

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083746.D
 Acq On : 13 Dec 2015 23:08
 Operator : UM/IZ
 Sample : G4743-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 02:34:23 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	126609	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	514091	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	237836	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	422154	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	286720	20.00	ng	-0.02
86) Perylene-d12	15.49	264	242286	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	949695	121.01	ng	0.00
7) Phenol-d6	6.54	99	1188618	119.60	ng	0.00
23) Nitrobenzene-d5	7.48	82	899843	97.93	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	321037	132.47	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	1233561	72.80	ng	-0.01
78) Terphenyl-d14	13.01	244	1088216	81.64	ng	-0.01

Target Compounds						Qvalue
6) Aniline	6.56	93	442	0.03	ng	# 1
8) 2-Chlorophenol	6.70	128	614	0.07	ng	85
9) Benzaldehyde	6.68	77	25170	4.72	ng	86
10) Phenol	6.56	94	25300	2.21	ng	93
11) bis(2-Chloroethyl)ether	6.69	93	1600	0.19	ng	# 1
15) Benzyl Alcohol	7.07	79	14282	1.96	ng	# 52
16) 2,2'-oxybis(1-Chloropropan	7.29	45	652	0.06	ng	# 43
17) 2-Methylphenol	7.05	107	407	0.05	ng	# 35
19) n-Nitroso-di-n-propylamine	7.48	70	121675	19.99	ng	# 68
22) Acetophenone	7.32	105	259	0.02	ng	# 51
24) Nitrobenzene	7.48	77	2440	0.26	ng	# 39
25) Isophorone	7.48	82	849077	47.10	ng	# 69
31) Naphthalene	8.32	128	1227	0.05	ng	# 1
45) 1,1'-Biphenyl	9.28	154	2491	0.12	ng	# 1
47) 2-Nitroaniline	9.66	65	3924	0.89	ng	# 1
48) Acenaphthylene	9.81	152	248	0.01	ng	# 60
49) Dimethylphthalate	9.66	163	381845	20.59	ng	99
50) 2,6-Dinitrotoluene	9.66	165	4501	1.14	ng	# 11
51) Acenaphthene	9.95	154	658	0.04	ng	# 4
54) Dibenzofuran	10.16	168	414	0.02	ng	# 47
56) 2,4-Dinitrotoluene	9.95	165	31301	6.09	ng	# 12
57) Fluorene	10.74	166	15423	0.93	ng	# 91
59) Diethylphthalate	10.37	149	1690	0.09	ng	# 79
62) Azobenzene	10.66	77	269	0.02	ng	# 14
64) 4,6-Dinitro-2-methylphenol	10.74	198	921	0.38	ng	# 9
65) n-Nitrosodiphenylamine	10.74	169	11309	0.78	ng	# 46
66) 4-Bromophenyl-phenylether	10.74	248	23231	4.92	ng	# 1
70) Phenanthrene	11.45	178	3507	0.16	ng	99
71) Anthracene	11.45	178	3507	0.15	ng	98
72) Carbazole	11.65	167	245	0.01	ng	# 60
73) Di-n-butylphthalate	12.00	149	7133	0.27	ng	99
74) Fluoranthene	12.64	202	4922	0.21	ng	96
77) Pyrene	12.87	202	3571	0.16	ng	99
80) Benzo(a)anthracene	14.05	228	4171	0.26	ng	# 90

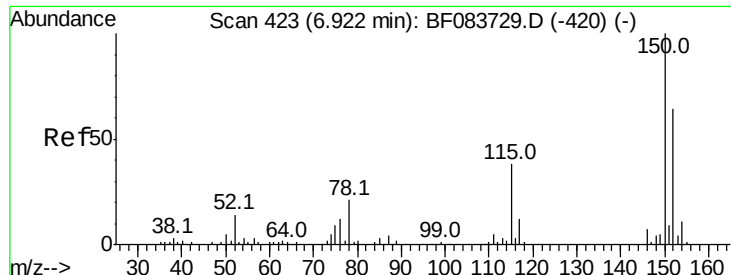
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083746.D
Acq On : 13 Dec 2015 23:08
Operator : UM/IZ
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 01:30:12 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	14.05	228	4171	0.26	nq	# 88
83) Bis(2-ethylhexyl)phthalate	14.05	149	1828	0.17	nq	# 83
84) Di-n-octyl phthalate	14.43	149	492	0.03	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.91	276	798	0.05	nq	# 100
87) Benzo(b)fluoranthene	15.08	252	2569	0.17	nq	# 54
88) Benzo(k)fluoranthene	15.08	252	2569	0.18	nq	# 59
89) Benzo(a)pyrene	15.43	252	1066	0.08	nq	# 59
91) Benzo(a,h,i)perylene	17.33	276	598	0.04	nq	# 51

(#) = 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: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampleId :

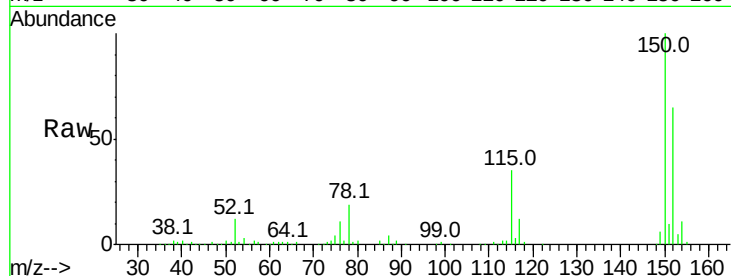
Tot Ion:152 Resp: 126609

Ion Ratio Lower Upper

152 100

150 154.1 126.5 189.7

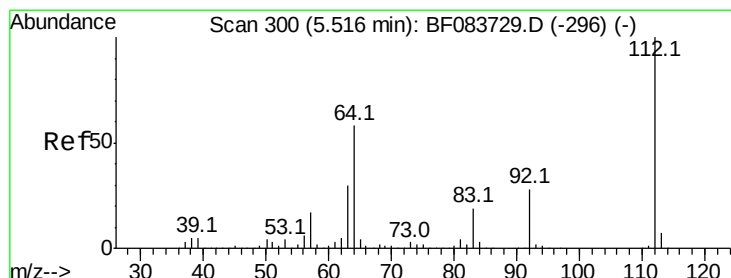
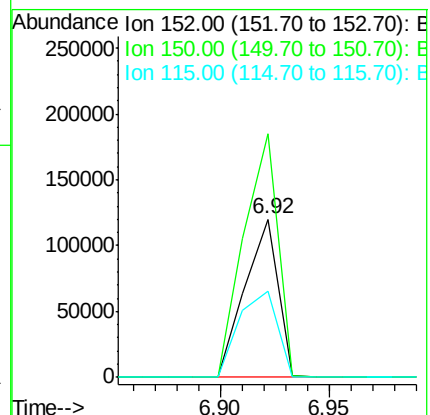
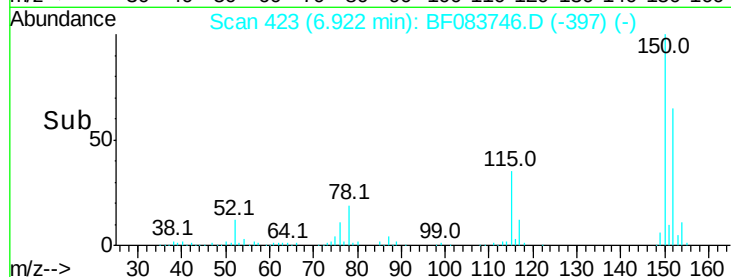
115 54.2 52.3 78.5



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



#5

2-Fluorophenol

Concen: 121.01 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

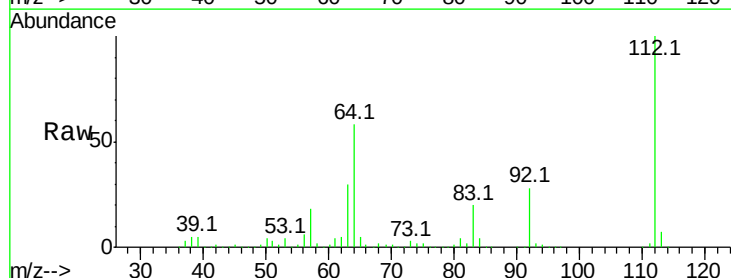
Tgt Ion:112 Resp: 949695

Ion Ratio Lower Upper

112 100

64 58.4 50.5 75.7

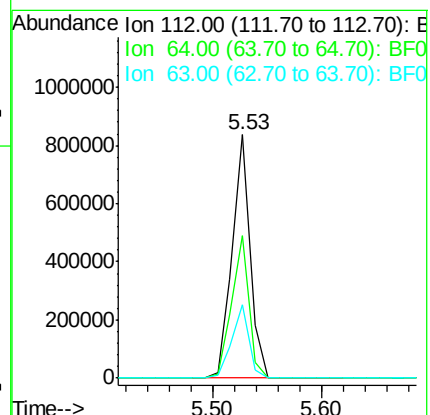
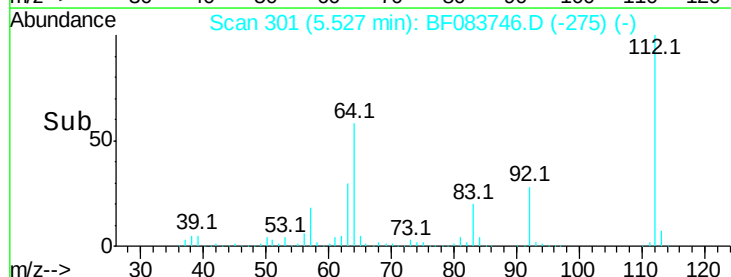
63 30.3 25.8 38.6

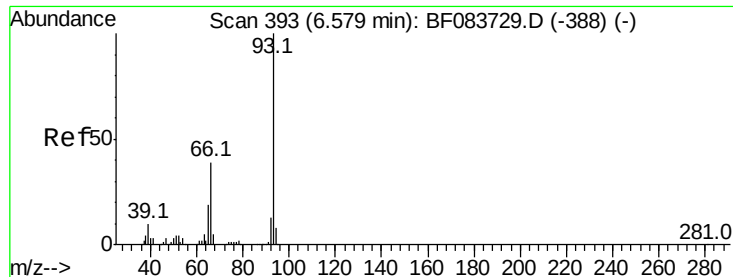


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.03 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.02 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampleId :

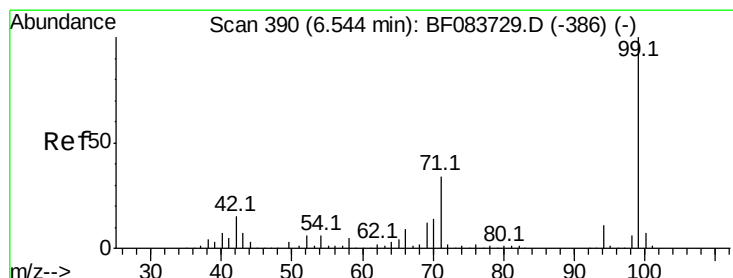
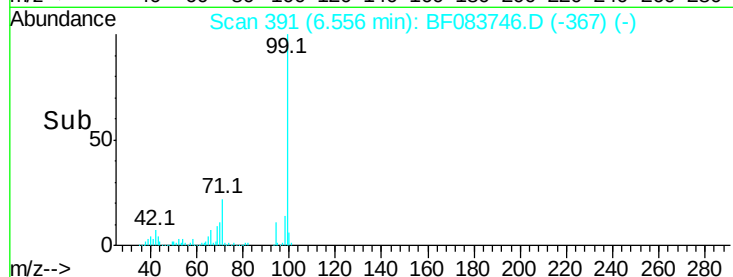
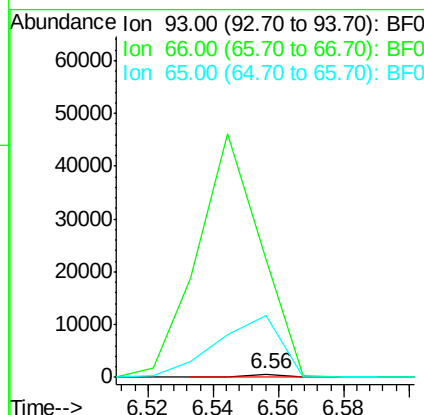
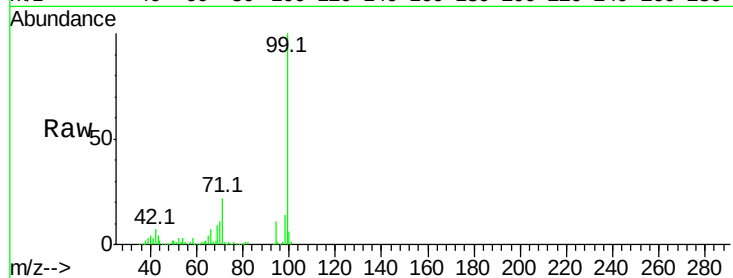
Tot Ion: 93 Resp: 442

Ion Ratio Lower Upper

93 100

66 3469.1 41.3 61.9#

65 1820.3 20.8 31.2#



#7

Phenol-d6

Concen: 119.60 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

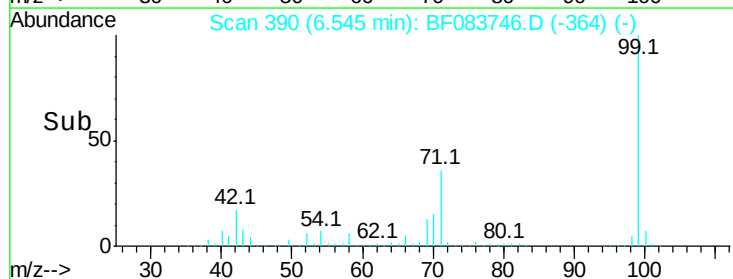
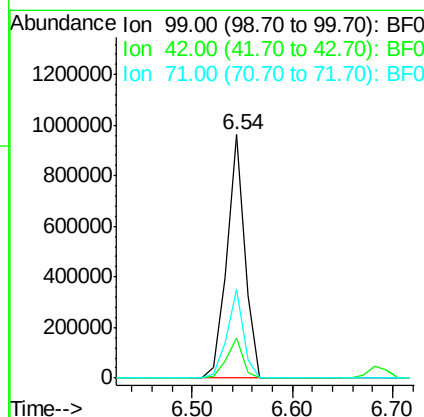
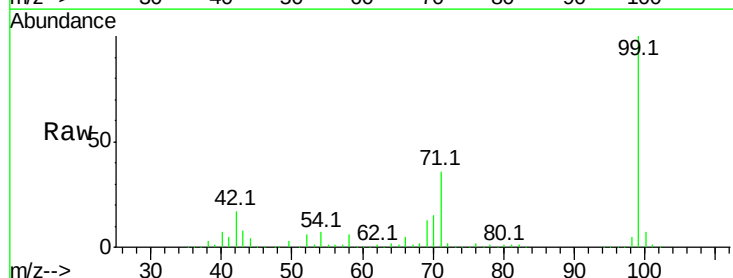
Tgt Ion: 99 Resp: 1188618

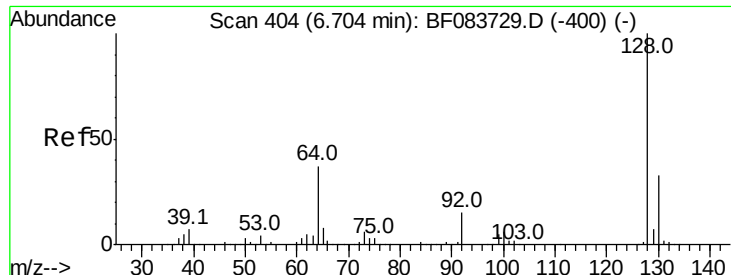
Ion Ratio Lower Upper

99 100

42 16.6 17.3 25.9#

71 36.5 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: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampled :

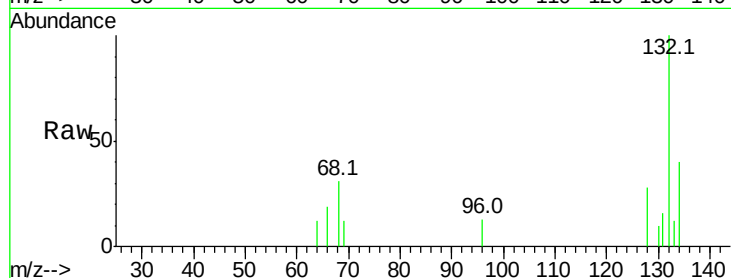
Tot Ion:128 Resp: 614

Ion Ratio Lower Upper

128 100

130 36.3 12.6 52.6

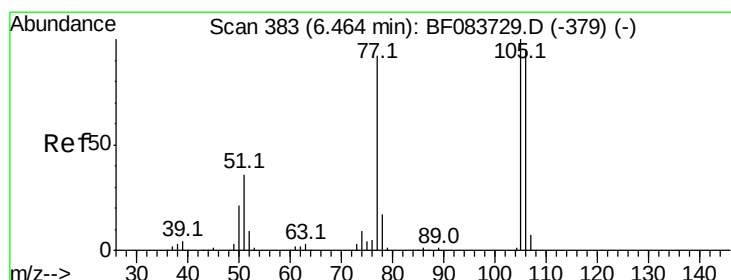
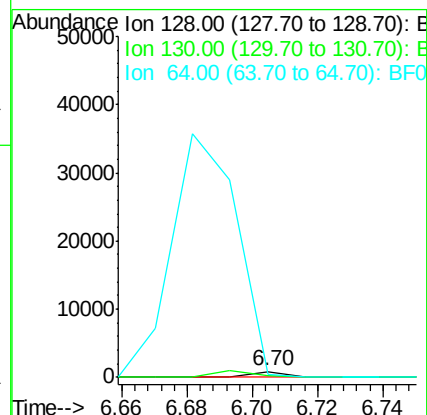
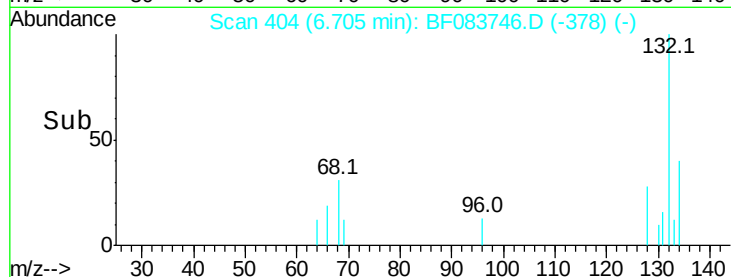
64 43.5 38.6 78.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 4.72 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.22 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

