

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097187.D
 Acq On : 29 Jul 2017 7:15
 Operator : SJ/JU
 Sample : I4421-13 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSW

Quant Time: Jul 31 00:58:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	106300	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	376981	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	139772	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	215182	20.00	ng	-0.01
75) Chrysene-d12	13.61	240	202913	20.00	ng	-0.02
86) Perylene-d12	14.96	264	140468	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	195074	27.66	ng	-0.02
7) Phenol-d6	6.15	99	243149	30.20	ng	-0.02
23) Nitrobenzene-d5	7.05	82	123204	19.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	28448	25.76	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	182503	22.16	ng	-0.02
78) Terphenyl-d14	12.57	244	142730	14.34	ng	-0.02

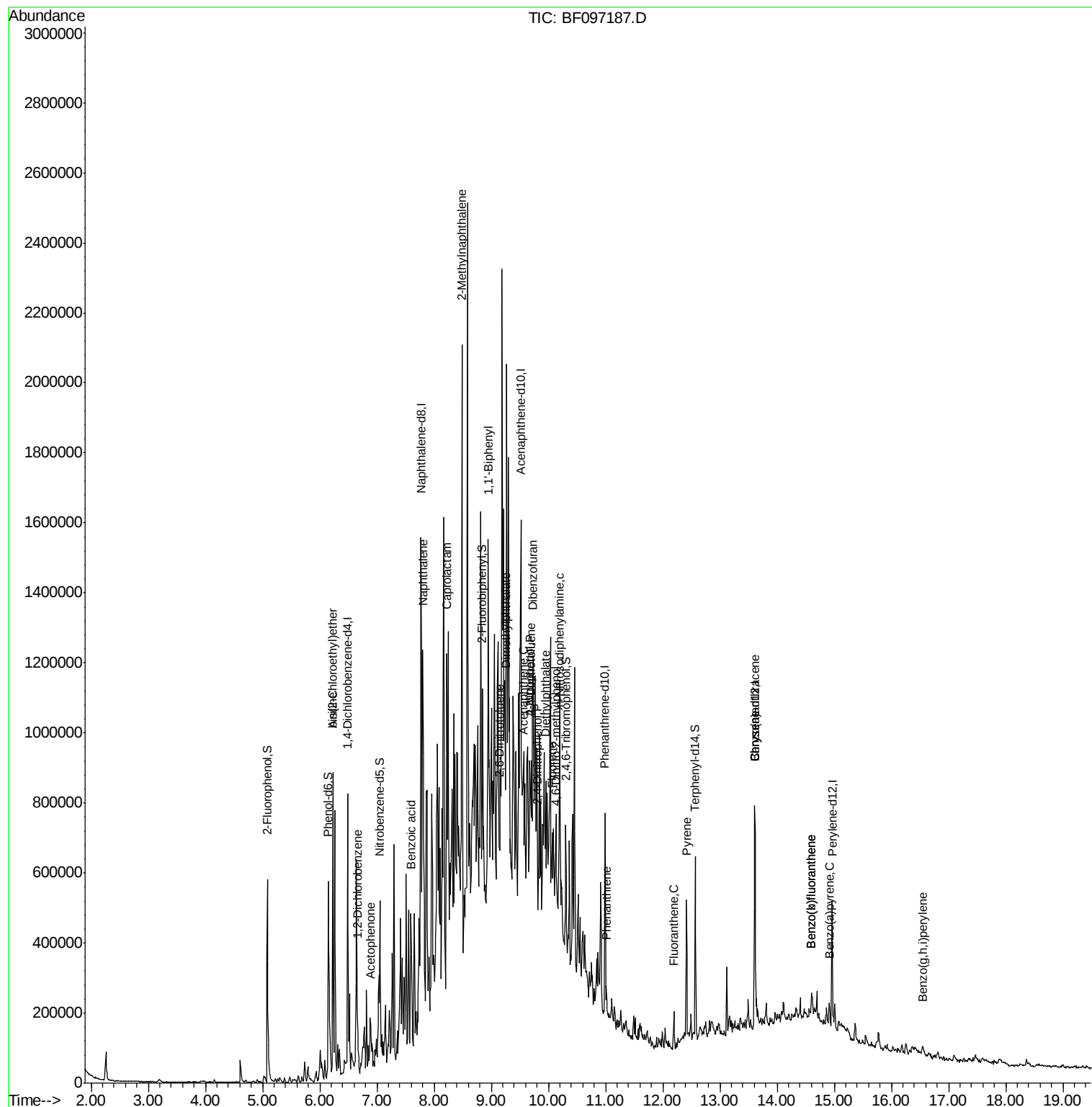
Target Compounds						Qvalue
6) Aniline	6.23	93	245304	24.22	ng	# 51
11) bis(2-Chloroethyl)ether	6.23	93	245304	32.48	ng	91
14) 1,2-Dichlorobenzene	6.66	146	18108	2.58	ng	89
22) Acetophenone	6.89	105	20718	2.29	ng	# 47
31) Naphthalene	7.79	128	305487	17.19	ng	99
32) Benzoic acid	7.59	122	11815	2.65	ng	# 38
35) Caprolactam	8.22	113	12988	7.87	ng	# 1
37) 2-Methylnaphthalene	8.49	142	406806	36.16	ng	100
45) 1,1'-Biphenyl	8.95	154	37212	3.12	ng	95
49) Dimethylphthalate	9.25	163	47768	4.50	ng	# 98
50) 2,6-Dinitrotoluene	9.15	165	5577	2.48	ng	89
51) Acenaphthene	9.55	154	24548	3.09	ng	94
53) 2,4-Dinitrophenol	9.81	184	2684	2.62	ng	88
54) Dibenzofuran	9.72	168	26705	2.52	ng	# 35
55) 4-Nitrophenol	9.67	139	3650	2.20	ng	# 13
56) 2,4-Dinitrotoluene	9.70	165	11858	4.58	ng	# 62
57) Fluorene	10.06	166	36599	4.60	ng	# 89
59) Diethylphthalate	9.95	149	25298	2.60	ng	97
64) 4,6-Dinitro-2-methylphenol	10.14	198	4431	3.31	ng	# 1
65) n-Nitrosodiphenylamine	10.18	169	20830	2.78	ng	# 48
70) Phenanthrene	11.01	178	35564	3.08	ng	# 94
74) Fluoranthene	12.19	202	43789	3.88	ng	97
77) Pyrene	12.42	202	47190	2.84	ng	97
80) Benzo(a)anthracene	13.60	228	29596	2.25	ng	96
82) Chrysene	13.60	228	29596	2.31	ng	97
87) Benzo(b)fluoranthene	14.60	252	43162	5.11	ng	# 89
88) Benzo(k)fluoranthene	14.60	252	43162	5.36	ng	# 91
89) Benzo(a)pyrene	14.91	252	25232	3.27	ng	# 84
91) Benzo(g,h,i)perylene	16.54	276	14194	2.14	ng	95

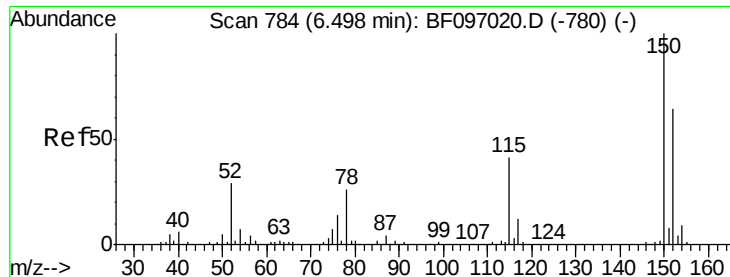
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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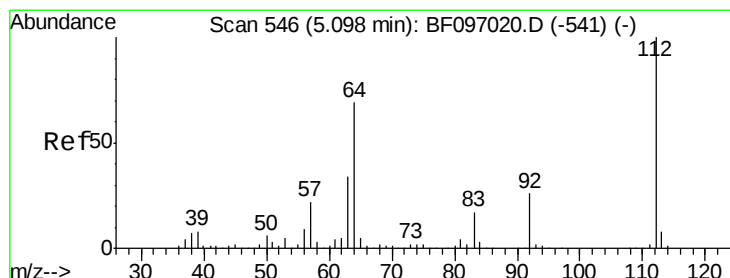
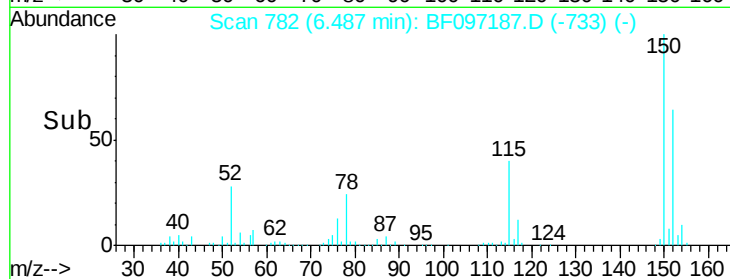
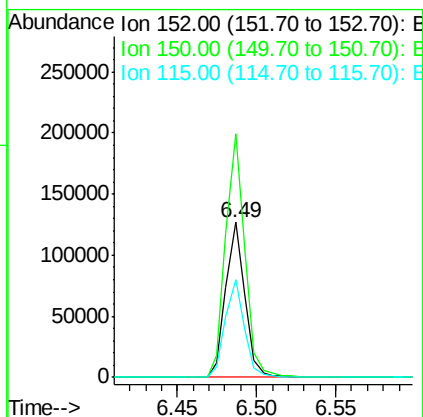
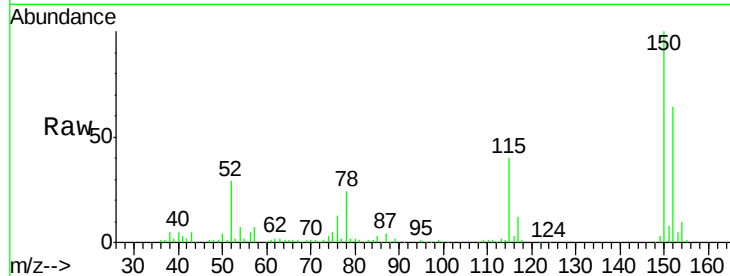


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

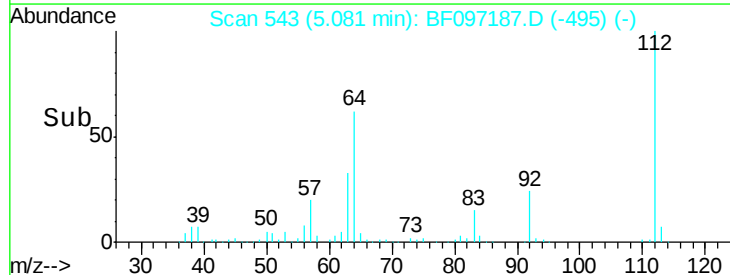
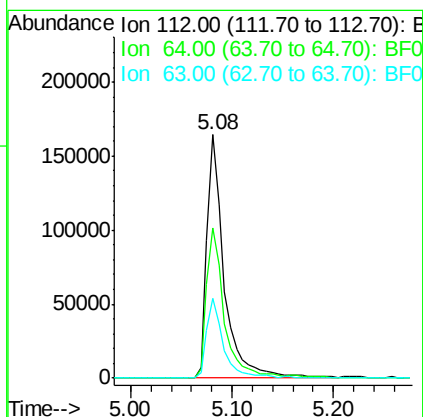
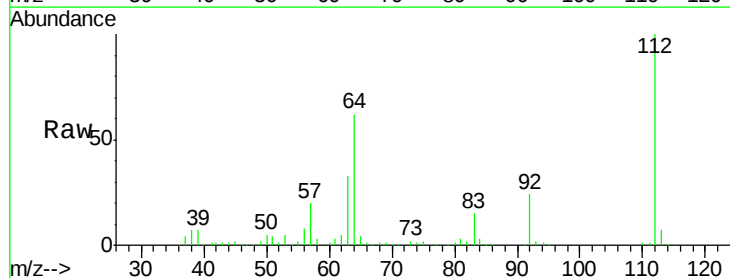
Tot Ion:152 Resp: 106300
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.2
115 63.1 52.2 78.2

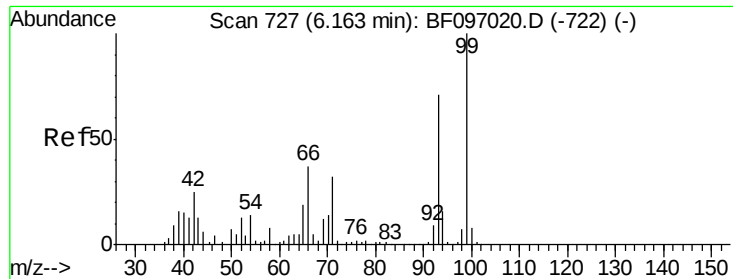


#5

2-Fluorophenol
Concen: 27.66 ng
RT: 5.08 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

Tgt Ion:112 Resp: 195074
Ion Ratio Lower Upper
112 100
64 61.9 46.0 69.0
63 32.9 23.4 35.0





#6

Aniline

Concen: 24.22 ng

RT: 6.23 min Scan# 738

Delta R.T. 0.06 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

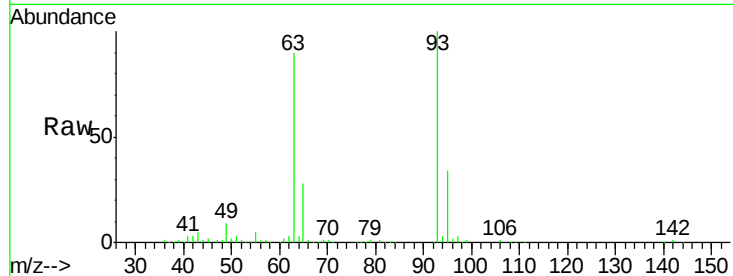
Tot Ion: 93 Resp: 245304

Ion Ratio Lower Upper

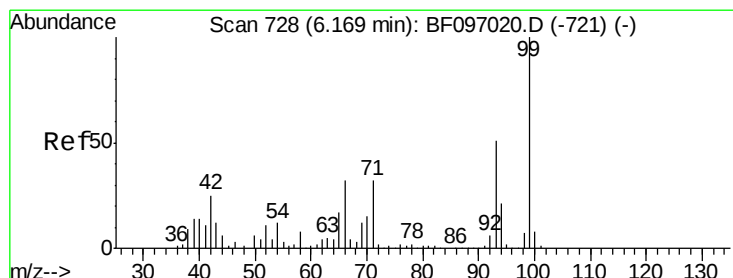
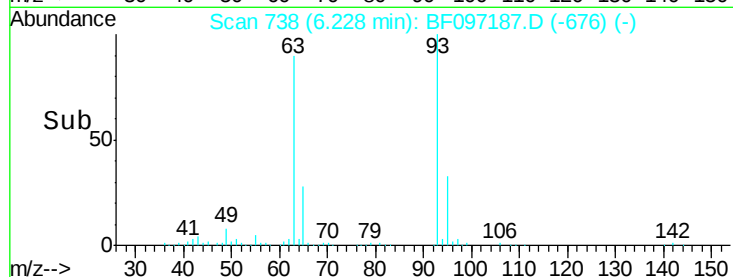
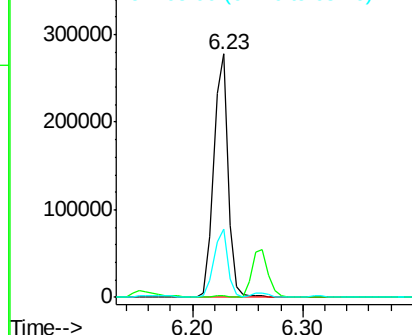
93 100

