

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093686.D
 Acq On : 15 Mar 2017 23:38
 Operator : SJ/MA
 Sample : I2264-03 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB7-SSW

Quant Time: Mar 16 01:45:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	159792	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	557349	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	205724	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	269498	20.00	ng	0.01
75) Chrysene-d12	13.91	240	242073	20.00	ng	0.02
86) Perylene-d12	15.32	264	339604	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	660111	68.75	ng	-0.01
7) Phenol-d6	6.37	99	927669	76.62	ng	-0.01
23) Nitrobenzene-d5	7.28	82	511931	50.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	84573	63.10	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	642367	58.08	ng	0.00
78) Terphenyl-d14	12.84	244	371052	39.85	ng	0.01

Target Compounds						Qvalue
9) Benzaldehyde	6.30	77	49967	4.62	ng	# 1
10) Phenol	6.39	94	109608	7.39	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.20	45	162506	8.16	ng	# 1
17) 2-Methylphenol	7.02	107	27935	3.07	ng	# 68
18) Hexachloroethane	7.20	117	23508	5.53	ng	# 1
19) n-Nitroso-di-n-propylamine	7.05	70	19476	2.34	ng	# 1
20) 3+4-Methylphenols	7.17	107	148745	12.61	ng	# 71
22) Acetophenone	7.10	105	123917	9.24	ng	# 38
24) Nitrobenzene	7.36	77	25927	2.30	ng	# 46
25) Isophorone	7.51	82	69809	3.45	ng	# 1
27) 2,4-Dimethylphenol	7.89	122	18089	2.16	ng	93
31) Naphthalene	8.02	128	751066	26.89	ng	99
32) Benzoic acid	7.83	122	63089	14.49	ng	# 56
33) 4-Chloroaniline	8.02	127	135434	11.95	ng	# 45
35) Caprolactam	8.44	113	98213	36.48	ng	# 1
37) 2-Methylnaphthalene	8.72	142	458804	25.82	ng	98
45) 1,1'-Biphenyl	9.19	154	139796	9.33	ng	100
48) Acenaphthylene	9.62	152	103635	5.48	ng	# 66
49) Dimethylnaphthalate	9.49	163	129163	9.47	ng	98
50) 2,6-Dinitrotoluene	9.52	165	9283	3.10	ng	# 67
51) Acenaphthene	9.80	154	698131	62.40	ng	97
52) 3-Nitroaniline	9.73	138	9981	2.78	ng	# 27
54) Dibenzofuran	9.97	168	475474	33.96	ng	# 91
55) 4-Nitrophenol	9.91	139	8477	4.85	ng	# 21
56) 2,4-Dinitrotoluene	9.97	165	12657	3.44	ng	# 25
57) Fluorene	10.31	166	750514	63.25	ng	96
65) n-Nitrosodiphenylamine	10.42	169	154579	17.18	ng	97
70) Phenanthrene	11.29	178	4614692	299.99	ng	99
71) Anthracene	11.34	178	1640420	105.42	ng	100
72) Carbazole	11.50	167	609610	41.70	ng	99
74) Fluoranthene	12.49	202	4124826	277.60	ng	96
77) Pyrene	12.72	202	4386964	249.18	ng	96
80) Benzo(a)anthracene	13.95	228	2220938	155.36	ng	91
82) Chrysene	13.95	228	2204152	166.65	ng	95

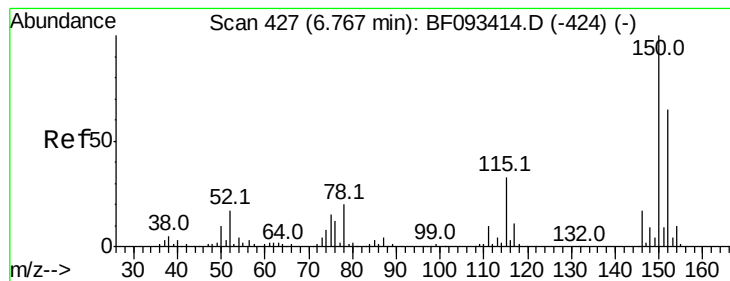
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Indeno(1,2,3-cd)pyrene	16.69	276	1357042	122.57	nq	95
87) Benzo(b)fluoranthene	14.93	252	3974579	192.17	nq	98
88) Benzo(k)fluoranthene	14.93	252	3974579	199.27	nq #	97
89) Benzo(a)pyrene	15.27	252	2434851	128.81	nq	98
90) Dibenzo(a,h)anthracene	16.83	278	337951	21.61	nq	98
91) Benzo(a,h,i)perylene	17.09	276	1306819	81.42	nq #	87

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampleId :

E2-BB7-SSW

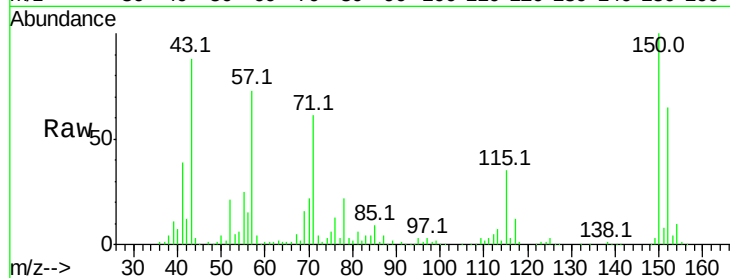
Tot Ion:152 Resp: 159792

Ion Ratio Lower Upper

152 100

150 154.4 124.9 187.3

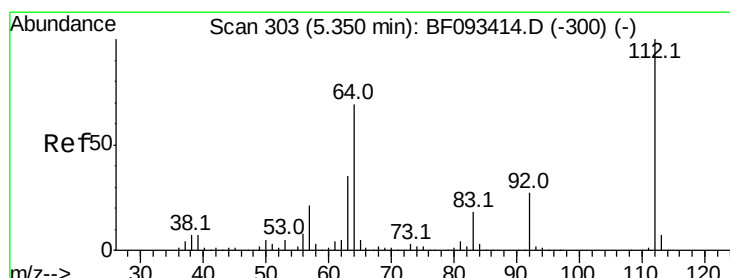
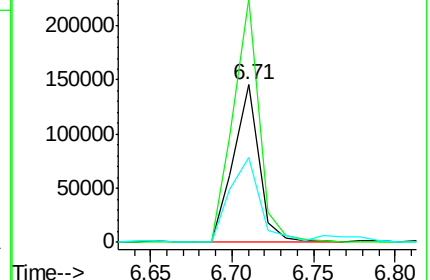
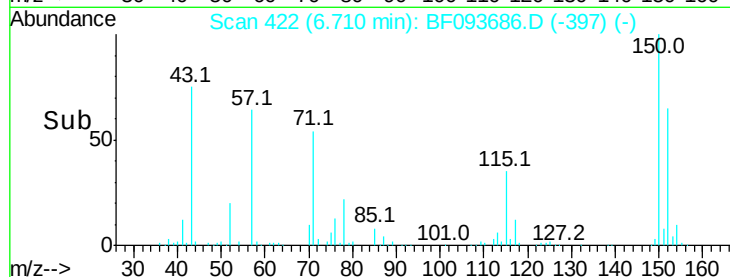
115 54.2 46.0 69.0



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: 68.75 ng

RT: 5.30 min Scan# 299

Delta R.T. -0.01 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

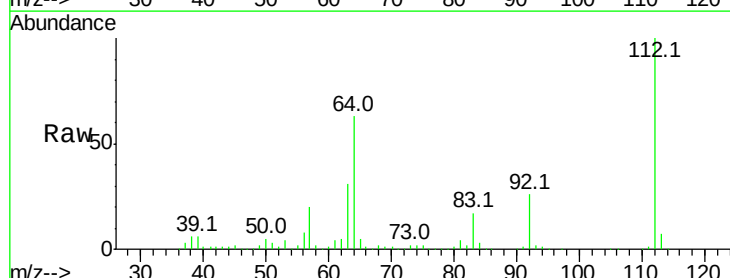
Tgt Ion:112 Resp: 660111

Ion Ratio Lower Upper

112 100

64 62.6 46.1 69.1

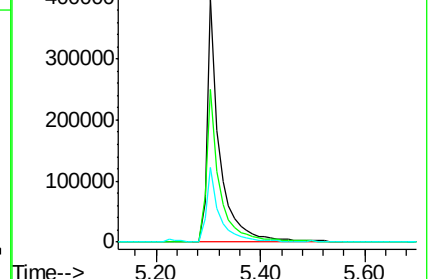
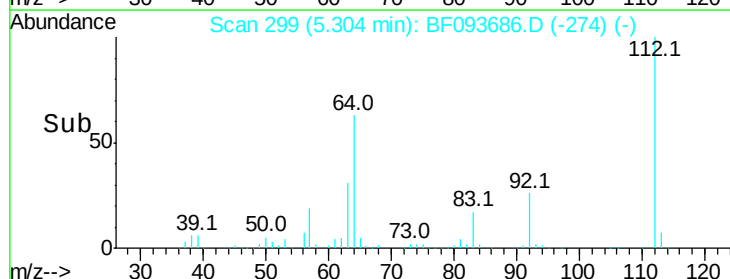
63 30.7 23.8 35.6

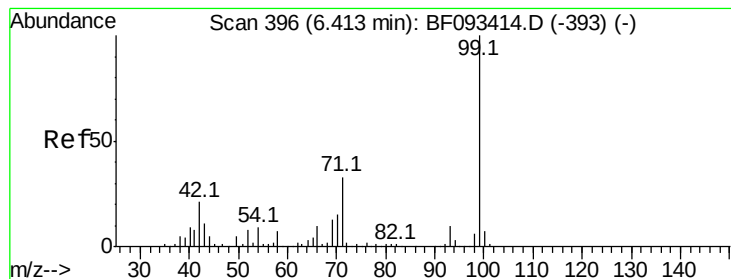


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 76.62 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampled :

E2-BB7-SSW

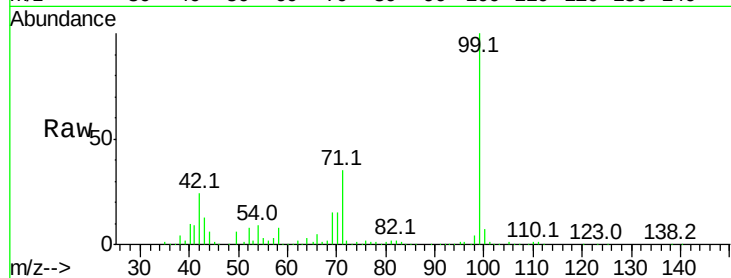
Tot Ion: 99 Resp: 927669

Ion Ratio Lower Upper

99 100

42 23.7 15.6 23.4#

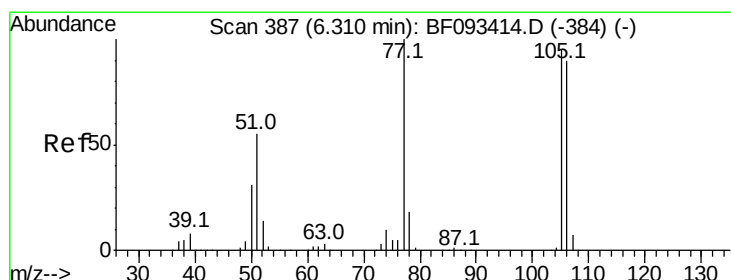
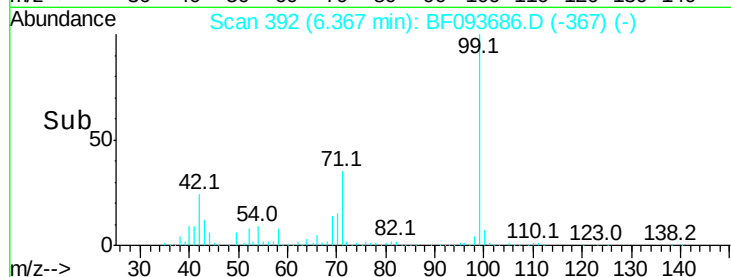
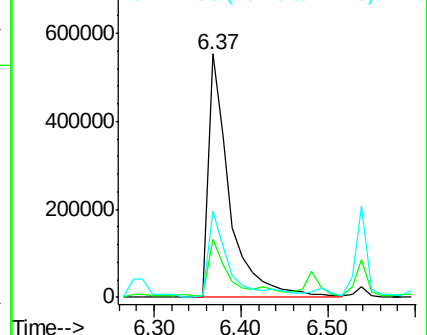
71 35.3 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.62 ng

RT: 6.30 min Scan# 386

Delta R.T. 0.02 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

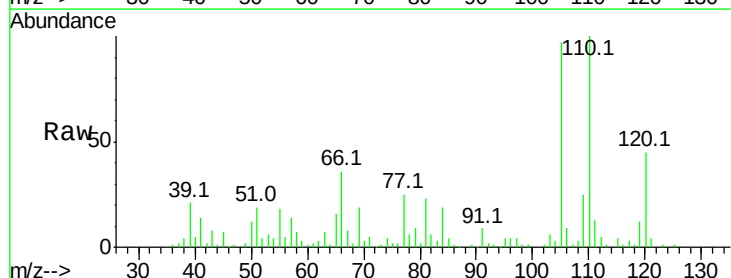
Tgt Ion: 77 Resp: 49967

Ion Ratio Lower Upper

77 100

105 384.3 83.9 123.9#

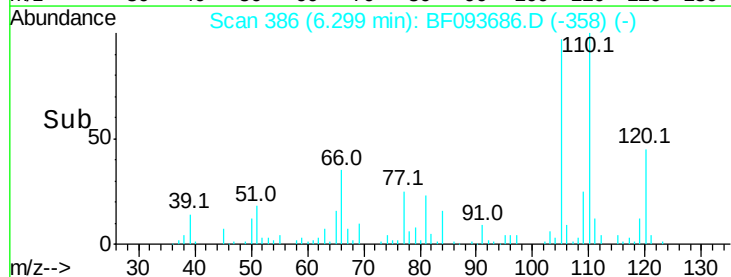
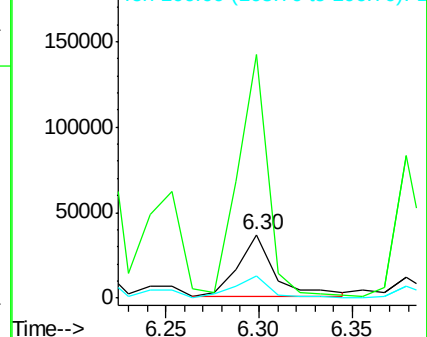
106 34.6 77.6 117.6#

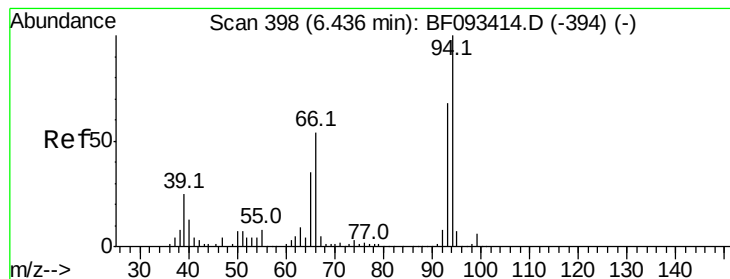


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 7.39 ng

RT: 6.39 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampled :

E2-BB7-SSW

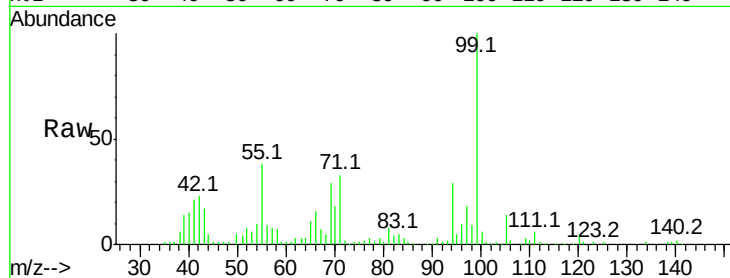
Tot Ion: 94 Resp: 109608

Ion Ratio Lower Upper

94 100

65 36.9 21.4 61.4

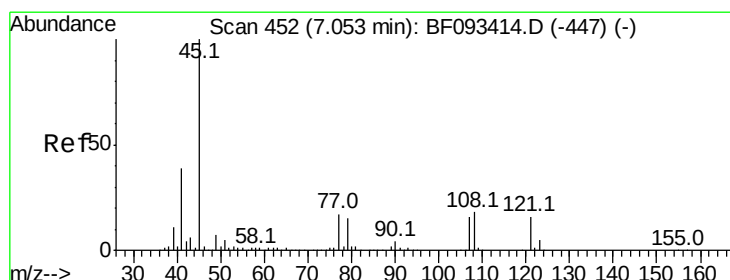
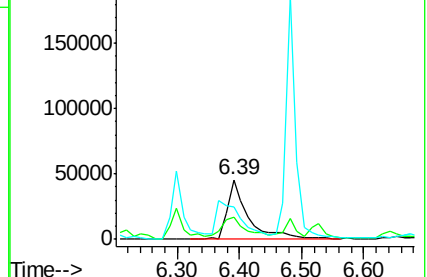
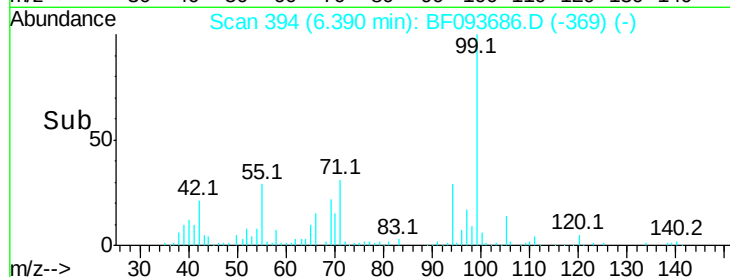
66 54.6 44.0 84.0



