

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099059.D
 Acq On : 4 Oct 2017 4:38
 Operator : SJ/JU
 Sample : I5588-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 04 08:25:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	114898	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	419320	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	147119	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	217890	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	230732	20.00	ng	-0.05
86) Perylene-d12	15.51	264	228203	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	855979	118.60	ng	-0.05
7) Phenol-d6	6.50	99	1030012	115.68	ng	-0.04
23) Nitrobenzene-d5	7.44	82	589270	90.12	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	135186	112.30	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	912774	103.58	ng	-0.05
78) Terphenyl-d14	12.98	244	686285	67.64	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.51	93	511	0.04	ng	# 1
8) 2-Chlorophenol	6.66	128	167	0.02	ng	# 1
9) Benzaldehyde	6.65	77	17662	3.42	ng	88
10) Phenol	6.51	94	26088	2.62	ng	# 61
11) bis(2-Chloroethyl)ether	6.65	93	1165	0.15	ng	# 1
15) Benzyl Alcohol	7.03	79	9596	1.47	ng	# 43
16) 2,2'-oxybis(1-Chloropropan	7.25	45	1758	0.15	ng	70
17) 2-Methylphenol	7.01	107	409	0.06	ng	# 40
19) n-Nitroso-di-n-propylamine	7.44	70	76070	13.38	ng	# 74
20) 3+4-Methylphenols	7.01	107	409	0.05	ng	# 16
22) Acetophenone	7.27	105	126	0.01	ng	# 54
24) Nitrobenzene	7.44	77	1827	0.25	ng	# 38
25) Isophorone	7.44	82	581819	43.04	ng	# 64
45) 1,1'-Biphenyl	9.33	154	1533	0.12	ng	93
46) 2-Chloronaphthalene	9.62	162	640	0.07	ng	# 1
47) 2-Nitroaniline	9.62	65	1436	0.49	ng	# 1
48) Acenaphthylene	9.77	152	172	0.01	ng	# 60
49) Dimethylphthalate	9.62	163	159342	14.35	ng	99
50) 2,6-Dinitrotoluene	9.62	165	1699	0.70	ng	# 21
51) Acenaphthene	9.91	154	324	0.04	ng	# 4
56) 2,4-Dinitrotoluene	9.91	165	18575	5.92	ng	# 23
57) Fluorene	10.70	166	8033	0.82	ng	# 88
59) Diethylphthalate	10.32	149	471	0.04	ng	# 61
62) Azobenzene	10.70	77	739	0.07	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.70	198	172	0.13	ng	# 1
65) n-Nitrosodiphenylamine	10.70	169	5075	0.67	ng	# 46
66) 4-Bromophenyl-phenylether	10.70	248	9159	4.29	ng	# 1
70) Phenanthrene	11.42	178	1405	0.12	ng	# 75
71) Anthracene	11.47	178	516	0.04	ng	# 60
72) Carbazole	11.62	167	116	0.01	ng	# 59
73) Di-n-butylphthalate	11.95	149	1603	0.11	ng	# 78
74) Fluoranthene	12.60	202	3828	0.32	ng	99
76) Benzidine	12.98	184	9276	1.09	ng	# 92
77) Pyrene	12.83	202	3966	0.23	ng	97

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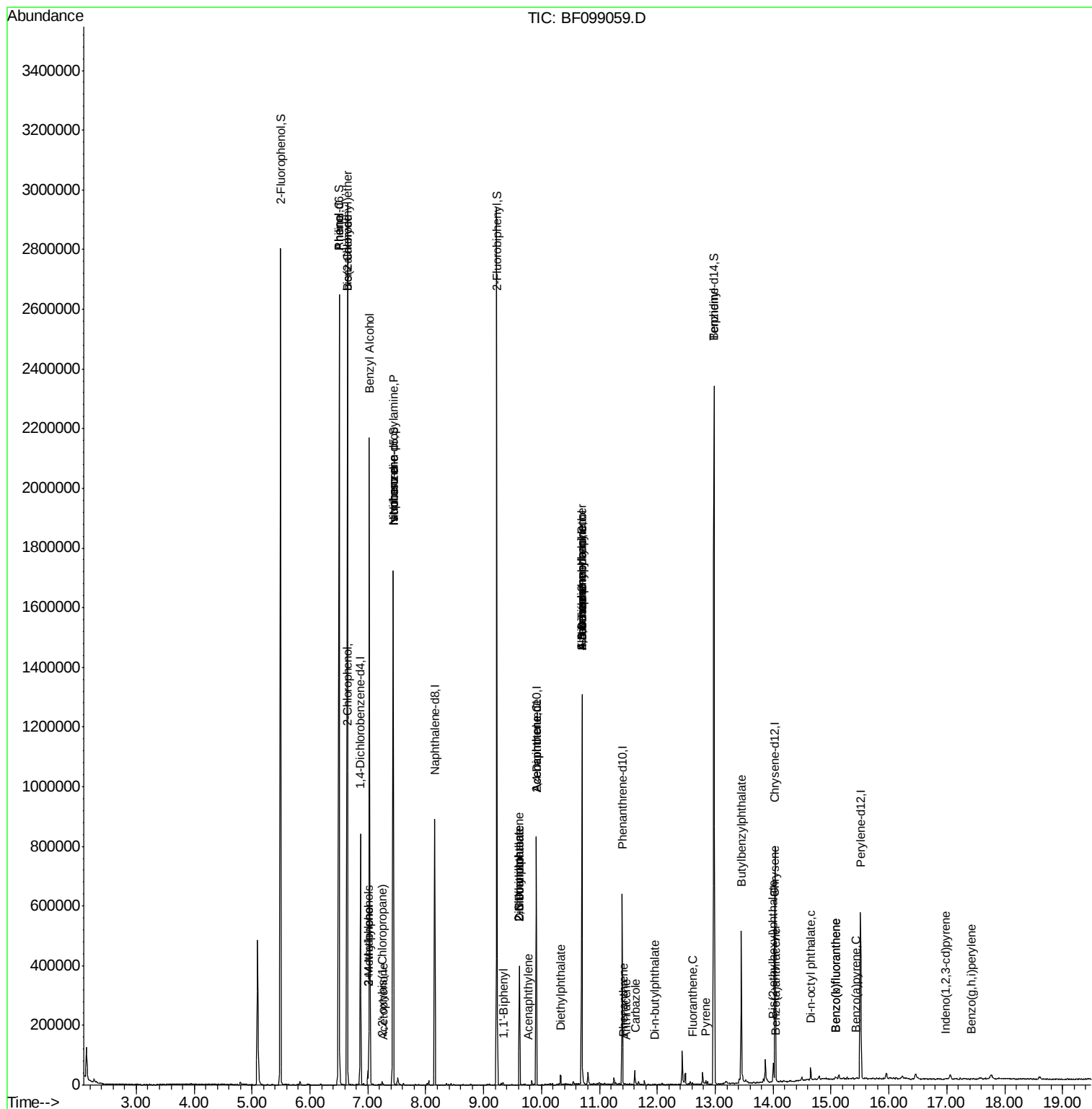
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Butylbenzylphthalate	13.45	149	864	0.10	nq	# 1
80) Benzo(a)anthracene	14.06	228	2407	0.17	nq	94
82) Chrysene	14.02	228	3587	0.27	nq	94
83) Bis(2-ethylhexyl)phthalate	14.00	149	17091	1.50	nq	# 95
84) Di-n-octyl phthalate	14.65	149	5195	0.28	nq	# 41
85) Indeno(1,2,3-cd)pyrene	16.98	276	1188	0.11	nq	# 76
87) Benzo(b)fluoranthene	15.07	252	4408	0.31	nq	# 87
88) Benzo(k)fluoranthene	15.07	252	4408	0.32	nq	# 90
89) Benzo(a)pyrene	15.44	252	2316	0.18	nq	# 82
91) Benzo(a,h,i)perylene	17.43	276	1083	0.11	nq	# 48

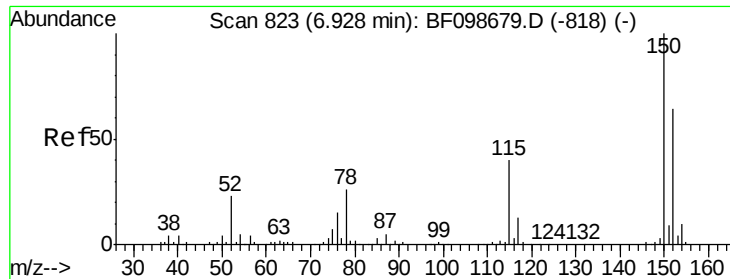
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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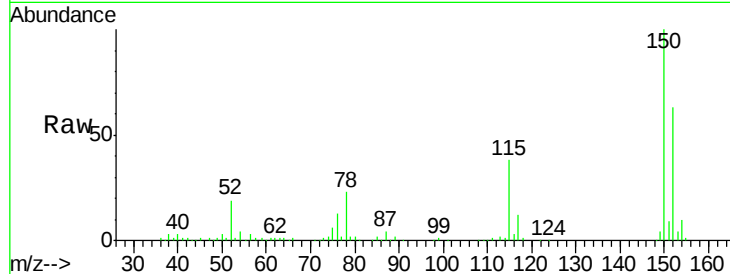


#1

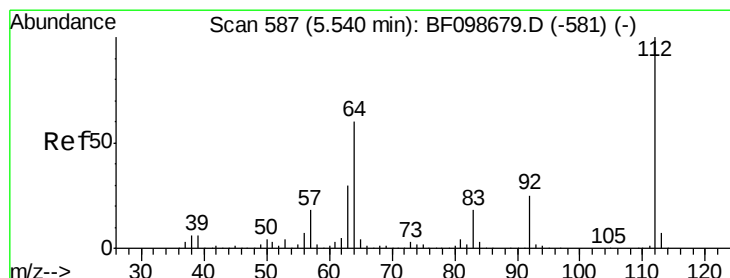
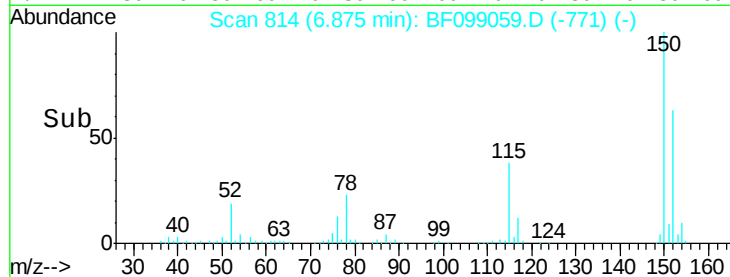
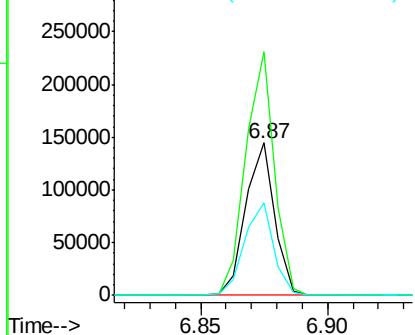
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114898
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 60.9 50.1 75.1



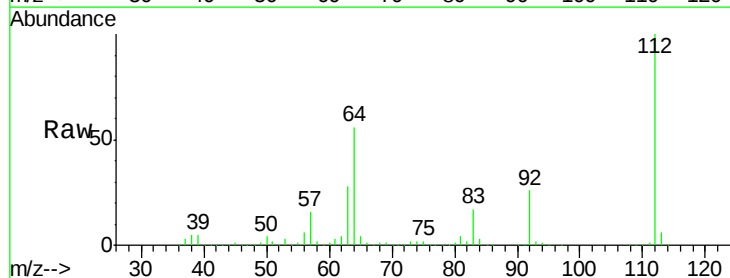
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



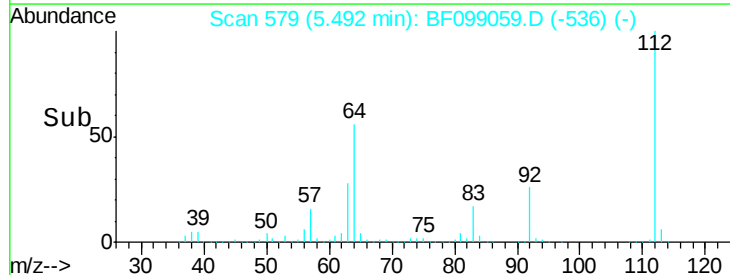
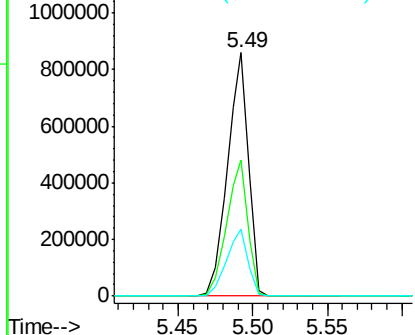
#5

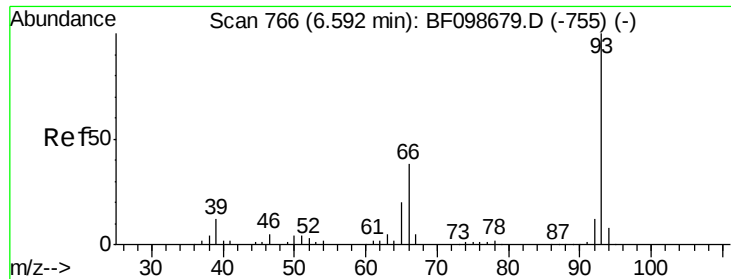
2-Fluorophenol
Concen: 118.60 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.05 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Tgt Ion:112 Resp: 855979
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 27.6 23.7 35.5



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: 0.04 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.08 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

BNA_F

ClientSampleId :

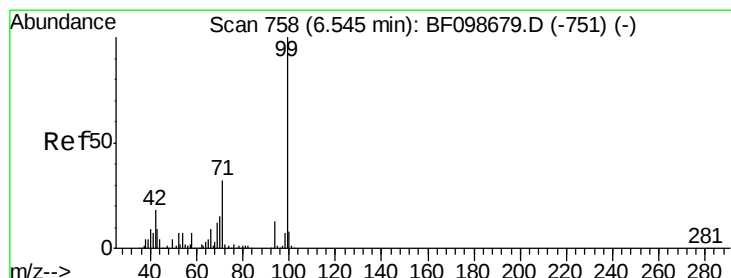
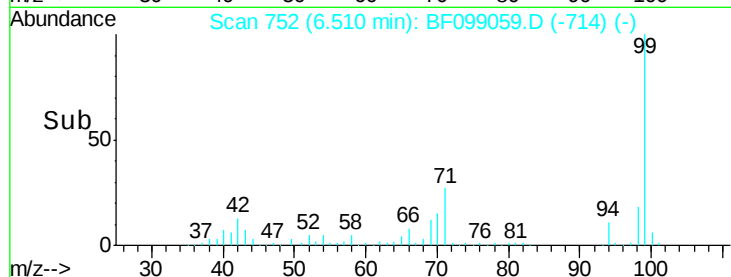
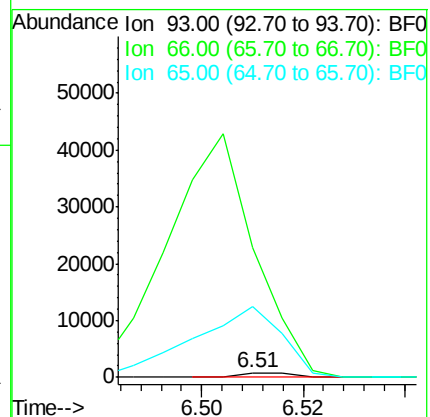
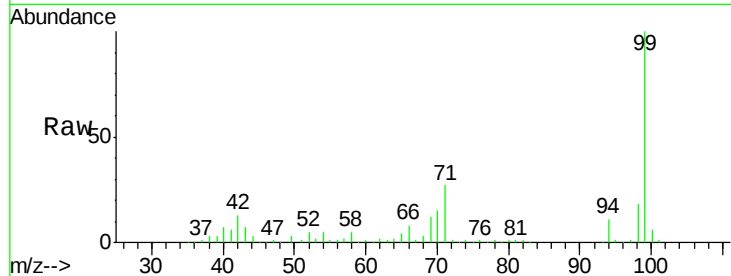
Tot Ion: 93 Resp: 511

Ion Ratio Lower Upper

93 100

66 2851.0 32.2 48.2#

65 1549.3 16.4 24.6#



#7

Phenol-d6

Concen: 115.68 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

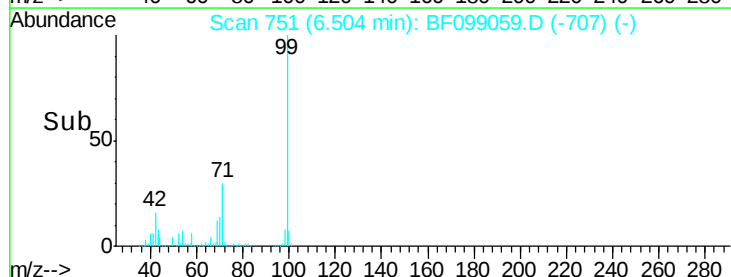
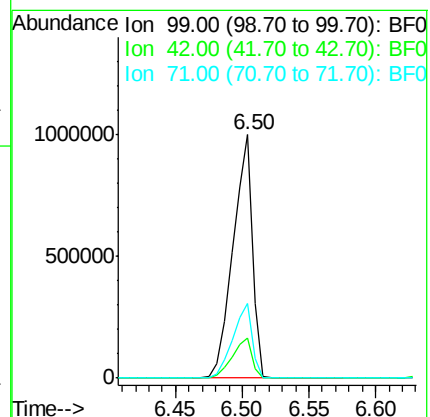
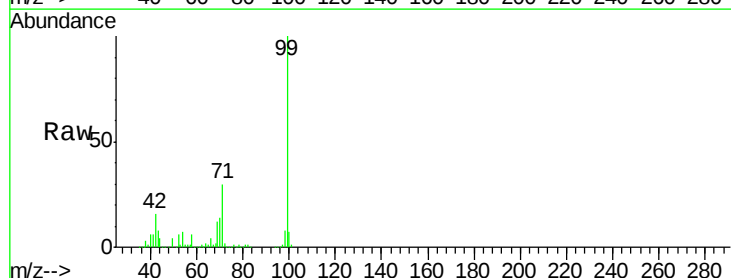
Tgt Ion: 99 Resp: 1030012

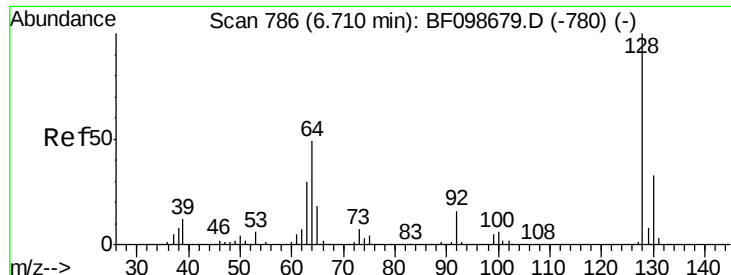
Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 30.5 25.4 38.0





#8

2-Chlorophenol

Concen: 0.02 ng

RT: 6.66 min Scan# 777

Delta R.T. -0.05 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

BNA_F

ClientSampleId :