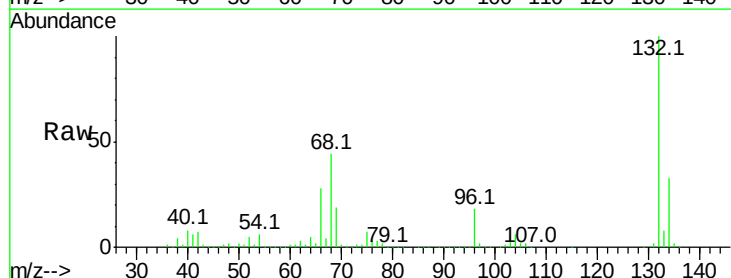
Tgt Ion: 77 Resp: 25170

Ion Ratio Lower Upper

77 100

105 77.2 71.8 111.8

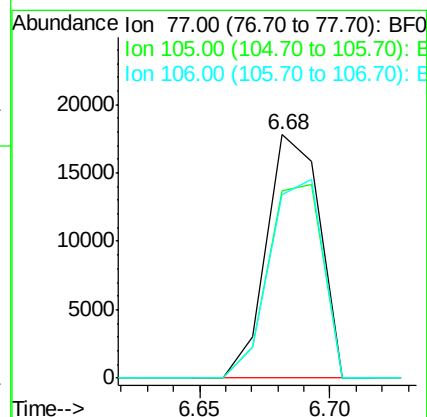
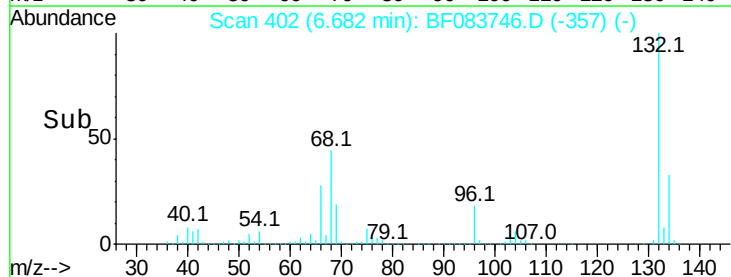
106 75.2 66.8 106.8

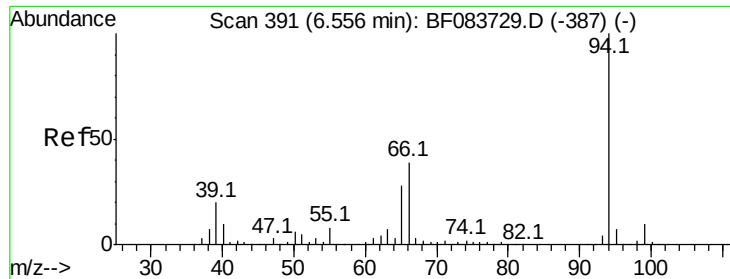


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.21 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampleId :

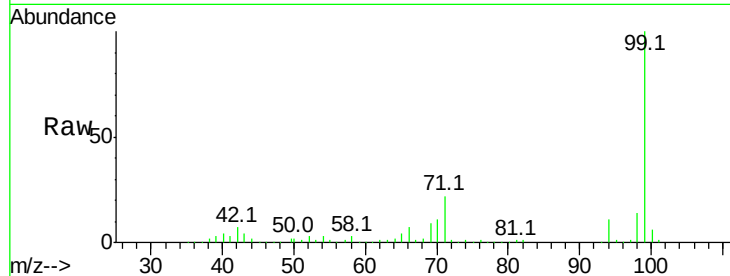
Tot Ion: 94 Resp: 25300

Ion Ratio Lower Upper

94 100

65 33.8 20.9 60.9

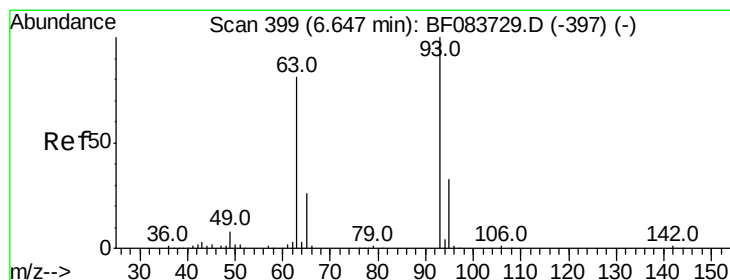
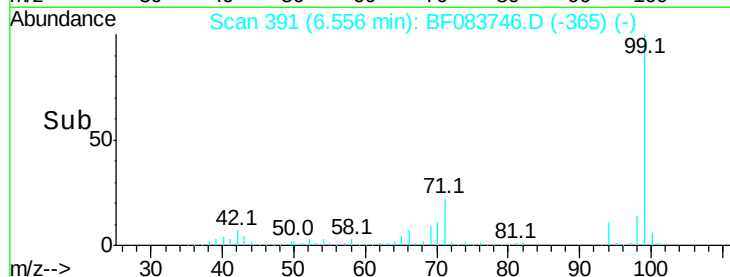
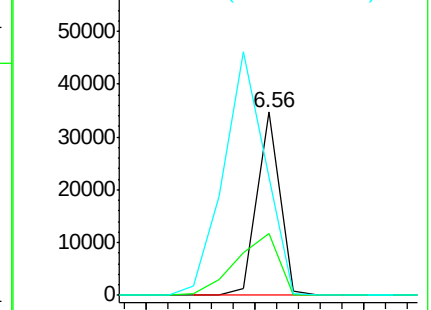
66 64.4 41.6 81.6



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: 0.19 ng

RT: 6.69 min Scan# 403

Delta R.T. 0.03 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

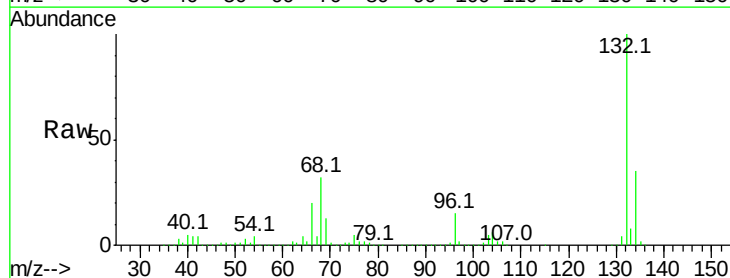
Tgt Ion: 93 Resp: 1600

Ion Ratio Lower Upper

93 100

63 539.4 64.7 104.7#

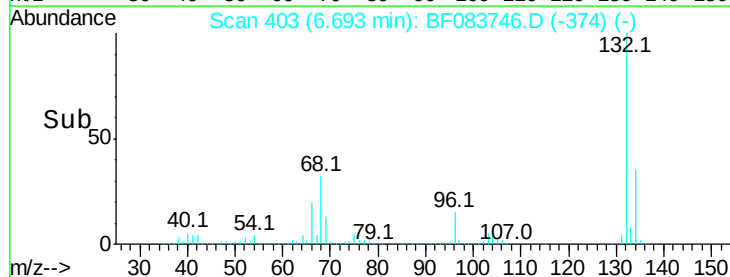
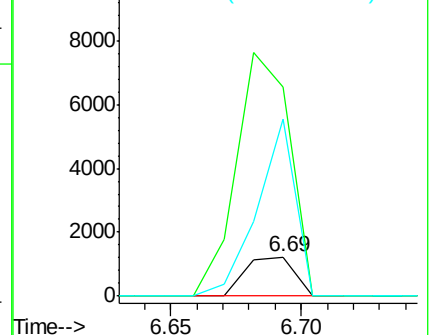
95 456.8 12.7 52.7#

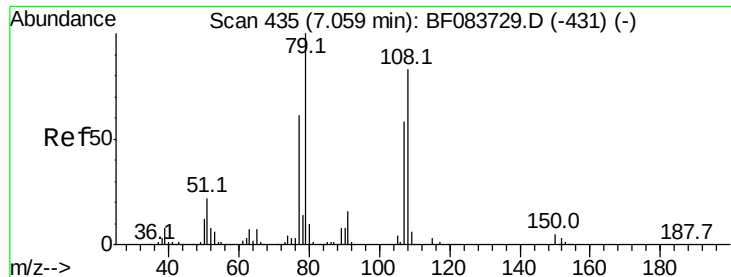


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 1.96 ng

RT: 7.07 min Scan# 436

Delta R.T. 0.01 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampled :

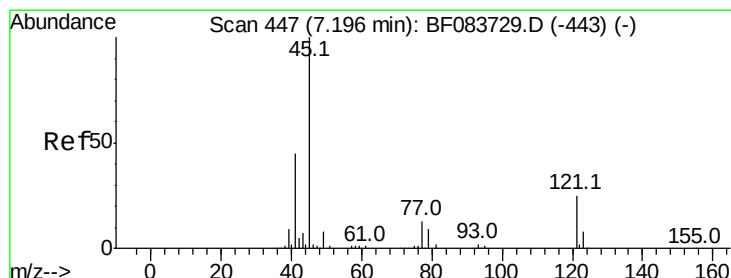
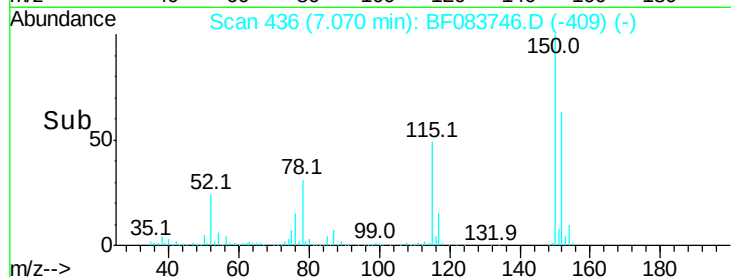
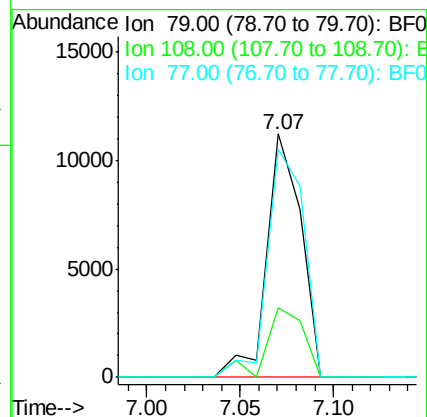
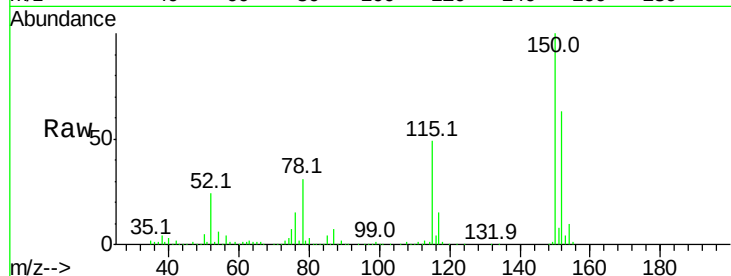
Tot Ion: 79 Resp: 14282

Ion Ratio Lower Upper

79 100

108 28.4 59.6 89.4#

77 93.5 49.8 74.6#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.06 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.08 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

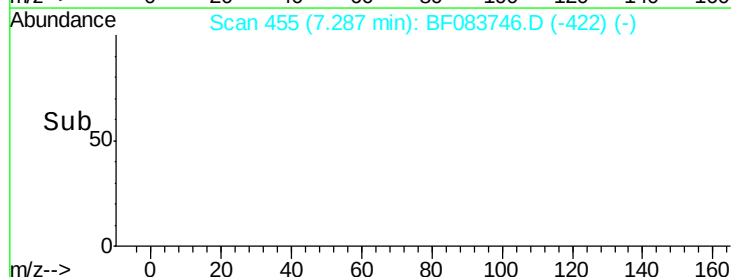
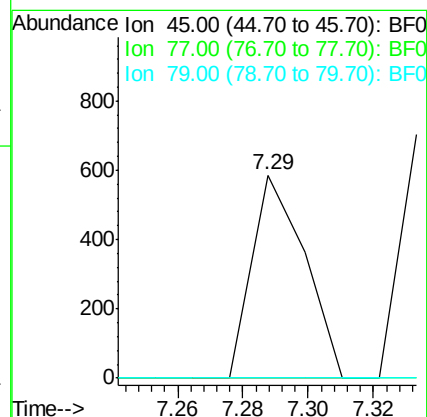
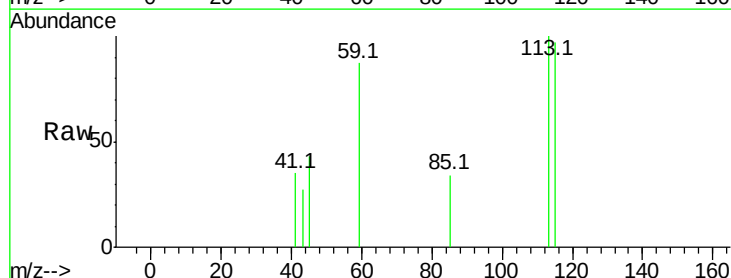
Tgt Ion: 45 Resp: 652

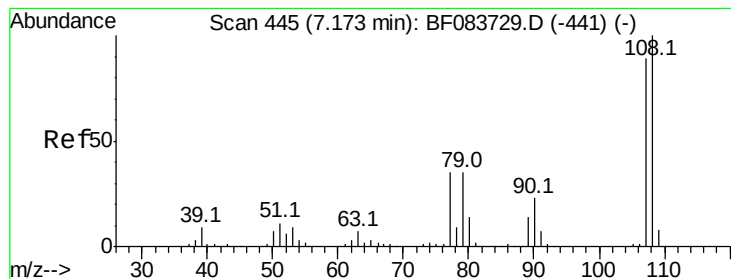
Ion Ratio Lower Upper

45 100

77 0.0 12.8 52.8#

79 0.0 10.7 50.7#





#17

2-Methylphenol

Concen: 0.05 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.13 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 407

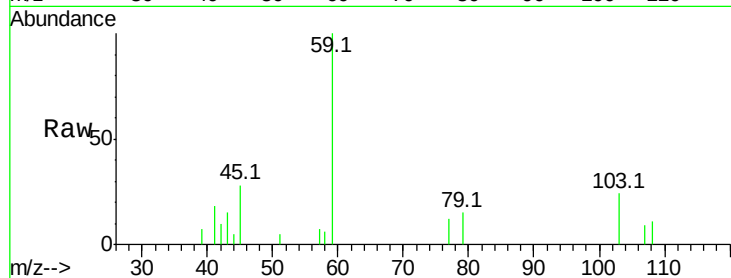
Ion Ratio Lower Upper

107 100

108 127.8 91.6 137.4

77 135.9 53.7 80.5#

79 170.0 50.2 75.4#

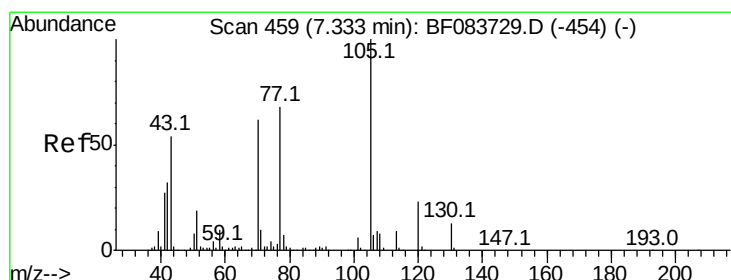
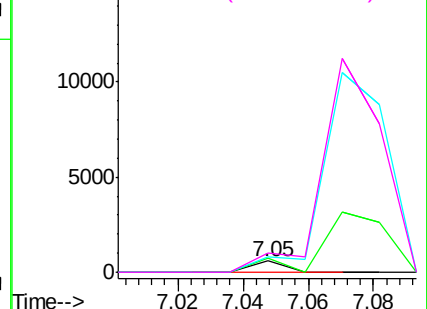
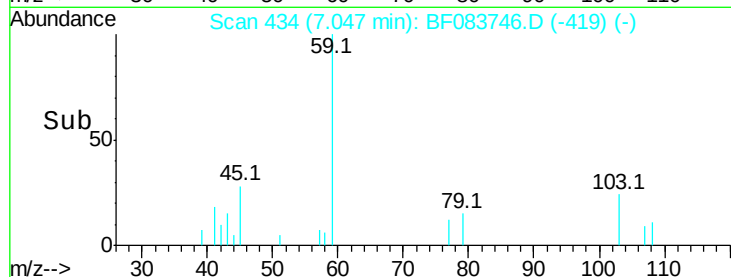


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.99 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Tgt Ion: 70 Resp: 121675

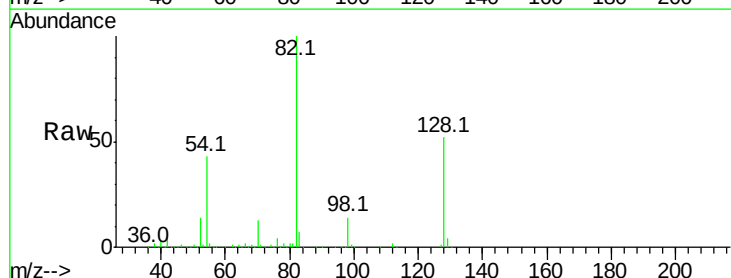
Ion Ratio Lower Upper

70 100

42 37.0 49.2 73.8#

101 0.0 7.1 10.7#

130 2.3 15.4 23.0#

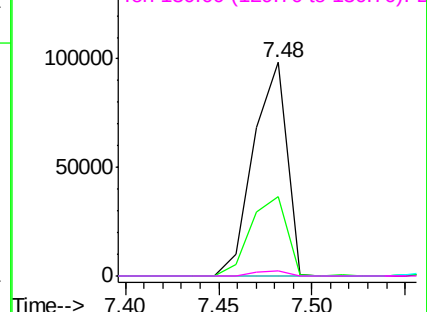
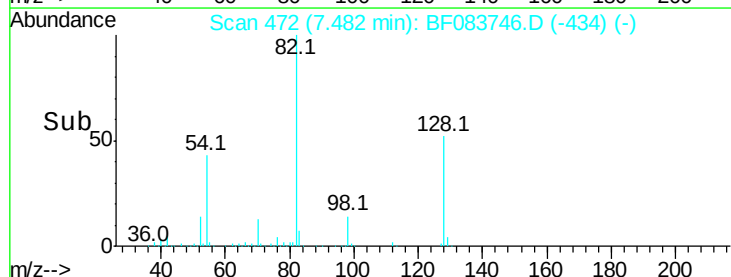