66 0.5 32.9 49.3#

65 27.9 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 30.20 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

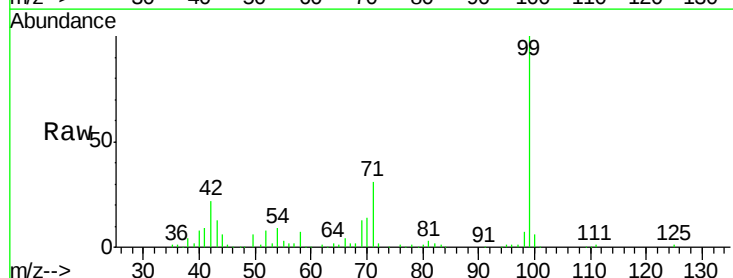
Tgt Ion: 99 Resp: 243149

Ion Ratio Lower Upper

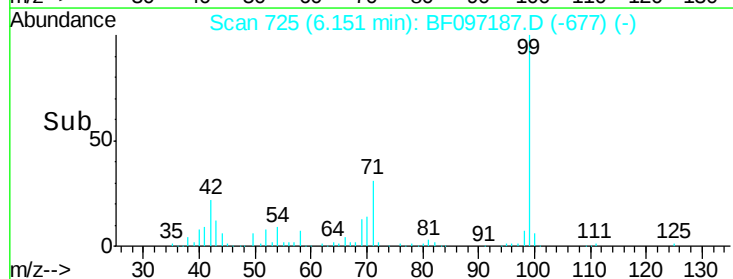
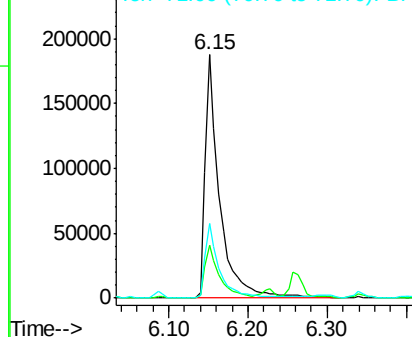
99 100

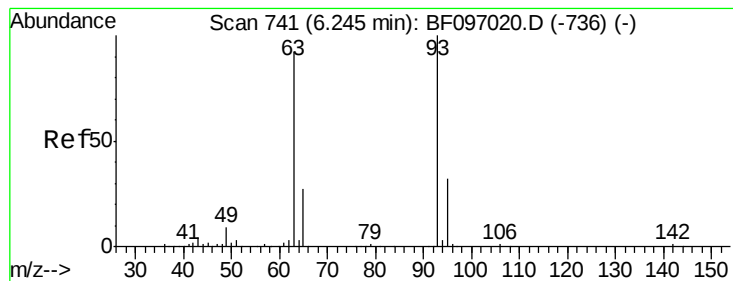
42 21.8 13.5 20.3#

71 30.6 24.5 36.7



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





#11

bis(2-Chloroethyl)ether

Concen: 32.48 ng

RT: 6.23 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

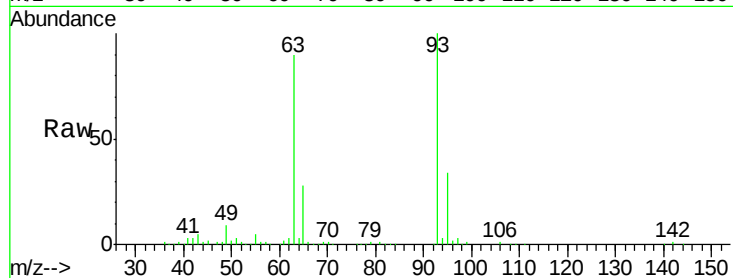
Tot Ion: 93 Resp: 245304

Ion Ratio Lower Upper

93 100

63 89.6 59.2 99.2

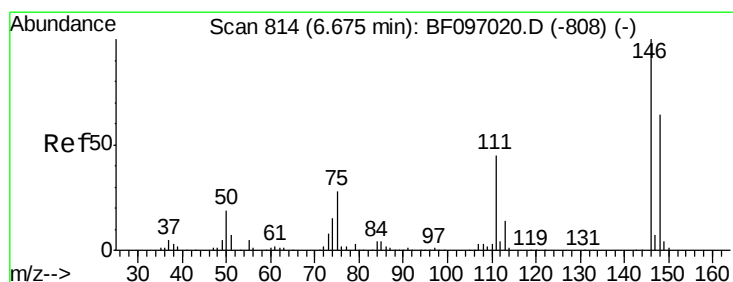
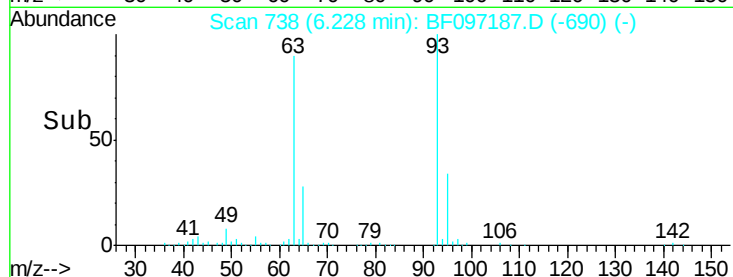
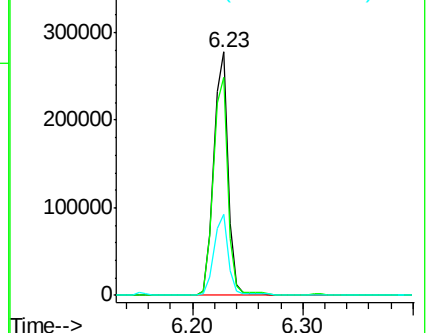
95 33.5 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#14

1,2-Dichlorobenzene

Concen: 2.58 ng

RT: 6.66 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

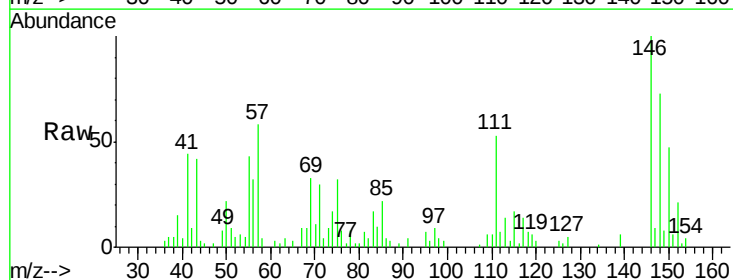
Tgt Ion: 146 Resp: 18108

Ion Ratio Lower Upper

146 100

148 73.2 50.4 75.6

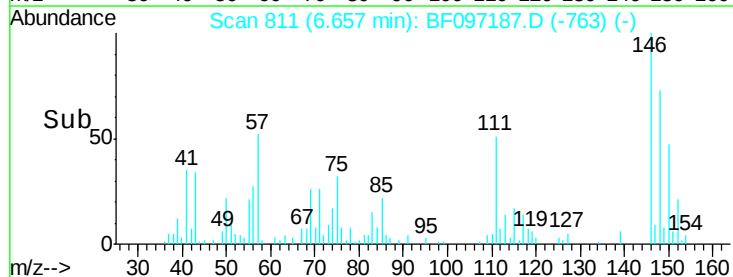
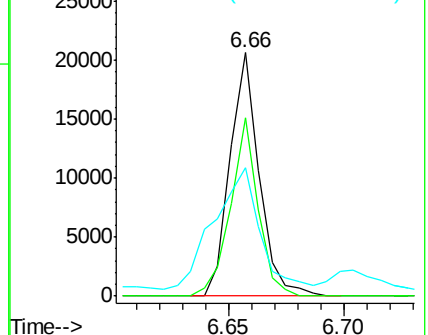
111 52.8 38.2 57.4

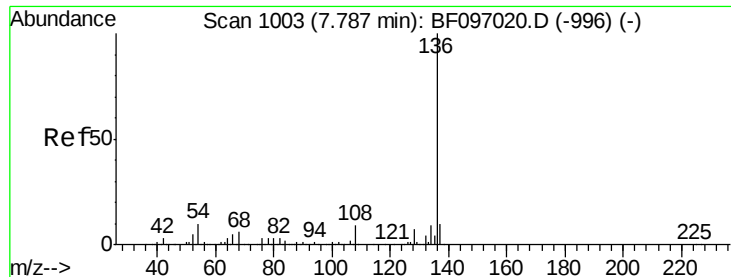


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

Tot Ion:136 Resp: 376981

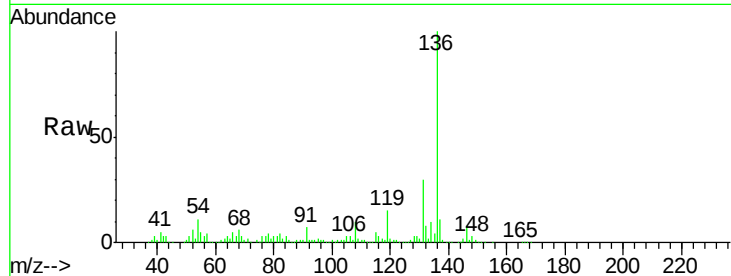
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 11.3 4.9 7.3#

68 6.2 4.1 6.1#

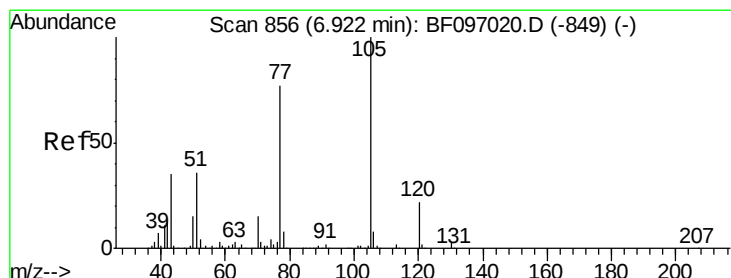
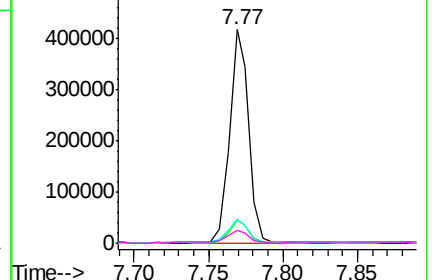
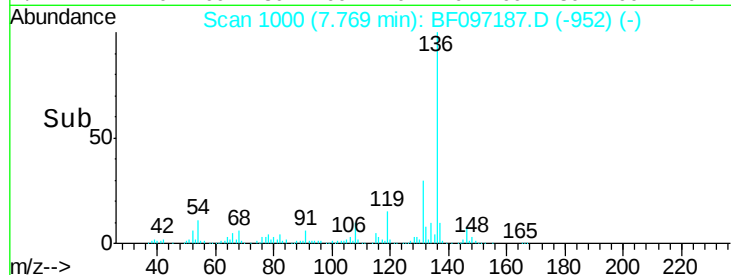


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 2.29 ng

RT: 6.89 min Scan# 851

Delta R.T. -0.03 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

Tgt Ion:105 Resp: 20718

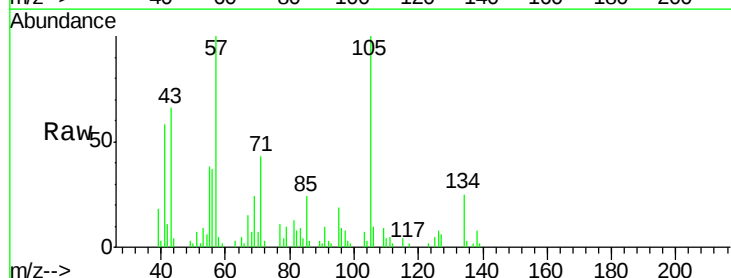
Ion Ratio Lower Upper

105 100

71 43.4 2.8 4.2#

51 7.3 30.7 46.1#

120 0.0 17.4 26.0#

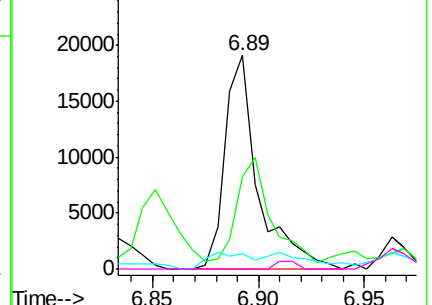
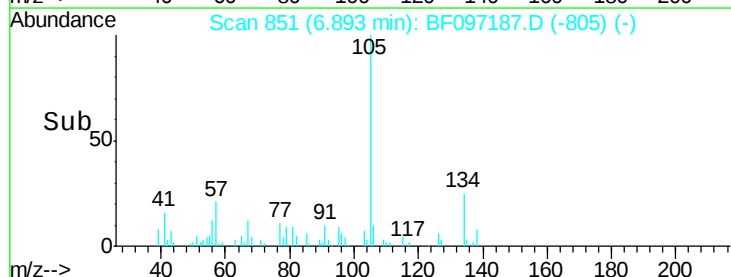


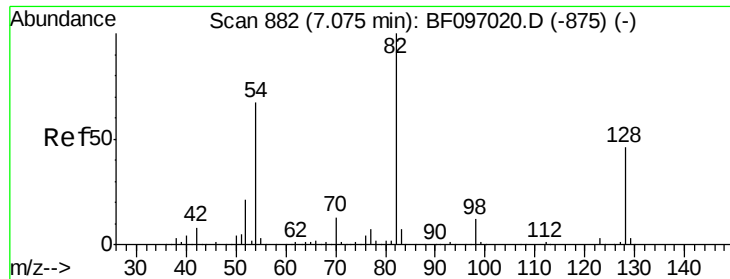
Abundance Ion 105.00 (104.70 to 105.70): E