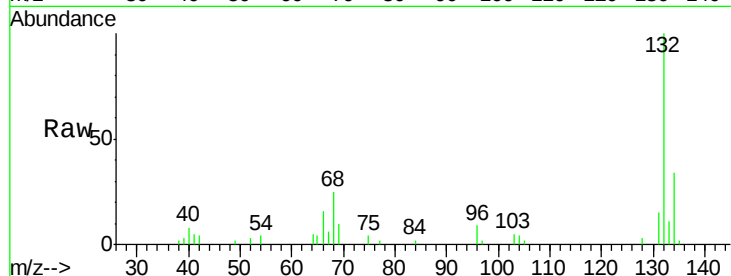
Tot Ion:128 Resp: 167

Ion Ratio Lower Upper

128 100

130 0.0 13.0 53.0#

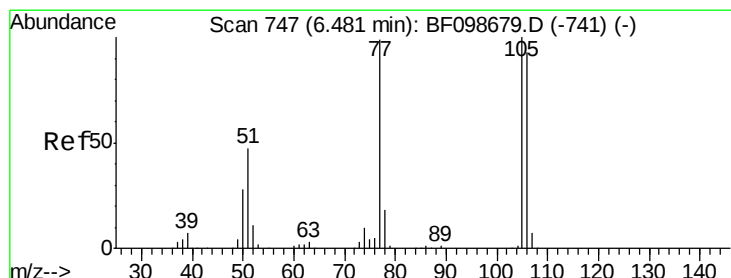
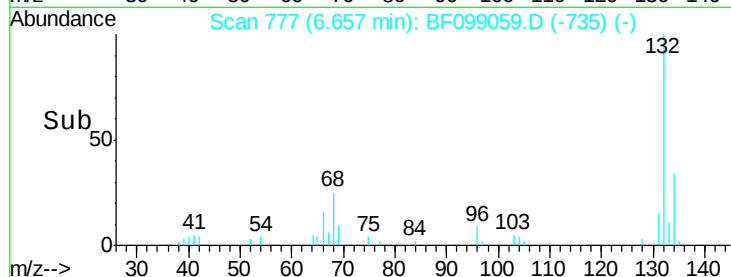
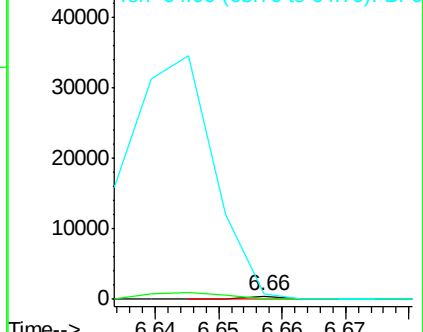
64 168.1 29.4 69.4#



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: 3.42 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.17 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

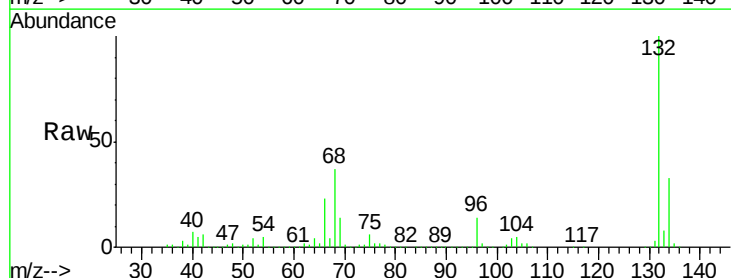
Tgt Ion: 77 Resp: 17662

Ion Ratio Lower Upper

77 100

105 86.2 81.1 121.1

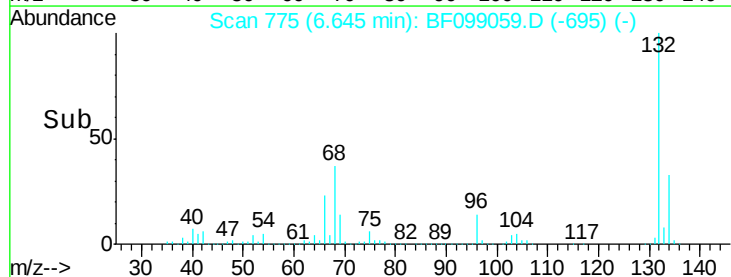
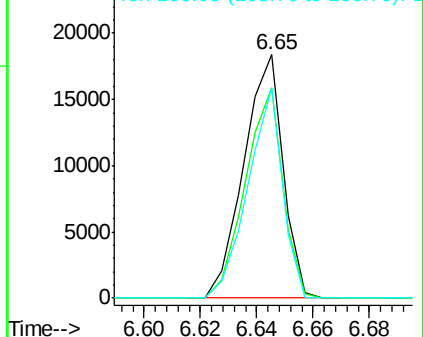
106 86.6 74.5 114.5

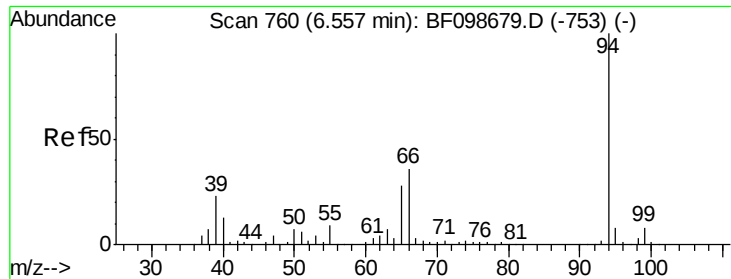


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.62 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.05 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

BNA_F

ClientSampled :

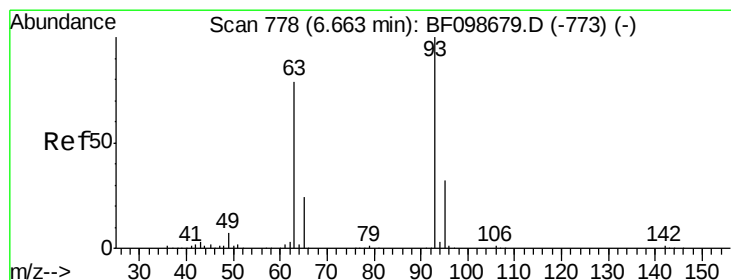
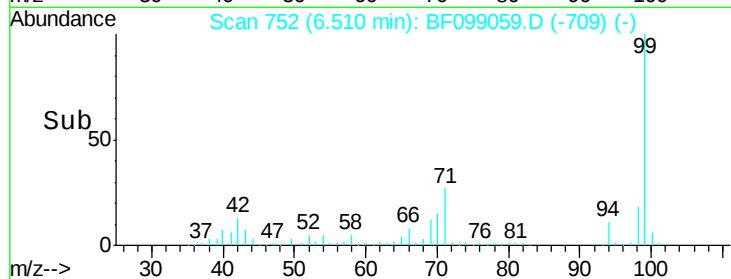
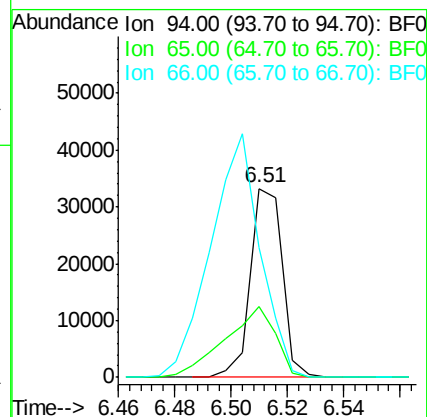
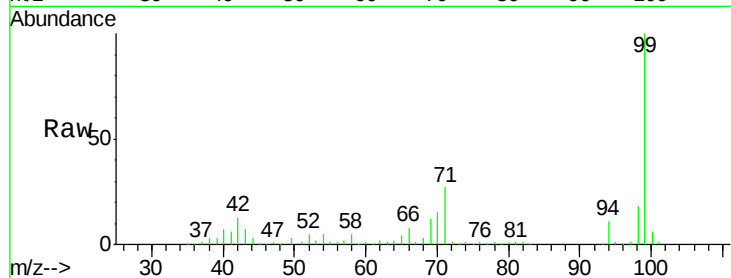
Tot Ion: 94 Resp: 26088

Ion Ratio Lower Upper

94 100

65 37.2 7.9 47.9

66 68.5 16.2 56.2#



#11

bis(2-Chloroethyl)ether

Concen: 0.15 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

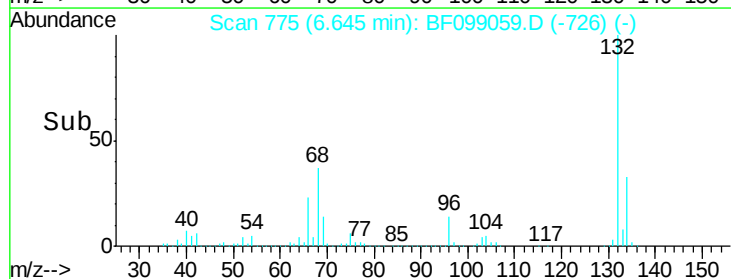
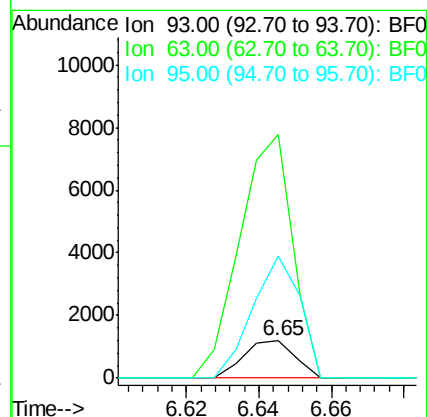
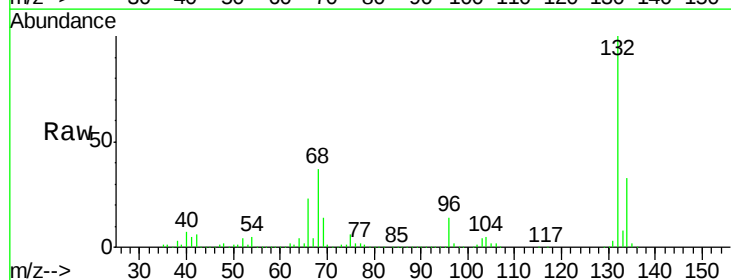
Tgt Ion: 93 Resp: 1165

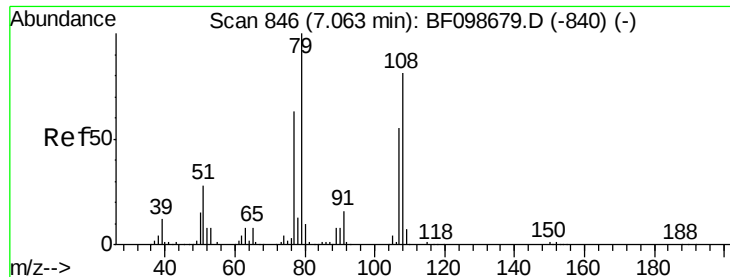
Ion Ratio Lower Upper

93 100

63 653.8 58.6 98.6#

95 327.1 11.8 51.8#





#15

Benzyl Alcohol

Concen: 1.47 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.04 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

BNA_F

ClientSampleId :

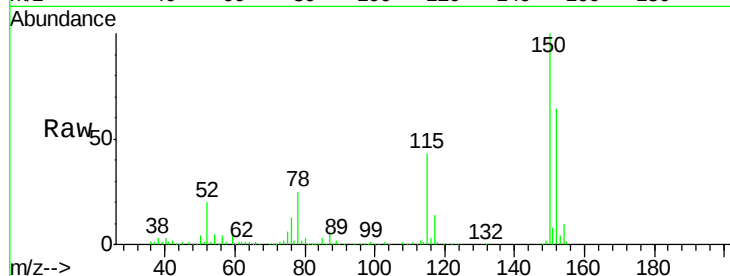
Tot Ion: 79 Resp: 9596

Ion Ratio Lower Upper

79 100

108 27.8 65.1 97.7#

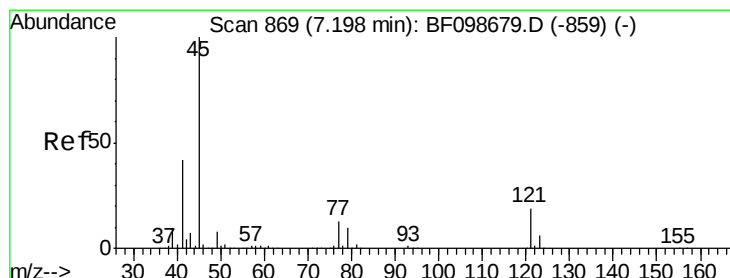
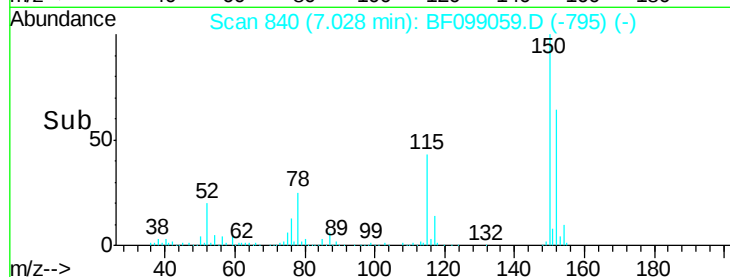
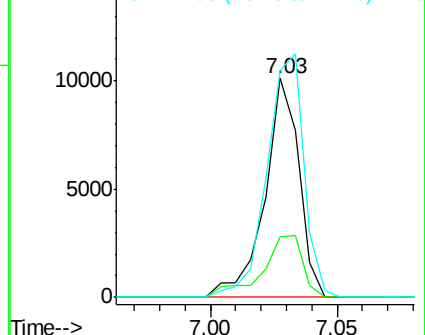
77 103.8 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.15 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.05 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

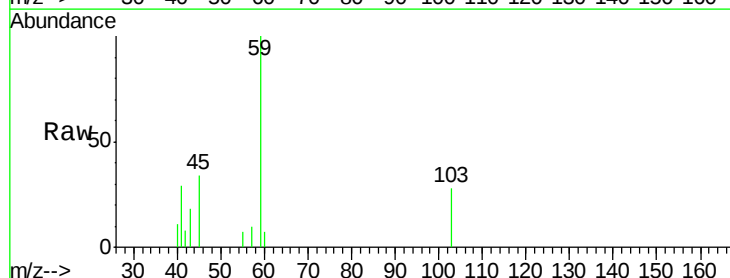
Tgt Ion: 45 Resp: 1758

Ion Ratio Lower Upper

45 100

77 0.0 0.0 32.9

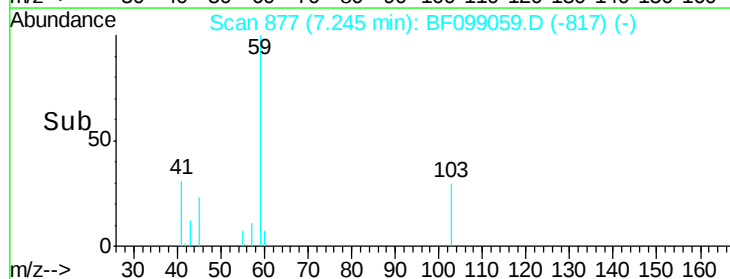
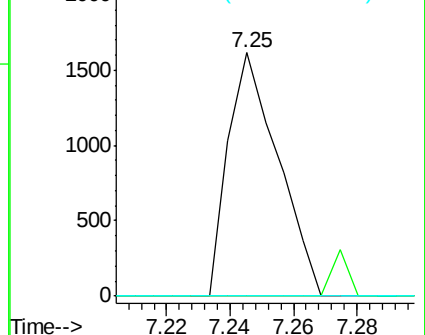
79 0.0 0.0 29.6

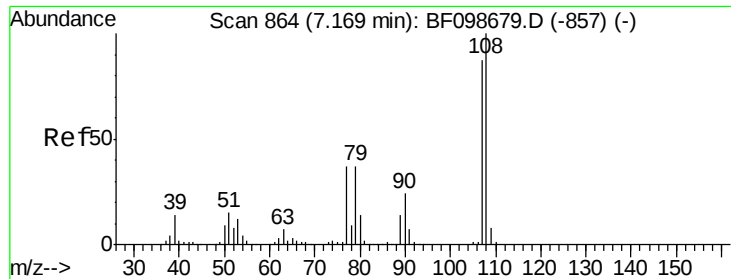


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

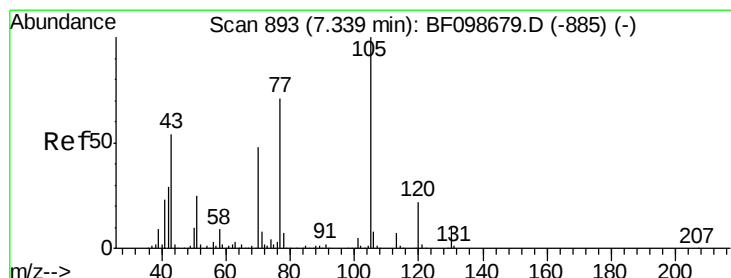
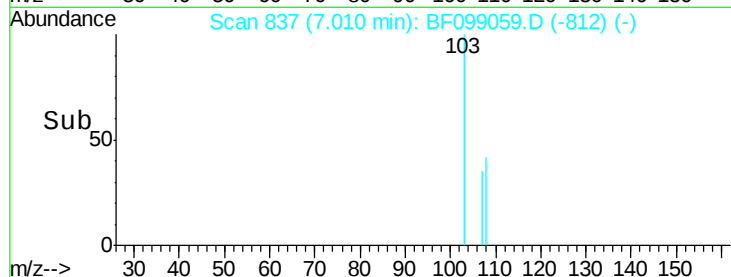
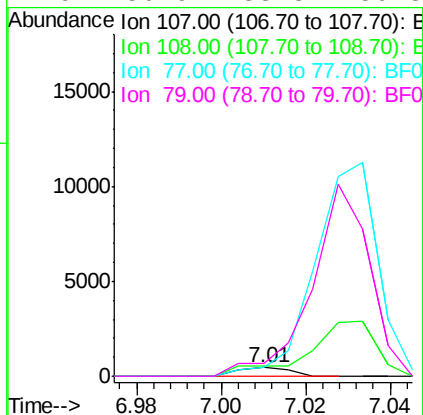
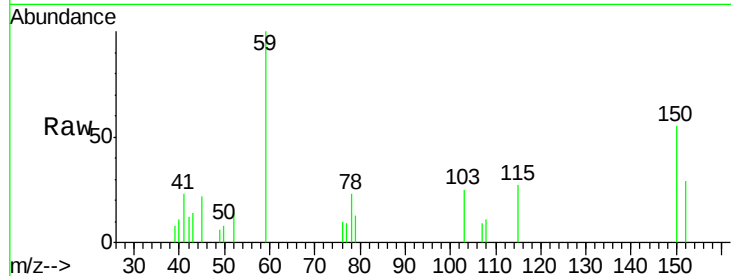




#17
2-Methylphenol
Concen: 0.06 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.15 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

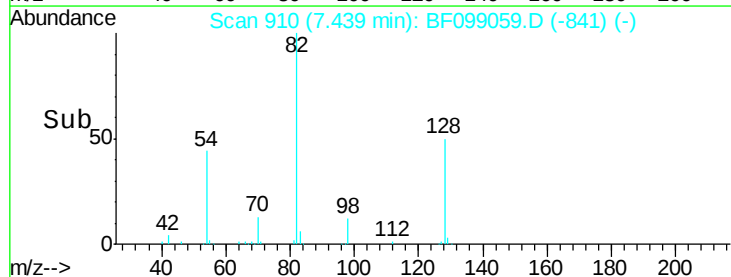
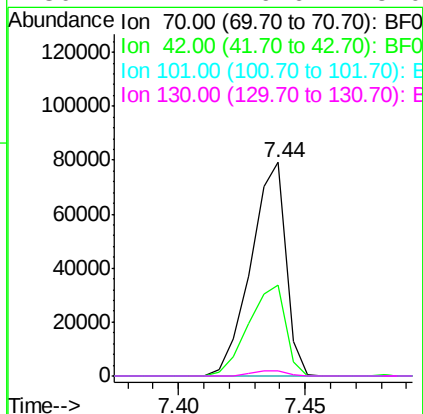
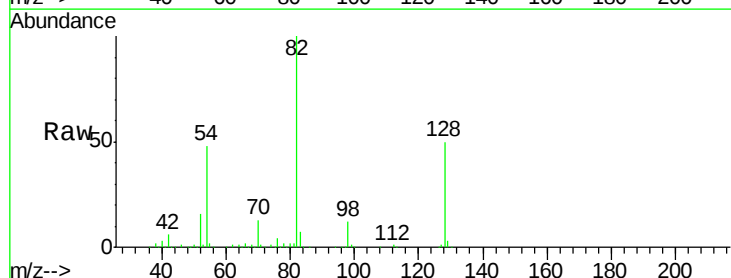
Instrument :
BNA_F
ClientSampleId :