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 8.16 ng

RT: 7.20 min Scan# 465

Delta R.T. 0.19 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

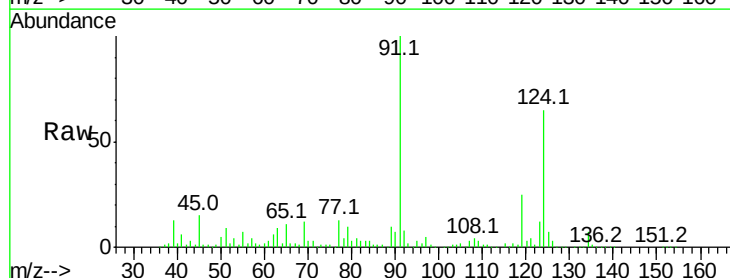
Tgt Ion: 45 Resp: 162506

Ion Ratio Lower Upper

45 100

77 86.5 0.0 34.6#

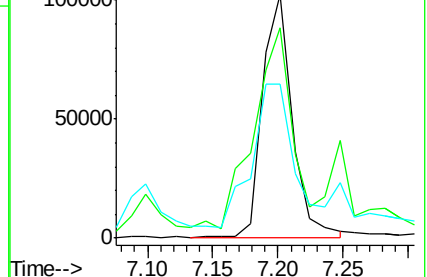
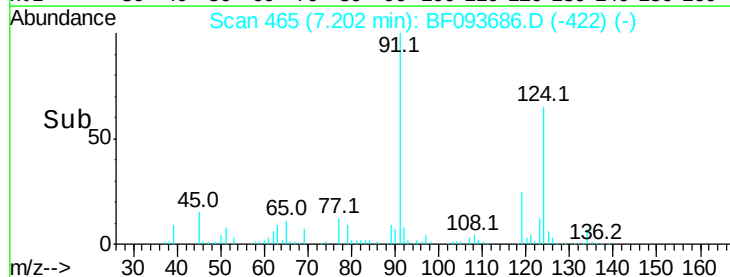
79 63.0 0.0 31.2#

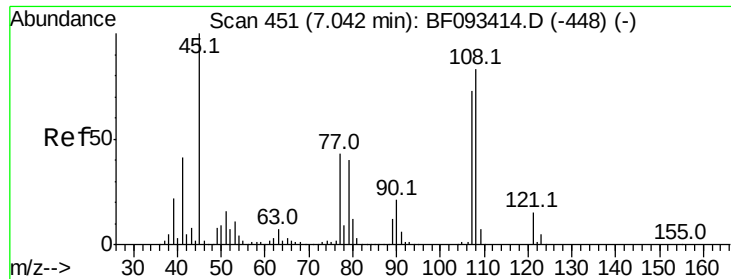


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

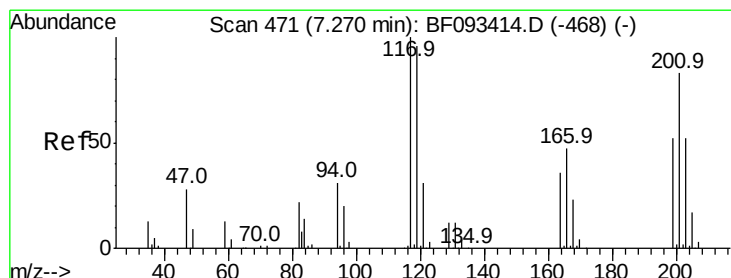
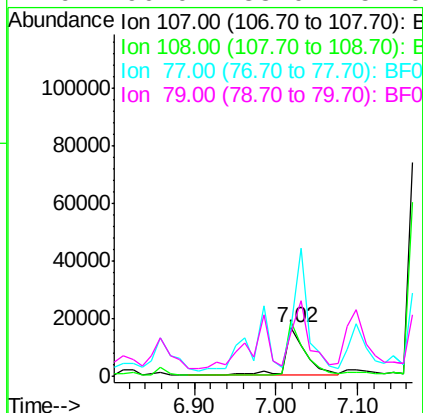
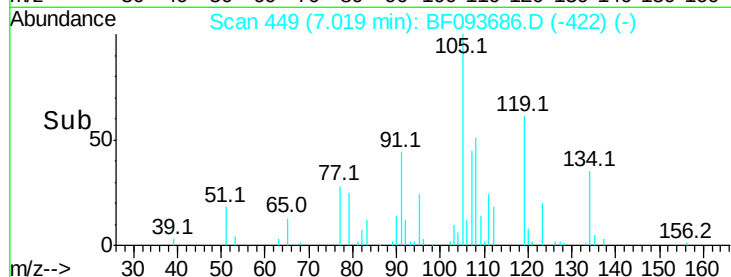
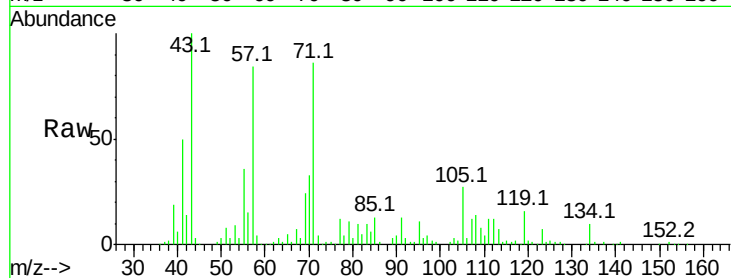




#17
2-Methylphenol
Concen: 3.07 ng
RT: 7.02 min Scan# 449
Delta R.T. 0.01 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

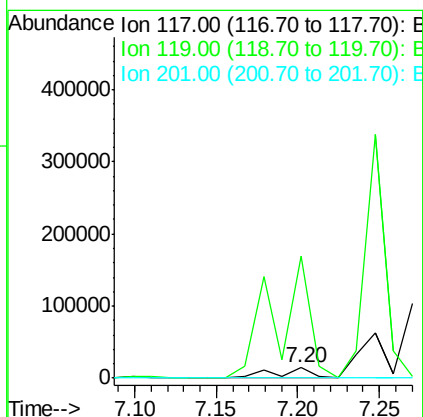
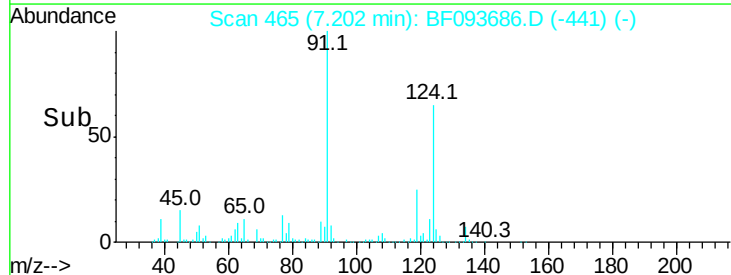
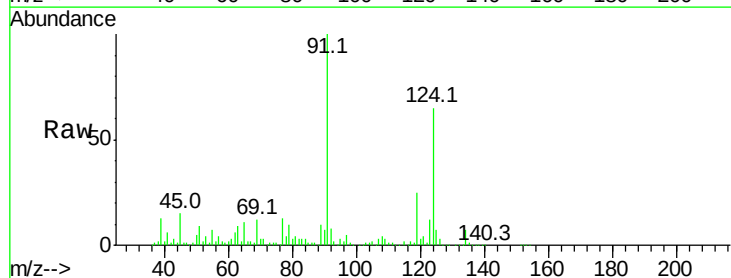
Instrument :
BNA_F
ClientSampleId :
E2-BB7-SSW

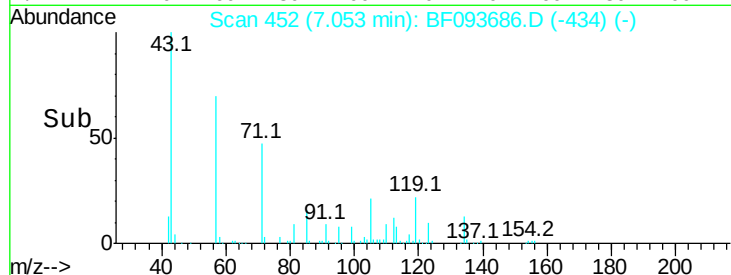
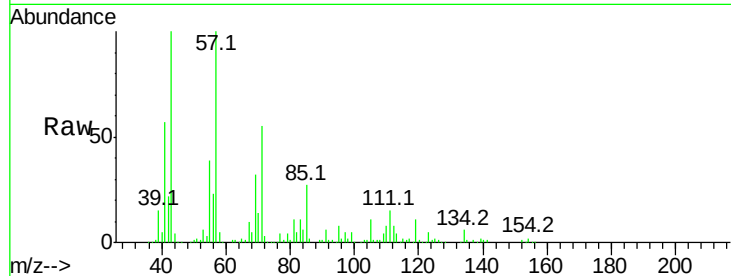
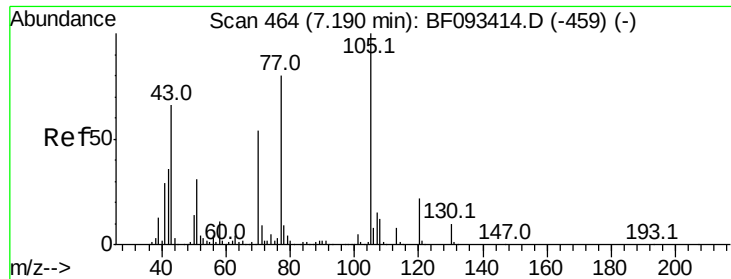
Tot Ion:107 Resp: 27935
Ion Ratio Lower Upper
107 100
108 114.3 93.0 139.6
77 99.1 39.8 59.8#
79 90.0 38.0 57.0#



#18
Hexachloroethane
Concen: 5.53 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

Tgt Ion:117 Resp: 23508
Ion Ratio Lower Upper
117 100
119 1200.2 78.1 117.1#
201 0.0 78.6 117.8#

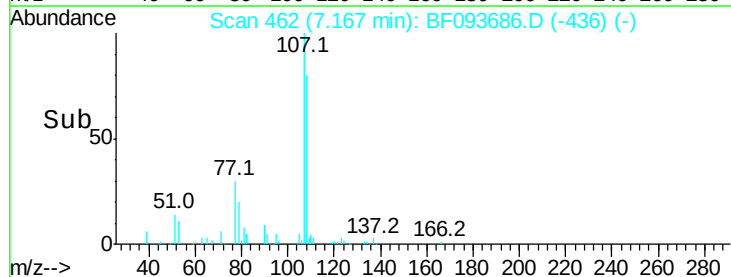
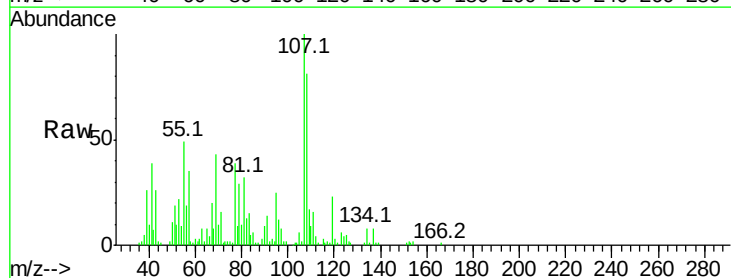
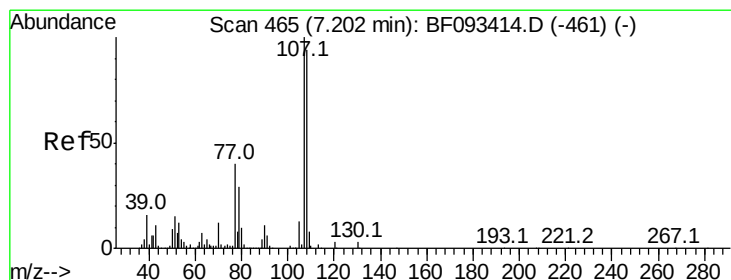
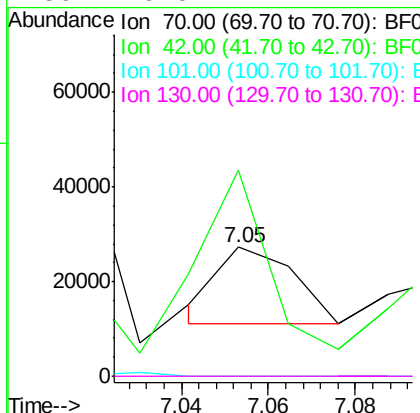




#19
n-Nitroso-di-n-propylamine
Concen: 2.34 ng
RT: 7.05 min Scan# 452
Delta R.T. -0.09 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

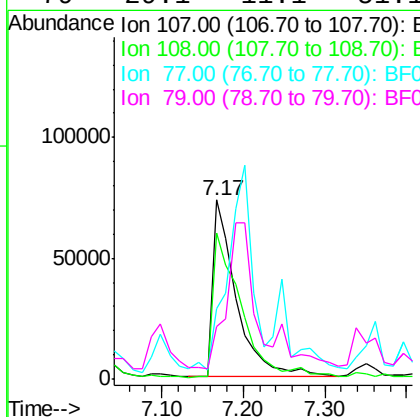
Instrument :
BNA_F
ClientSampleId :
E2-BB7-SSW

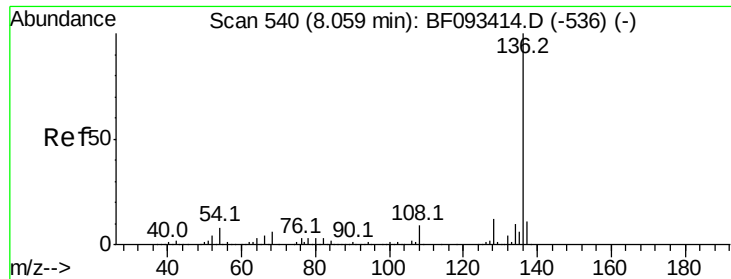
Tot Ion: 70 Resp: 19476
Ion Ratio Lower Upper
70 100
42 159.9 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#20
3+4-Methylphenols
Concen: 12.61 ng
RT: 7.17 min Scan# 462
Delta R.T. 0.00 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

Tgt Ion:107 Resp: 148745
Ion Ratio Lower Upper
107 100
108 81.4 73.0 113.0
77 39.1 71.3 111.3#
79 29.1 11.1 51.1

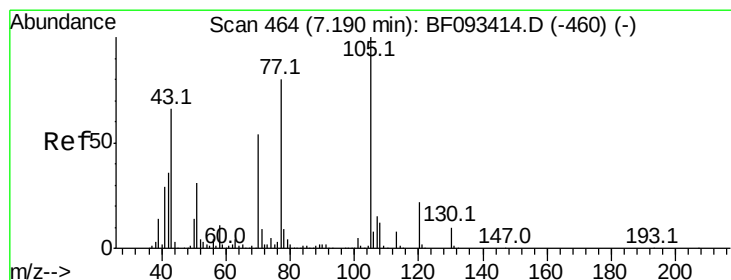
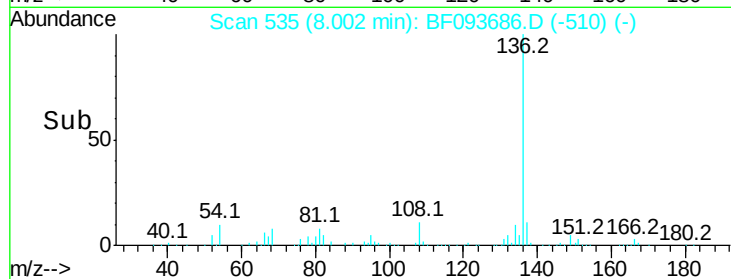
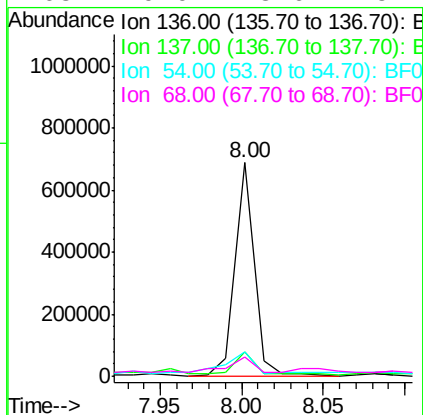
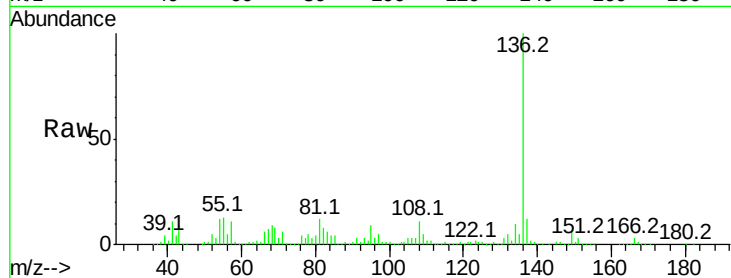




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

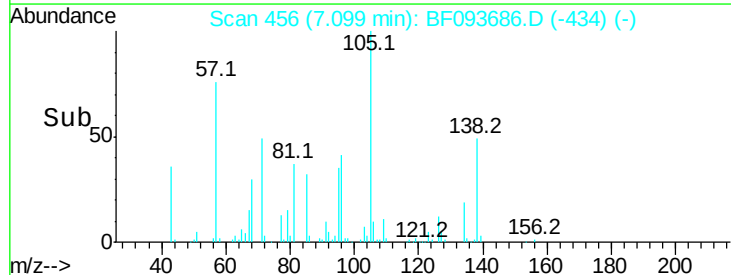
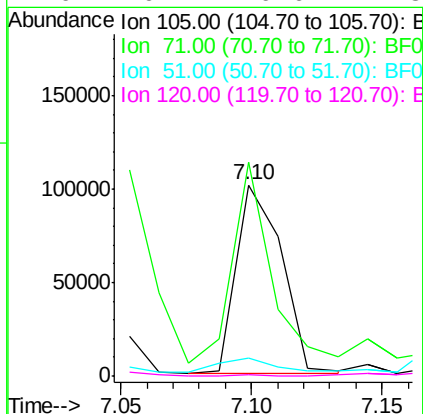
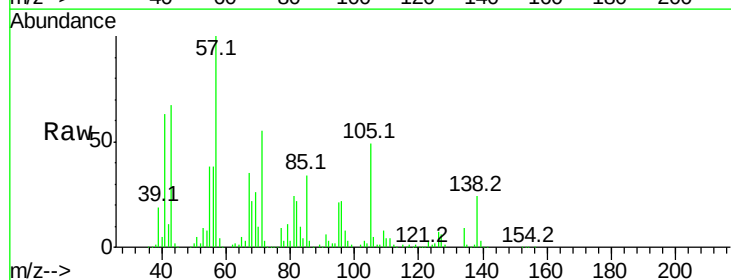
Instrument :
BNA_F
ClientSampleId :
E2-BB7-SSW