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

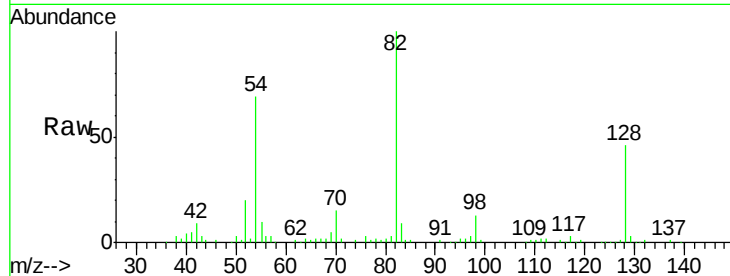




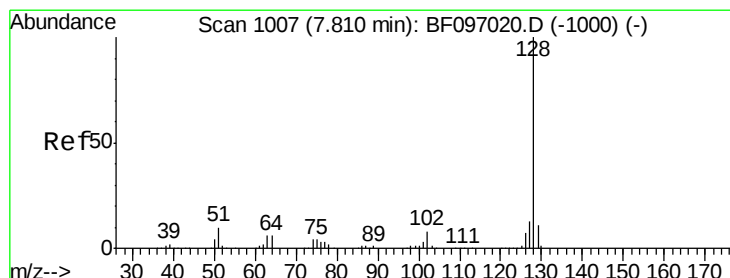
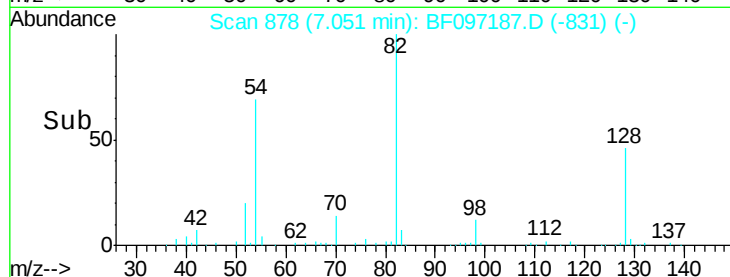
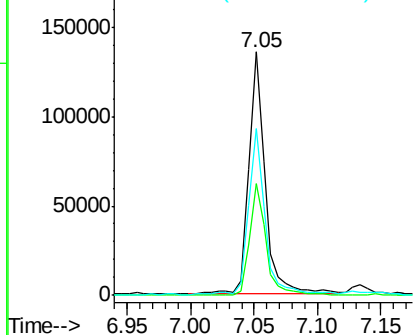
#23
Nitrobenzene-d5
Concen: 19.17 ng
RT: 7.05 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

Instrument :
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ClientSampleId :
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Tot Ion	82	Resp	123204
Ion Ratio	Lower	Upper	
82	100		
128	45.8	34.0	51.0
54	68.8	42.2	63.2#

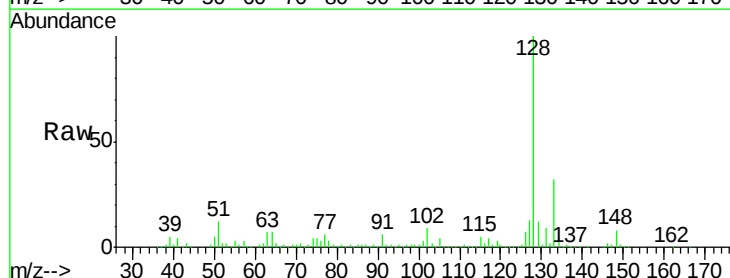


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

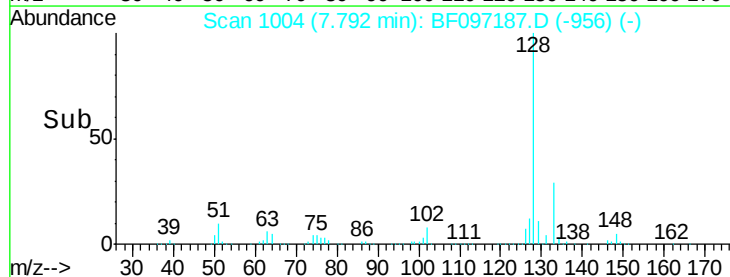
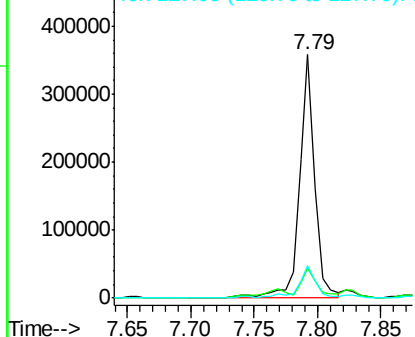


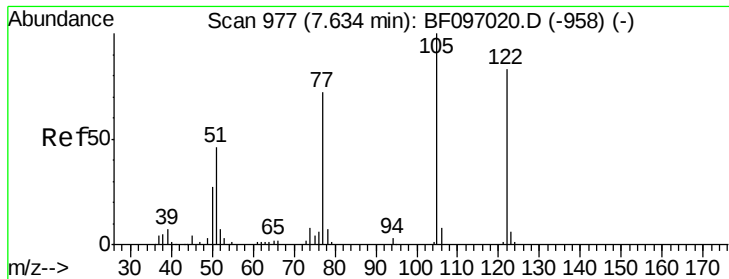
#31
Naphthalene
Concen: 17.19 ng
RT: 7.79 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

Tgt Ion	128	Resp	305487
Ion Ratio	Lower	Upper	
128	100		
129	12.3	9.0	13.6
127	13.3	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: 2.65 ng

RT: 7.59 min Scan# 970

Delta R.T. -0.04 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

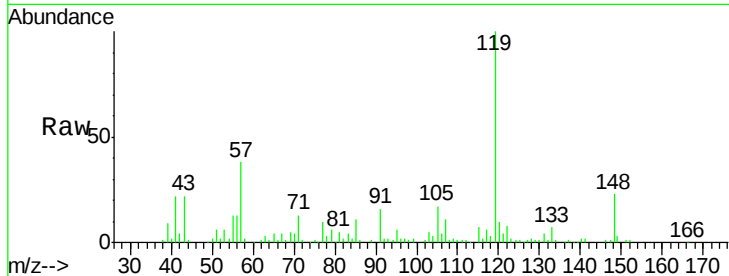
Tot Ion:122 Resp: 11815

Ion Ratio Lower Upper

122 100

105 214.0 103.3 143.3#

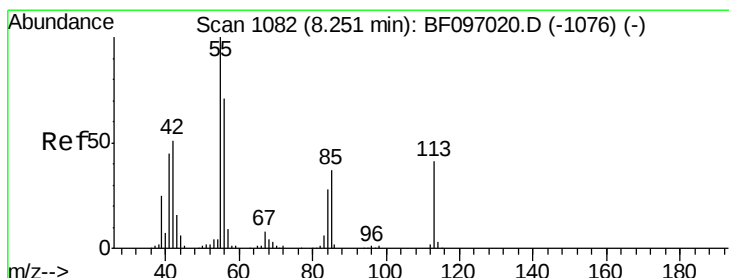
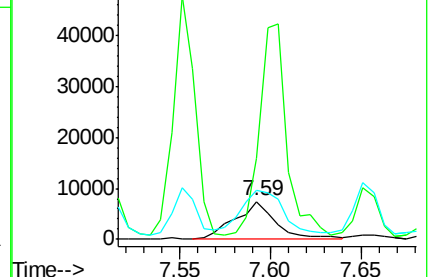
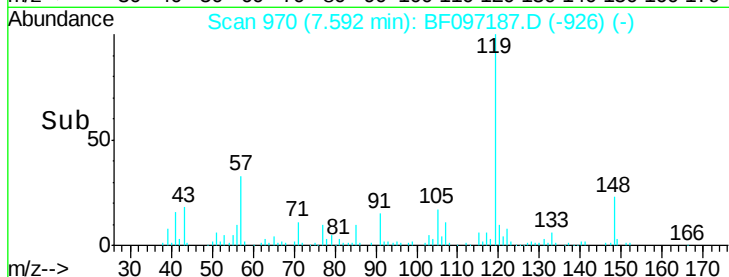
77 129.6 73.7 113.7#



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



#35

Caprolactam

Concen: 7.87 ng

RT: 8.22 min Scan# 1077

Delta R.T. -0.03 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

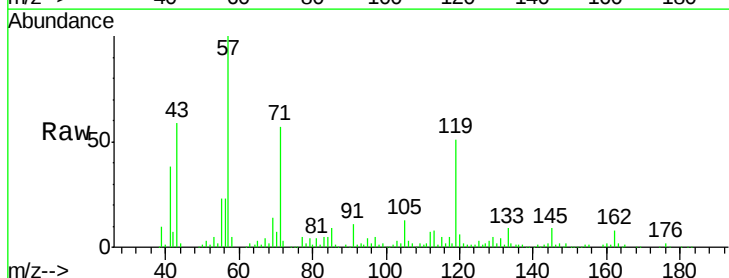
Tgt Ion:113 Resp: 12988

Ion Ratio Lower Upper

113 100

55 310.4 150.2 190.2#

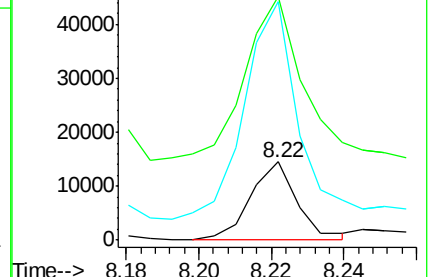
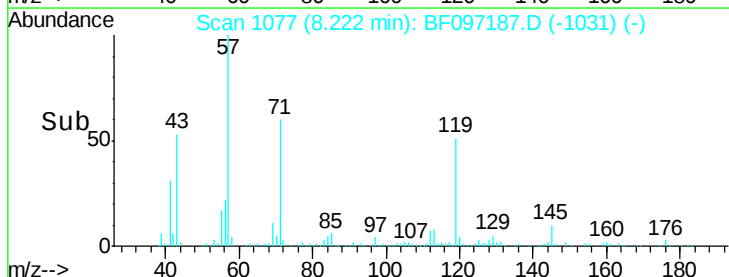
56 303.9 107.8 147.8#

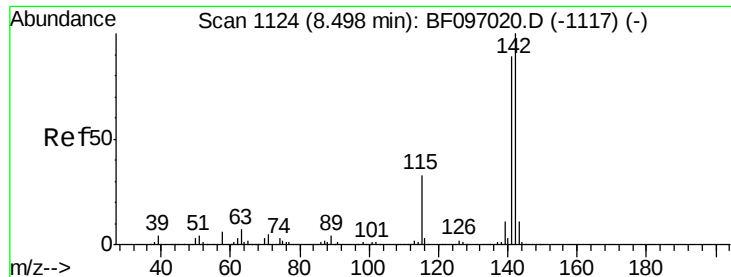


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

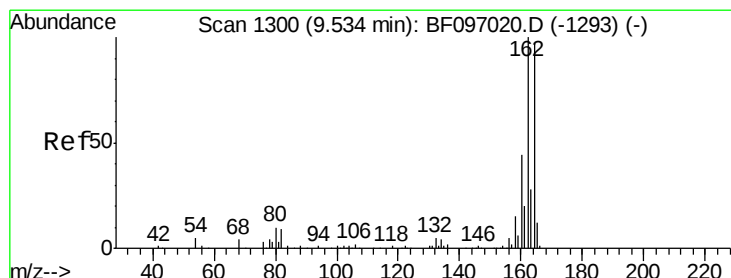
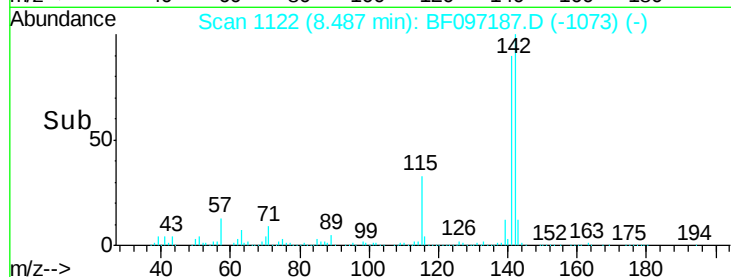
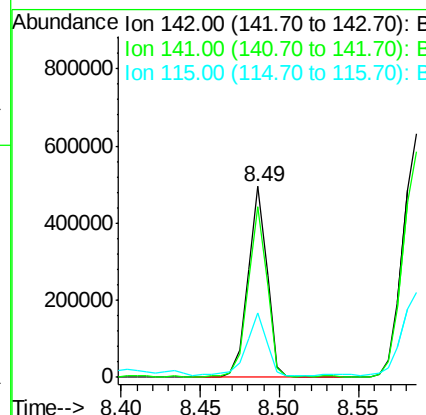
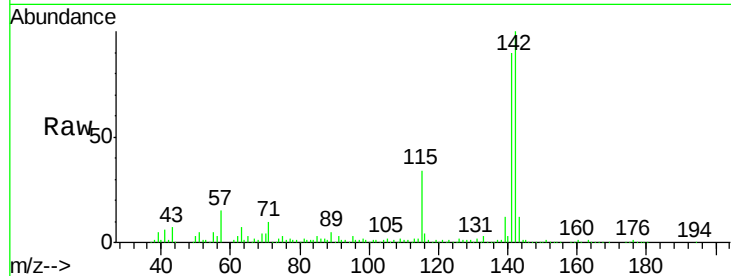




#37
 2-Methylnaphthalene
 Concen: 36.16 ng
 RT: 8.49 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BF097187.D
 Acq: 29 Jul 2017 7:15

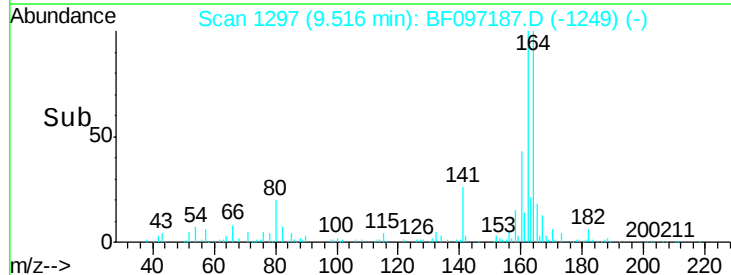
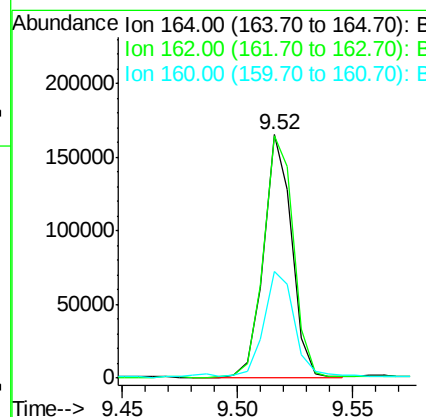
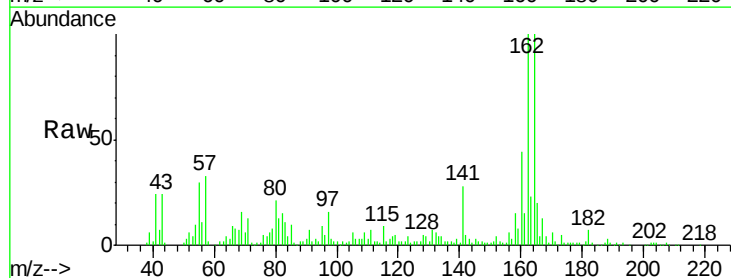
Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSW