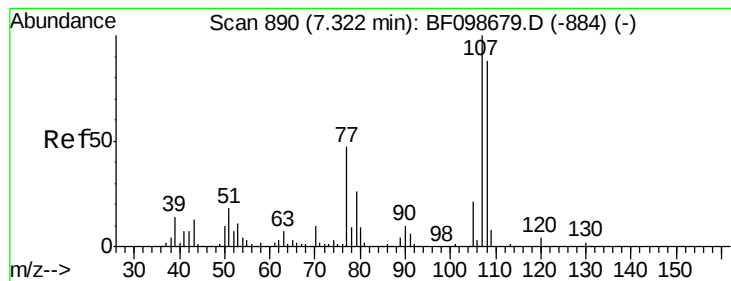
Tot Ion:107 Resp: 409
Ion Ratio Lower Upper
107 100
108 119.2 91.7 137.5
77 106.4 33.8 50.8#
79 150.9 33.8 50.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.38 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.11 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Tgt Ion: 70 Resp: 76070
Ion Ratio Lower Upper
70 100
42 42.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#





#20

3+4-Methylphenols

Concen: 0.05 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.31 min

Lab File: BF099059.D

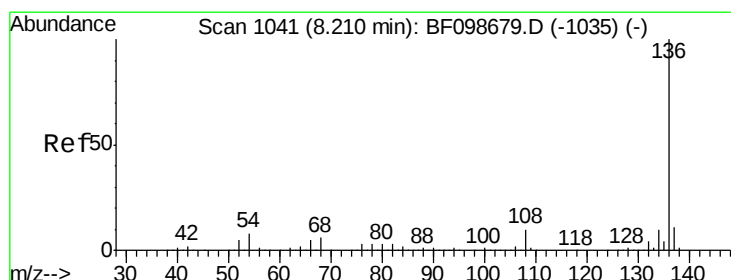
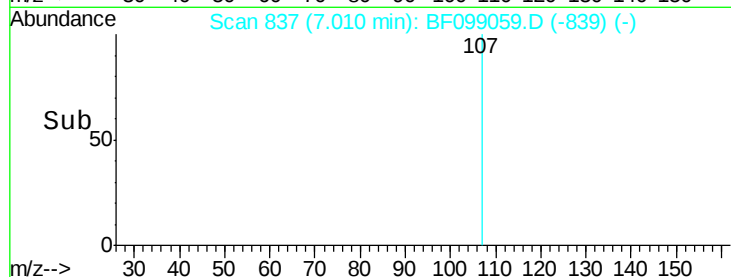
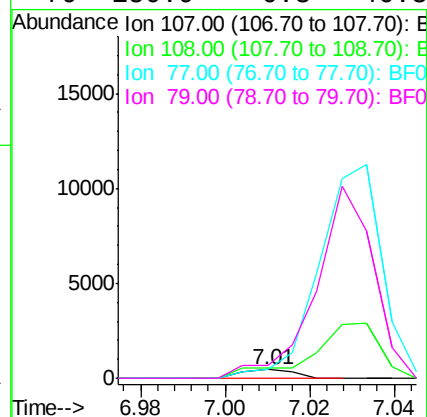
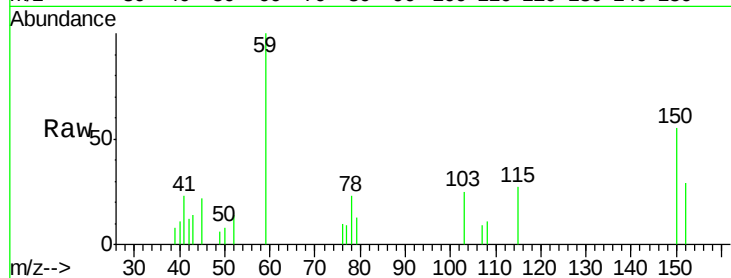
Acq: 4 Oct 2017 4:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	409
Ion	Ratio	Lower	Upper
107	100		
108	119.2	68.2	108.2#
77	106.4	26.7	66.7#
79	150.9	6.3	46.3#



#21

Naphthalene-d8

Concen: 20.00 ng

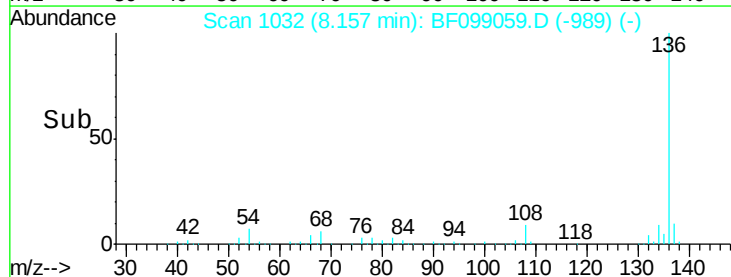
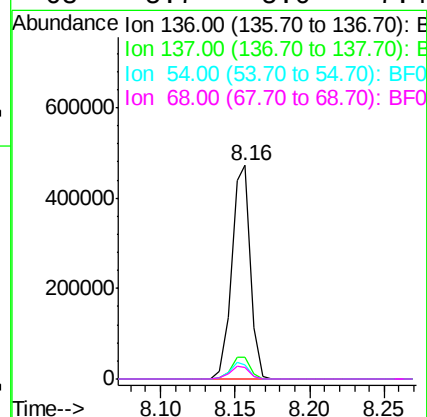
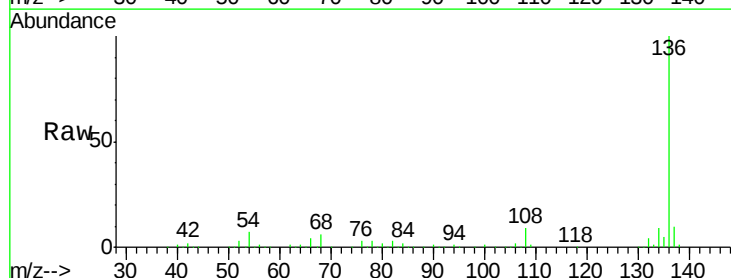
RT: 8.16 min Scan# 1032

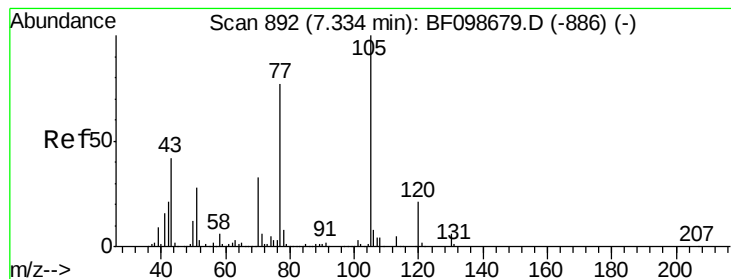
Delta R.T. -0.05 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Tgt Ion:	136	Resp:	419320
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.7	6.6	9.8
68	5.7	5.0	7.4





#22

Acetophenone

Concen: 0.01 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.06 min

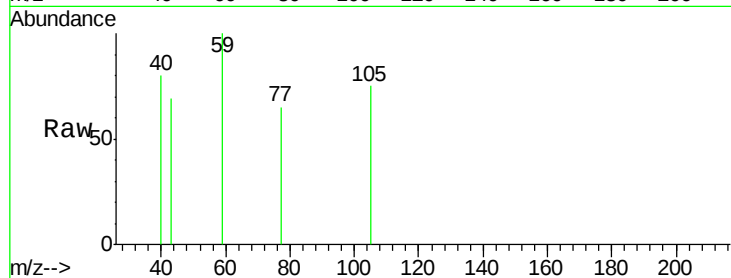
Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

BNA_F

ClientSampled :



Tot Ion:105 Resp: 126

Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 0.0 22.3 33.5#

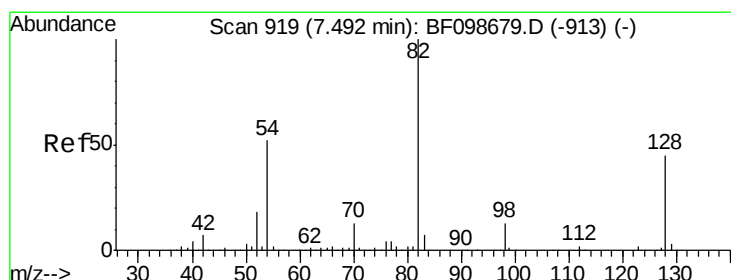
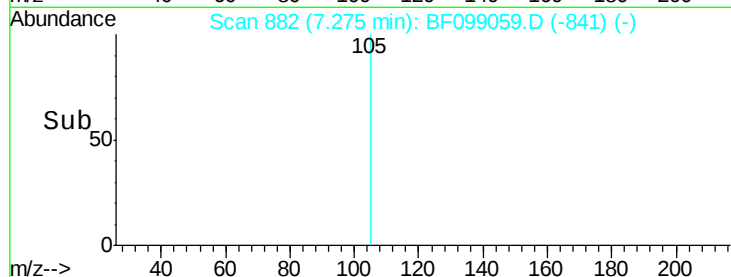
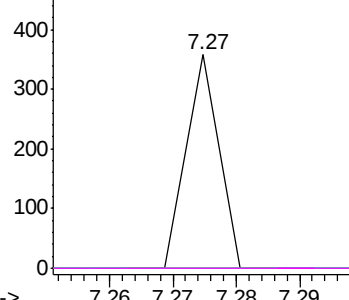
120 0.0 16.9 25.3#

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: 90.12 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.05 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Tgt Ion: 82 Resp: 589270

Ion Ratio Lower Upper

82 100

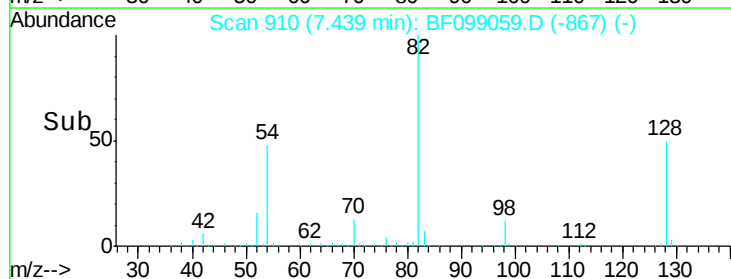
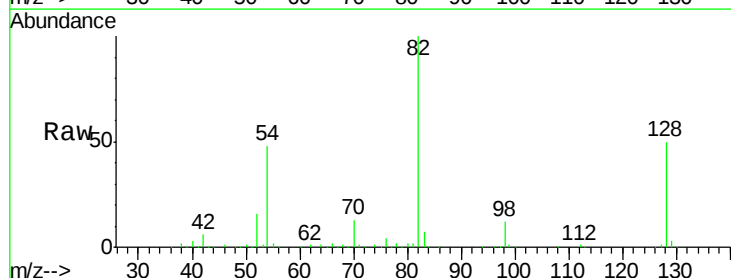
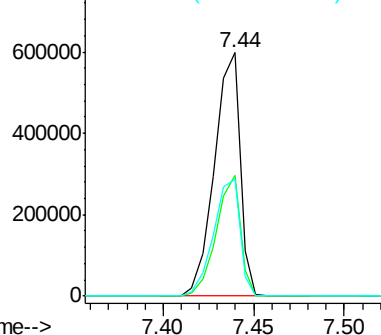
128 49.6 36.1 54.1

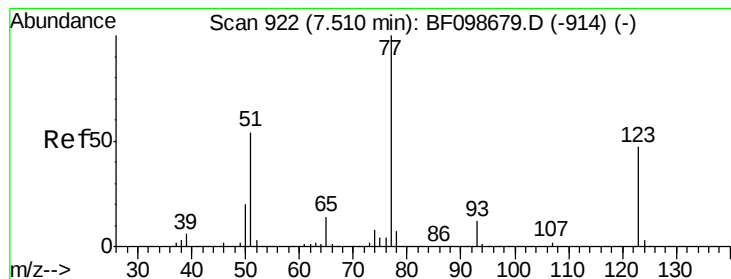
54 48.1 41.4 62.2

Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.25 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.06 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

BNA_F

ClientSampled :

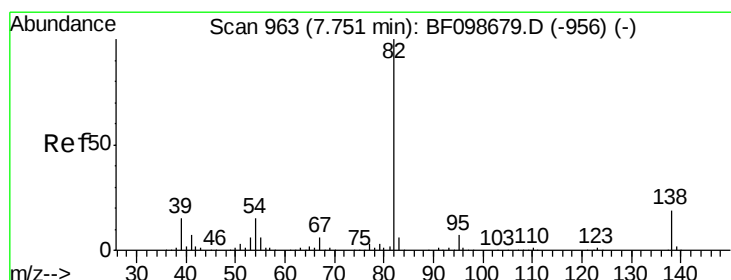
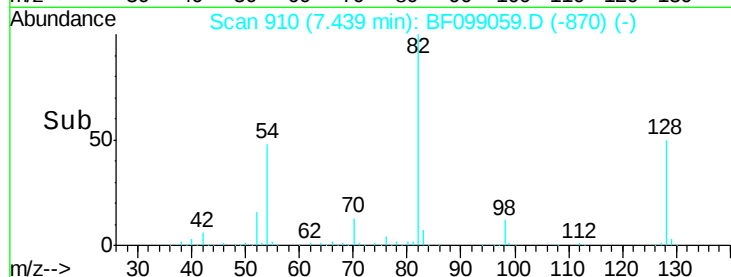
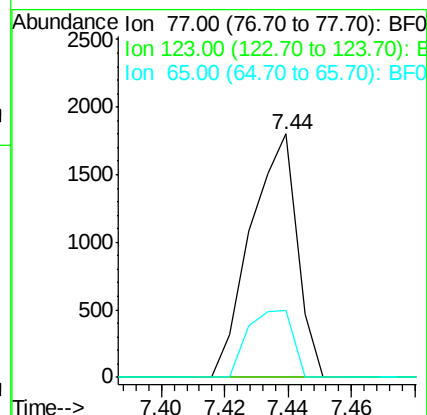
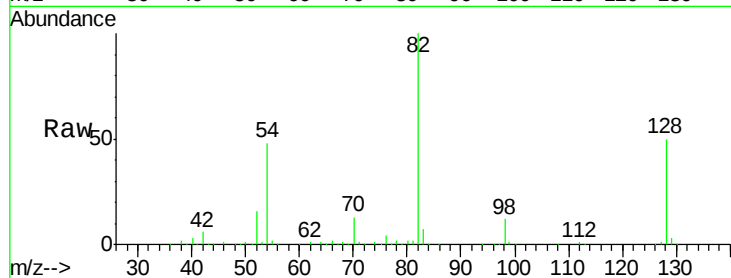
Tot Ion: 77 Resp: 1827

Ion Ratio Lower Upper

77 100

123 0.0 37.9 56.9#

65 27.3 11.0 16.4#



#25

Isophorone

Concen: 43.04 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.31 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

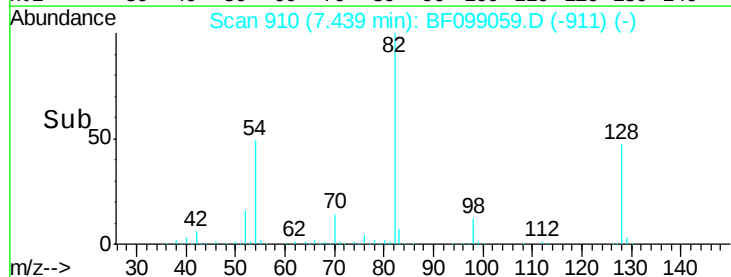
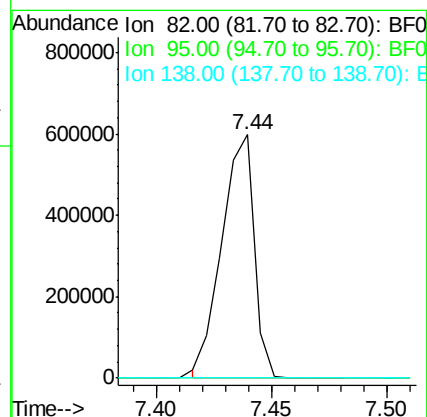
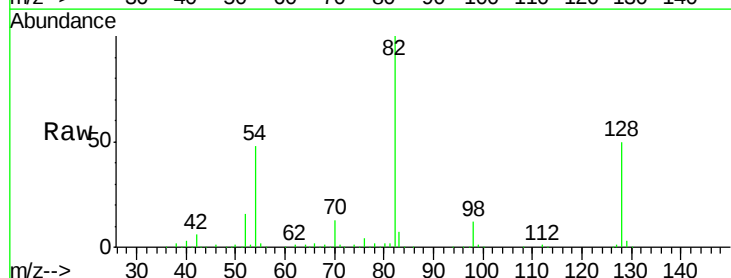
Tgt Ion: 82 Resp: 581819

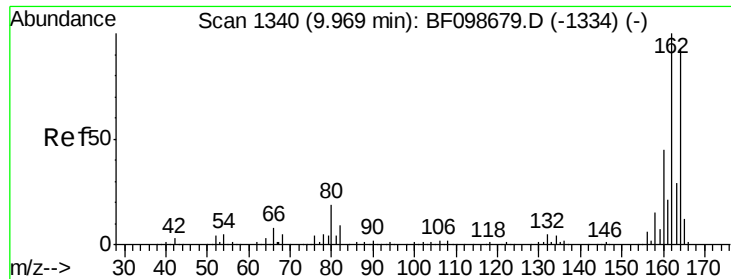
Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

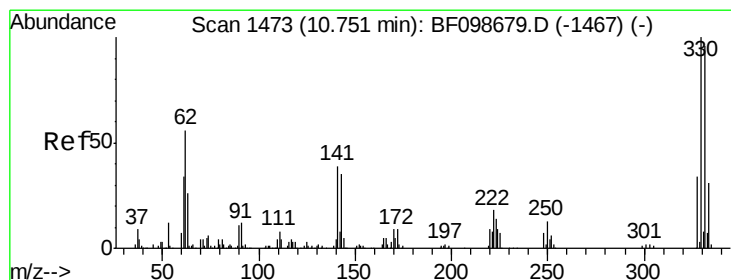
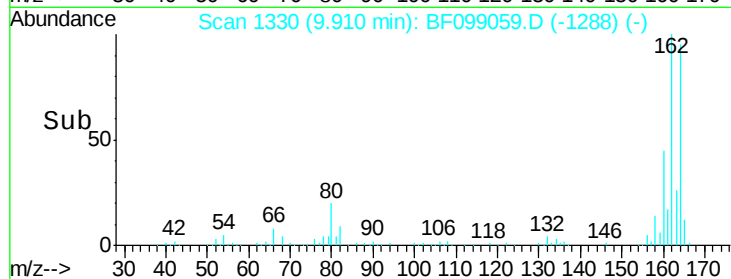
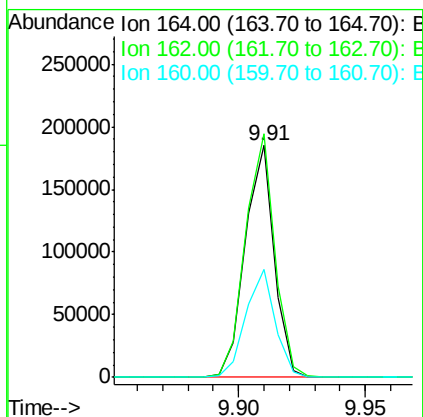
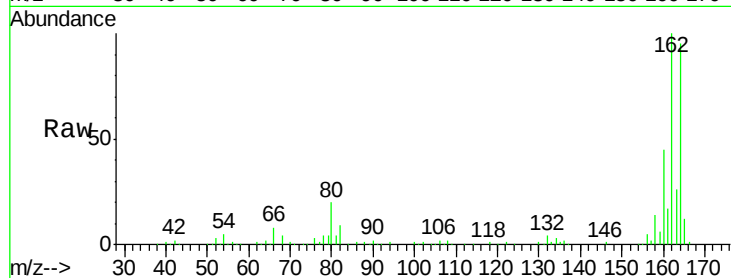




