

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098774.D
 Acq On : 25 Sep 2017 10:59
 Operator : SJ/JU
 Sample : I5360-07RE 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 05:11:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	169163	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	692193	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	289166	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	416260	20.00	ng	0.00
75) Chrysene-d12	14.07	240	292284	20.00	ng	-0.01
86) Perylene-d12	15.57	264	318655	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	182381	17.16	ng	-0.02
7) Phenol-d6	6.52	99	219614	16.75	ng	-0.02
23) Nitrobenzene-d5	7.47	82	131548	12.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	32728	13.83	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	255728	14.76	ng	-0.02
78) Terphenyl-d14	13.02	244	149278	11.62	ng	-0.02

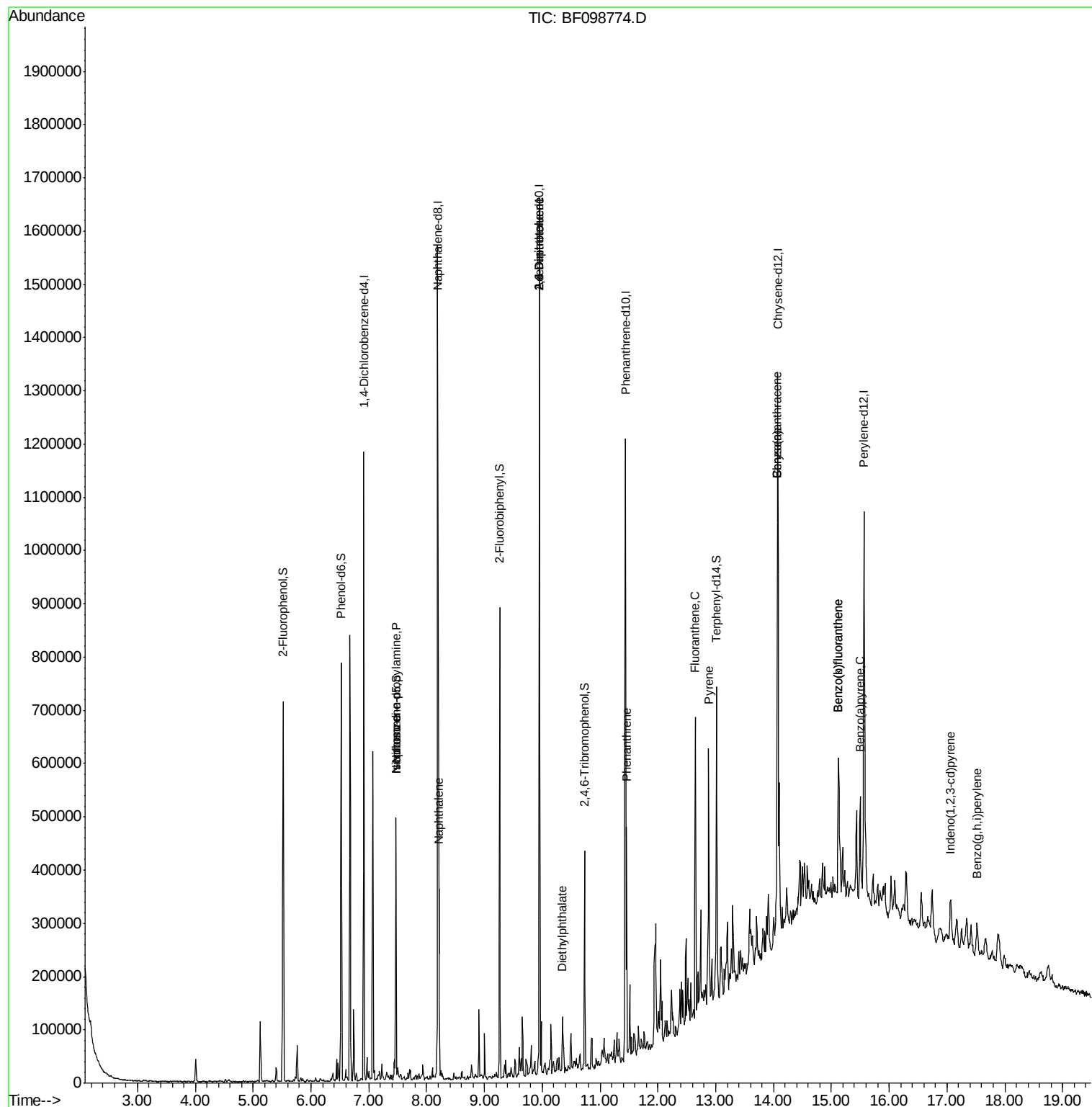
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	18061	2.158	ng	# 81
25) Isophorone	7.47	82	130961	5.869	ng	# 64
31) Naphthalene	8.22	128	108972	3.352	ng	98
50) 2,6-Dinitrotoluene	9.95	165	37098	7.808	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	37098	6.016	ng	# 24
59) Diethylphthalate	10.35	149	42920	2.013	ng	98
70) Phenanthrene	11.46	178	148014	6.643	ng	99
74) Fluoranthene	12.64	202	201272	8.921	ng	98
77) Pyrene	12.88	202	198365	8.900	ng	99
80) Benzo(a)anthracene	14.06	228	103167	5.829	ng	94
82) Chrysene	14.06	228	103167	6.123	ng	96
85) Indeno(1,2,3-cd)pyrene	17.06	276	48833	3.623	ng	99
87) Benzo(b)fluoranthene	15.13	252	178099	9.090	ng	# 93
88) Benzo(k)fluoranthene	15.13	252	178099	9.203	ng	# 96
89) Benzo(a)pyrene	15.50	252	84966	4.724	ng	# 92
91) Benzo(g,h,i)perylene	17.52	276	47000	3.304	ng	# 91

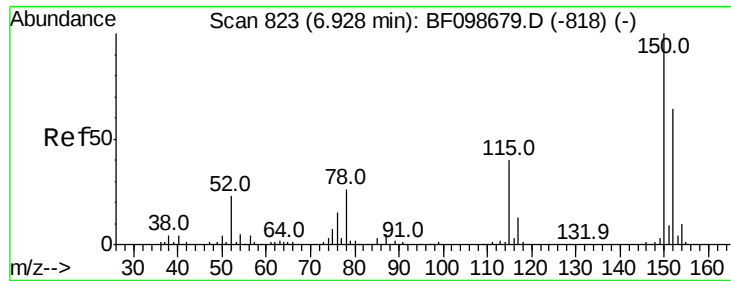
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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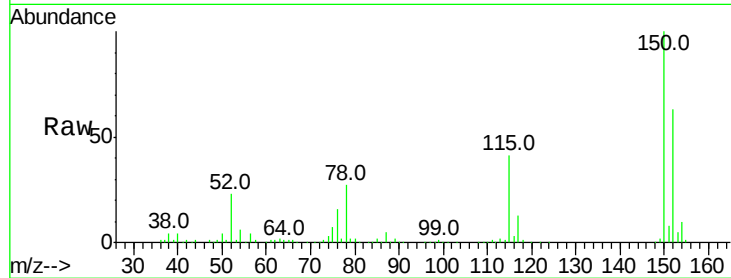


#1

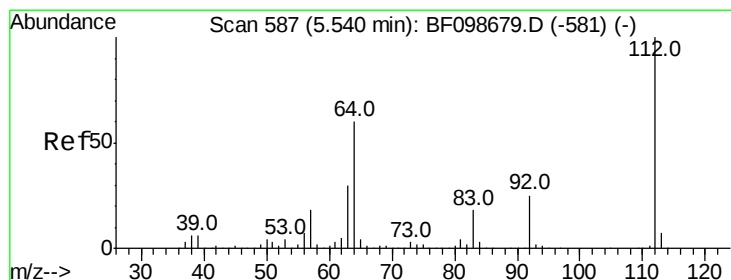
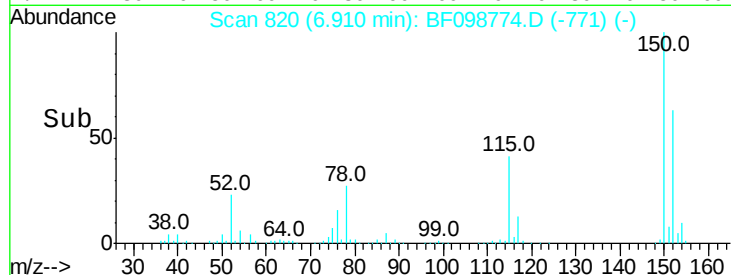
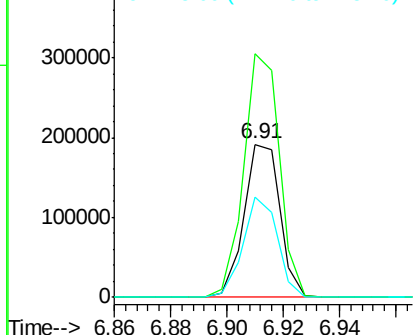
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169163
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 65.4 50.1 75.1



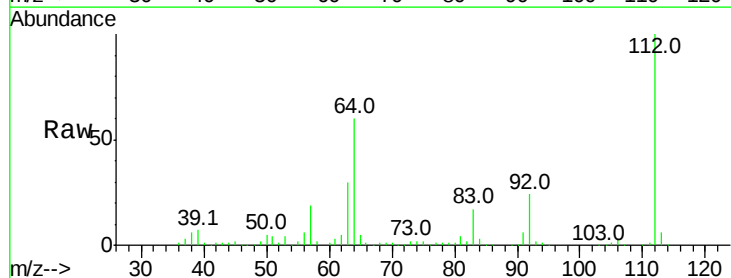
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



