

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098932.D
 Acq On : 29 Sep 2017 3:08
 Operator : SJ/JU
 Sample : I5491-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 03:54:26 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

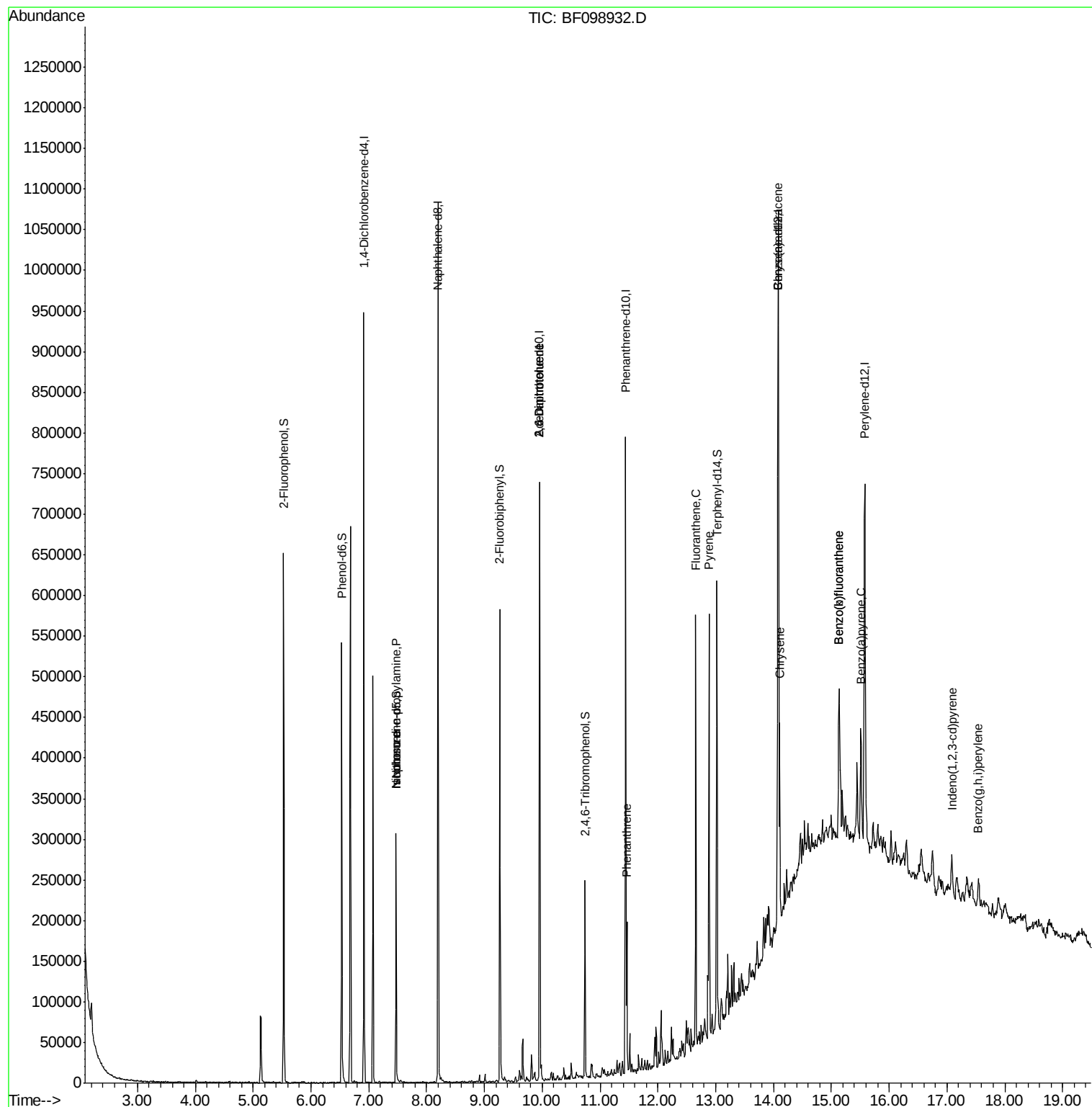
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	120005	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	419335	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	151911	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	252920	20.00	ng	0.00
75) Chrysene-d12	14.08	240	258068	20.00	ng	0.00
86) Perylene-d12	15.58	264	185492	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	159475	21.15	ng	-0.01
7) Phenol-d6	6.53	99	174011	18.71	ng	-0.01
23) Nitrobenzene-d5	7.47	82	95955	14.67	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	20705	16.66	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	162656	17.87	ng	-0.01
78) Terphenyl-d14	13.02	244	141342	12.46	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	12559	2.12	ng	# 79
25) Isophorone	7.47	82	95953	7.10	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	19098	7.65	ng	# 25
56) 2,4-Dinitrotoluene	9.95	165	19098	5.90	ng	# 23
70) Phenanthrene	11.46	178	58997	4.36	ng	100
74) Fluoranthene	12.66	202	197161	14.38	ng	96
77) Pyrene	12.89	202	192908	9.80	ng	98
80) Benzo(a)anthracene	14.07	228	80665	5.16	ng	94
82) Chrysene	14.10	228	91837	6.17	ng	95
85) Indeno(1,2,3-cd)pyrene	17.09	276	31644	2.66	ng	97
87) Benzo(b)fluoranthene	15.13	252	127378	11.17	ng	# 94
88) Benzo(k)fluoranthene	15.13	252	127378	11.31	ng	# 94
89) Benzo(a)pyrene	15.51	252	59544	5.69	ng	# 89
91) Benzo(a,h,i)perylene	17.54	276	30865	3.73	ng	# 87

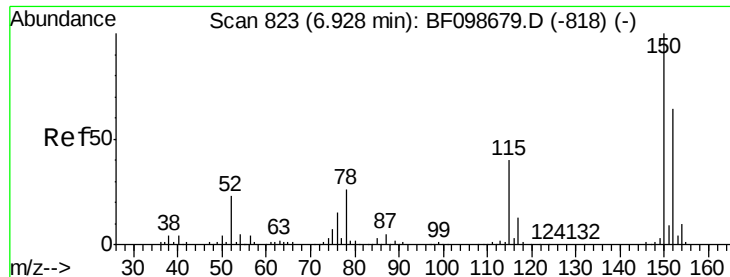
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Instrument :

BNA_F

ClientSampleId :

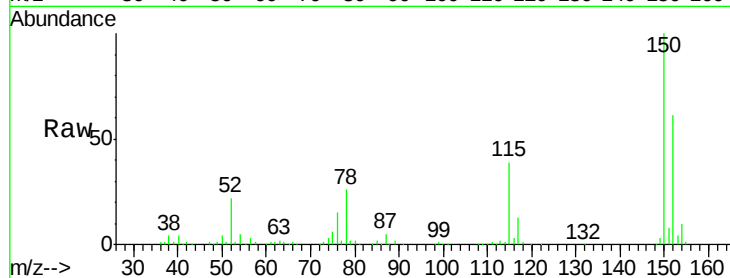
Tot Ion:152 Resp: 120005

Ion Ratio Lower Upper

152 100

150 162.7 124.6 186.8

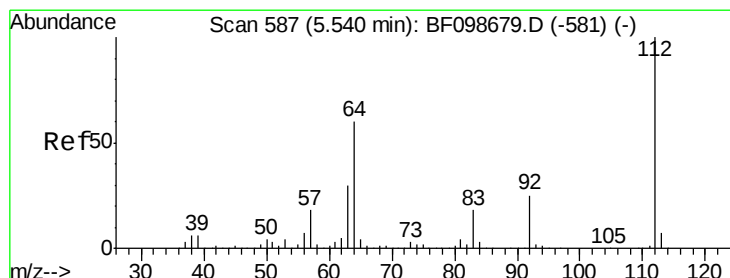
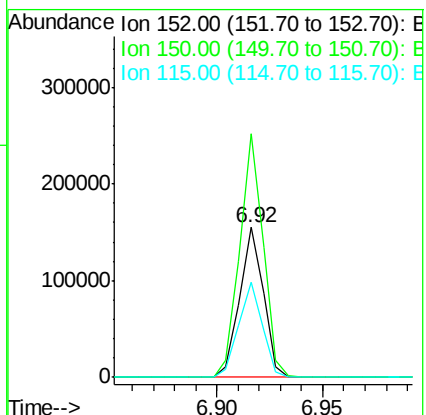
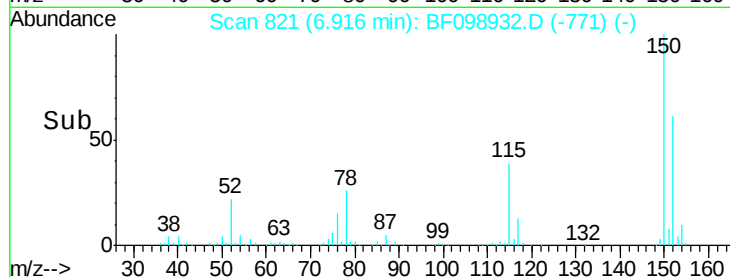
115 63.2 50.1 75.1