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.05 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

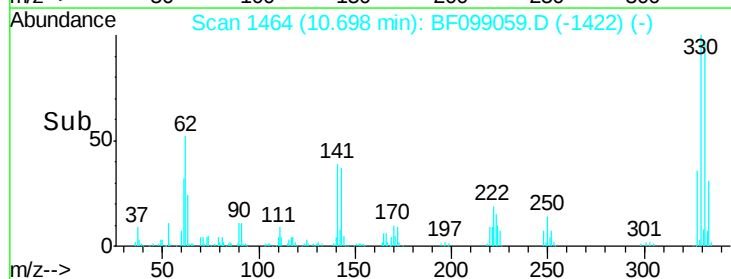
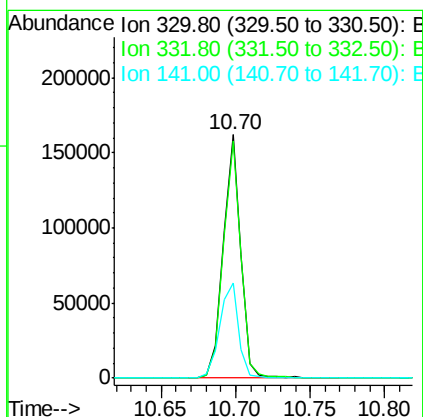
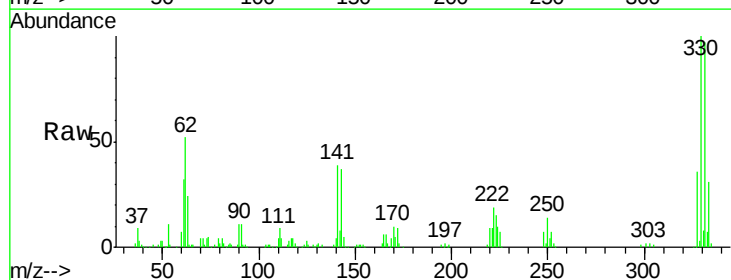
Instrument :
 BNA_F
 ClientSampleId :

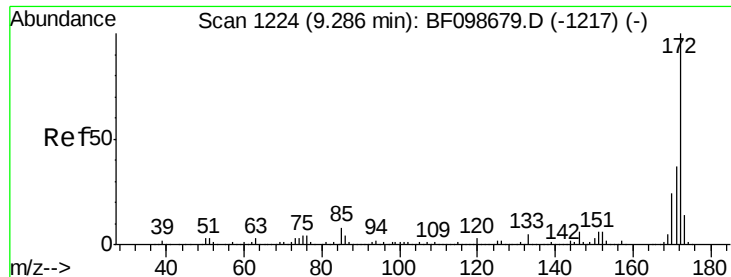
Tot Ion:164 Resp: 147119
 Ion Ratio Lower Upper
 164 100
 162 105.2 86.1 129.1
 160 46.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 112.30 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.05 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

Tgt Ion:330 Resp: 135186
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 41.8 29.9 44.9

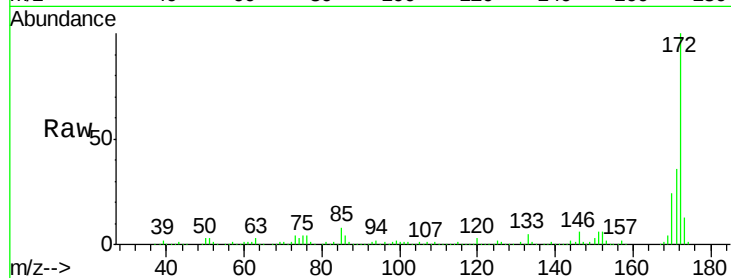




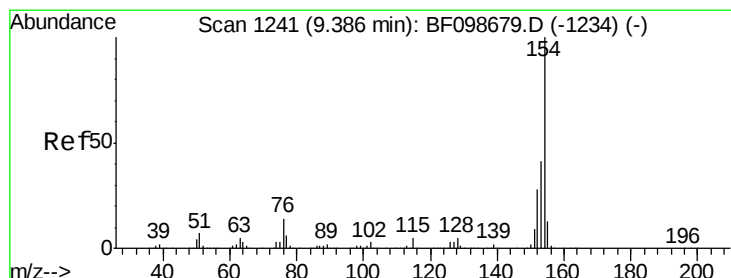
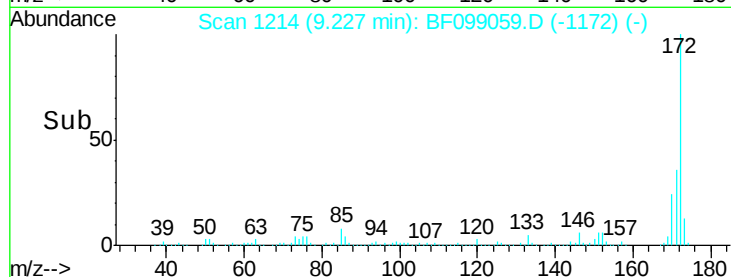
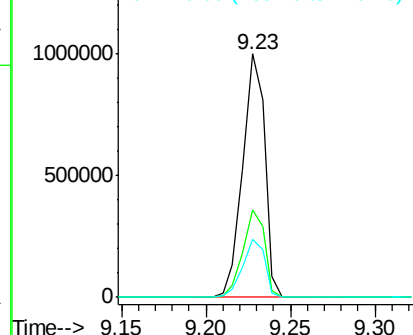
#44
 2-Fluorobiphenyl
 Concen: 103.58 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 912774
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.0 19.6 29.4

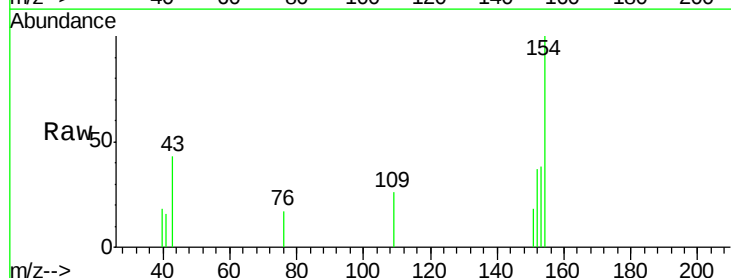


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

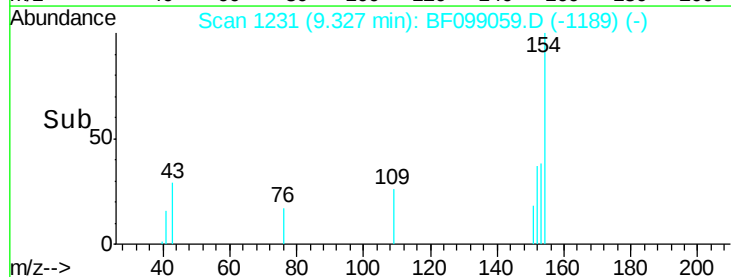
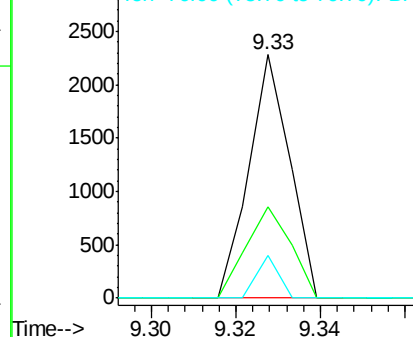


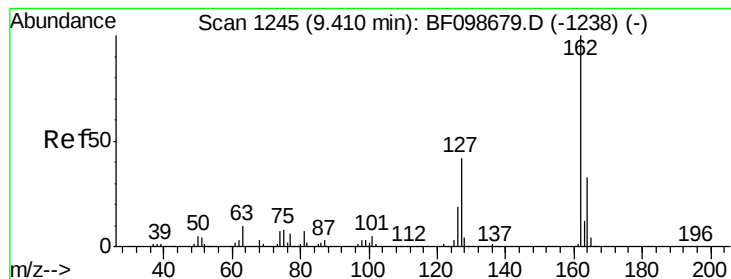
#45
 1,1'-Biphenyl
 Concen: 0.12 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.05 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

Tgt Ion:154 Resp: 1533
 Ion Ratio Lower Upper
 154 100
 153 37.7 21.3 61.3
 76 17.5 0.0 34.0



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





#46

2-Chloronaphthalene

Concen: 0.07 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.21 min

Lab File: BF099059.D

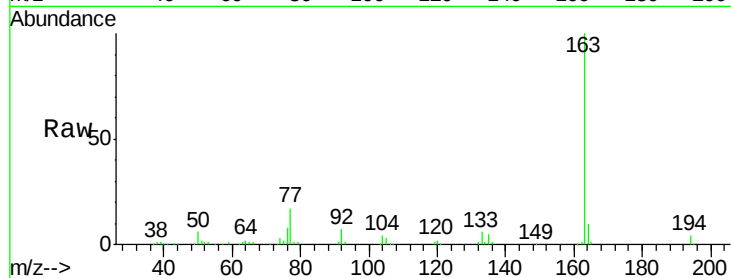
Acq: 4 Oct 2017 4:38

Instrument :

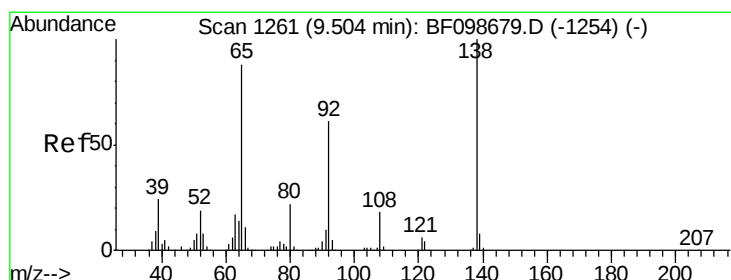
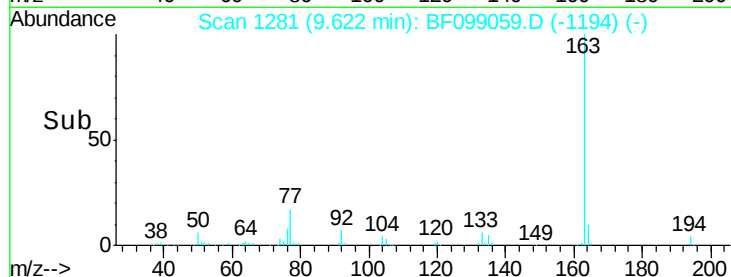
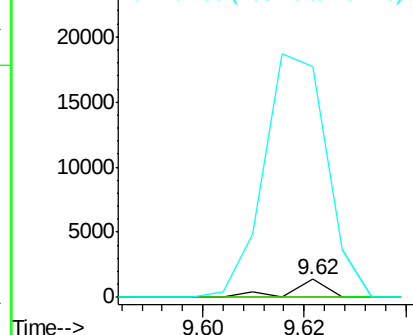
BNA_F

ClientSampled :

Tot Ion:162 Resp: 640
 Ion Ratio Lower Upper
 162 100
 127 0.0 33.9 50.9#
 164 1297.3 26.5 39.7#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E



#47

2-Nitroaniline

Concen: 0.49 ng

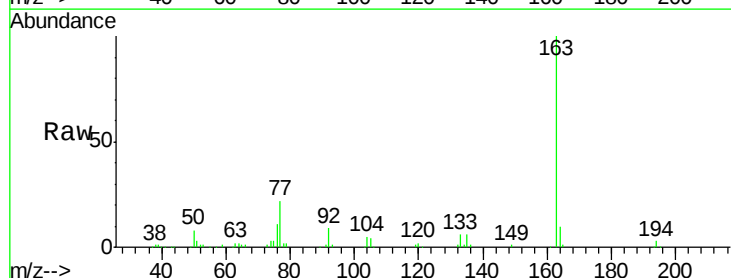
RT: 9.62 min Scan# 1280

Delta R.T. 0.12 min

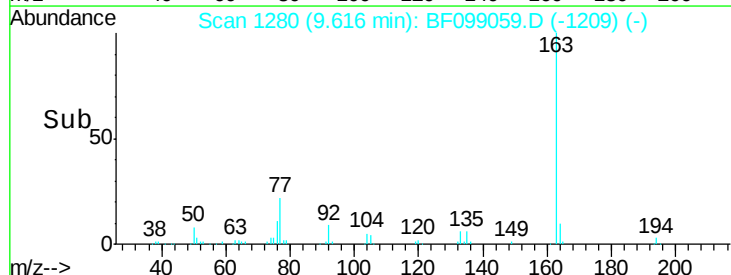
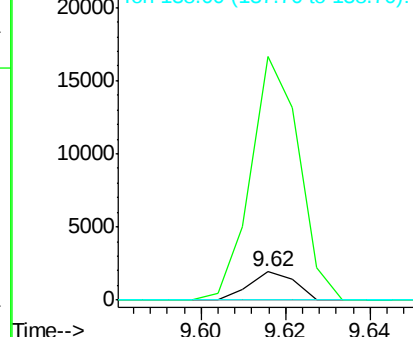
Lab File: BF099059.D

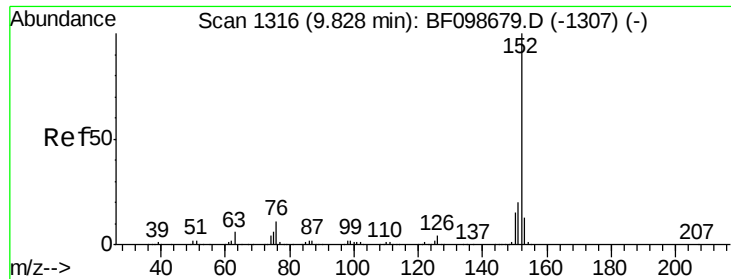
Acq: 4 Oct 2017 4:38

Tgt Ion: 65 Resp: 1436
 Ion Ratio Lower Upper
 65 100
 92 855.1 55.8 83.6#
 138 0.0 91.2 136.8#



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: 9.77 min Scan# 1306

Delta R.T. -0.06 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

BNA_F

ClientSampleId :

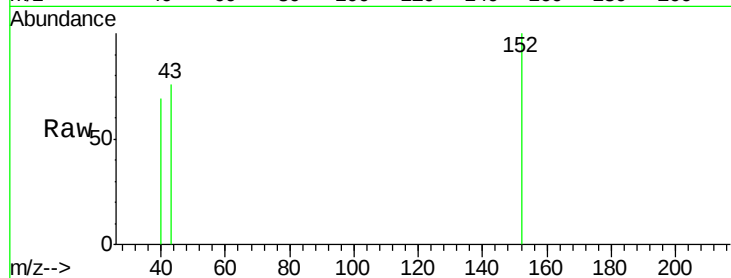
Tot Ion:152 Resp: 172

Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#

153 0.0 10.7 16.1#



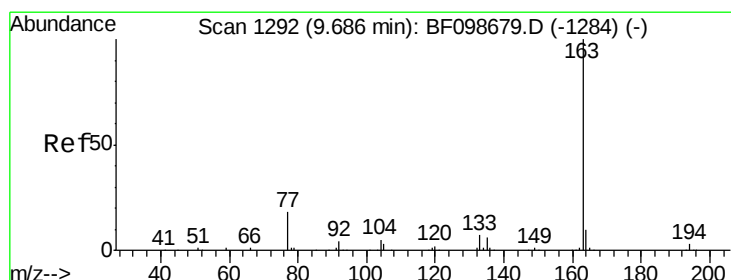
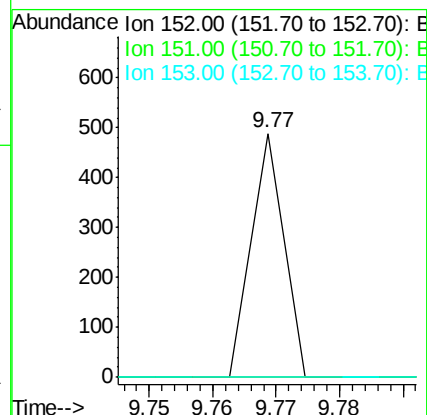
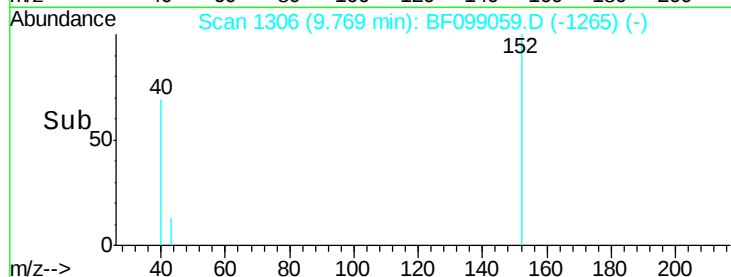
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

9.77

Time-->



#49

Dimethylphthalate

Concen: 14.35 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.06 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

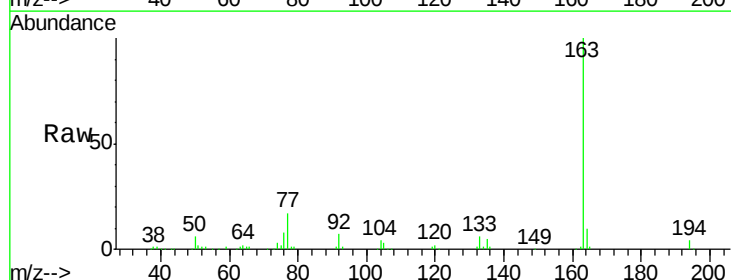
Tgt Ion:163 Resp: 159342

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

164 9.5 8.2 12.2



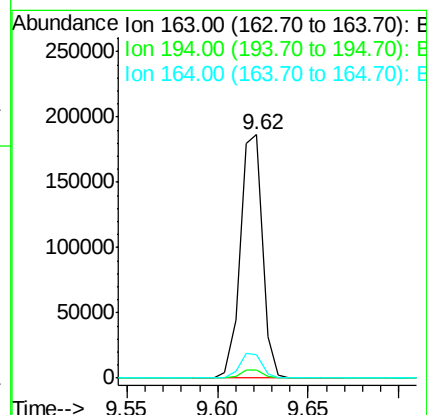
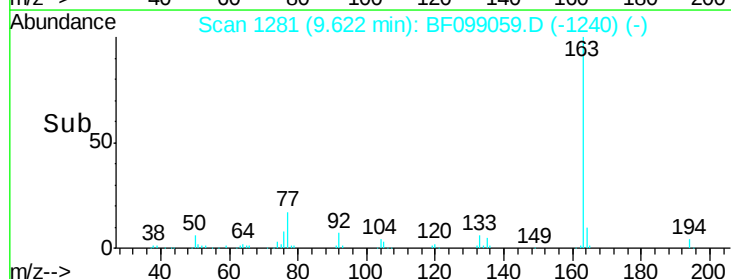
Abundance Ion 163.00 (162.70 to 163.70): E