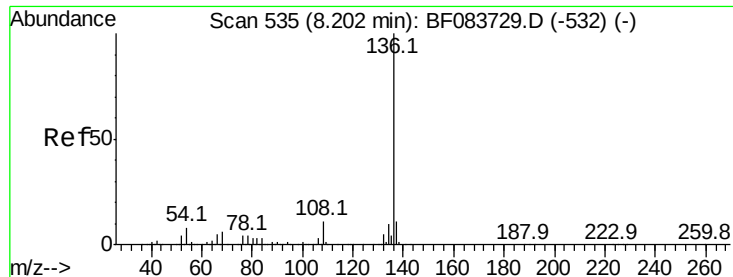
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

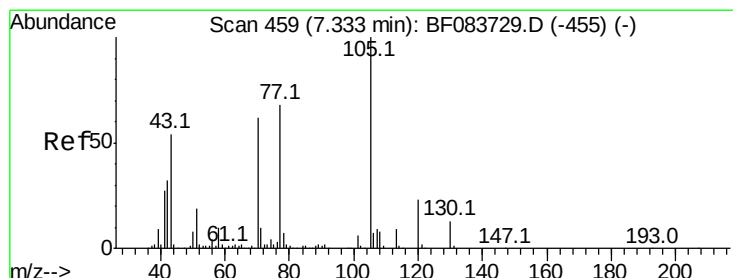
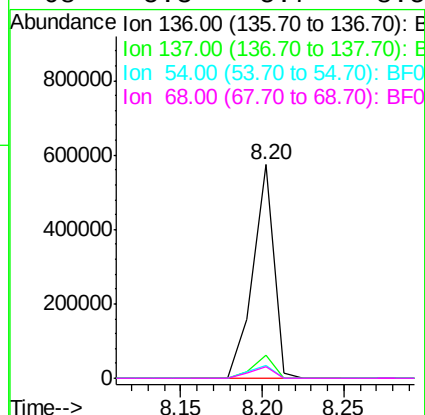
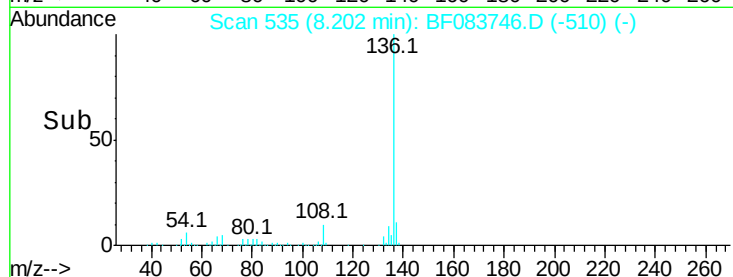
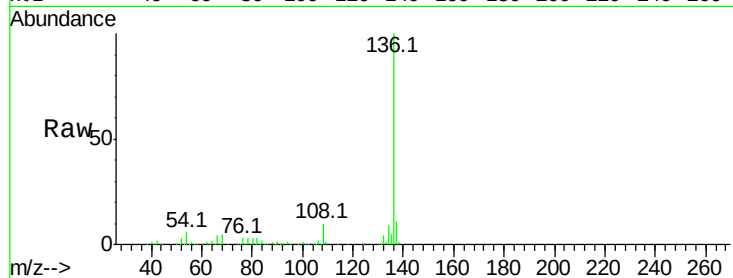




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

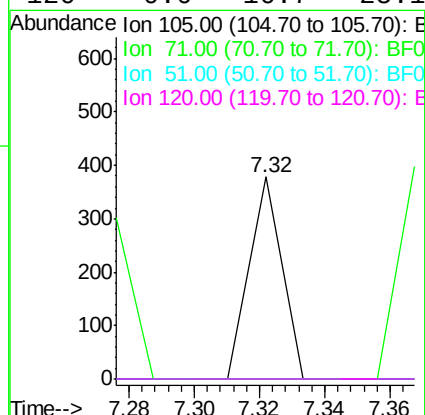
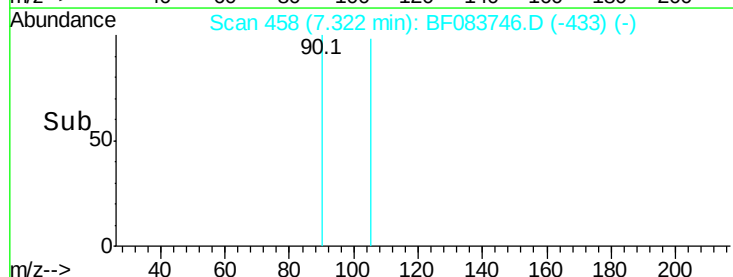
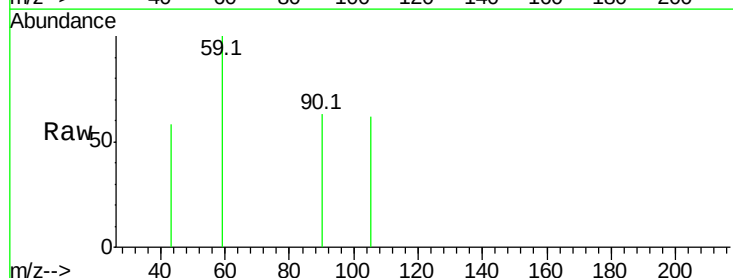
Instrument :
BNA_F
ClientSampleId :

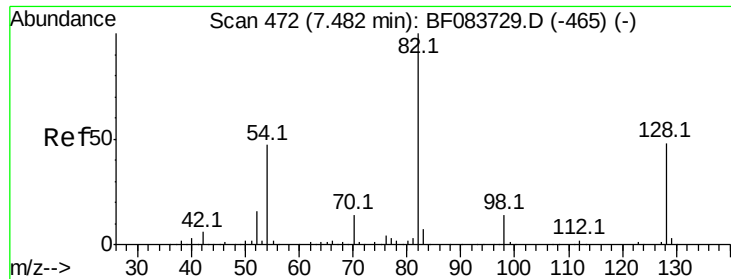
Tot Ion:136	Resp:	514091
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.7 13.1
54	6.2	7.8 11.6#
68	5.3	5.7 8.5#



#22
Acetophenone
Concen: 0.02 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Tgt Ion:105	Resp:	259
Ion Ratio	Lower	Upper
105	100	
71	0.0	1.3 1.9#
51	0.0	23.8 35.8#
120	0.0	16.7 25.1#

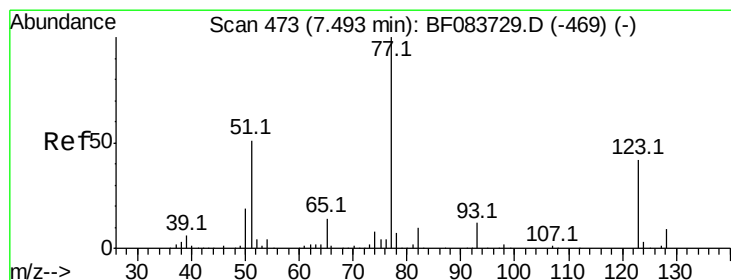
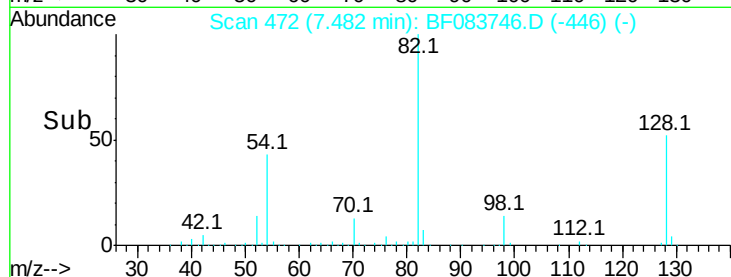
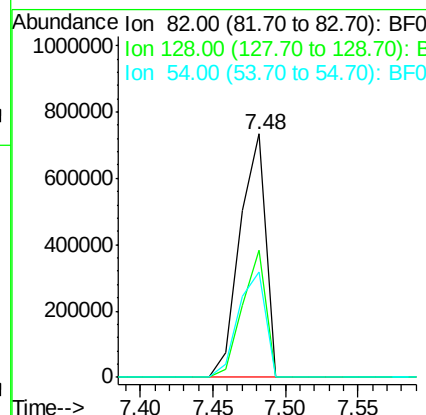
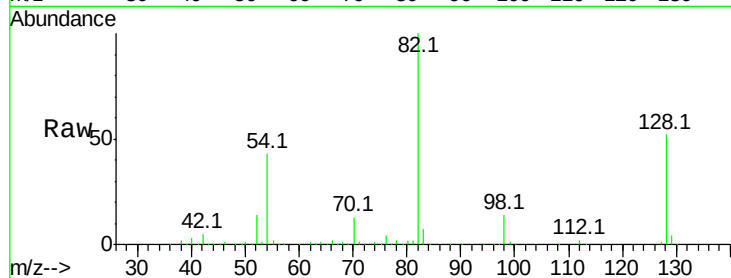




#23
 Nitrobenzene-d5
 Concen: 97.93 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

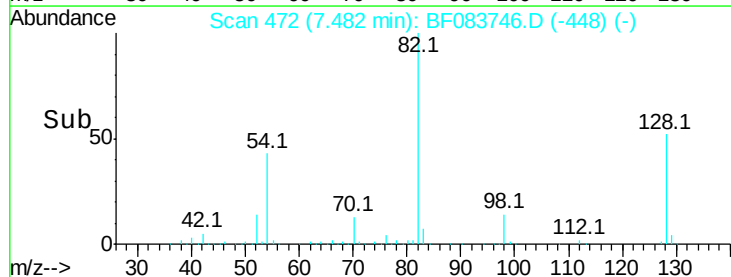
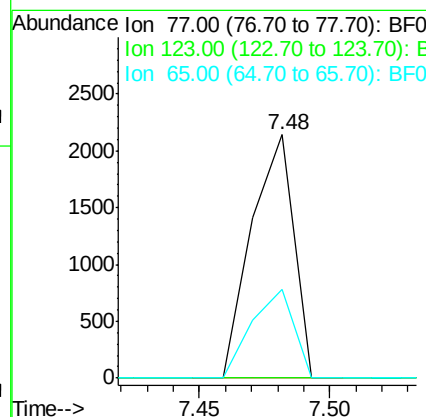
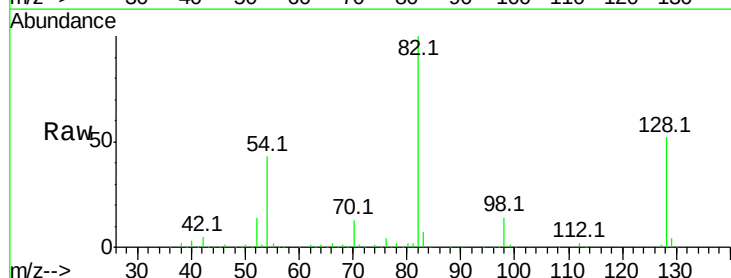
Instrument :
 BNA_F
 ClientSampled :

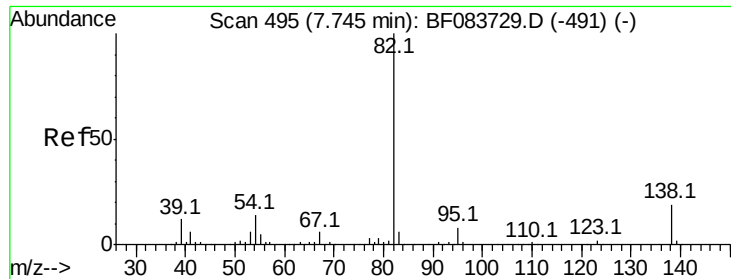
Tot Ion: 82 Resp: 899843
 Ion Ratio Lower Upper
 82 100
 128 52.3 30.7 46.1#
 54 43.3 42.5 63.7



#24
 Nitrobenzene
 Concen: 0.26 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

Tgt Ion: 77 Resp: 2440
 Ion Ratio Lower Upper
 77 100
 123 0.0 29.8 44.6#
 65 36.6 11.1 16.7#





#25

Isophorone

Concen: 47.10 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.26 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampleId :

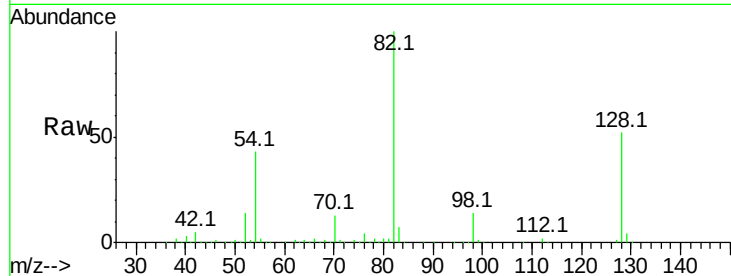
Tot Ion: 82 Resp: 849077

Ion Ratio Lower Upper

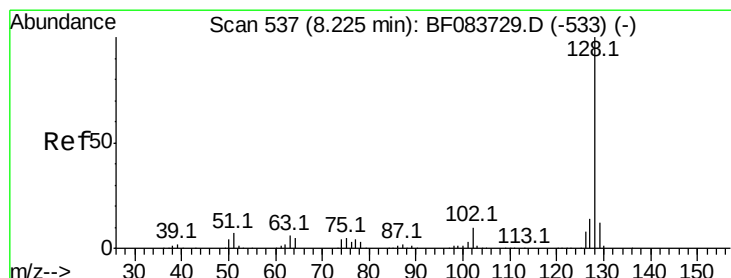
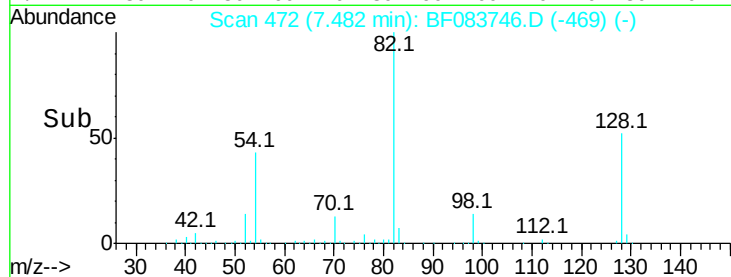
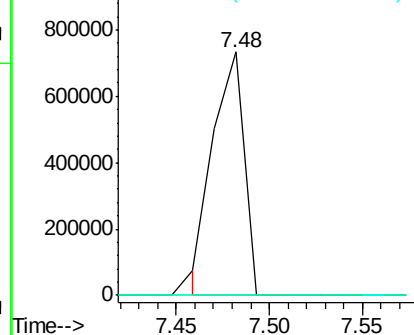
82 100

95 0.0 5.0 7.4#

138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 0.05 ng

RT: 8.32 min Scan# 545

Delta R.T. 0.08 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

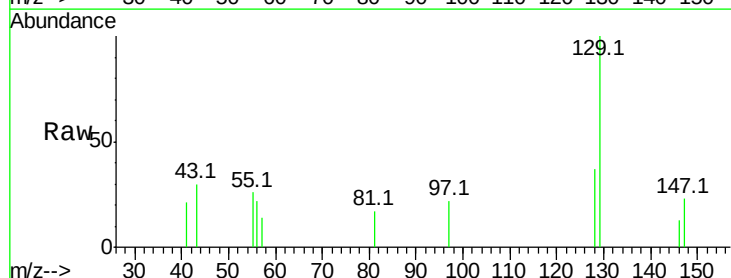
Tgt Ion: 128 Resp: 1227

Ion Ratio Lower Upper

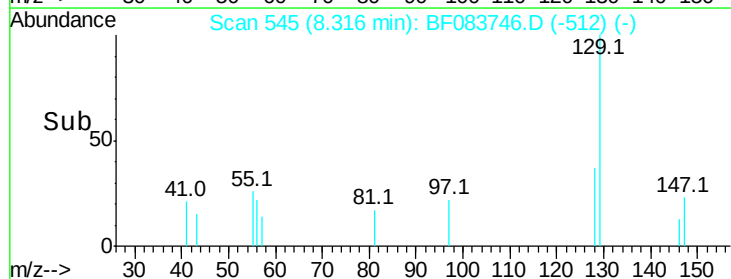
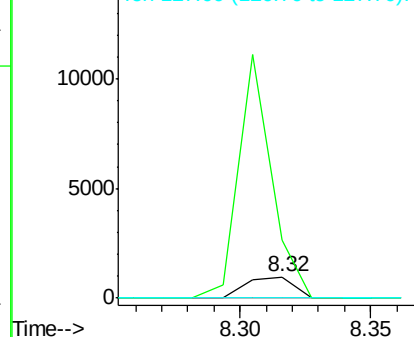
128 100

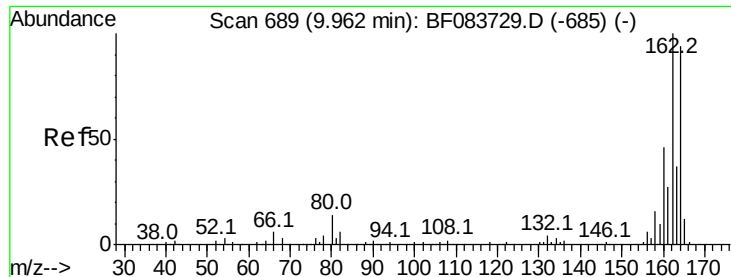
129 268.7 8.6 13.0#

127 0.0 10.6 16.0#



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

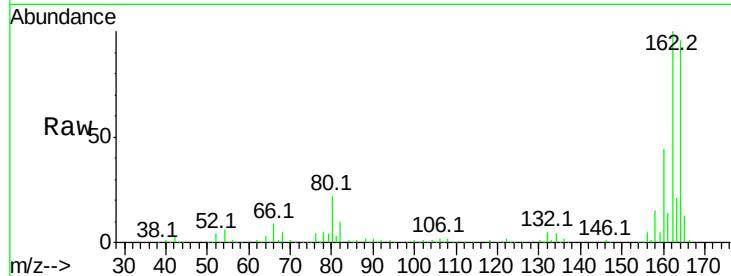




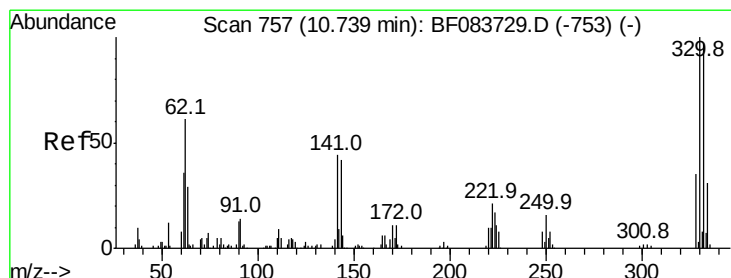
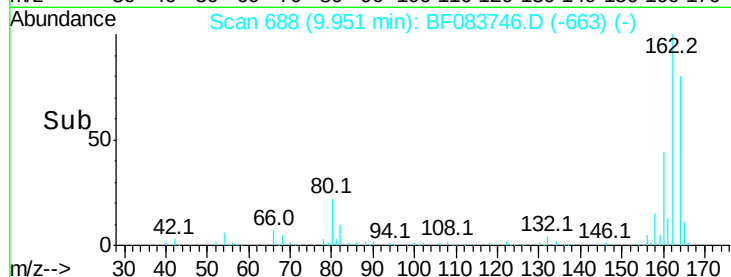
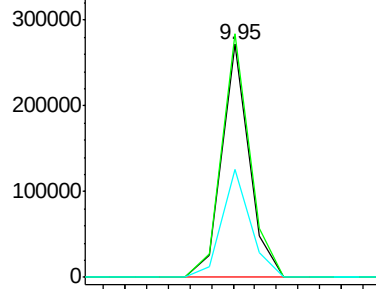
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 237836
Ion Ratio Lower Upper
164 100
162 104.4 78.8 118.2
160 46.2 33.4 50.2