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: 21.15 ng

RT: 5.53 min Scan# 585

Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

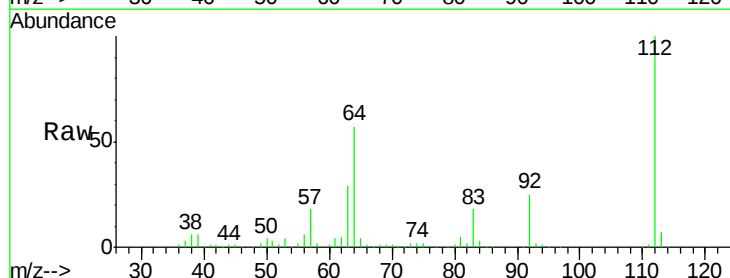
Tgt Ion:112 Resp: 159475

Ion Ratio Lower Upper

112 100

64 57.1 47.9 71.9

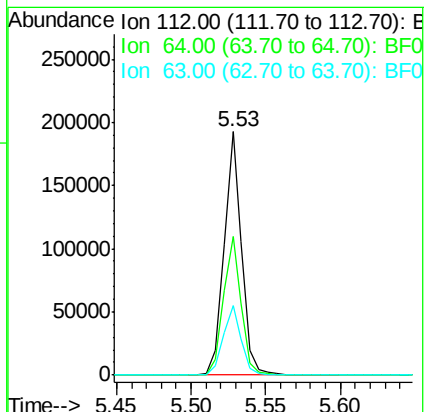
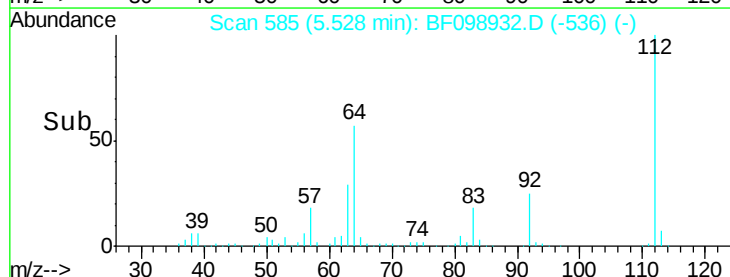
63 28.7 23.7 35.5

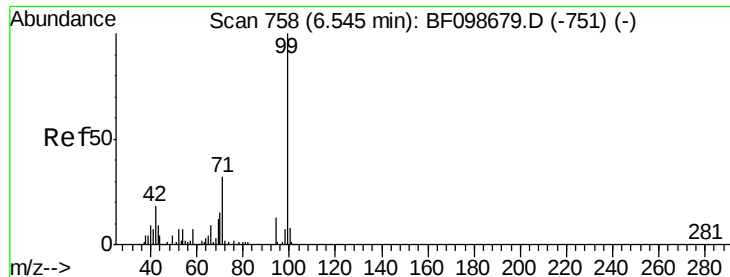


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.71 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Instrument :

BNA_F

ClientSampled :

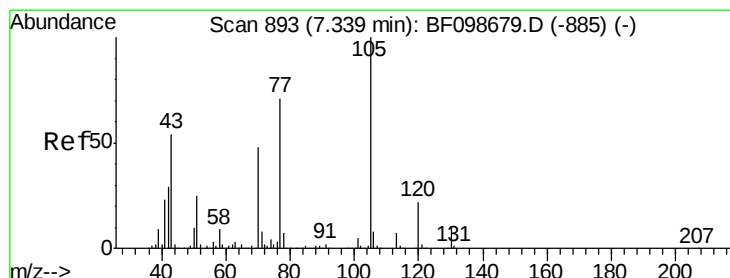
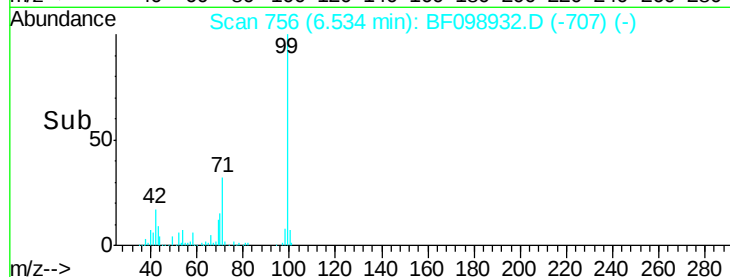
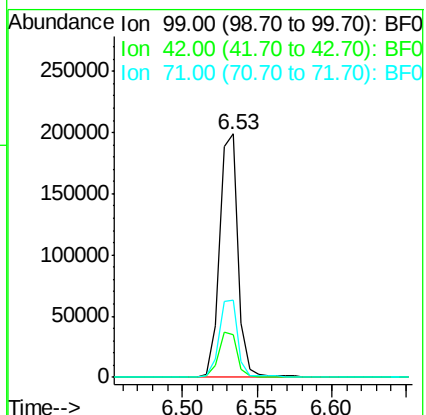
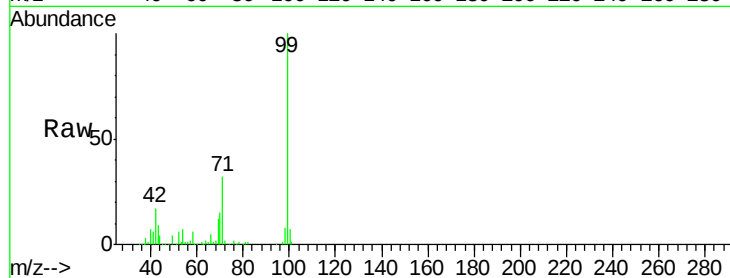
Tot Ion: 99 Resp: 174011

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

71 31.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.12 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.14 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Tgt Ion: 70 Resp: 12559

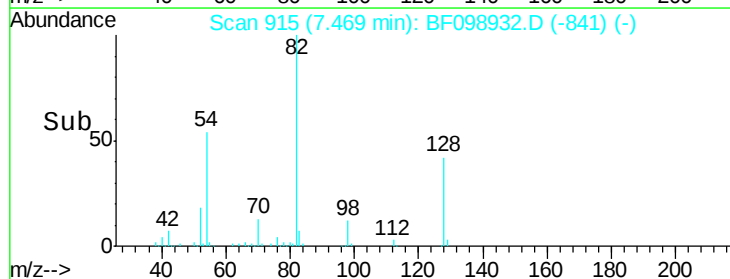
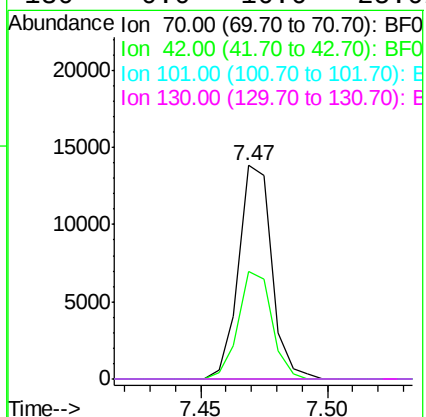
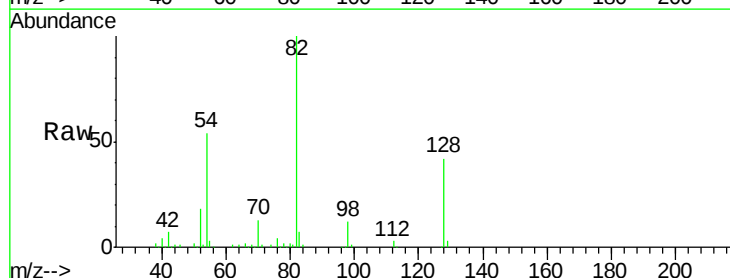
Ion Ratio Lower Upper

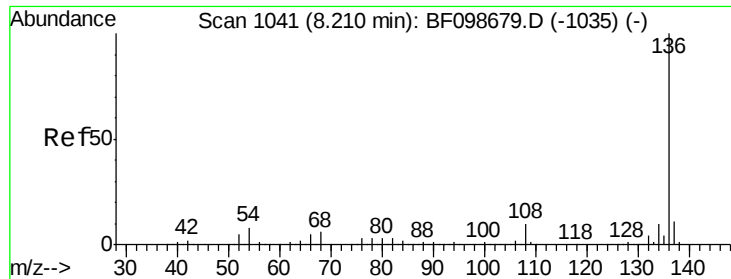
70 100

42 50.7 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

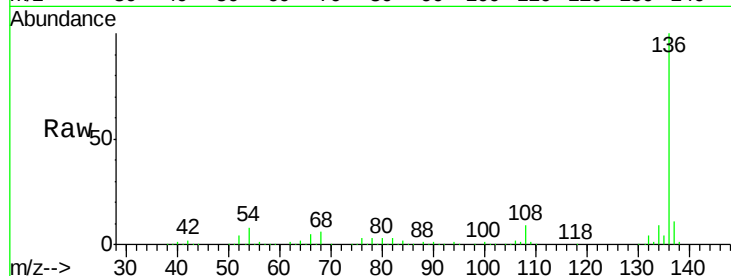




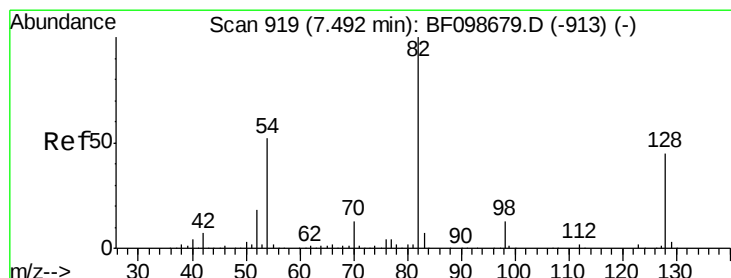
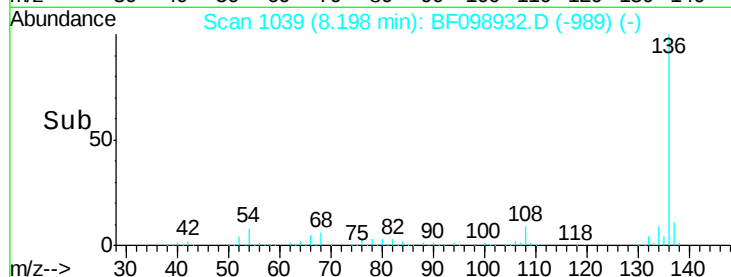
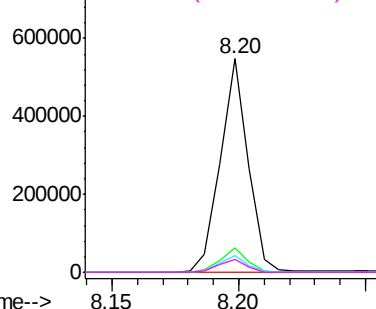
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	419335
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.6	6.6	9.8
68	5.9	5.0	7.4