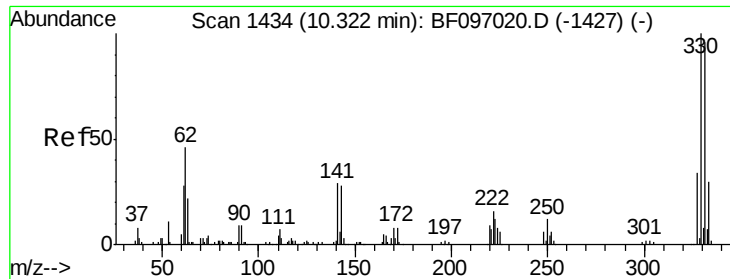
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.3	106.9
115	33.8	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097187.D
 Acq: 29 Jul 2017 7:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.6	123.8
160	43.9	36.2	54.2

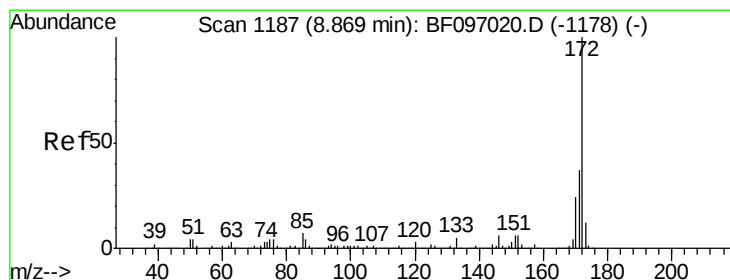
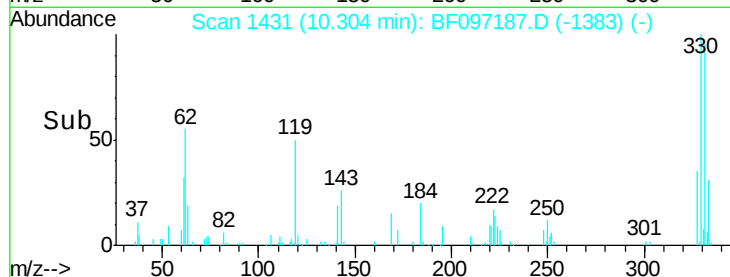
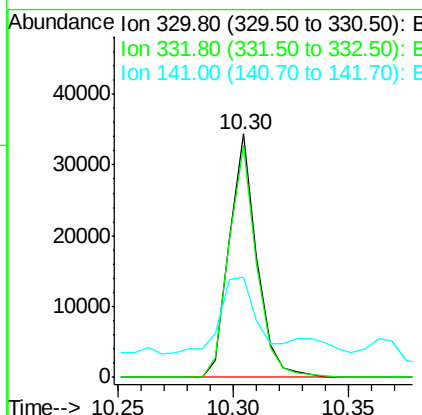
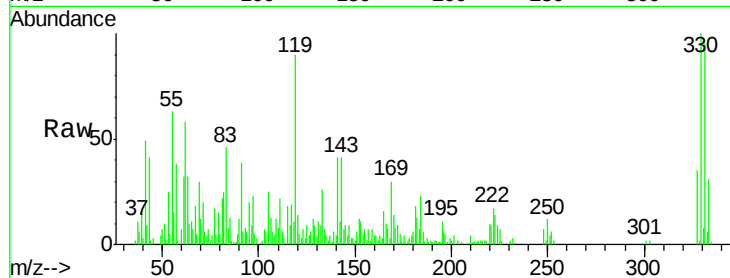




#41
 2,4,6-Tribromophenol
 Concen: 25.76 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF097187.D
 Acq: 29 Jul 2017 7:15

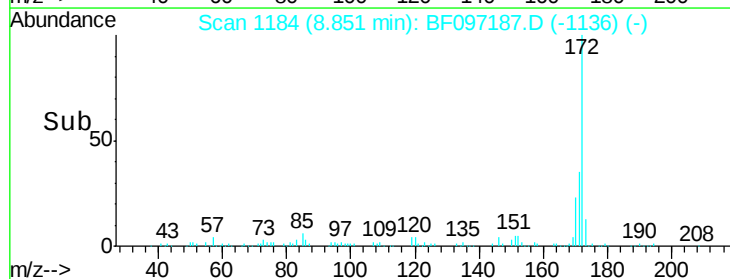
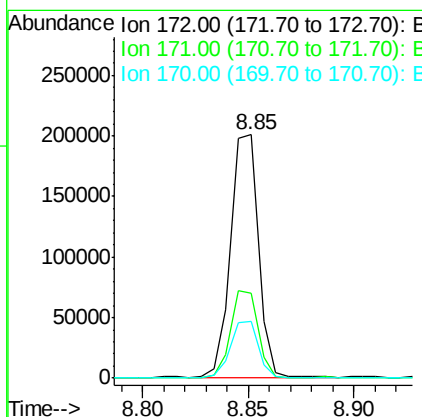
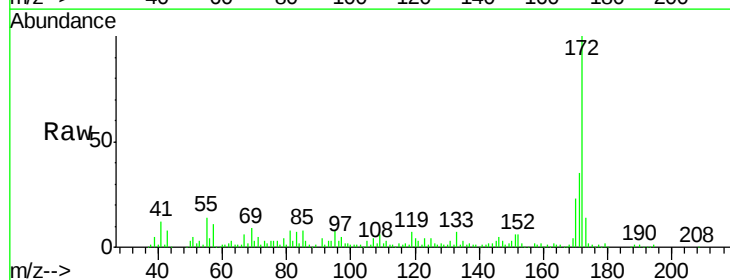
Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSW

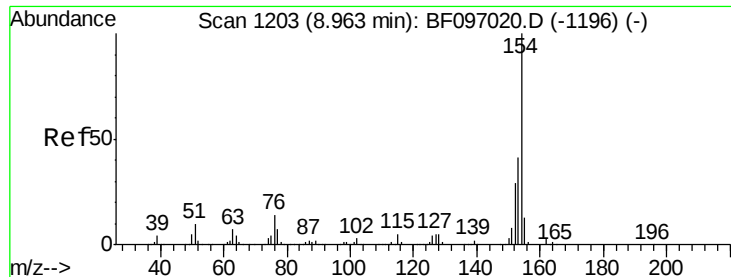
Tot Ion:330 Resp: 28448
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 39.7 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 22.16 ng
 RT: 8.85 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF097187.D
 Acq: 29 Jul 2017 7:15

Tgt Ion:172 Resp: 182503
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.6 44.4
 170 23.3 19.8 29.8





#45

1,1'-Biphenyl

Concen: 3.12 ng

RT: 8.95 min Scan# 1200

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

Instrument :

BNA_F

ClientSampled :

E2-N7-SSW

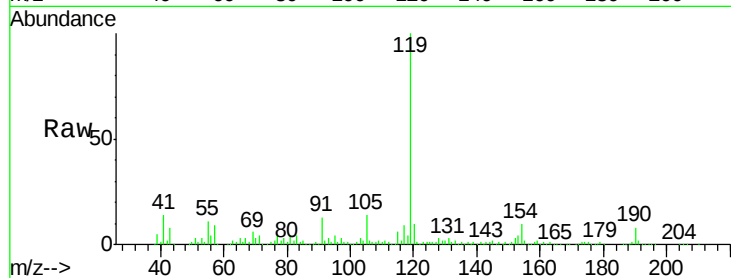
Tot Ion:154 Resp: 37212

Ion Ratio Lower Upper

154 100

153 42.5 21.2 61.2

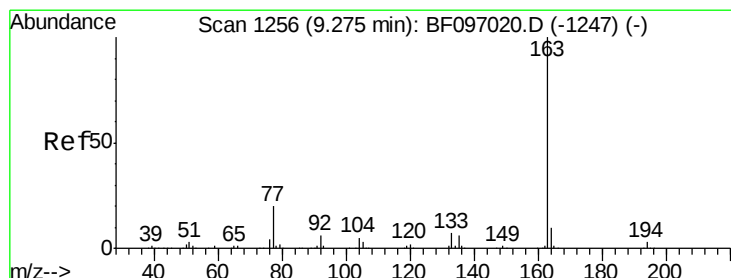
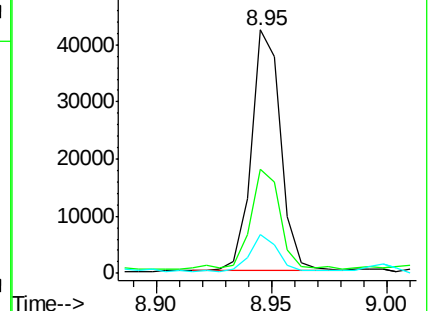
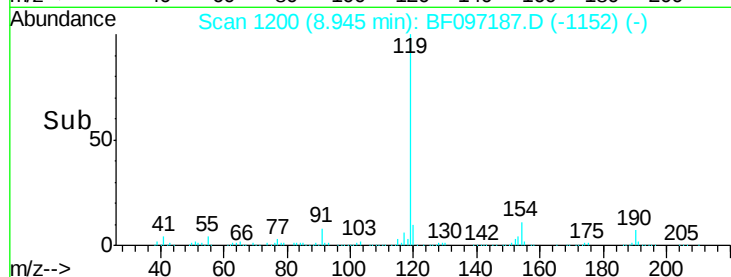
76 15.7 0.0 29.9



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



#49

Dimethylphthalate

Concen: 4.50 ng

RT: 9.25 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

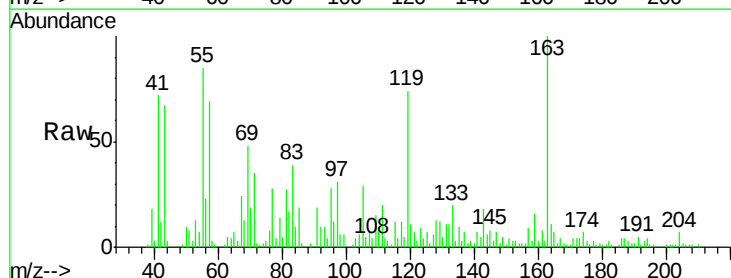
Tgt Ion:163 Resp: 47768

Ion Ratio Lower Upper

163 100

194 4.3 2.6 4.0#

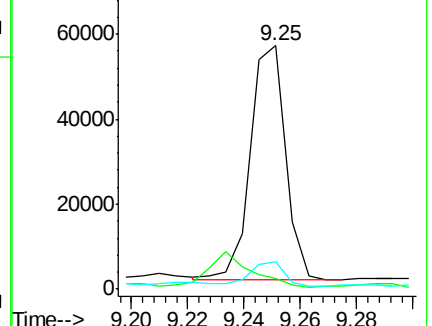
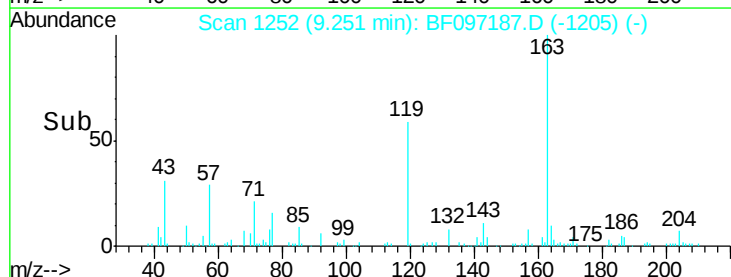
164 11.1 8.4 12.6

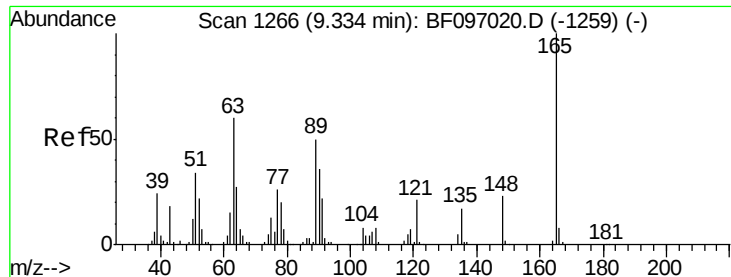


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

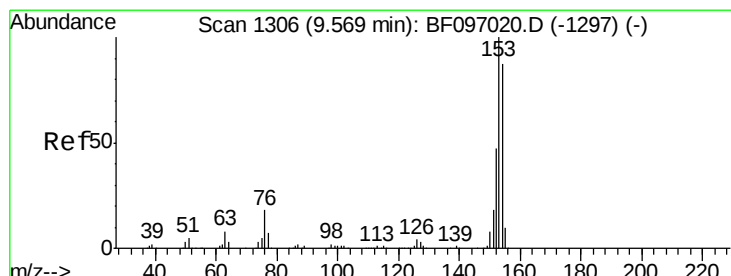
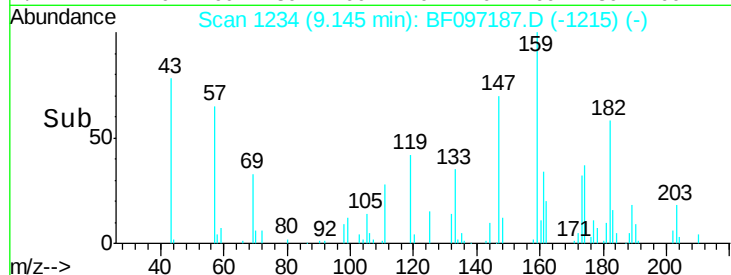
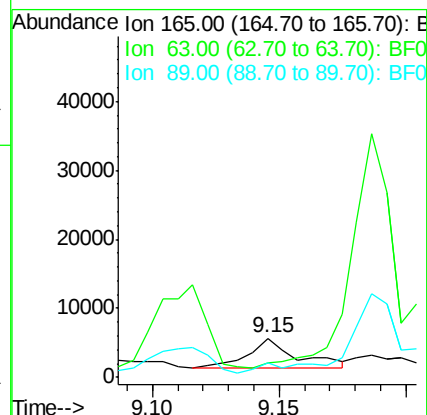
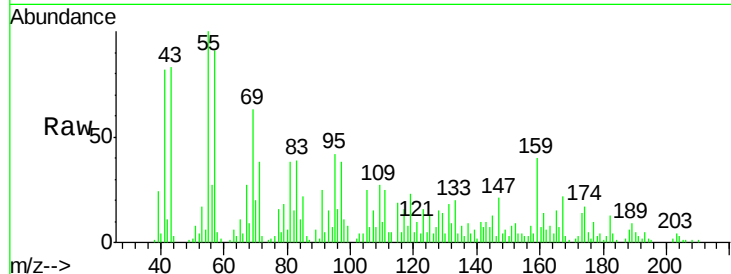




