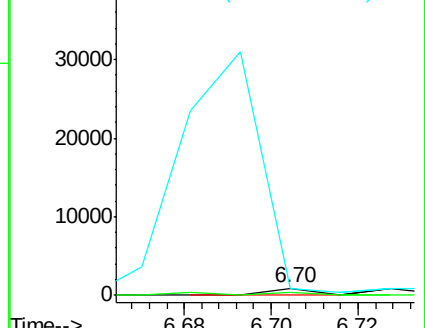
64 104.6 38.6 78.6#



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: 15.76 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

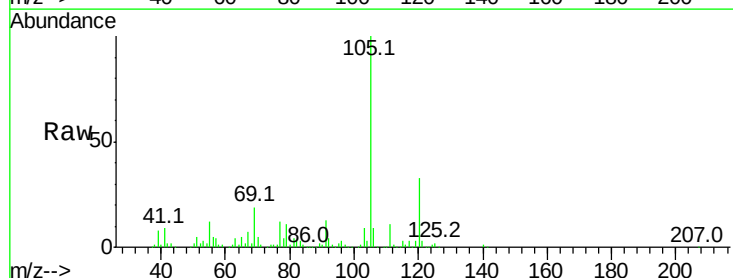
Tgt Ion: 77 Resp: 76116

Ion Ratio Lower Upper

77 100

105 824.3 71.8 111.8#

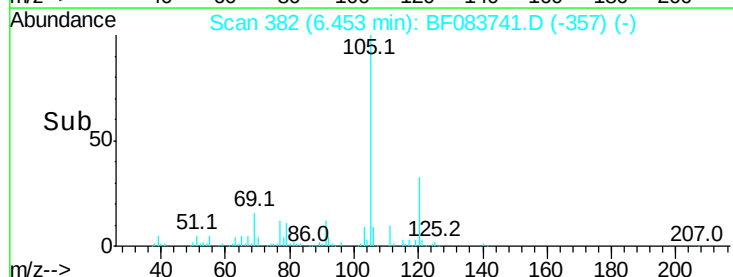
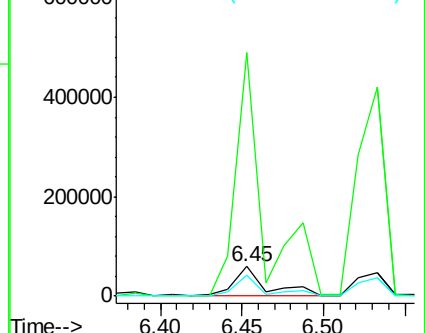
106 72.8 66.8 106.8

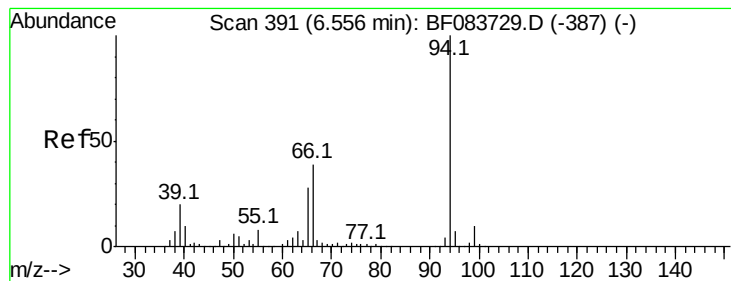


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.96 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampled :

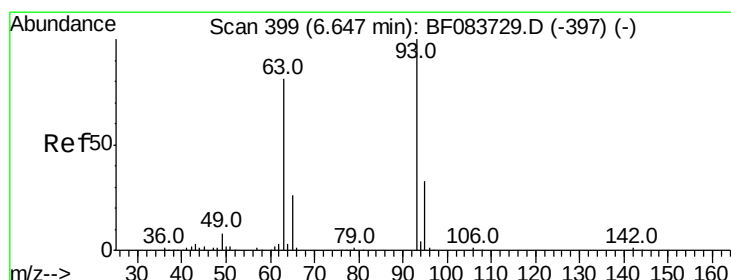
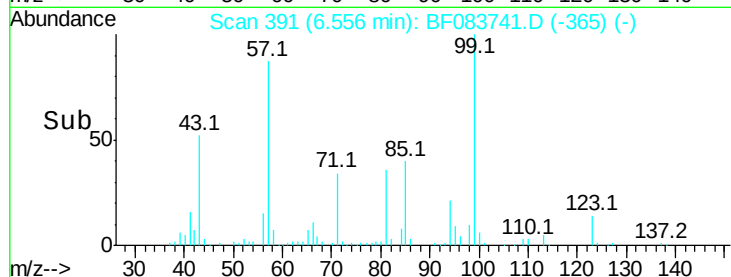
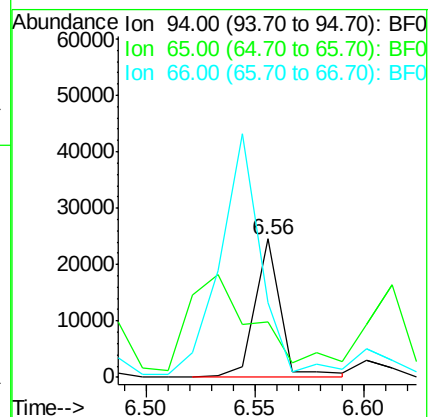
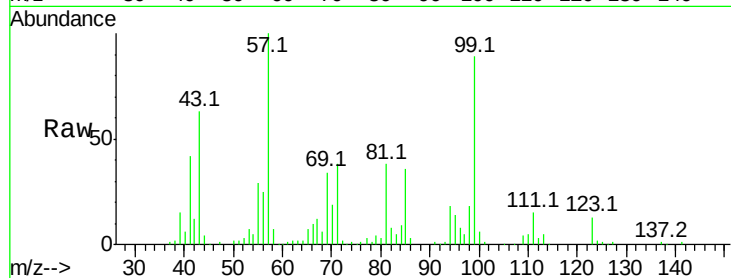
Tot Ion: 94 Resp: 20279

Ion Ratio Lower Upper

94 100

65 40.0 20.9 60.9

66 54.2 41.6 81.6



#11

bis(2-Chloroethyl)ether

Concen: 0.44 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.02 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

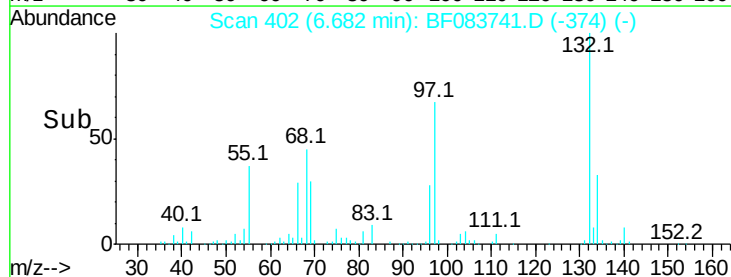
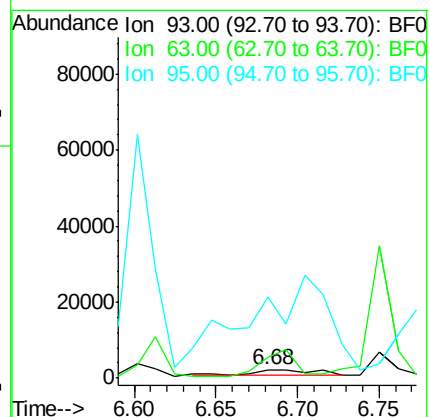
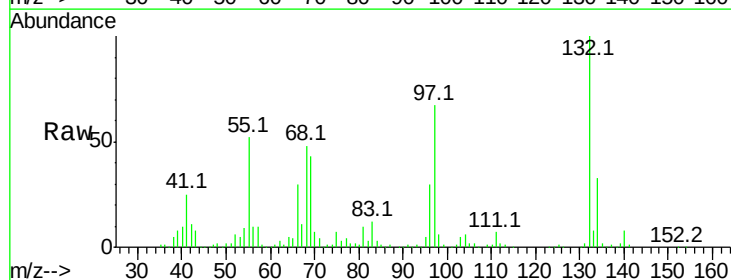
Tgt Ion: 93 Resp: 3266

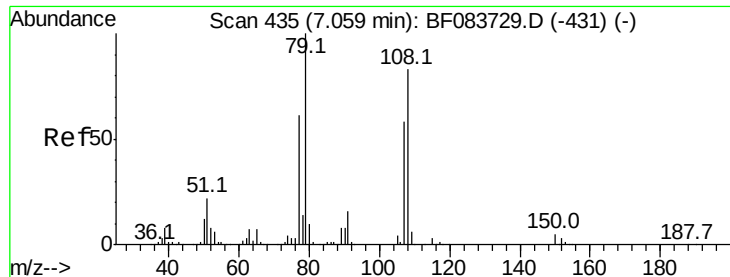
Ion Ratio Lower Upper

93 100

63 244.8 64.7 104.7#

95 936.0 12.7 52.7#





#15

Benzyl Alcohol

Concen: 3.81 ng

RT: 7.08 min Scan# 437

Delta R.T. 0.02 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampled :

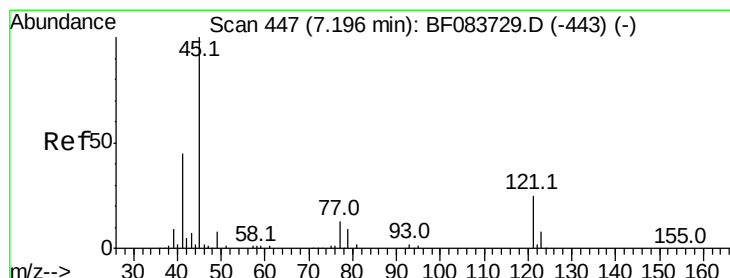
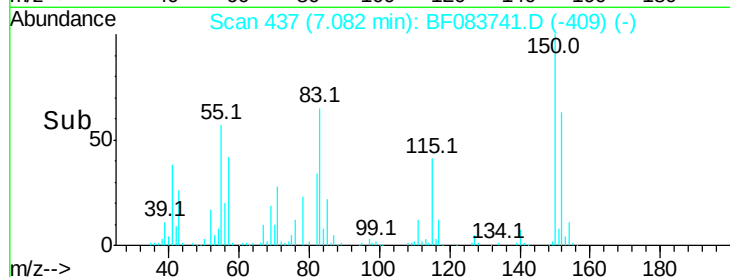
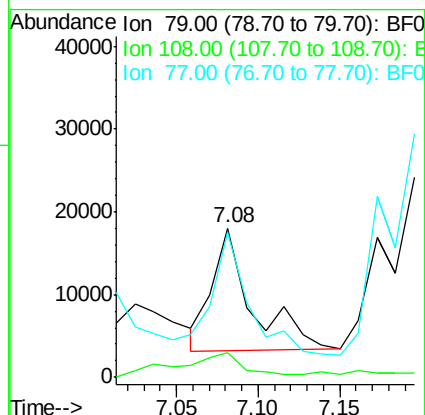
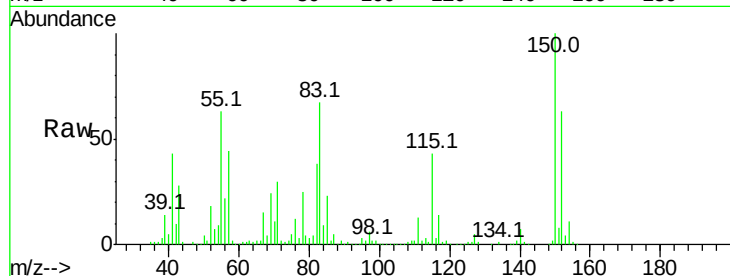
Tot Ion: 79 Resp: 25183

Ion Ratio Lower Upper

79 100

108 16.7 59.6 89.4#

77 97.5 49.8 74.6#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.03 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.22 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

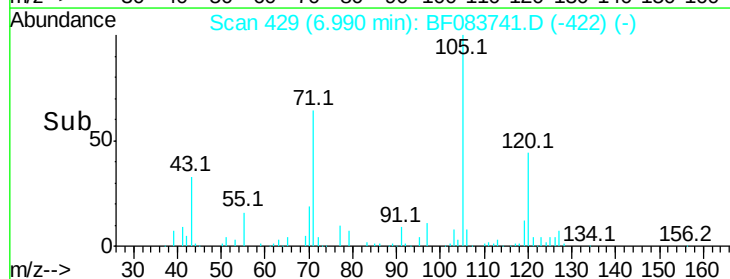
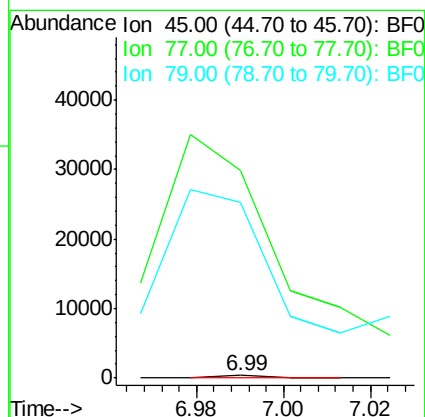
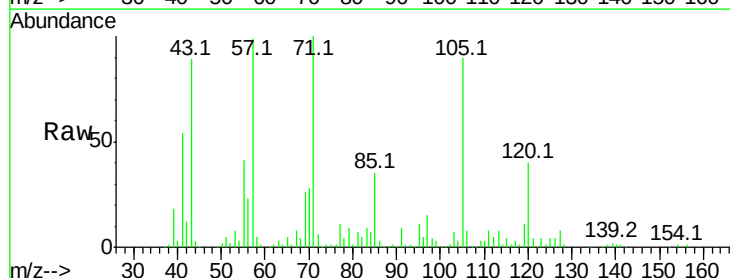
Tgt Ion: 45 Resp: 289

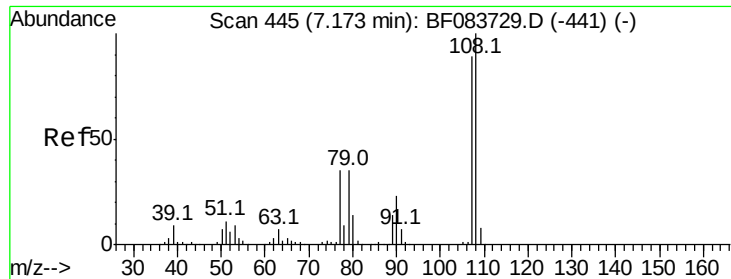
Ion Ratio Lower Upper

45 100

77 7084.1 12.8 52.8#

79 6027.6 10.7 50.7#

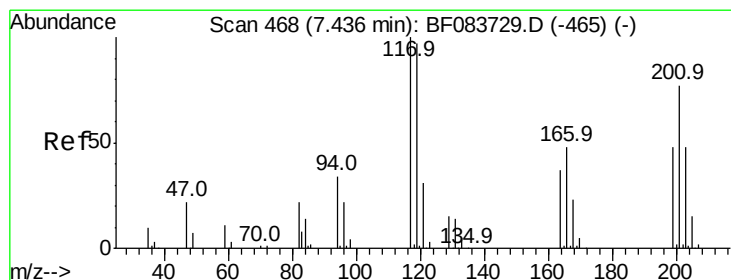
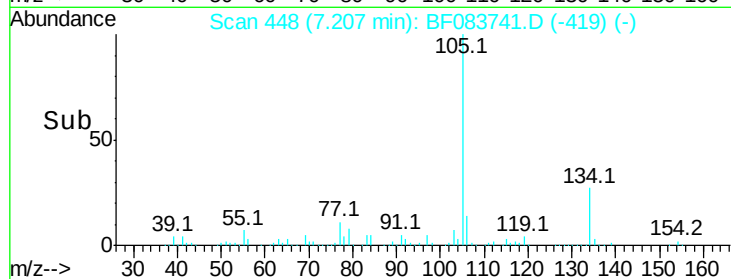
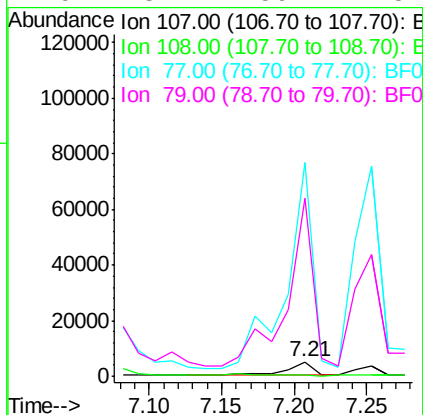
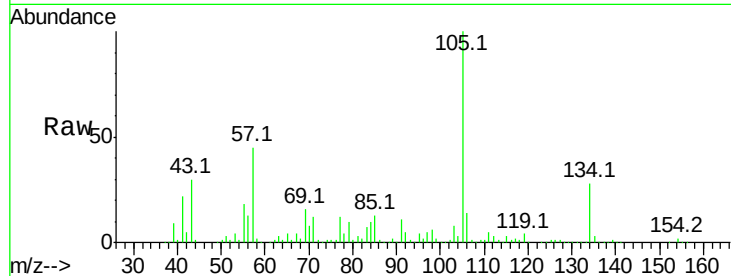




#17
2-Methylphenol
Concen: 0.90 ng
RT: 7.21 min Scan# 448
Delta R.T. 0.03 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

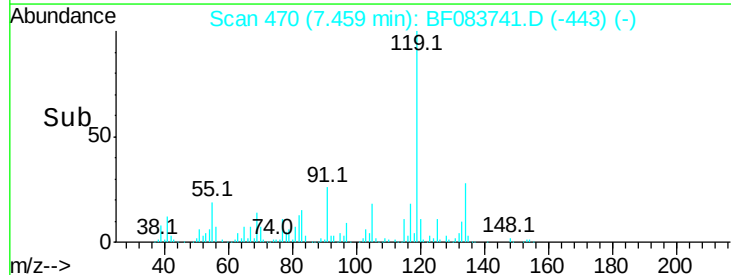
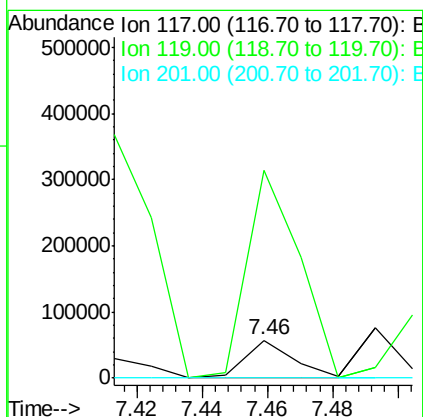
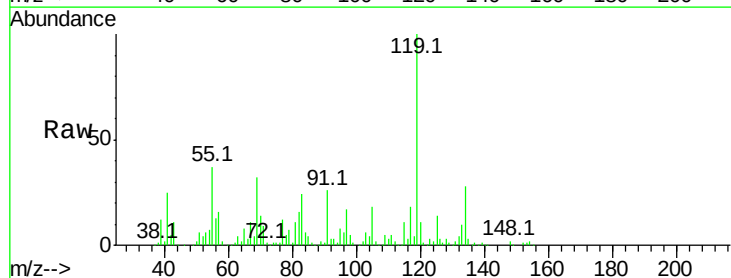
Instrument :
BNA_F
ClientSampled :