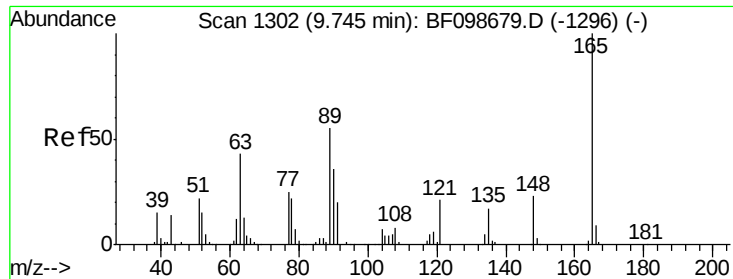
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

9.62

Time-->

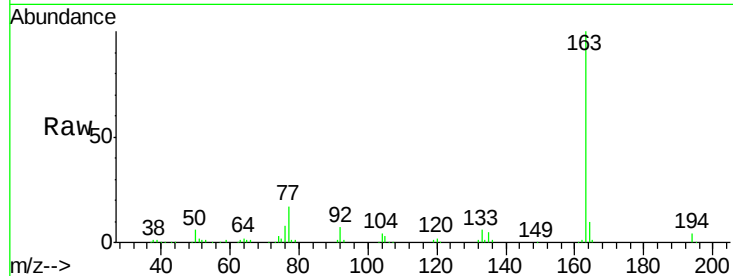




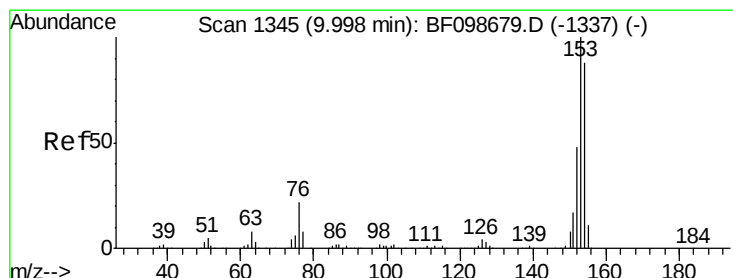
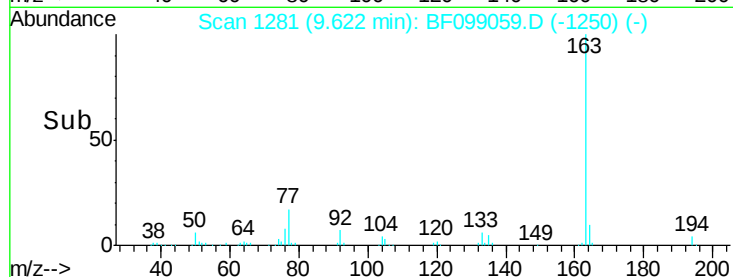
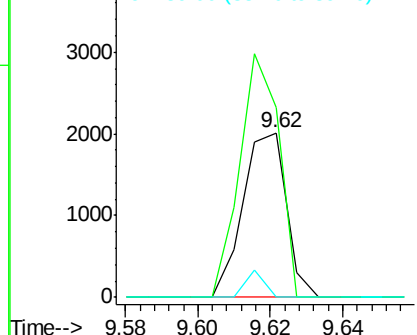
#50
2,6-Dinitrotoluene
Concen: 0.70 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.12 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 1699
Ion Ratio Lower Upper
165 100
63 114.9 44.7 67.1#
89 0.0 44.0 66.0#

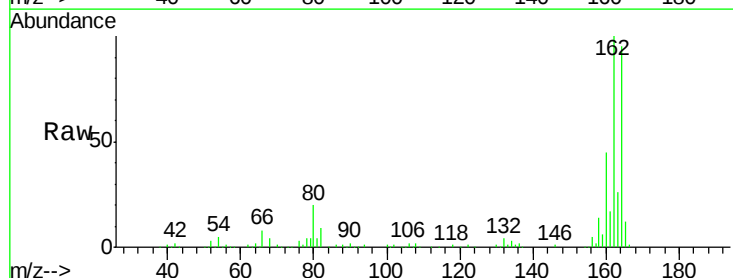


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

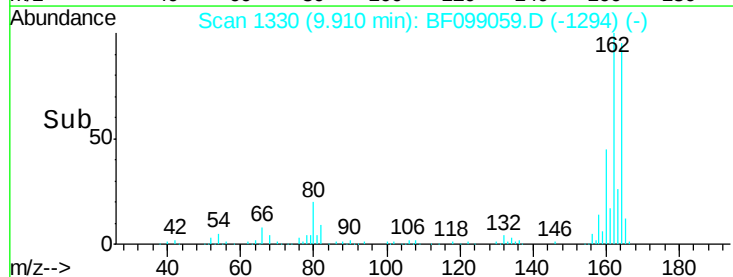
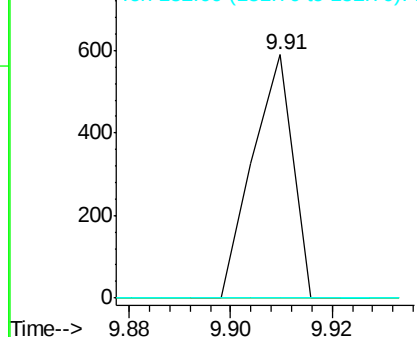


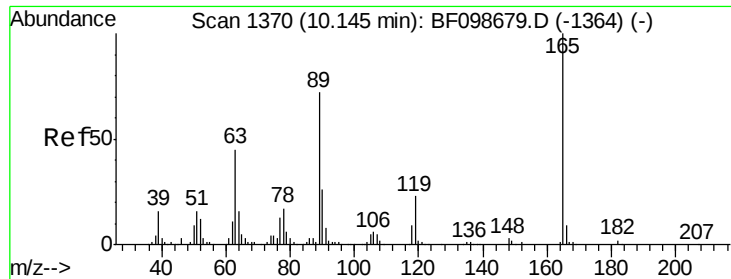
#51
Acenaphthene
Concen: 0.04 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.09 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Tgt Ion:154 Resp: 324
Ion Ratio Lower Upper
154 100
153 0.0 91.2 136.8#
152 0.0 43.8 65.8#



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

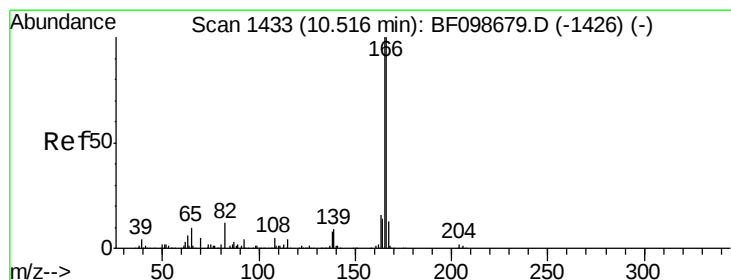
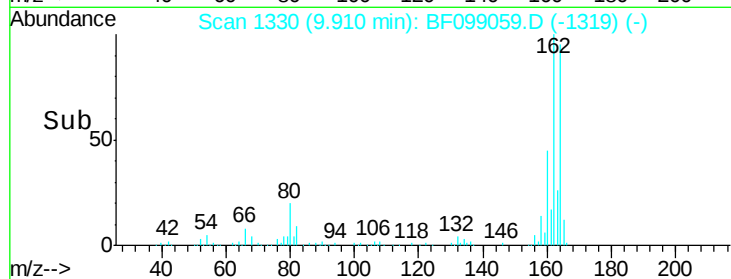
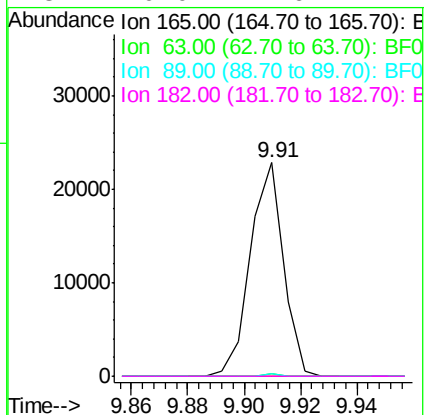
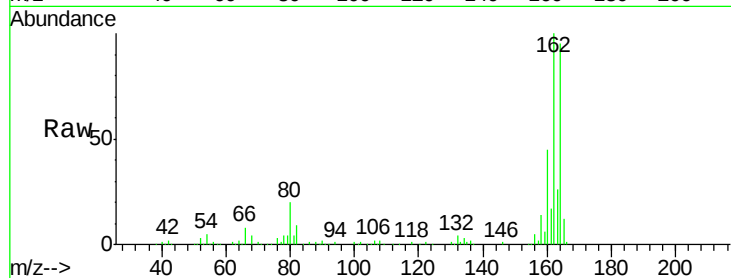




#56
2,4-Dinitrotoluene
Concen: 5.92 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.24 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

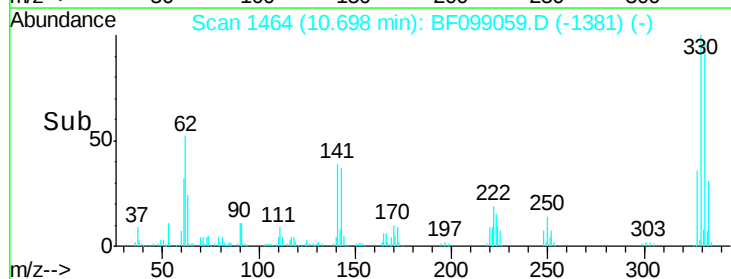
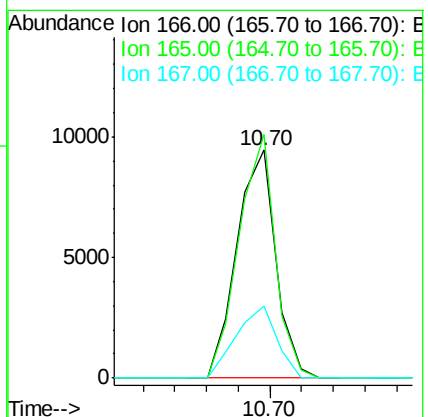
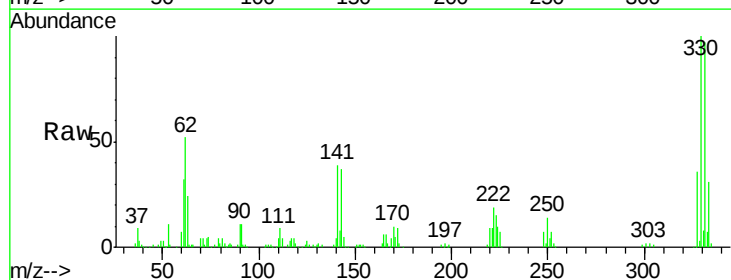
Instrument :
BNA_F
ClientSampleId :

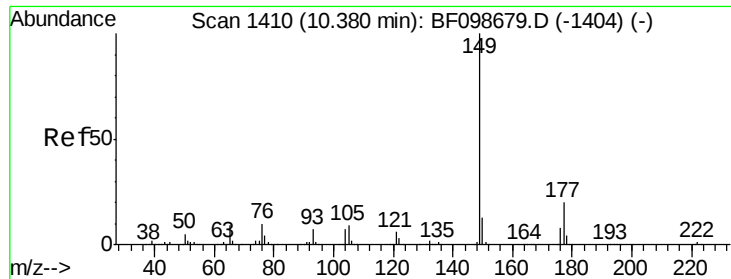
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 0.82 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.19 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.8	79.8	119.8
167	31.7	10.6	16.0#

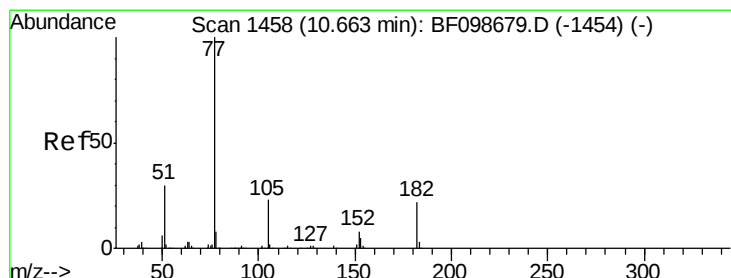
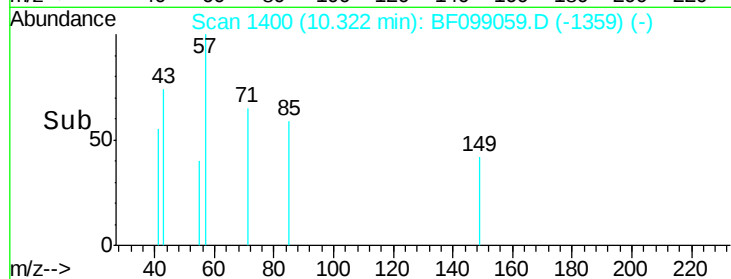
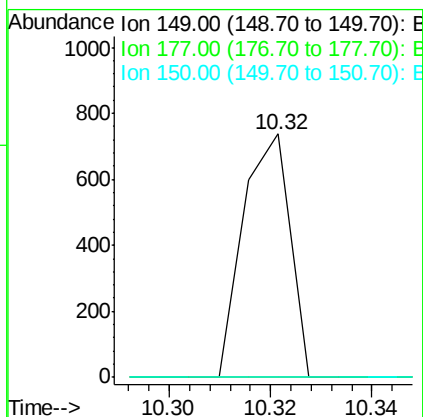
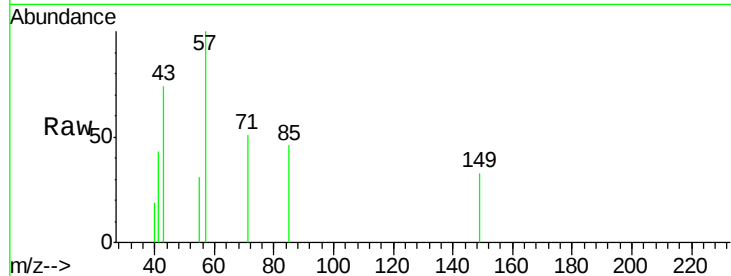




#59
Diethylphthalate
Concen: 0.04 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.06 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

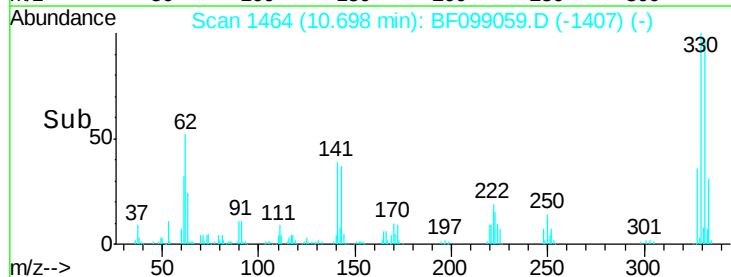
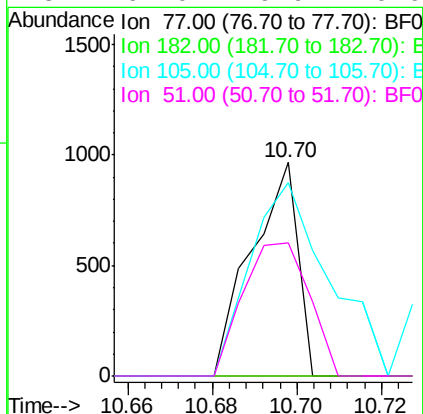
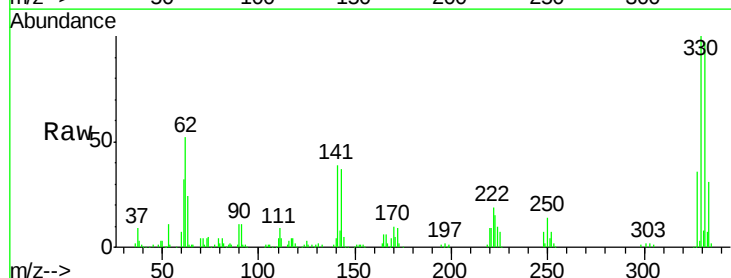
Instrument :
BNA_F
ClientSampleId :

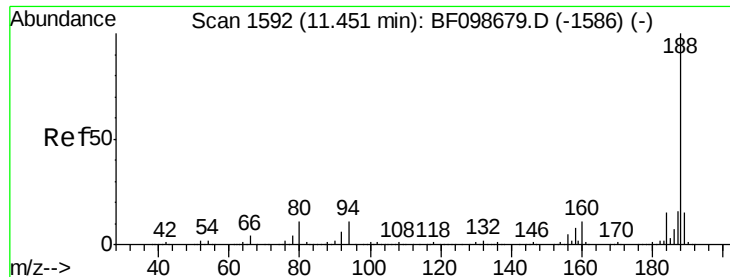
Tot Ion:149 Resp: 471
Ion Ratio Lower Upper
149 100
177 0.0 16.1 24.1#
150 0.0 10.1 15.1#



#62
Azobenzene
Concen: 0.07 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.04 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Tgt Ion: 77 Resp: 739
Ion Ratio Lower Upper
77 100
182 0.0 1.7 41.7#
105 90.3 3.0 43.0#
51 62.0 9.9 49.9#

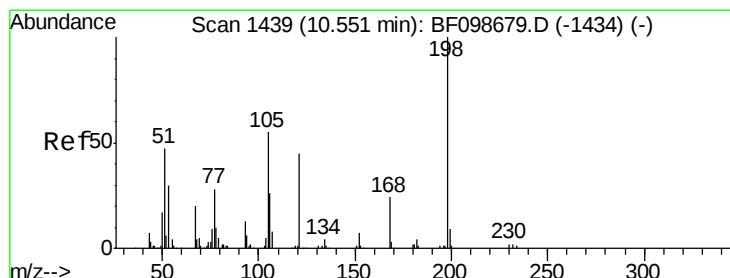
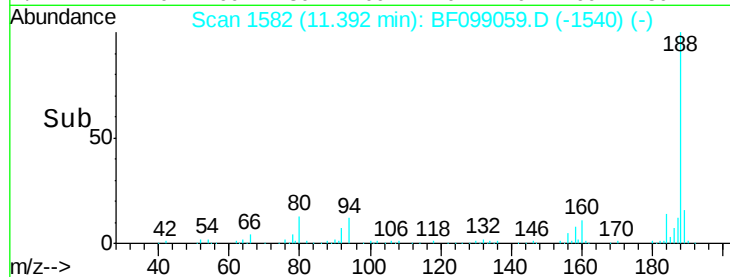
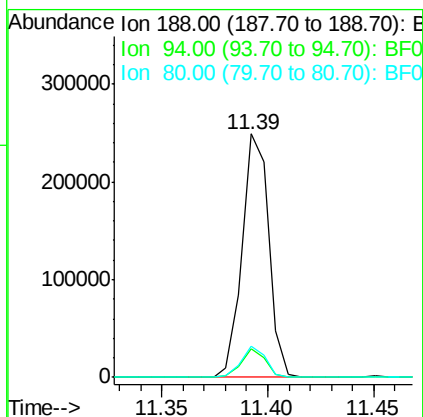
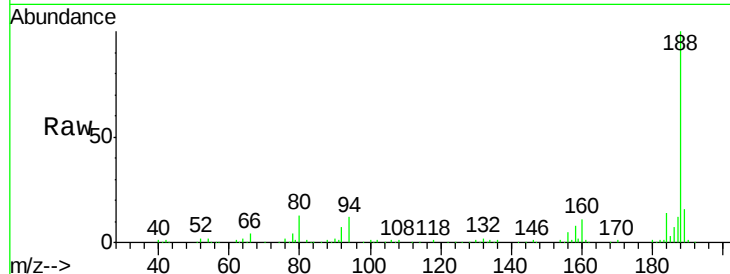




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.05 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