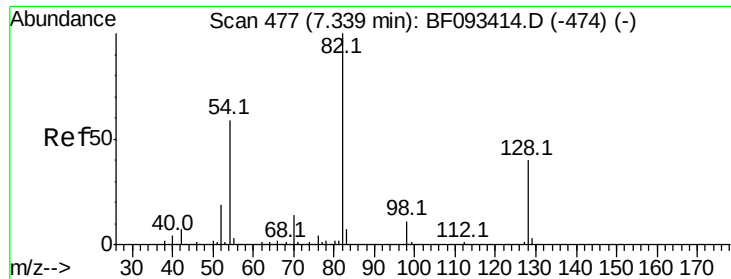
Tot Ion:136	Resp:	557349
Ion Ratio	Lower	Upper
136	100	
137	11.6	8.4 12.6
54	11.6	4.5 6.7#
68	9.0	3.6 5.4#



#22
Acetophenone
Concen: 9.24 ng
RT: 7.10 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

Tgt Ion:105	Resp:	123917
Ion Ratio	Lower	Upper
105	100	
71	111.9	3.2 4.8#
51	9.6	26.2 39.4#
120	0.4	16.6 24.8#

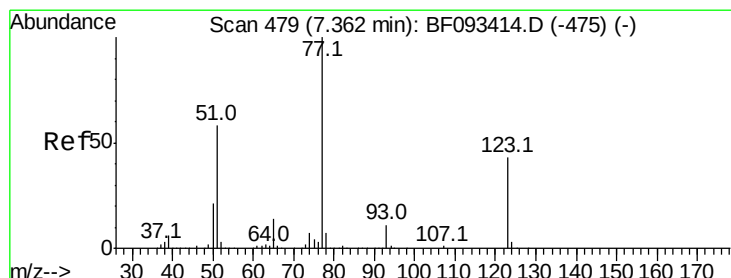
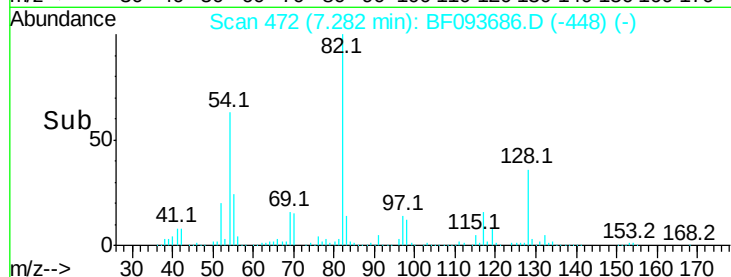
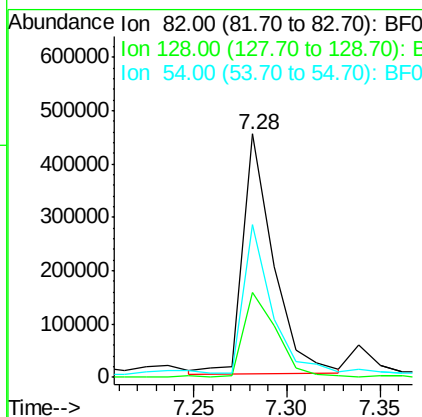
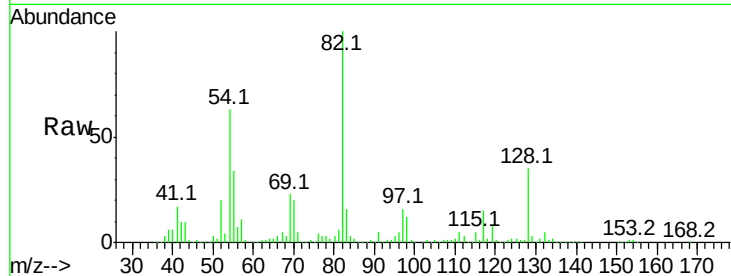




#23
 Nitrobenzene-d5
 Concen: 50.96 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: BF093686.D
 Acq: 15 Mar 2017 23:38

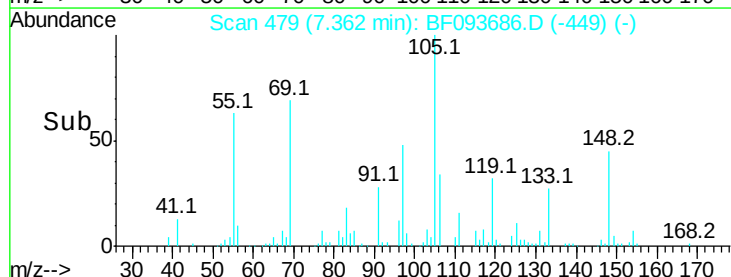
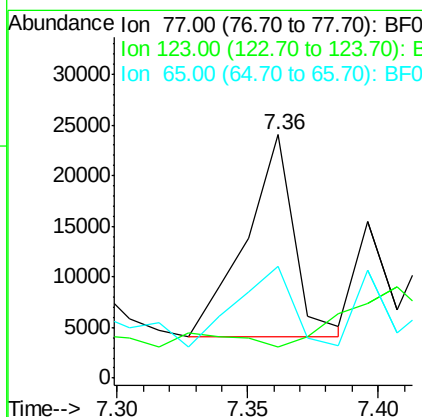
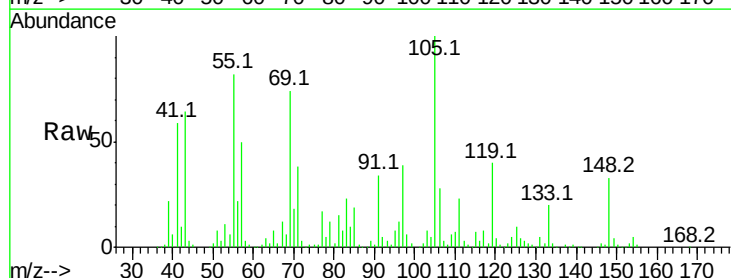
Instrument :
 BNA_F
 ClientSampleId :
 E2-BB7-SSW

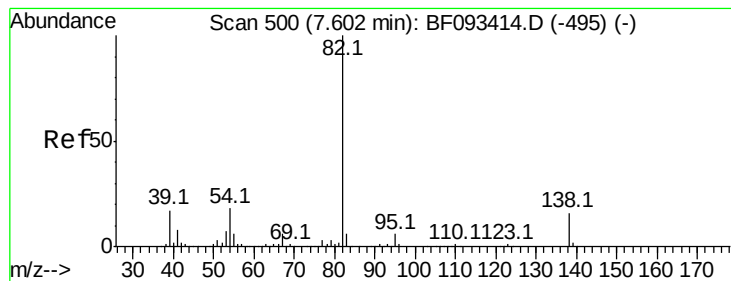
Tot Ion: 82 Resp: 511931
 Ion Ratio Lower Upper
 82 100
 128 35.0 34.6 52.0
 54 62.8 39.5 59.3#



#24
 Nitrobenzene
 Concen: 2.30 ng
 RT: 7.36 min Scan# 479
 Delta R.T. 0.05 min
 Lab File: BF093686.D
 Acq: 15 Mar 2017 23:38

Tgt Ion: 77 Resp: 25927
 Ion Ratio Lower Upper
 77 100
 123 12.9 33.0 49.4#
 65 46.0 11.2 16.8#





#25

Isophorone

Concen: 3.45 ng

RT: 7.51 min Scan# 492

Delta R.T. -0.05 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampleId :

E2-BB7-SSW

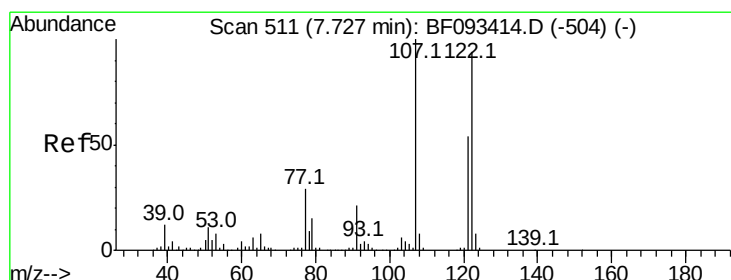
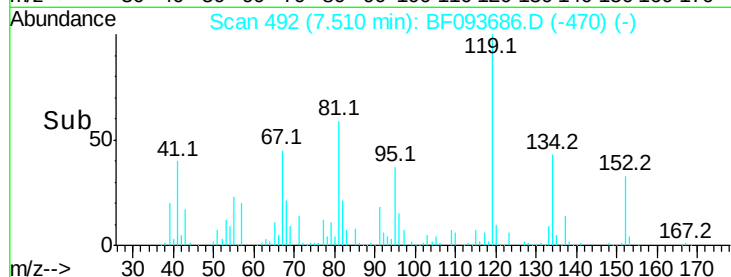
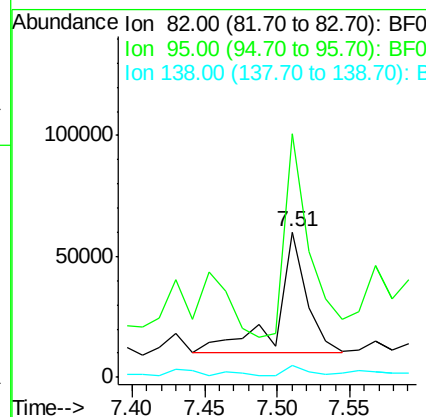
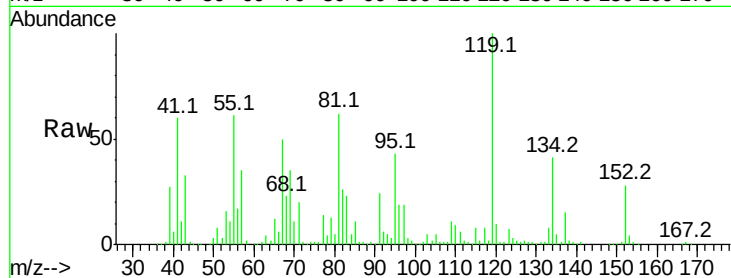
Tot Ion: 82 Resp: 69809

Ion Ratio Lower Upper

82 100

95 167.3 5.6 8.4#

138 8.1 14.6 22.0#



#27

2,4-Dimethylphenol

Concen: 2.16 ng

RT: 7.89 min Scan# 525

Delta R.T. 0.21 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

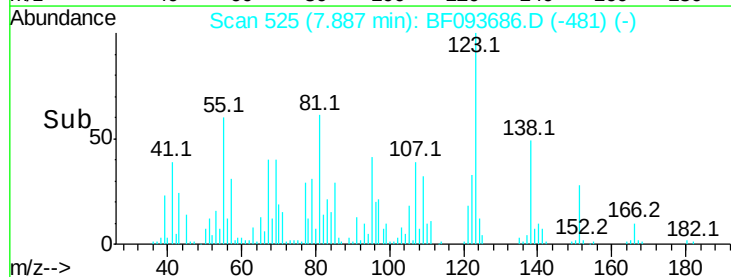
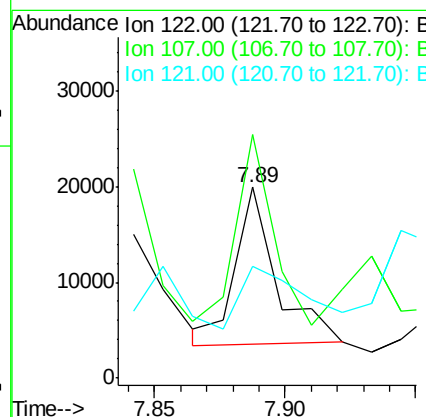
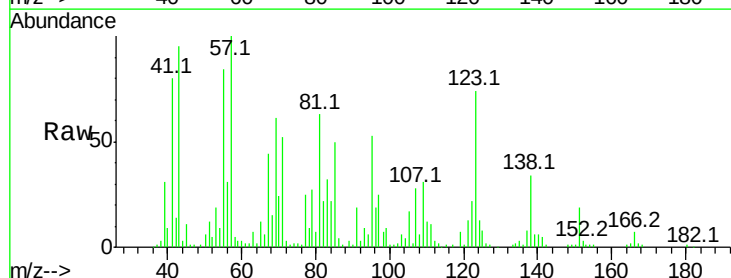
Tgt Ion:122 Resp: 18089

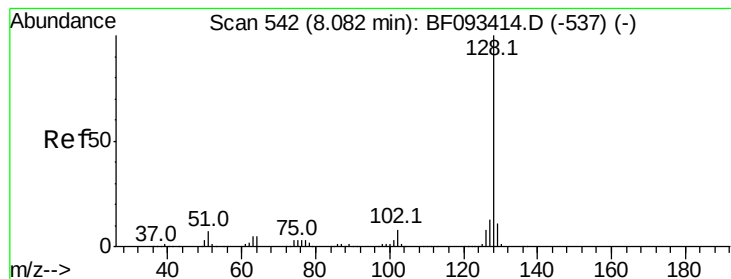
Ion Ratio Lower Upper

122 100

107 127.7 94.1 141.1

121 58.3 46.0 69.0





#31

Naphthalene

Concen: 26.89 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampleId :

E2-BB7-SSW

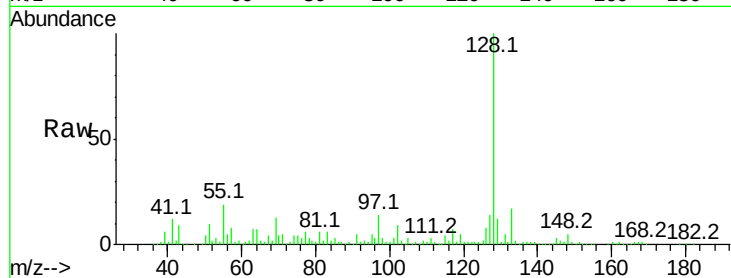
Tot Ion:128 Resp: 751066

Ion Ratio Lower Upper

128 100

129 11.8 9.5 14.3

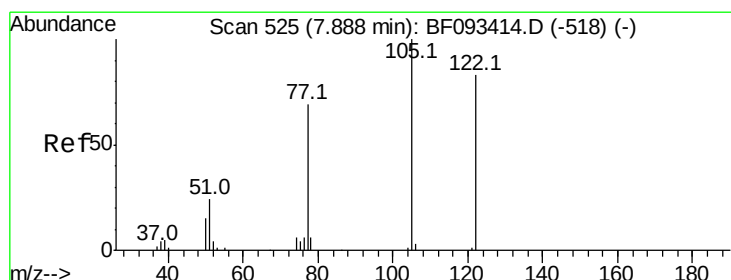
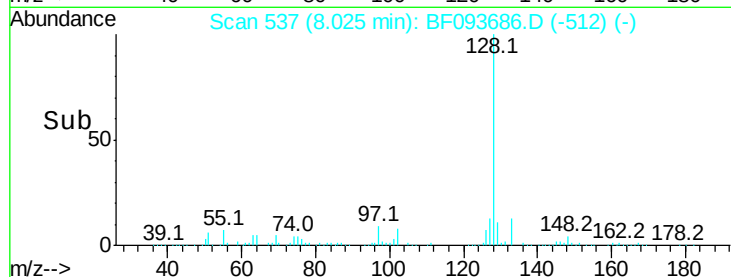
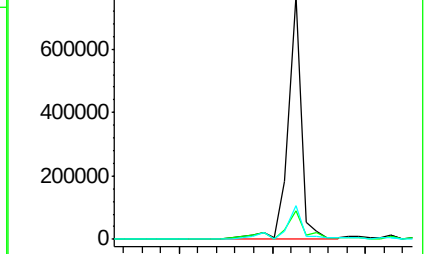
127 14.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 14.49 ng

RT: 7.83 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

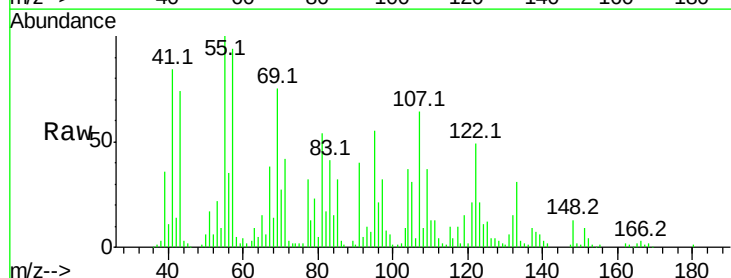
Tgt Ion:122 Resp: 63089

Ion Ratio Lower Upper

122 100

105 63.5 107.2 147.2#

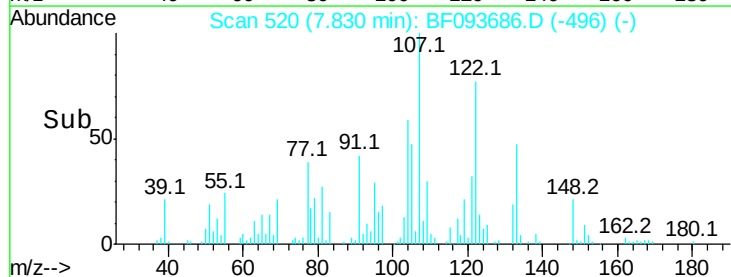
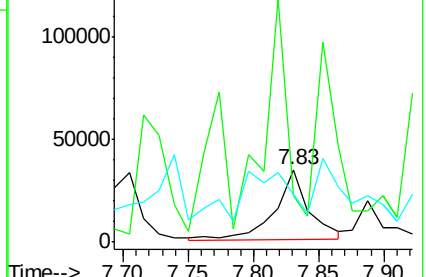
77 66.3 74.5 114.5#