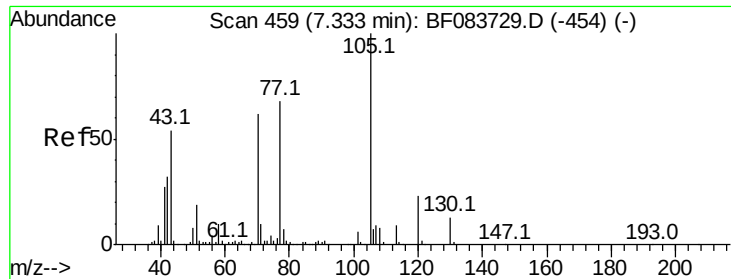
Tot Ion:107 Resp: 6031
Ion Ratio Lower Upper
107 100
108 7.6 91.6 137.4#
77 1480.5 53.7 80.5#
79 1237.1 50.2 75.4#



#18
Hexachloroethane
Concen: 18.86 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.01 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Tgt Ion:117 Resp: 59928
Ion Ratio Lower Upper
117 100
119 551.4 77.2 115.8#
201 0.0 86.8 130.2#

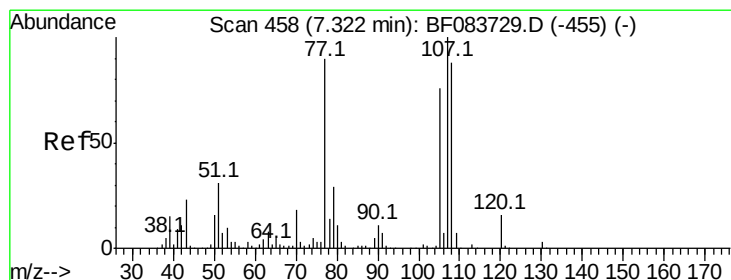
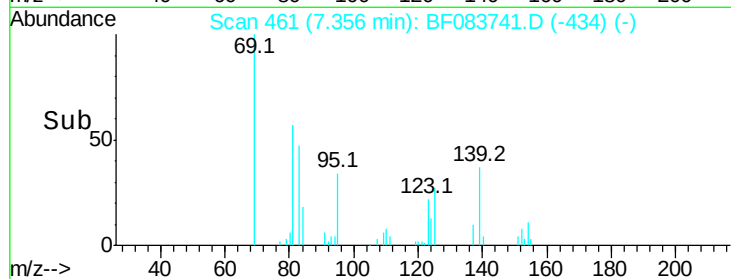
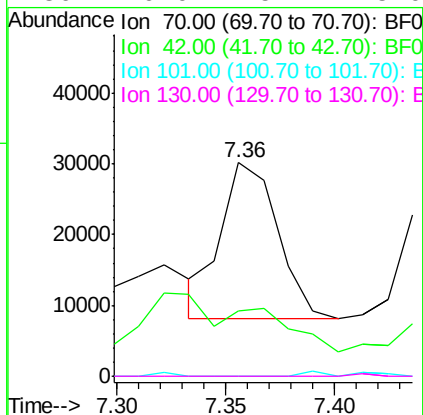
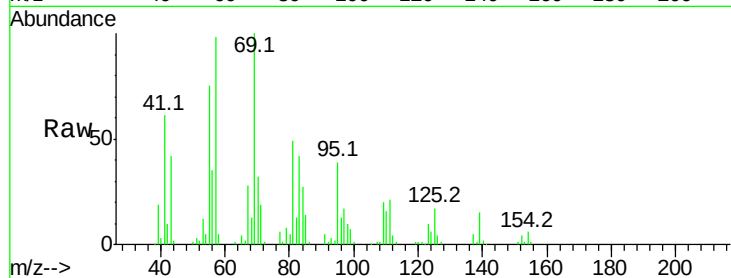




#19
n-Nitroso-di-n-propylamine
Concen: 7.28 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.01 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

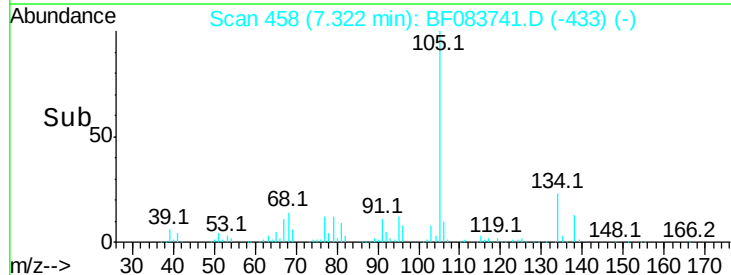
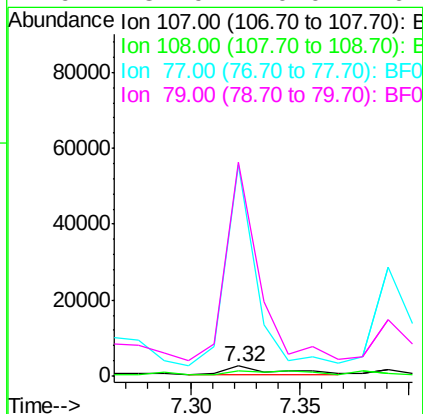
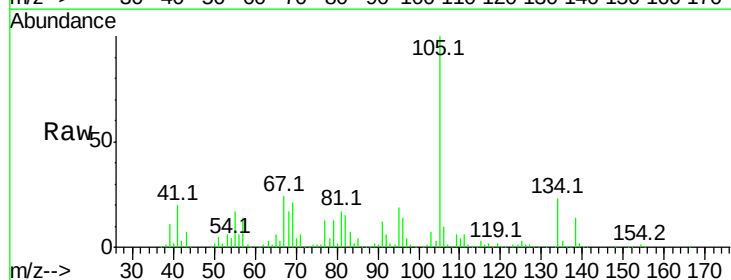
Instrument :
BNA_F
ClientSampled :

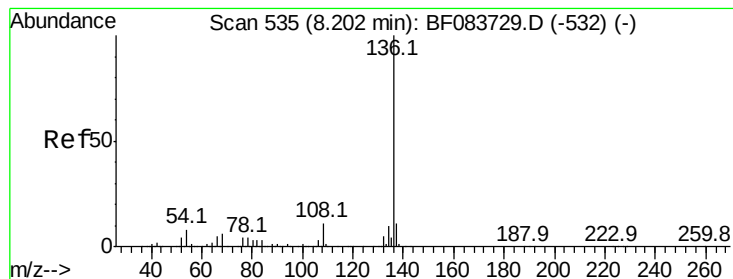
Tot Ion: 70 Resp: 40056
Ion Ratio Lower Upper
70 100
42 30.4 49.2 73.8#
101 0.0 7.1 10.7#
130 0.0 15.4 23.0#



#20
3+4-Methylphenols
Concen: 0.39 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Tgt Ion:107 Resp: 3069
Ion Ratio Lower Upper
107 100
108 45.7 65.2 105.2#
77 2107.5 15.2 55.2#
79 2132.9 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: BF083741.D

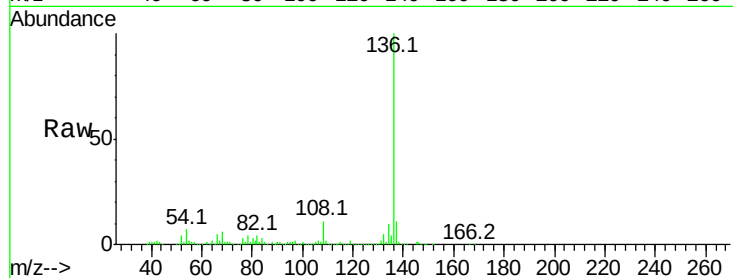
Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	512044
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.7 13.1
54	7.2	7.8 11.6#
68	6.1	5.7 8.5

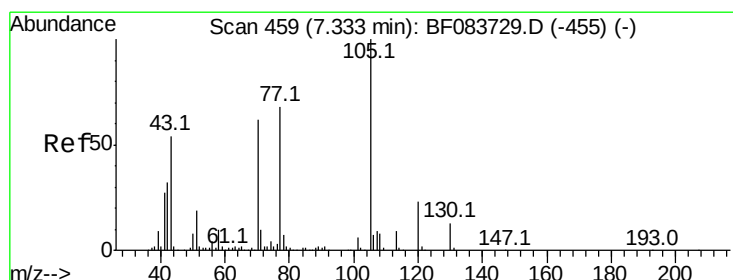
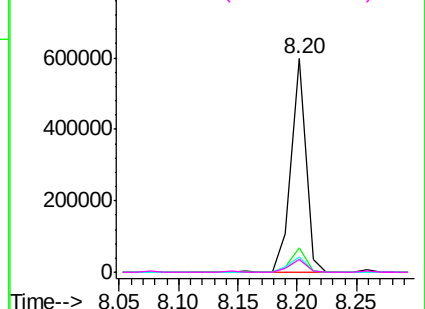
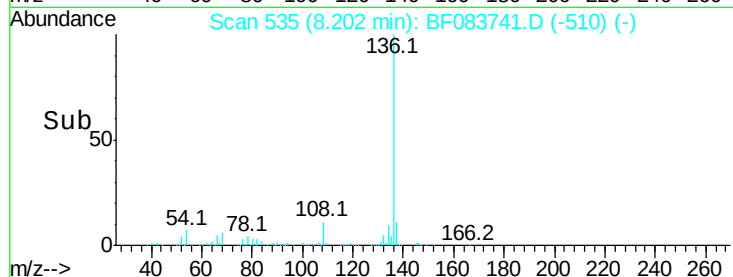


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 27.60 ng

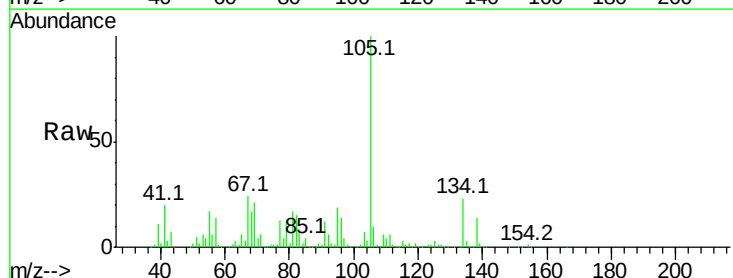
RT: 7.32 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Tgt Ion:105	Resp:	346755
Ion Ratio	Lower	Upper
105	100	
71	5.8	1.3 1.9#
51	4.6	23.8 35.8#
120	0.3	16.7 25.1#

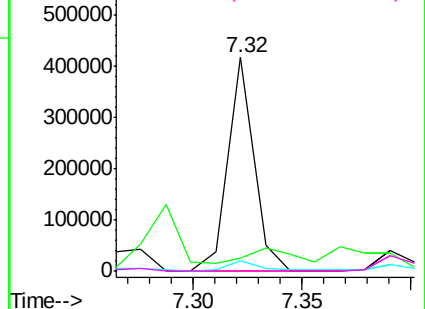
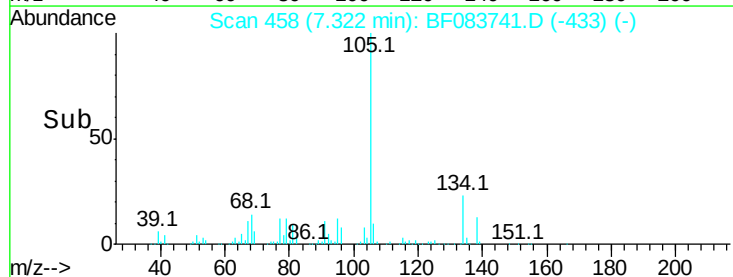


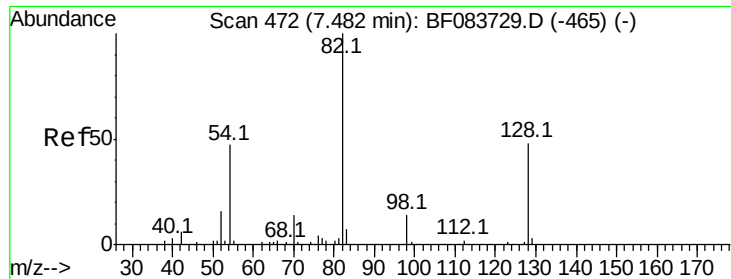
Abundance Ion 105.00 (104.70 to 105.70): E

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

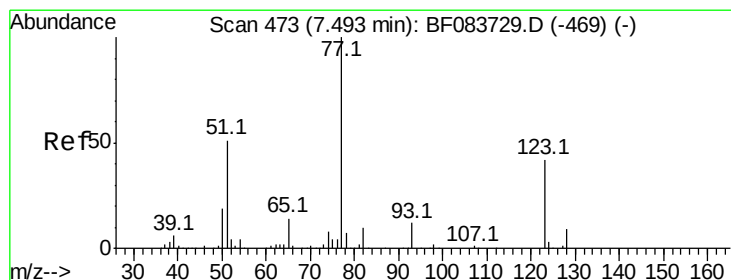
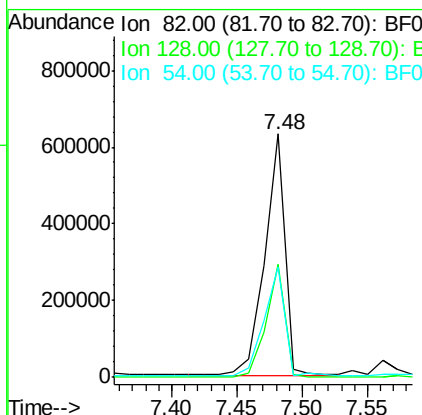
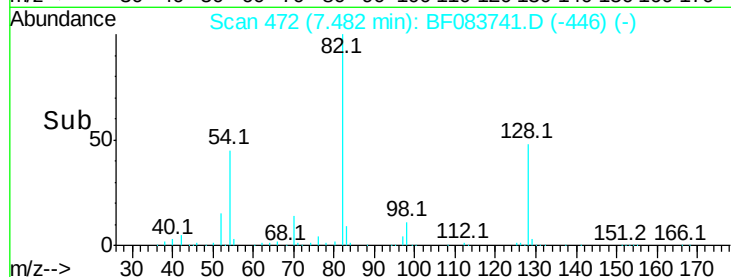
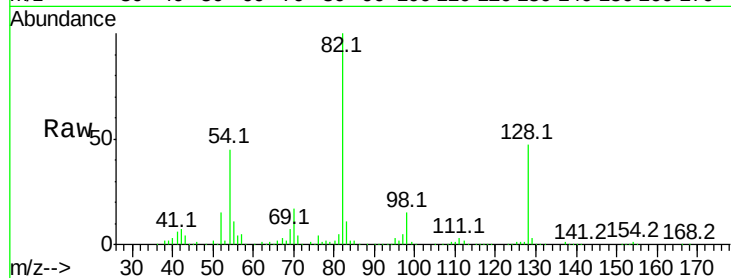




#23
Nitrobenzene-d5
Concen: 75.28 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

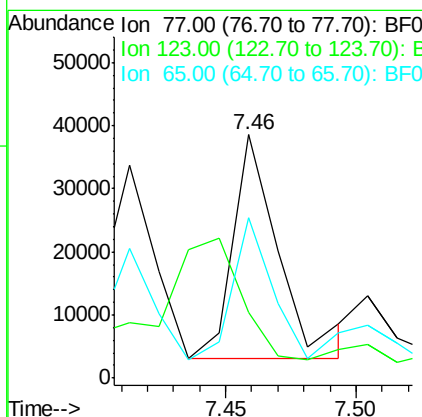
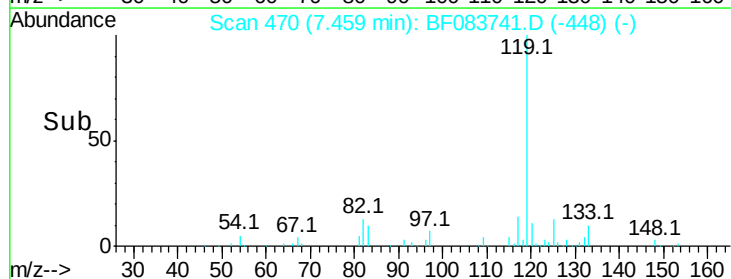
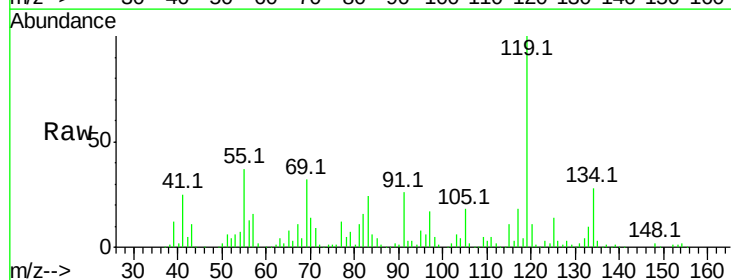
Instrument :
BNA_F
ClientSampled :

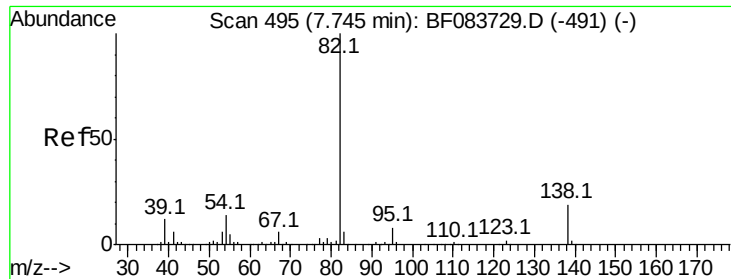
Tot Ion: 82 Resp: 688955
Ion Ratio Lower Upper
82 100
128 46.6 30.7 46.1#
54 45.4 42.5 63.7



#24
Nitrobenzene
Concen: 4.64 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.05 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Tgt Ion: 77 Resp: 44187
Ion Ratio Lower Upper
77 100
123 27.1 29.8 44.6#
65 65.9 11.1 16.7#





#25

Isophorone

Concen: 2.27 ng

RT: 7.73 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampled :