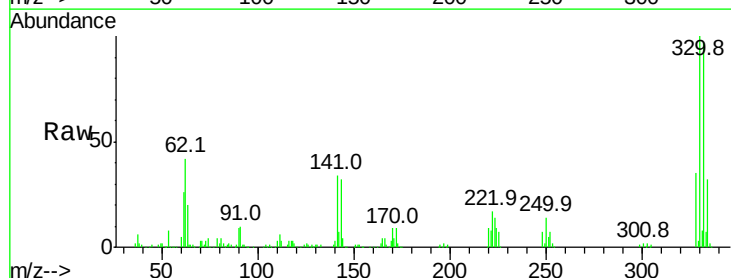


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

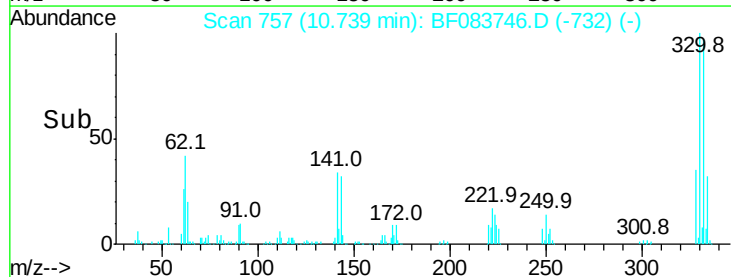
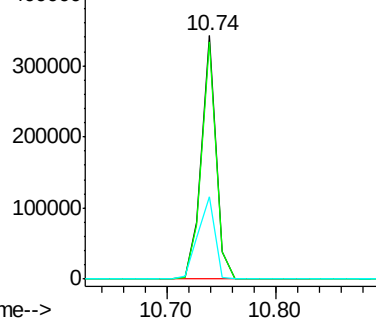


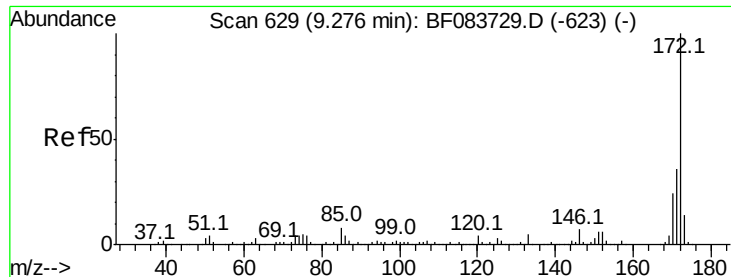
#41
2,4,6-Tribromophenol
Concen: 132.47 ng
RT: 10.74 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Tgt Ion:330 Resp: 321037
Ion Ratio Lower Upper
330 100
332 96.9 0.0 0.0#
141 38.8 0.0 0.0#



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

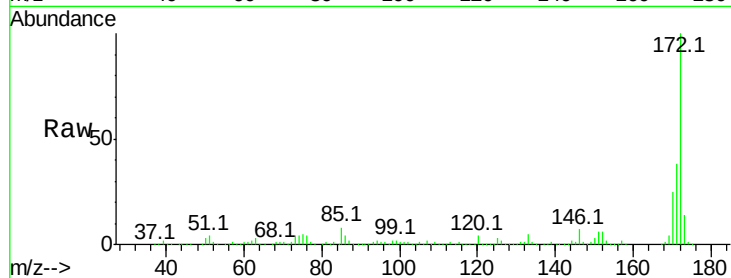




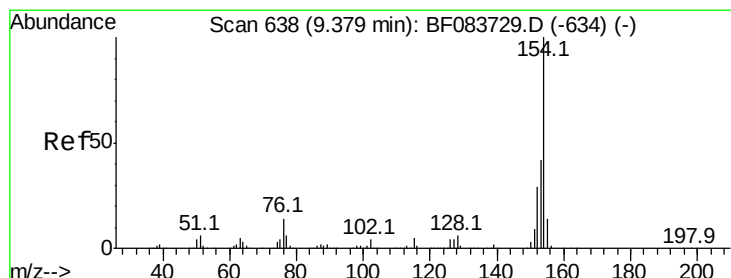
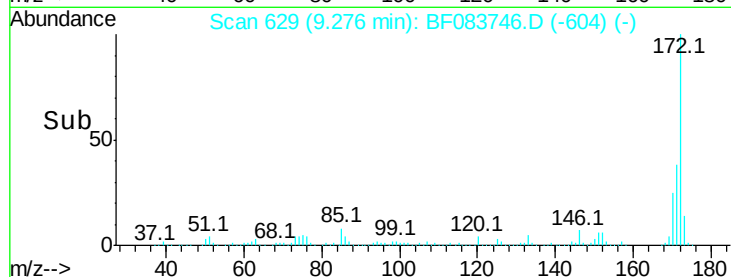
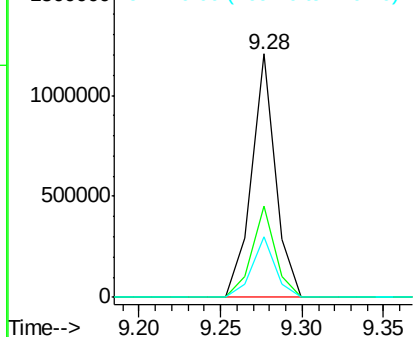
#44
2-Fluorobiphenyl
Concen: 72.80 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.01 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1233561
Ion Ratio Lower Upper
172 100
171 37.7 28.6 42.8
170 24.7 19.4 29.0

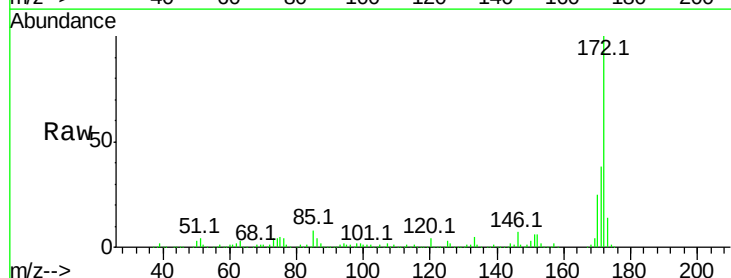


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

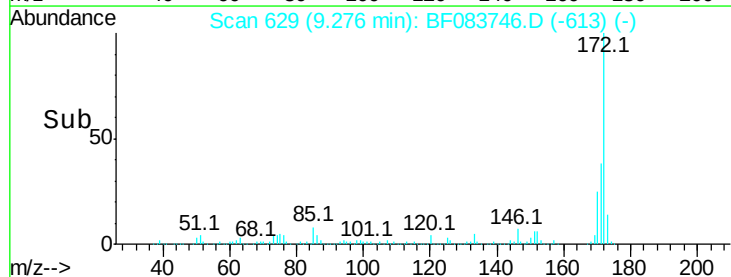
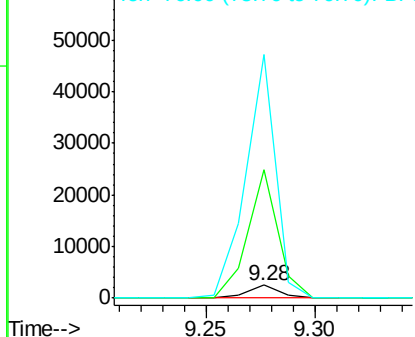


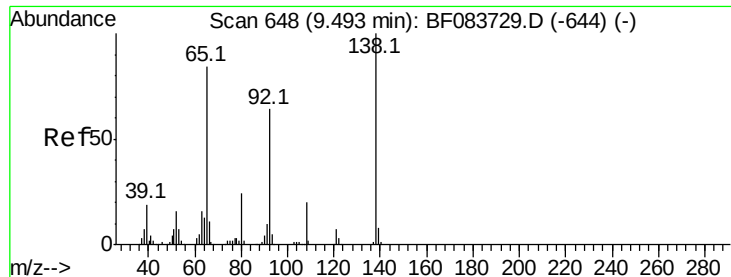
#45
1,1'-Biphenyl
Concen: 0.12 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.11 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Tgt Ion:154 Resp: 2491
Ion Ratio Lower Upper
154 100
153 1022.0 20.2 60.2#
76 1931.7 0.0 34.8#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#47

2-Nitroaniline

Concen: 0.89 ng

RT: 9.66 min Scan# 663

Delta R.T. 0.17 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampled :

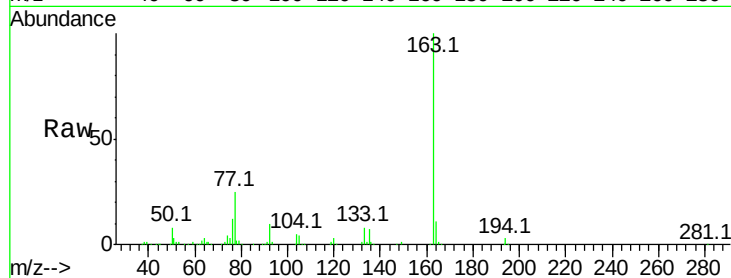
Tot Ion: 65 Resp: 3924

Ion Ratio Lower Upper

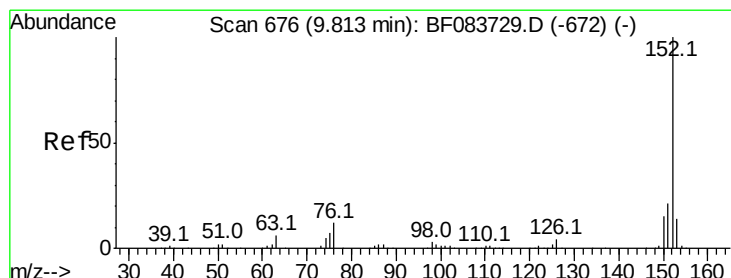
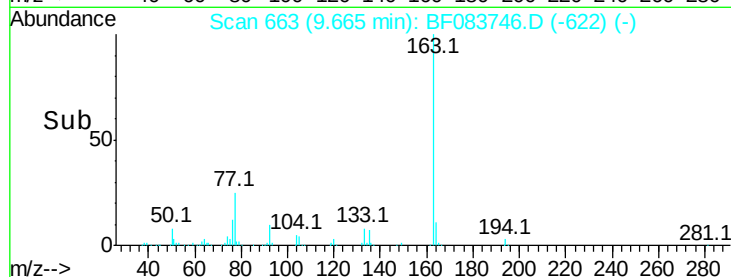
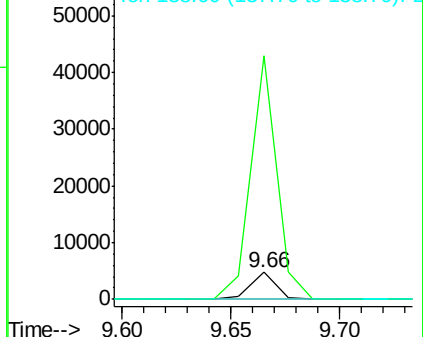
65 100

92 897.3 49.6 74.4#

138 0.0 64.1 96.1#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 0.01 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

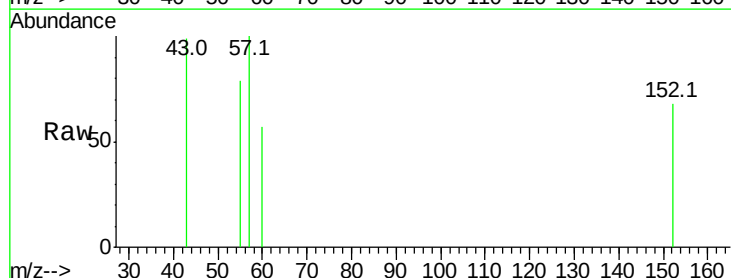
Tgt Ion: 152 Resp: 248

Ion Ratio Lower Upper

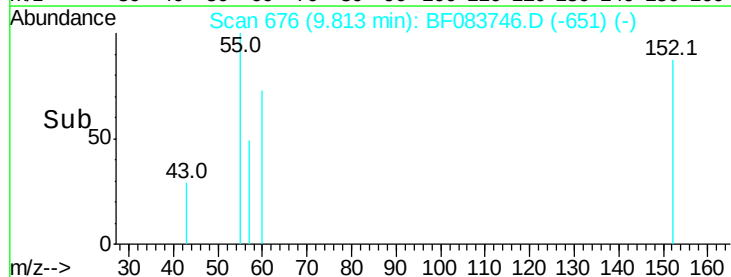
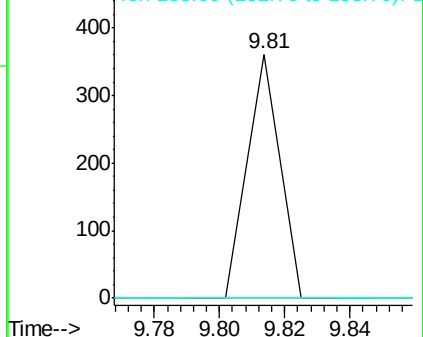
152 100

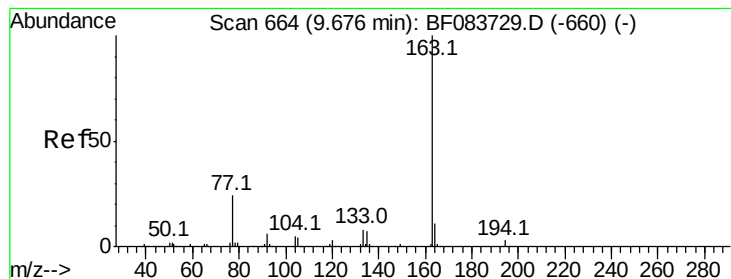
151 0.0 16.3 24.5#

153 0.0 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 20.59 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampled :

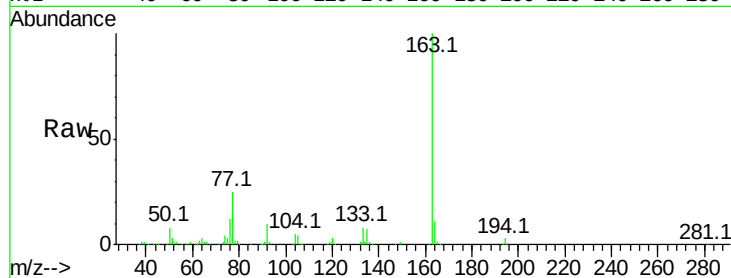
Tot Ion:163 Resp: 381845

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

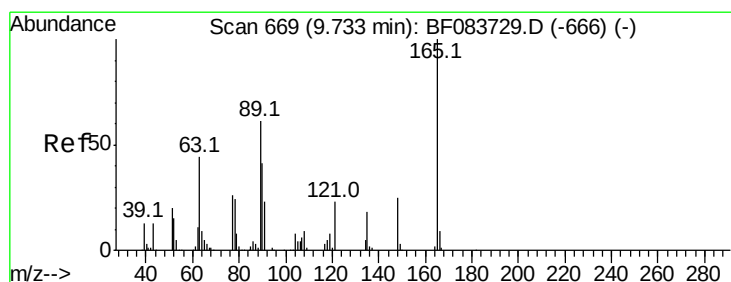
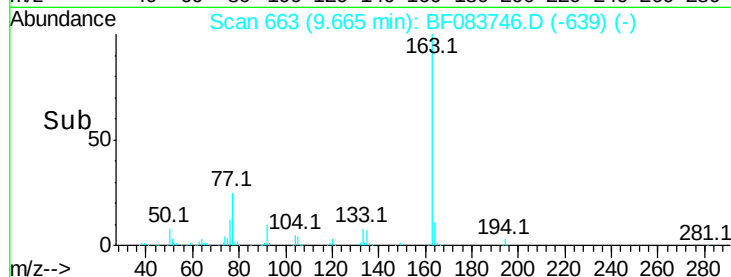
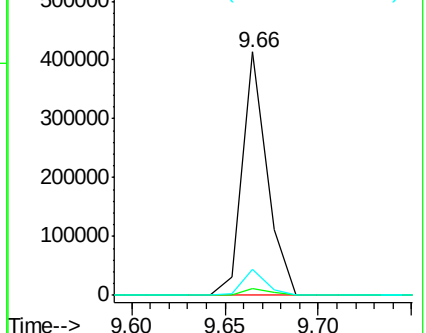
164 10.6 8.6 13.0



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: 1.14 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.08 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

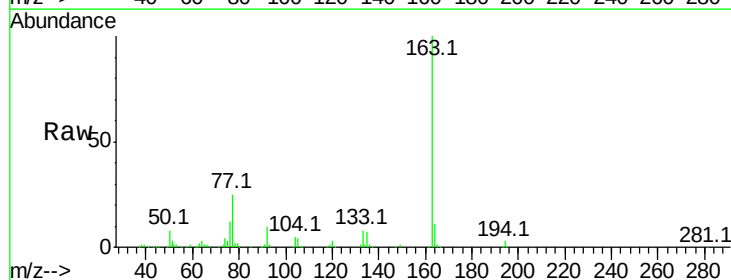
Tgt Ion:165 Resp: 4501

Ion Ratio Lower Upper

165 100

63 159.0 56.9 85.3#

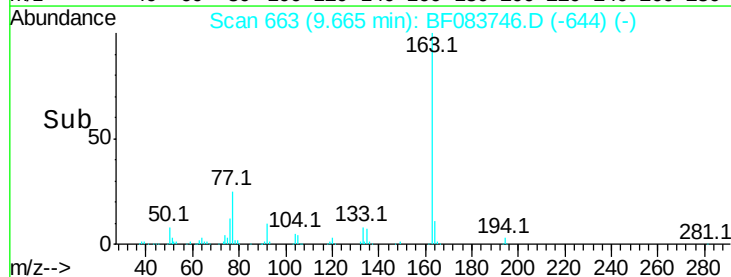
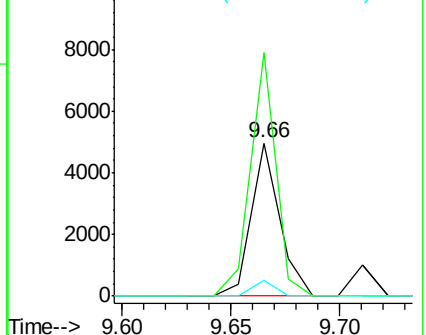
89 10.4 52.1 78.1#