#50
 2,6-Dinitrotoluene
 Concen: 2.48 ng
 RT: 9.15 min Scan# 1234
 Delta R.T. -0.19 min
 Lab File: BF097187.D
 Acq: 29 Jul 2017 7:15

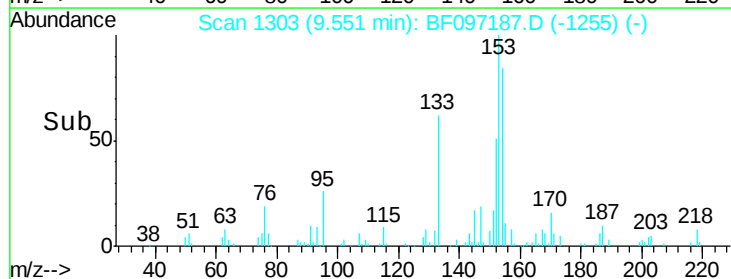
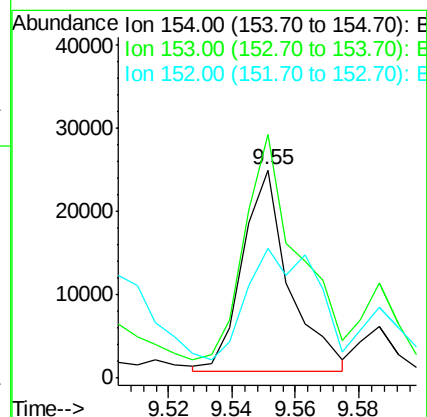
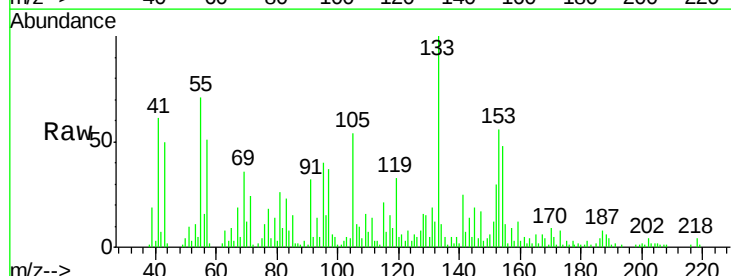
Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSW

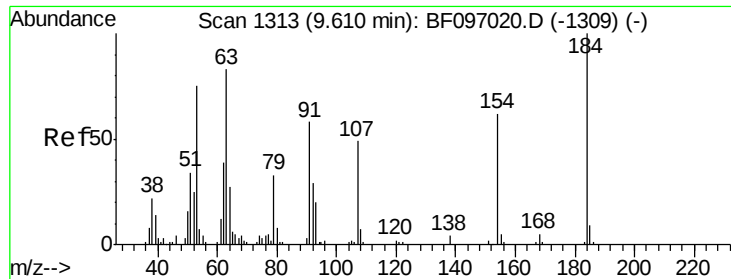
Tot Ion	Ratio	Lower	Upper
165	100		
63	36.9	34.3	51.5
89	37.8	37.1	55.7



#51
 Acenaphthene
 Concen: 3.09 ng
 RT: 9.55 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF097187.D
 Acq: 29 Jul 2017 7:15

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.9	90.5	135.7
152	62.6	43.6	65.4

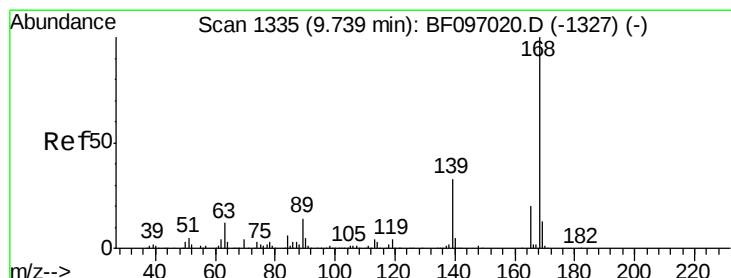
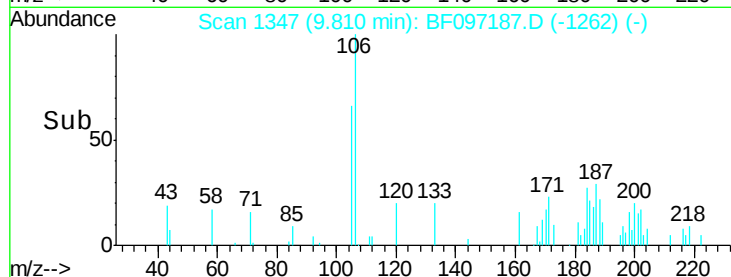
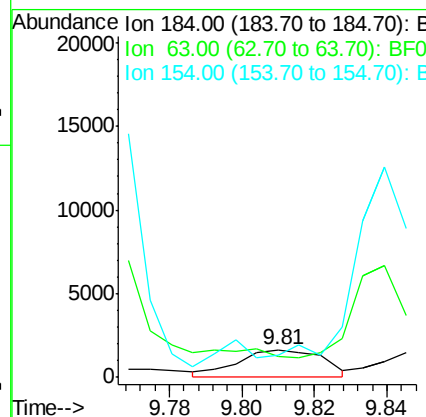
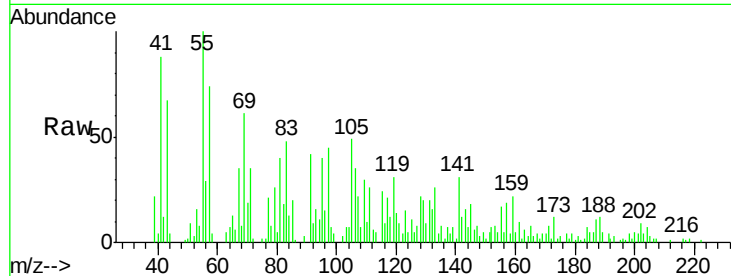




#53
2,4-Dinitrophenol
Concen: 2.62 ng
RT: 9.81 min Scan# 1347
Delta R.T. 0.20 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

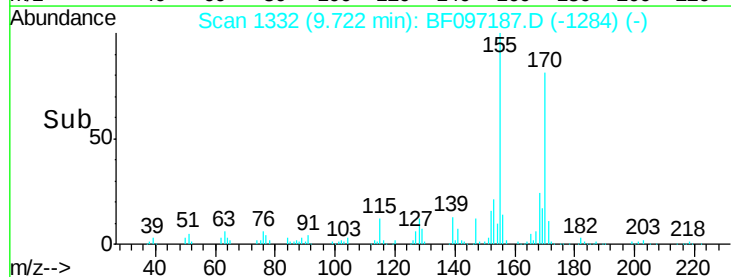
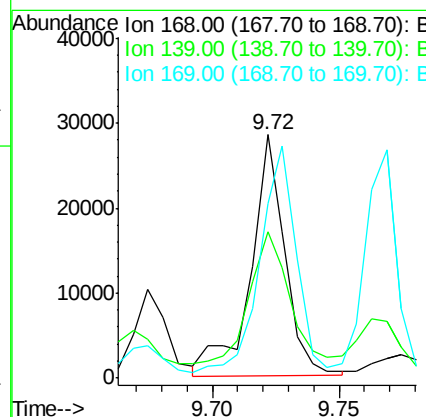
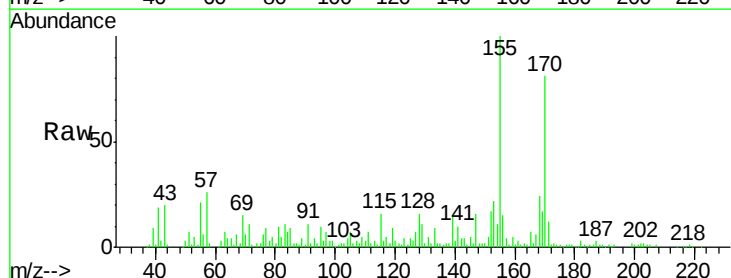
Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

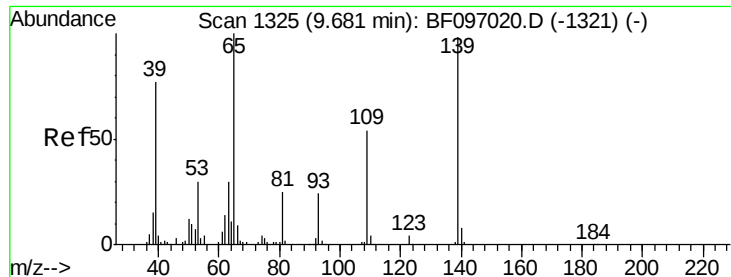
Tot Ion:184 Resp: 2684
Ion Ratio Lower Upper
184 100
63 75.1 62.7 94.1
154 82.1 81.1 121.7



#54
Dibenzofuran
Concen: 2.52 ng
RT: 9.72 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

Tgt Ion:168 Resp: 26705
Ion Ratio Lower Upper
168 100
139 60.2 30.6 45.8#
169 71.4 10.8 16.2#

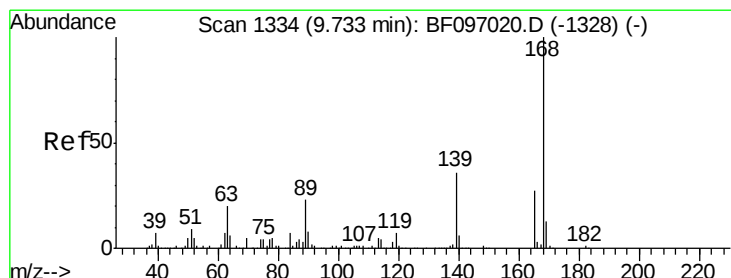
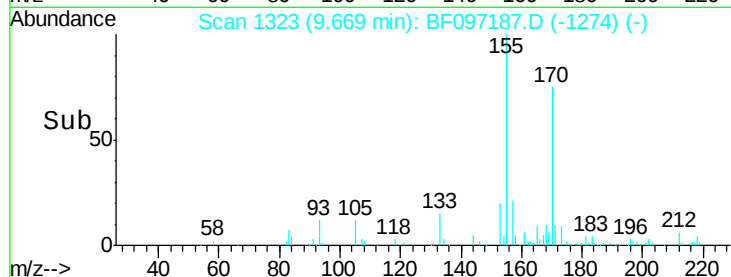
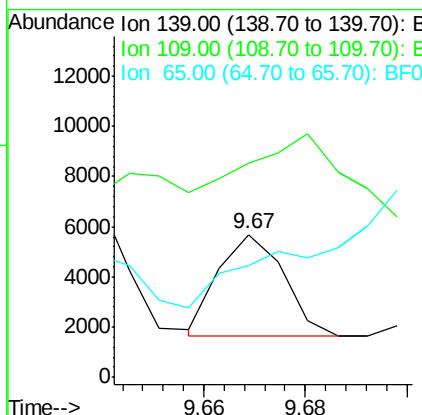
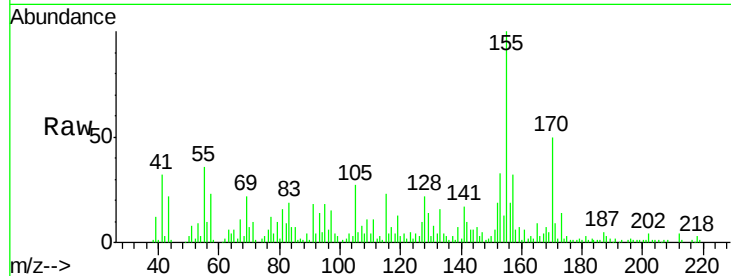




#55
4-Nitrophenol
Concen: 2.20 ng
RT: 9.67 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

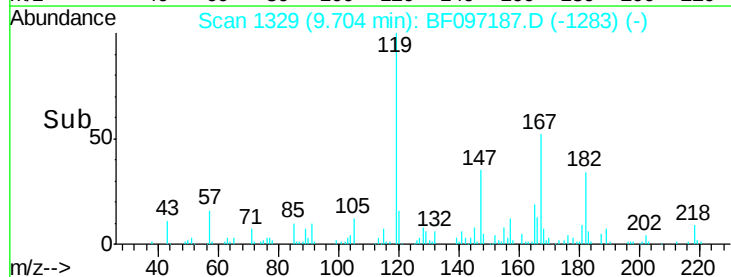
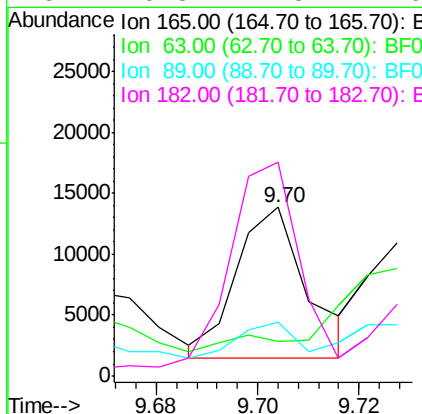
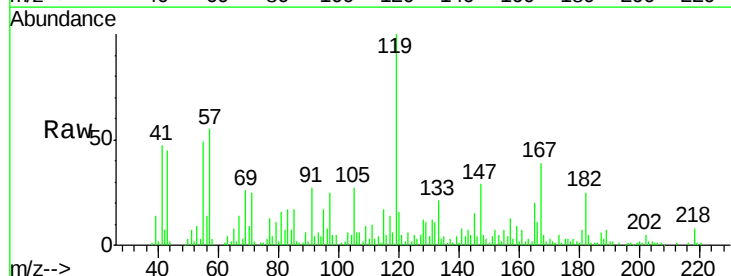
Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

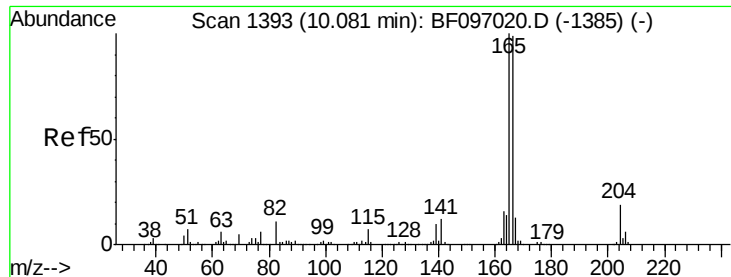
Tot Ion:139 Resp: 3650
Ion Ratio Lower Upper
139 100
109 149.9 34.1 74.1#
65 78.3 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 4.58 ng
RT: 9.70 min Scan# 1329
Delta R.T. -0.03 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