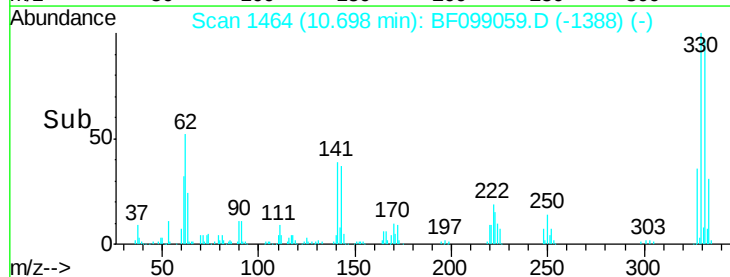
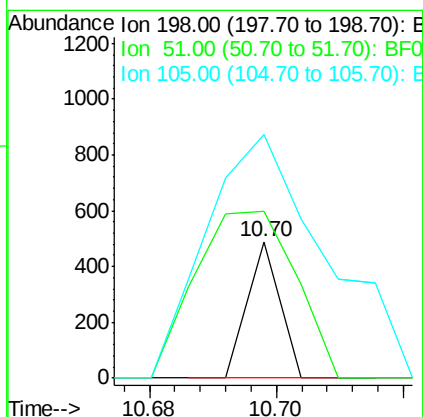
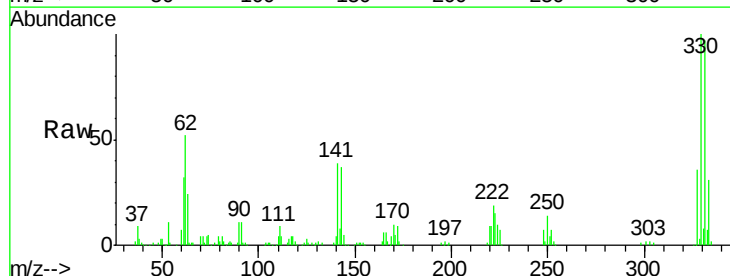
Instrument :
BNA_F
ClientSampleId :

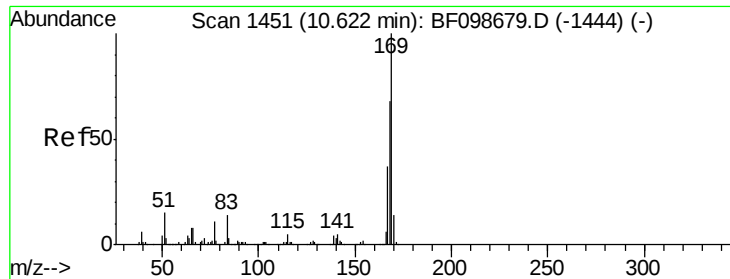
Tot Ion:188 Resp: 217890
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 0.13 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.15 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Tgt Ion:198 Resp: 172
Ion Ratio Lower Upper
198 100
51 123.0 37.7 77.7#
105 178.9 36.3 76.3#

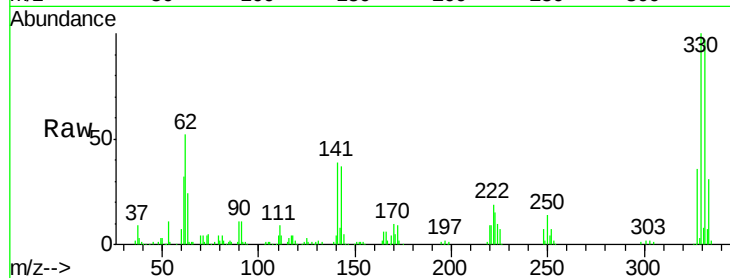




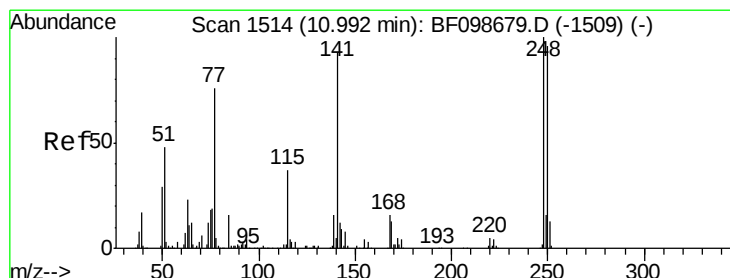
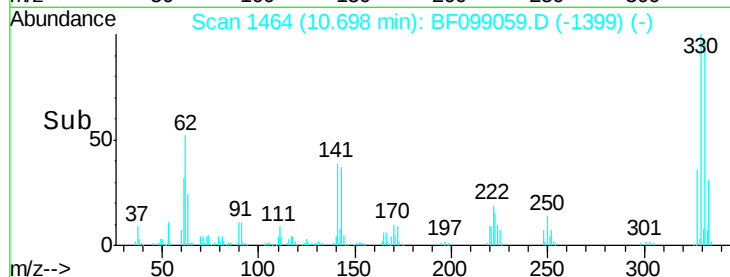
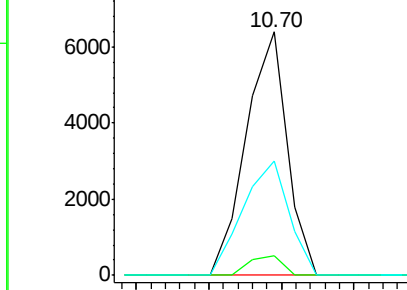
#65
 n-Nitrosodiphenylamine
 Concen: 0.67 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.08 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 5075
 Ion Ratio Lower Upper
 169 100
 168 8.2 54.4 81.6#
 167 46.9 29.8 44.6#

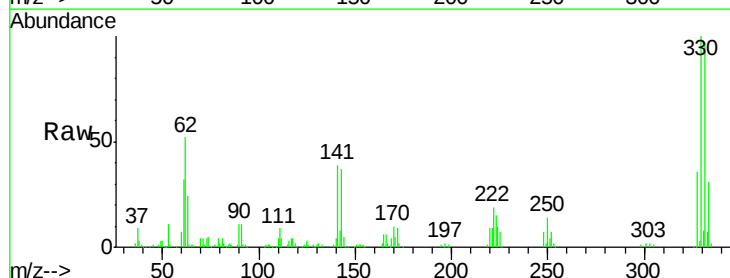


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

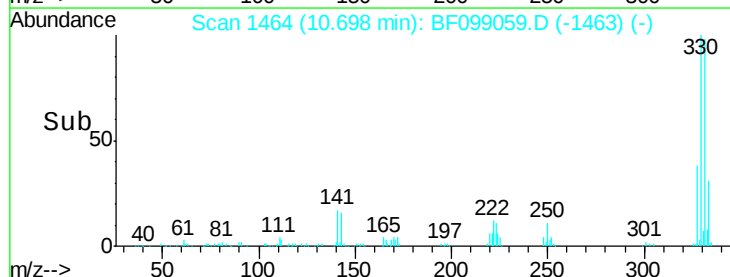
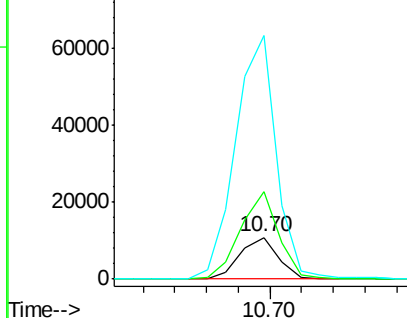


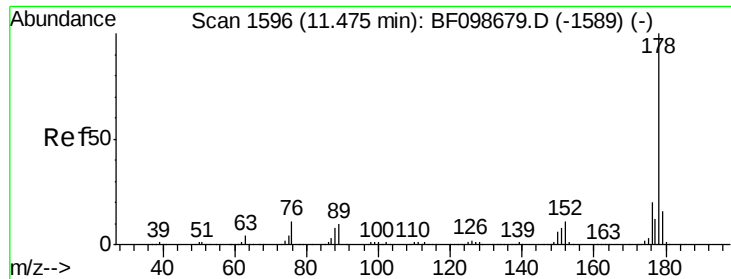
#66
 4-Bromophenyl-phenylether
 Concen: 4.29 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.29 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

Tgt Ion:248 Resp: 9159
 Ion Ratio Lower Upper
 248 100
 250 207.1 76.9 115.3#
 141 579.5 74.4 111.6#



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

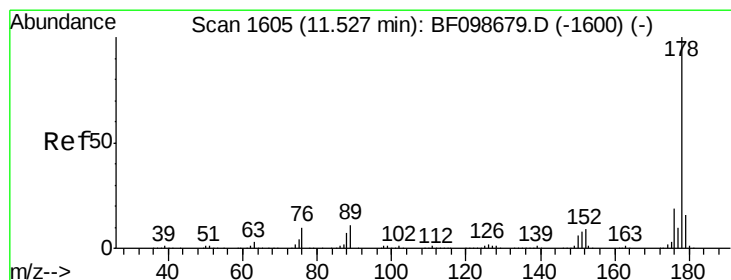
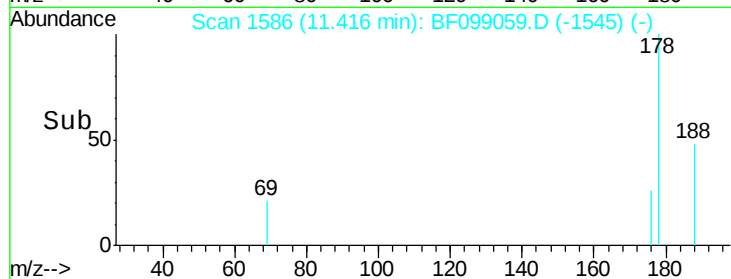
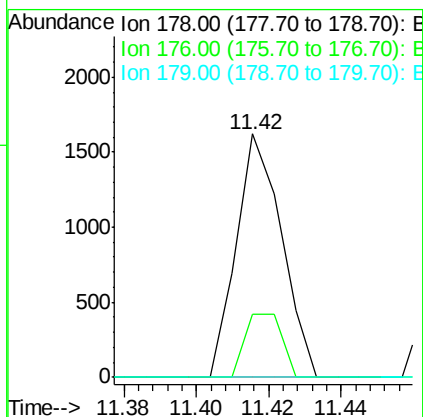
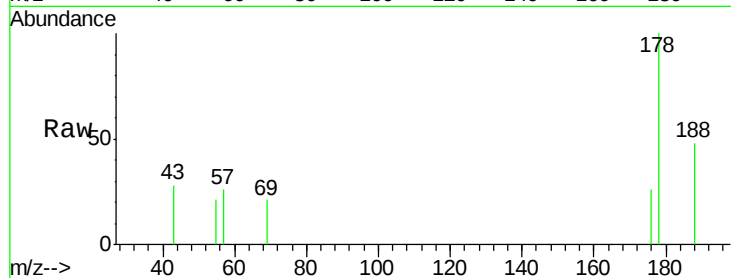




#70
Phenanthrene
Concen: 0.12 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.06 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

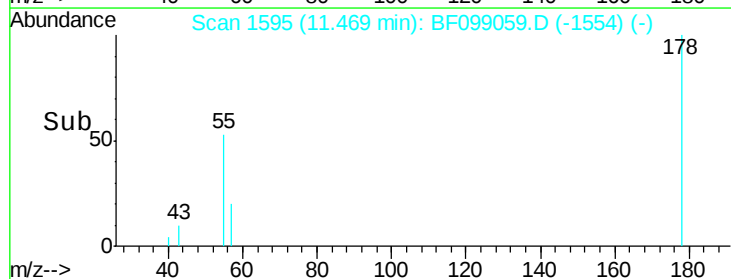
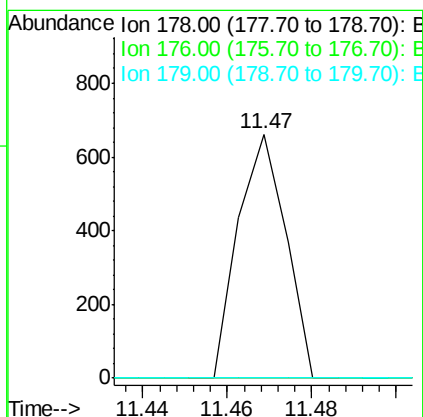
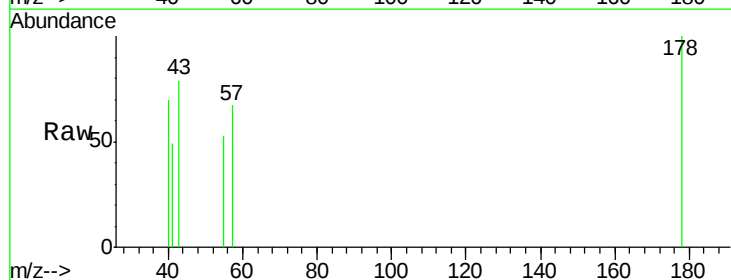
Instrument :
BNA_F
ClientSampleId :

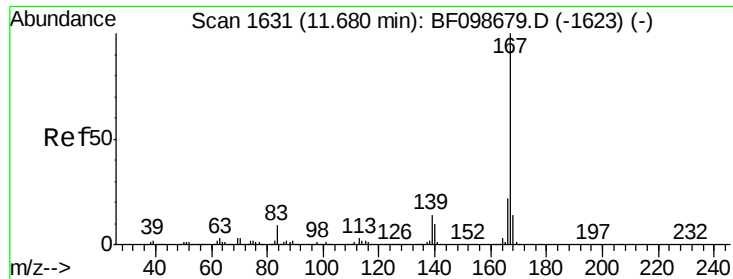
Tot Ion:178 Resp: 1405
Ion Ratio Lower Upper
178 100
176 26.1 15.8 23.8#
179 0.0 13.0 19.6#



#71
Anthracene
Concen: 0.04 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.06 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Tgt Ion:178 Resp: 516
Ion Ratio Lower Upper
178 100
176 0.0 15.4 23.2#
179 0.0 12.6 19.0#

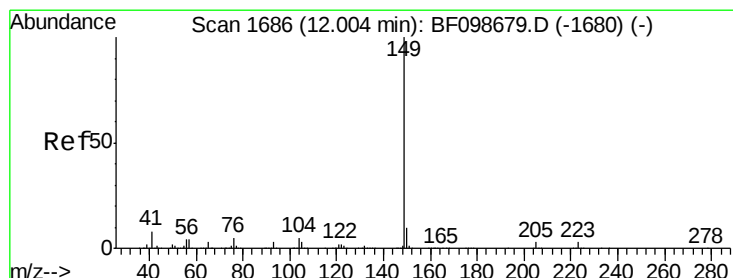
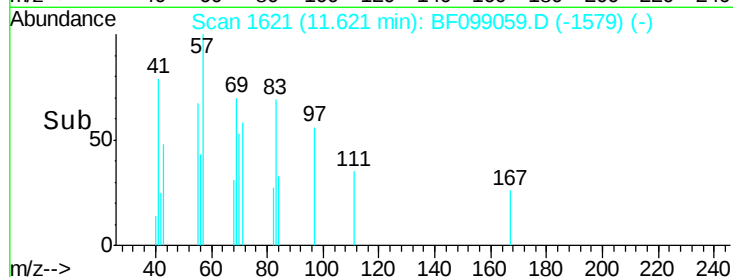
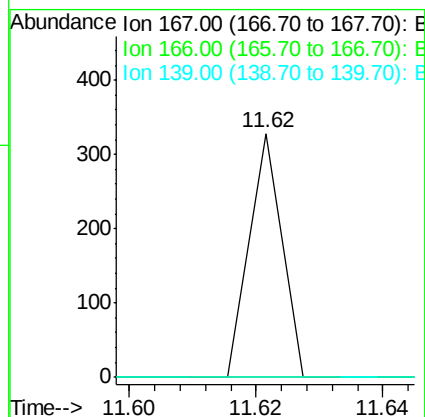
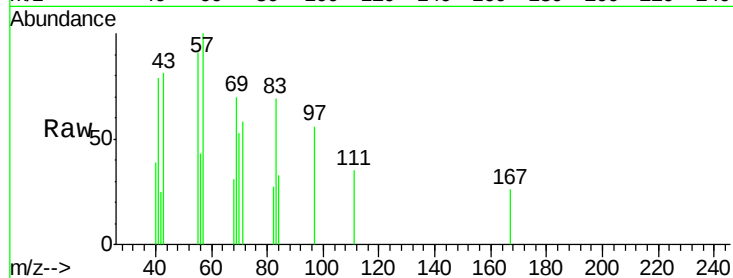




#72
 Carbazole
 Concen: 0.01 ng
 RT: 11.62 min Scan# 1621
 Delta R.T. -0.05 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

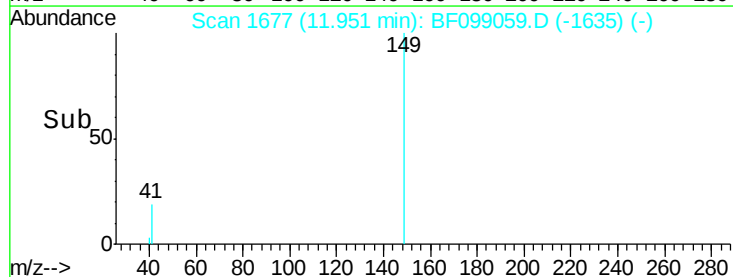
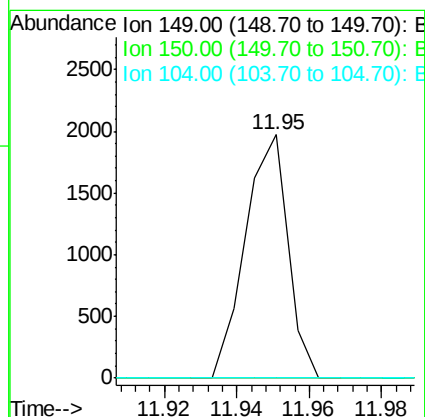
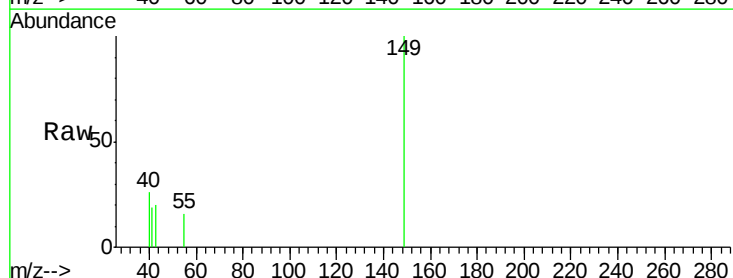
Instrument :
 BNA_F
 ClientSampleId :

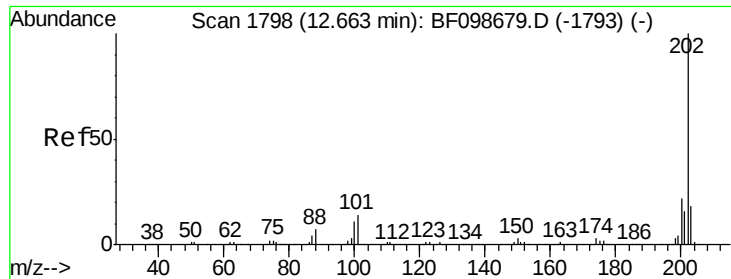
Tot Ion:167 Resp: 116
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.6 26.4#
 139 0.0 10.9 16.3#



#73
 Di-n-butylphthalate
 Concen: 0.11 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. -0.05 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

Tgt Ion:149 Resp: 1603
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.8 11.6#
 104 0.0 3.8 5.8#