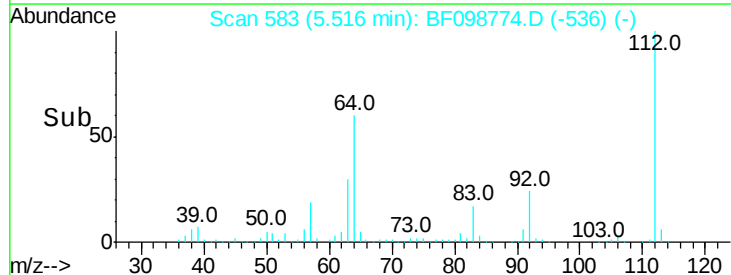
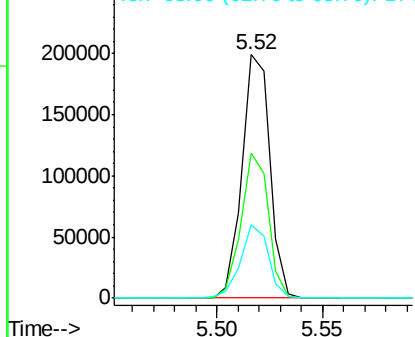
#5

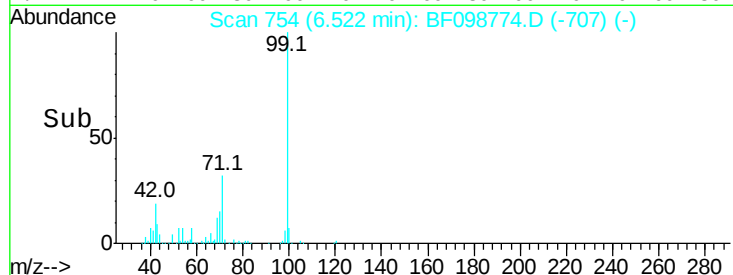
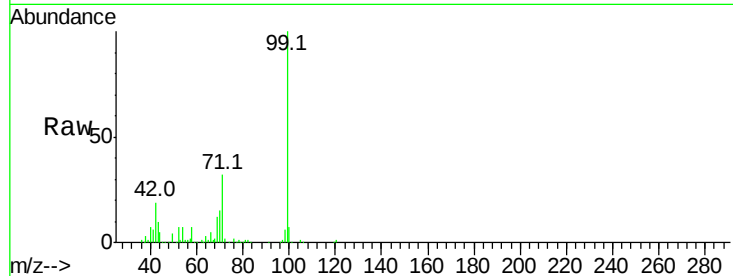
2-Fluorophenol
Concen: 17.163 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Tgt Ion:112 Resp: 182381
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 30.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.753 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

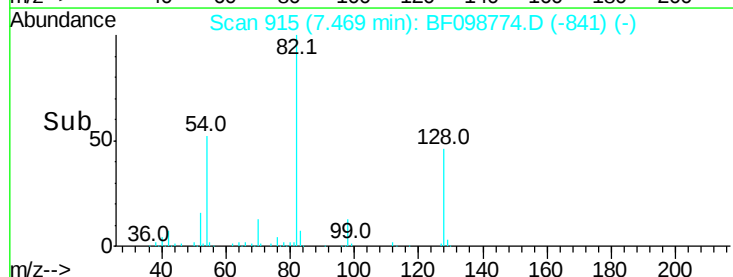
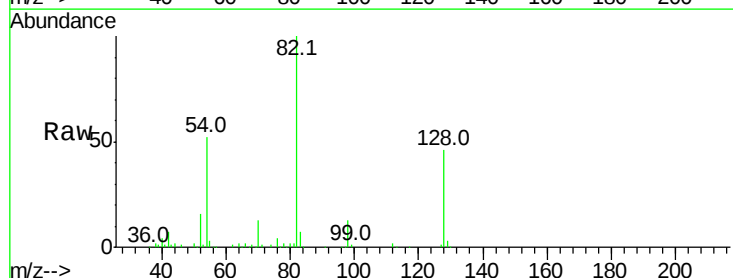
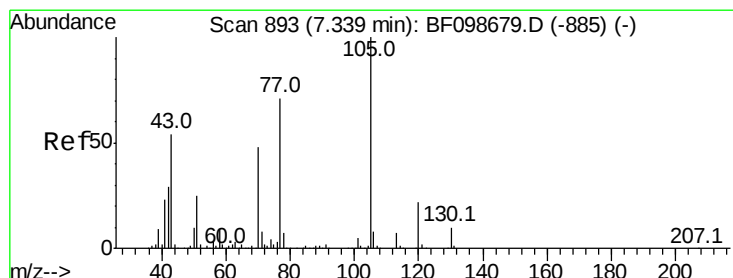
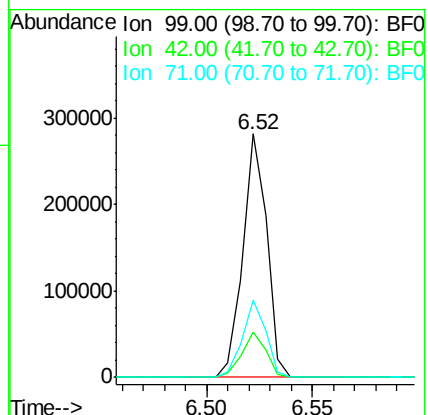
Tot Ion: 99 Resp: 219614

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 31.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.158 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.14 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Tgt Ion: 70 Resp: 18061

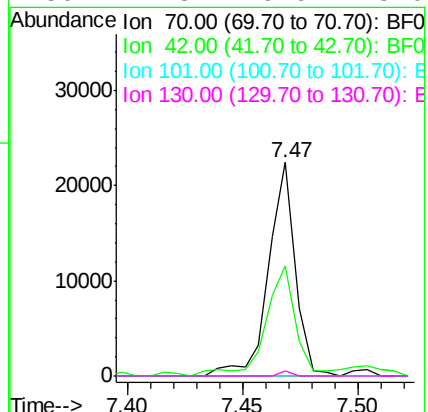
Ion Ratio Lower Upper

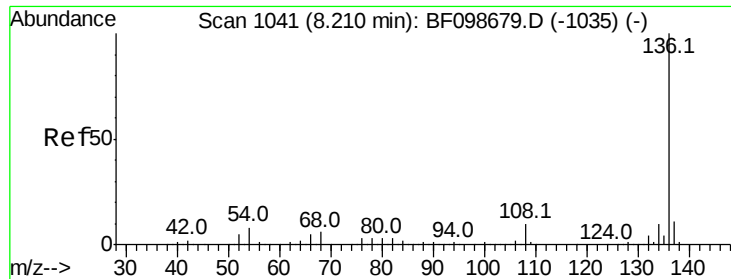
70 100

42 51.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

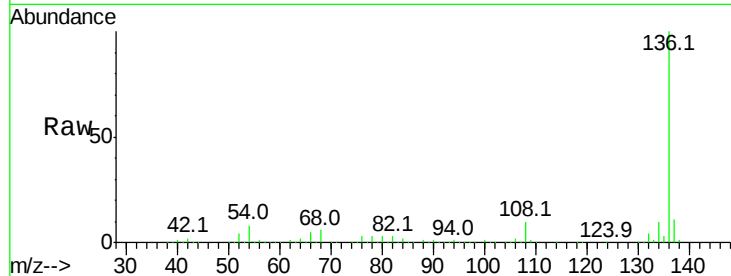




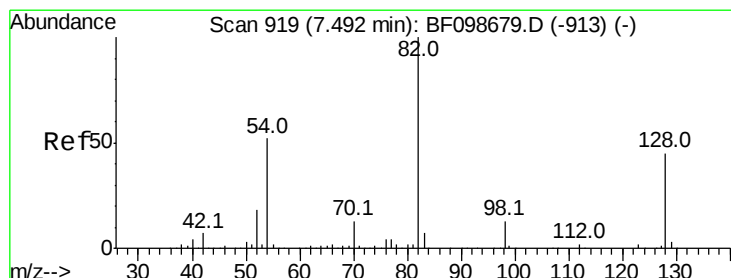
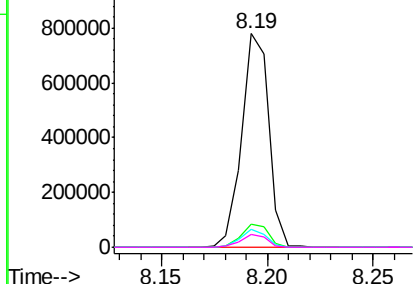
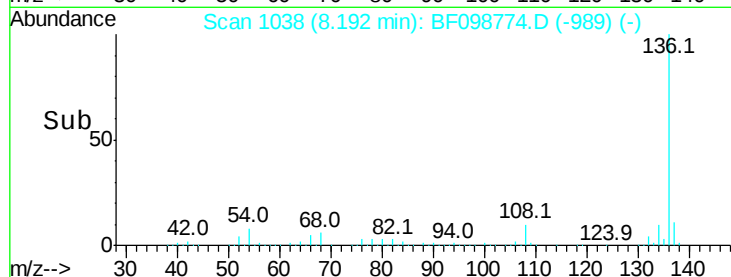
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	692193
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.4	6.6	9.8
68	6.3	5.0	7.4

