

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098874.D
 Acq On : 27 Sep 2017 20:35
 Operator : SJ/JU
 Sample : I5444-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:53:27 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

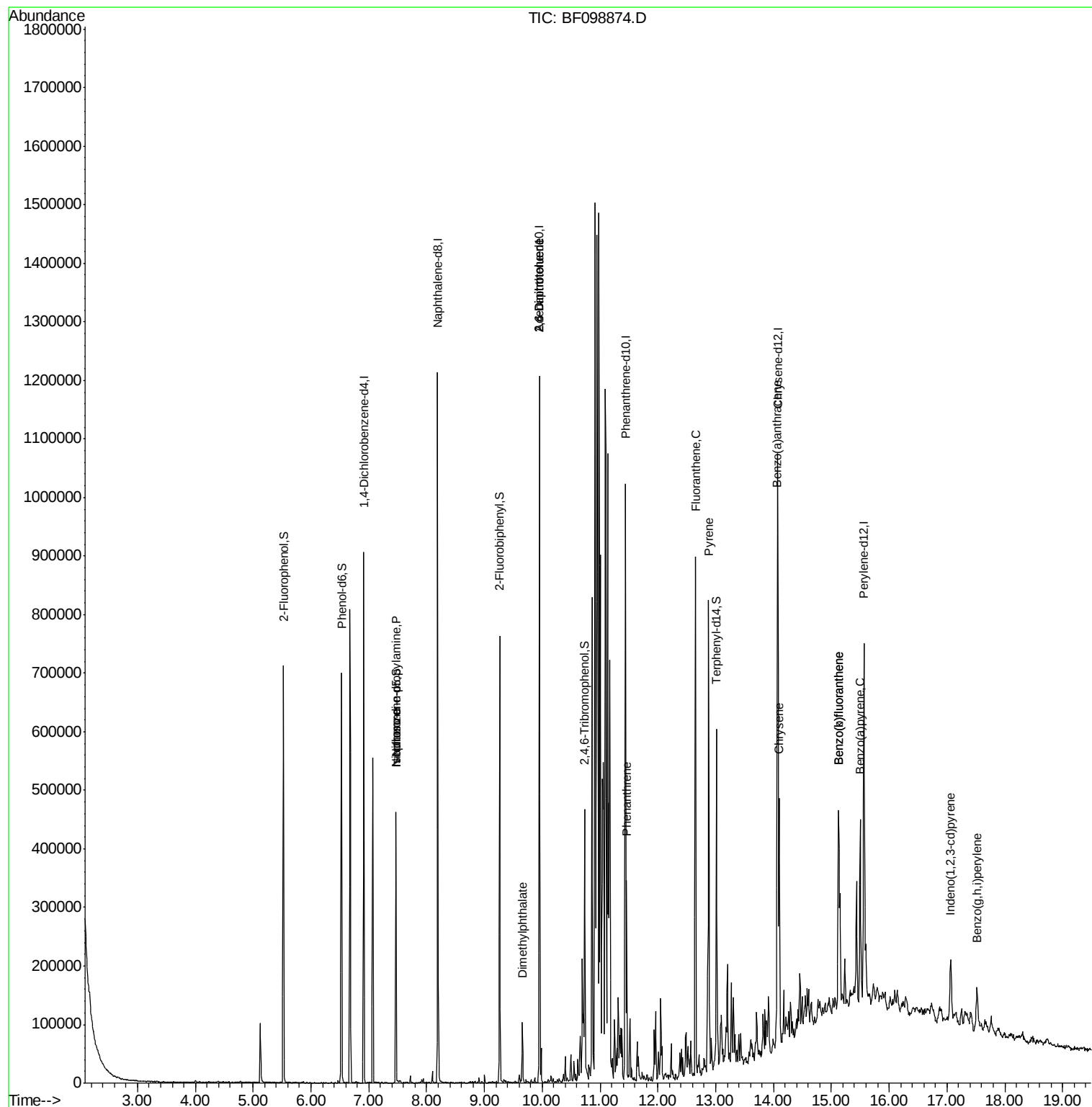
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	126498	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	511280	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	216813	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	335878	20.00	ng	0.00
75) Chrysene-d12	14.07	240	249615	20.00	ng	-0.01
86) Perylene-d12	15.57	264	256681	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	181808	22.88	ng	-0.02
7) Phenol-d6	6.53	99	219901	22.43	ng	-0.02
23) Nitrobenzene-d5	7.47	82	130067	16.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	32431	18.28	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	225611	17.37	ng	-0.02
78) Terphenyl-d14	13.02	244	140833	12.83	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	16801	2.68	ng	# 80
25) Isophorone	7.47	82	130065	7.89	ng	# 64
49) Dimethylphthalate	9.66	163	33925	2.07	ng	100
50) 2,6-Dinitrotoluene	9.95	165	27357	7.68	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	27357	5.92	ng	# 23
70) Phenanthrene	11.46	178	124807	6.94	ng	97
74) Fluoranthene	12.65	202	337466	18.54	ng	96
77) Pyrene	12.88	202	308840	16.23	ng	99
80) Benzo(a)anthracene	14.06	228	171362	11.34	ng	98
82) Chrysene	14.10	228	143621	9.98	ng	95
85) Indeno(1,2,3-cd)pyrene	17.06	276	65610	5.70	ng	95
87) Benzo(b)fluoranthene	15.13	252	256647	16.26	ng	# 97
88) Benzo(k)fluoranthene	15.13	252	256647	16.46	ng	98
89) Benzo(a)pyrene	15.50	252	138448	9.56	ng	# 96
91) Benzo(a,h,i)perylene	17.52	276	57752	5.04	ng	94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