Tgt Ion:165 Resp: 11858
Ion Ratio Lower Upper
165 100
63 20.9 25.4 38.0#
89 31.8 46.4 69.6#
182 126.8 1.8 2.6#





#57

Fluorene

Concen: 4.60 ng

RT: 10.06 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

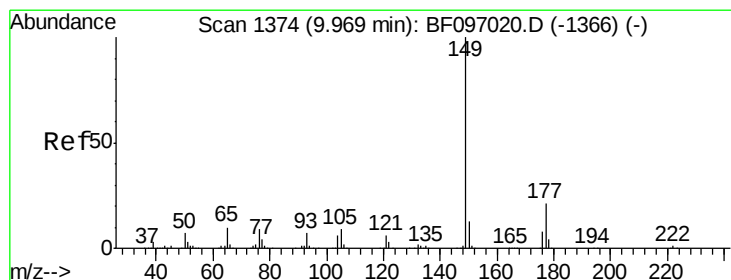
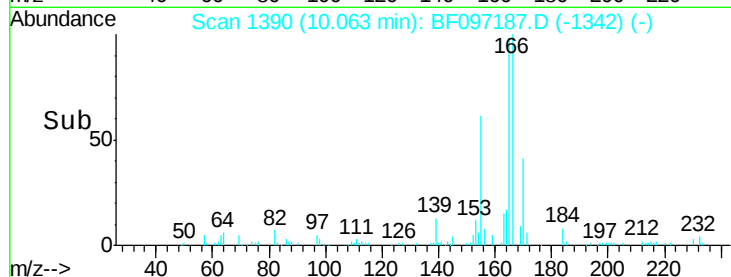
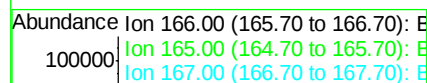
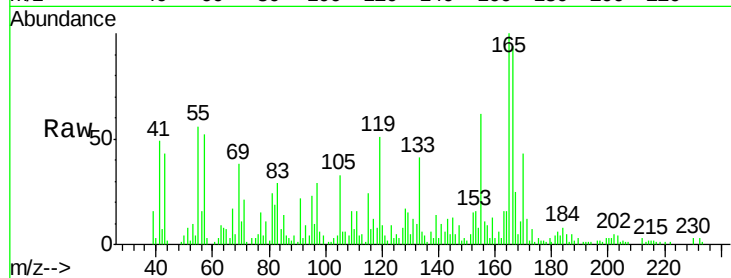
Tot Ion:166 Resp: 36599

Ion Ratio Lower Upper

166 100

165 106.8 78.8 118.2

167 27.0 10.6 16.0#



#59

Diethylphthalate

Concen: 2.60 ng

RT: 9.95 min Scan# 1370

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

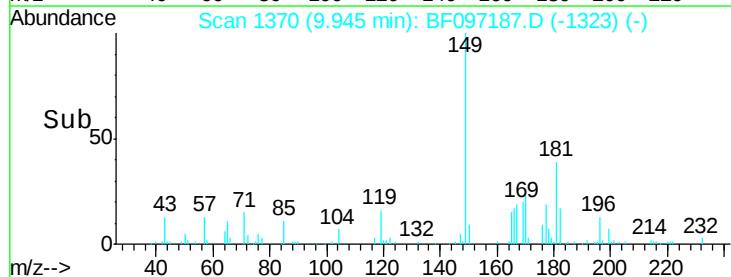
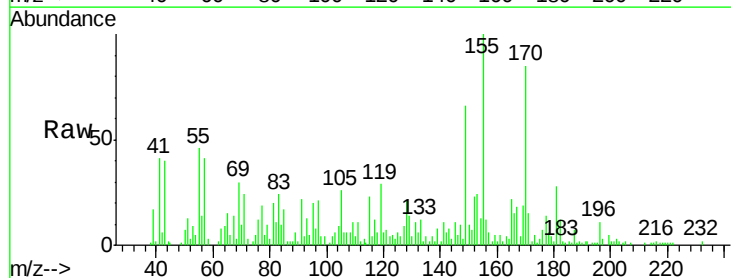
Tgt Ion:149 Resp: 25298

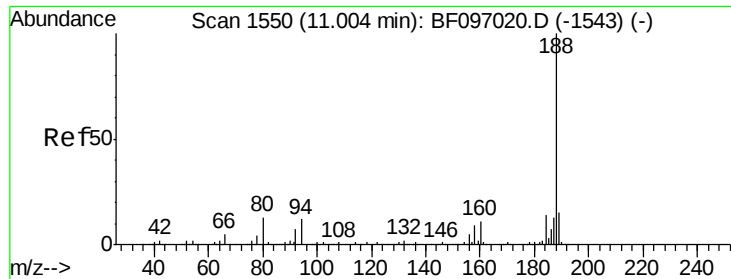
Ion Ratio Lower Upper

149 100

177 21.6 16.7 25.1

150 14.7 10.2 15.2

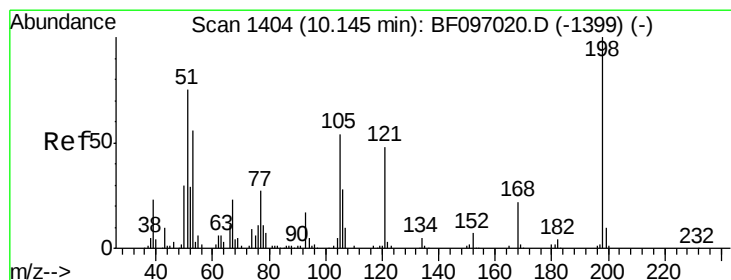
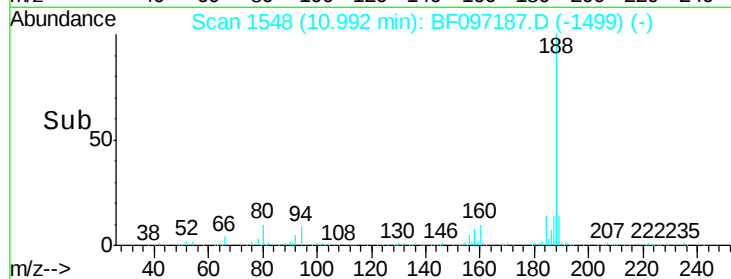
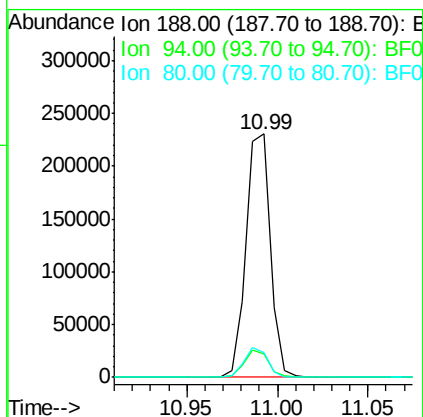
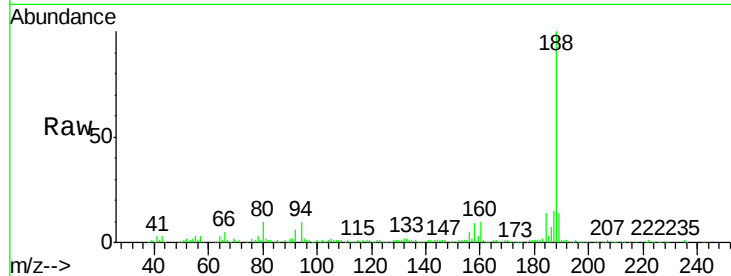




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

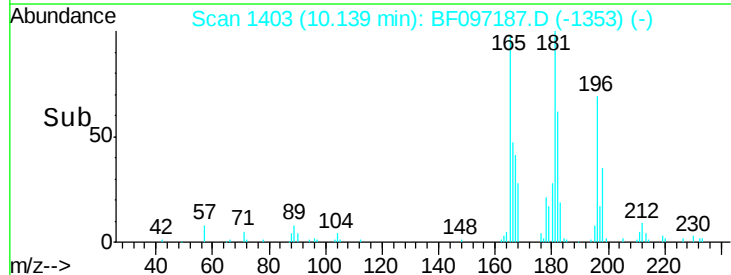
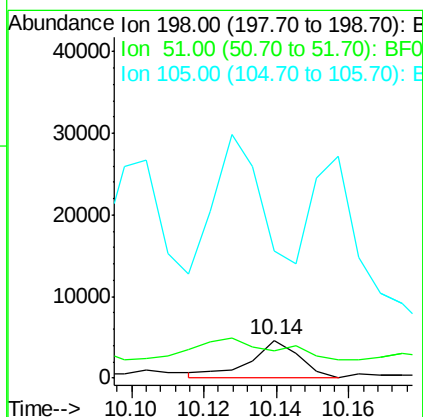
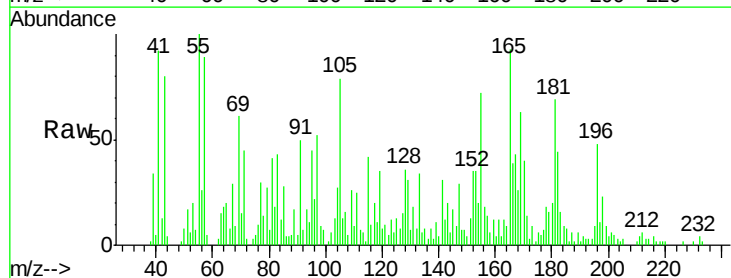
Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

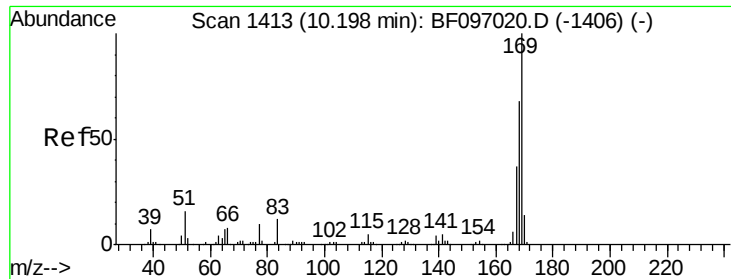
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.4	14.2
80	10.0	10.2	15.2#



#64
4,6-Dinitro-2-methylphenol
Concen: 3.31 ng
RT: 10.14 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

Tgt Ion	Ratio	Lower	Upper
198	100		
51	72.0	53.2	93.2
105	335.2	45.8	85.8#

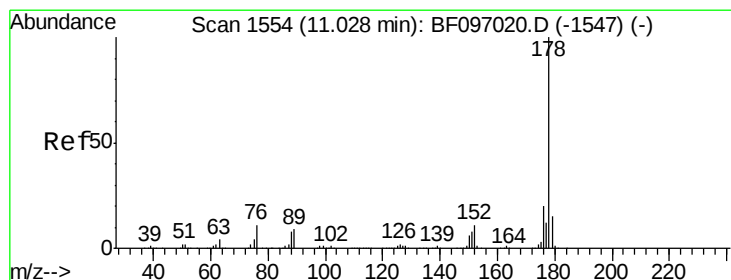
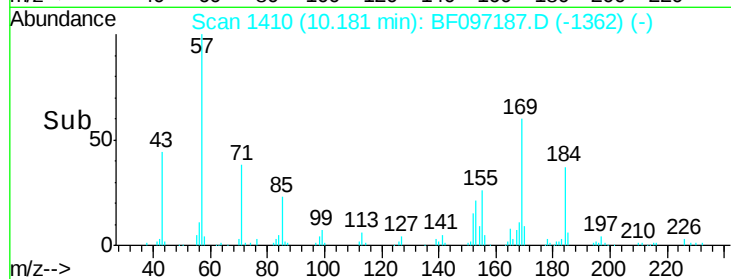
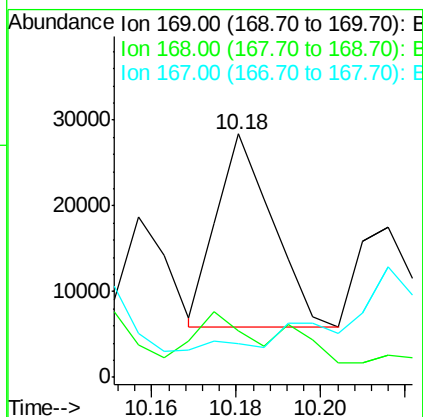
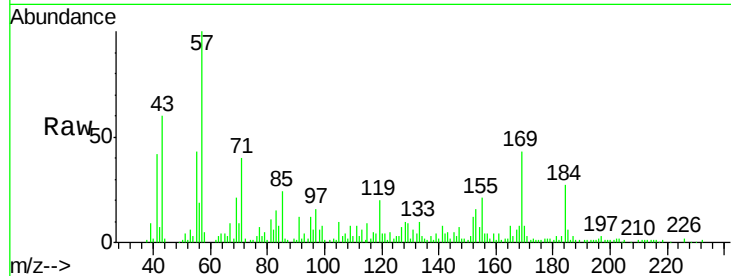




#65
 n-Nitrosodiphenylamine
 Concen: 2.78 ng
 RT: 10.18 min Scan# 1410
 Delta R.T. -0.02 min
 Lab File: BF097187.D
 Acq: 29 Jul 2017 7:15

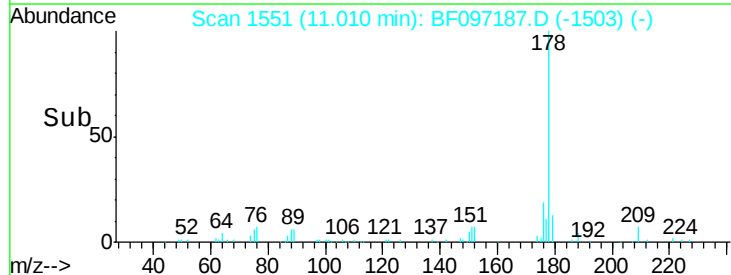
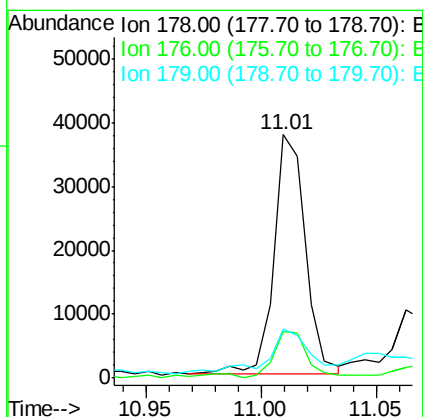
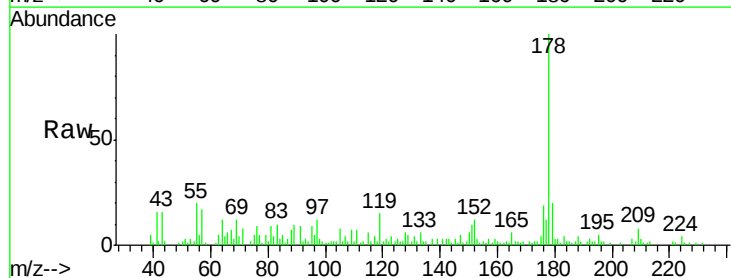
Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-SSW