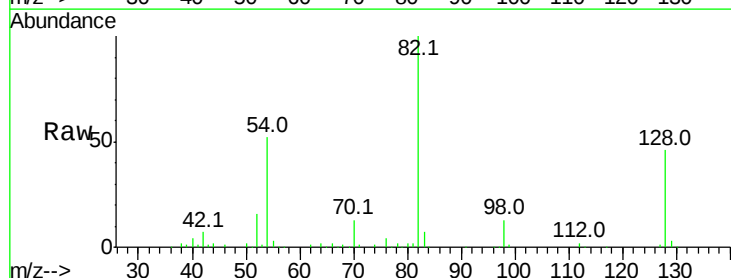


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

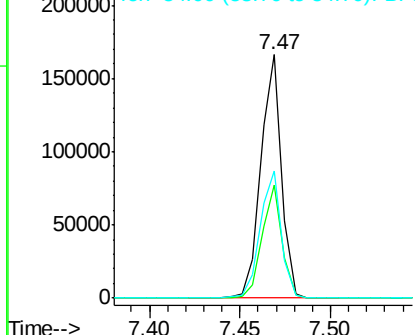
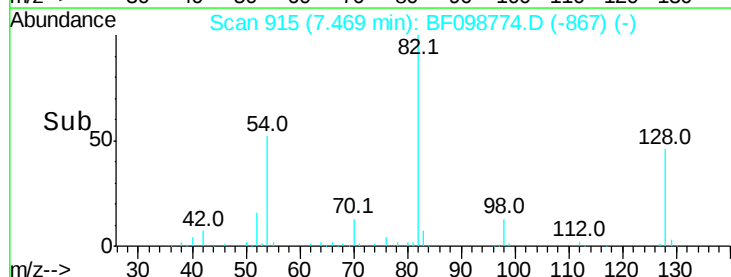


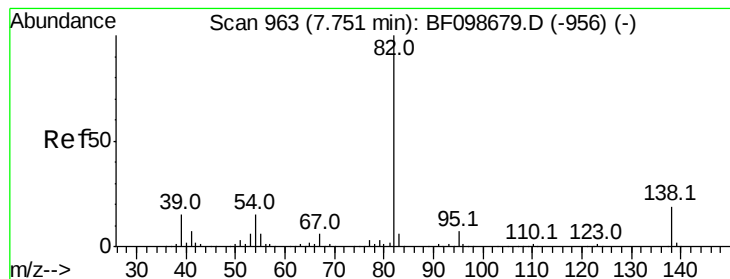
#23
Nitrobenzene-d5
Concen: 12.188 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Tgt Ion:	82	Resp:	131548
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	52.1	41.4	62.2



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





#25

Isophorone

Concen: 5.869 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.28 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Instrument :

BNA_F

ClientSampleId :

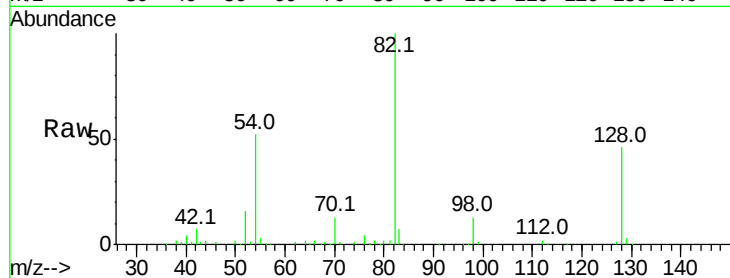
Tot Ion: 82 Resp: 130961

Ion Ratio Lower Upper

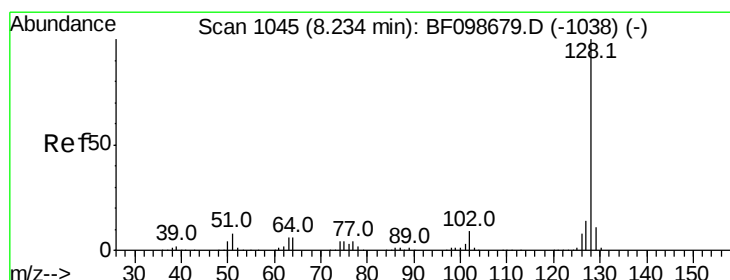
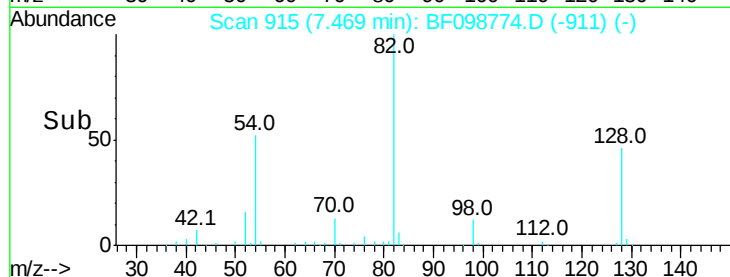
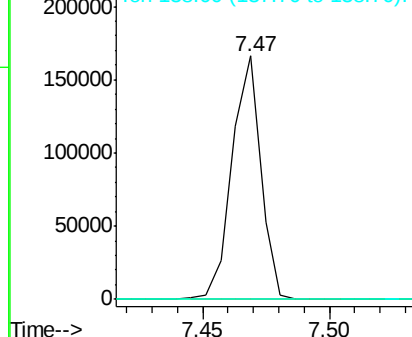
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 3.352 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

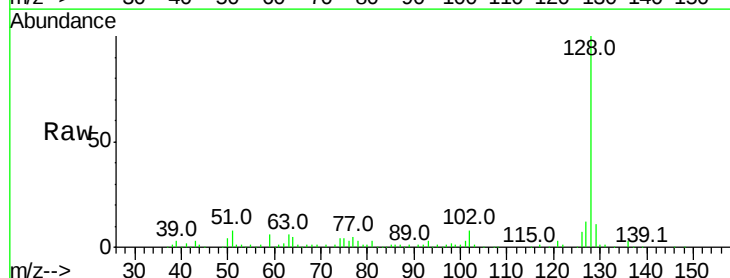
Tgt Ion: 128 Resp: 108972

Ion Ratio Lower Upper

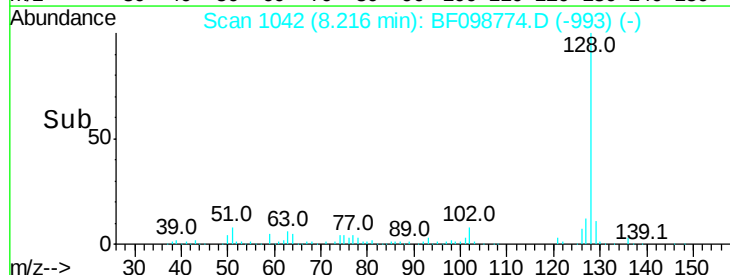
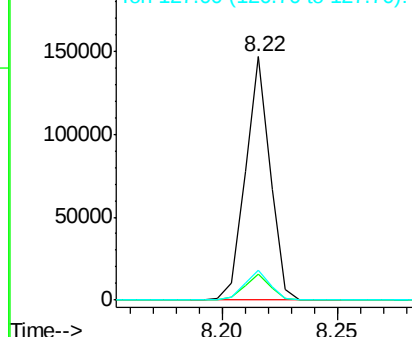
128 100

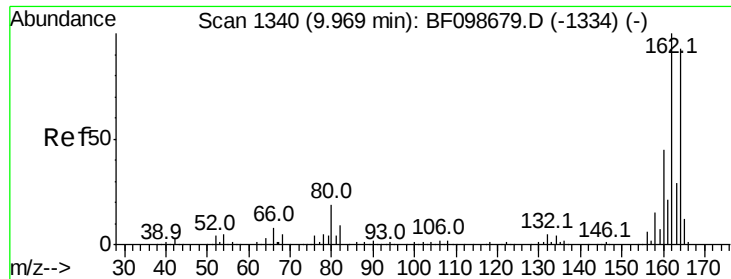
129 10.9 8.8 13.2

127 12.5 10.9 16.3



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

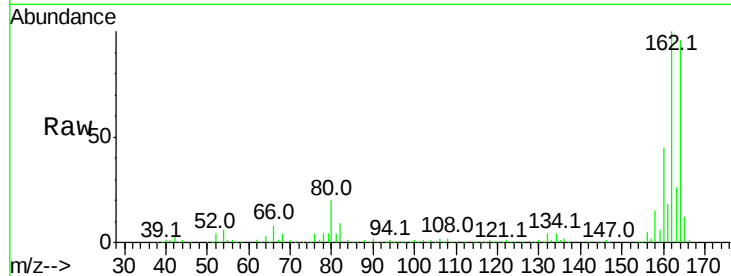




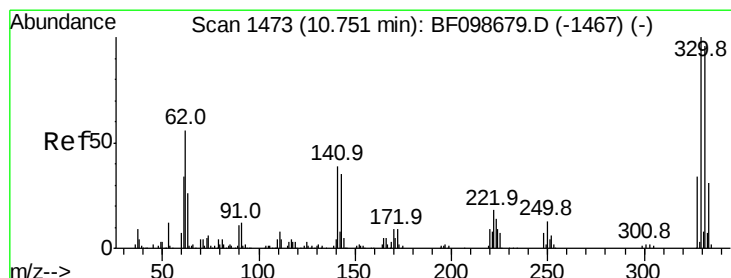
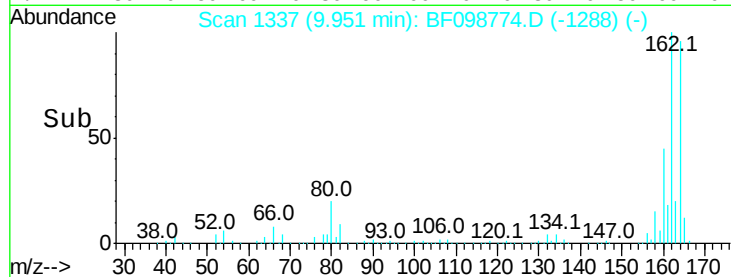
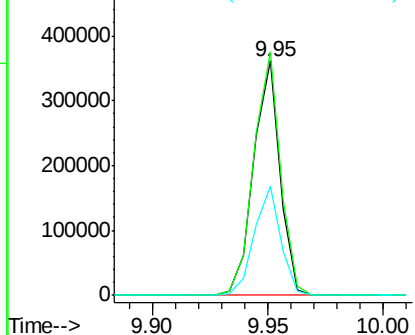
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 289166
 Ion Ratio Lower Upper
 164 100
 162 103.8 86.1 129.1
 160 46.8 38.3 57.5