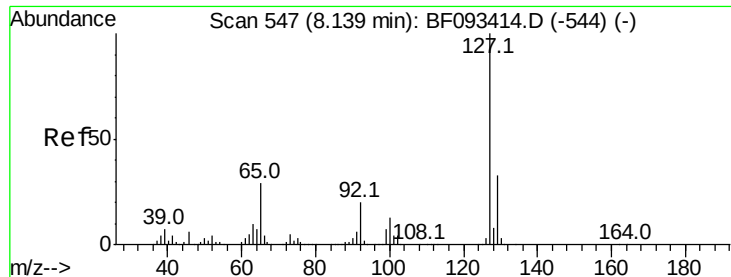


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

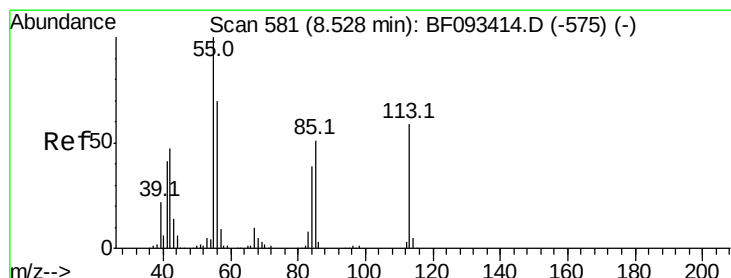
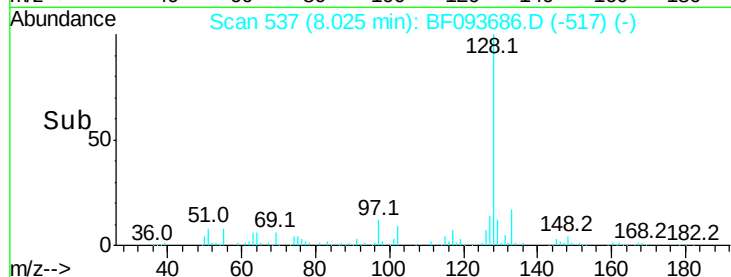
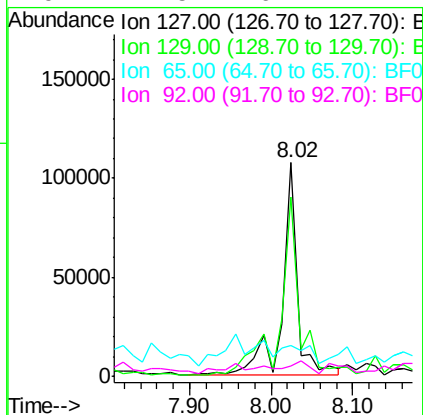
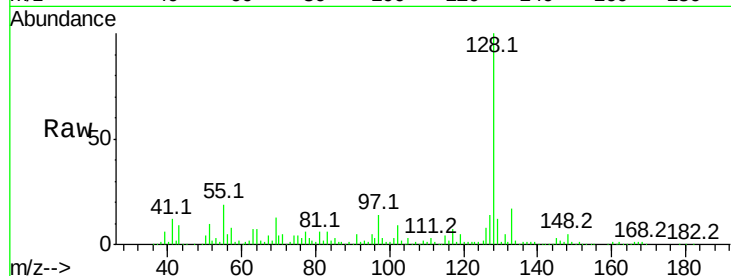




#33
4-Chloroaniline
Concen: 11.95 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.07 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

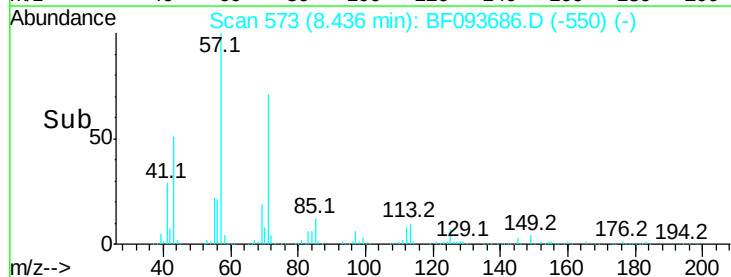
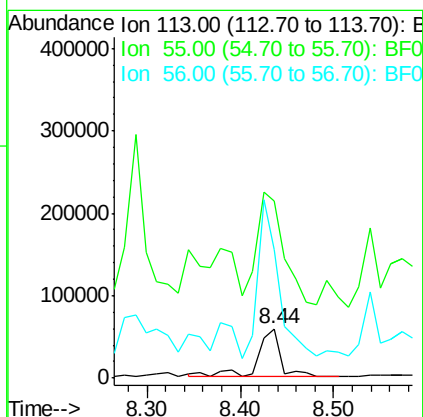
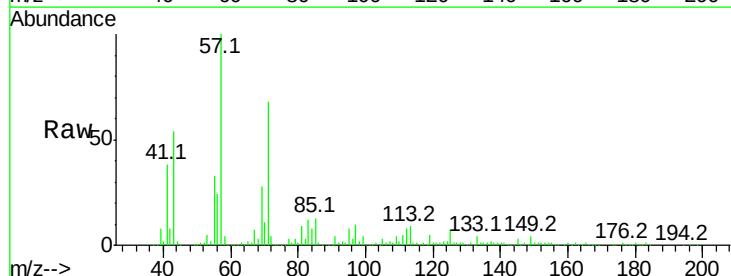
Instrument :
BNA_F
ClientSampleId :
E2-BB7-SSW

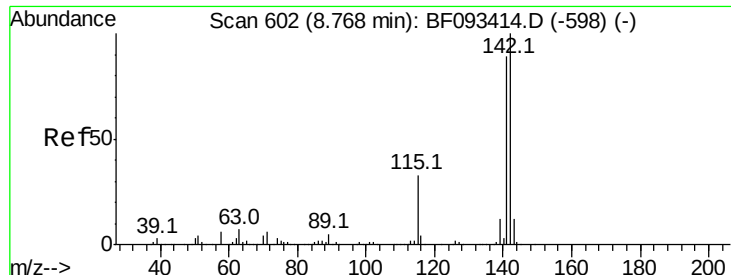
Tot Ion:	127	Resp:	135434
Ion	Ratio	Lower	Upper
127	100		
129	84.1	26.3	39.5#
65	14.6	25.8	38.8#
92	4.5	16.1	24.1#



#35
Caprolactam
Concen: 36.48 ng
RT: 8.44 min Scan# 573
Delta R.T. -0.03 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

Tgt Ion:	113	Resp:	98213
Ion	Ratio	Lower	Upper
113	100		
55	358.7	119.2	159.2#
56	260.2	83.8	123.8#

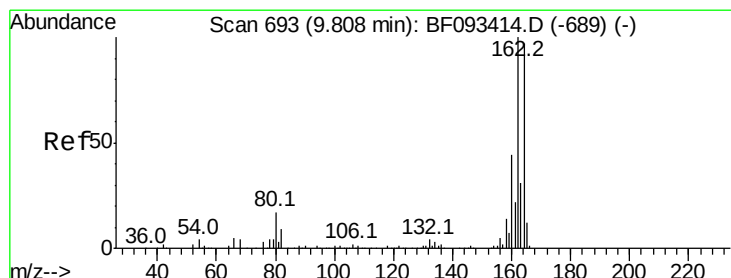
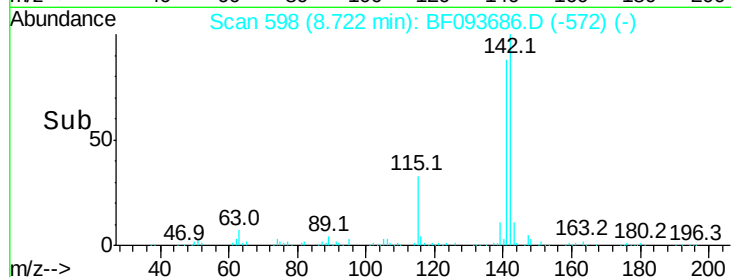
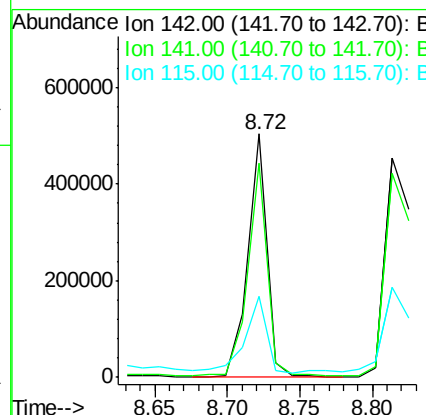
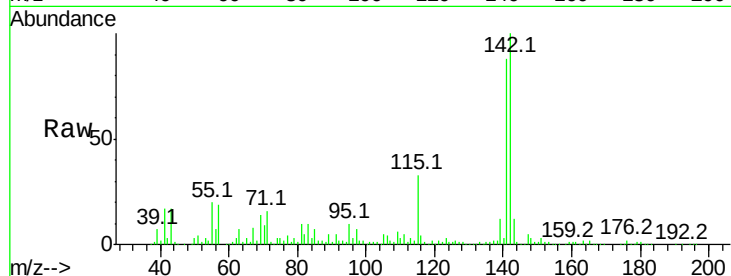




#37
 2-Methylnaphthalene
 Concen: 25.82 ng
 RT: 8.72 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: BF093686.D
 Acq: 15 Mar 2017 23:38

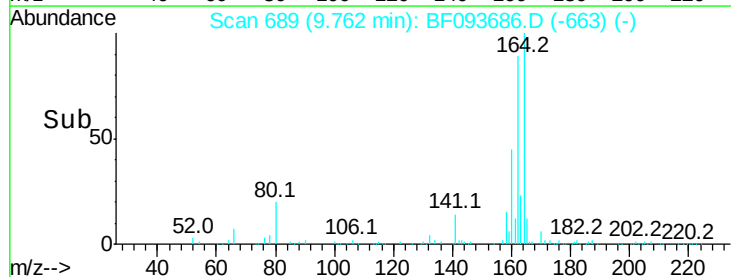
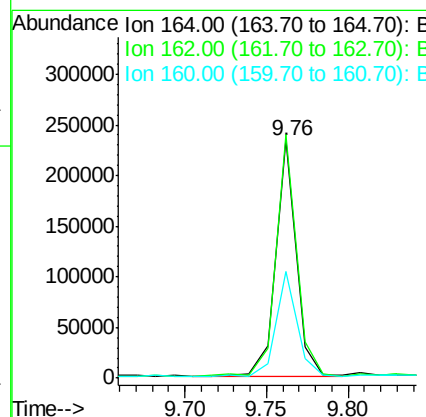
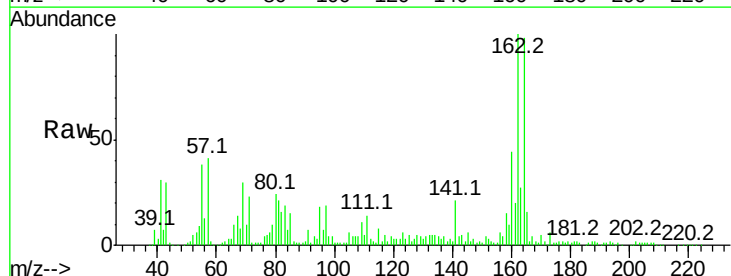
Instrument :
 BNA_F
 ClientSampleId :
 E2-BB7-SSW

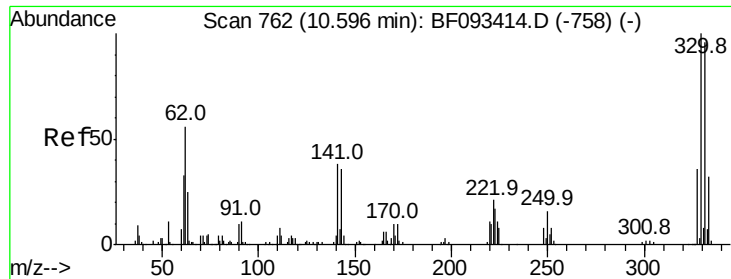
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.0	106.6
115	33.3	28.3	42.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: BF093686.D
 Acq: 15 Mar 2017 23:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.2	120.2
160	44.9	36.9	55.3

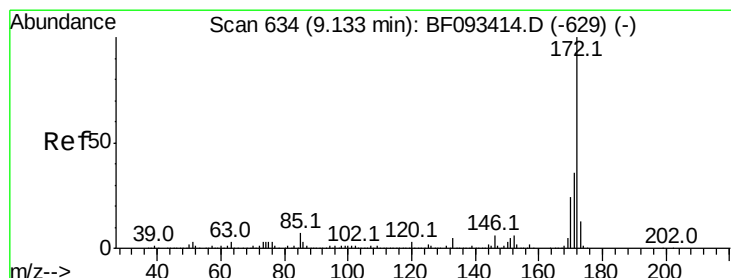
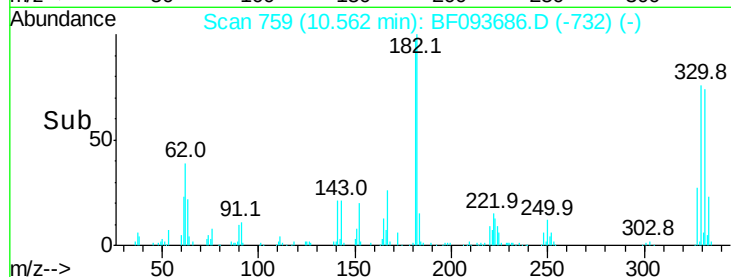
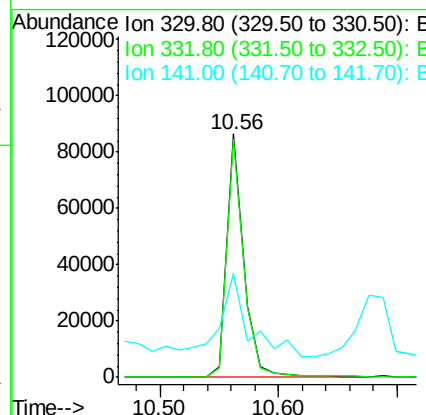
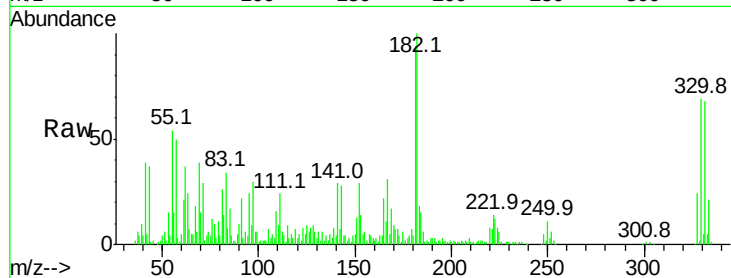




#41
 2,4,6-Tribromophenol
 Concen: 63.10 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093686.D
 Acq: 15 Mar 2017 23:38

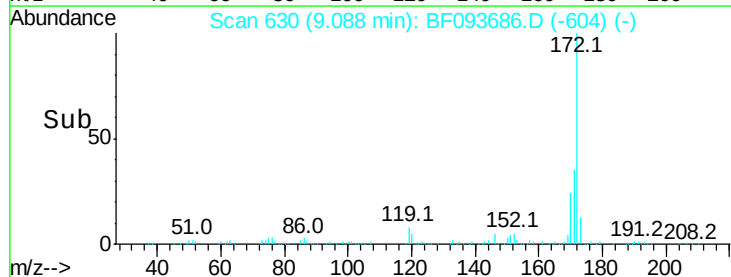
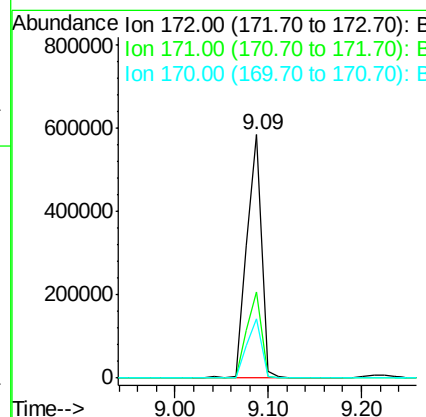
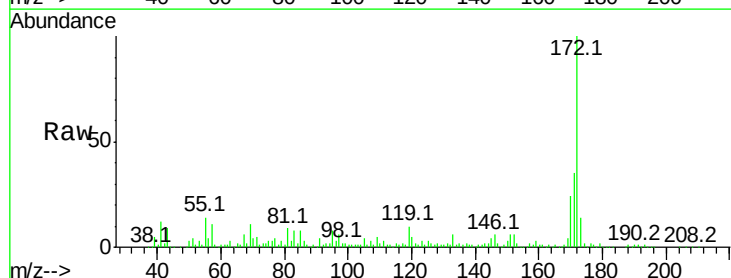
Instrument :
 BNA_F
 ClientSampleId :
 E2-BB7-SSW

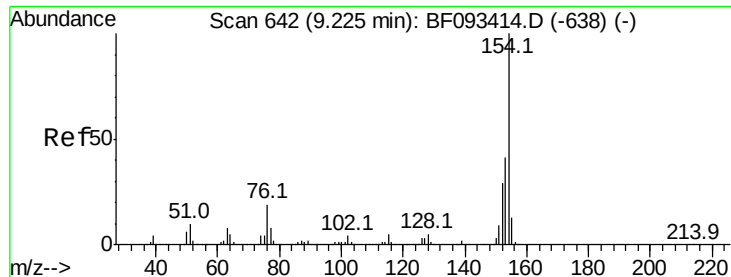
Tot Ion:330 Resp: 84573
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.4 116.2
 141 56.5 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 58.08 ng
 RT: 9.09 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF093686.D
 Acq: 15 Mar 2017 23:38

Tgt Ion:172 Resp: 642367
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.4 44.0
 170 24.3 20.2 30.4

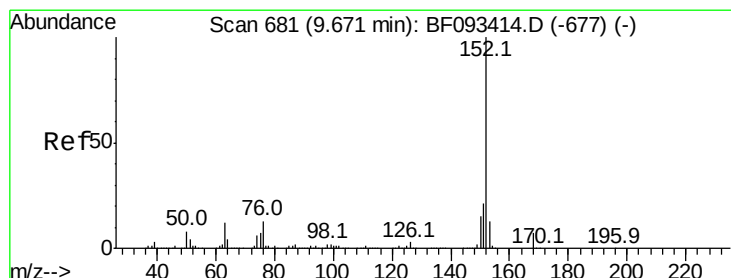
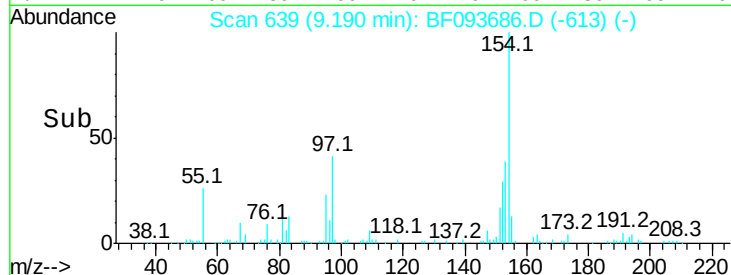
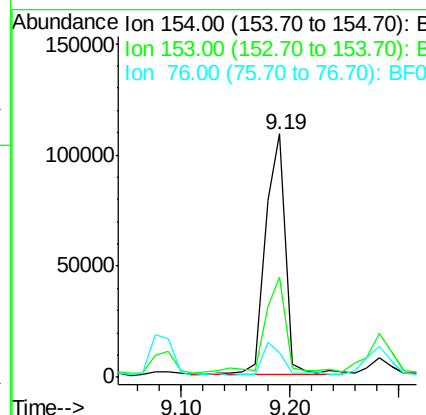
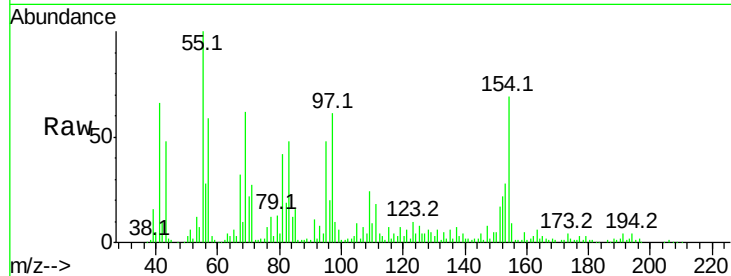