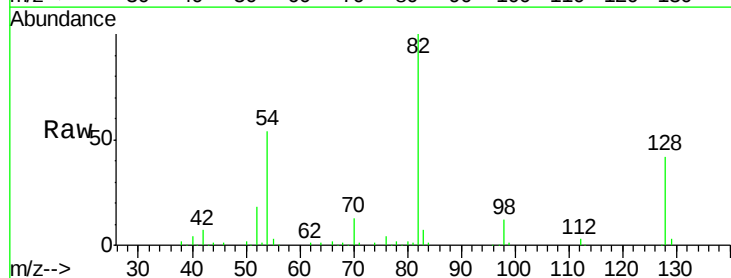


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

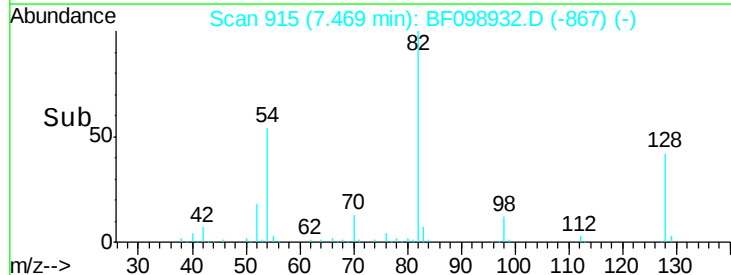
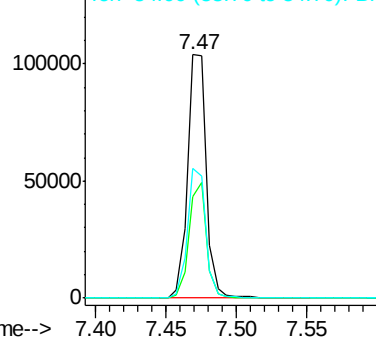


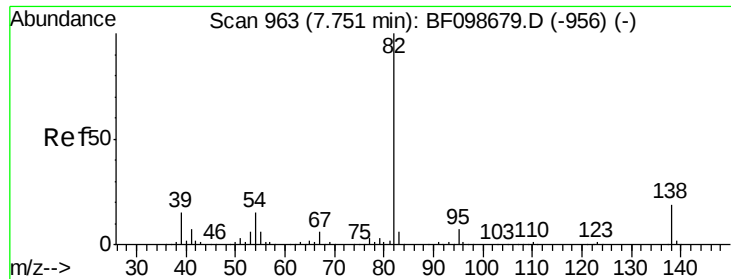
#23
Nitrobenzene-d5
Concen: 14.67 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Tgt Ion:	82	Resp:	95955
Ion	Ratio	Lower	Upper
82	100		
128	41.5	36.1	54.1
54	53.5	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

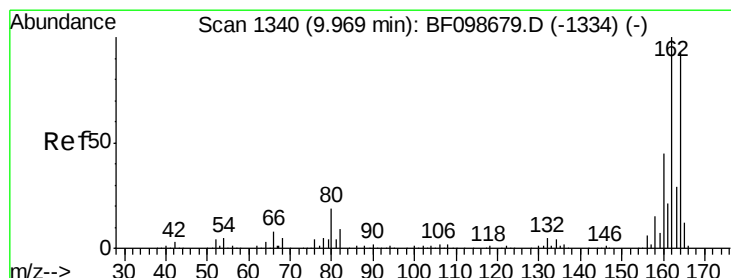
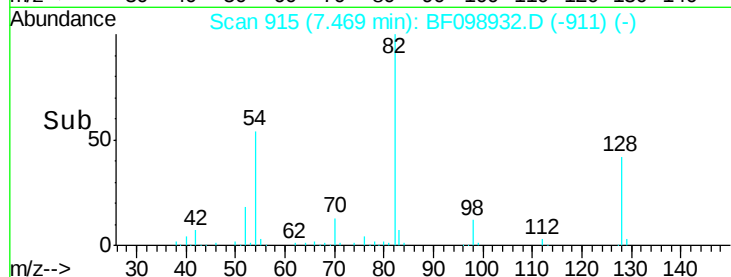
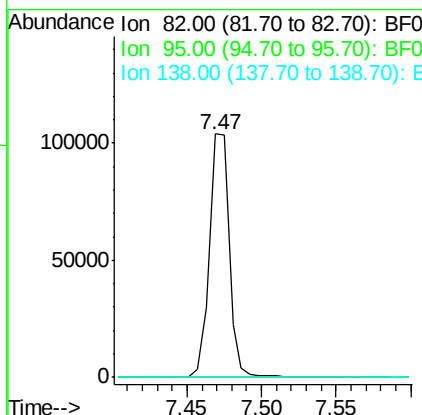
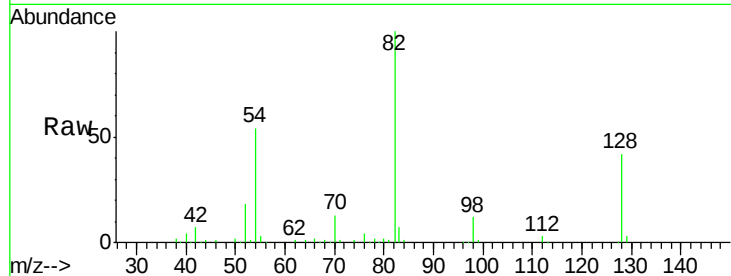




#25
Isophorone
Concen: 7.10 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.28 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

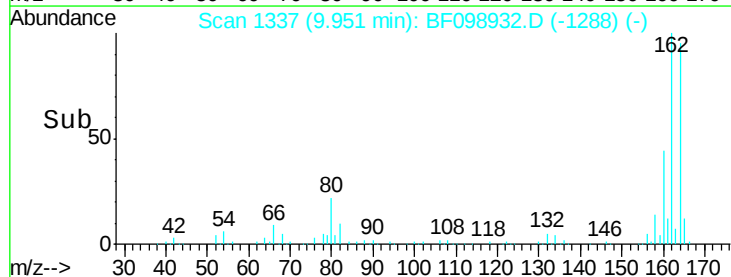
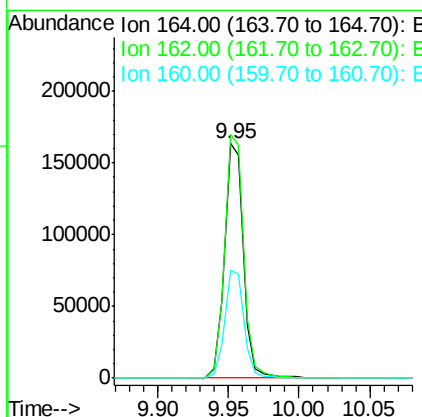
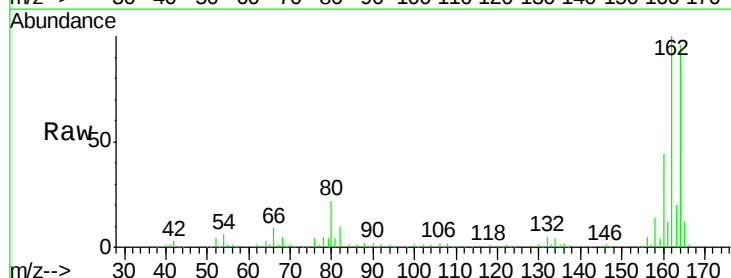
Instrument :
BNA_F
ClientSampleId :

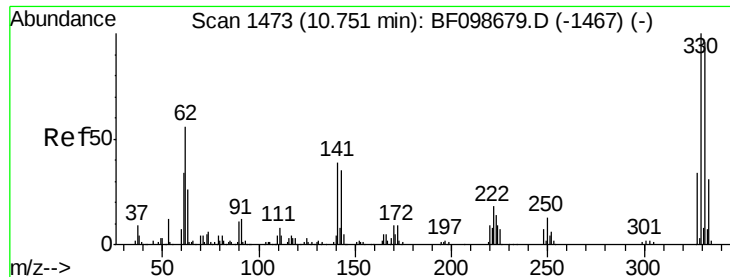
Tot Ion: 82 Resp: 95953
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Tgt Ion:164 Resp: 151911
Ion Ratio Lower Upper
164 100
162 103.8 86.1 129.1
160 46.0 38.3 57.5