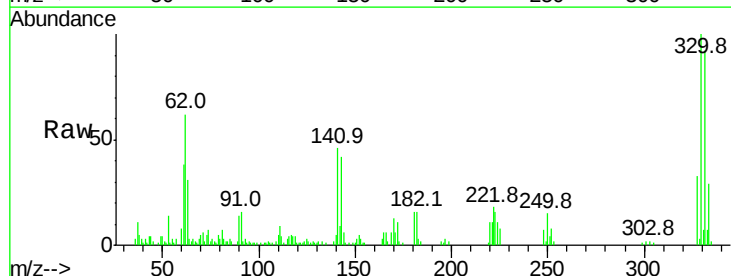


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

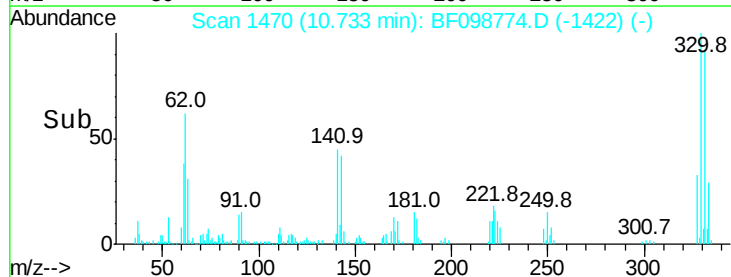
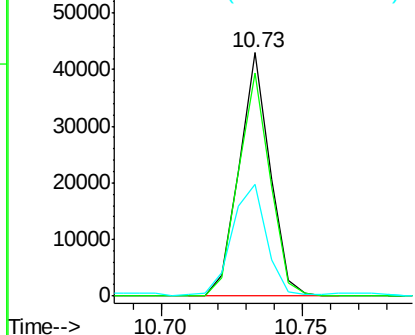


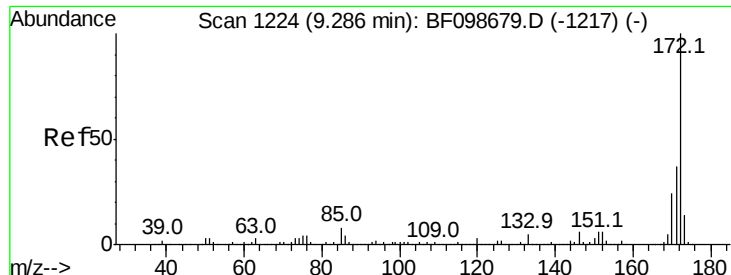
#41
 2,4,6-Tribromophenol
 Concen: 13.832 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

Tgt Ion:330 Resp: 32728
 Ion Ratio Lower Upper
 330 100
 332 93.8 77.0 115.6
 141 52.2 29.9 44.9#



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

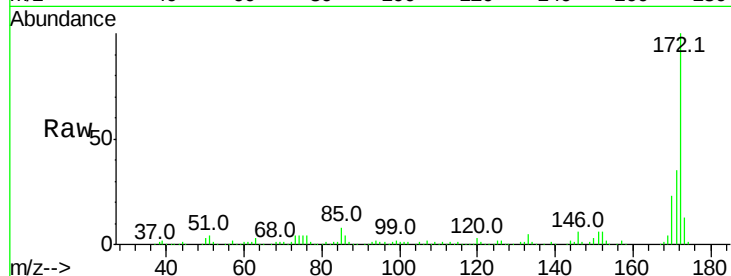




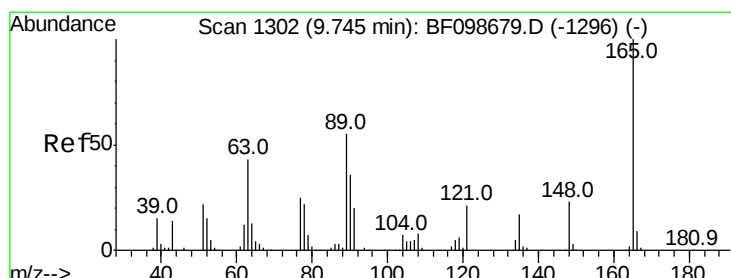
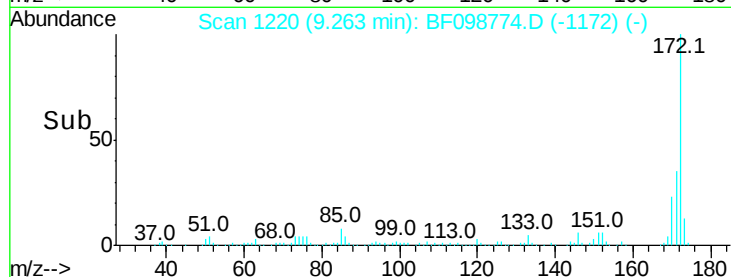
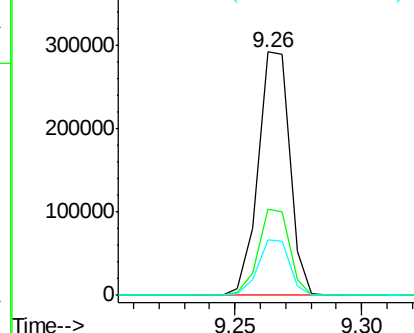
#44
 2-Fluorobiphenyl
 Concen: 14.764 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	22.9	19.6	29.4

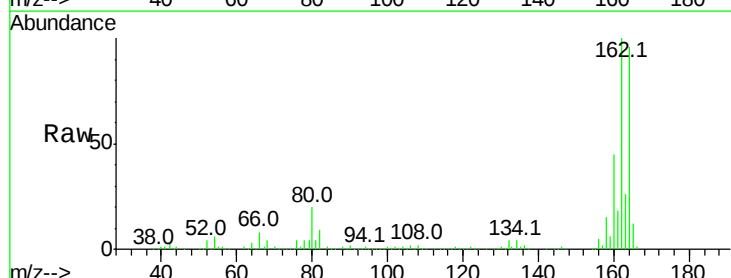


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

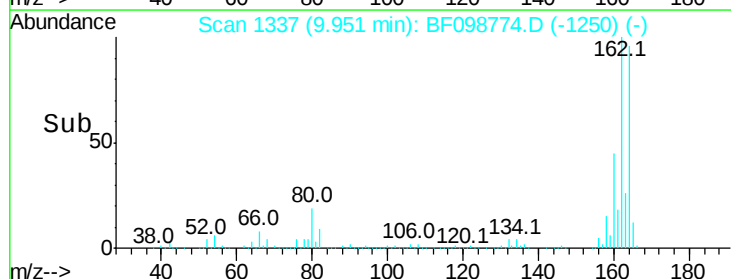
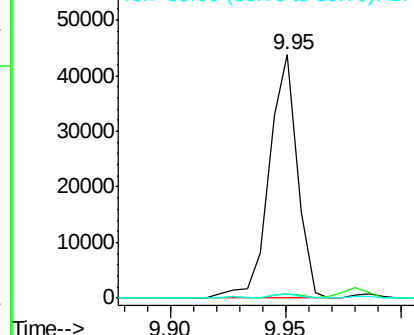


#50
 2,6-Dinitrotoluene
 Concen: 7.808 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.9	44.0	66.0#



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

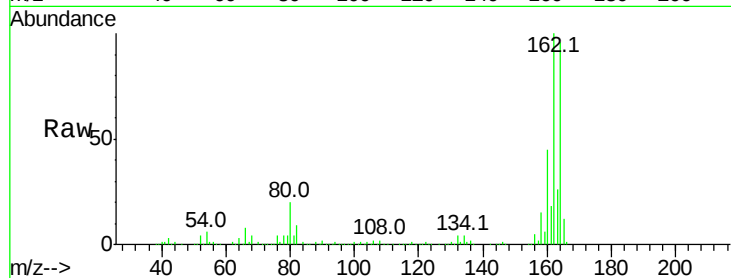




#56
2,4-Dinitrotoluene
Concen: 6.016 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

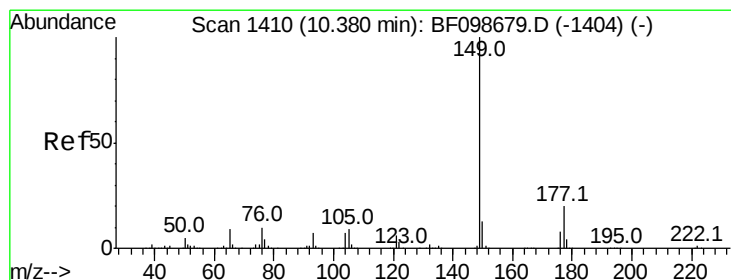
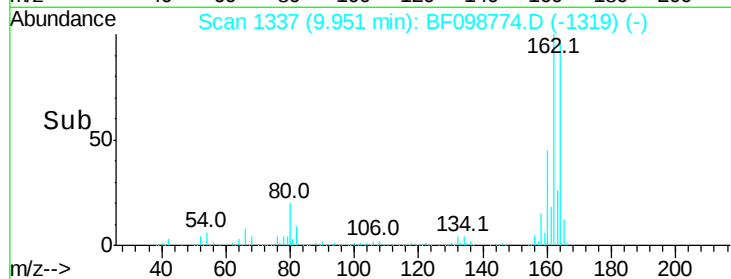
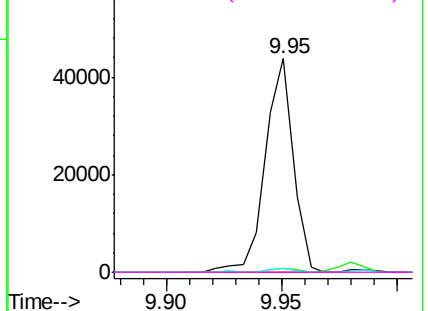