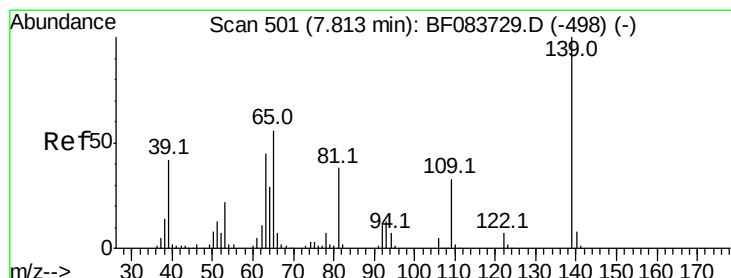
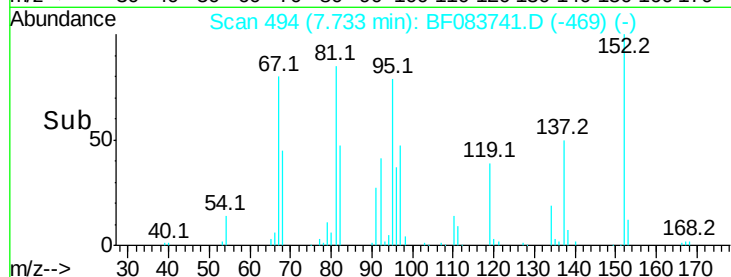
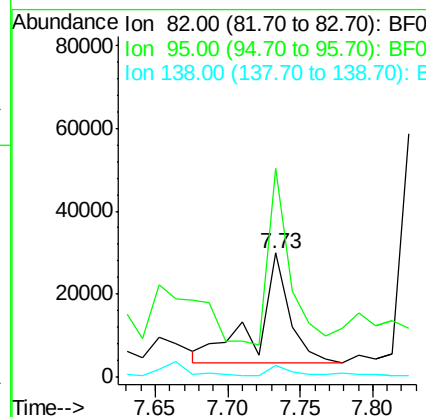
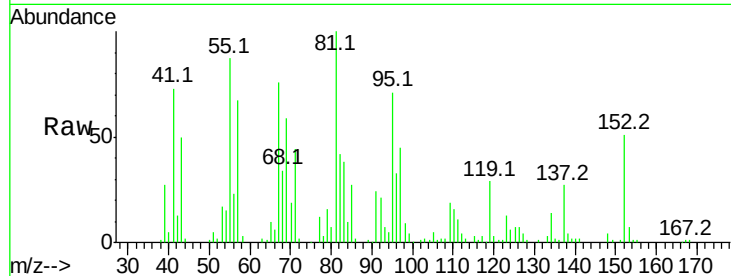
Tot Ion: 82 Resp: 40673

Ion Ratio Lower Upper

82 100

95 168.3 5.0 7.4#

138 9.7 12.1 18.1#



#26

2-Nitrophenol

Concen: 0.50 ng

RT: 7.84 min Scan# 503

Delta R.T. 0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

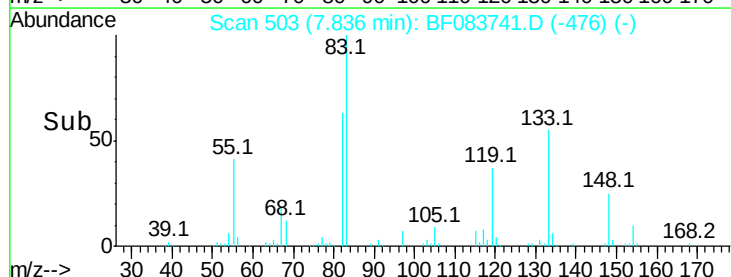
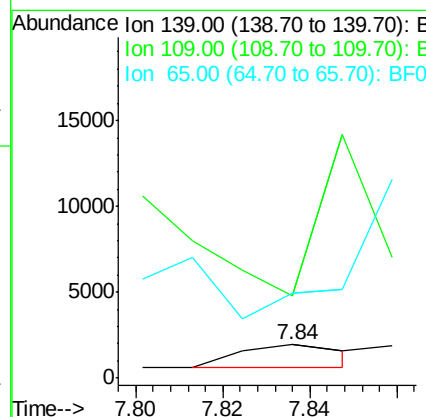
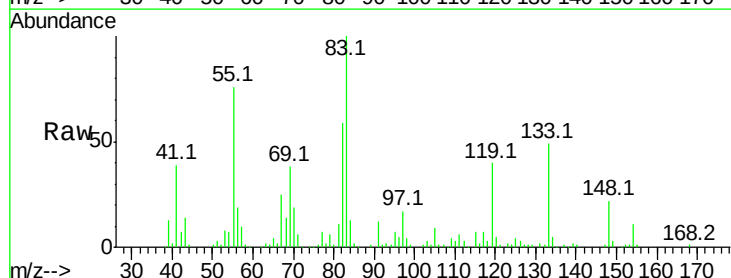
Tgt Ion: 139 Resp: 2290

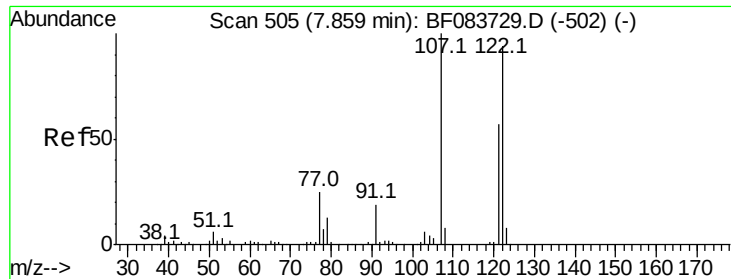
Ion Ratio Lower Upper

139 100

109 245.7 22.7 34.1#

65 252.5 51.8 77.8#





#27

2,4-Dimethylphenol

Concen: 0.81 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampled :

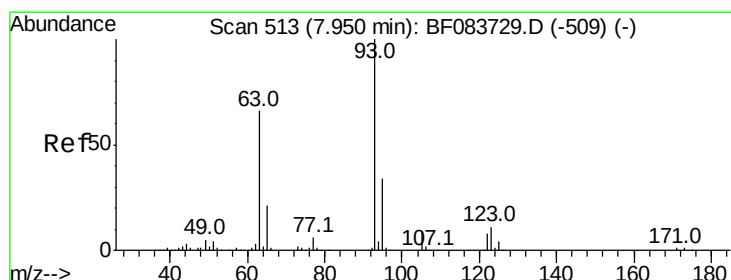
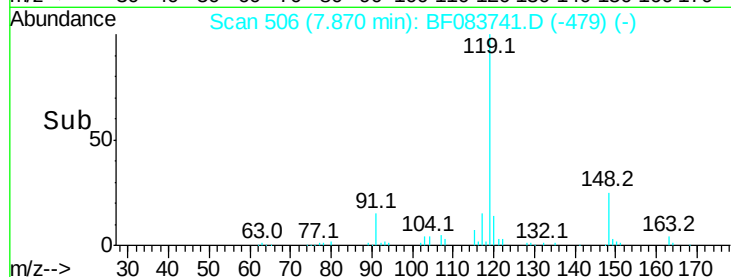
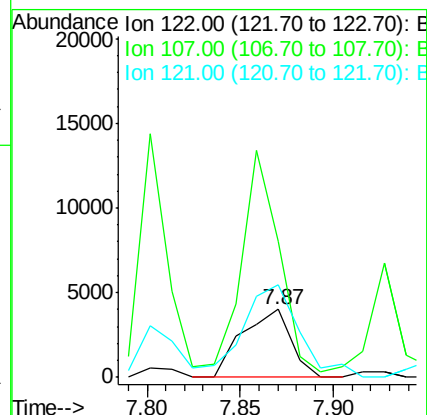
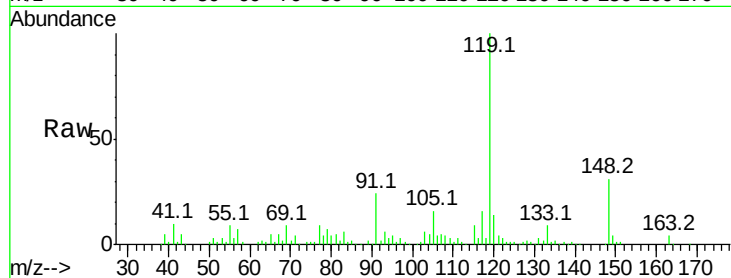
Tot Ion:122 Resp: 7289

Ion Ratio Lower Upper

122 100

107 200.9 92.4 138.6#

121 137.3 45.8 68.6#



#28

bis(2-Chloroethoxy)methane

Concen: 0.34 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

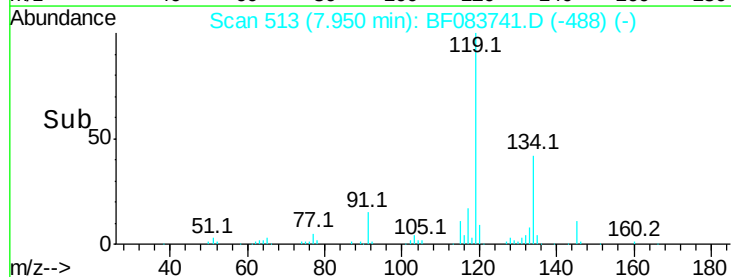
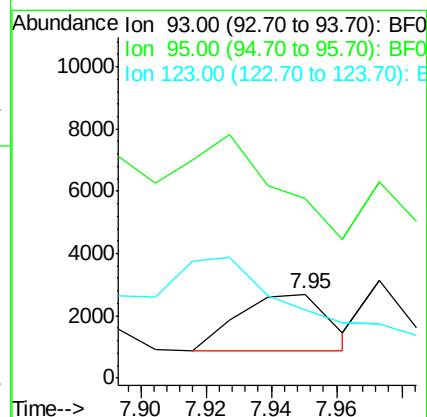
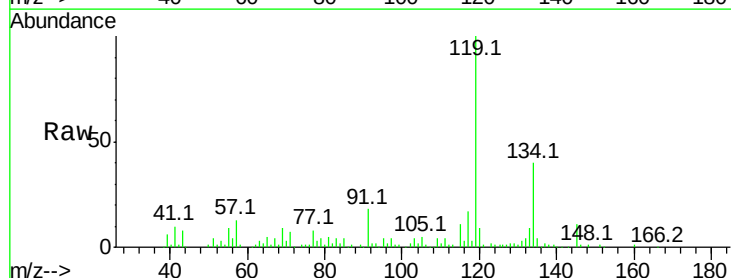
Tgt Ion: 93 Resp: 3474

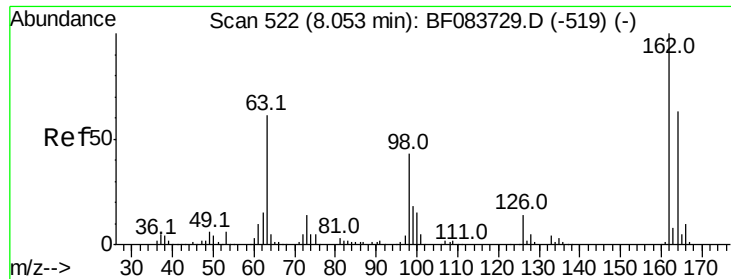
Ion Ratio Lower Upper

93 100

95 214.6 25.6 38.4#

123 81.0 7.3 10.9#

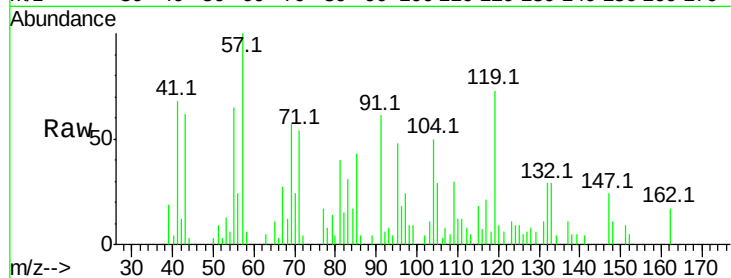




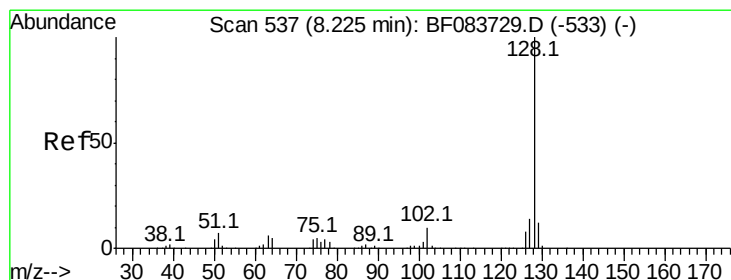
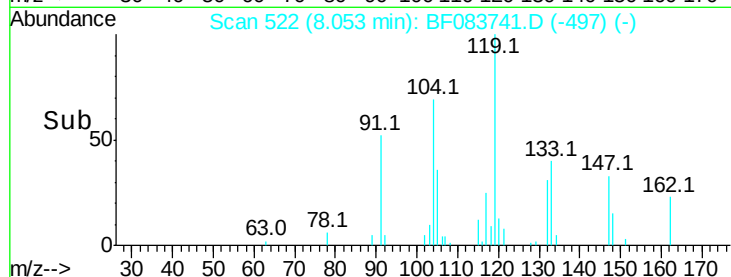
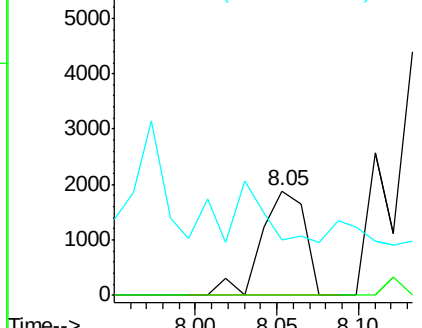
#29
2,4-Dichlorophenol
Concen: 0.47 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:162 Resp: 3482
Ion Ratio Lower Upper
162 100
164 0.0 43.4 83.4#
98 52.9 17.5 57.5

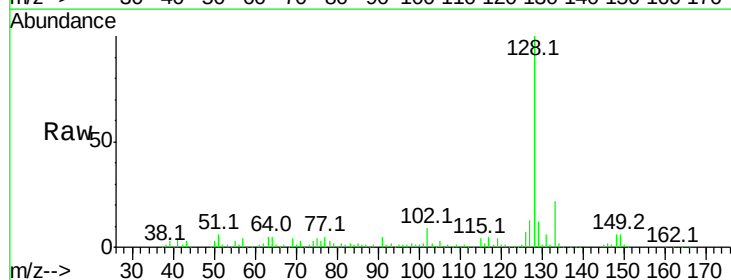


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

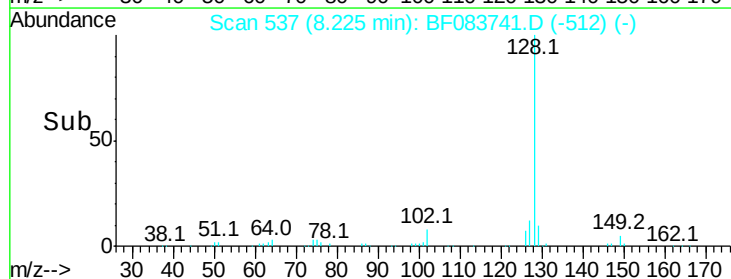
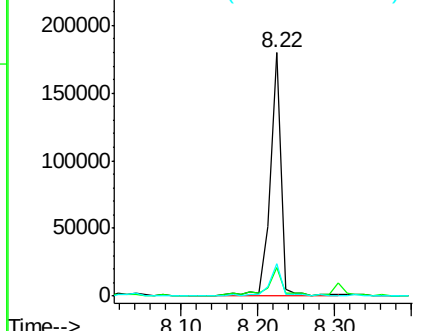


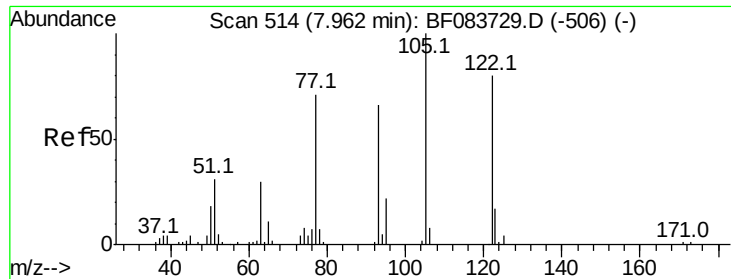
#31
Naphthalene
Concen: 6.58 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Tgt Ion:128 Resp: 175695
Ion Ratio Lower Upper
128 100
129 11.8 8.6 13.0
127 13.4 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: 0.08 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.05 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

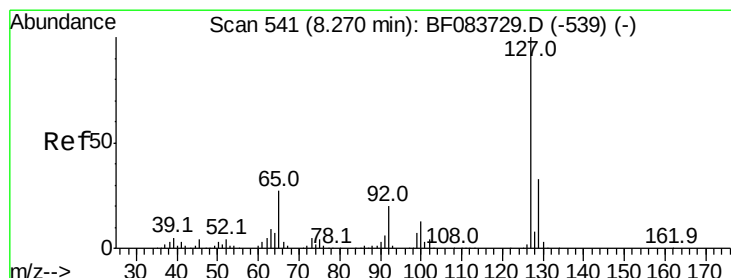
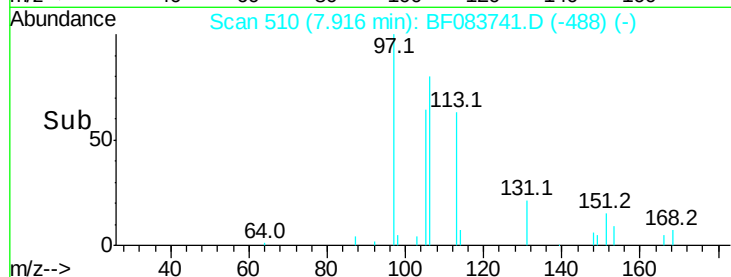
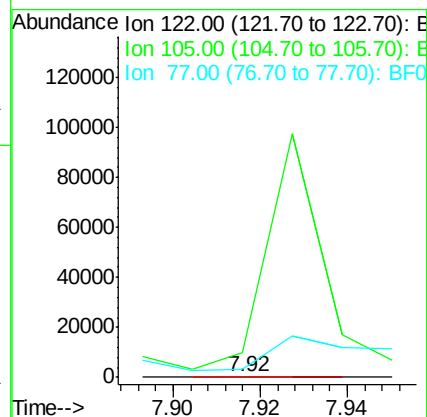
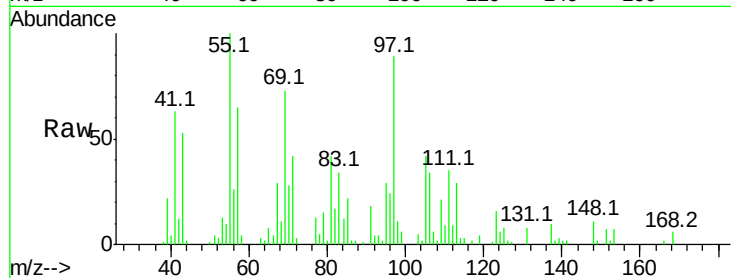
Tot Ion:122 Resp: 435