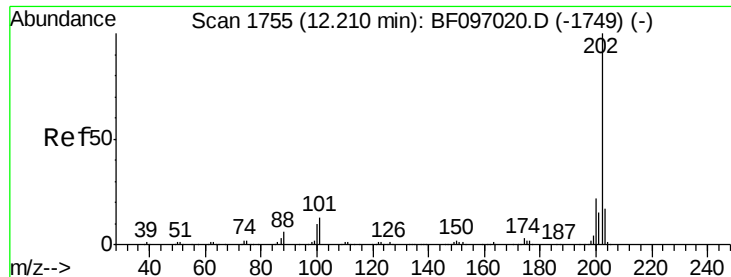
Tot Ion:169 Resp: 20830
 Ion Ratio Lower Upper
 169 100
 168 19.3 53.2 79.8#
 167 13.7 29.5 44.3#



#70
 Phenanthrene
 Concen: 3.08 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF097187.D
 Acq: 29 Jul 2017 7:15

Tgt Ion:178 Resp: 35564
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 20.0 12.6 19.0#





#74

Fluoranthene

Concen: 3.88 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

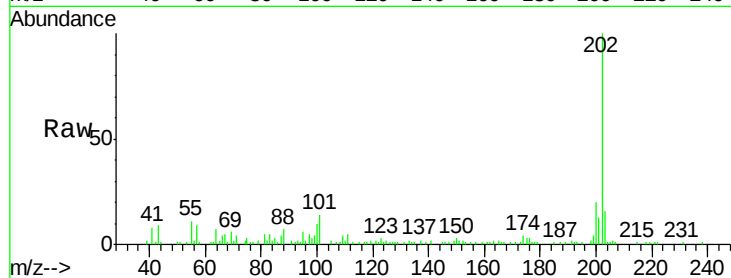
Tot Ion:202 Resp: 43789

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

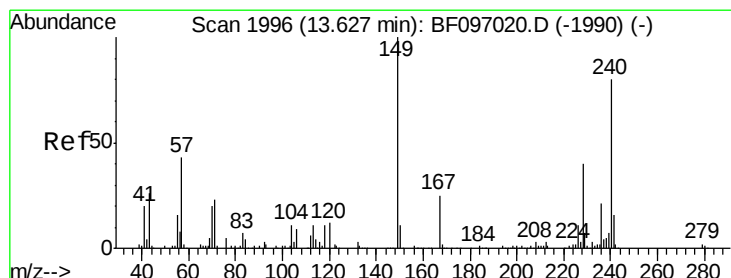
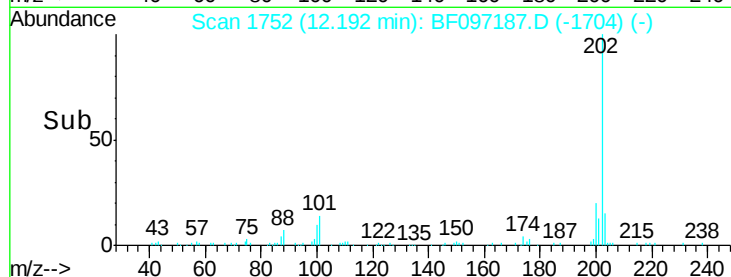
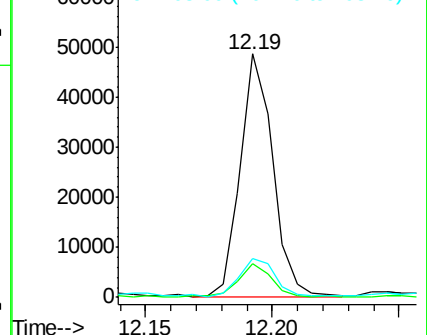
203 15.9 0.0 38.1



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: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

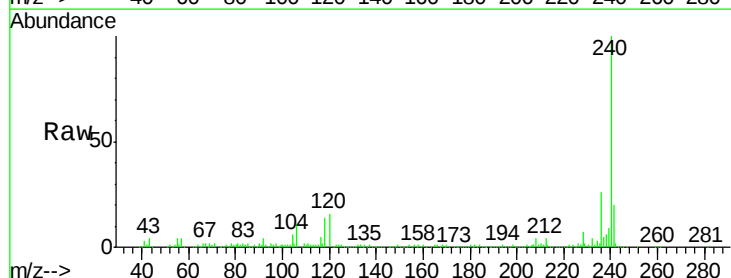
Tgt Ion:240 Resp: 202913

Ion Ratio Lower Upper

240 100

120 16.0 5.8 8.8#

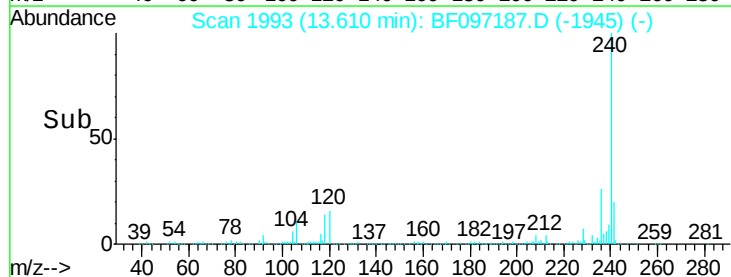
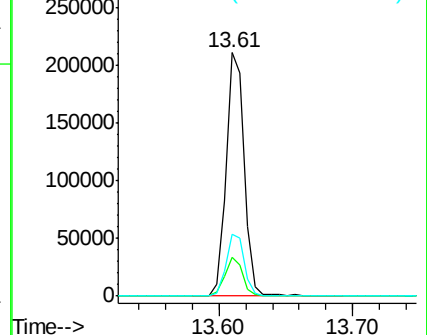
236 25.7 20.5 30.7

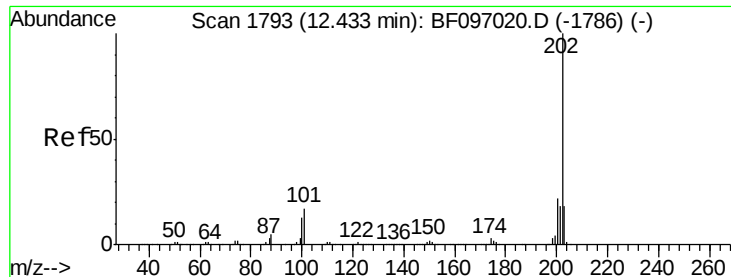


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.84 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

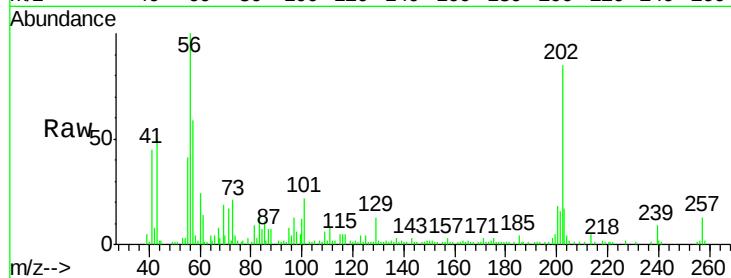
Tot Ion:202 Resp: 47190

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

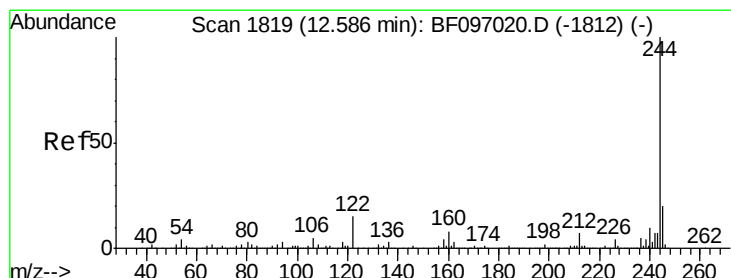
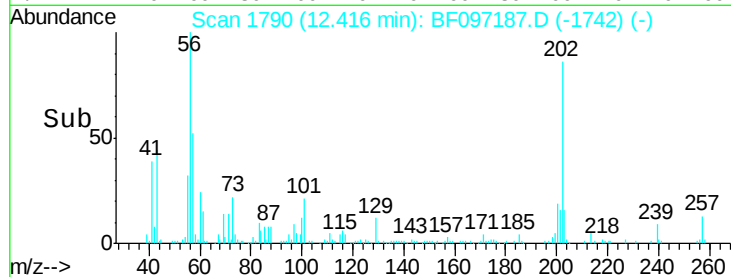
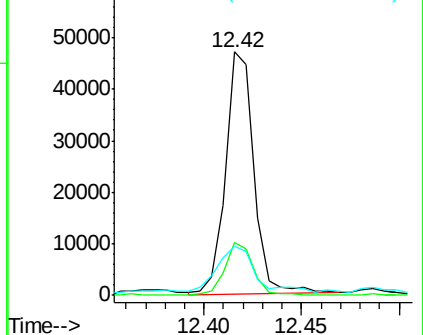
203 20.4 14.4 21.6



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: 14.34 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

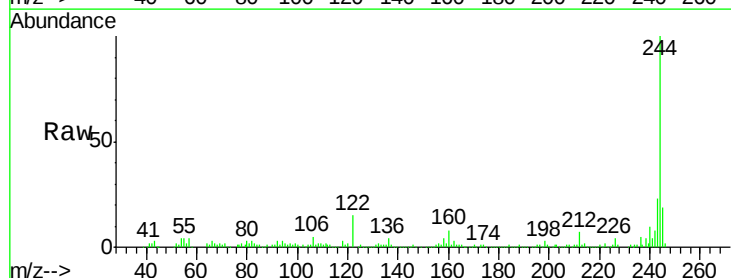
Tgt Ion:244 Resp: 142730

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

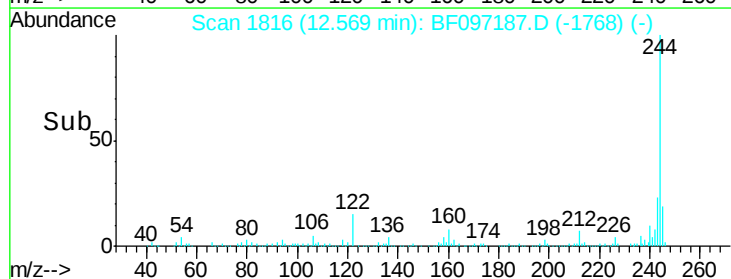
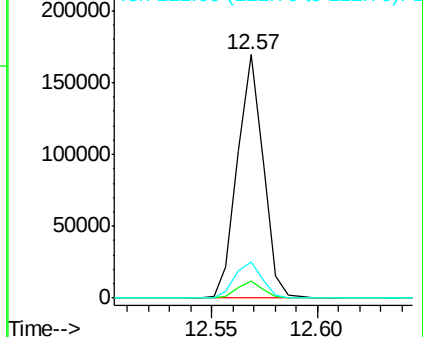
122 15.2 10.3 15.5

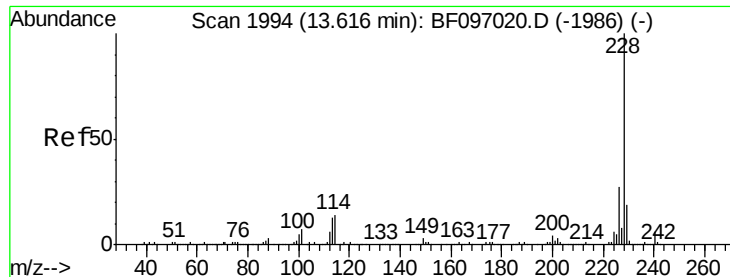


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.25 ng

RT: 13.60 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

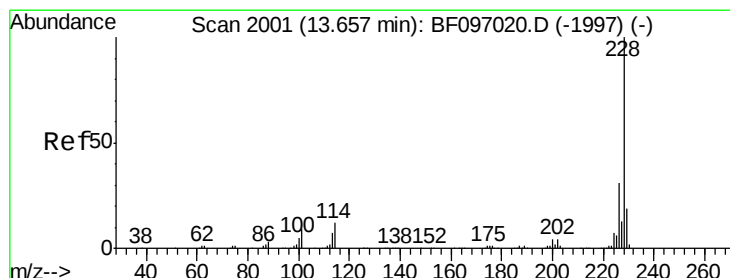
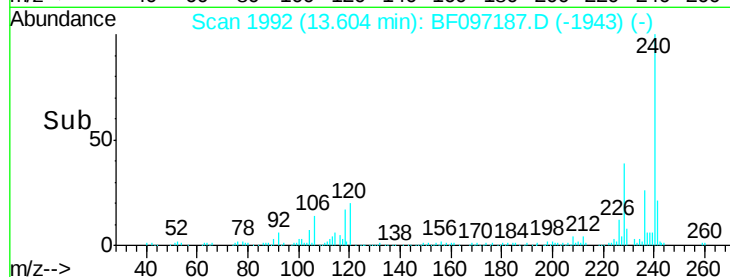
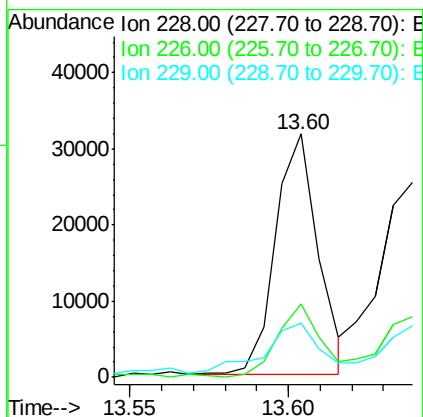
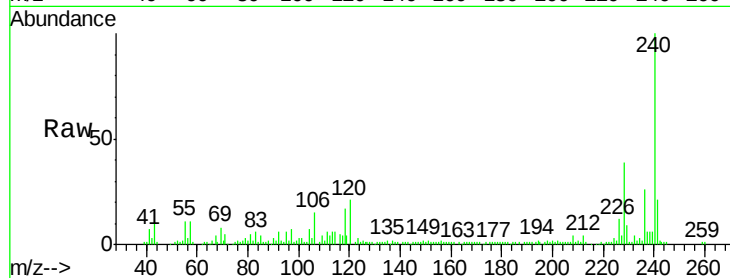
Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

Tot Ion:228	Resp:	29596
Ion Ratio	Lower	Upper
228	100	
226	30.1	22.6 33.8
229	22.5	16.3 24.5