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

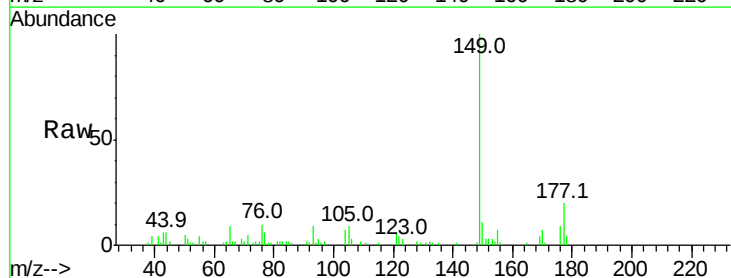
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#59
Diethylphthalate
Concen: 2.013 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.03 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

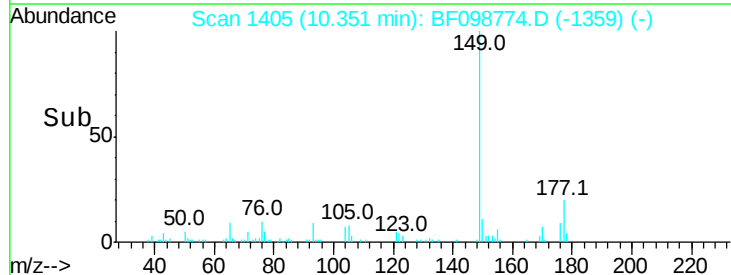
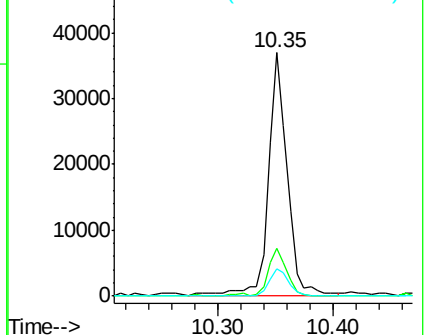
Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.8	16.1	24.1
150	11.4	10.1	15.1

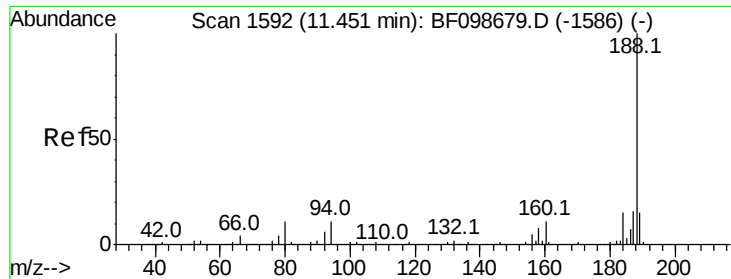


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

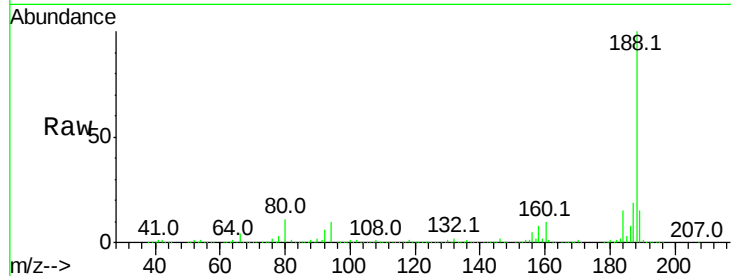




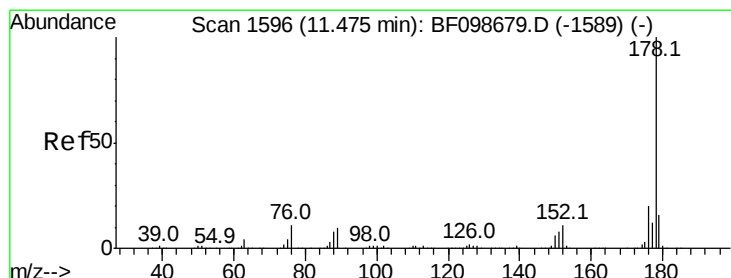
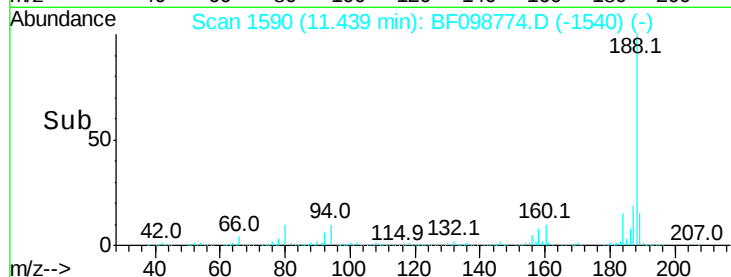
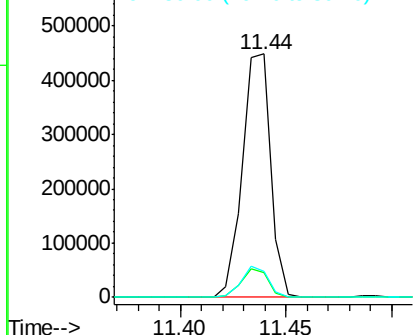
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 416260
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.6 9.2 13.8

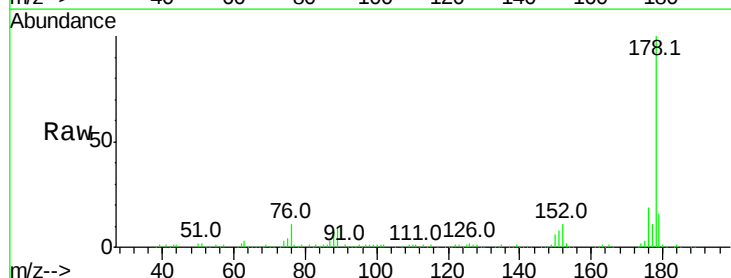


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

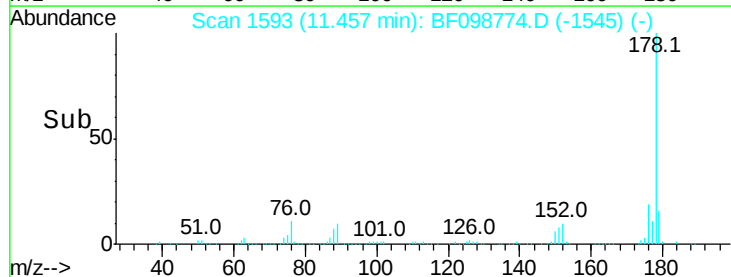
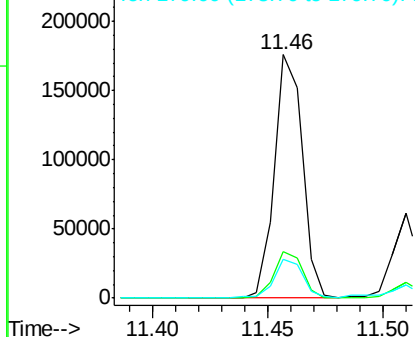


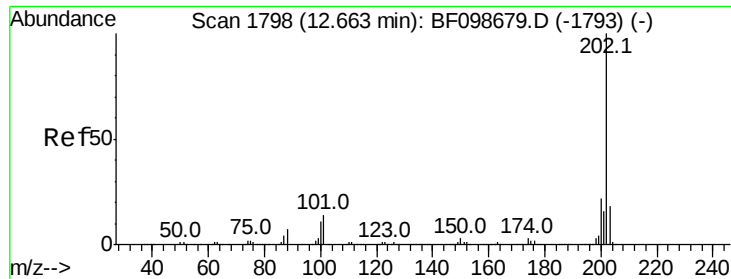
#70
Phenanthrene
Concen: 6.643 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Tgt Ion:178 Resp: 148014
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 16.0 13.0 19.6



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





#74

Fluoranthene

Concen: 8.921 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Instrument :

BNA_F

ClientSampleId :