Ion Ratio Lower Upper

122 100

105 3062.6 105.6 145.6#

77 958.6 86.8 126.8#



#33

4-Chloroaniline

Concen: 2.57 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.05 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Tgt Ion:127 Resp: 28008

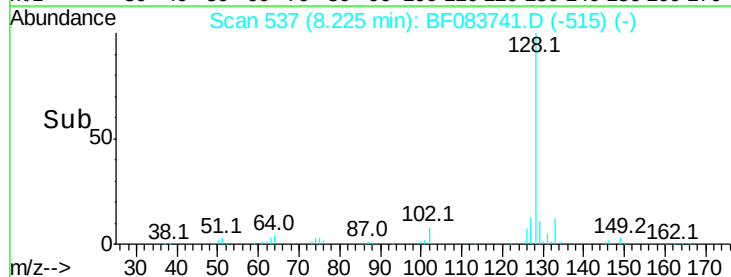
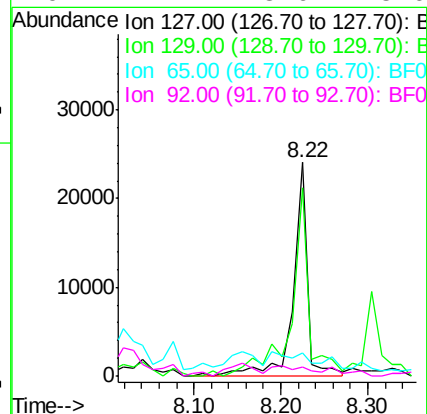
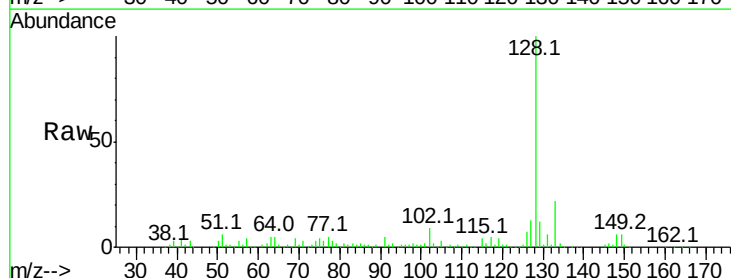
Ion Ratio Lower Upper

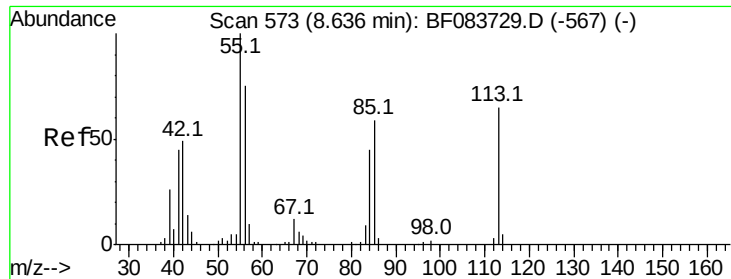
127 100

129 88.2 26.1 39.1#

65 10.7 33.5 50.3#

92 4.4 18.6 28.0#





#35

Caprolactam

Concen: 0.81 ng

RT: 8.64 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampled :

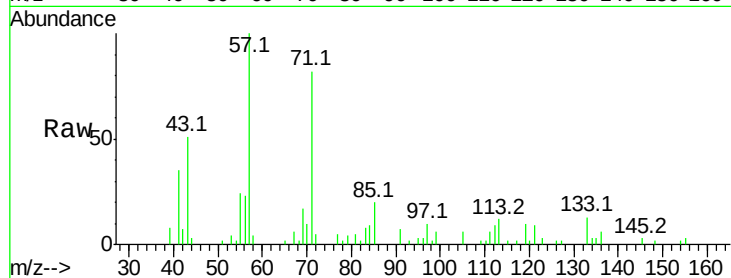
Tot Ion:113 Resp: 1931

Ion Ratio Lower Upper

113 100

55 192.8 189.7 229.7

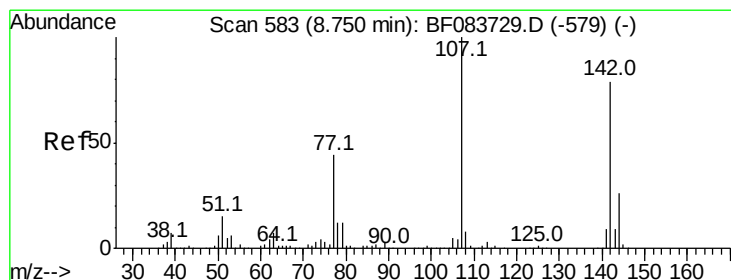
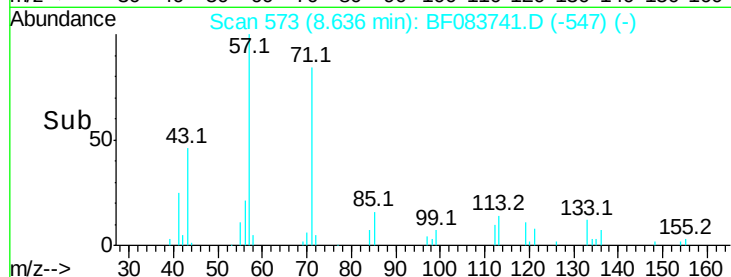
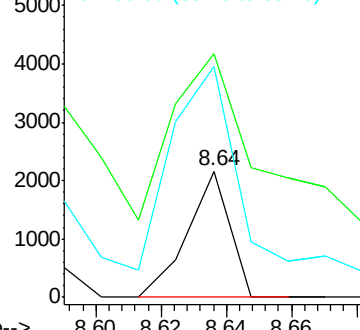
56 182.9 130.7 170.7#



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: 0.12 ng

RT: 8.75 min Scan# 583

Delta R.T. 0.00 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

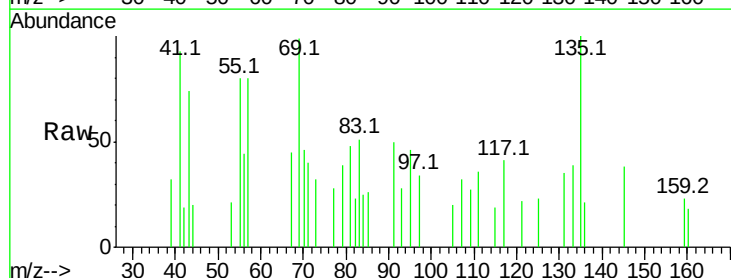
Tgt Ion:107 Resp: 1043

Ion Ratio Lower Upper

107 100

144 0.0 17.5 26.3#

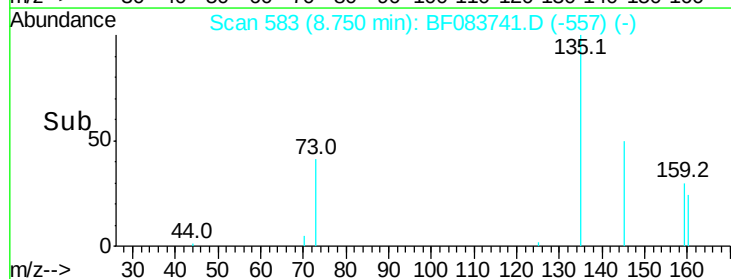
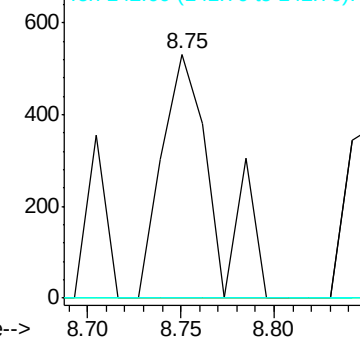
142 0.0 53.6 80.4#

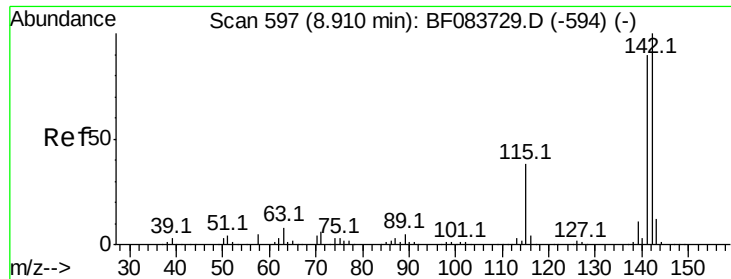


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

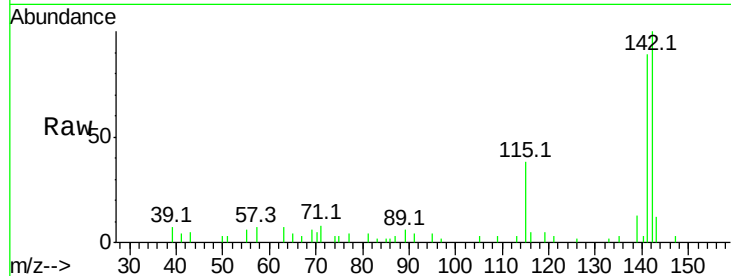




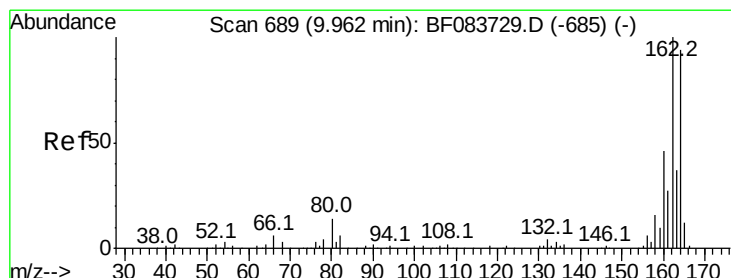
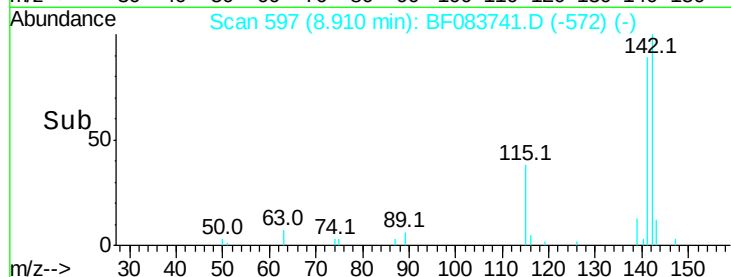
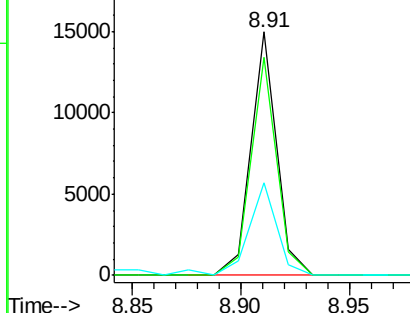
#37
2-Methylnaphthalene
Concen: 0.73 ng
RT: 8.91 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.3	105.5
115	38.2	29.2	43.8

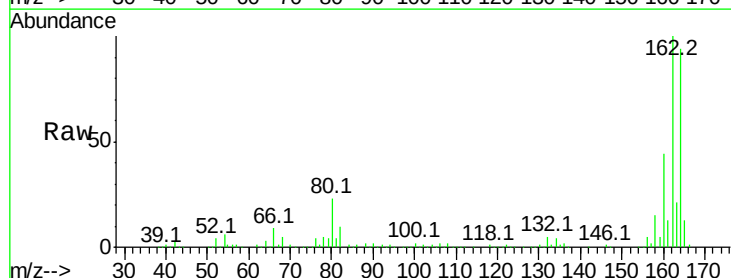


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

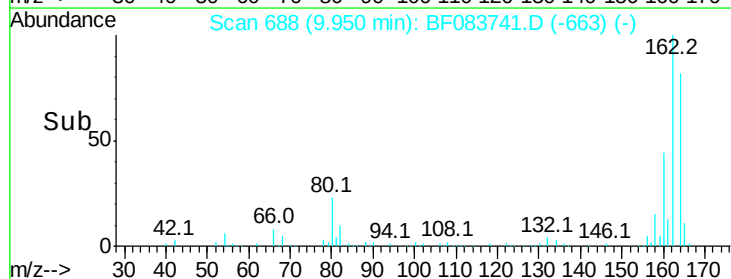
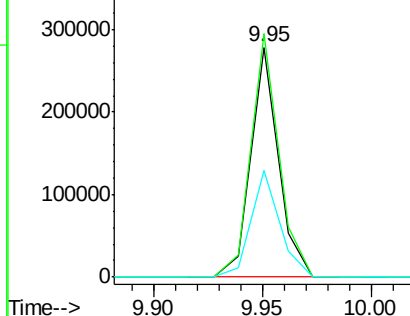


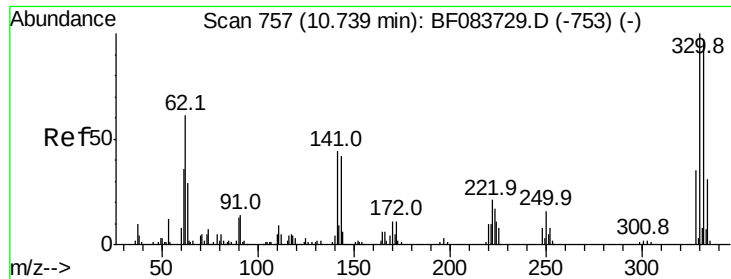
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	78.8	118.2
160	46.5	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

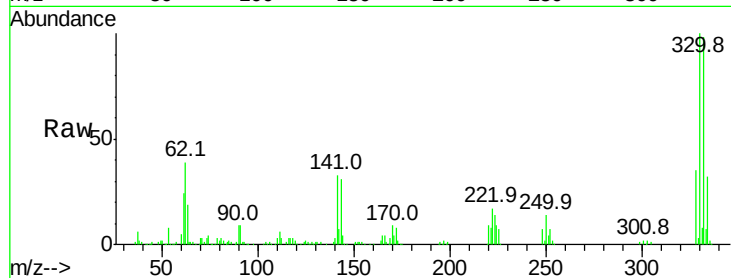




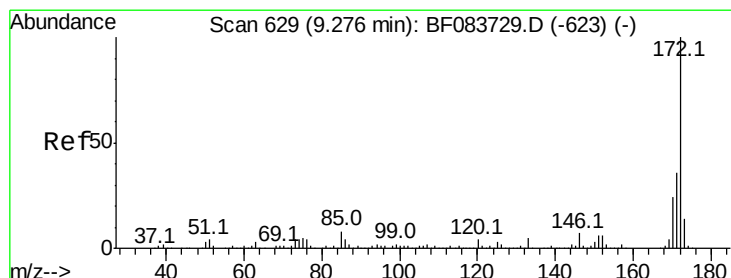
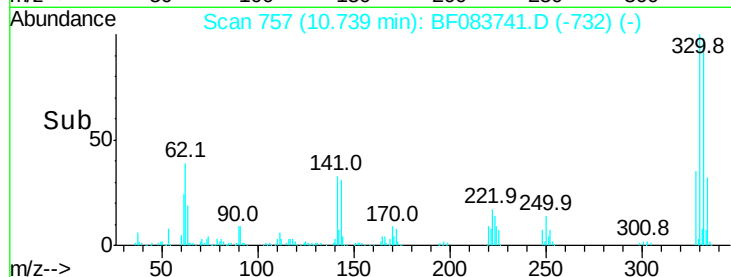
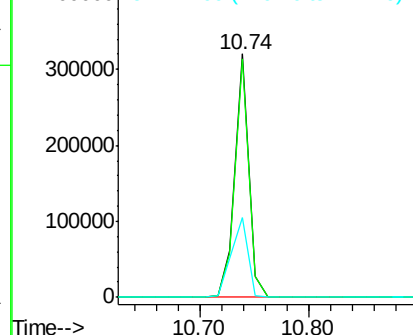
#41
 2,4,6-Tribromophenol
 Concen: 113.77 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF083741.D
 Acq: 13 Dec 2015 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	0.0	0.0#
141	38.7	0.0	0.0#

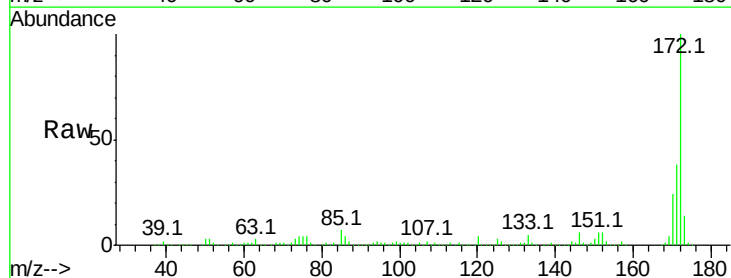


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

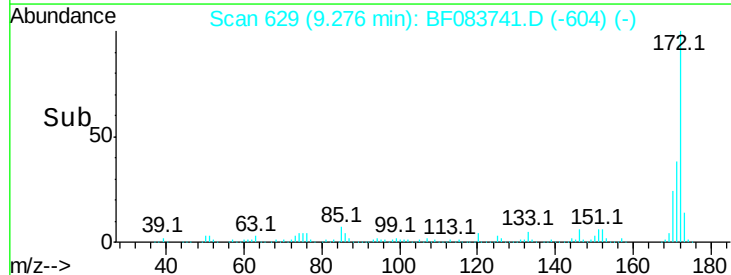
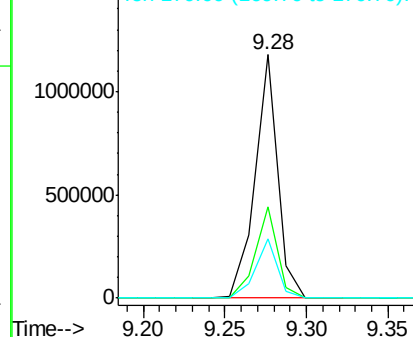


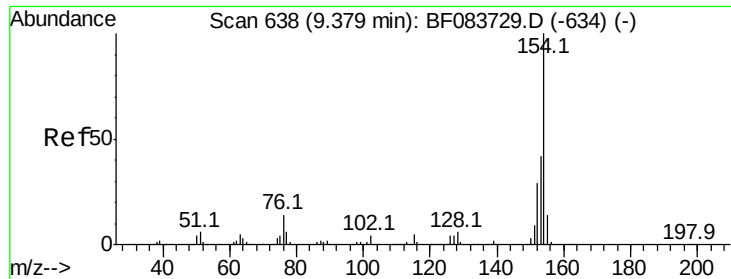
#44
 2-Fluorobiphenyl
 Concen: 62.63 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF083741.D
 Acq: 13 Dec 2015 20:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.6	42.8
170	24.5	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: 0.03 ng