#82

Chrysene

Concen: 2.31 ng

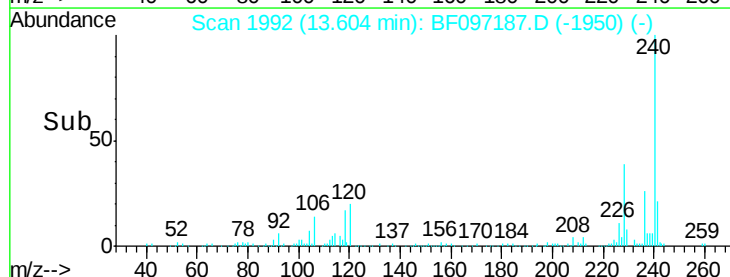
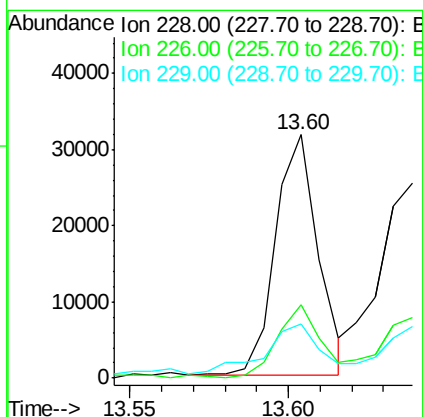
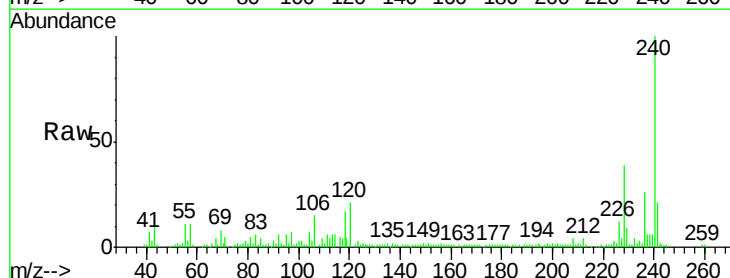
RT: 13.60 min Scan# 1992

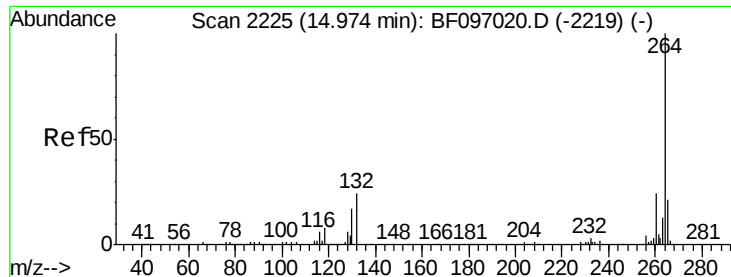
Delta R.T. -0.05 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

Tgt Ion:228	Resp:	29596
Ion Ratio	Lower	Upper
228	100	
226	30.1	24.9 37.3
229	22.5	15.8 23.6



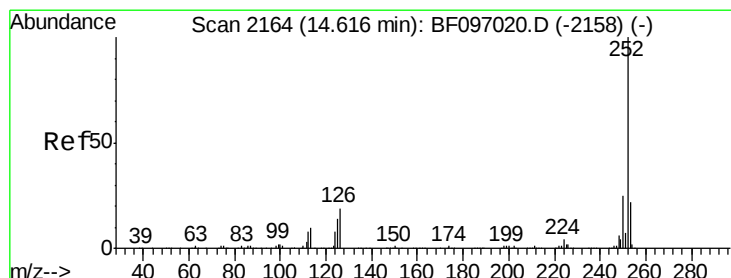
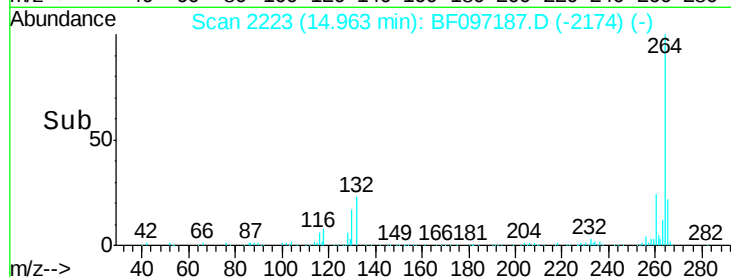
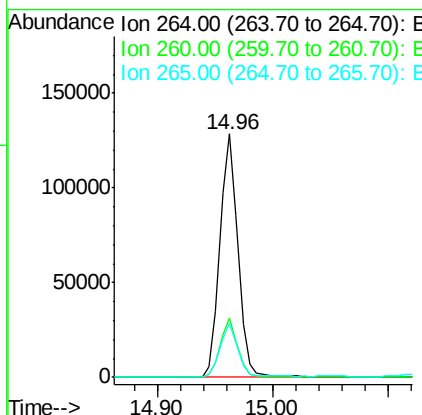
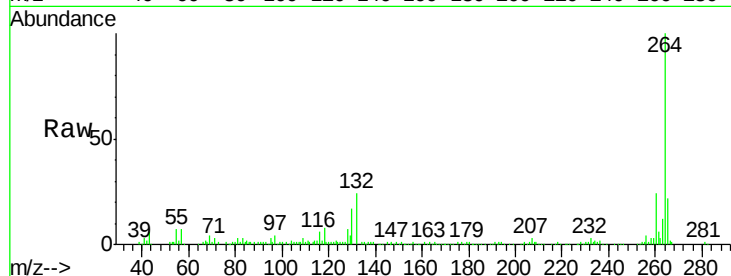


#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

Tot Ion:264 Resp: 140468

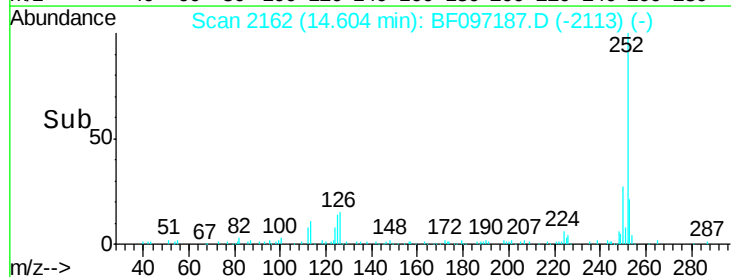
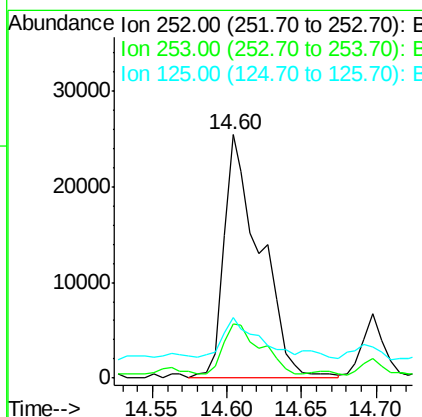
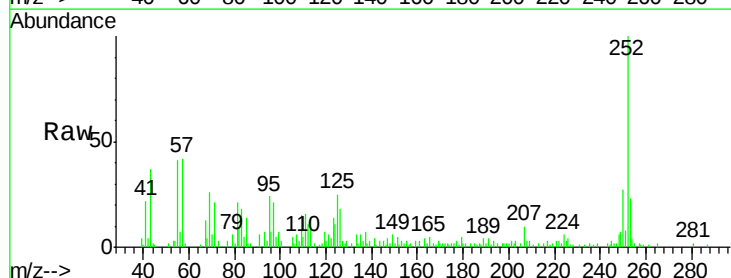
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.0	17.2	25.8

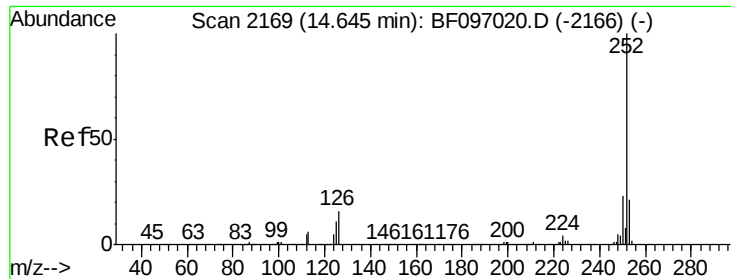


#87
Benzo(b)fluoranthene
Concen: 5.11 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

Tgt Ion:252 Resp: 43162

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	24.7	9.8	14.8#

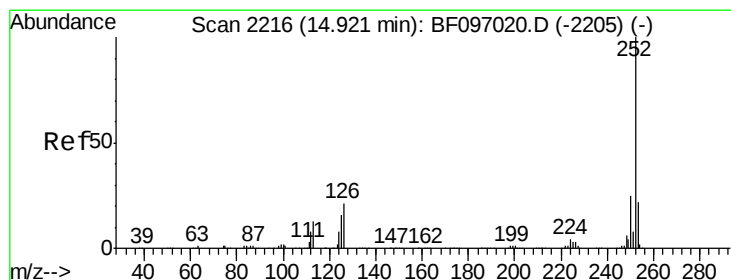
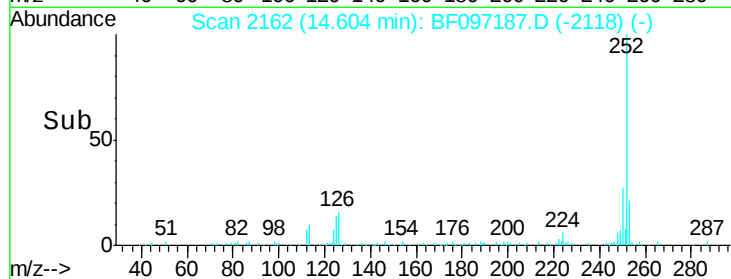
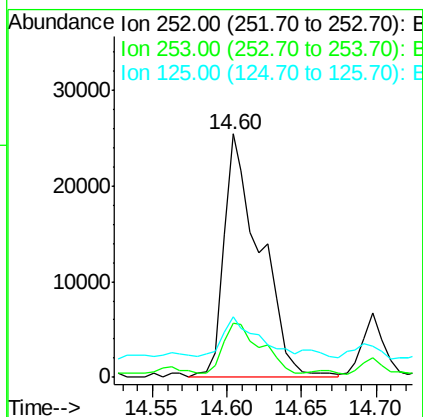
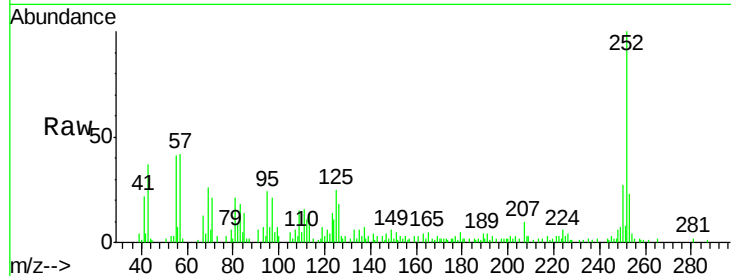




#88
Benzo(k)fluoranthene
Concen: 5.36 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.04 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

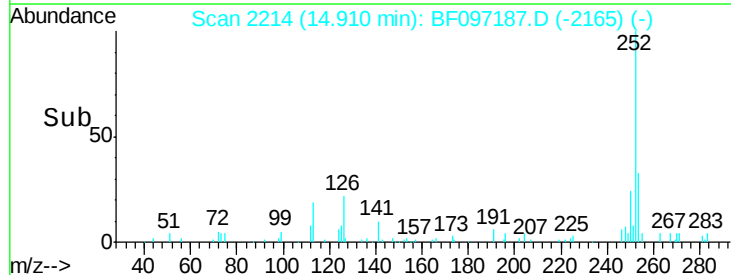
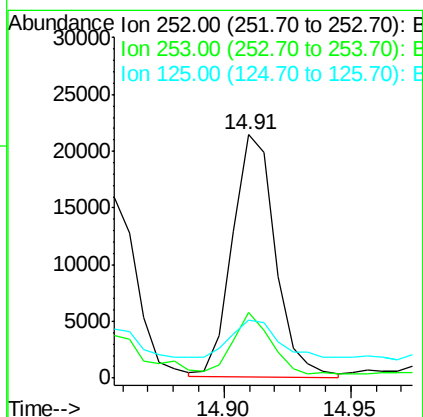
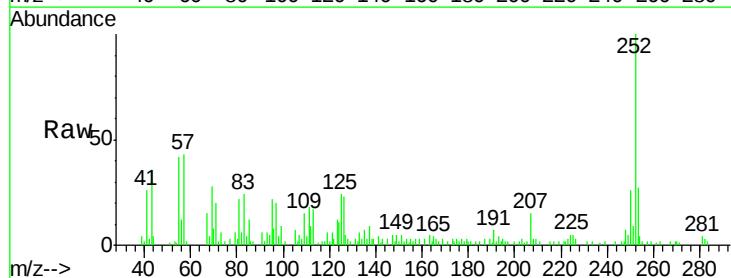
Instrument :
BNA_F
ClientSampleId :
E2-N7-SSW

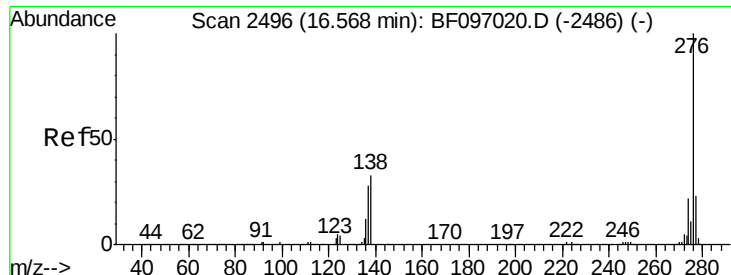
Tot Ion:252 Resp: 43162
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 24.7 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 3.27 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097187.D
Acq: 29 Jul 2017 7:15

Tgt Ion:252 Resp: 25232
Ion Ratio Lower Upper
252 100
253 27.1 17.5 26.3#
125 23.8 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.14 ng

RT: 16.54 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BF097187.D

Acq: 29 Jul 2017 7:15

Instrument :

BNA_F

ClientSampleId :

E2-N7-SSW

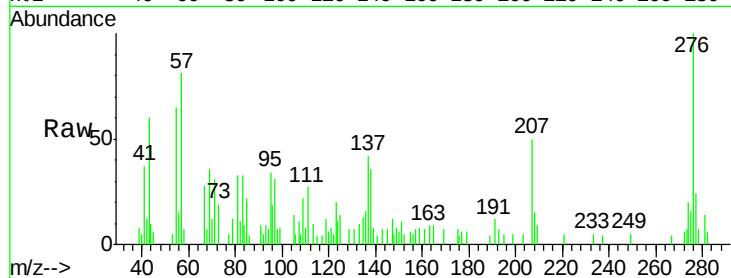
Tot Ion: 276 Resp: 14194

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 36.1 25.4 38.0



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