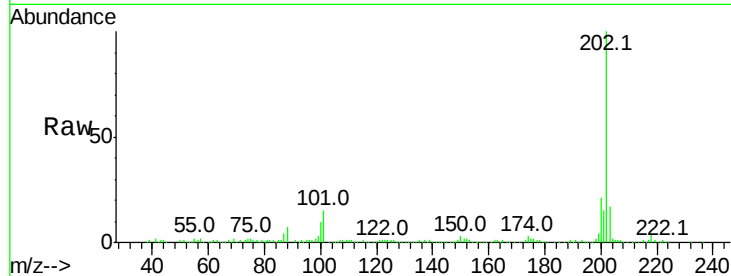
Tot Ion:202 Resp: 201272

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.1

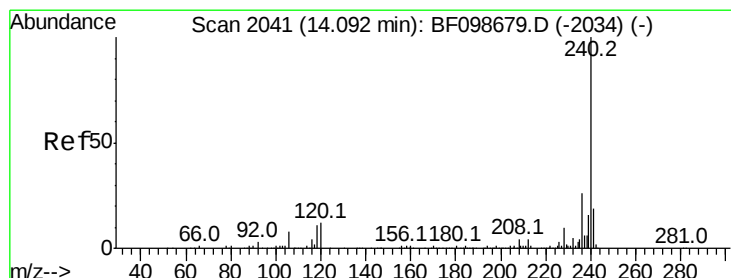
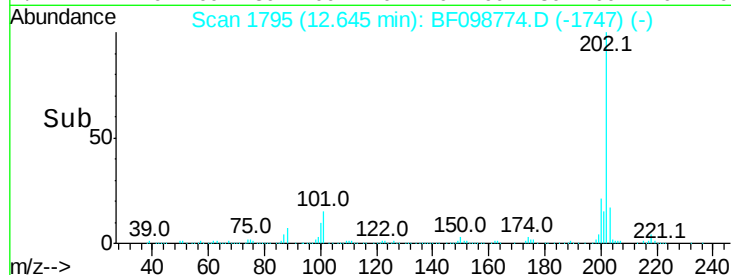
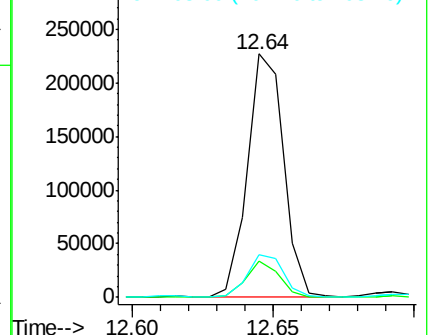
203 17.3 0.0 38.1



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: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

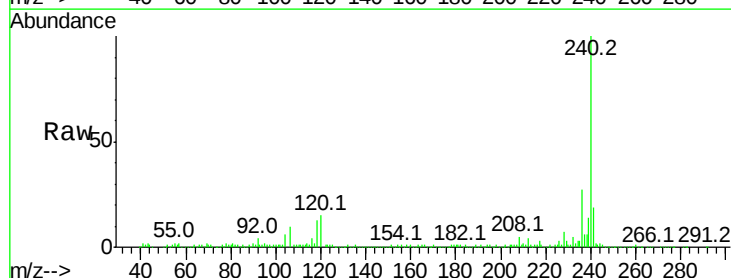
Tgt Ion:240 Resp: 292284

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

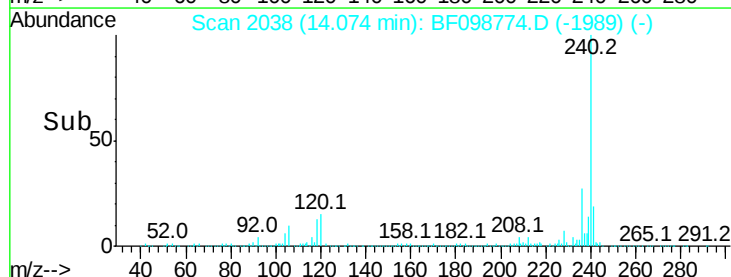
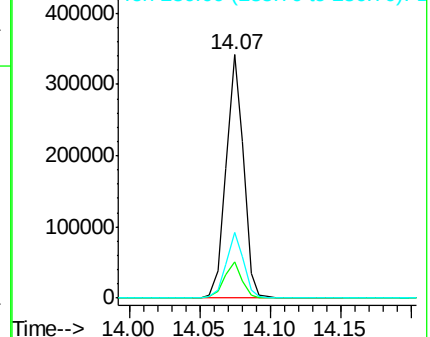
236 26.8 20.7 31.1

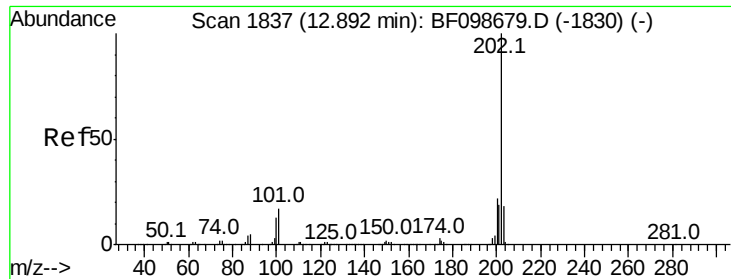


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.900 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Instrument :

BNA_F

ClientSampleId :

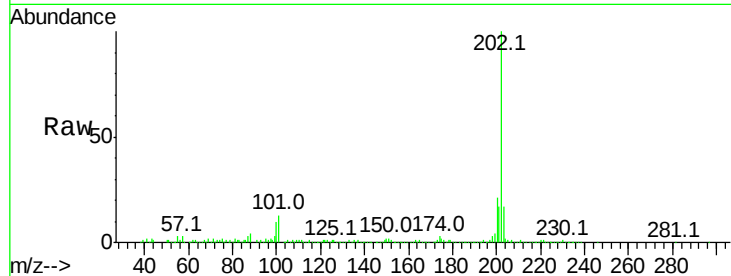
Tot Ion:202 Resp: 198365

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

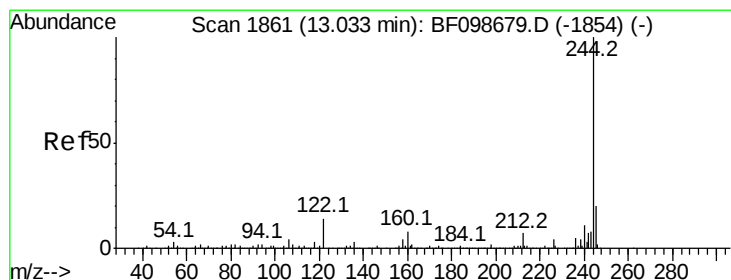
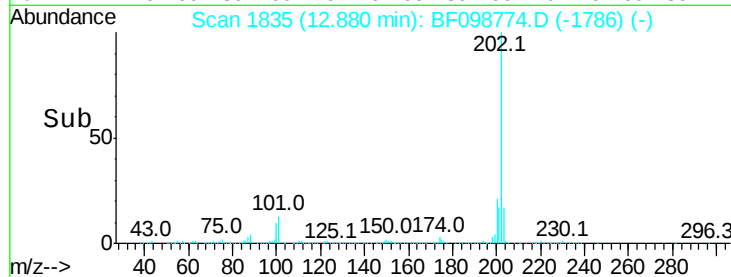
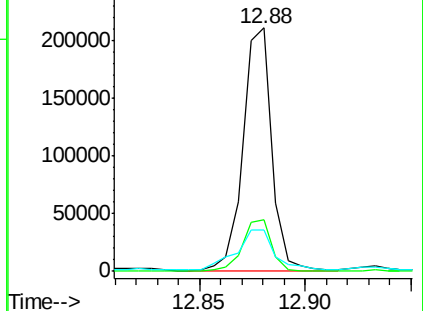
203 17.1 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 11.615 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

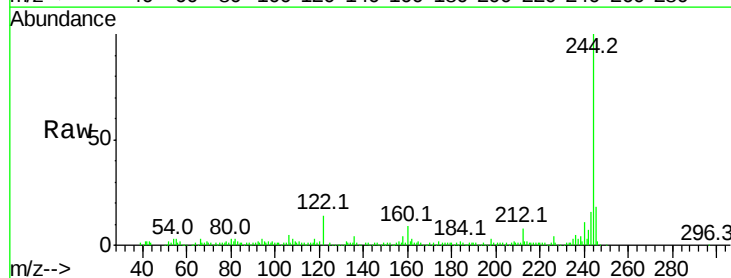
Tgt Ion:244 Resp: 149278

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

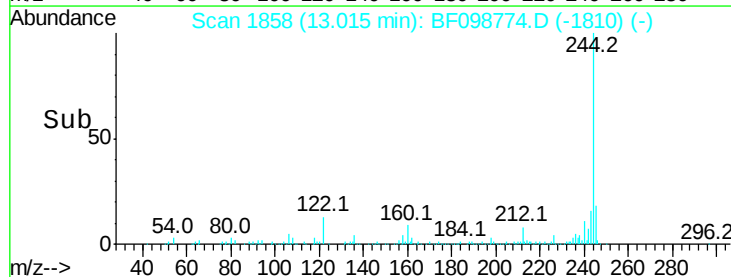
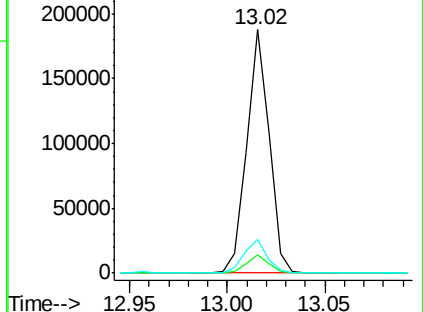
122 13.7 11.0 16.4

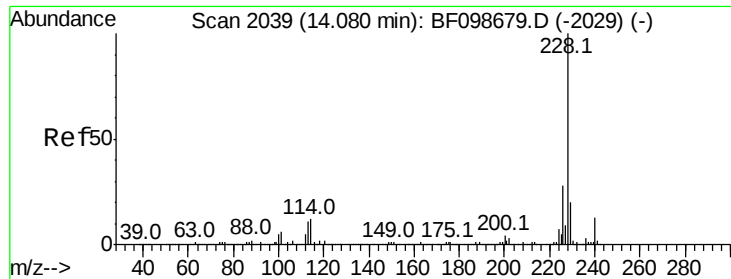


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.829 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF098774.D