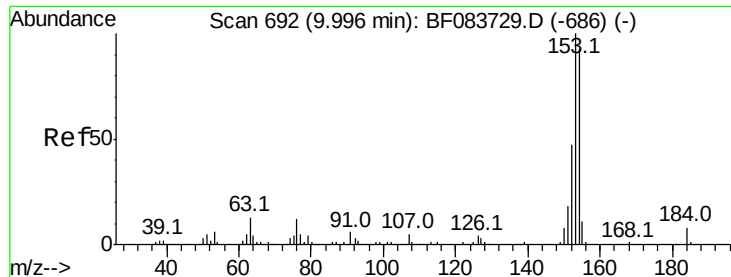


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.04 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.05 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampleId :

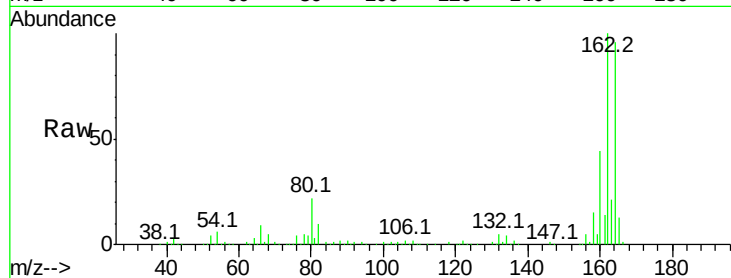
Tot Ion:154 Resp: 658

Ion Ratio Lower Upper

154 100

153 0.0 91.4 137.0#

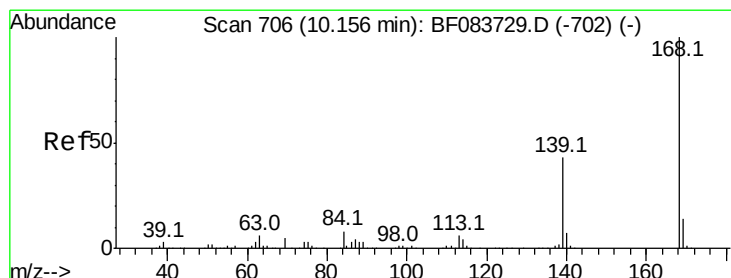
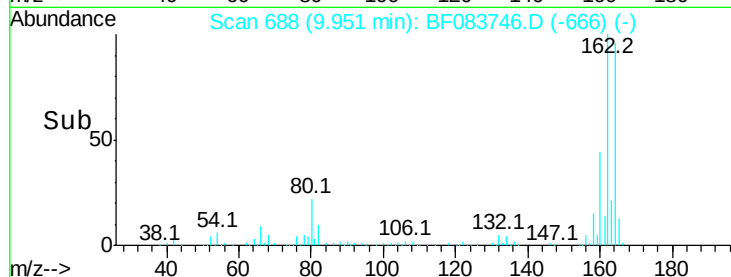
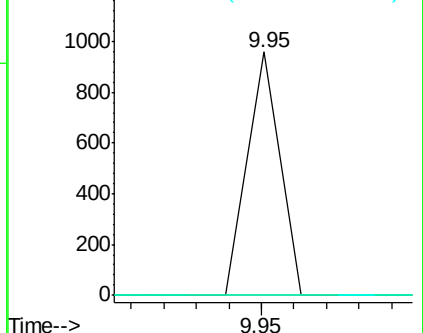
152 0.0 43.4 65.2#



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: 0.02 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

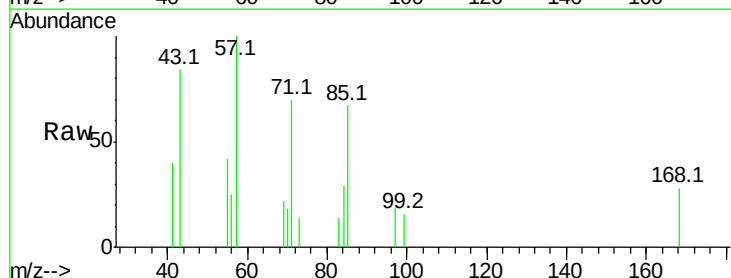
Tgt Ion:168 Resp: 414

Ion Ratio Lower Upper

168 100

139 0.0 28.0 42.0#

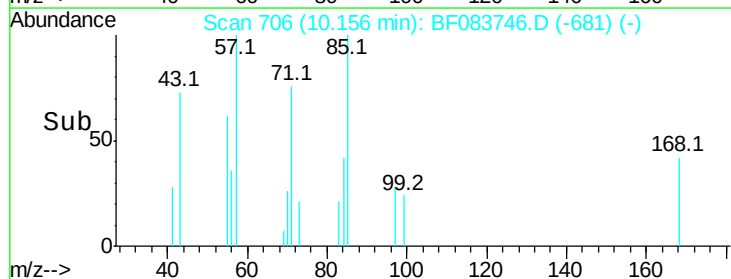
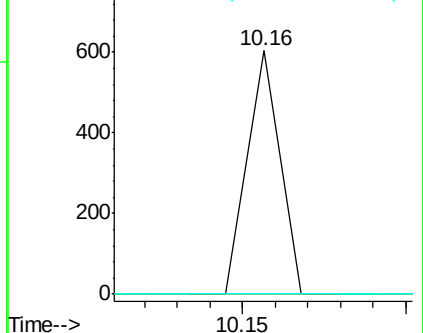
169 0.0 10.8 16.2#

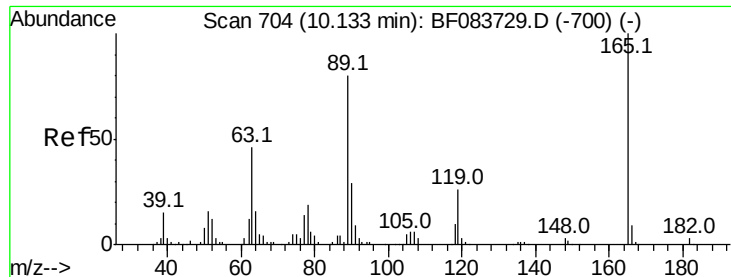


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

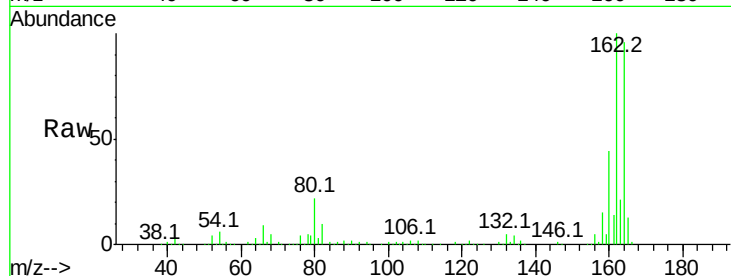




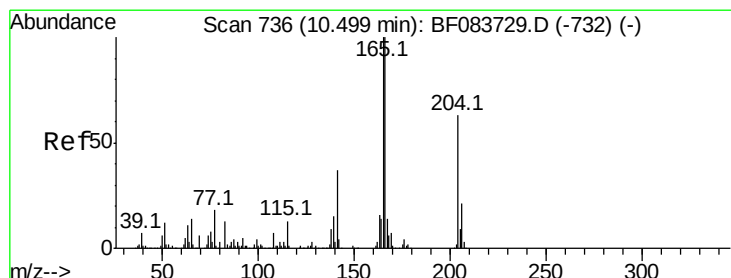
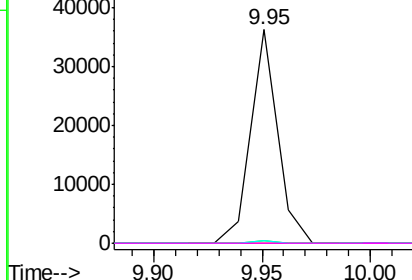
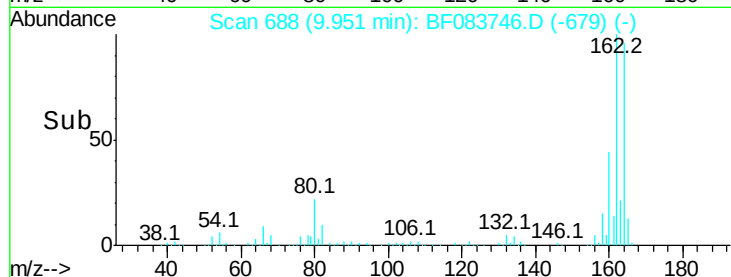
#56
2,4-Dinitrotoluene
Concen: 6.09 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.19 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 31301
Ion Ratio Lower Upper
165 100
63 1.3 51.4 77.2#
89 1.5 72.6 108.8#
182 0.0 1.4 2.0#

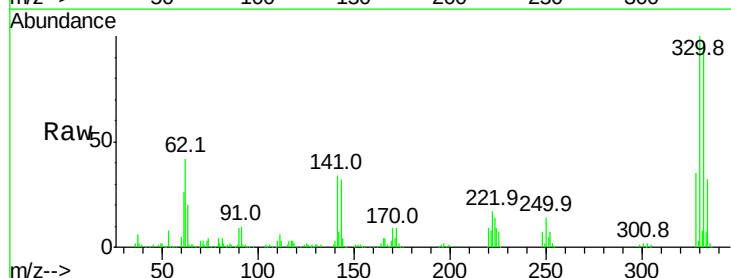


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

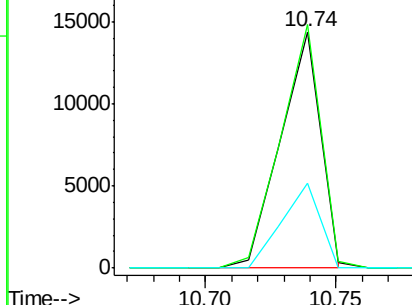
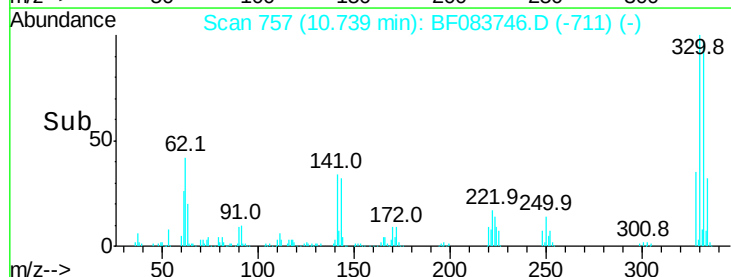


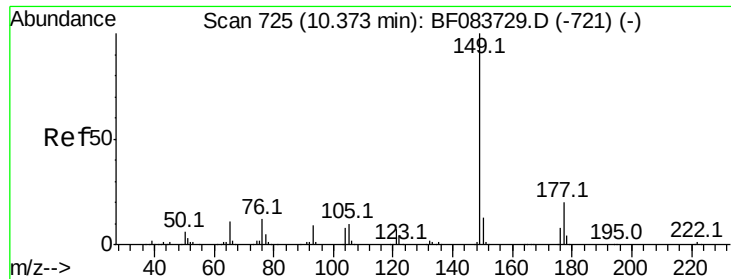
#57
Fluorene
Concen: 0.93 ng
RT: 10.74 min Scan# 757
Delta R.T. 0.23 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Tgt Ion:166 Resp: 15423
Ion Ratio Lower Upper
166 100
165 103.0 80.0 120.0
167 35.6 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

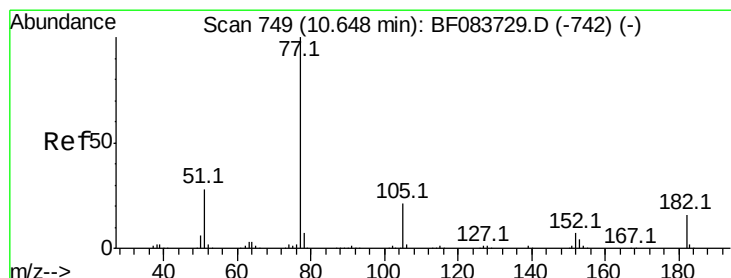
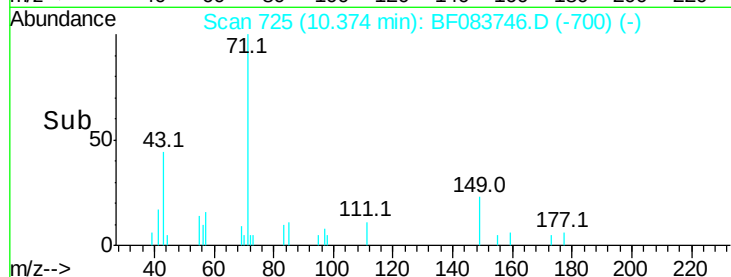
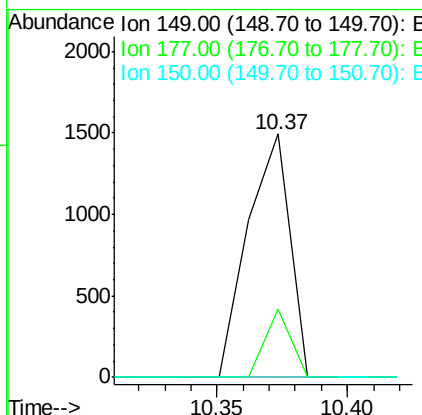
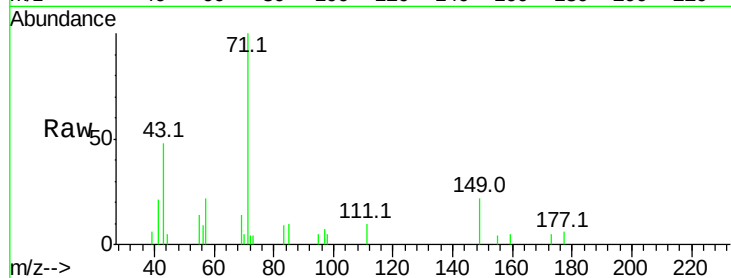




#59
Diethylphthalate
Concen: 0.09 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

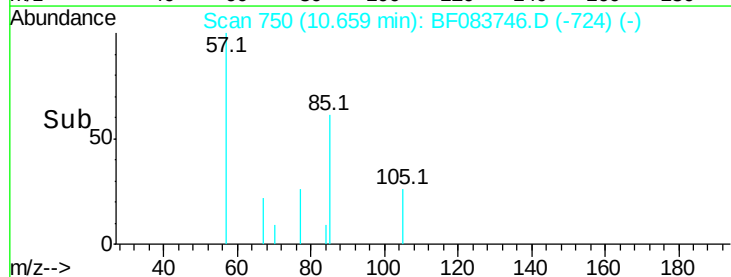
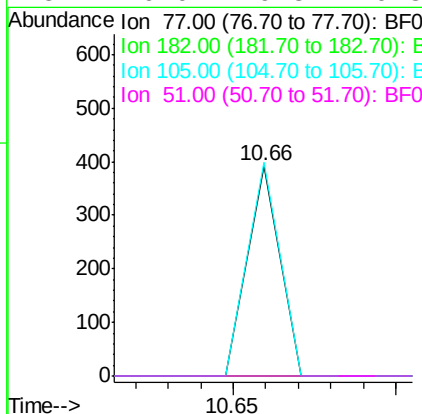
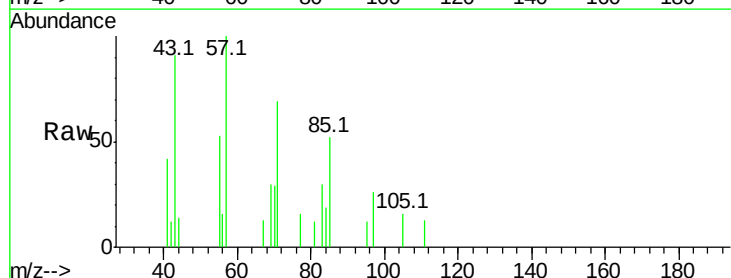
Instrument :
BNA_F
ClientSampleId :

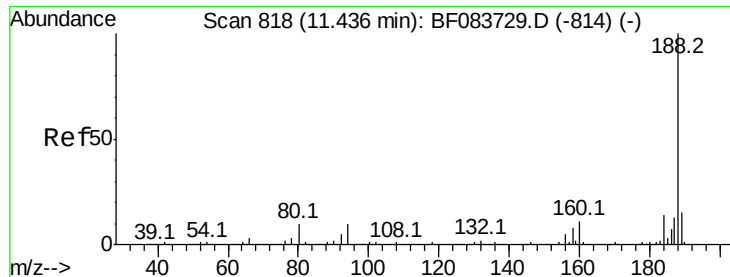
Tot Ion:149 Resp: 1690
Ion Ratio Lower Upper
149 100
177 27.9 16.9 25.3#
150 0.0 10.2 15.4#



#62
Azobenzene
Concen: 0.02 ng
RT: 10.66 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Tgt Ion: 77 Resp: 269
Ion Ratio Lower Upper
77 100
182 0.0 2.5 42.5#
105 101.5 2.1 42.1#
51 0.0 9.3 49.3#