RT: 9.38 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampled :

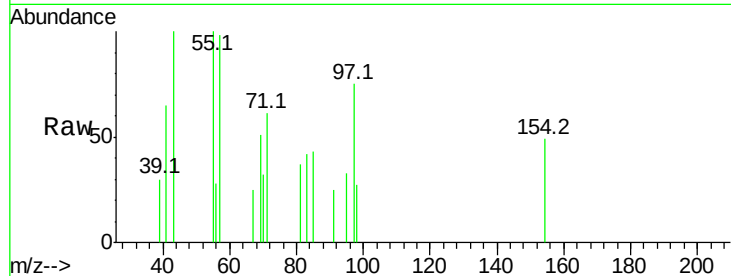
Tot Ion:154 Resp: 674

Ion Ratio Lower Upper

154 100

153 0.0 20.2 60.2#

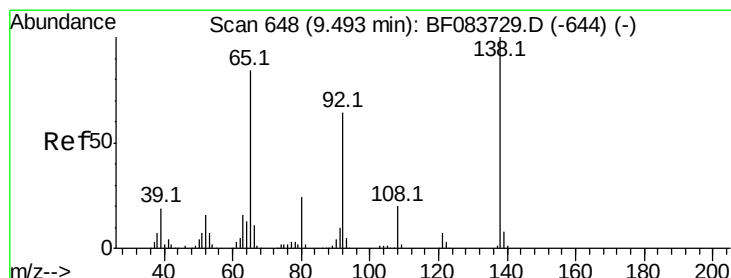
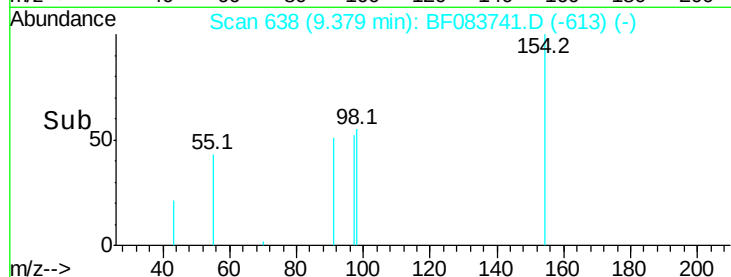
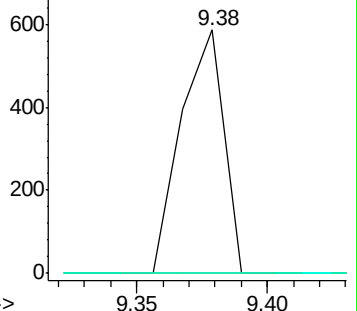
76 0.0 0.0 34.8



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): E



#47

2-Nitroaniline

Concen: 0.70 ng

RT: 9.66 min Scan# 663

Delta R.T. 0.17 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

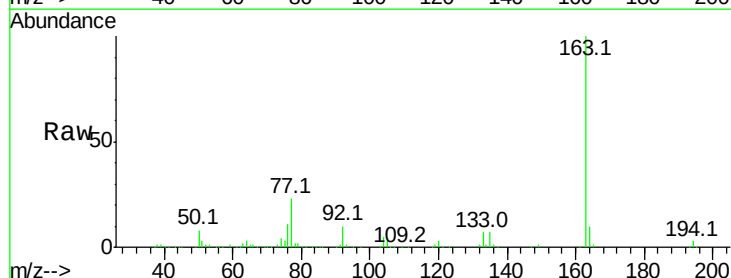
Tgt Ion: 65 Resp: 3190

Ion Ratio Lower Upper

65 100

92 978.6 49.6 74.4#

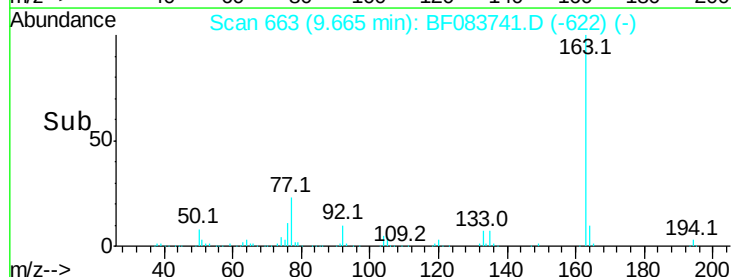
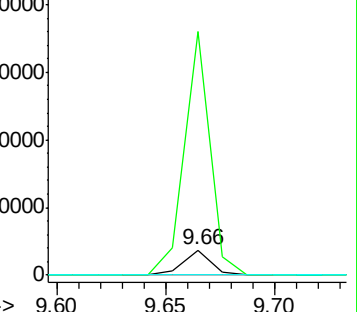
138 0.0 64.1 96.1#

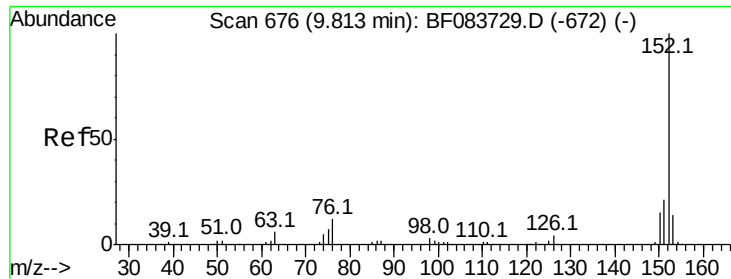


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.01 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.22 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

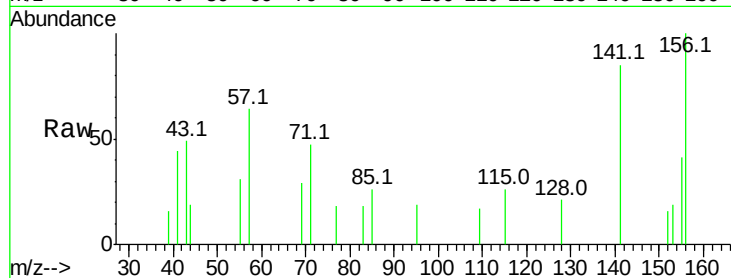
Tot Ion:152 Resp: 206

Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#

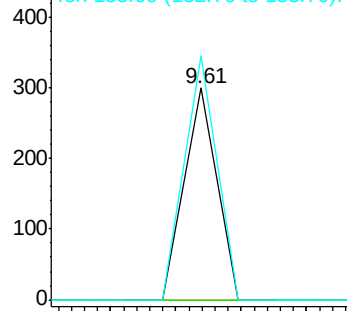
153 115.3 10.8 16.2#



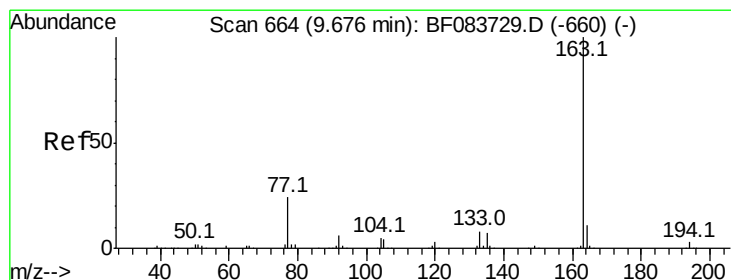
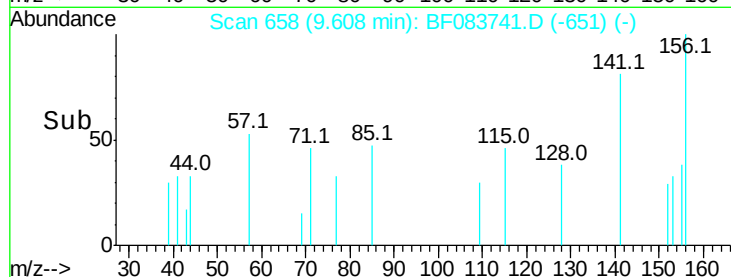
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#49

Dimethylphthalate

Concen: 16.10 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

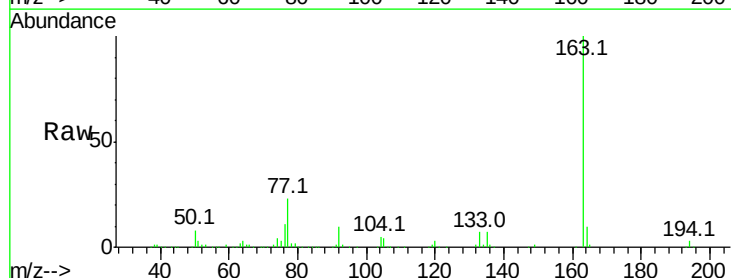
Tgt Ion:163 Resp: 307412

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

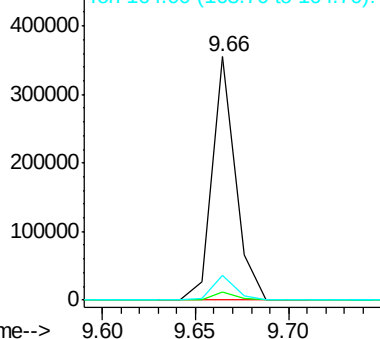
164 10.4 8.6 13.0



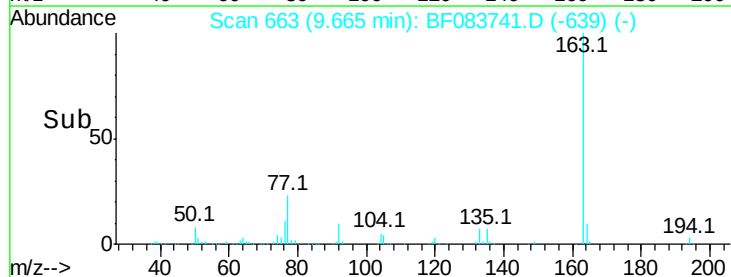
Abundance Ion 163.00 (162.70 to 163.70): E

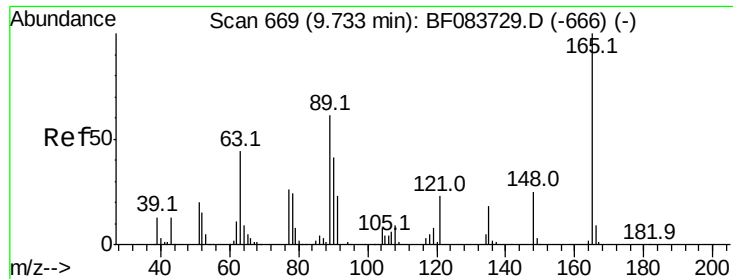
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->

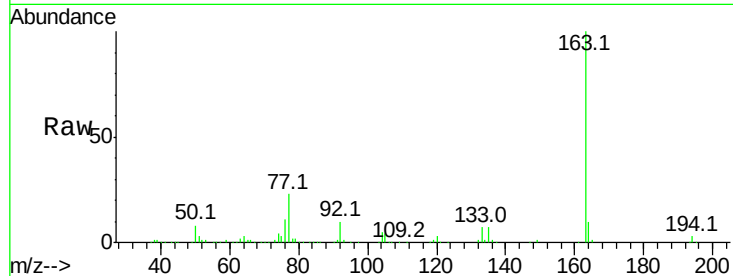




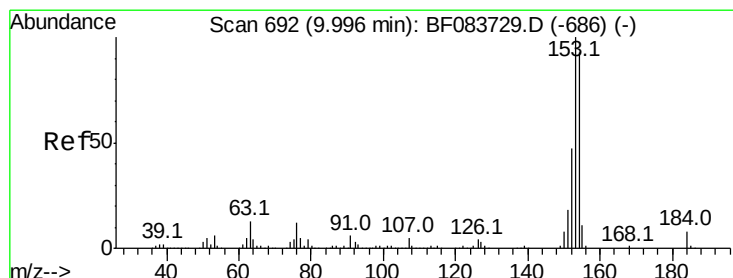
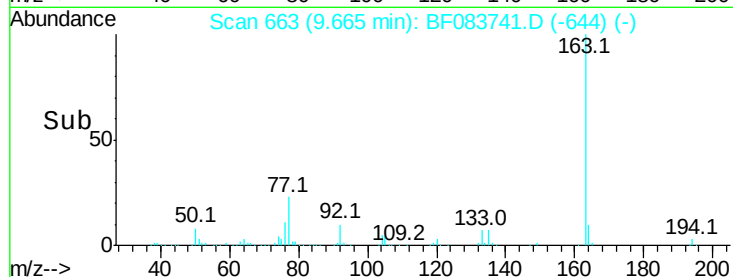
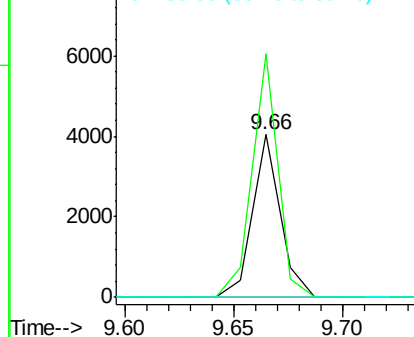
#50
2,6-Dinitrotoluene
Concen: 0.88 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.08 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 3579
Ion Ratio Lower Upper
165 100
63 149.6 56.9 85.3#
89 0.0 52.1 78.1#

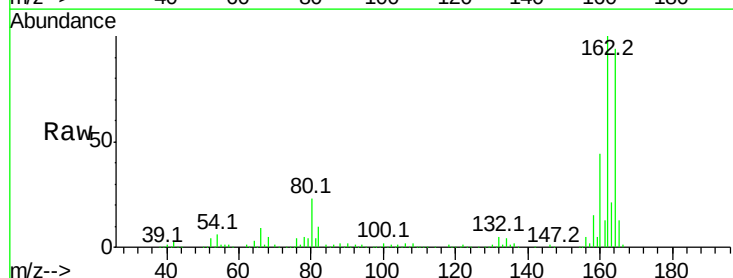


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

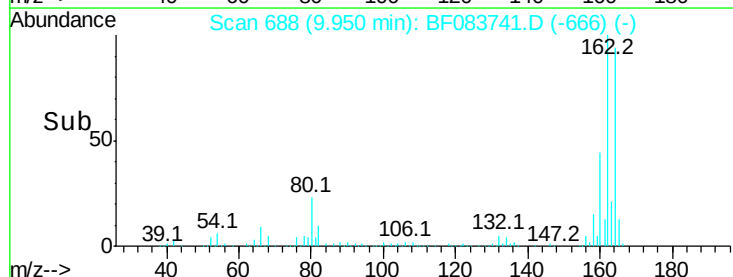
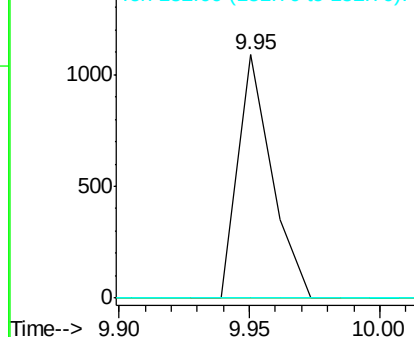


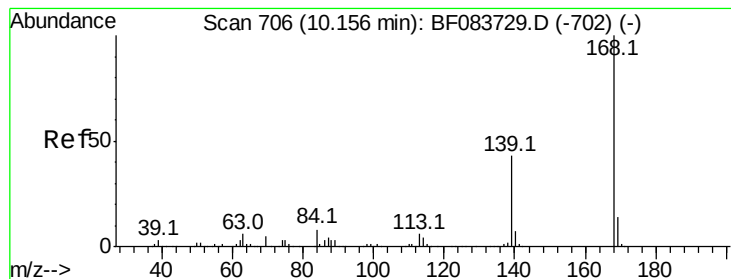
#51
Acenaphthene
Concen: 0.06 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.05 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Tgt Ion:154 Resp: 990
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: 9.94 min Scan# 687

Delta R.T. -0.23 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampled :

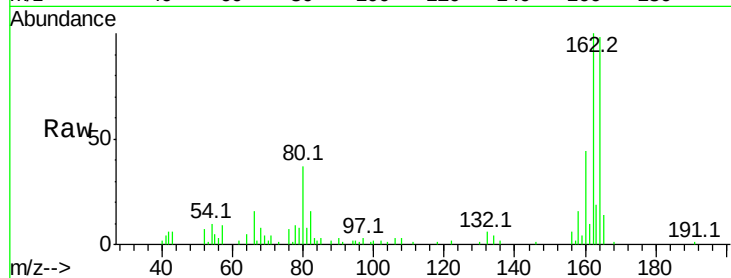
Tot Ion:168 Resp: 257

Ion Ratio Lower Upper

168 100

139 0.0 28.0 42.0#

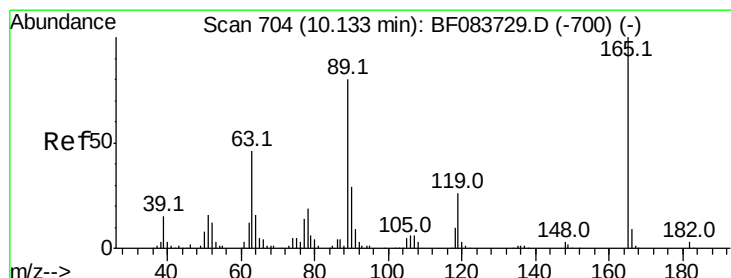
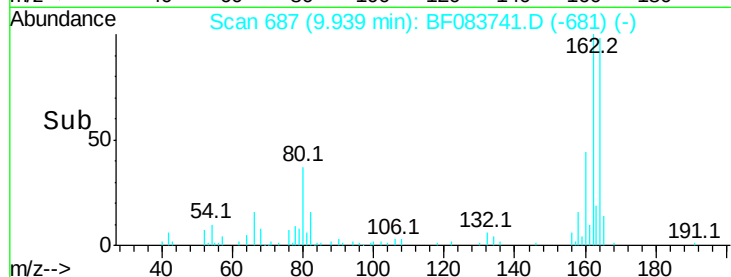
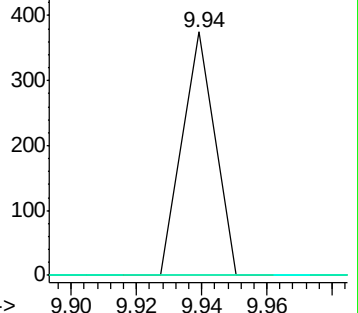
169 0.0 10.8 16.2#