#45
 1,1'-Biphenyl
 Concen: 9.33 ng
 RT: 9.19 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: BF093686.D
 Acq: 15 Mar 2017 23:38

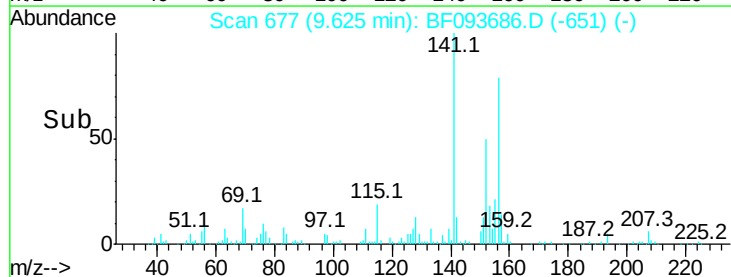
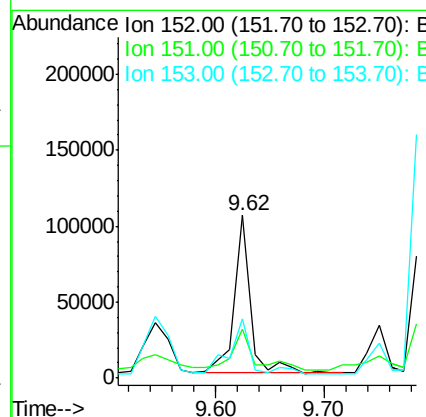
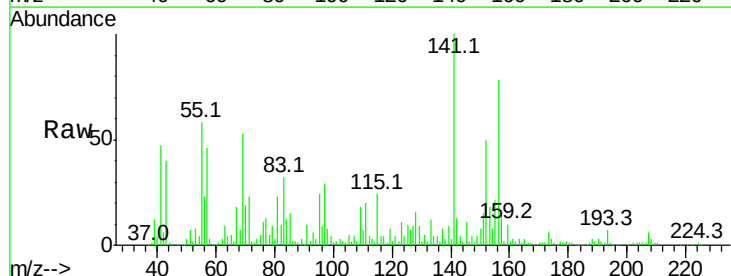
Instrument :
 BNA_F
 ClientSampleId :
 E2-BB7-SSW

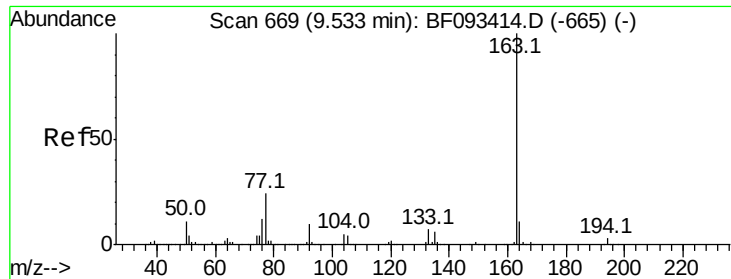
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.9	60.9
76	10.4	0.0	30.5



#48
 Acenaphthylene
 Concen: 5.48 ng
 RT: 9.62 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: BF093686.D
 Acq: 15 Mar 2017 23:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	30.5	16.9	25.3#
153	36.6	11.4	17.2#





#49

Dimethylphthalate

Concen: 9.47 ng

RT: 9.49 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampleId :

E2-BB7-SSW

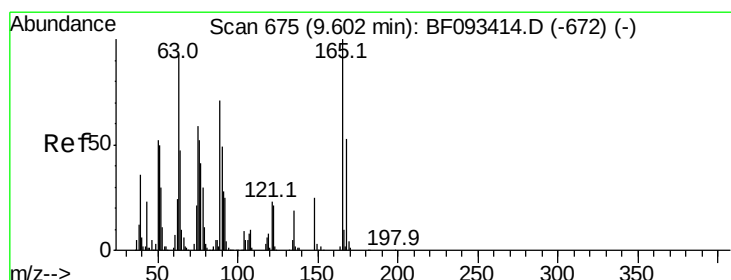
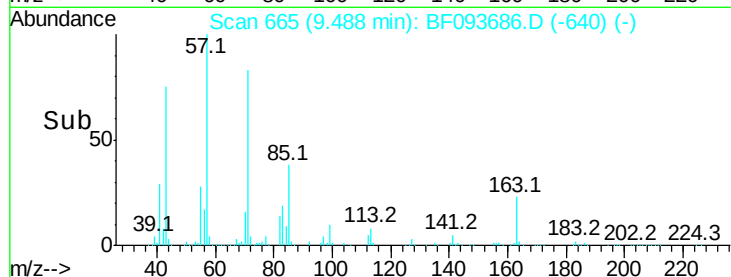
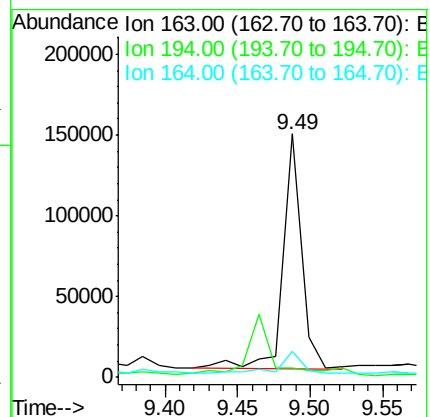
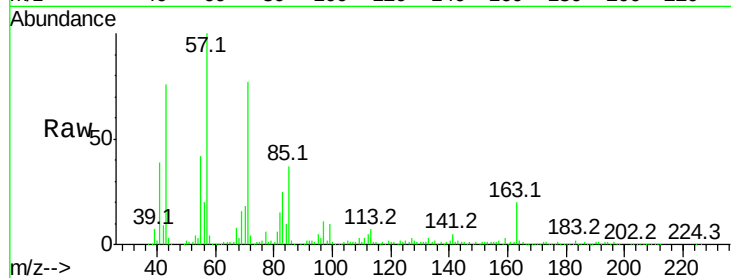
Tot Ion:163 Resp: 129163

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

164 10.6 8.0 12.0



#50

2,6-Dinitrotoluene

Concen: 3.10 ng

RT: 9.52 min Scan# 668

Delta R.T. -0.05 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

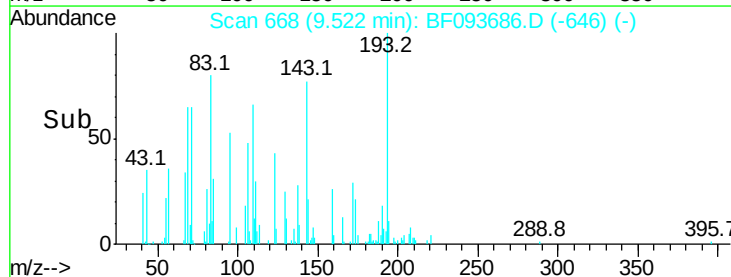
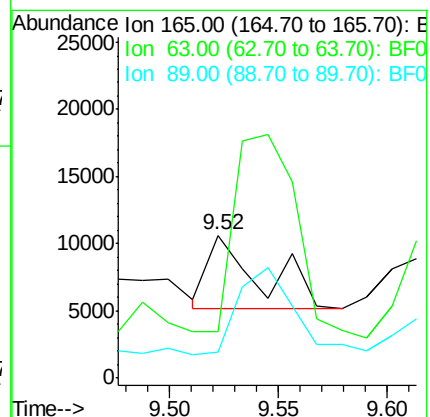
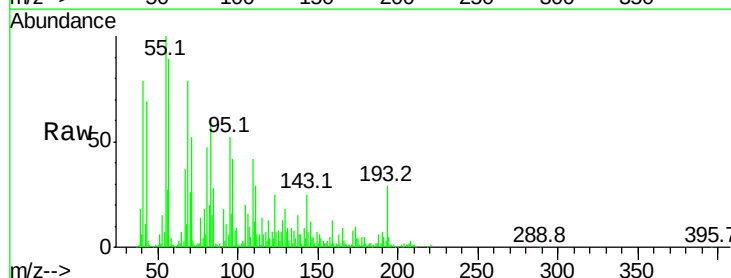
Tgt Ion:165 Resp: 9283

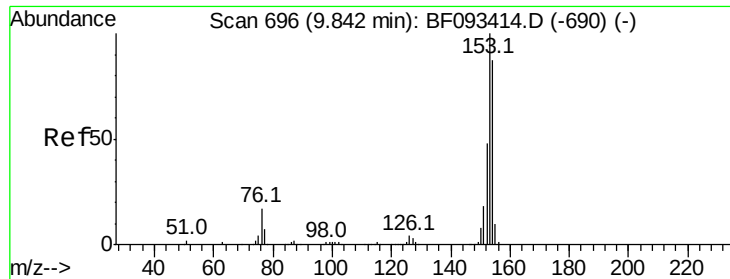
Ion Ratio Lower Upper

165 100

63 32.6 36.2 54.4#

89 18.6 40.2 60.4#





#51

Acenaphthene

Concen: 62.40 ng

RT: 9.80 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampleId :

E2-BB7-SSW

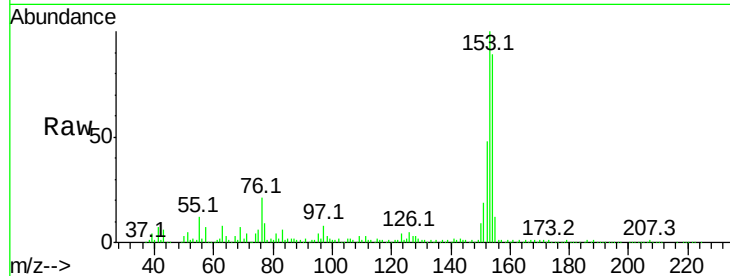
Tot Ion:154 Resp: 698131

Ion Ratio Lower Upper

154 100

153 113.0 88.6 133.0

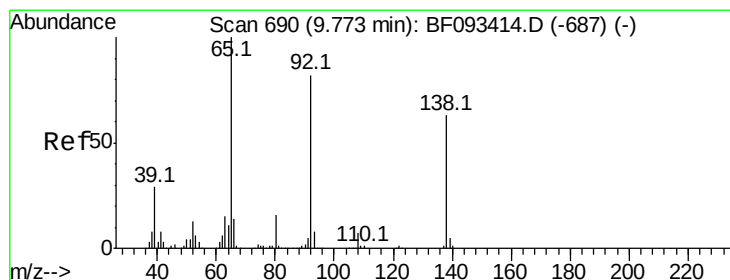
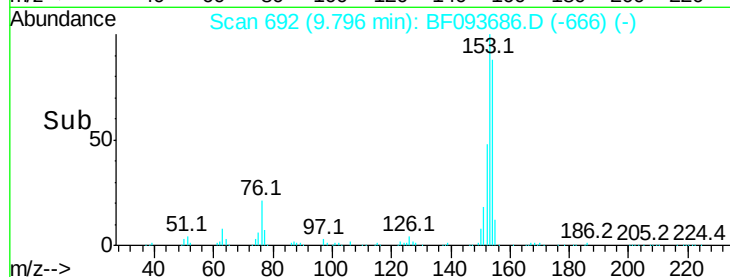
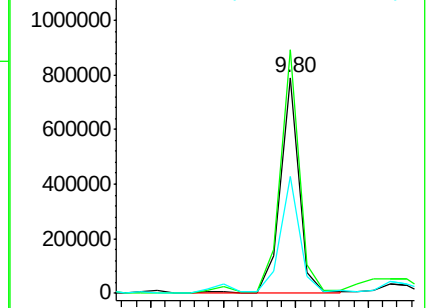
152 54.5 41.6 62.4



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



#52

3-Nitroaniline

Concen: 2.78 ng

RT: 9.73 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

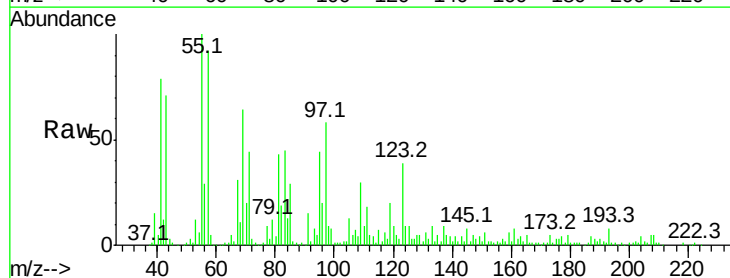
Tgt Ion:138 Resp: 9981

Ion Ratio Lower Upper

138 100

108 81.9 8.5 12.7#

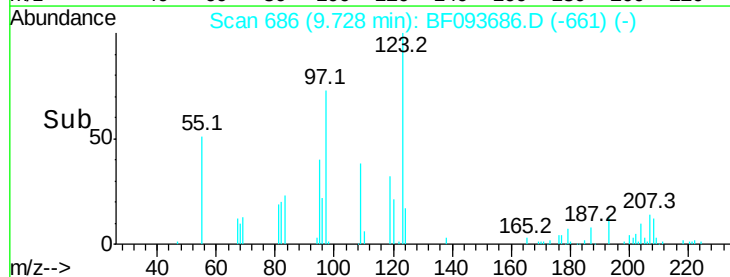
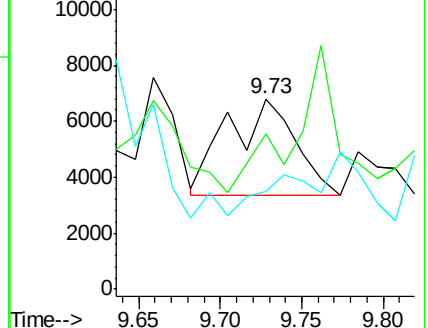
92 51.6 97.8 146.8#

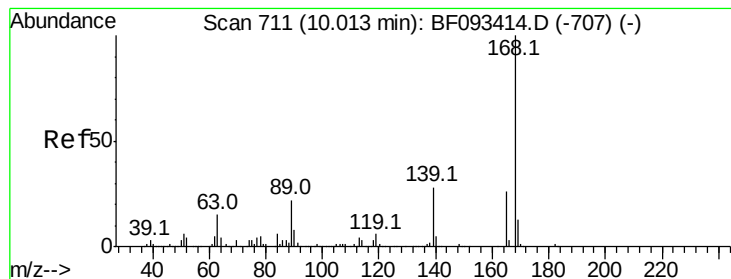


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzofuran

Concen: 33.96 ng

RT: 9.97 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampleId :

E2-BB7-SSW

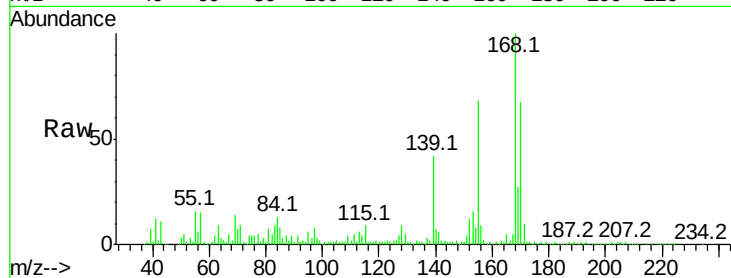
Tot Ion:168 Resp: 475474

Ion Ratio Lower Upper

168 100

139 41.7 32.6 49.0

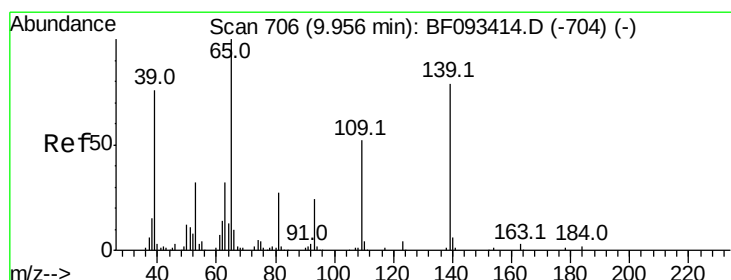
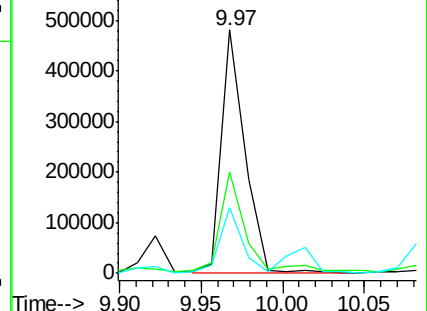
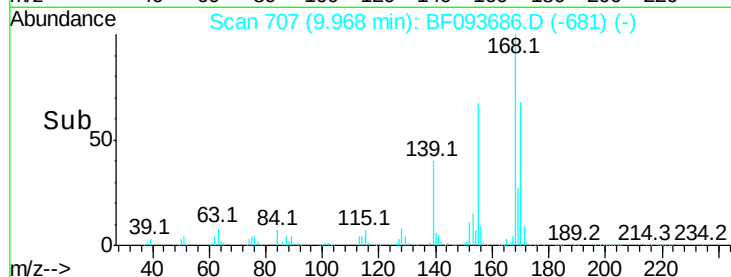
169 26.9 11.3 16.9#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 4.85 ng

RT: 9.91 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

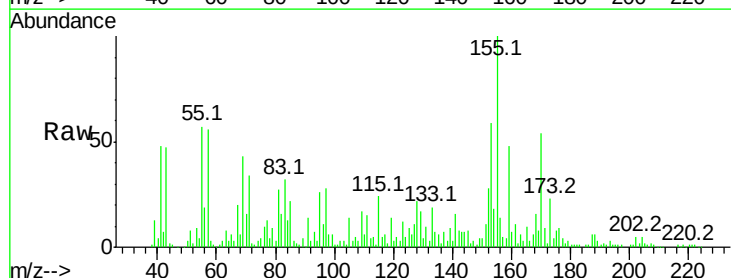
Tgt Ion:139 Resp: 8477

Ion Ratio Lower Upper

139 100

109 188.7 52.2 92.2#

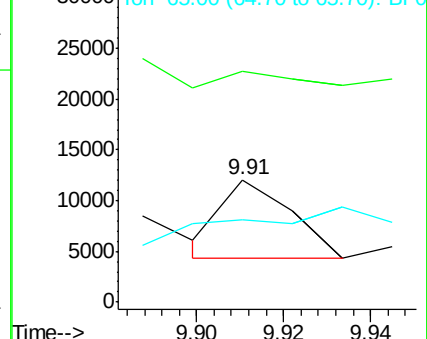
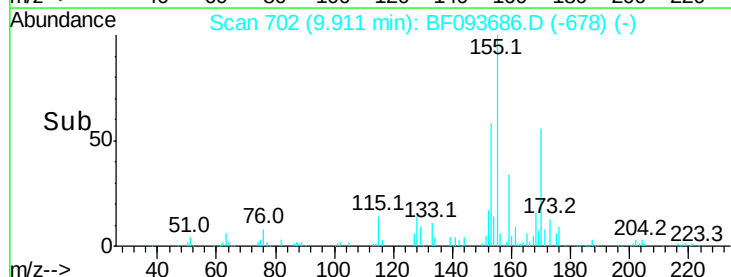
65 67.0 85.8 125.8#