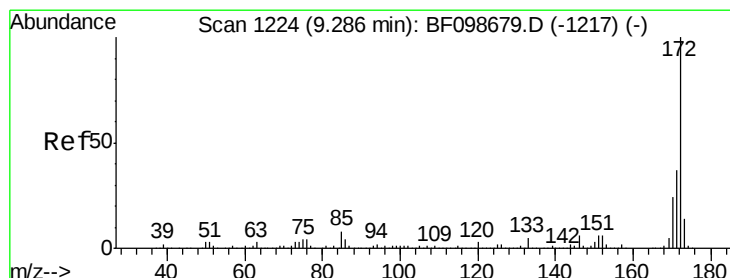
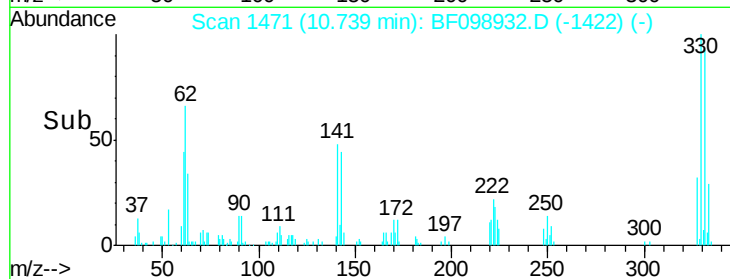
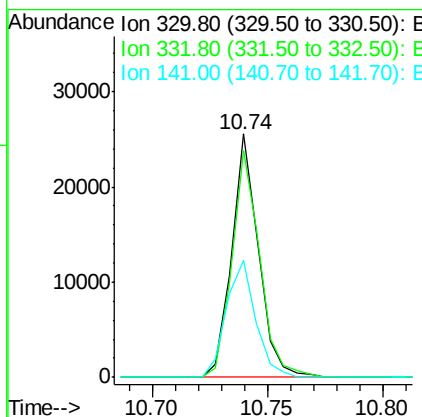
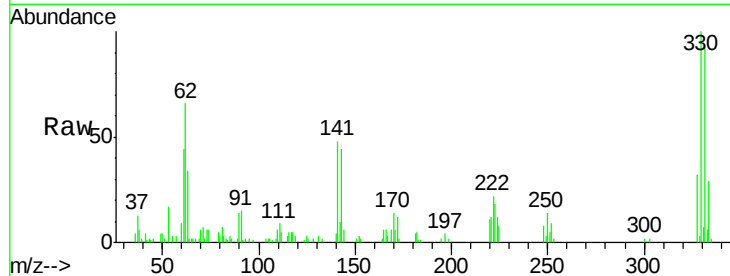




#41
 2,4,6-Tribromophenol
 Concen: 16.66 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098932.D
 Acq: 29 Sep 2017 3:08

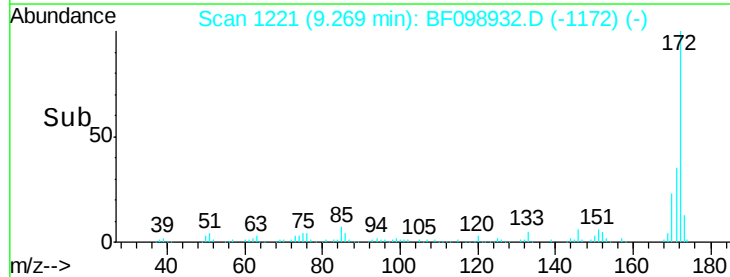
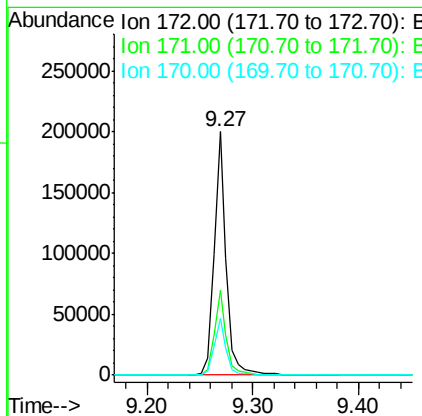
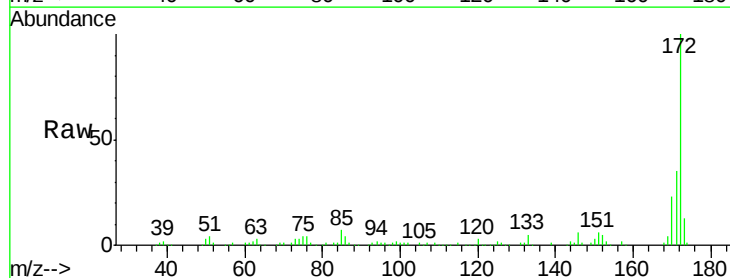
Instrument :
 BNA_F
 ClientSampleId :

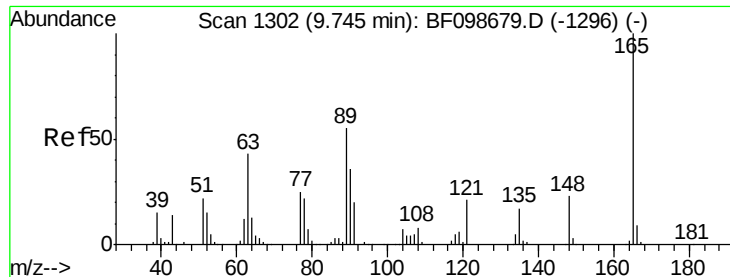
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	52.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 17.87 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098932.D
 Acq: 29 Sep 2017 3:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.5	19.6	29.4

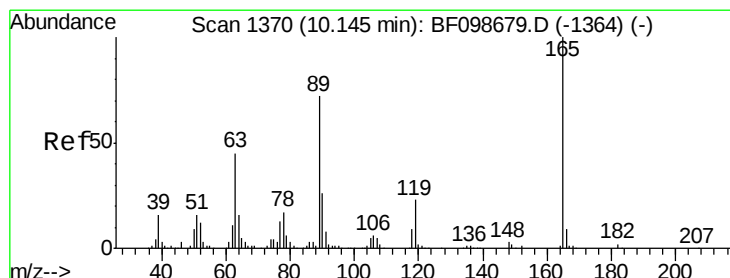
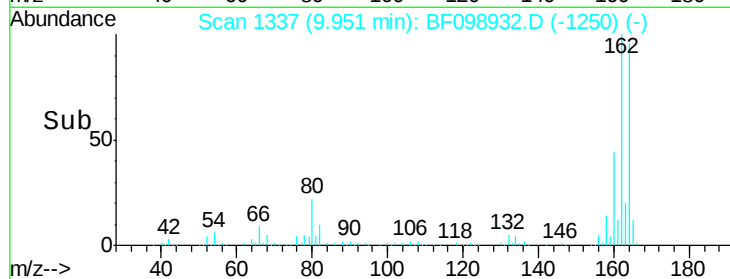
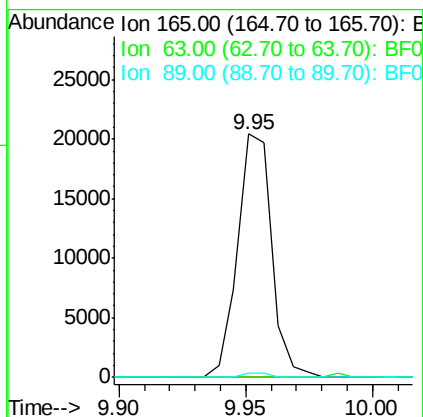
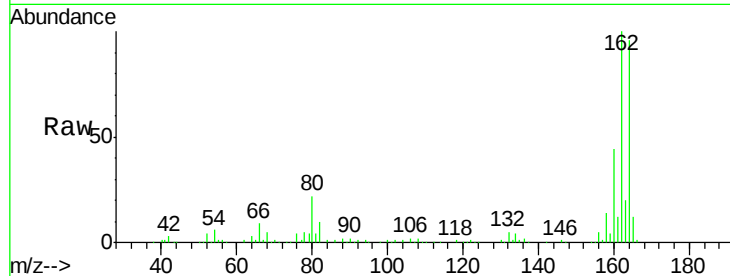




#50
 2,6-Dinitrotoluene
 Concen: 7.65 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098932.D
 Acq: 29 Sep 2017 3:08