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: 6.12 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.19 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Tgt Ion:165 Resp: 32394

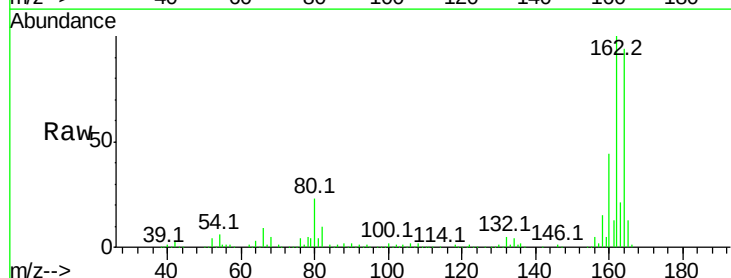
Ion Ratio Lower Upper

165 100

63 1.1 51.4 77.2#

89 1.3 72.6 108.8#

182 0.0 1.4 2.0#

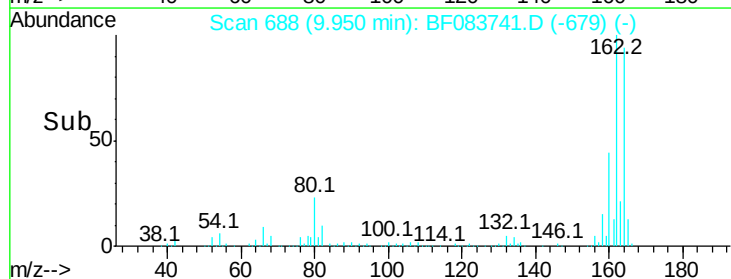
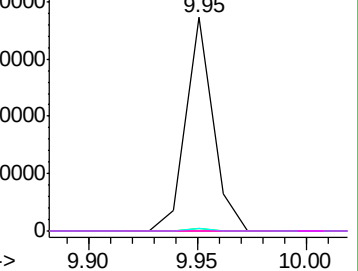


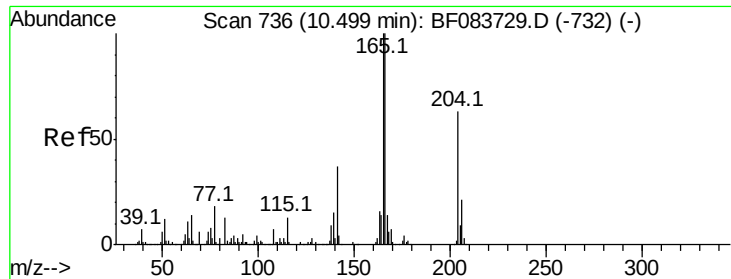
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

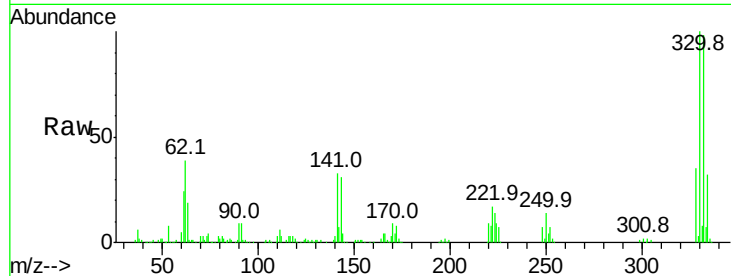




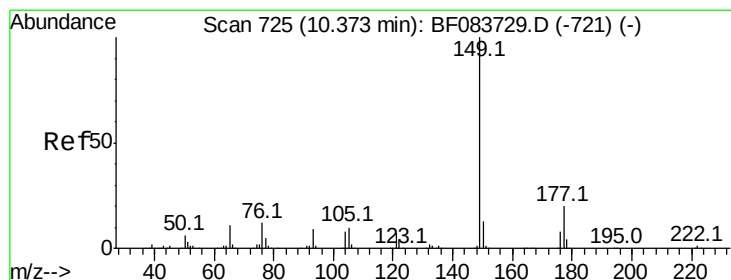
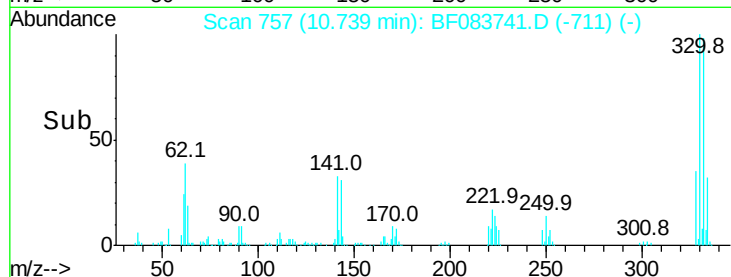
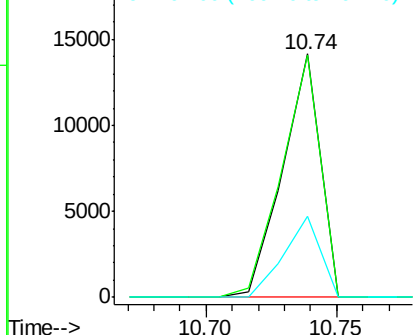
#57
Fluorene
Concen: 0.83 ng
RT: 10.74 min Scan# 757
Delta R.T. 0.23 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:166 Resp: 14177
Ion Ratio Lower Upper
166 100
165 99.5 80.0 120.0
167 33.3 10.6 16.0#

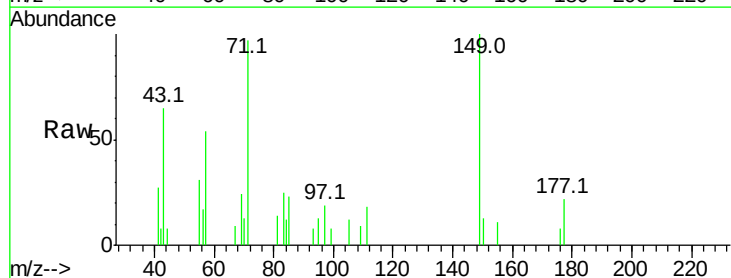


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

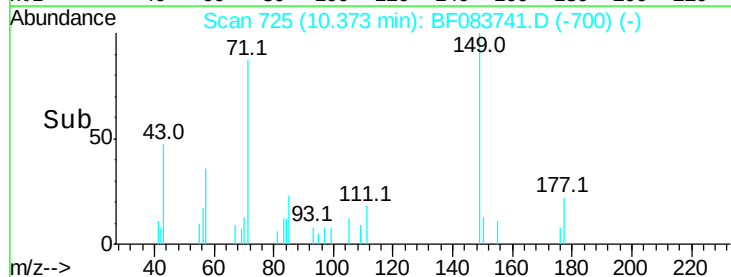
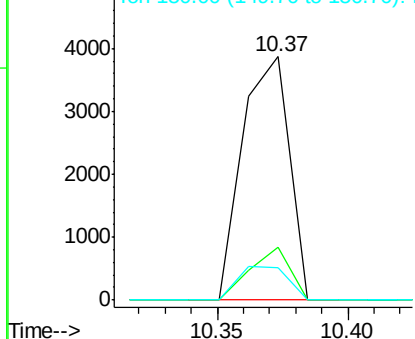


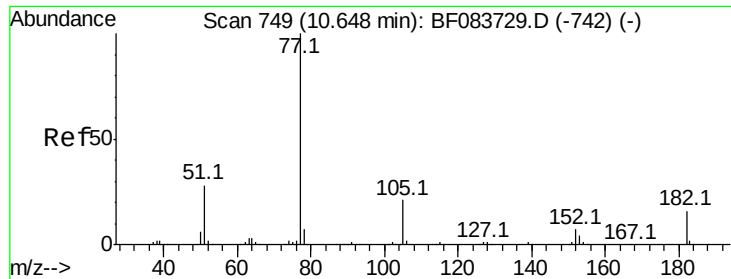
#59
Diethylphthalate
Concen: 0.25 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Tgt Ion:149 Resp: 4873
Ion Ratio Lower Upper
149 100
177 21.9 16.9 25.3
150 13.3 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.01 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 234

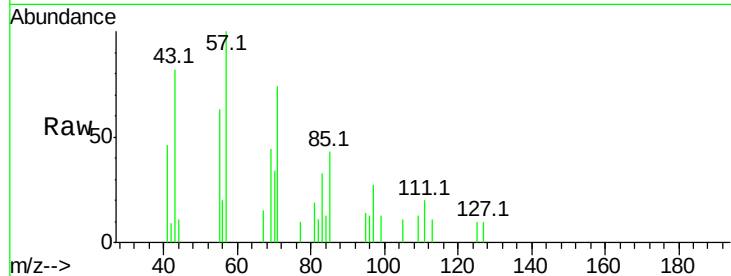
Ion Ratio Lower Upper

77 100

182 0.0 2.5 42.5#

105 109.4 2.1 42.1#

51 0.0 9.3 49.3#

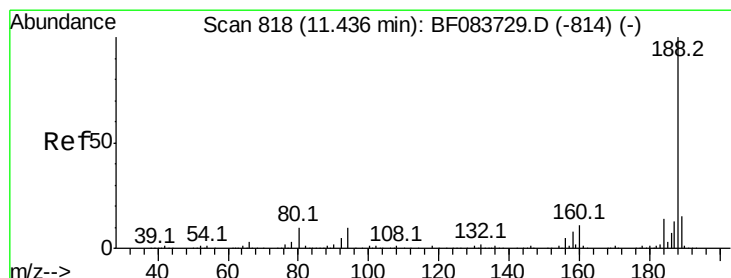
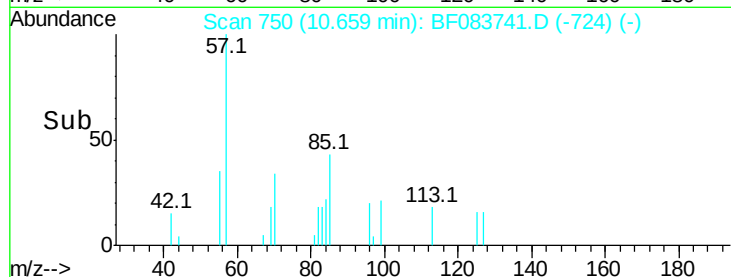
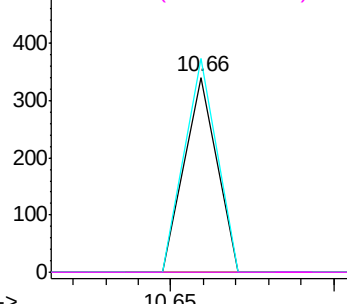


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF083741.D

Acq: 13 Dec 2015 20:48

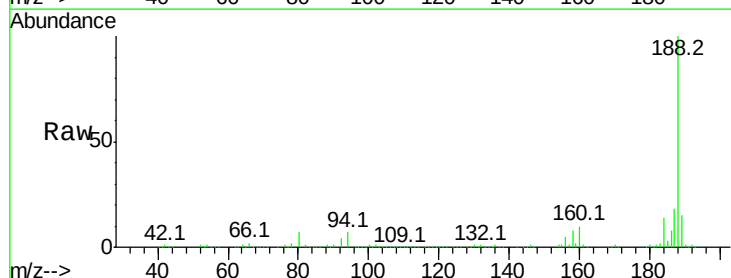
Tgt Ion: 188 Resp: 473154

Ion Ratio Lower Upper

188 100

94 7.0 9.4 14.2#

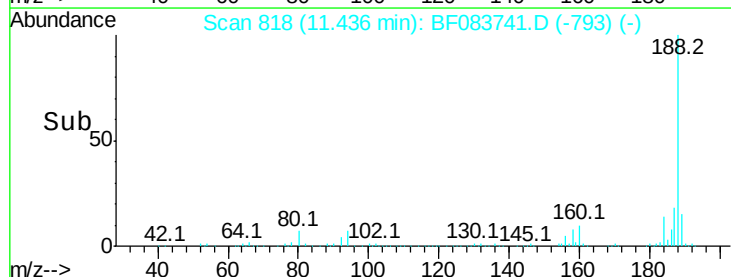
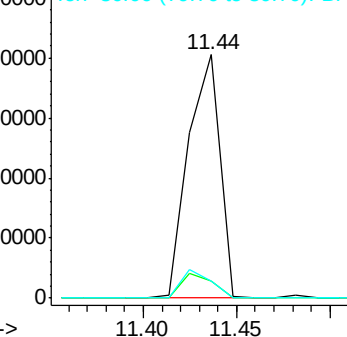
80 6.9 10.6 16.0#

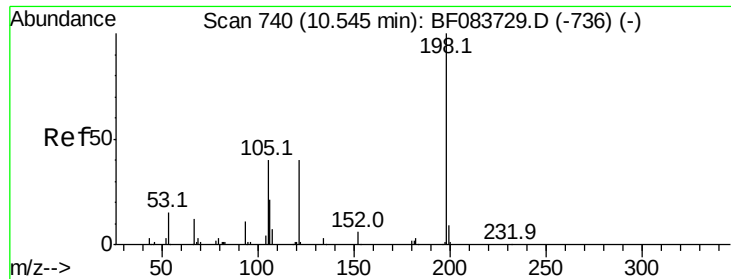


Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.32 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.20 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

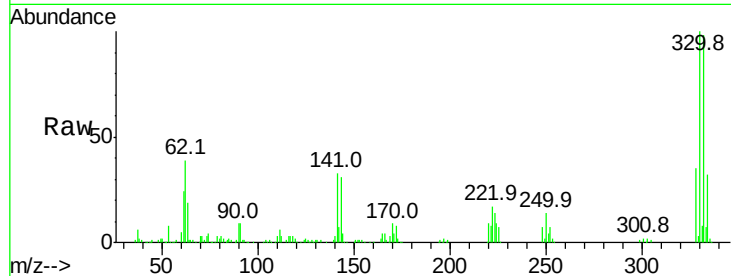
Tot Ion:198 Resp: 857

Ion Ratio Lower Upper

198 100

51 104.1 53.8 93.8#

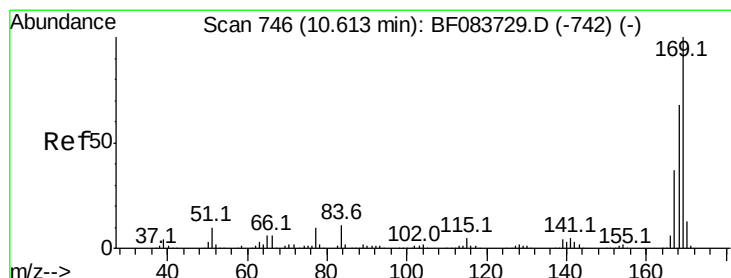
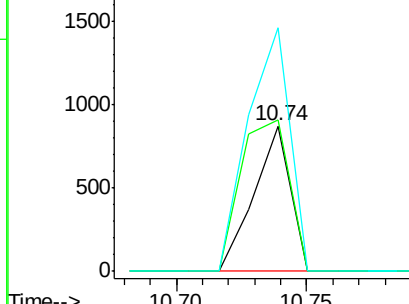
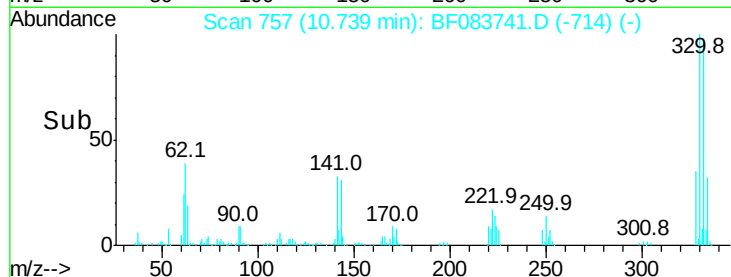
105 167.4 38.6 78.6#



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: 0.03 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

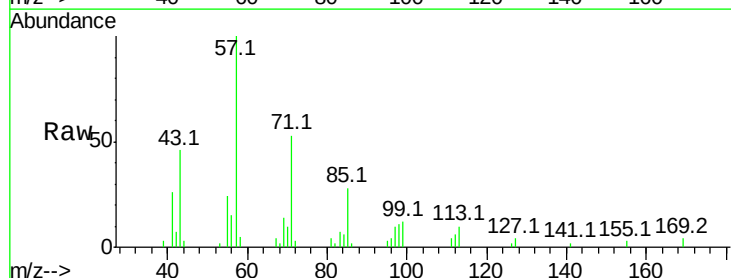
Tgt Ion:169 Resp: 422

Ion Ratio Lower Upper

169 100

168 0.0 53.0 79.6#

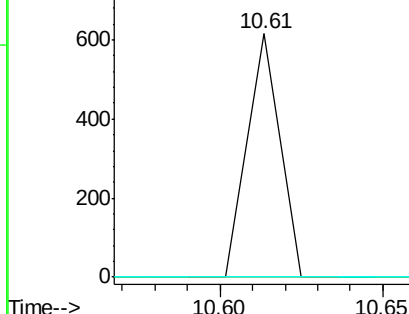
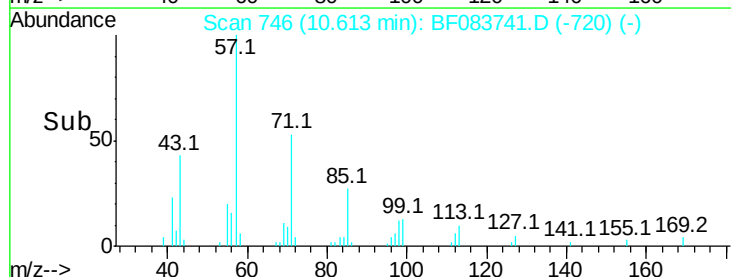
167 0.0 29.3 43.9#

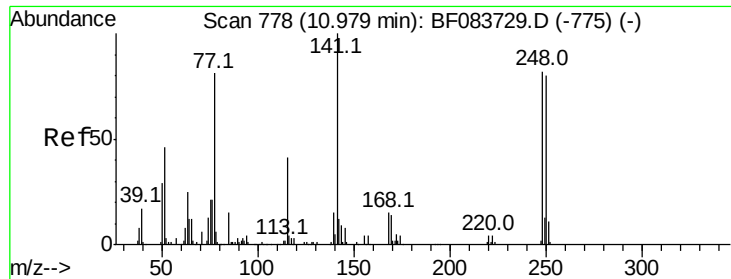


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.82 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.25 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