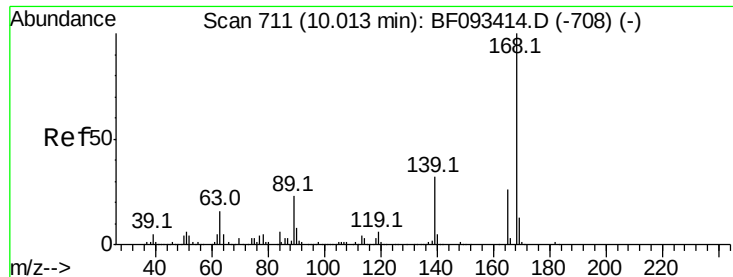


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

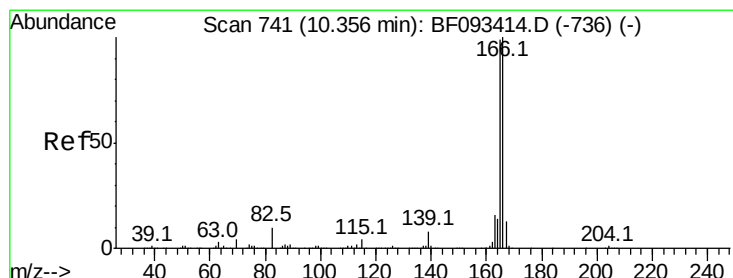
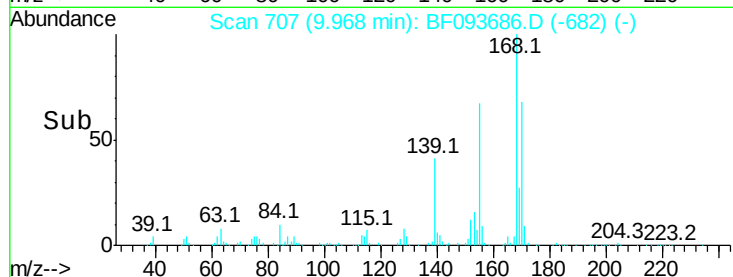
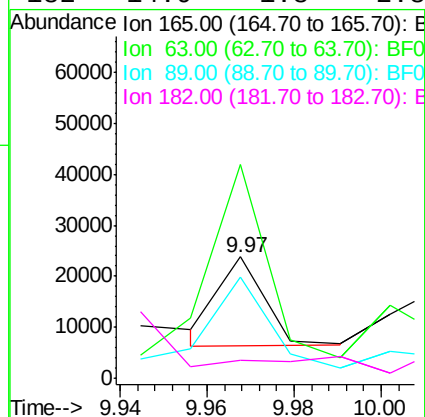
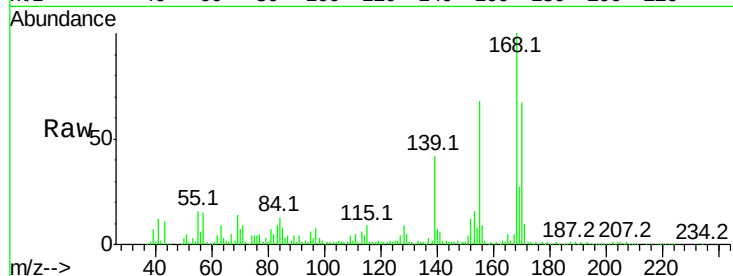




#56
2,4-Dinitrotoluene
Concen: 3.44 ng
RT: 9.97 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

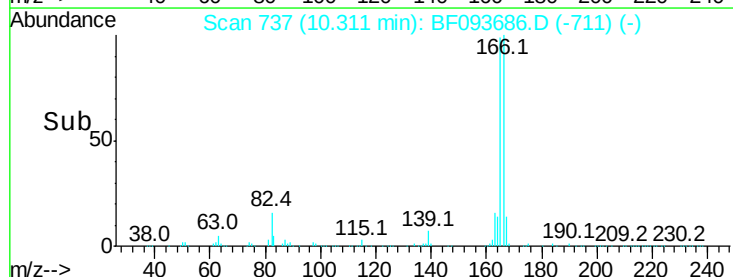
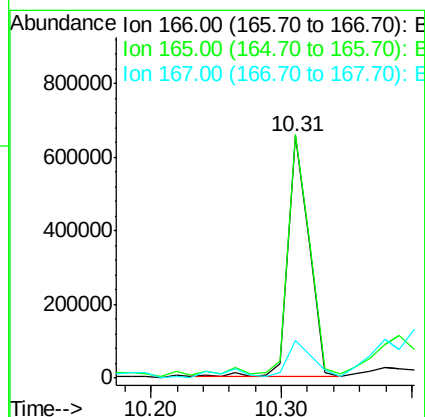
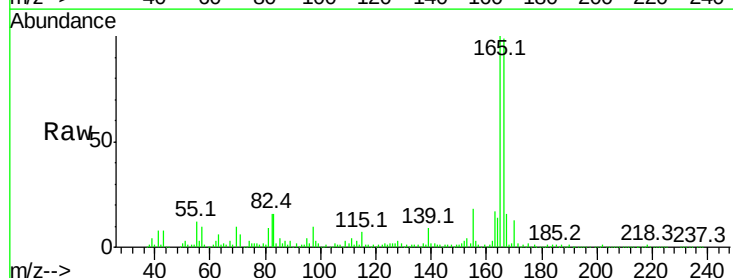
Instrument :
BNA_F
ClientSampleId :
E2-BB7-SSW

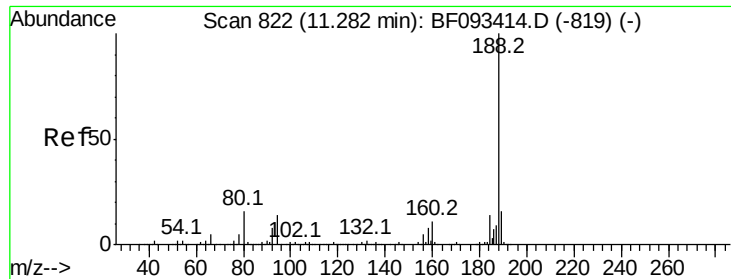
Tot Ion:	165	Resp:	12657
Ion	Ratio	Lower	Upper
165	100		
63	176.1	40.2	60.4#
89	83.7	62.5	93.7
182	14.9	1.8	2.8#



#57
Fluorene
Concen: 63.25 ng
RT: 10.31 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

Tgt Ion:	166	Resp:	750514
Ion	Ratio	Lower	Upper
166	100		
165	100.5	77.8	116.8
167	15.7	10.8	16.2

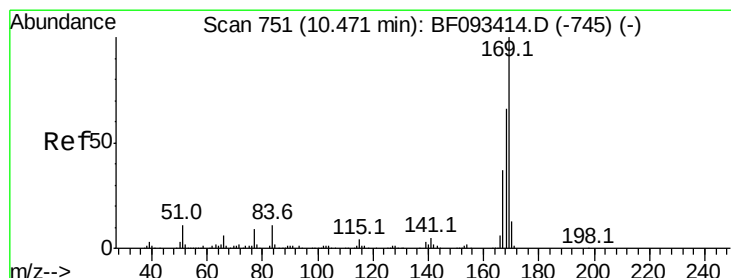
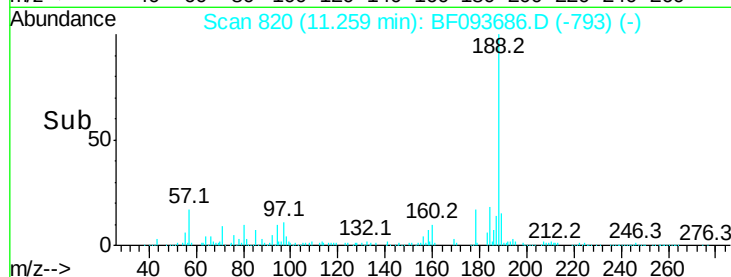
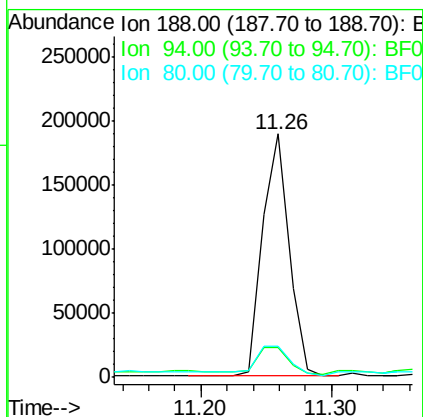
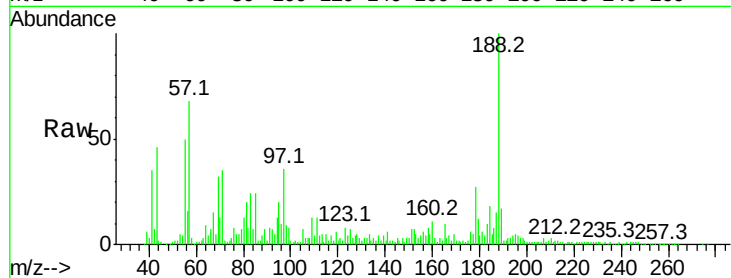




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 820
Delta R.T. 0.01 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

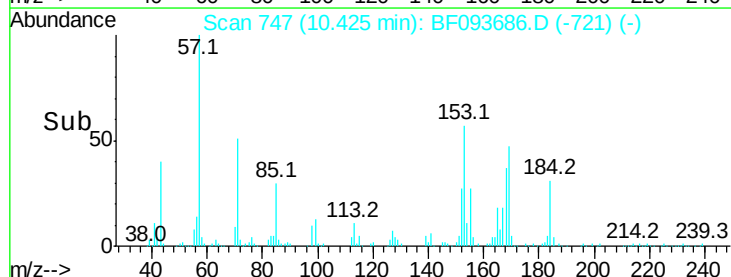
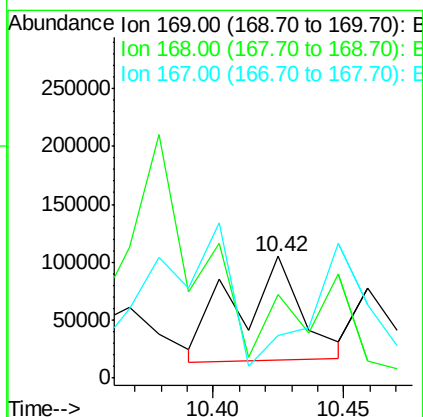
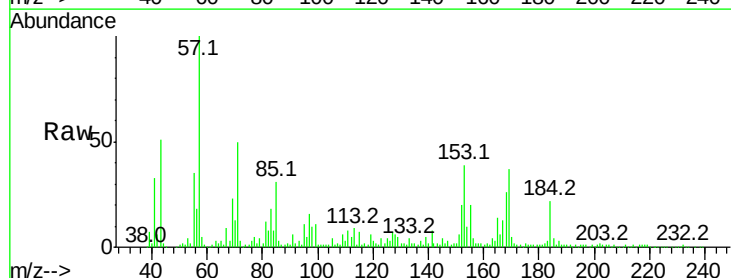
Instrument :
BNA_F
ClientSampleId :
E2-BB7-SSW

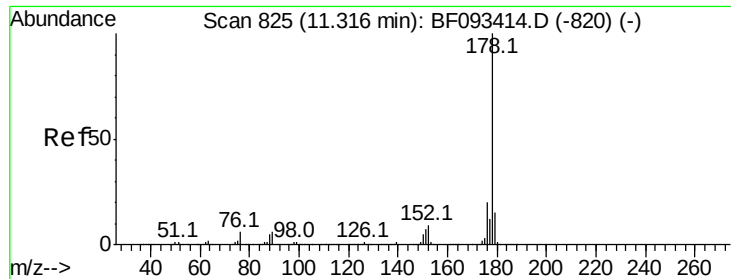
Tot Ion:188 Resp: 269498
Ion Ratio Lower Upper
188 100
94 12.5 10.0 15.0
80 12.7 11.2 16.8



#65
n-Nitrosodiphenylamine
Concen: 17.18 ng
RT: 10.42 min Scan# 747
Delta R.T. 0.00 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

Tgt Ion:169 Resp: 154579
Ion Ratio Lower Upper
169 100
168 68.9 54.2 81.2
167 34.9 30.2 45.4

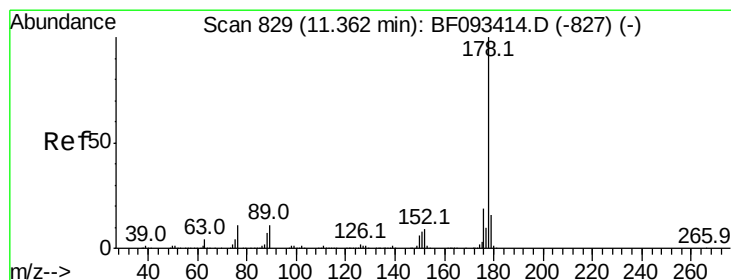
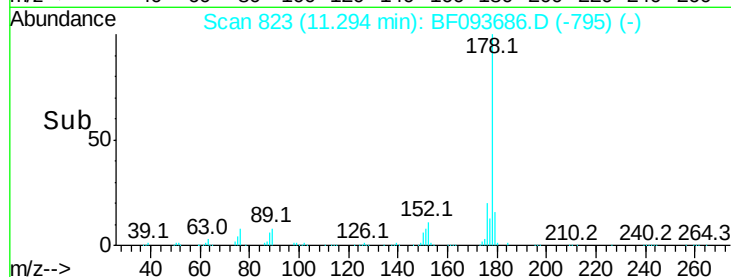
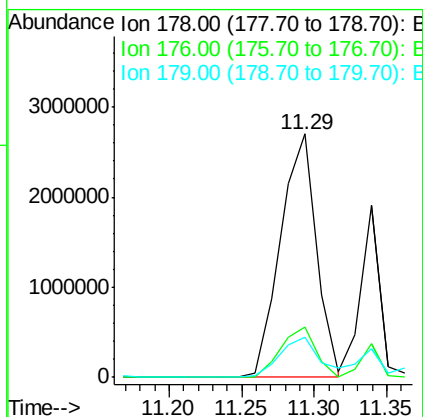
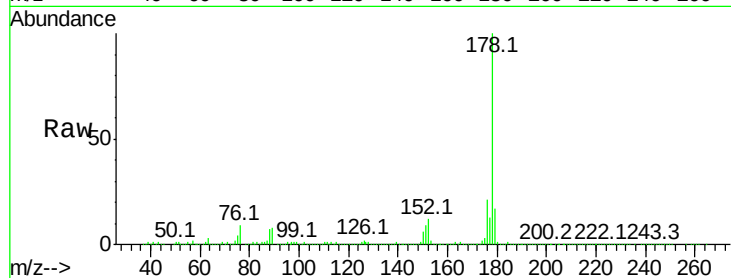




#70
Phenanthrene
Concen: 299.99 ng
RT: 11.29 min Scan# 823
Delta R.T. 0.02 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

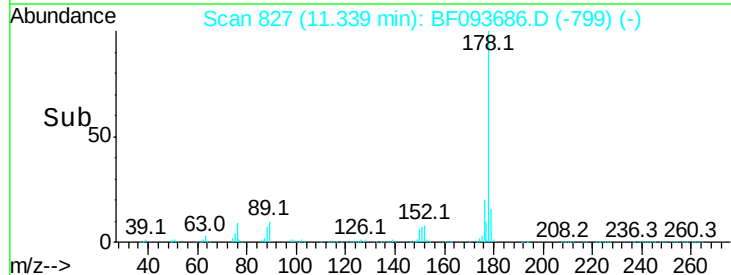
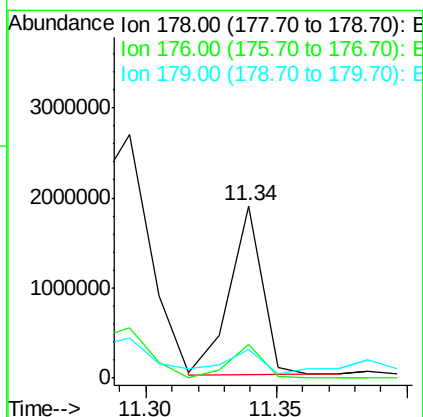
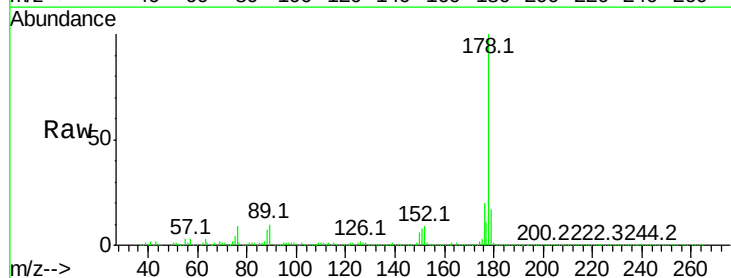
Instrument :
BNA_F
ClientSampleId :
E2-BB7-SSW

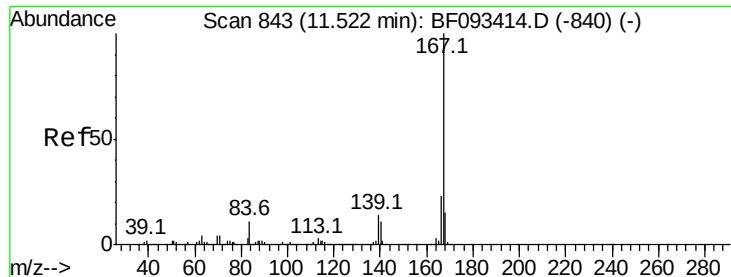
Tot Ion:178 Resp: 4614692
Ion Ratio Lower Upper
178 100
176 20.6 16.6 25.0
179 16.6 12.8 19.2