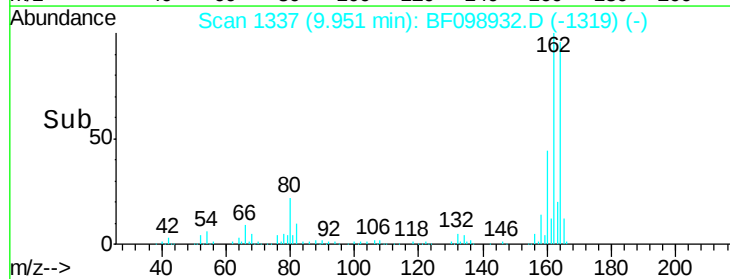
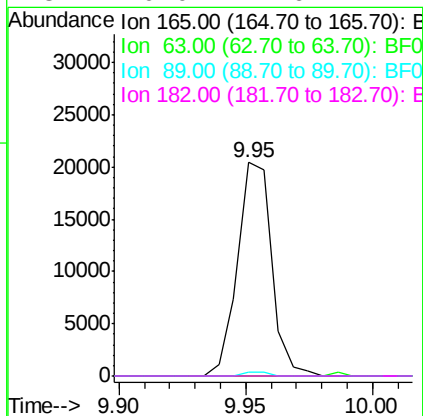
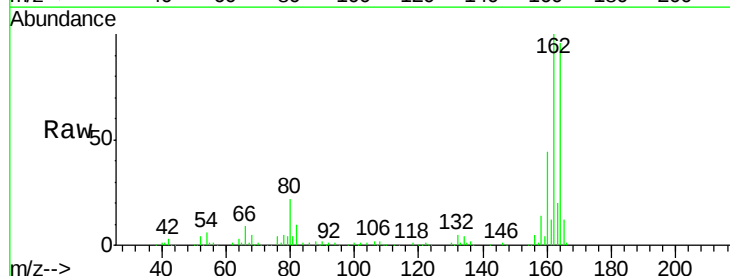
Instrument :
 BNA_F
 ClientSampleId :

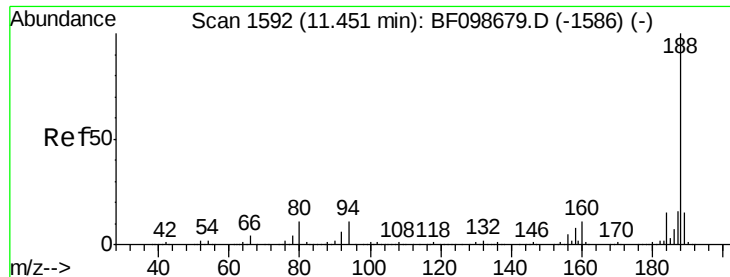
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.90 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098932.D
 Acq: 29 Sep 2017 3:08

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

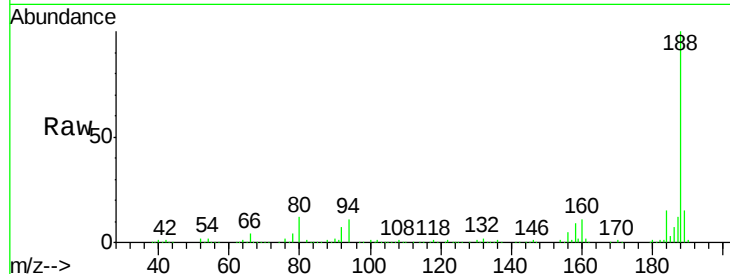




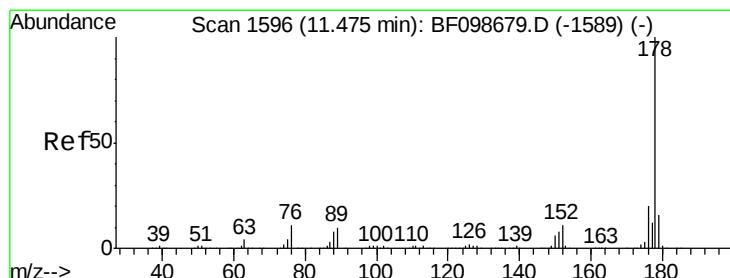
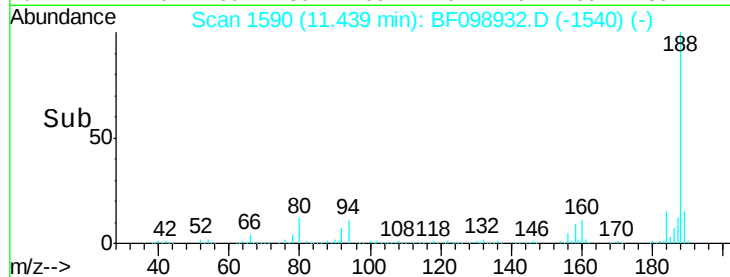
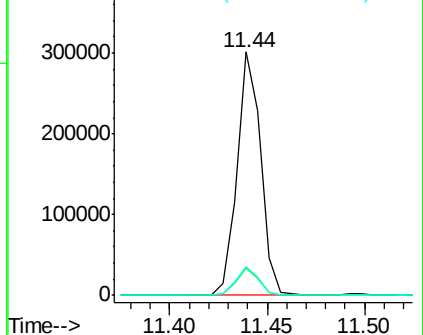
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.0	9.2	13.8

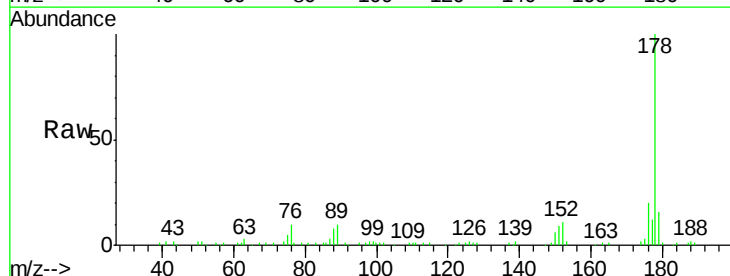


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

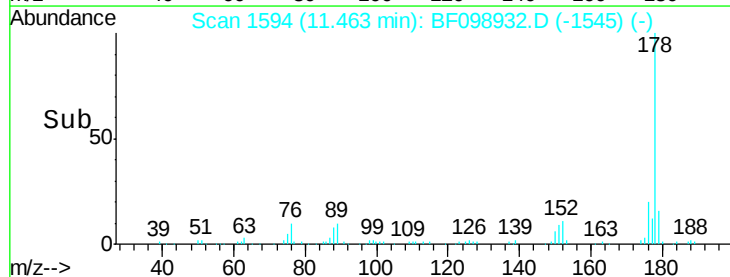
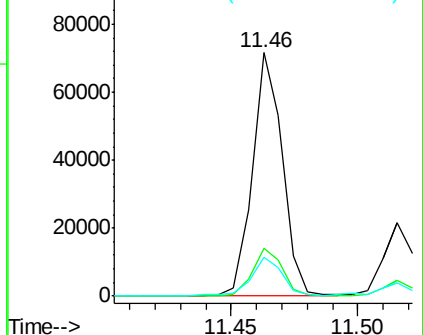


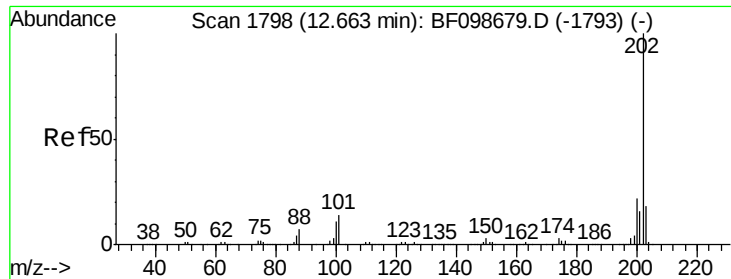
#70
Phenanthrene
Concen: 4.36 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.9	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: 14.38 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098932.D

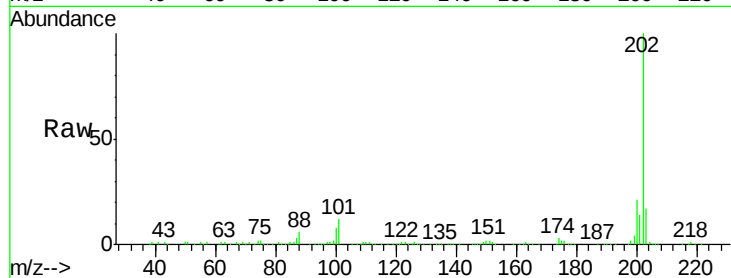
Acq: 29 Sep 2017 3:08

Instrument :

BNA_F

ClientSampleId :

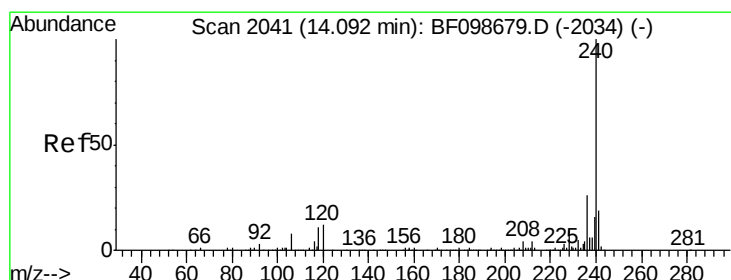
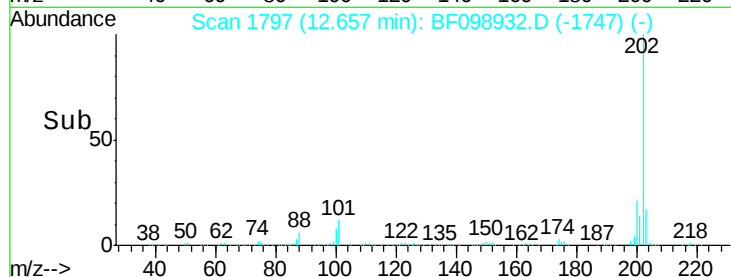
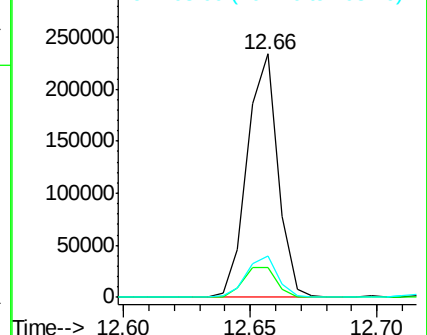
Tot Ion:	202	Resp:	197161
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	16.9	0.0	38.1