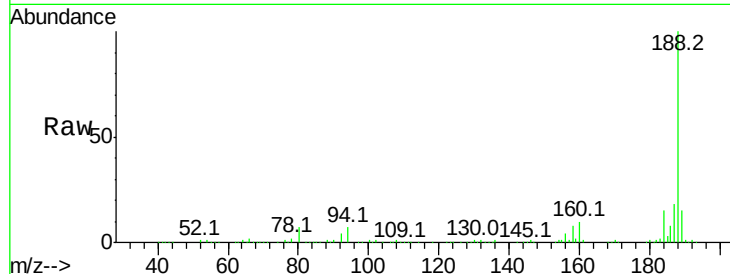




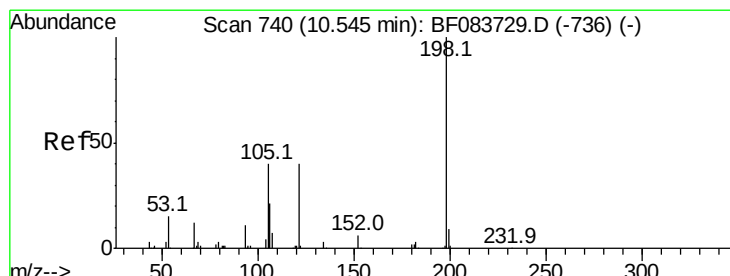
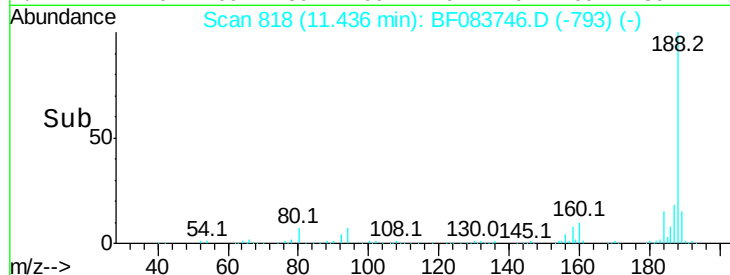
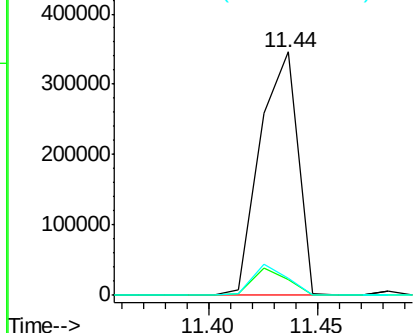
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 422154
Ion Ratio Lower Upper
188 100
94 6.6 9.4 14.2#
80 7.0 10.6 16.0#

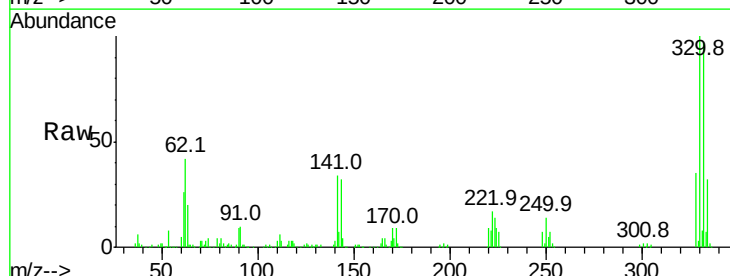


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

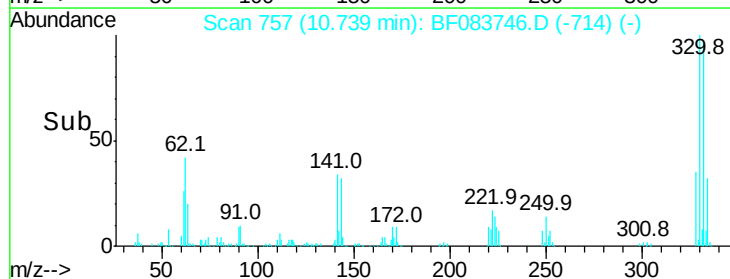
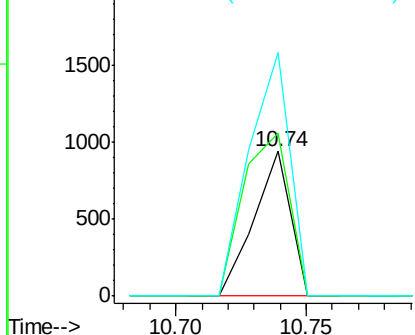


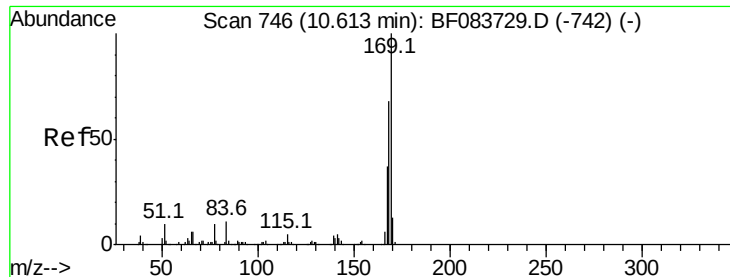
#64
4,6-Dinitro-2-methylphenol
Concen: 0.38 ng
RT: 10.74 min Scan# 757
Delta R.T. 0.20 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Tgt Ion:198 Resp: 921
Ion Ratio Lower Upper
198 100
51 113.1 53.8 93.8#
105 168.4 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: 0.78 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.13 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampleId :

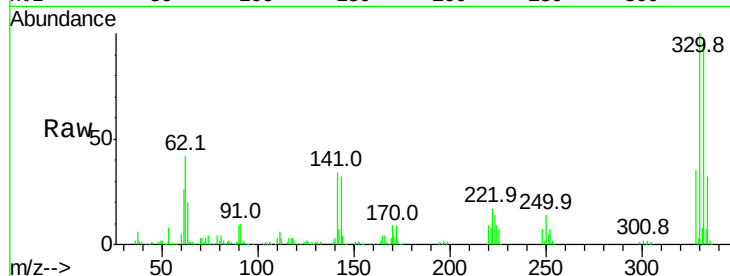
Tot Ion:169 Resp: 11309

Ion Ratio Lower Upper

169 100

168 6.6 53.0 79.6#

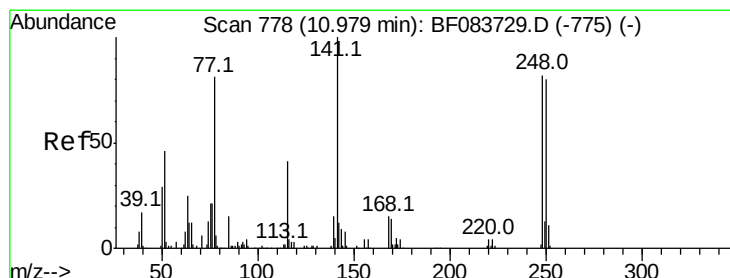
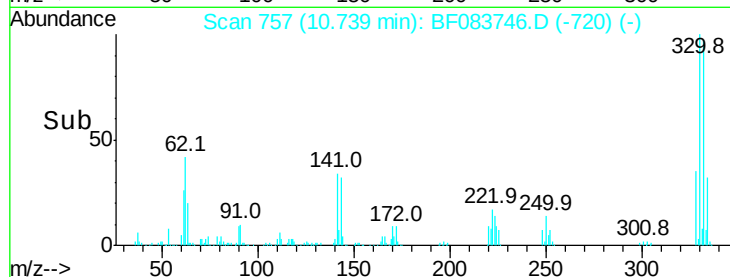
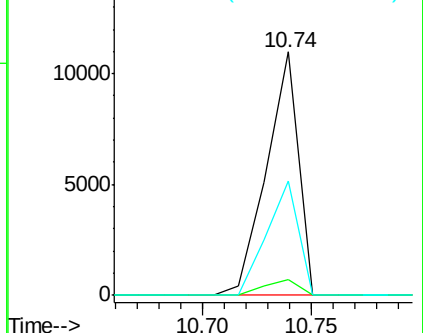
167 46.7 29.3 43.9#



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: 4.92 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.25 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

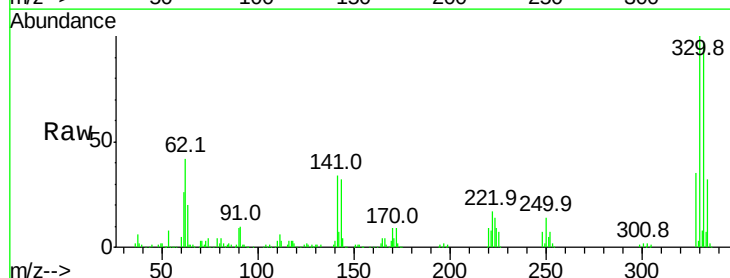
Tgt Ion:248 Resp: 23231

Ion Ratio Lower Upper

248 100

250 195.9 79.2 118.8#

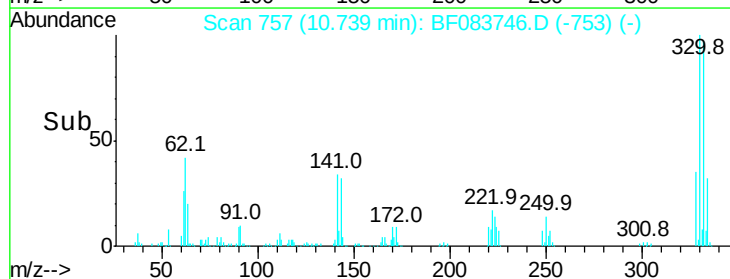
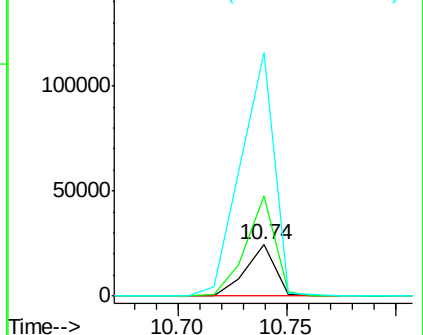
141 476.3 58.2 87.4#

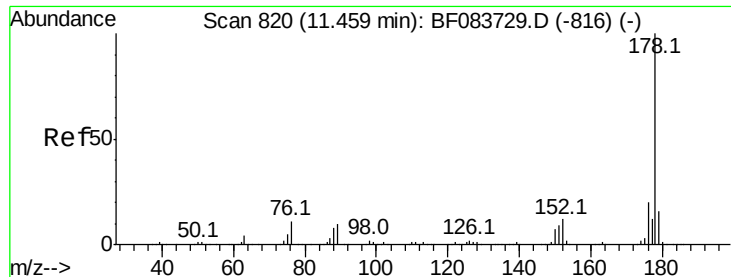


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

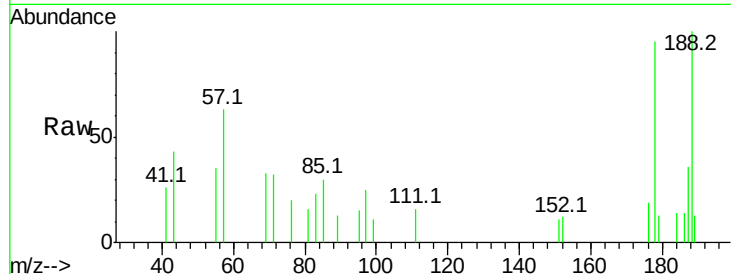




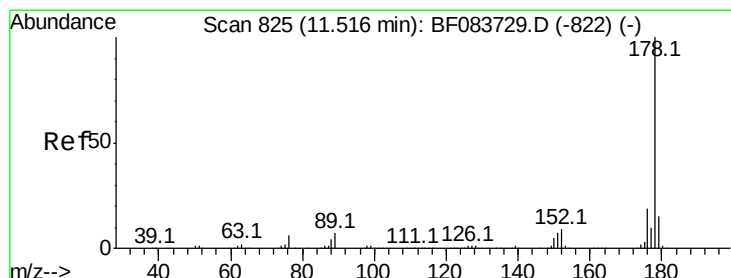
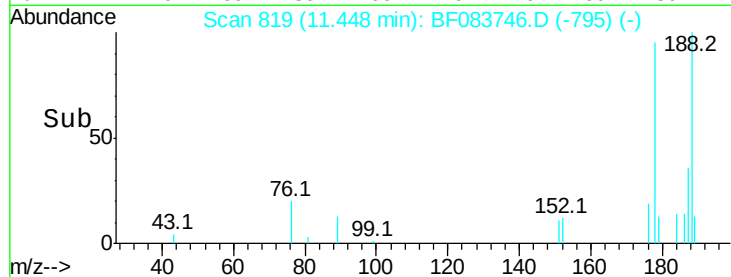
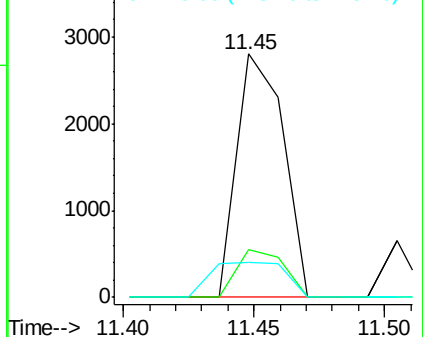
#70
Phenanthrene
Concen: 0.16 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 3507
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 14.2 12.2 18.4

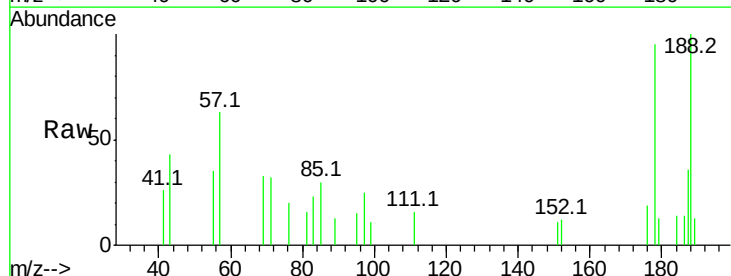


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

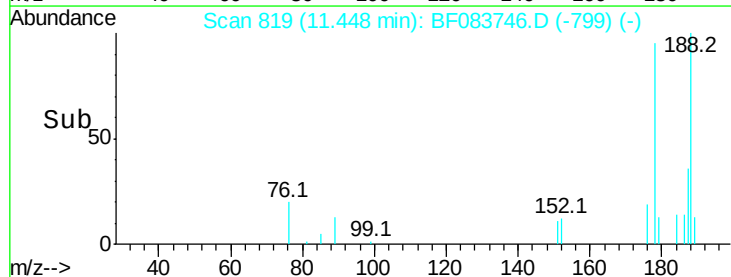
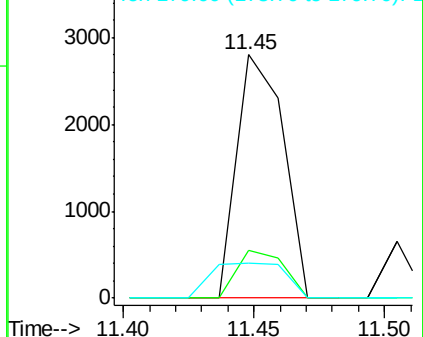


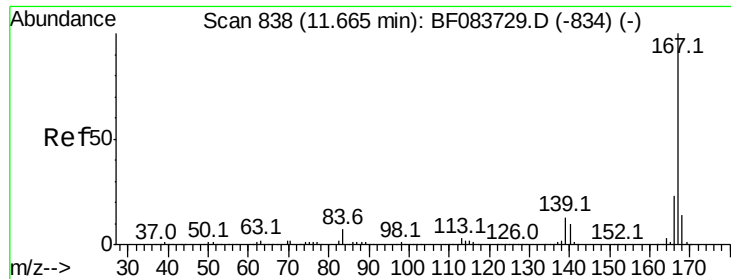
#71
Anthracene
Concen: 0.15 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.07 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Tgt Ion:178 Resp: 3507
Ion Ratio Lower Upper
178 100
176 19.7 15.2 22.8
179 14.2 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





#72

Carbazole

Concen: 0.01 ng

RT: 11.65 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampled :

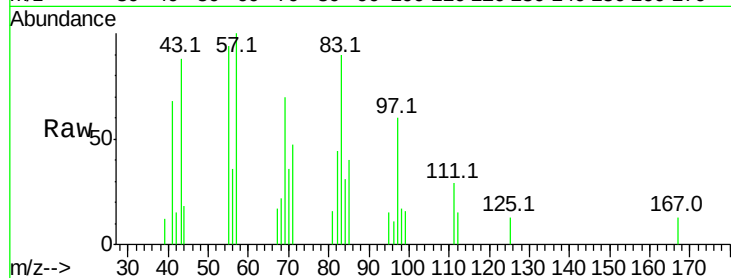
Tot Ion:167 Resp: 245

Ion Ratio Lower Upper

167 100

166 0.0 17.2 25.8#

139 0.0 9.3 13.9#



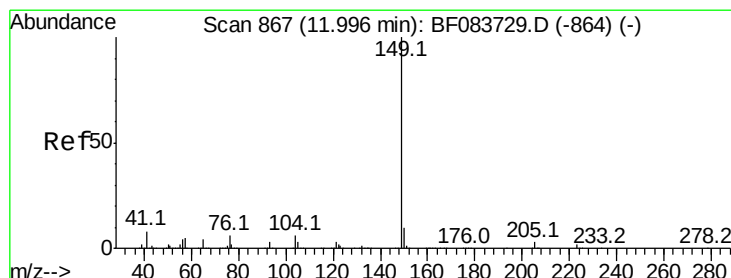
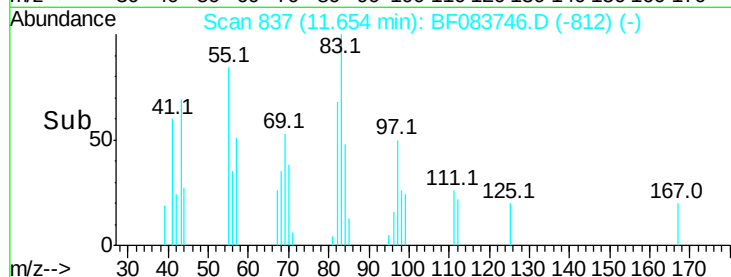
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

11.65

Time-->



#73

Di-n-butylphthalate

Concen: 0.27 ng

RT: 12.00 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

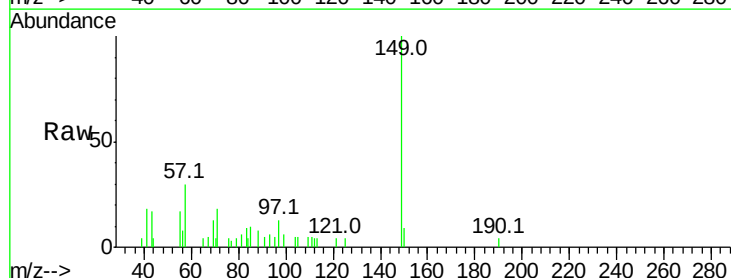
Tgt Ion:149 Resp: 7133

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.6

104 4.9 3.9 5.9



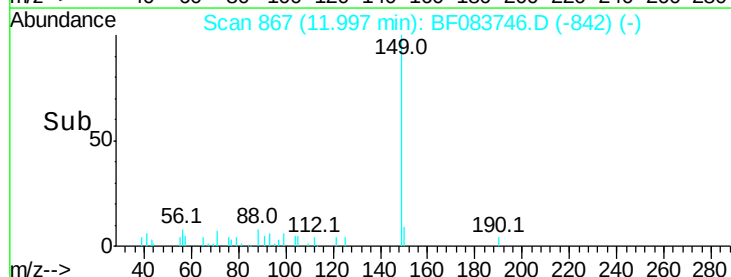
Abundance Ion 149.00 (148.70 to 149.70): E