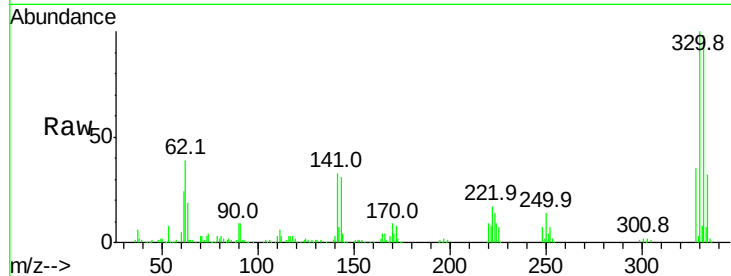
Tot Ion:248 Resp: 20231

Ion Ratio Lower Upper

248 100

250 199.4 79.2 118.8#

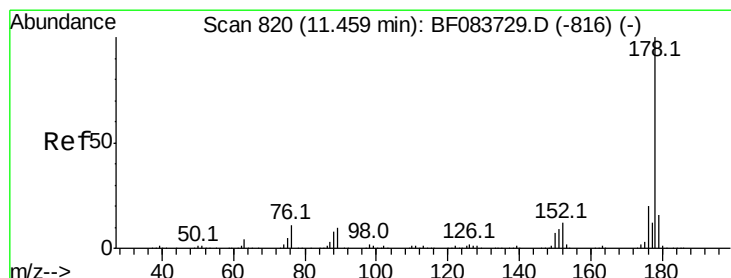
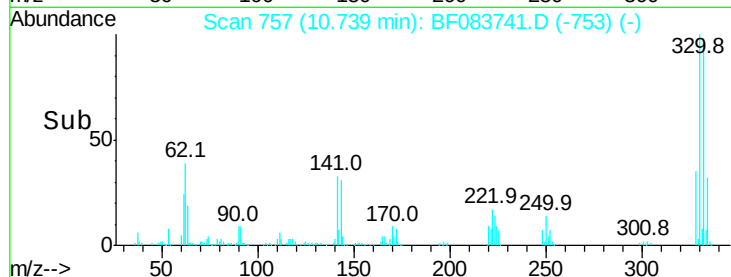
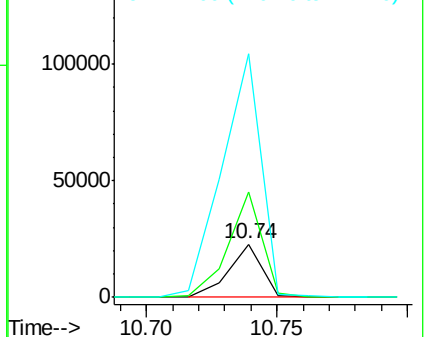
141 460.4 58.2 87.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 0.03 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

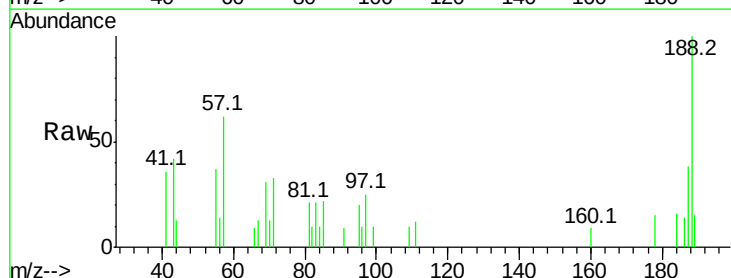
Tgt Ion:178 Resp: 654

Ion Ratio Lower Upper

178 100

176 0.0 15.7 23.5#

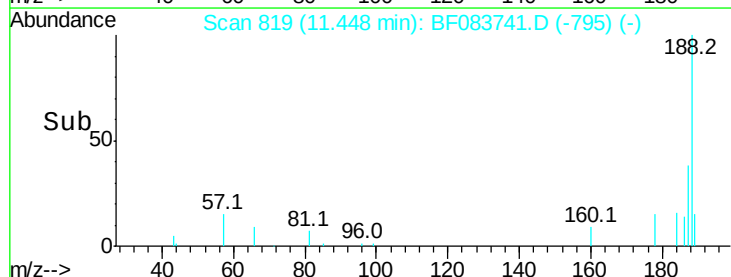
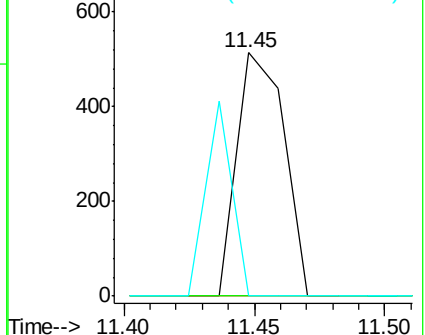
179 0.0 12.2 18.4#

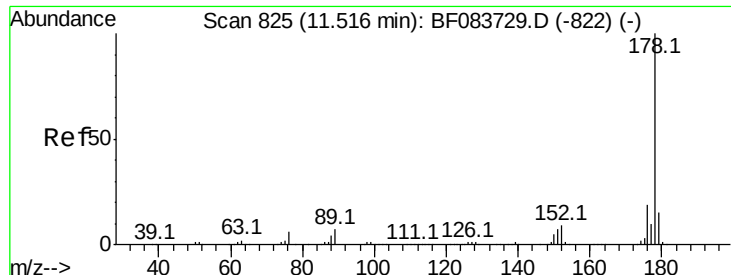


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

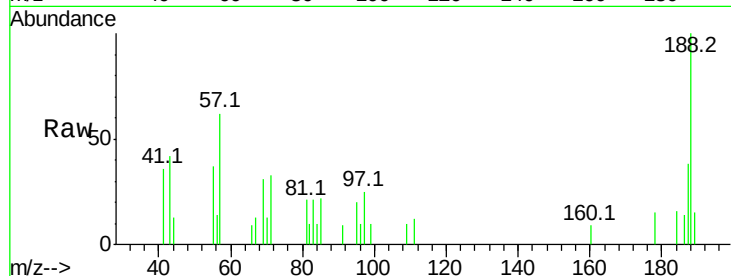




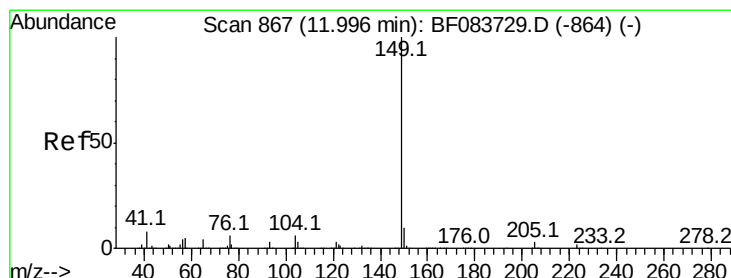
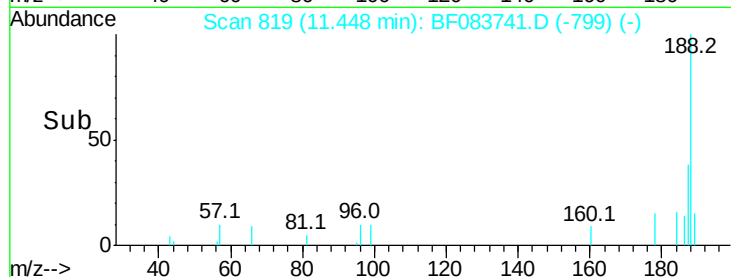
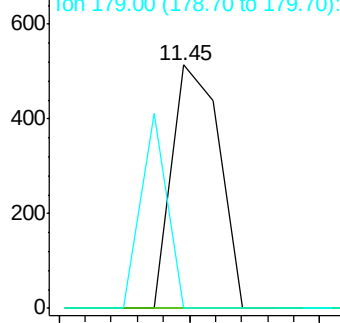
#71
 Anthracene
 Concen: 0.03 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.07 min
 Lab File: BF083741.D
 Acq: 13 Dec 2015 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 654
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.2 22.8#
 179 0.0 12.6 18.8#

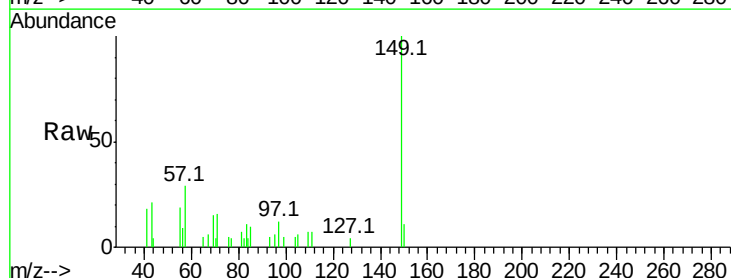


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

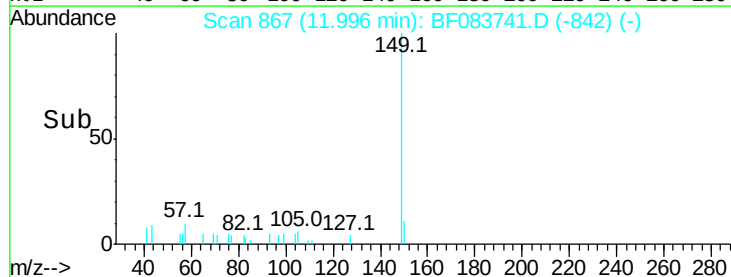
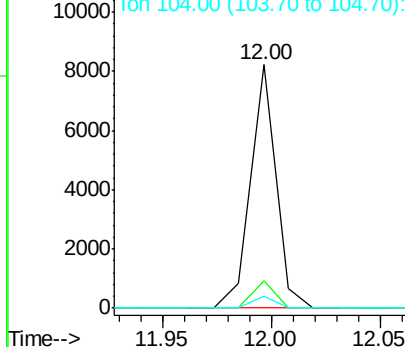


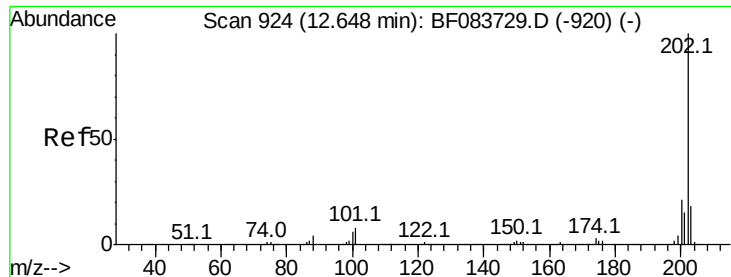
#73
 Di-n-butylphthalate
 Concen: 0.23 ng
 RT: 12.00 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: BF083741.D
 Acq: 13 Dec 2015 20:48

Tgt Ion:149 Resp: 6667
 Ion Ratio Lower Upper
 149 100
 150 11.1 7.8 11.6
 104 4.8 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

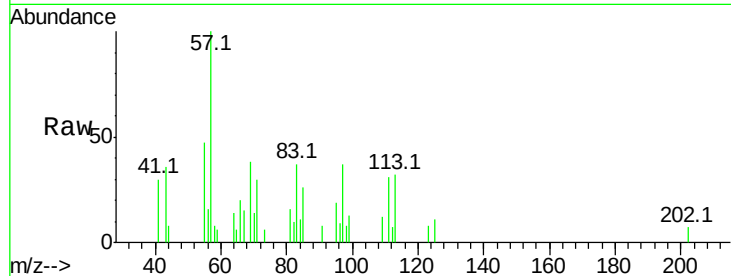




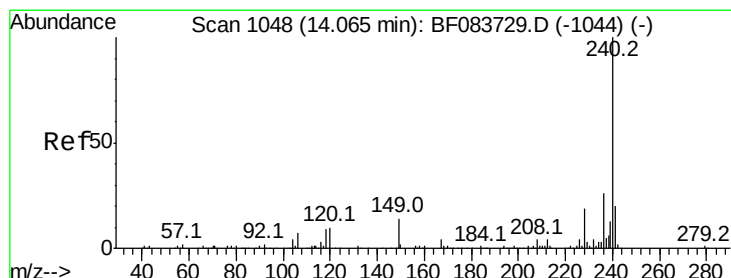
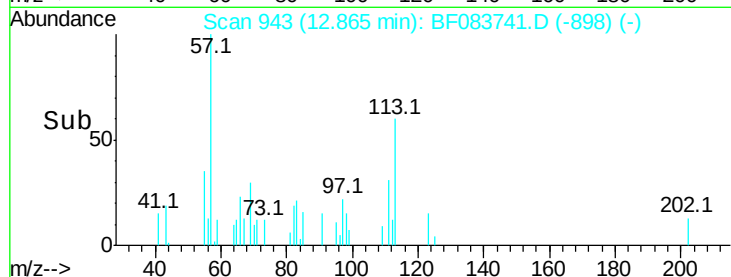
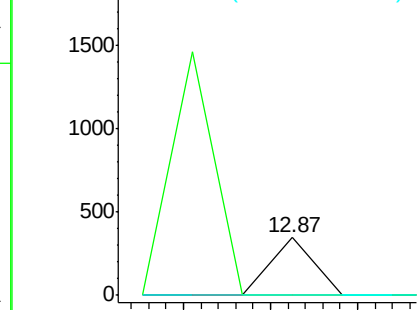
#74
Fluoranthene
Concen: 0.01 ng
RT: 12.87 min Scan# 943
Delta R.T. 0.22 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.5
203	0.0	0.0	37.6

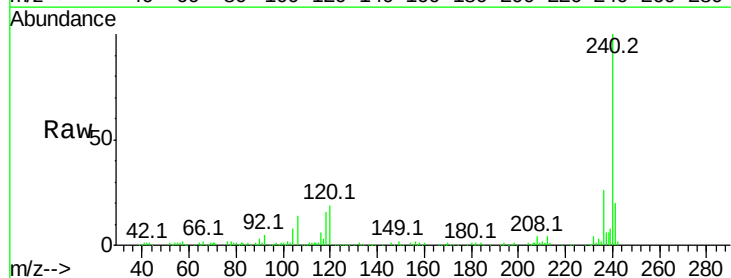


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

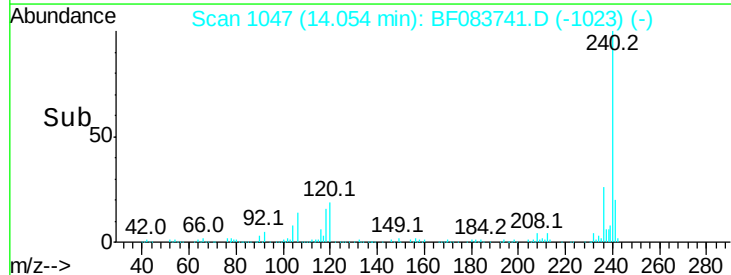
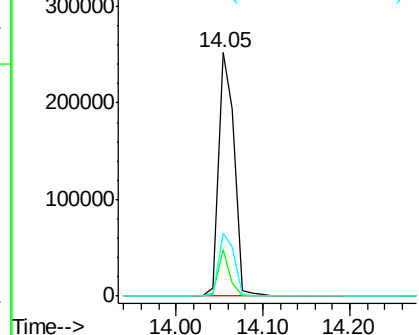


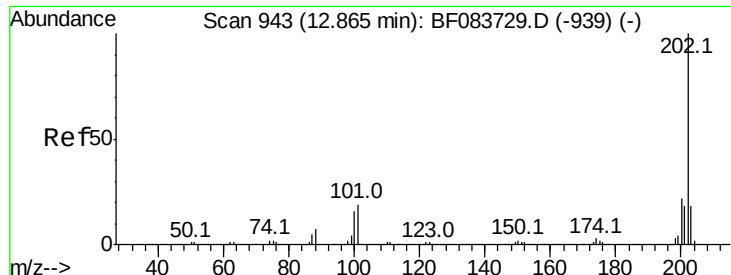
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.2	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

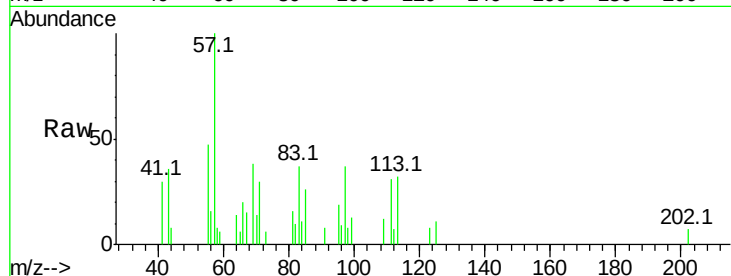




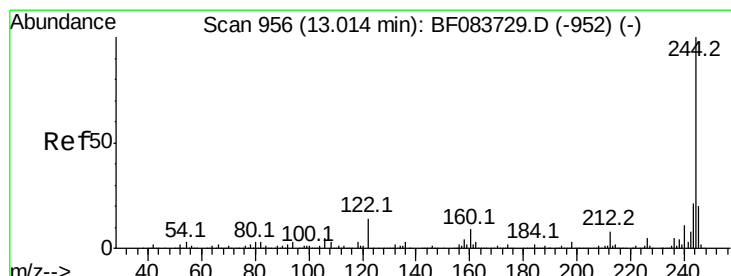
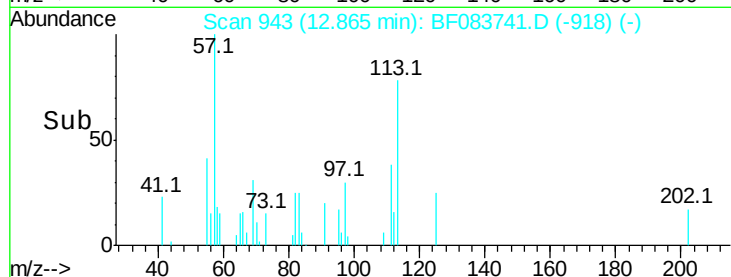
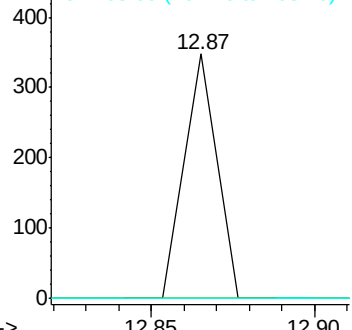
#77
 Pvrene
 Concen: 0.01 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF083741.D
 Acq: 13 Dec 2015 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 239
 Ion Ratio Lower Upper
 202 100
 200 0.0 16.7 25.1#
 203 0.0 14.3 21.5#