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

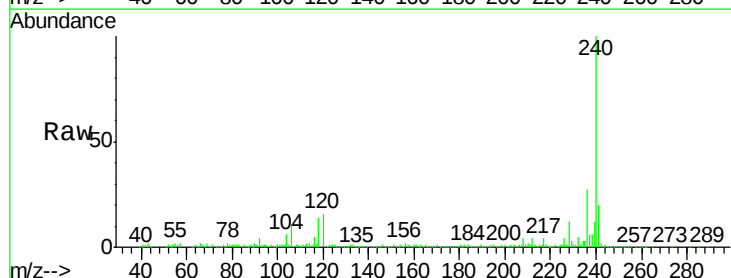
RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

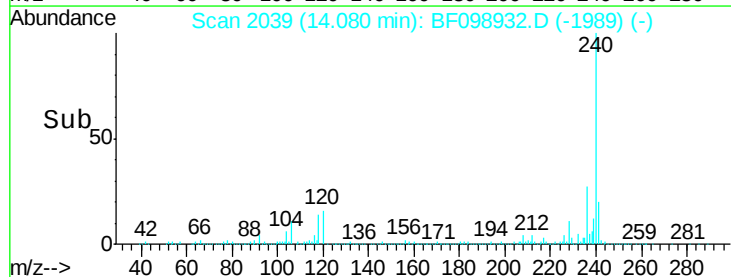
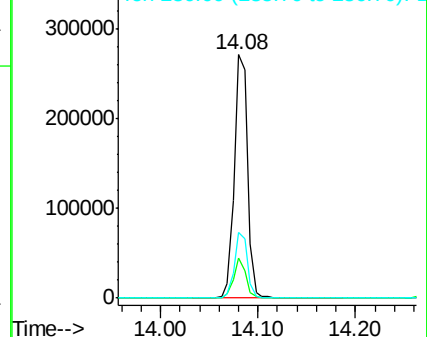
Tgt Ion:	240	Resp:	258068
Ion	Ratio	Lower	Upper
240	100		
120	16.3	9.5	14.3#
236	26.8	20.7	31.1

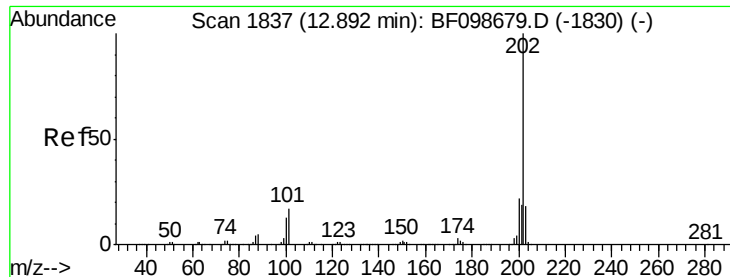


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.80 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Instrument :

BNA_F

ClientSampled :

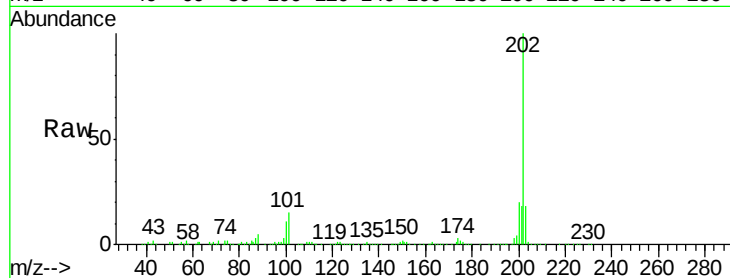
Tot Ion:202 Resp: 192908

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

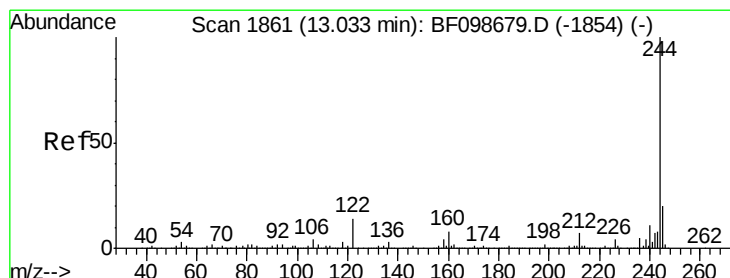
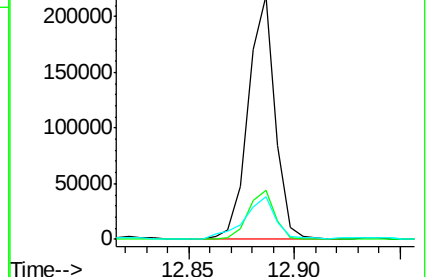
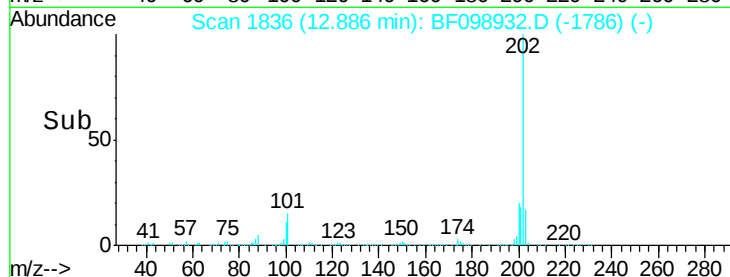
203 17.7 14.3 21.5



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: 12.46 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

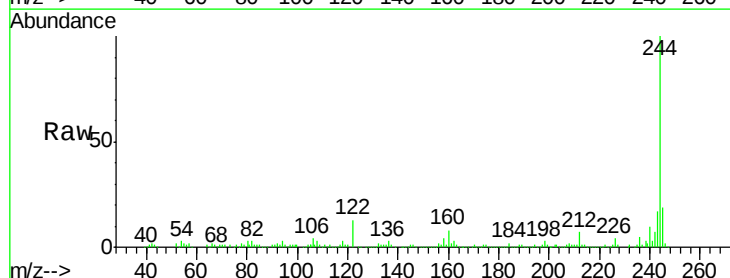
Tgt Ion:244 Resp: 141342

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

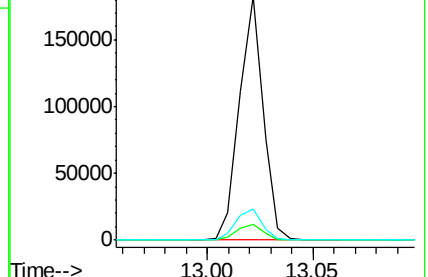
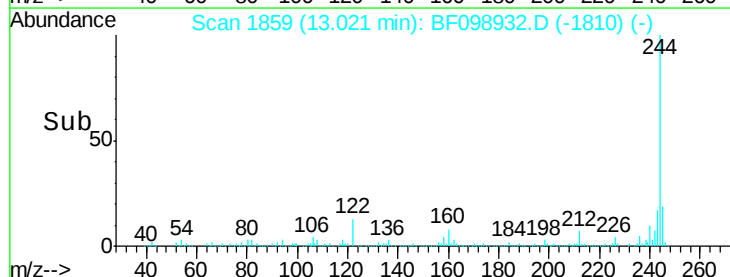
122 12.8 11.0 16.4

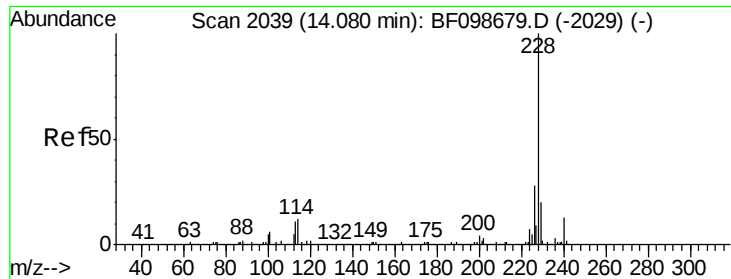


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.16 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Instrument :

BNA_F

ClientSampleId :