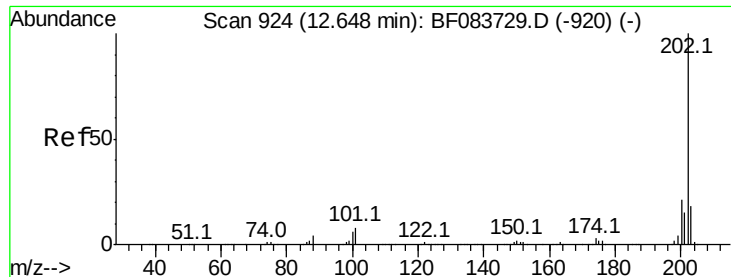
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

12.00

Time-->

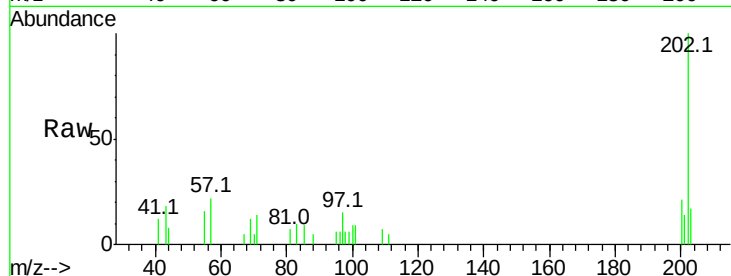




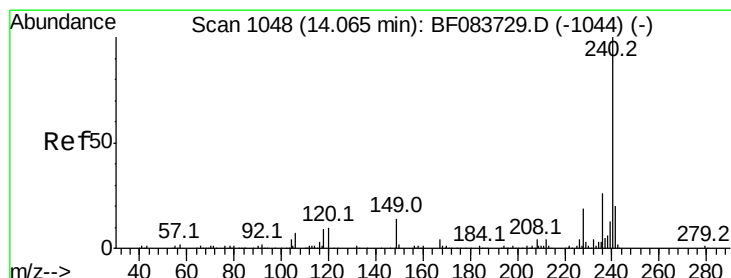
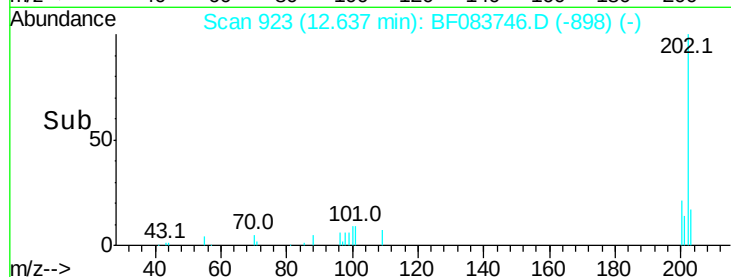
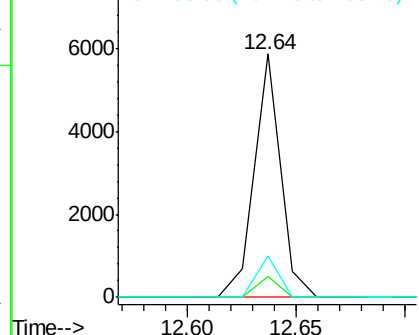
#74
Fluoranthene
 Concen: 0.21 ng
 RT: 12.64 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	31.5
203	17.0	0.0	37.6

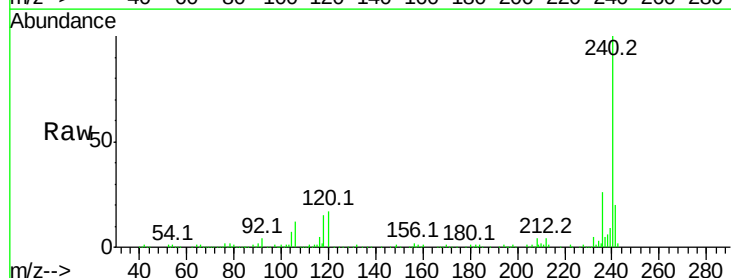


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

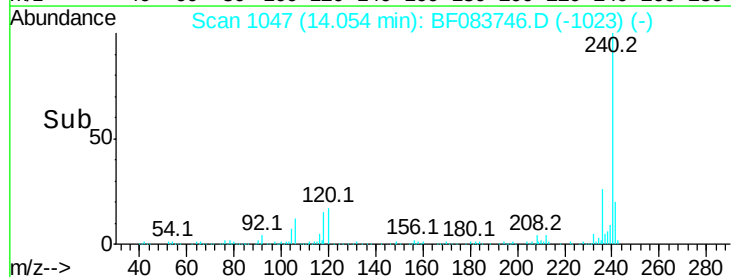
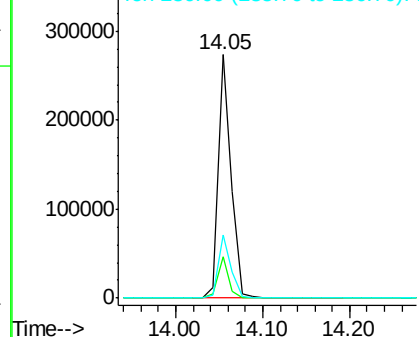


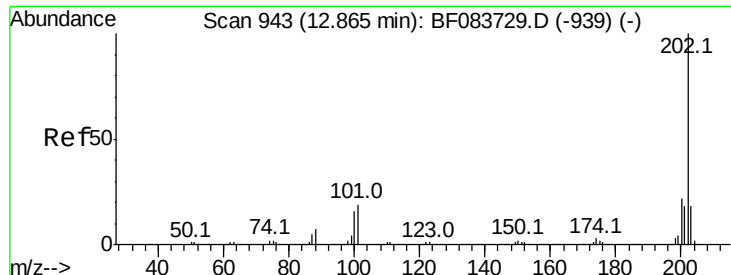
#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.02 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.9	8.1	12.1#
236	26.0	20.8	31.2



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

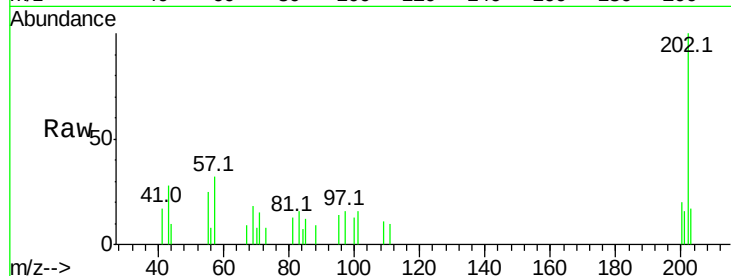




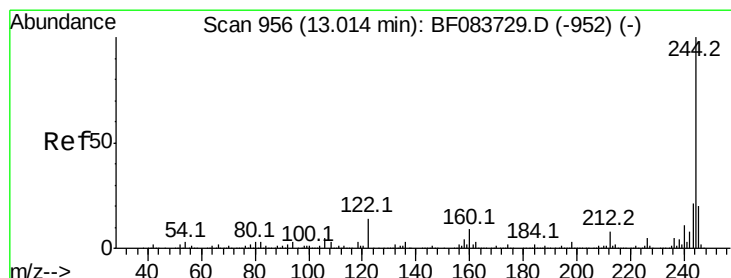
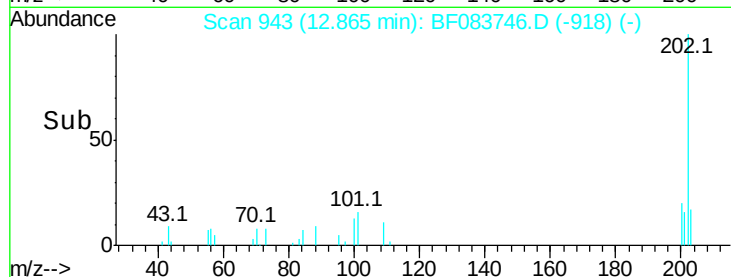
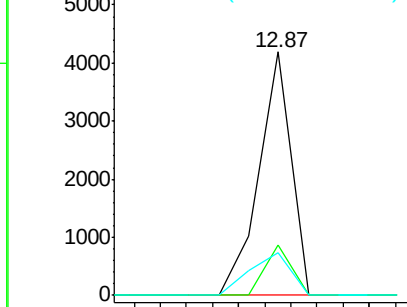
#77
 Pvrene
 Concen: 0.16 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 3571
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.7 25.1
 203 17.4 14.3 21.5

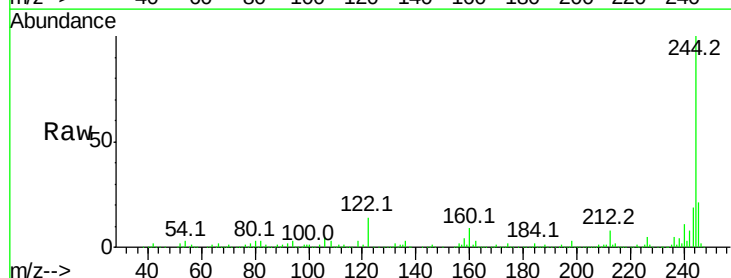


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

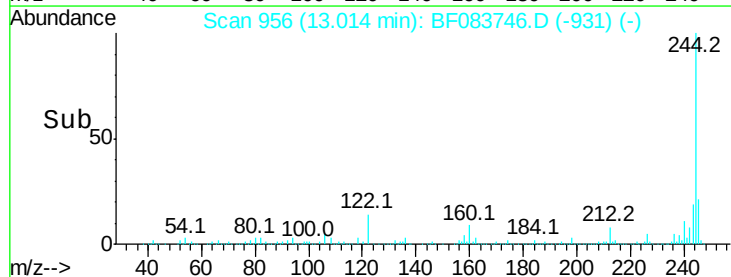
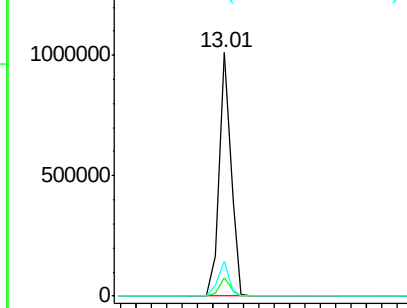


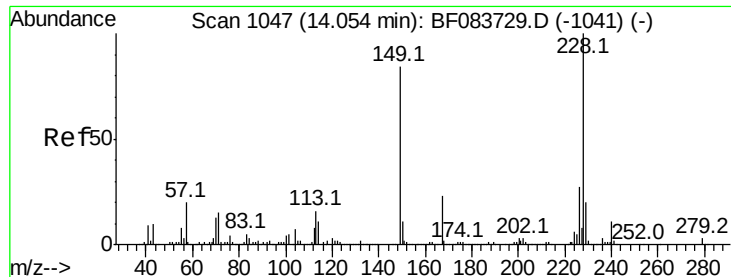
#78
 Terphenyl-d14
 Concen: 81.64 ng
 RT: 13.01 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

Tgt Ion:244 Resp: 1088216
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 14.4 11.0 16.6



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

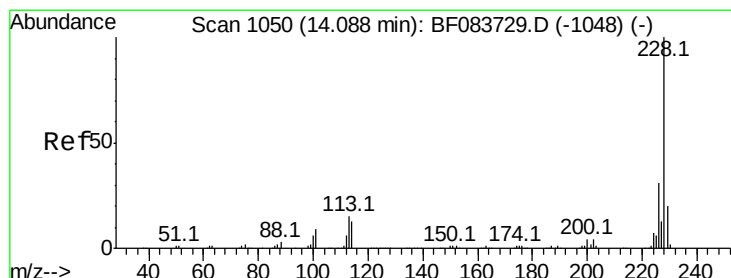
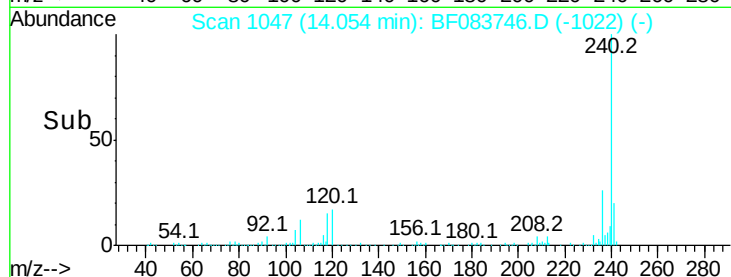
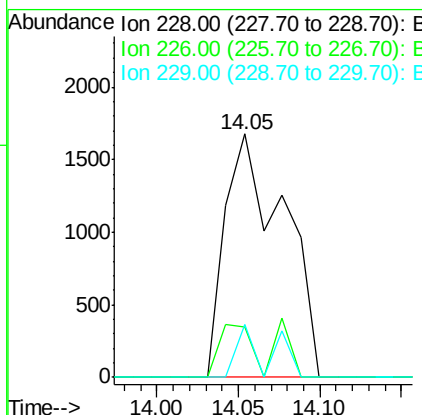
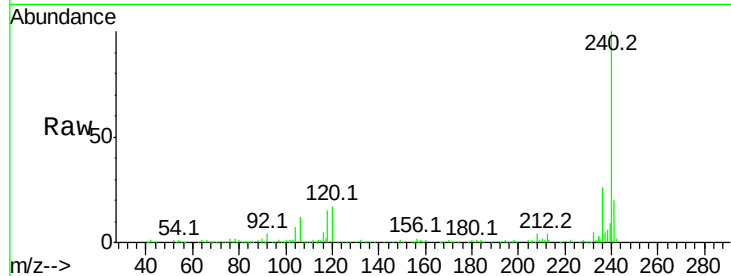




#80
 Benzo(a)anthracene
 Concen: 0.26 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

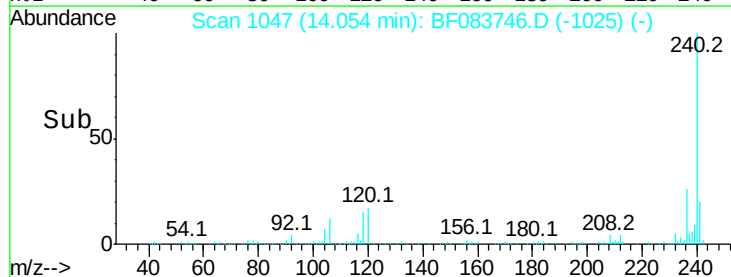
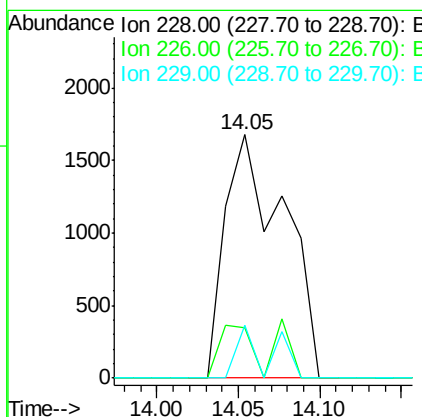
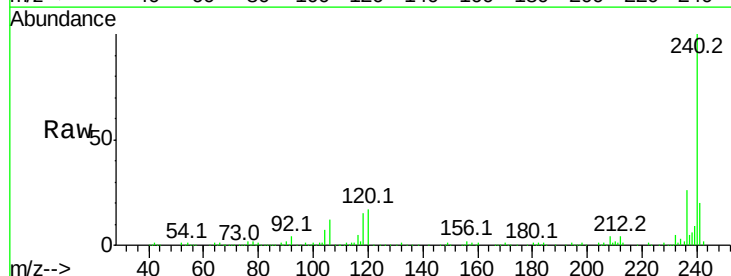
Instrument :
 BNA_F
 ClientSampleId :

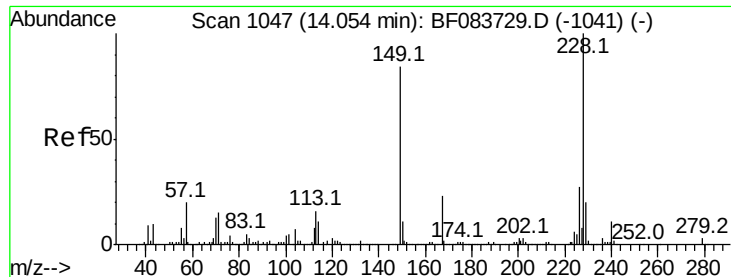
Tot Ion:228 Resp: 4171
 Ion Ratio Lower Upper
 228 100
 226 20.8 22.3 33.5#
 229 21.6 15.7 23.5



#82
 Chrysene
 Concen: 0.26 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.05 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

Tgt Ion:228 Resp: 4171
 Ion Ratio Lower Upper
 228 100
 226 20.8 24.7 37.1#
 229 21.6 16.3 24.5

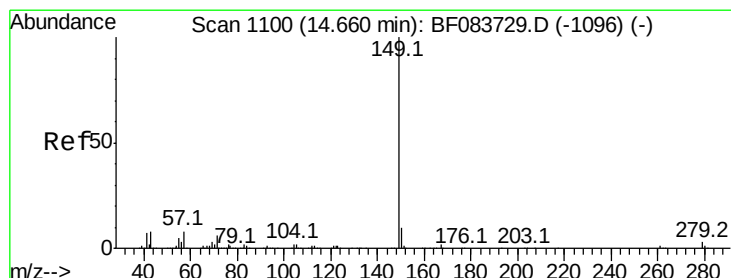
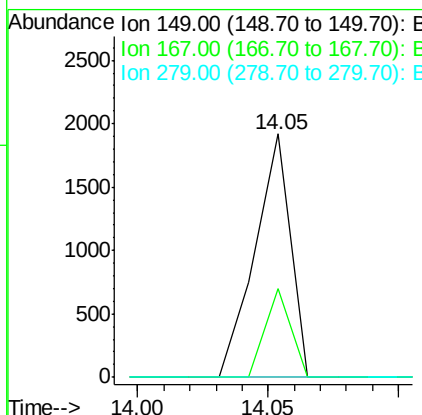
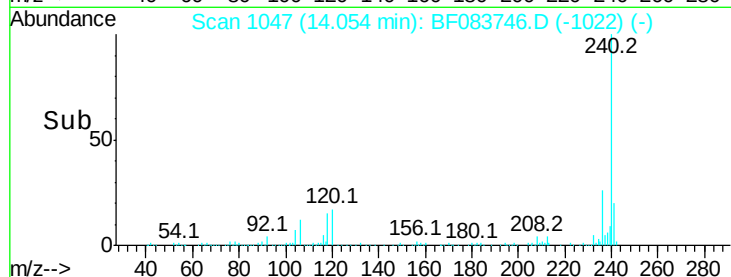
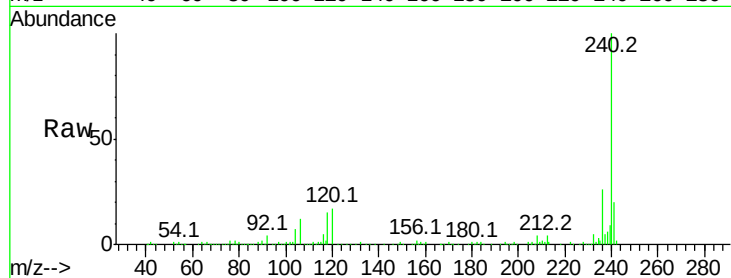