#71
Anthracene
Concen: 105.42 ng
RT: 11.34 min Scan# 827
Delta R.T. 0.02 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

Tgt Ion:178 Resp: 1640420
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 16.6 13.2 19.8





#72

Carbazole

Concen: 41.70 ng

RT: 11.50 min Scan# 841

Delta R.T. 0.01 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampleId :

E2-BB7-SSW

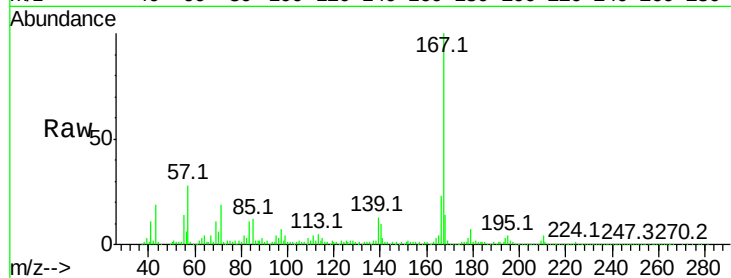
Tot Ion:167 Resp: 609610

Ion Ratio Lower Upper

167 100

166 22.7 18.2 27.2

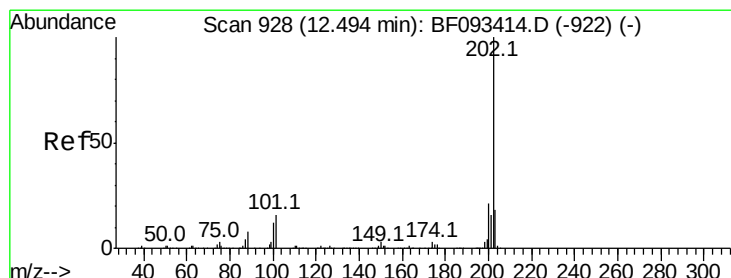
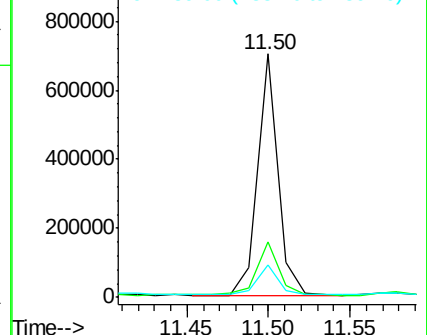
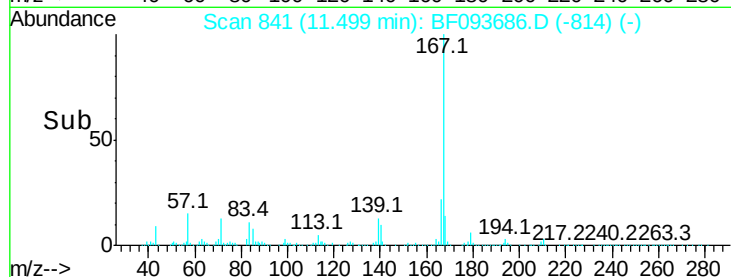
139 13.4 11.4 17.2



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



#74

Fluoranthene

Concen: 277.60 ng

RT: 12.49 min Scan# 928

Delta R.T. 0.03 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

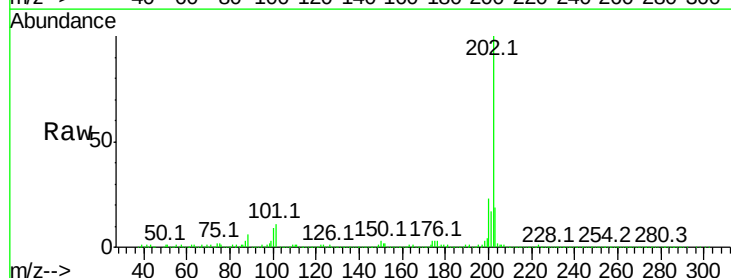
Tgt Ion:202 Resp: 4124826

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.6

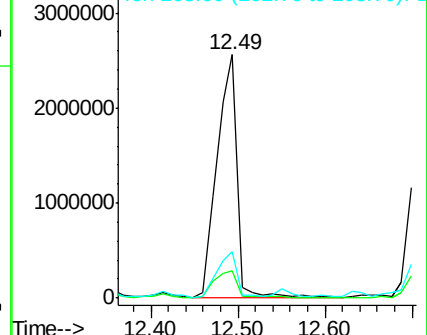
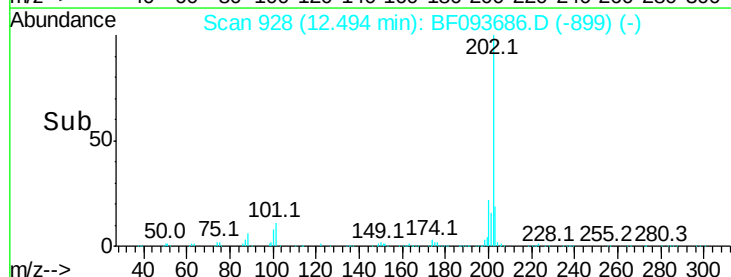
203 18.9 0.0 38.7

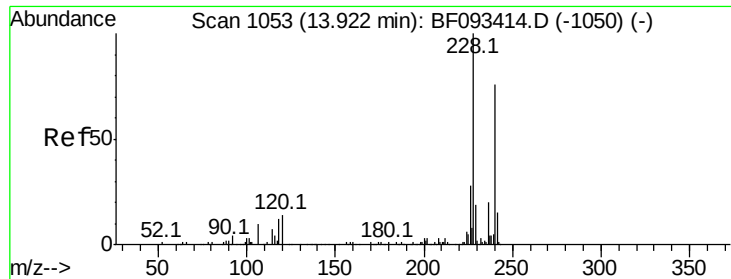


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.91 min Scan# 1052

Delta R.T. 0.02 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampleId :

E2-BB7-SSW

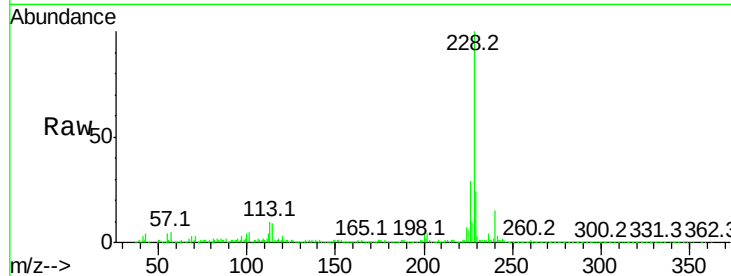
Tot Ion:240 Resp: 242073

Ion Ratio Lower Upper

240 100

120 17.6 12.9 19.3

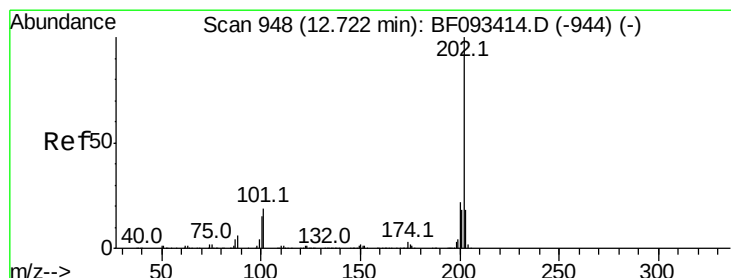
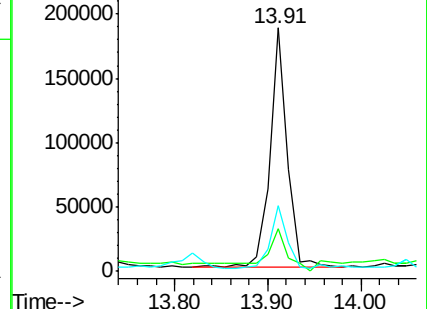
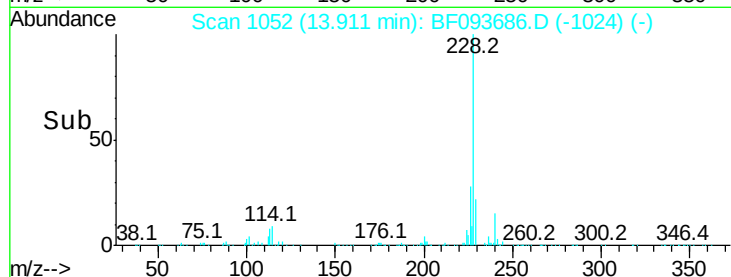
236 27.1 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 249.18 ng

RT: 12.72 min Scan# 948

Delta R.T. 0.05 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

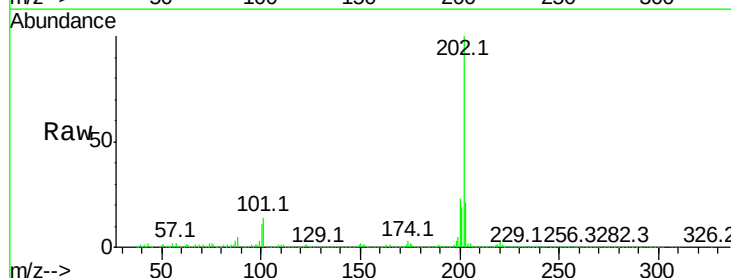
Tgt Ion:202 Resp: 4386964

Ion Ratio Lower Upper

202 100

200 22.8 17.7 26.5

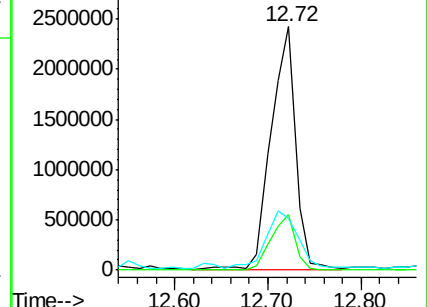
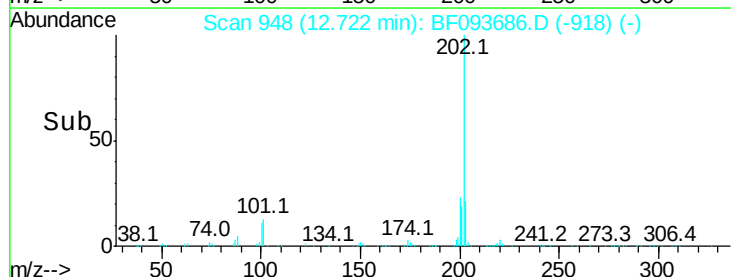
203 21.0 14.7 22.1

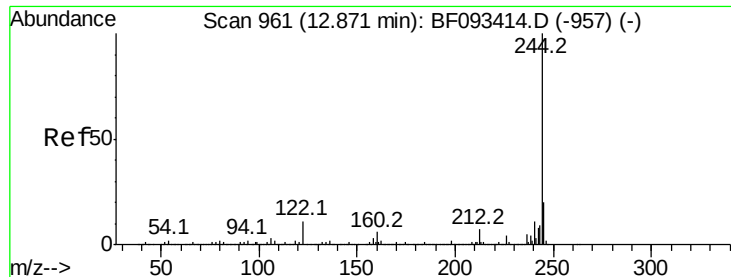


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

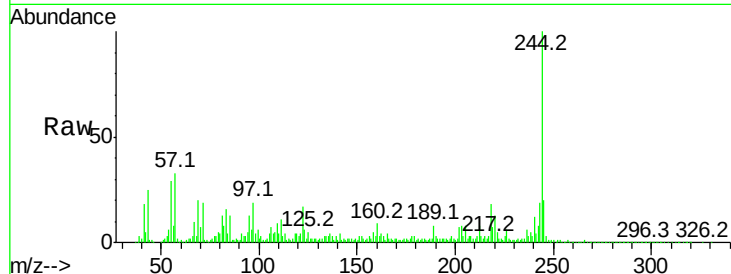




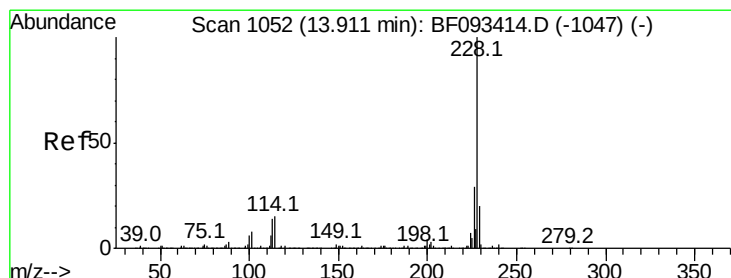
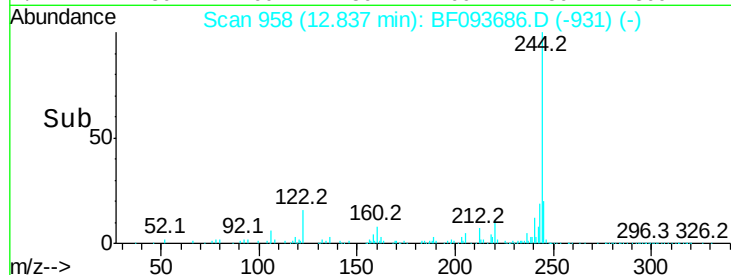
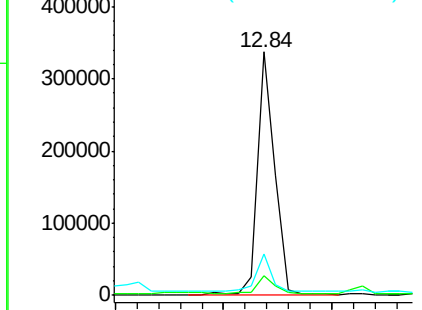
#78
 Terphenyl-d14
 Concen: 39.85 ng
 RT: 12.84 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: BF093686.D
 Acq: 15 Mar 2017 23:38

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB7-SSW

Tot Ion:244 Resp: 371052
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 17.1 11.4 17.2

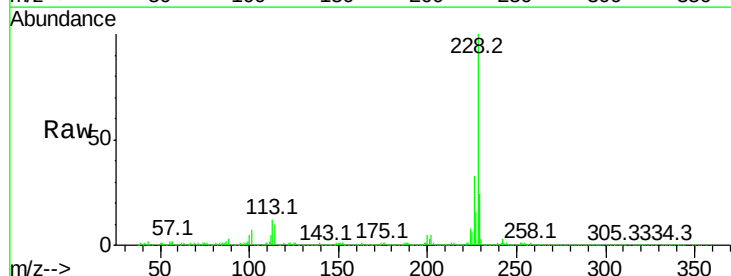


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

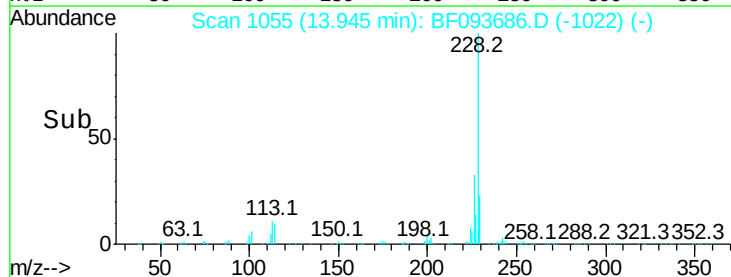
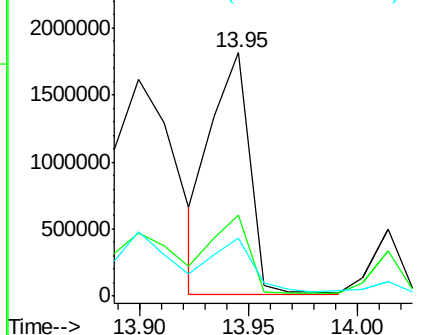


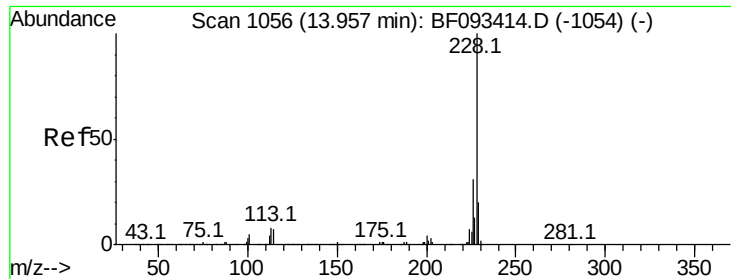
#80
 Benzo(a)anthracene
 Concen: 155.36 ng
 RT: 13.95 min Scan# 1055
 Delta R.T. 0.08 min
 Lab File: BF093686.D
 Acq: 15 Mar 2017 23:38

Tgt Ion:228 Resp: 2220938
 Ion Ratio Lower Upper
 228 100
 226 33.2 22.4 33.6
 229 23.7 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 166.65 ng

RT: 13.95 min Scan# 1055

Delta R.T. 0.03 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampleId :

E2-BB7-SSW

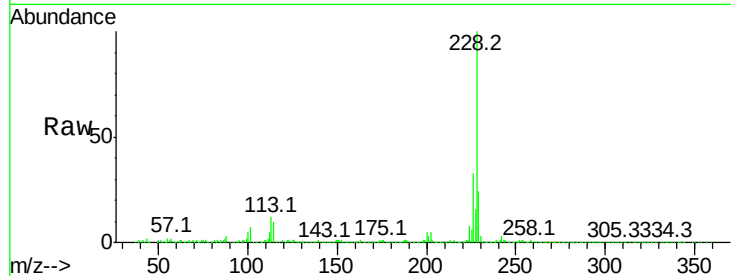
Tot Ion:228 Resp: 2204152

Ion Ratio Lower Upper

228 100

226 33.2 25.4 38.0

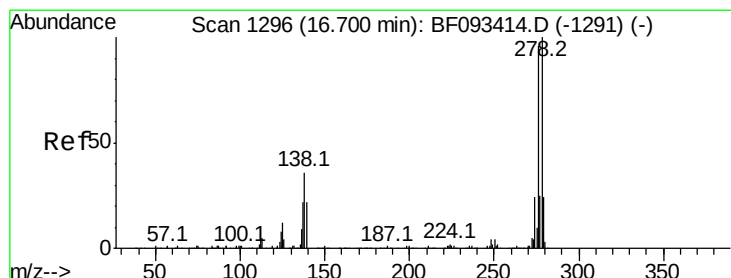
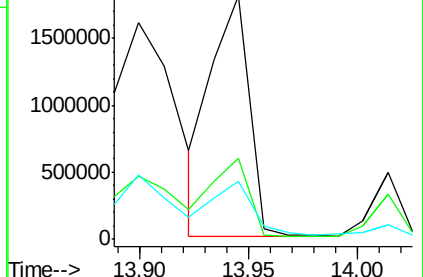
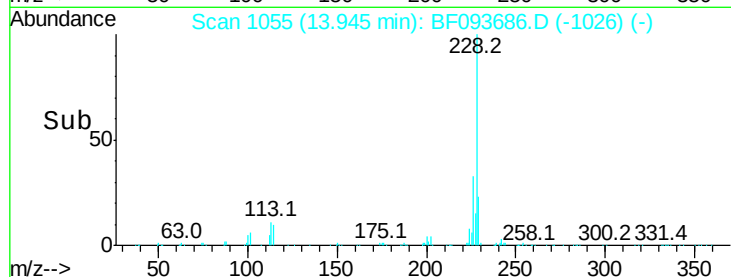
229 23.7 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 122.57 ng