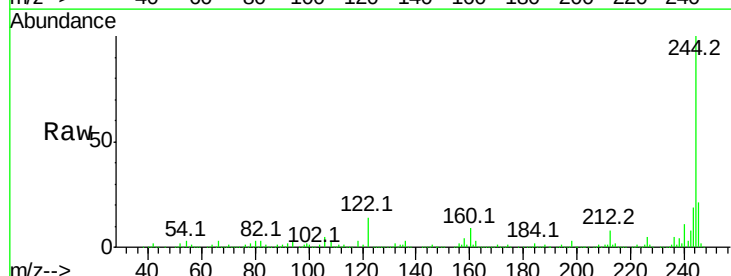


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

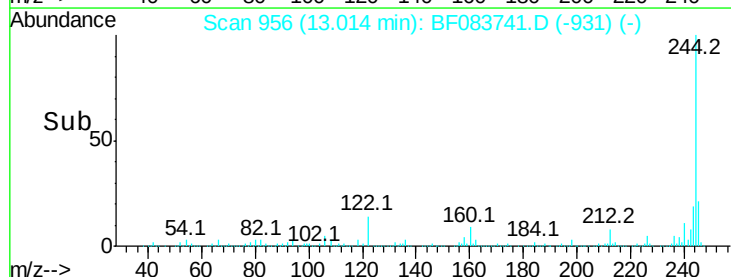
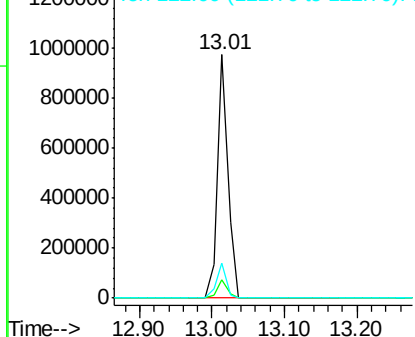


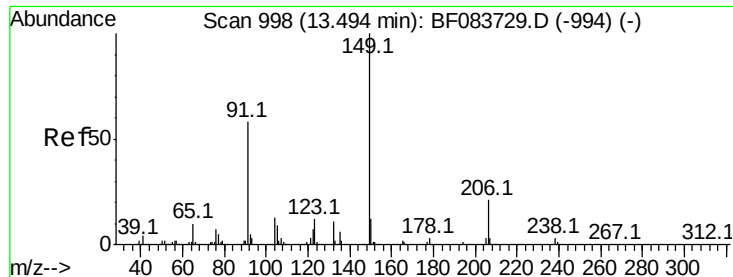
#78
 Terphenyl-d14
 Concen: 65.75 ng
 RT: 13.01 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF083741.D
 Acq: 13 Dec 2015 20:48

Tgt Ion:244 Resp: 978969
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 14.3 11.0 16.6



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

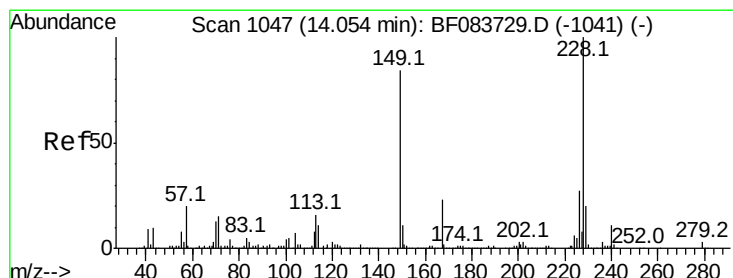
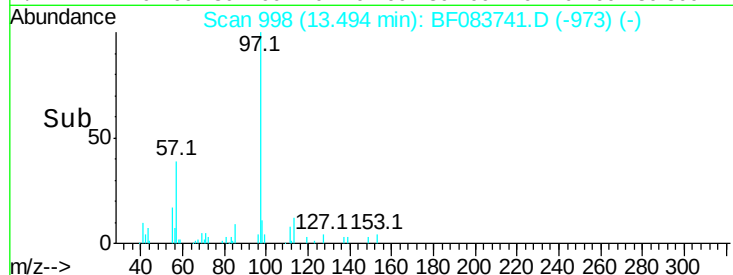
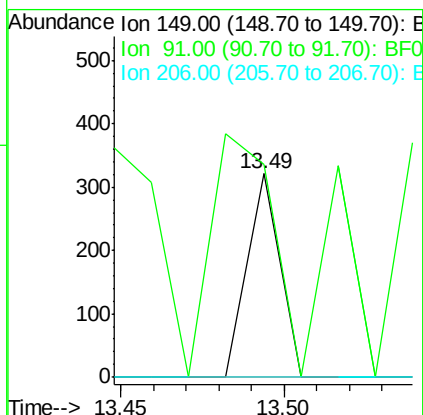
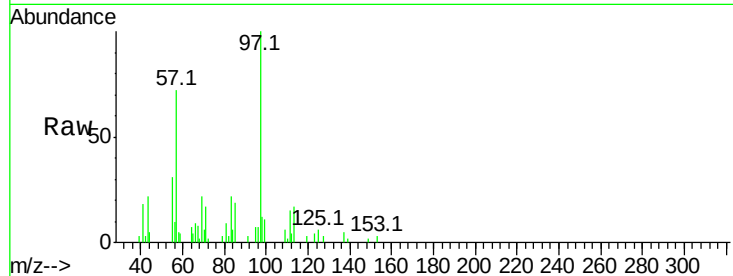




#79
Butylbenzylphthalate
Concen: 0.02 ng
RT: 13.49 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

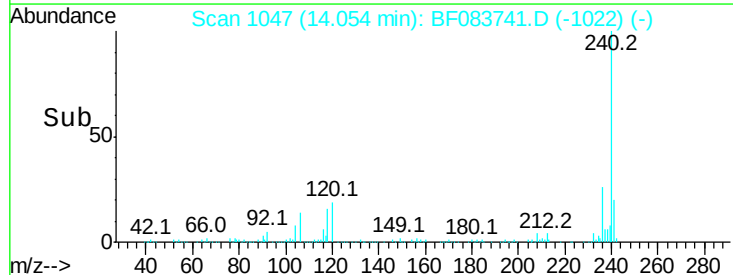
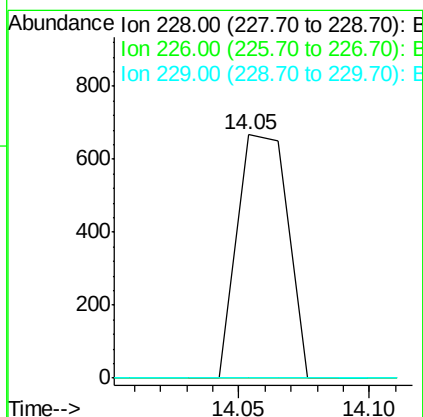
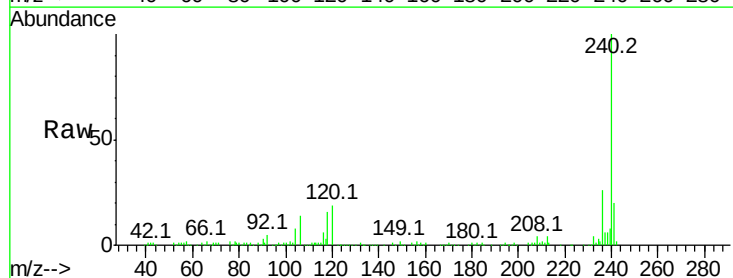
Instrument :
BNA_F
ClientSampled :

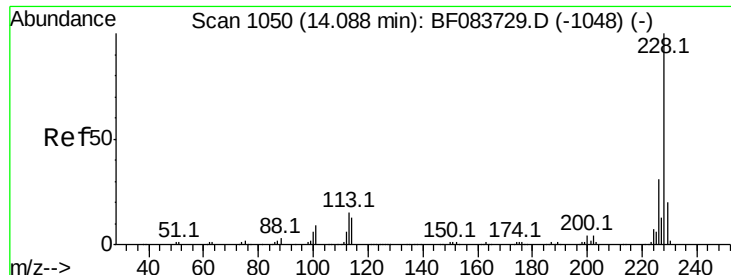
Tot Ion	Ratio	Lower	Upper
149	100		
91	104.4	60.0	90.0#
206	0.0	16.2	24.4#



#80
Benzo(a)anthracene
Concen: 0.05 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF083741.D
Acq: 13 Dec 2015 20:48

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





#82

Chrysene

Concen: 0.05 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.05 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

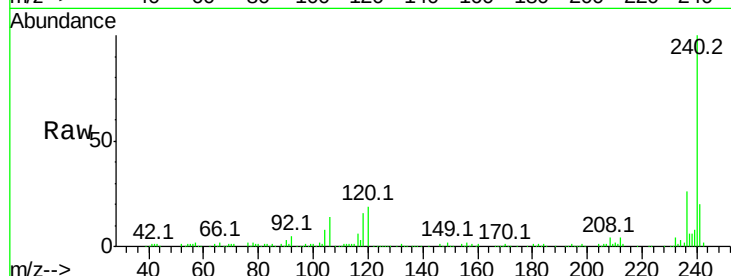
Tot Ion:228 Resp: 905

Ion Ratio Lower Upper

228 100

226 0.0 24.7 37.1#

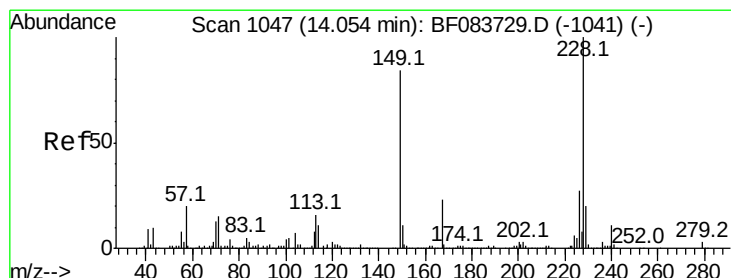
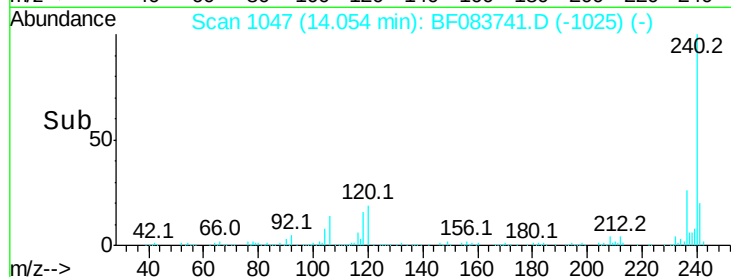
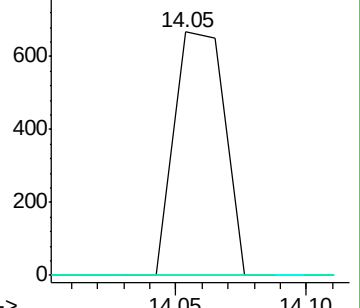
229 0.0 16.3 24.5#



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: 0.40 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

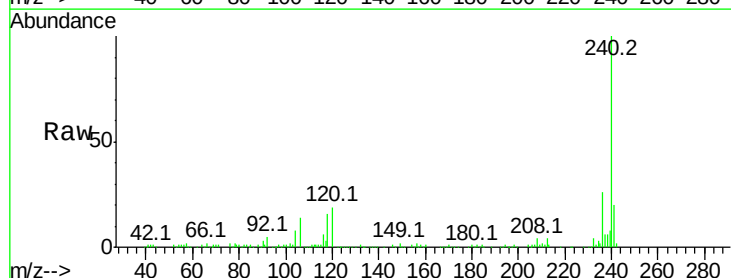
Tgt Ion:149 Resp: 4967

Ion Ratio Lower Upper

149 100

167 25.2 21.8 32.8

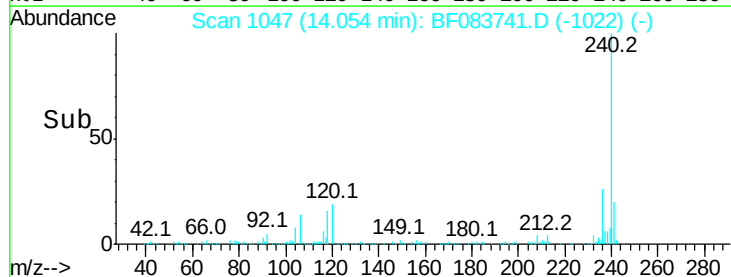
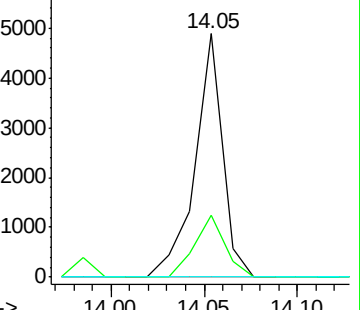
279 0.0 3.0 4.4#

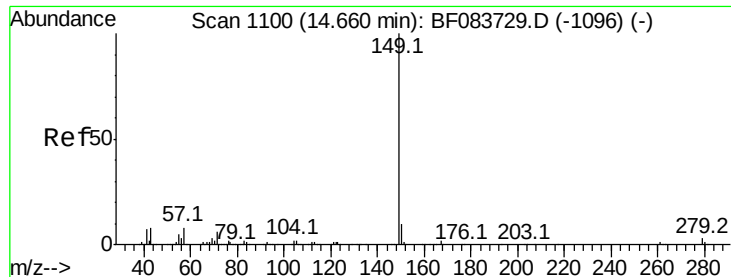


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.04 ng

RT: 14.66 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

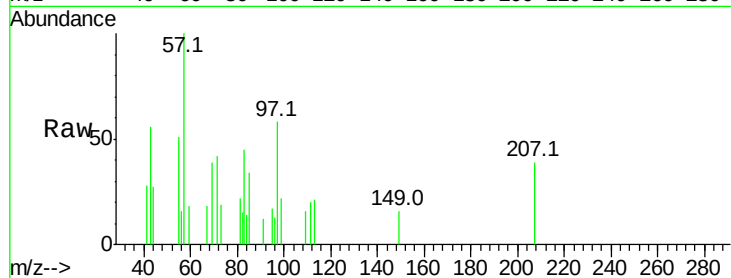
Tot Ion:149 Resp: 729

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

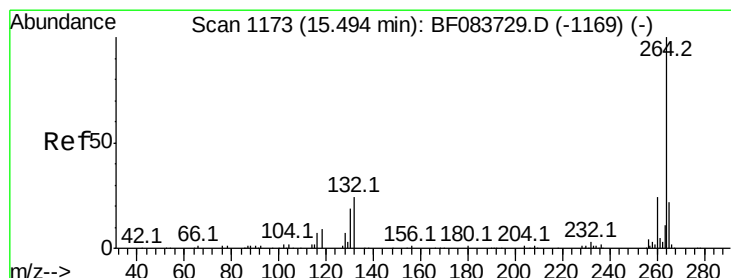
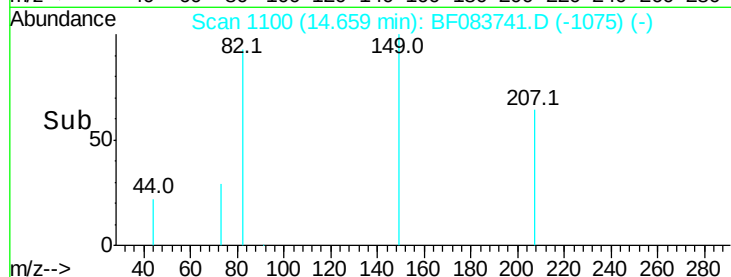
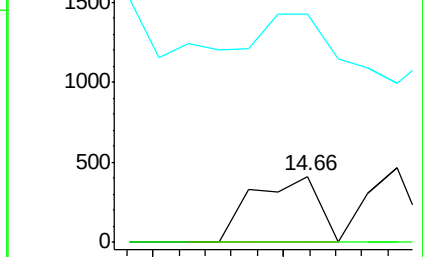
43 124.7 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

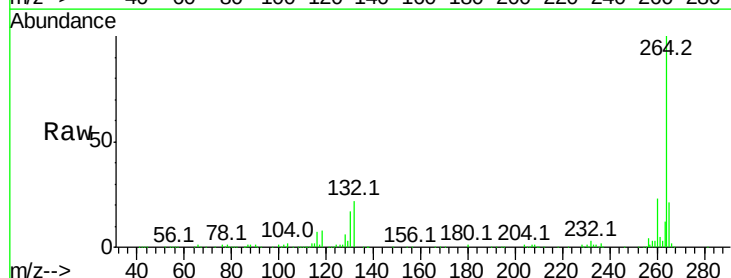
Tgt Ion:264 Resp: 253959

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.0

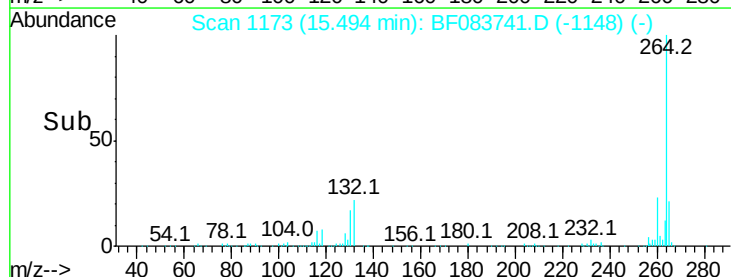
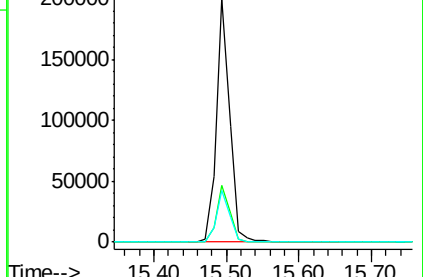
265 21.0 17.8 26.6

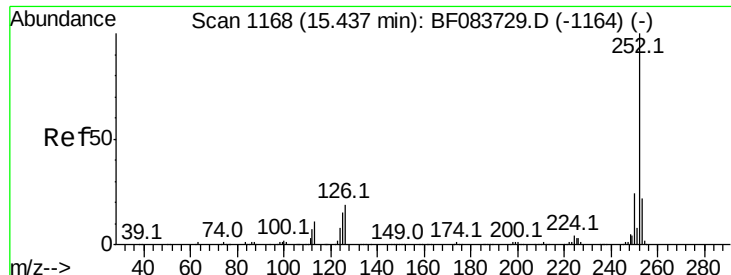


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.05 ng

RT: 15.49 min Scan# 1173

Delta R.T. 0.05 min

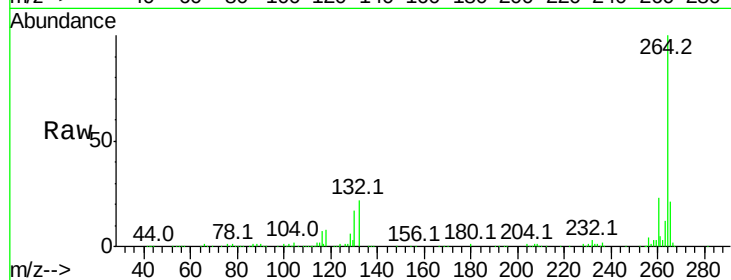
Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	672
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.5	26.3#
125	0.0	11.0	16.6#