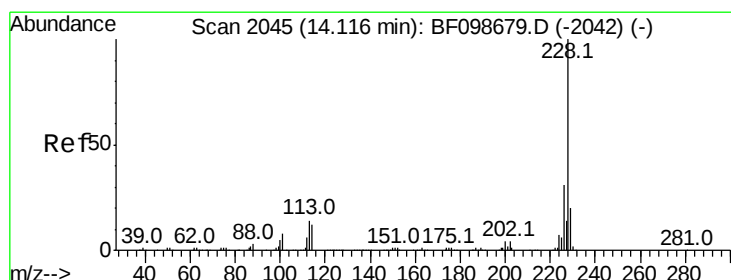
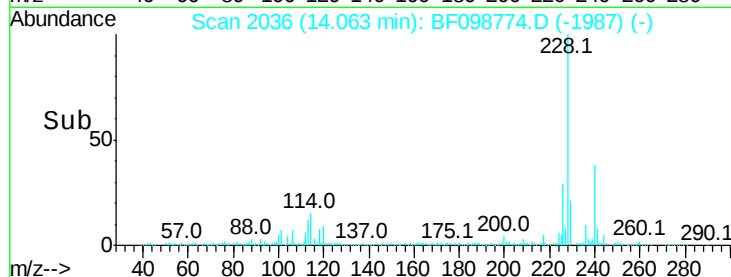
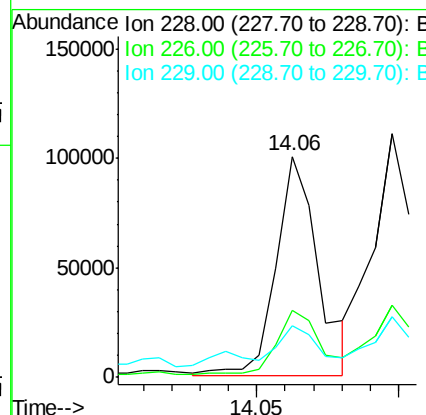
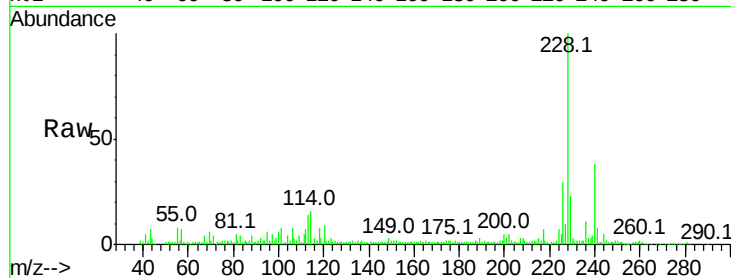
Acq: 25 Sep 2017 10:59

Instrument :

BNA_F

ClientSampled :

Tot Ion:	228	Resp:	103167
Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	33.8
229	23.3	15.8	23.6



#82

Chrysene

Concen: 6.123 ng

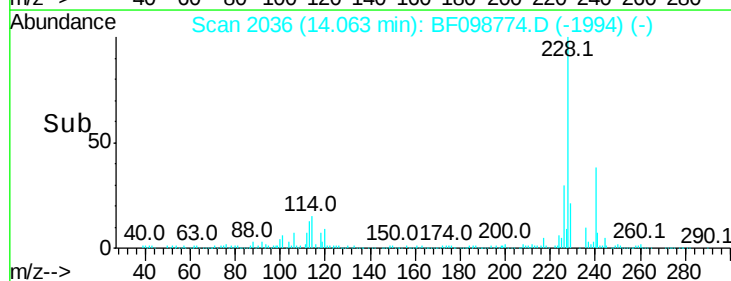
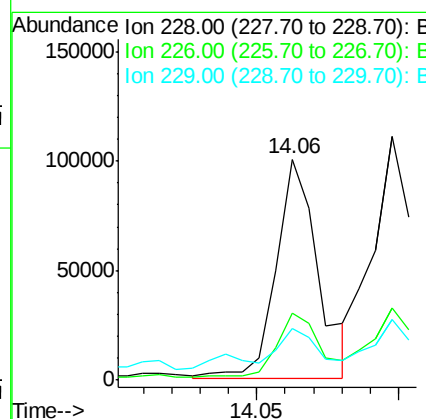
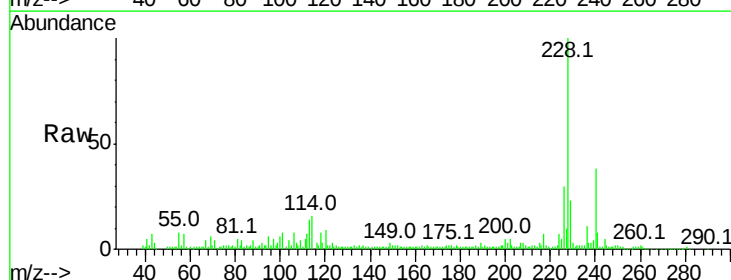
RT: 14.06 min Scan# 2036

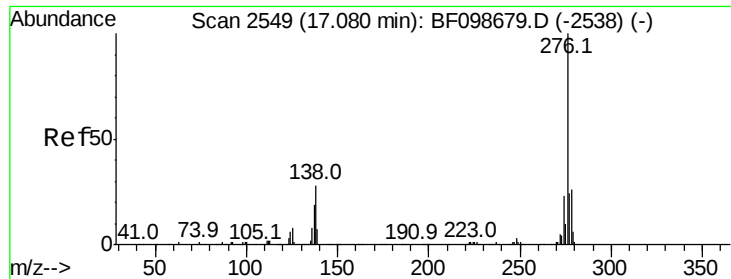
Delta R.T. -0.05 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Tgt Ion:	228	Resp:	103167
Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	23.3	16.2	24.4

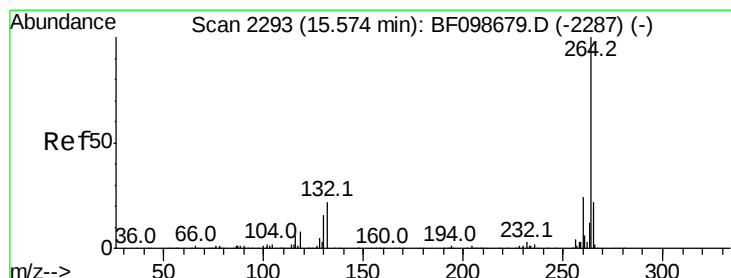
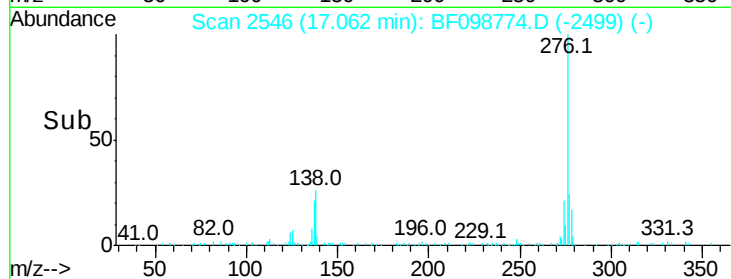
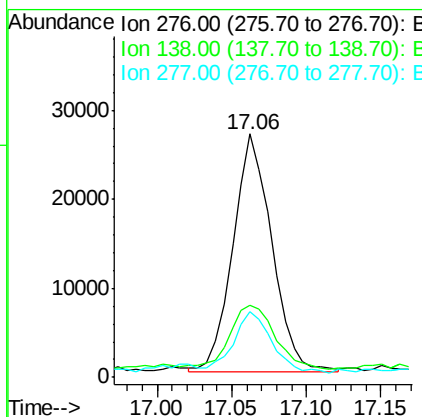
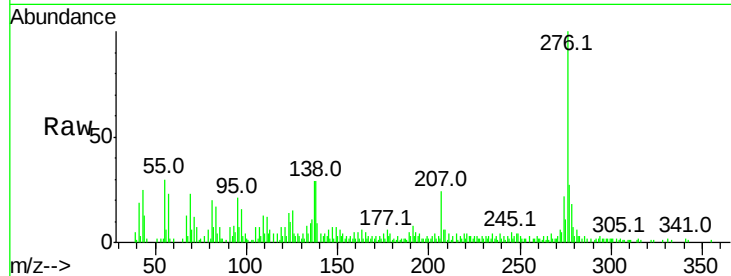




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.623 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.02 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

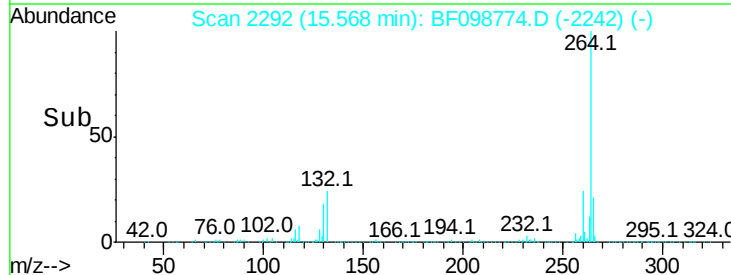
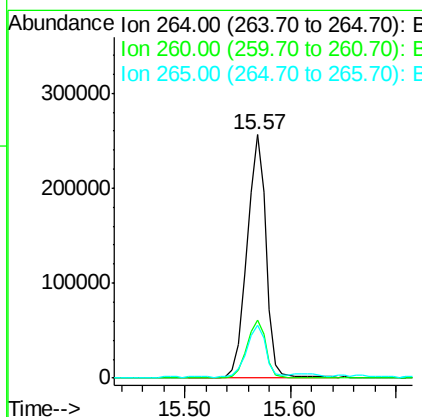
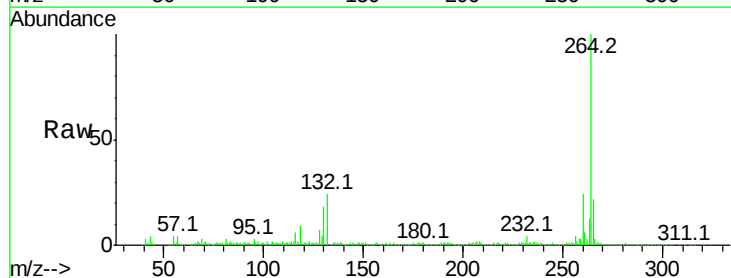
Instrument :
 BNA_F
 ClientSampleId :