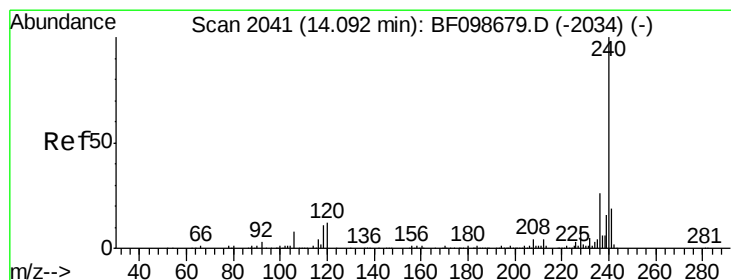
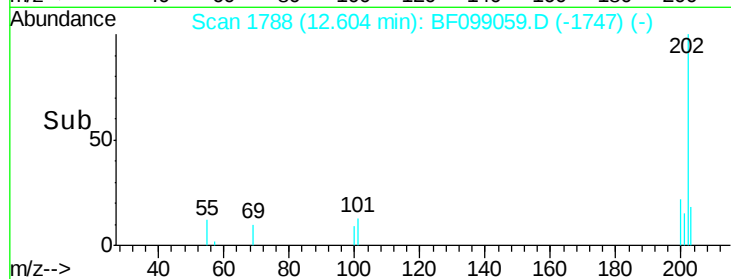
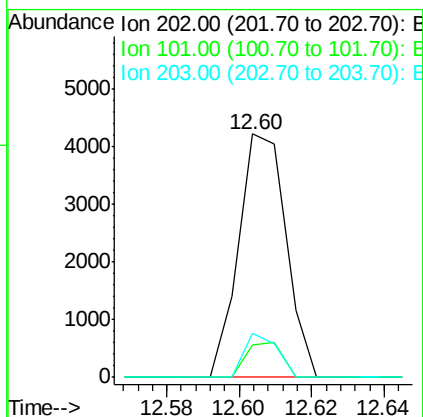
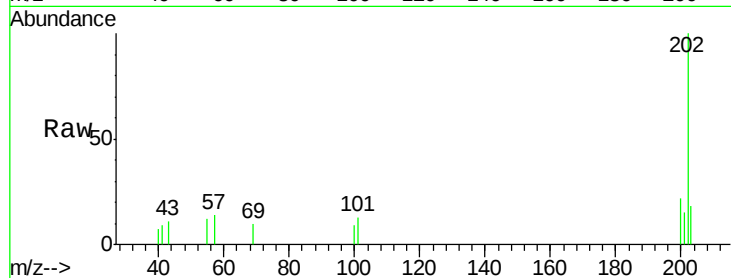




#74
 Fluoranthene
 Concen: 0.32 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. -0.06 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

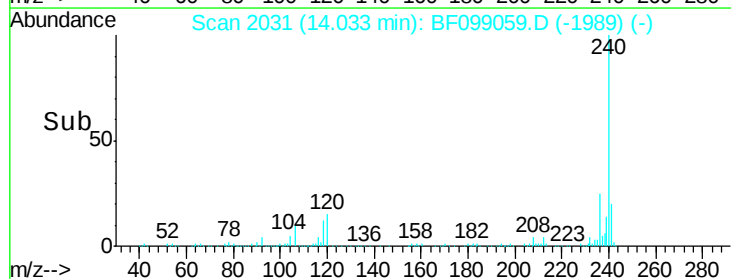
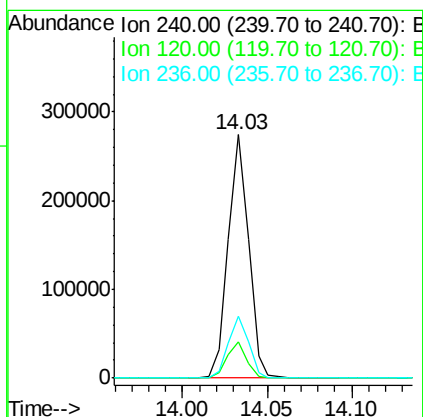
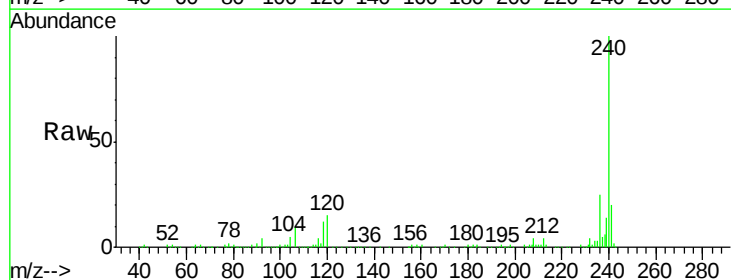
Instrument :
 BNA_F
 ClientSampled :

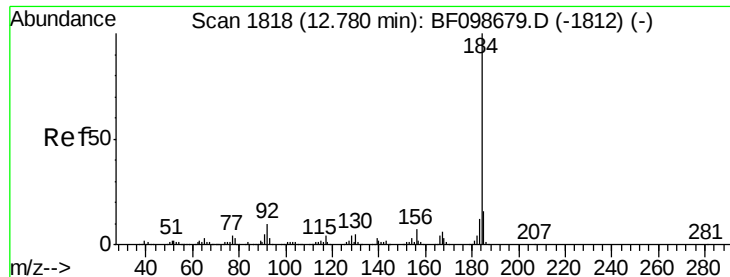
Tot Ion:202 Resp: 3828
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 34.1
 203 18.0 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.05 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

Tgt Ion:240 Resp: 230732
 Ion Ratio Lower Upper
 240 100
 120 14.6 9.5 14.3#
 236 25.4 20.7 31.1





#76

Benzidine

Concen: 1.09 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.20 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

BNA_F

ClientSampleId :

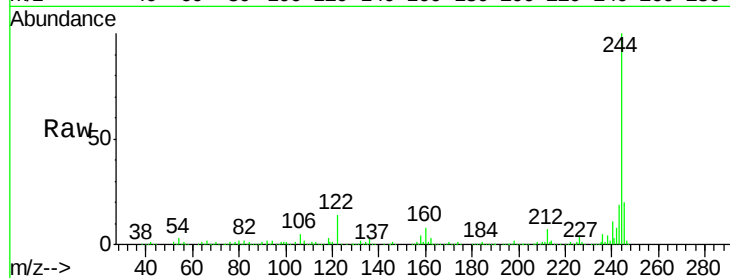
Tot Ion:184 Resp: 9276

Ion Ratio Lower Upper

184 100

185 20.2 12.6 18.8#

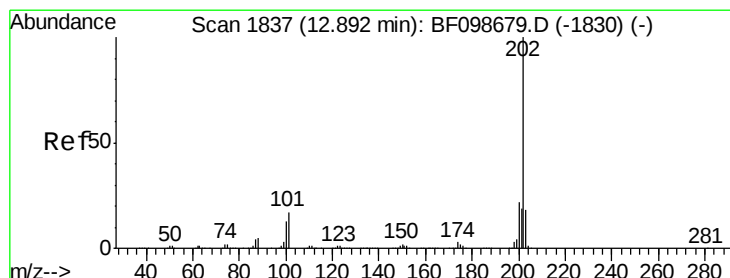
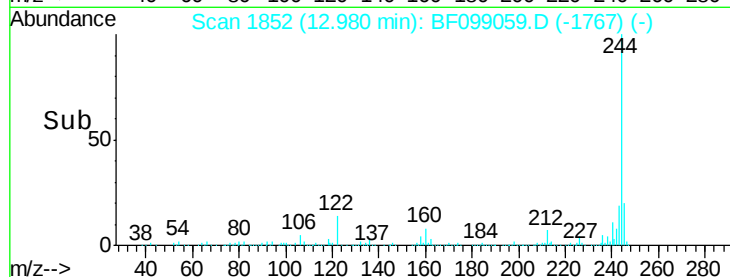
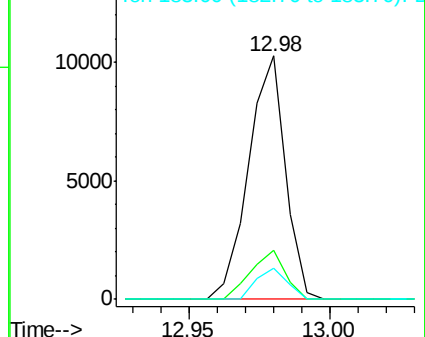
183 13.0 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.23 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.06 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

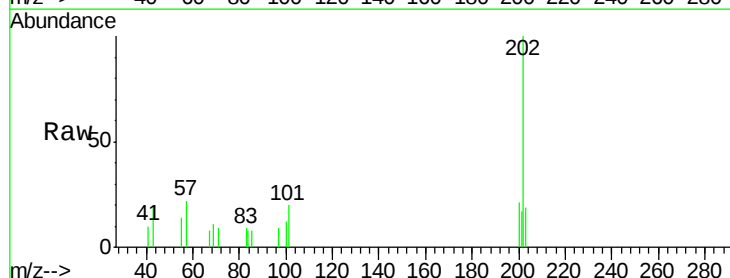
Tgt Ion:202 Resp: 3966

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

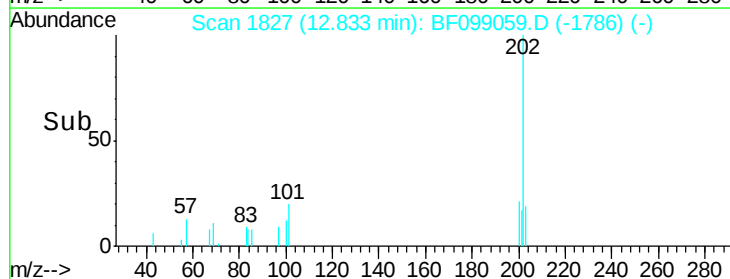
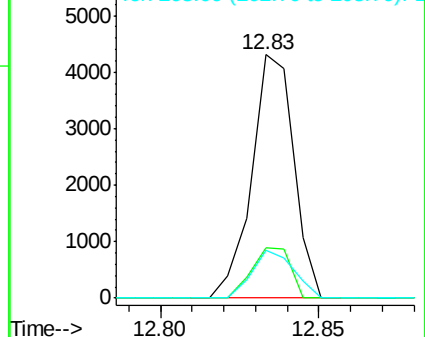
203 19.4 14.3 21.5

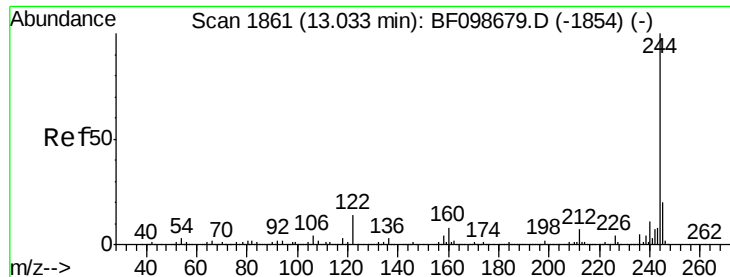


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.64 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

Instrument :

BNA_F

ClientSampleId :

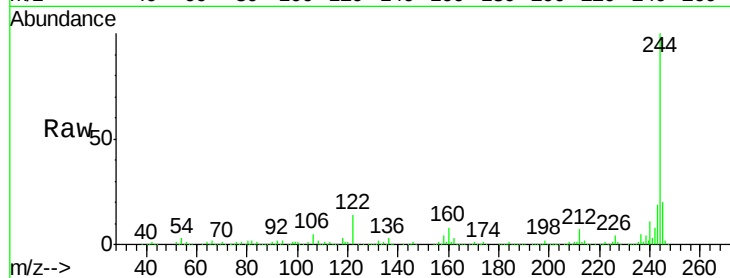
Tot Ion:244 Resp: 686285

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 13.6 11.0 16.4



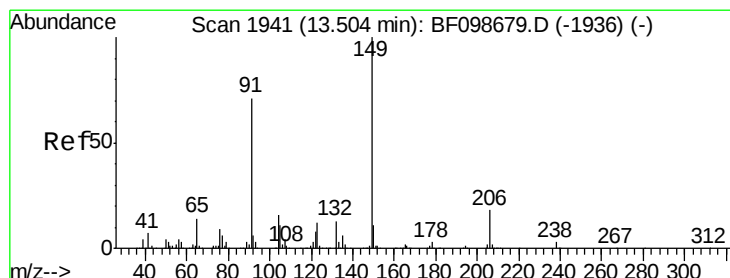
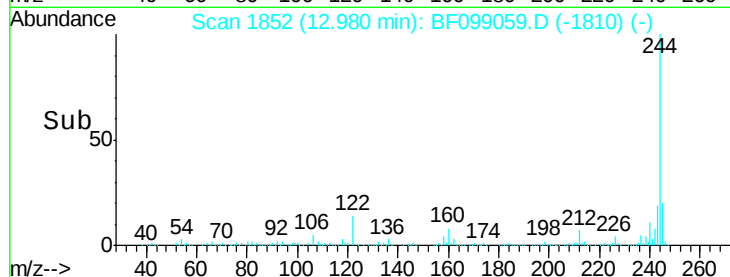
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.98

Time-->



#79

Butylbenzylphthalate

Concen: 0.10 ng

RT: 13.45 min Scan# 1932

Delta R.T. -0.05 min

Lab File: BF099059.D

Acq: 4 Oct 2017 4:38

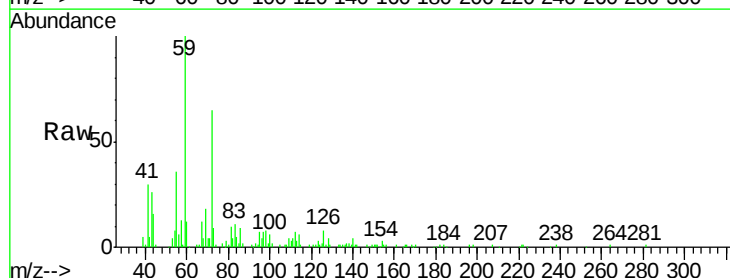
Tgt Ion:149 Resp: 864

Ion Ratio Lower Upper

149 100

91 190.1 56.8 85.2#

206 0.0 14.1 21.1#



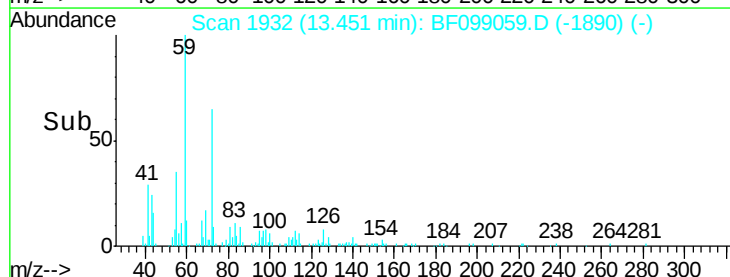
Abundance Ion 149.00 (148.70 to 149.70): E

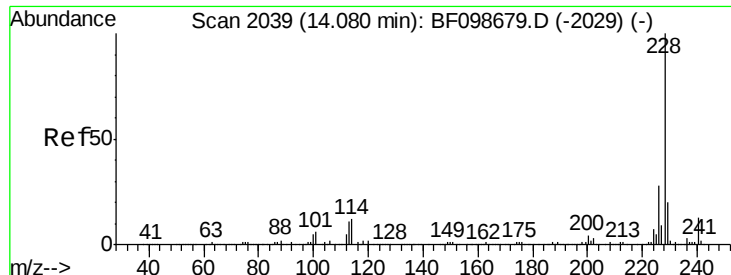
Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

13.45

Time-->

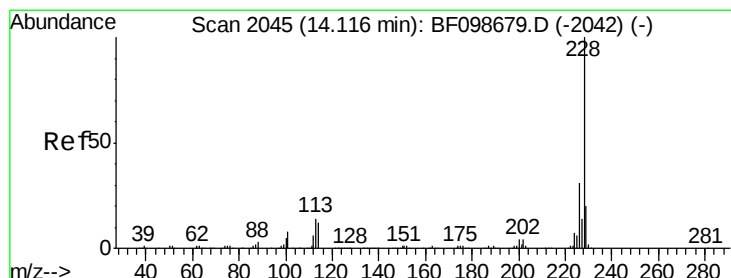
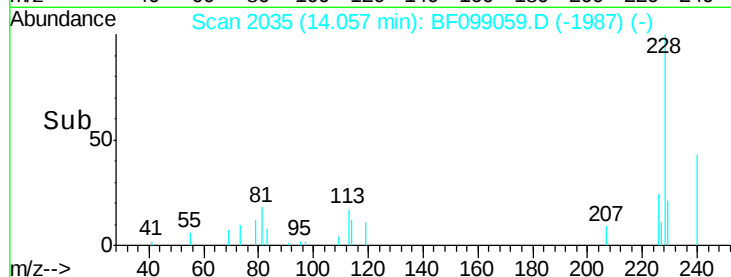
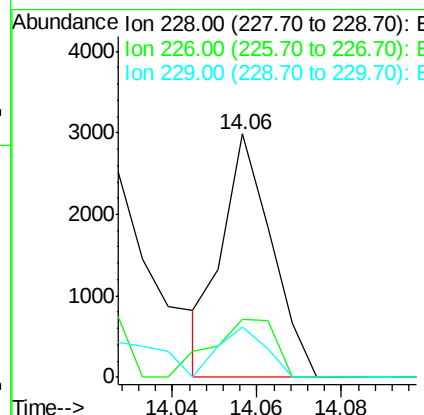
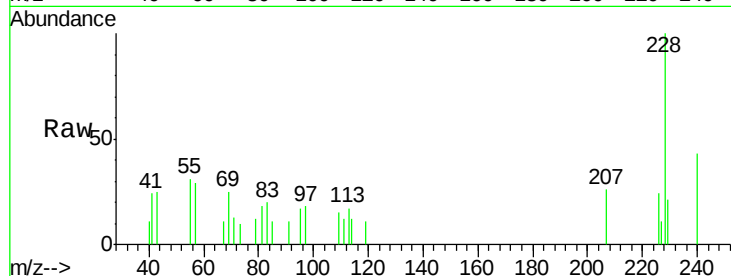




#80
Benzo(a)anthracene
Concen: 0.17 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

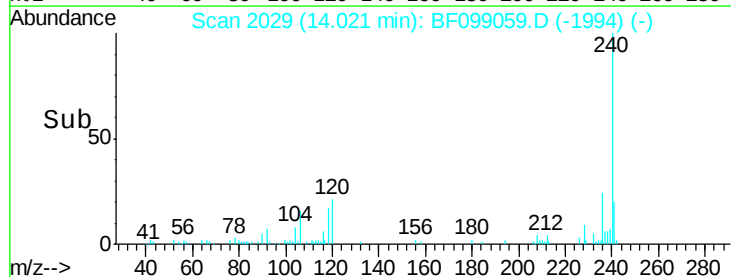
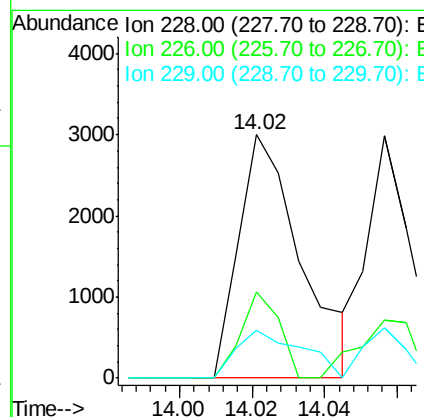
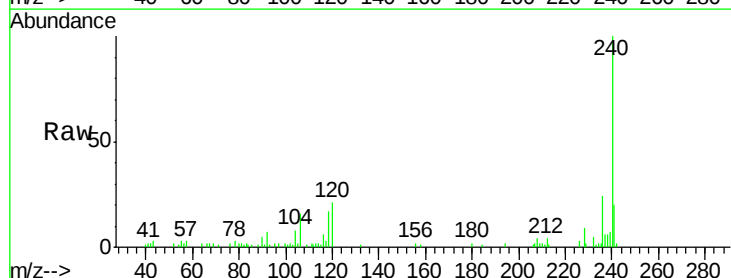
Instrument :
BNA_F
ClientSampleId :