RT: 16.69 min Scan# 1295

Delta R.T. 0.07 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

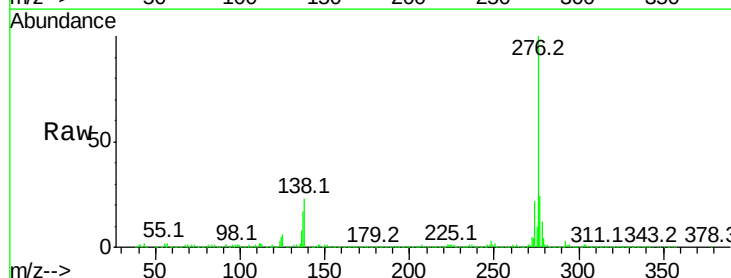
Tgt Ion:276 Resp: 1357042

Ion Ratio Lower Upper

276 100

138 30.6 21.8 32.6

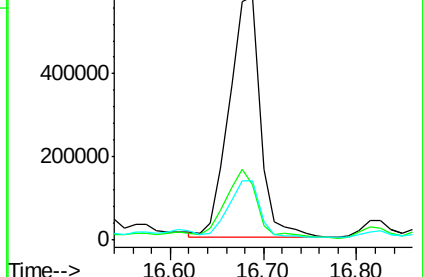
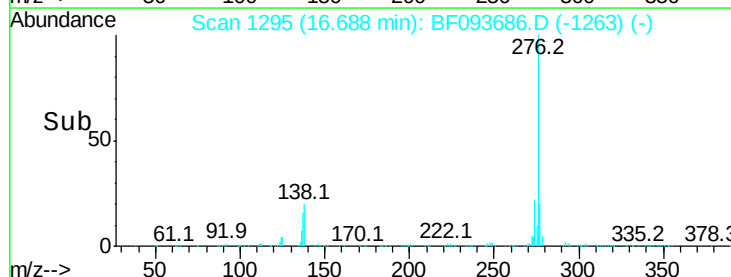
277 23.8 20.2 30.4

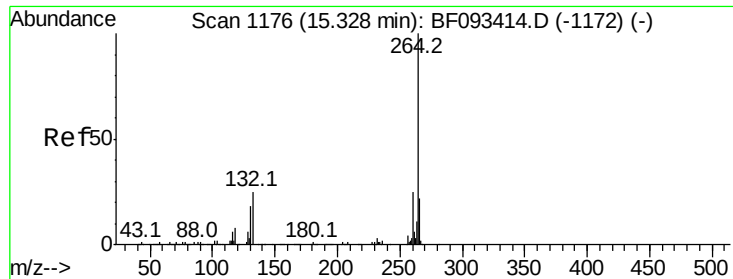


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 1175

Delta R.T. 0.03 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampleId :

E2-BB7-SSW

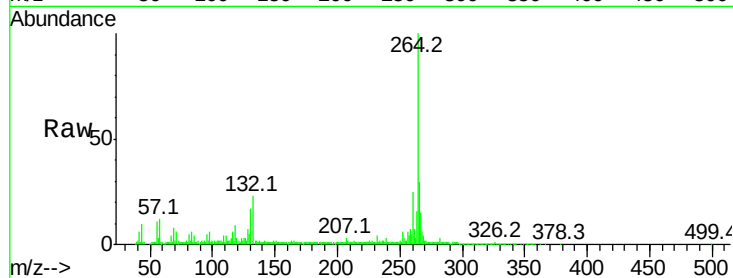
Tot Ion:264 Resp: 339604

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

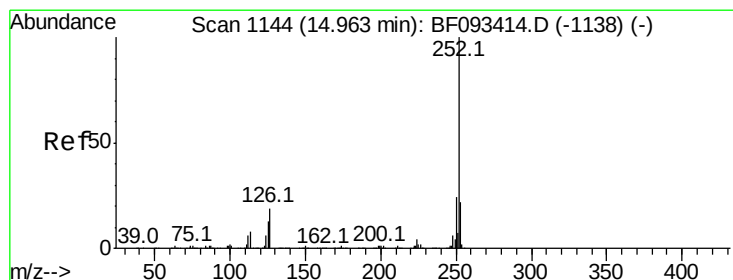
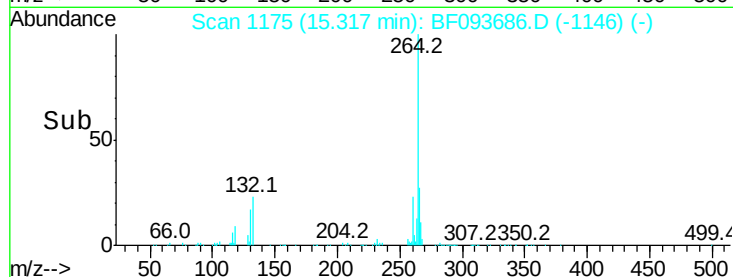
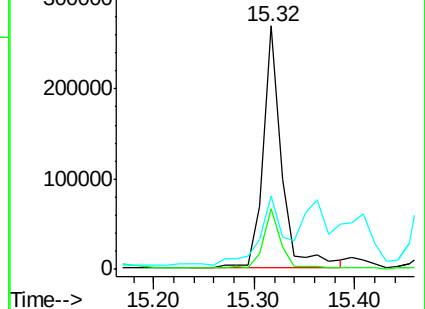
265 29.9 17.4 26.0#



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: 192.17 ng

RT: 14.93 min Scan# 1141

Delta R.T. 0.03 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

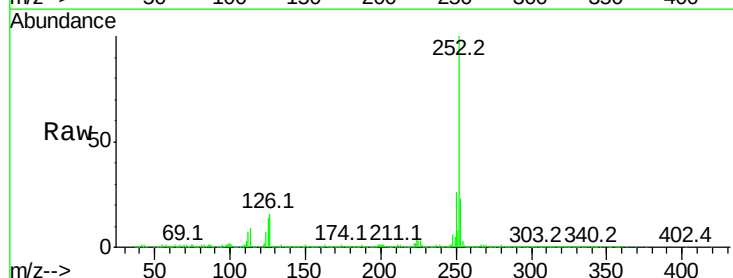
Tgt Ion:252 Resp: 3974579

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.4

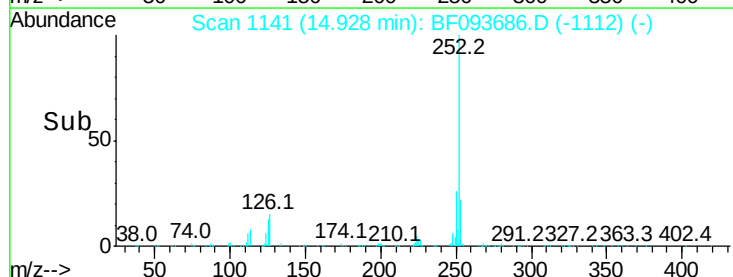
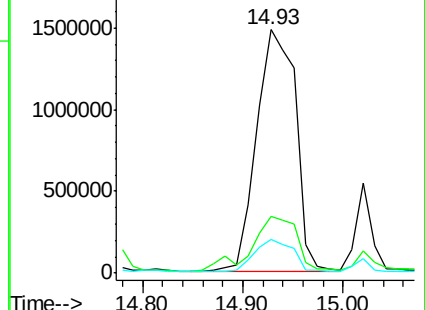
125 13.7 9.8 14.6

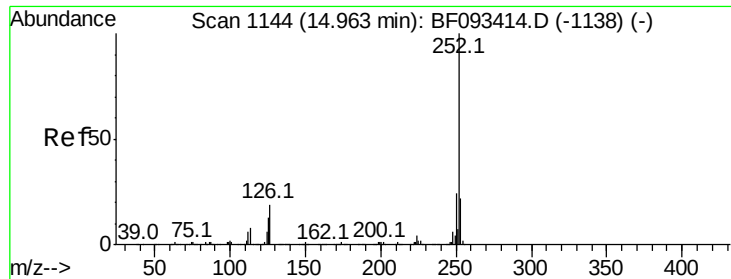


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

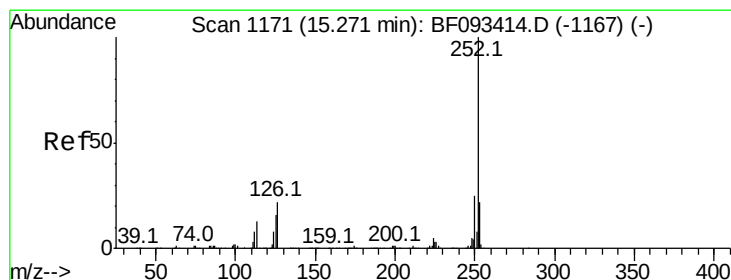
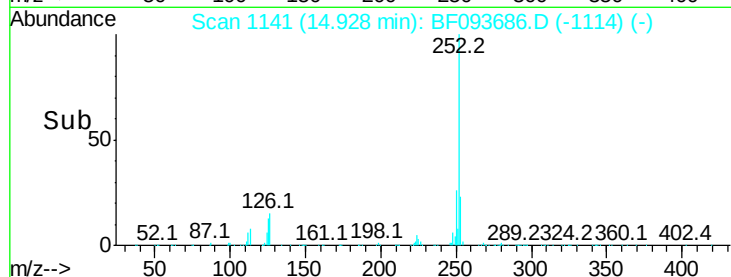
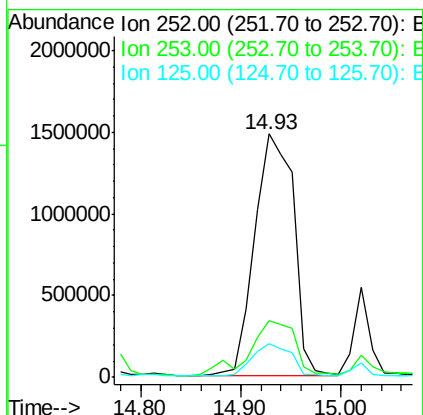
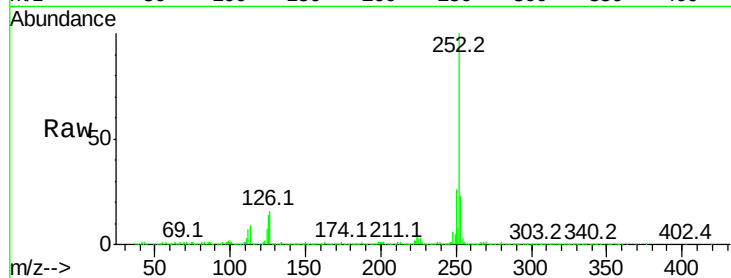




#88
Benzo(k)fluoranthene
Concen: 199.27 ng
RT: 14.93 min Scan# 1141
Delta R.T. 0.01 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

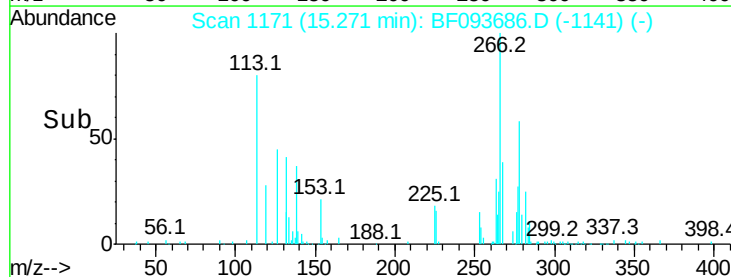
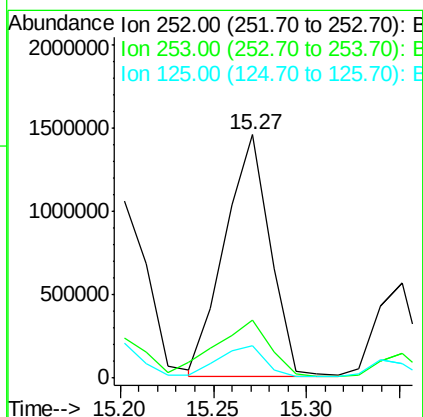
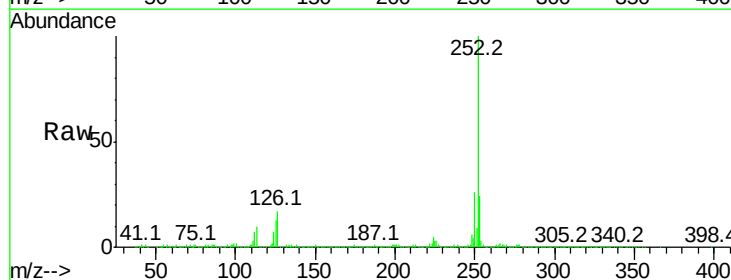
Instrument :
BNA_F
ClientSampleId :
E2-BB7-SSW

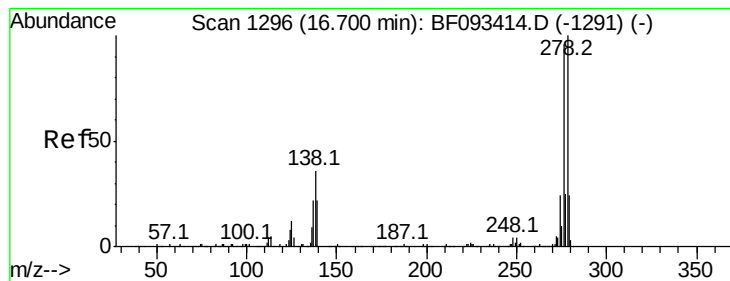
Tot Ion:252 Resp: 3974579
Ion Ratio Lower Upper
252 100
253 23.3 18.5 27.7
125 13.7 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 128.81 ng
RT: 15.27 min Scan# 1171
Delta R.T. 0.05 min
Lab File: BF093686.D
Acq: 15 Mar 2017 23:38

Tgt Ion:252 Resp: 2434851
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 13.2 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 21.61 ng

RT: 16.83 min Scan# 1307

Delta R.T. 0.21 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

Instrument :

BNA_F

ClientSampleId :

E2-BB7-SSW

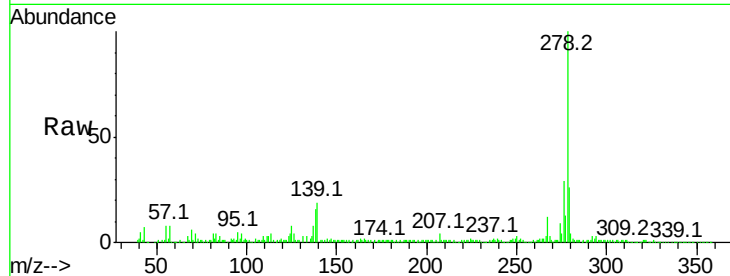
Tot Ion:278 Resp: 337951

Ion	Ratio	Lower	Upper
278	100		
139	19.2	14.8	22.2
279	25.5	19.8	29.6

278 100

139 19.2 14.8 22.2

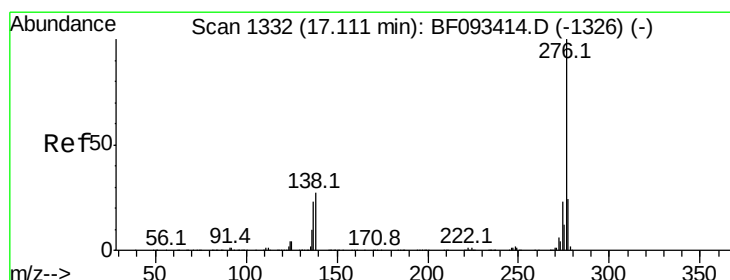
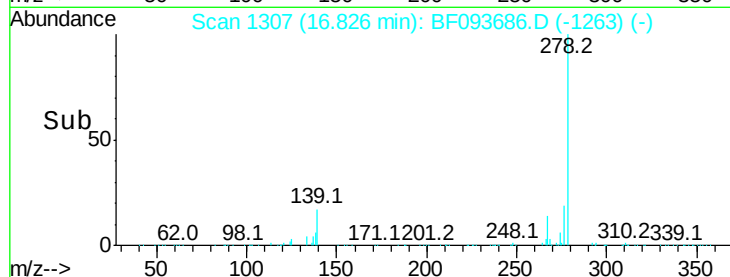
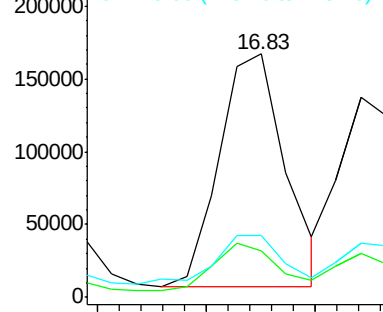
279 25.5 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 81.42 ng

RT: 17.09 min Scan# 1330

Delta R.T. 0.07 min

Lab File: BF093686.D

Acq: 15 Mar 2017 23:38

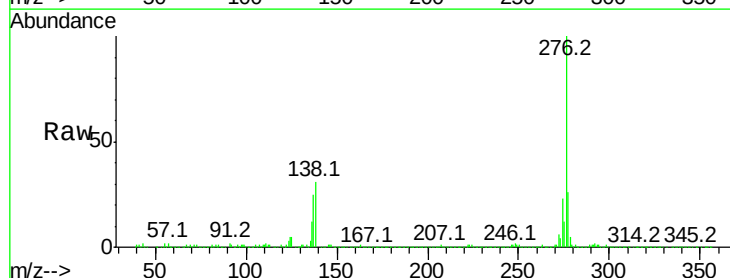
Tgt Ion:276 Resp: 1306819

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	30.6	16.0	24.0

276 100

277 26.3 19.2 28.8

138 30.6 16.0 24.0



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