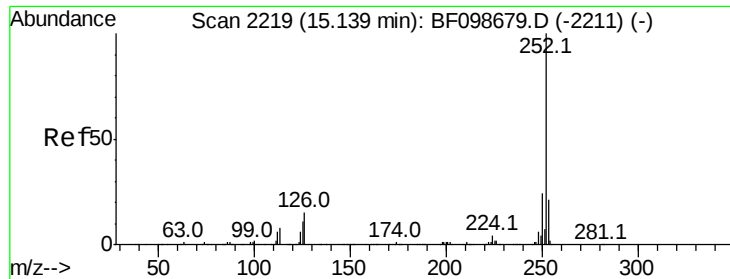
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	25.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.6	17.5	26.3

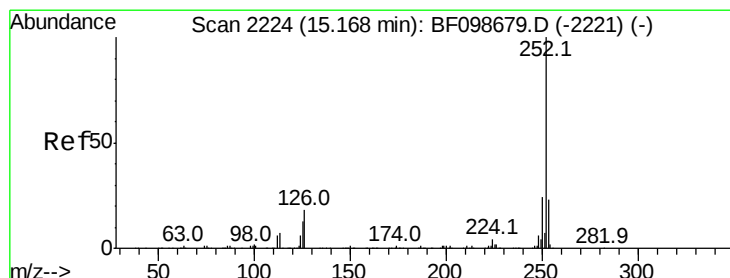
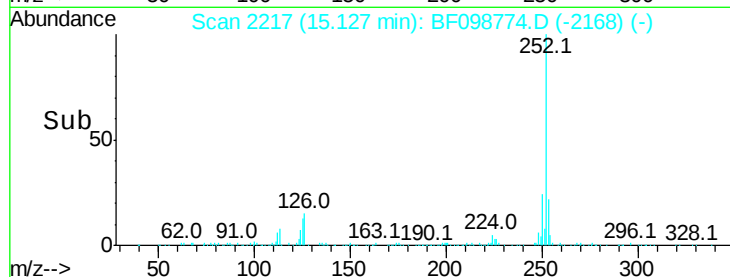
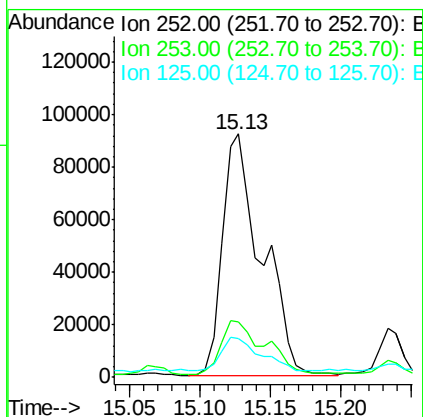
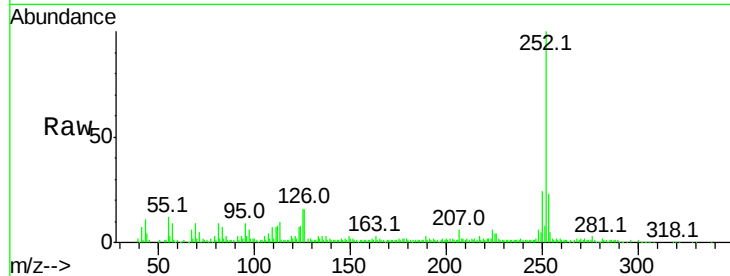




#87
Benzo(b)fluoranthene
Concen: 9.090 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

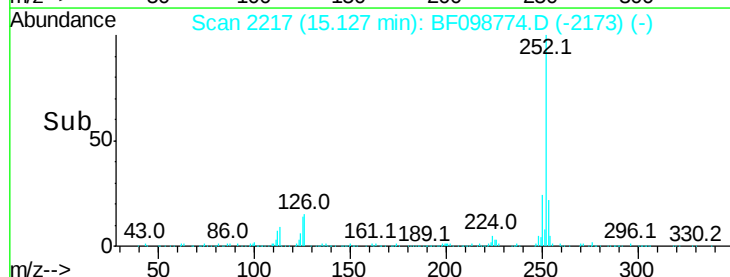
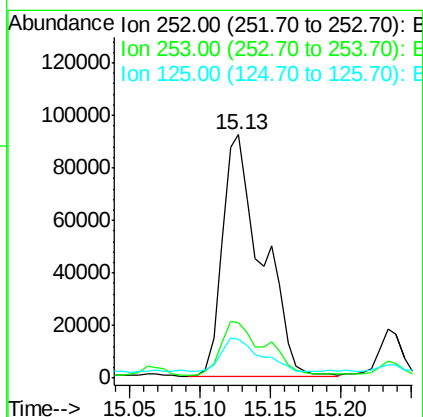
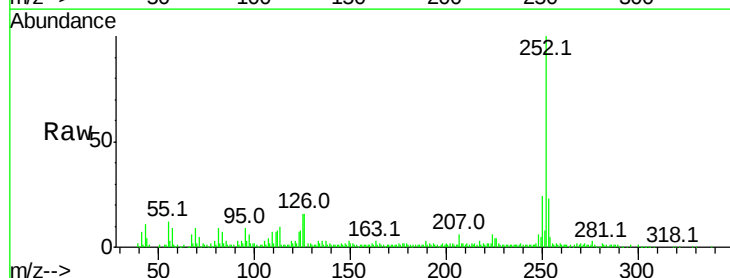
Instrument :
BNA_F
ClientSampleId :

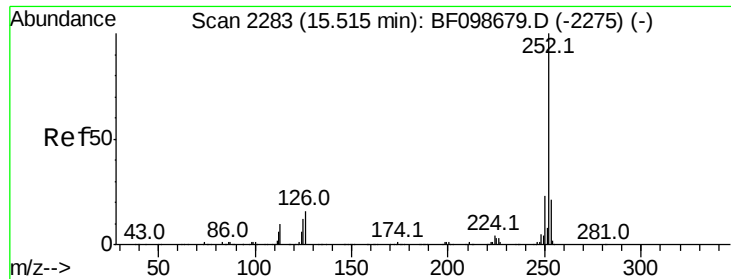
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	16.2	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 9.203 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	16.2	10.2	15.2

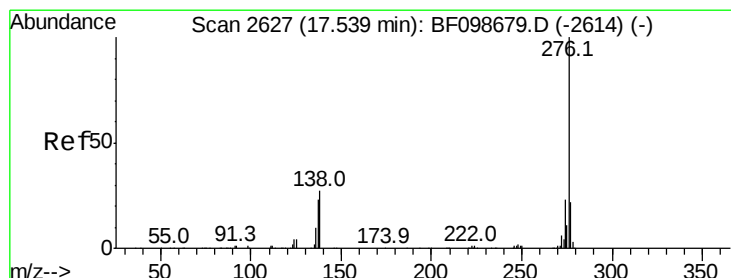
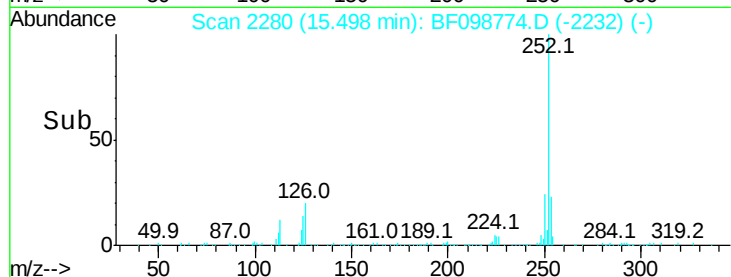
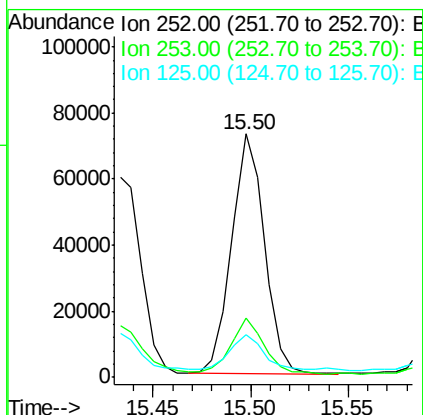
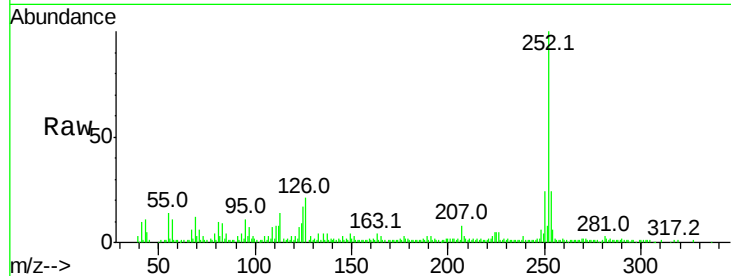




#89
Benzo(a)pyrene
Concen: 4.724 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	17.4	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 3.304 ng
RT: 17.52 min Scan# 2624
Delta R.T. -0.02 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	33.3	21.8	32.8