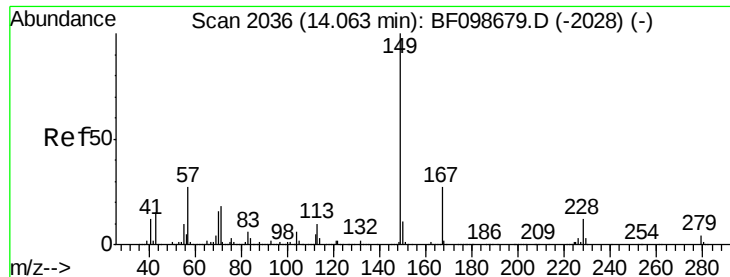
Tot Ion:228 Resp: 2407
Ion Ratio Lower Upper
228 100
226 23.9 22.6 33.8
229 20.8 15.8 23.6



#82
Chrysene
Concen: 0.27 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.09 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Tgt Ion:228 Resp: 3587
Ion Ratio Lower Upper
228 100
226 35.7 25.0 37.6
229 19.4 16.2 24.4

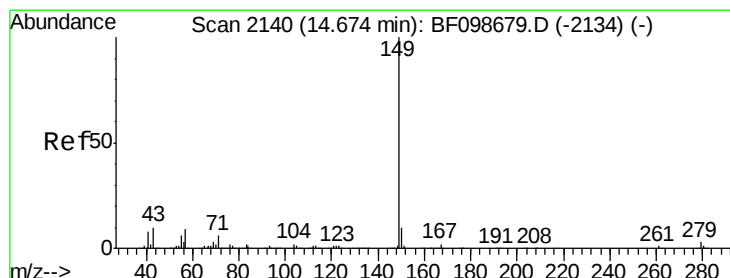
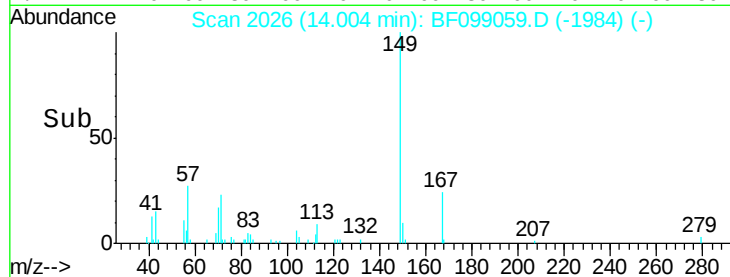
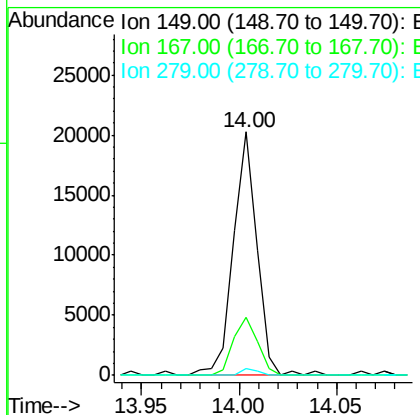
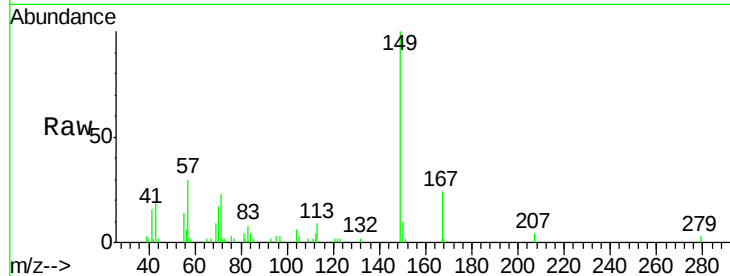




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.50 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.05 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

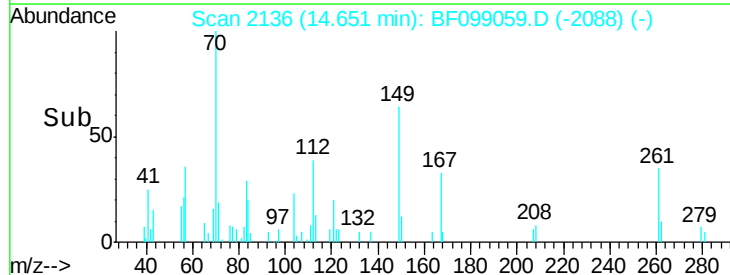
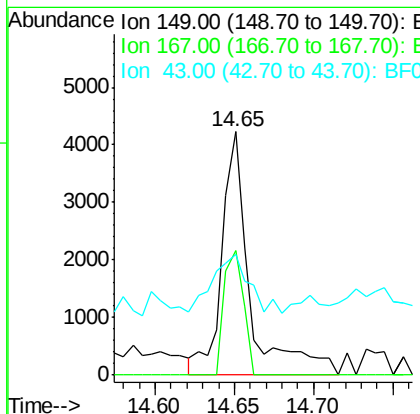
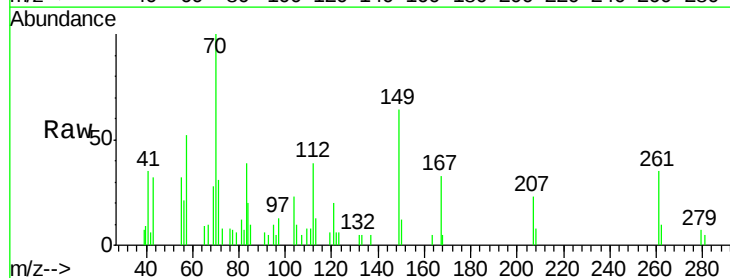
Instrument :
 BNA_F
 ClientSampleId :

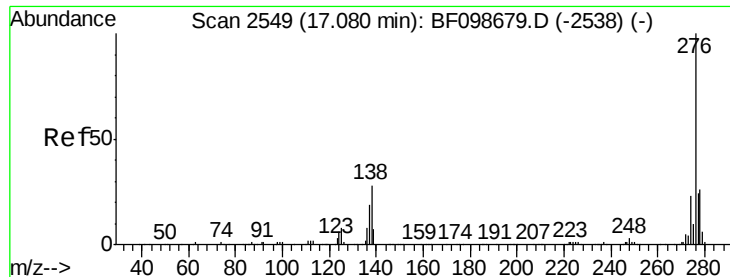
Tot Ion:149 Resp: 17091
 Ion Ratio Lower Upper
 149 100
 167 24.1 21.3 31.9
 279 2.9 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 0.28 ng
 RT: 14.65 min Scan# 2136
 Delta R.T. -0.02 min
 Lab File: BF099059.D
 Acq: 4 Oct 2017 4:38

Tgt Ion:149 Resp: 5195
 Ion Ratio Lower Upper
 149 100
 167 35.1 1.2 1.8#
 43 31.2 8.4 12.6#

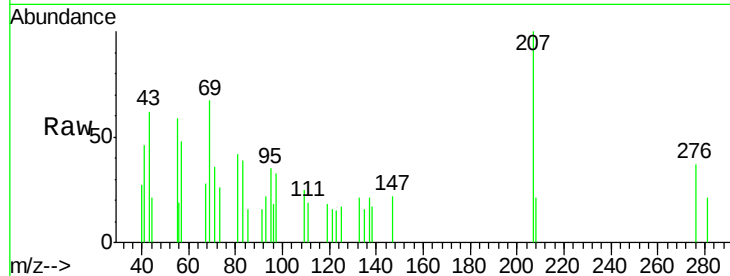




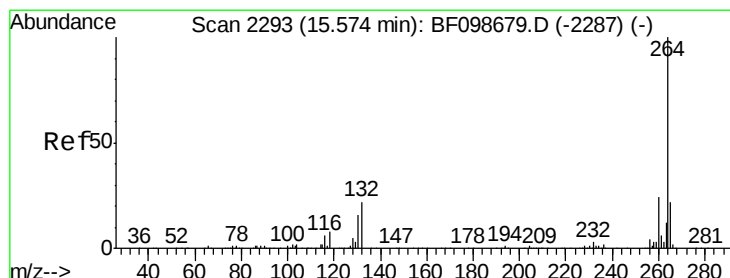
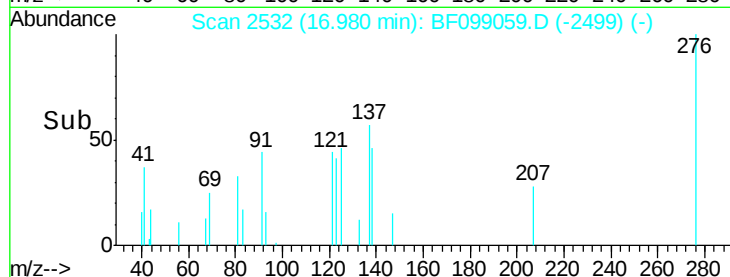
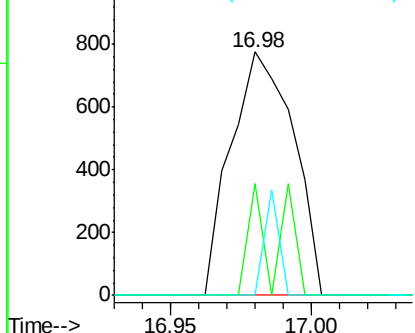
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.11 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.11 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:276 Resp: 1188
Ion Ratio Lower Upper
276 100
138 21.2 25.0 37.6#
277 10.0 20.1 30.1#

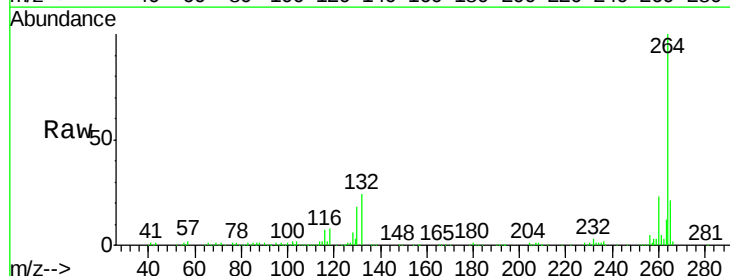


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

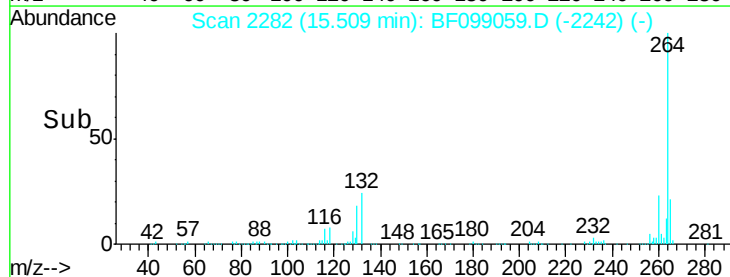
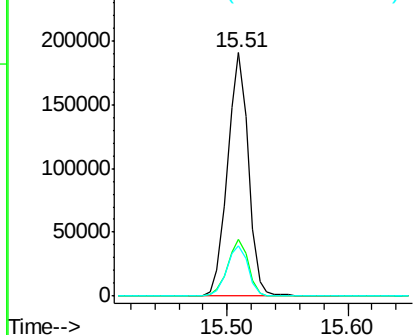


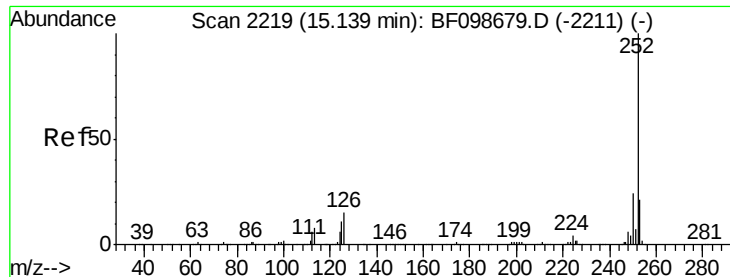
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.06 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Tgt Ion:264 Resp: 228203
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 20.8 17.5 26.3



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

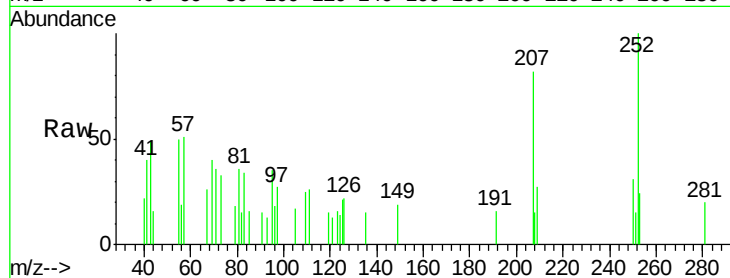




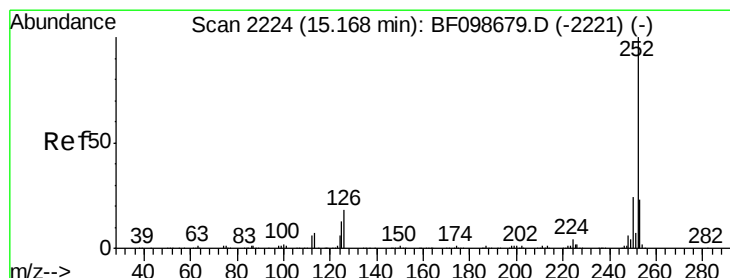
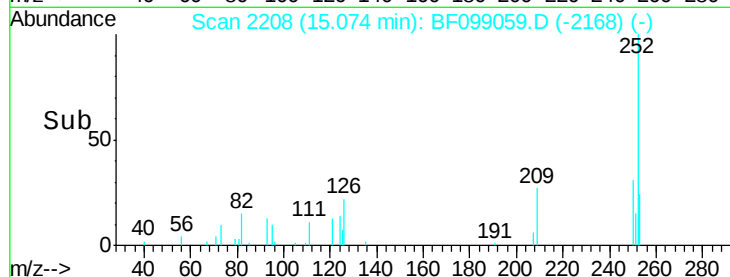
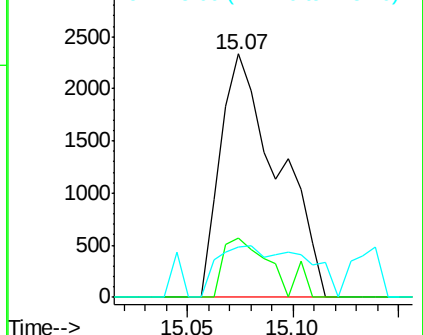
#87
Benzo(b)fluoranthene
Concen: 0.31 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.06 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 4408
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.6
125 20.6 9.0 13.6#

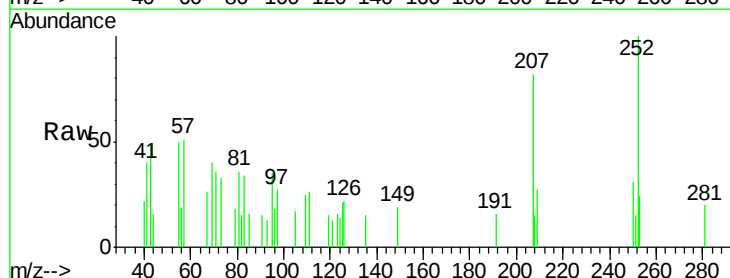


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

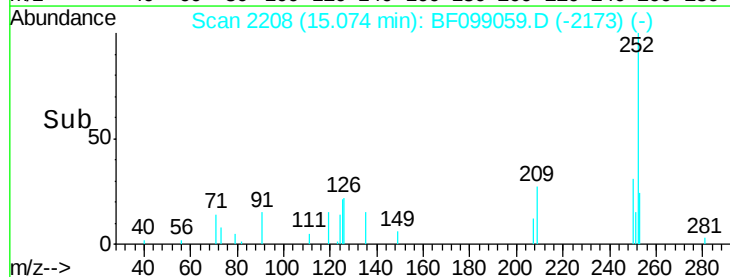
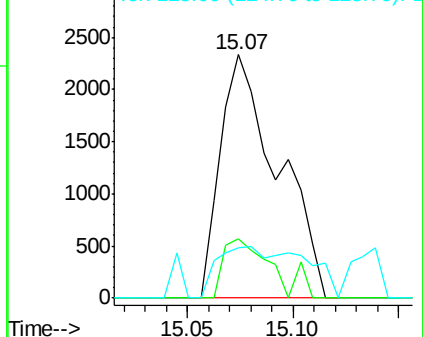


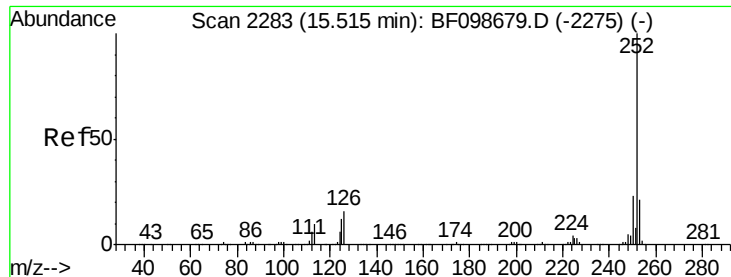
#88
Benzo(k)fluoranthene
Concen: 0.32 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.09 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Tgt Ion:252 Resp: 4408
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 20.6 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

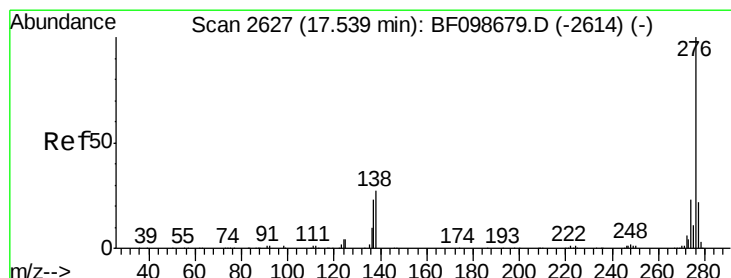
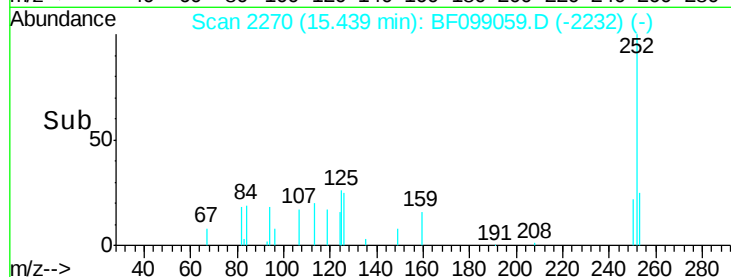
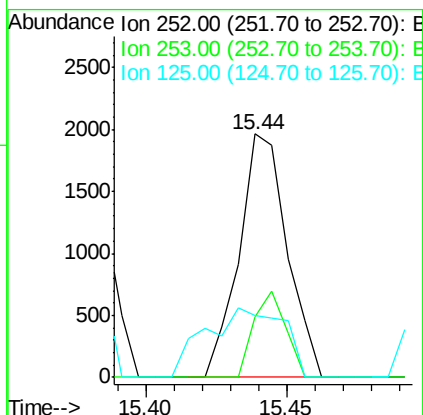
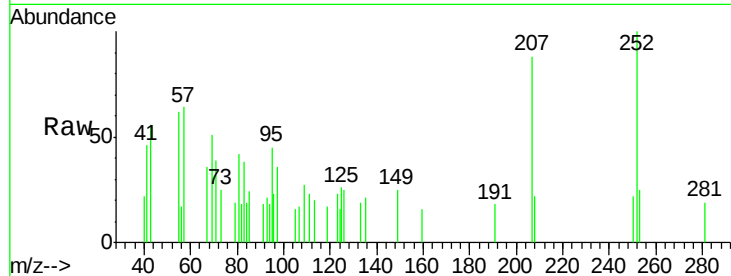




#89
Benzo(a)pyrene
Concen: 0.18 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.08 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 2316
Ion Ratio Lower Upper
252 100
253 25.1 17.1 25.7
125 25.6 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 0.11 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.11 min
Lab File: BF099059.D
Acq: 4 Oct 2017 4:38

Tgt Ion:276 Resp: 1083
Ion Ratio Lower Upper
276 100
277 0.0 17.9 26.9#
138 56.6 21.8 32.8#