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.17 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

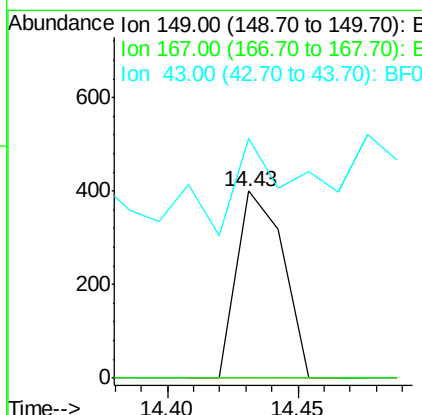
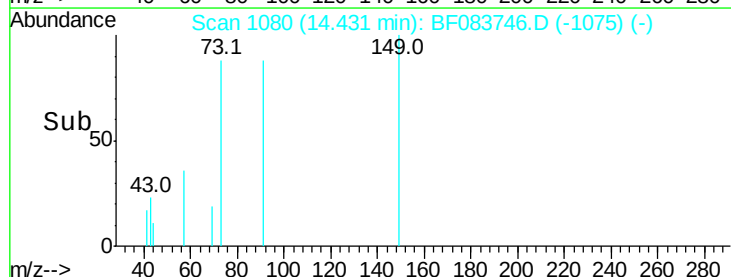
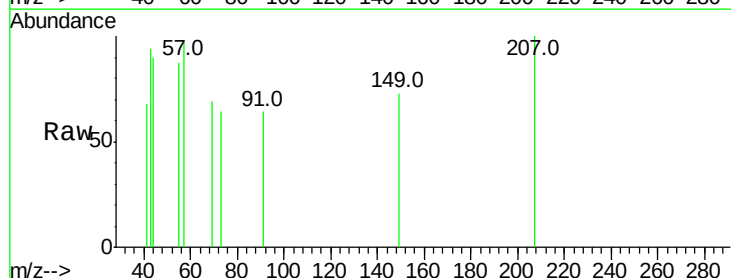
Instrument :
 BNA_F
 ClientSampled :

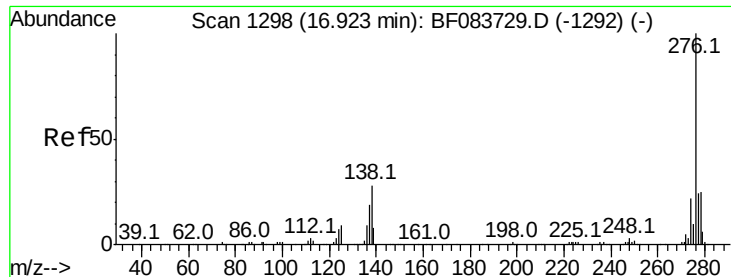
Tot Ion:149 Resp: 1828
 Ion Ratio Lower Upper
 149 100
 167 36.6 21.8 32.8#
 279 0.0 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 0.03 ng
 RT: 14.43 min Scan# 1080
 Delta R.T. -0.24 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

Tgt Ion:149 Resp: 492
 Ion Ratio Lower Upper
 149 100
 167 0.0 0.0 0.0
 43 64.2 0.0 0.0#

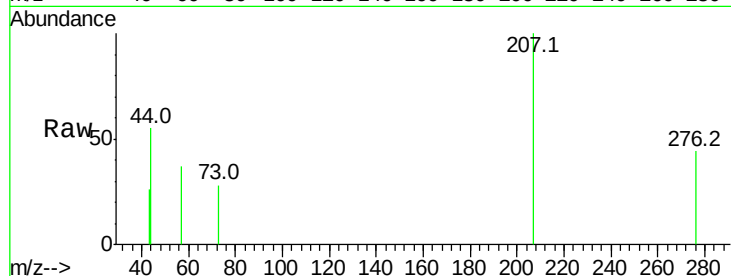




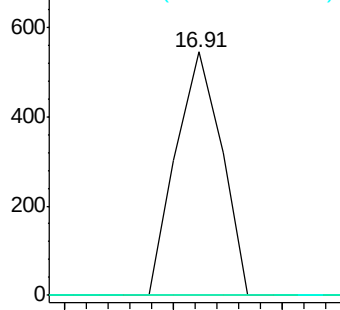
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng
 RT: 16.91 min Scan# 1297
 Delta R.T. -0.03 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

Instrument :
 BNA_F
 ClientSampleId :

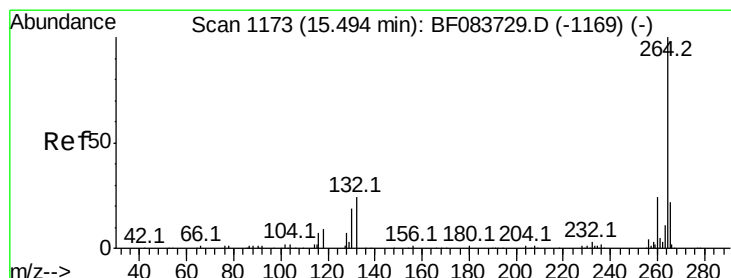
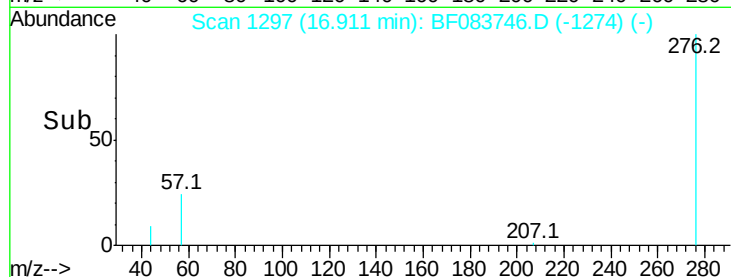
Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	0.0
277	0.0	0.0	0.0



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

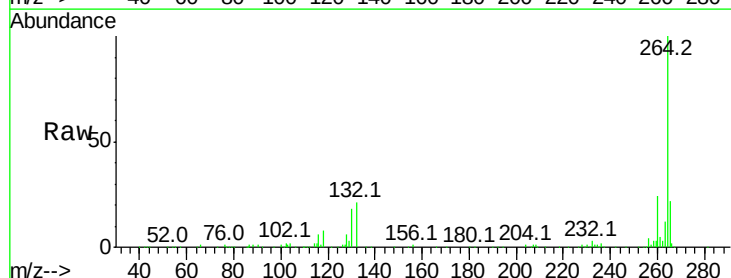


Time--> 16.85 16.90 16.95

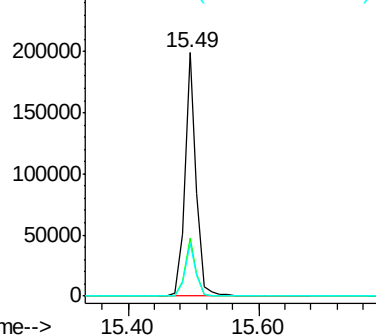


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF083746.D
 Acq: 13 Dec 2015 23:08

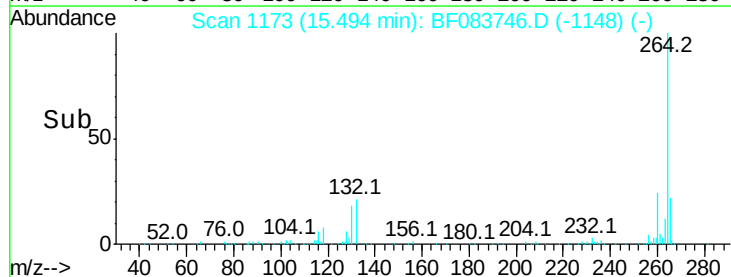
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	21.5	17.8	26.6

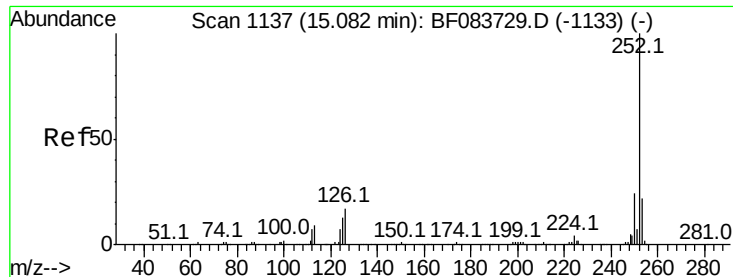


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time--> 15.40 15.60

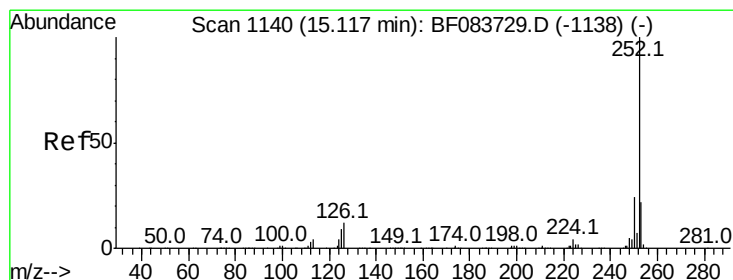
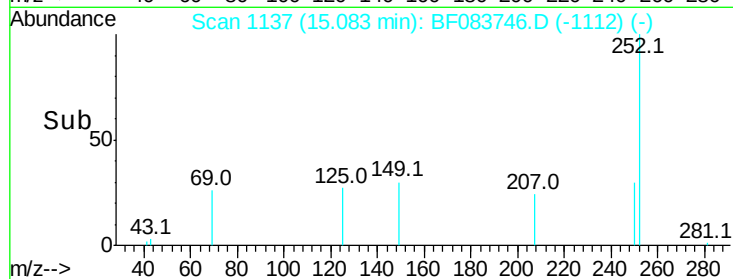
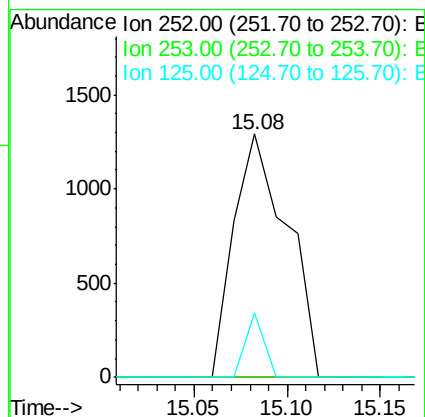
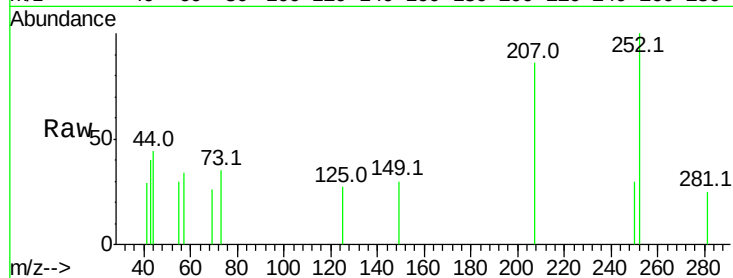




#87
Benzo(b)fluoranthene
Concen: 0.17 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

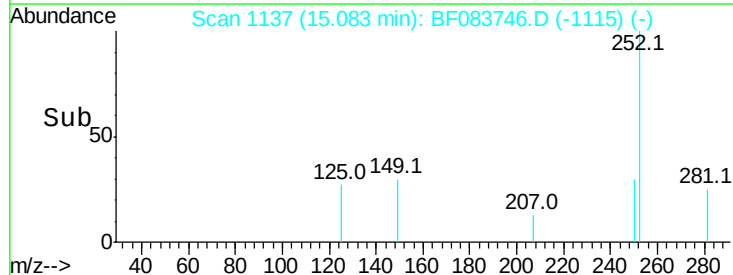
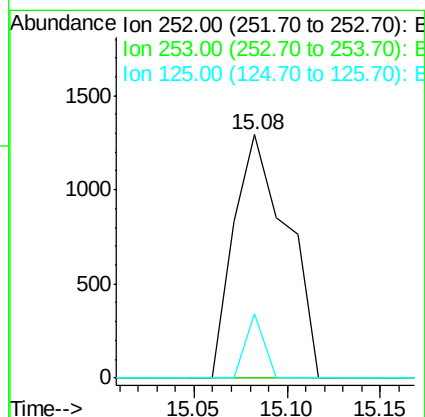
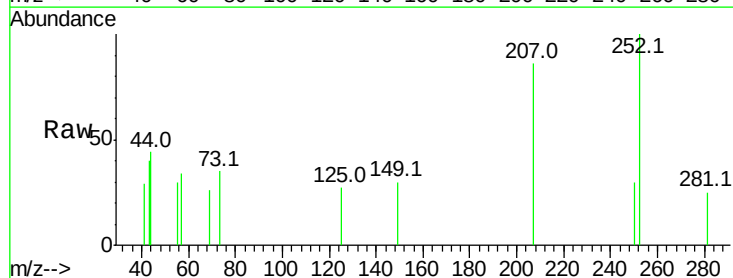
Instrument :
BNA_F
ClientSampleId :

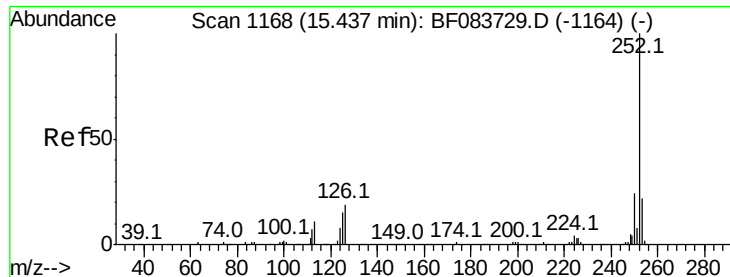
Tot Ion:252 Resp: 2569
Ion Ratio Lower Upper
252 100
253 0.0 18.2 27.4#
125 26.6 8.2 12.4#



#88
Benzo(k)fluoranthene
Concen: 0.18 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF083746.D
Acq: 13 Dec 2015 23:08

Tgt Ion:252 Resp: 2569
Ion Ratio Lower Upper
252 100
253 0.0 18.6 27.8#
125 26.6 11.5 17.3#





#89

Benzo(a)pyrene

Concen: 0.08 ng

RT: 15.43 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

Instrument :

BNA_F

ClientSampleId :

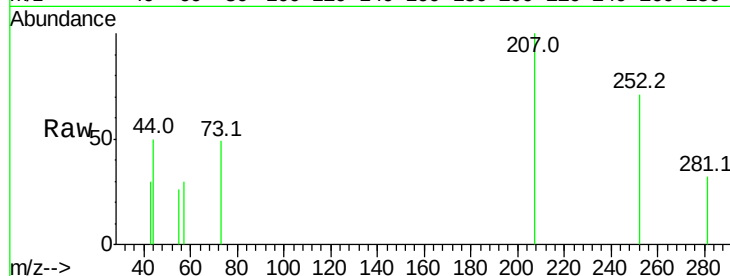
Tot Ion:252 Resp: 1066

Ion Ratio Lower Upper

252 100

253 0.0 17.5 26.3#

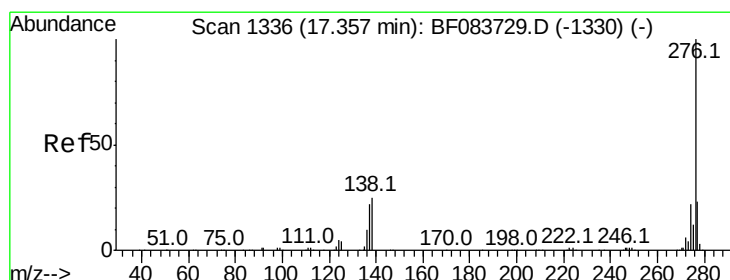
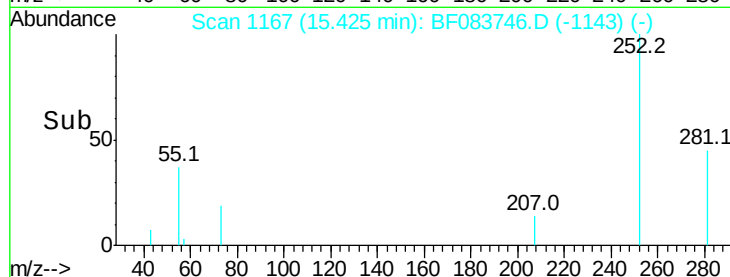
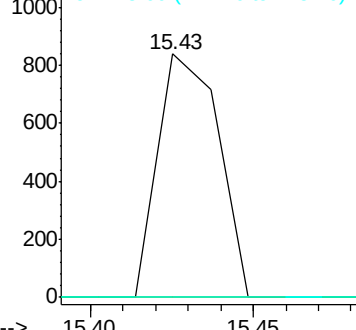
125 0.0 11.0 16.6#



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



#91

Benzo(g,h,i)perylene

Concen: 0.04 ng

RT: 17.33 min Scan# 1334

Delta R.T. -0.05 min

Lab File: BF083746.D

Acq: 13 Dec 2015 23:08

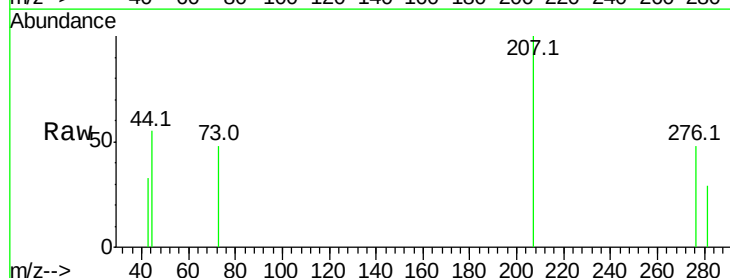
Tgt Ion:276 Resp: 598

Ion Ratio Lower Upper

276 100

277 0.0 19.2 28.8#

138 0.0 19.5 29.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