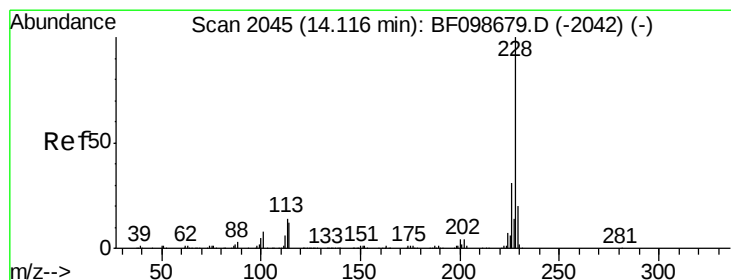
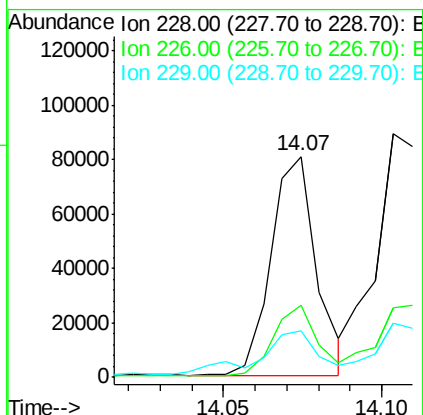
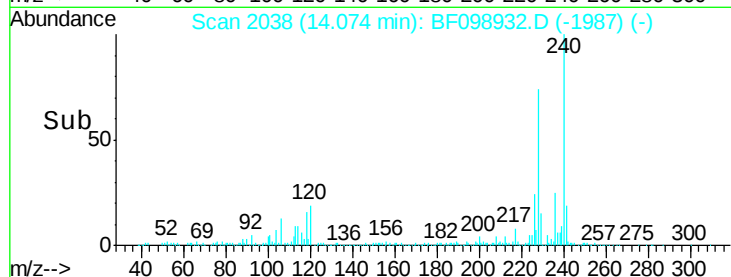
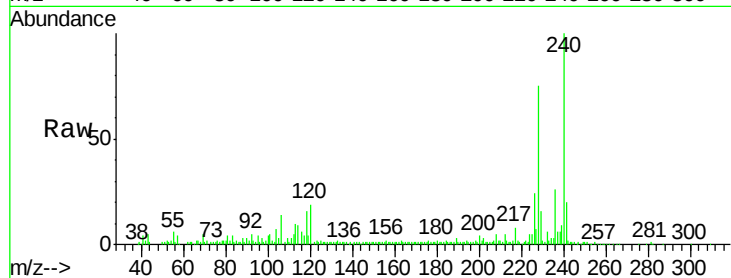
Tot Ion:228 Resp: 80665

Ion Ratio Lower Upper

228 100

226 32.7 22.6 33.8

229 21.0 15.8 23.6



#82

Chrysene

Concen: 6.17 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

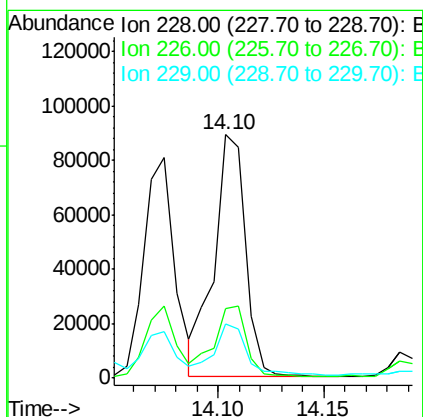
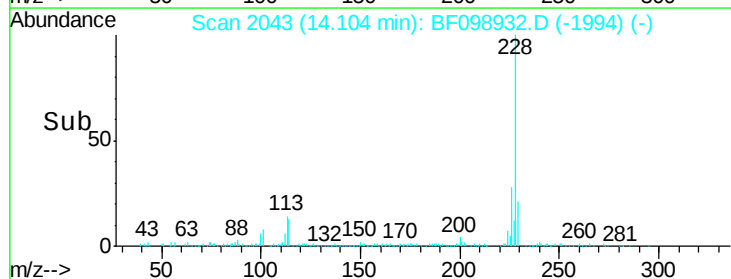
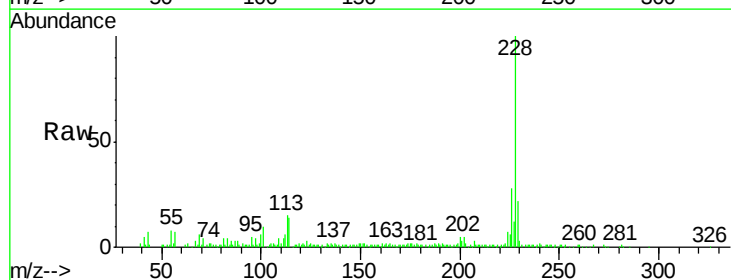
Tgt Ion:228 Resp: 91837

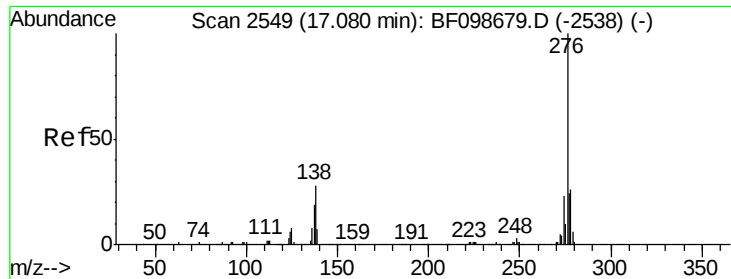
Ion Ratio Lower Upper

228 100

226 28.4 25.0 37.6

229 22.2 16.2 24.4

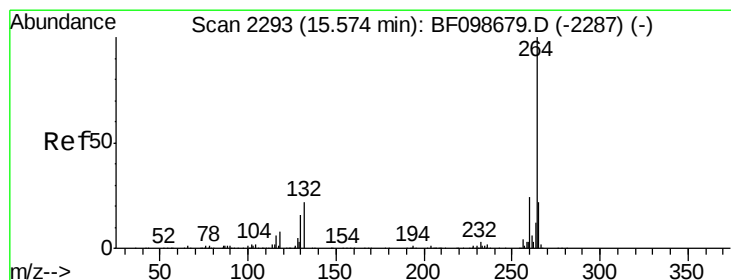
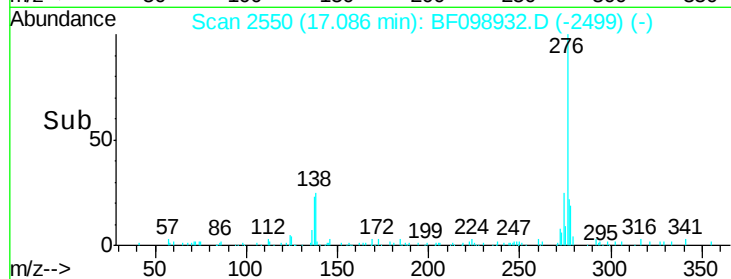
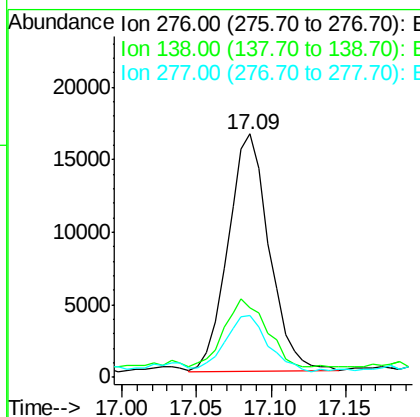
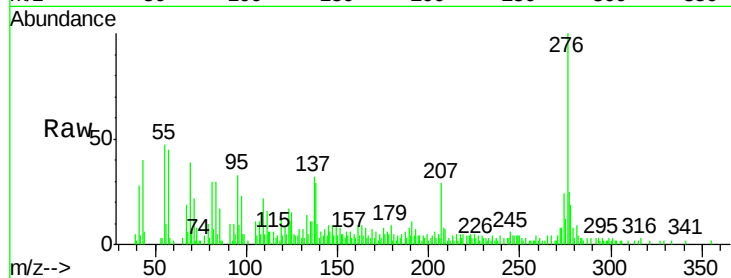




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.66 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

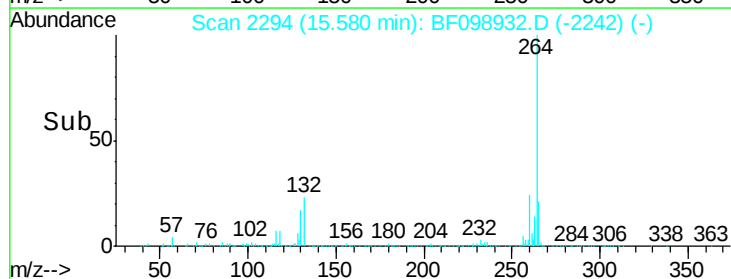
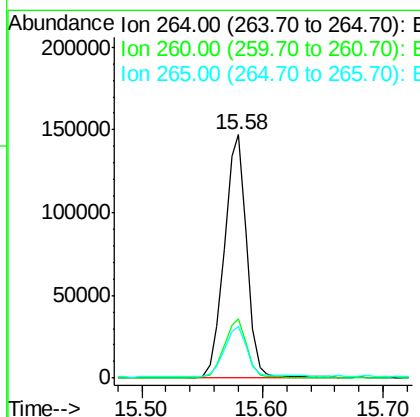
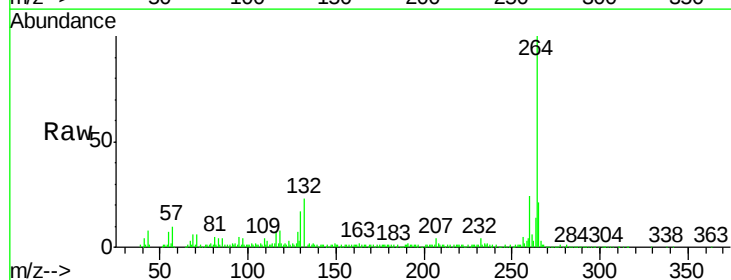
Instrument :
BNA_F
ClientSampleId :

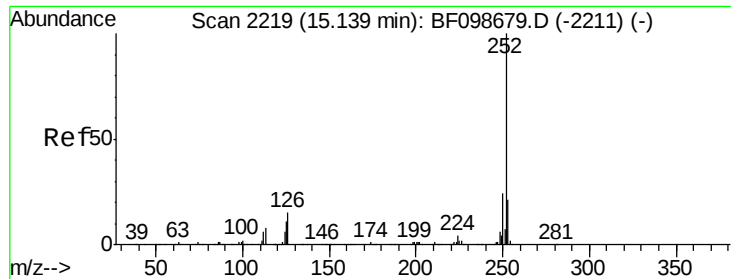
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.4	25.0	37.6
277	24.1	20.1	30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 11.17 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Instrument :

BNA_F

ClientSampleId :

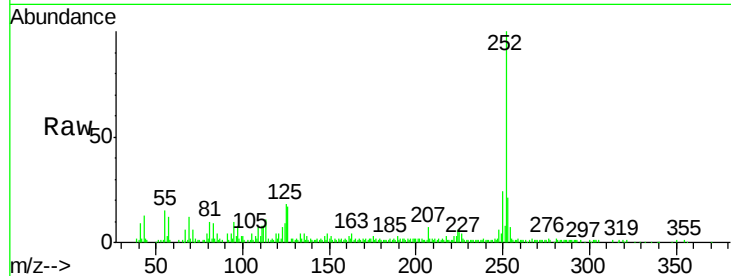
Tot Ion:252 Resp: 127378

Ion Ratio Lower Upper

252 100

253 21.4 17.0 25.6

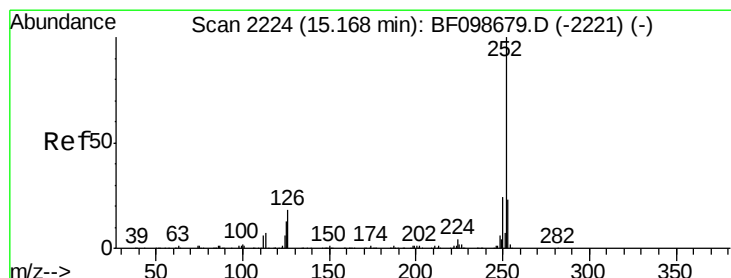
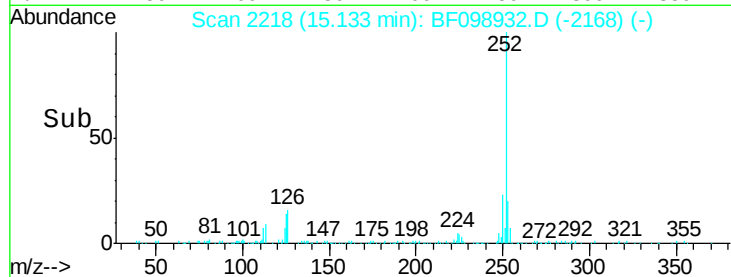
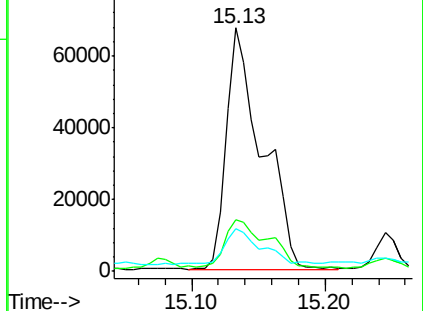
125 17.5 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 11.31 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.04 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

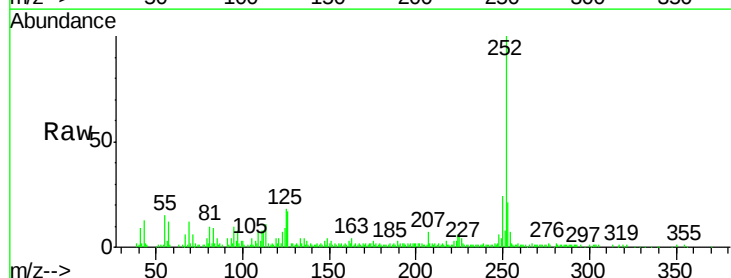
Tgt Ion:252 Resp: 127378

Ion Ratio Lower Upper

252 100

253 21.4 17.9 26.9

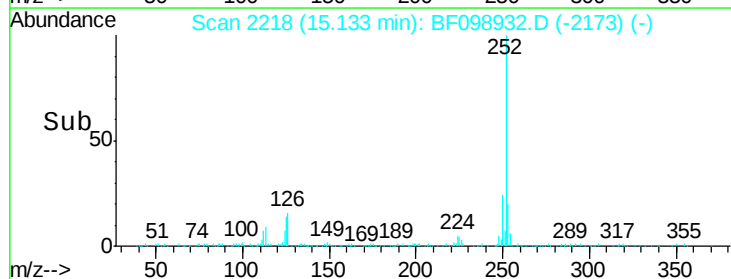
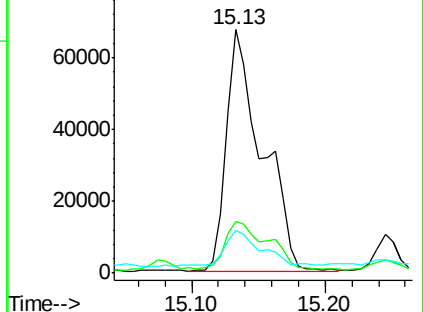
125 17.5 10.2 15.2#

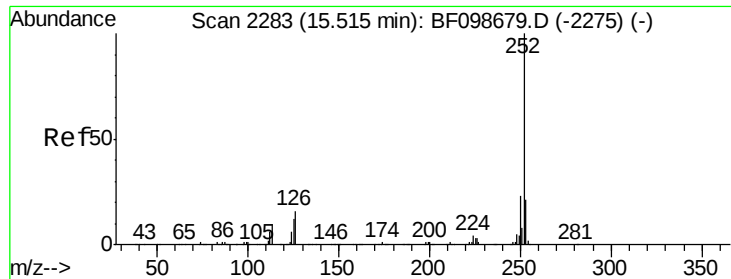


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

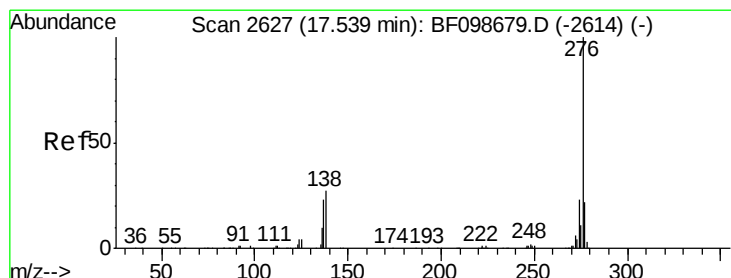
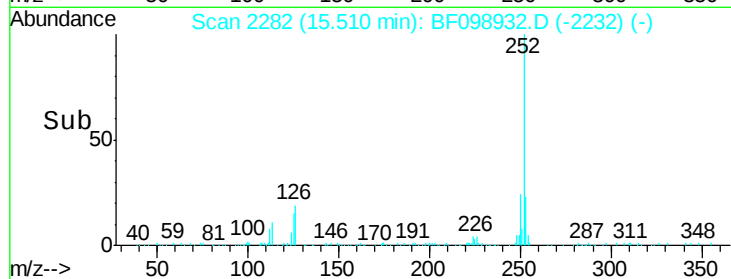
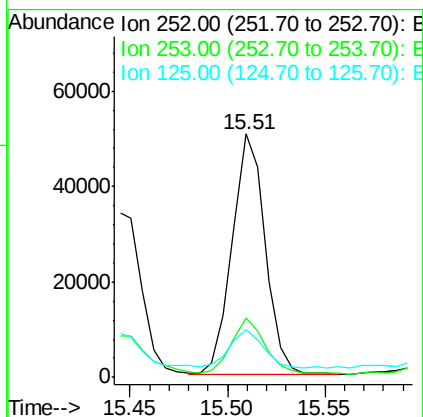
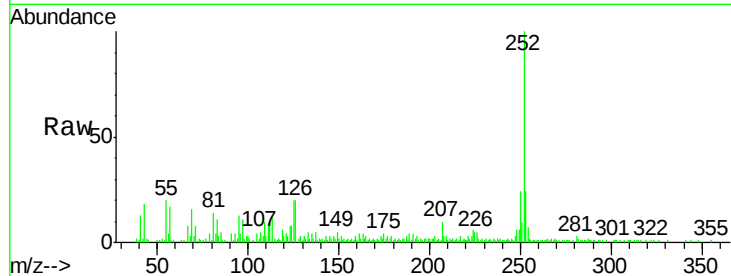




#89
Benzo(a)pyrene
Concen: 5.69 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 59544
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 19.9 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.73 ng
RT: 17.54 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Tgt Ion:276 Resp: 30865
Ion Ratio Lower Upper
276 100
277 27.3 17.9 26.9#
138 35.4 21.8 32.8#