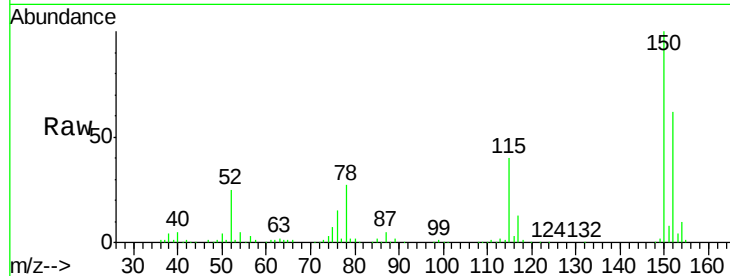
Tot Ion:152 Resp: 126498

Ion Ratio Lower Upper

152 100

150 160.5 124.6 186.8

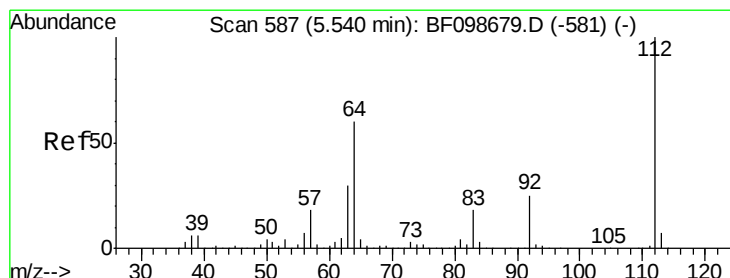
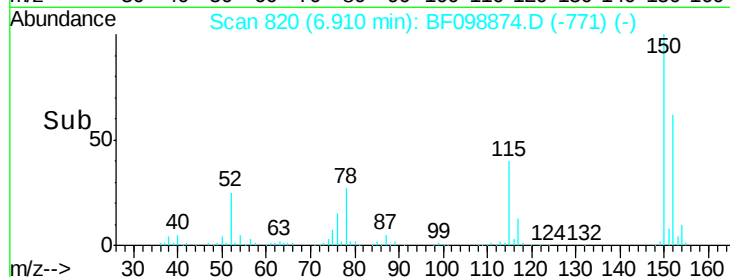
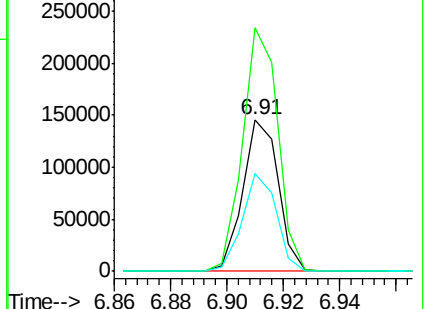
115 64.4 50.1 75.1



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: 22.88 ng

RT: 5.52 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

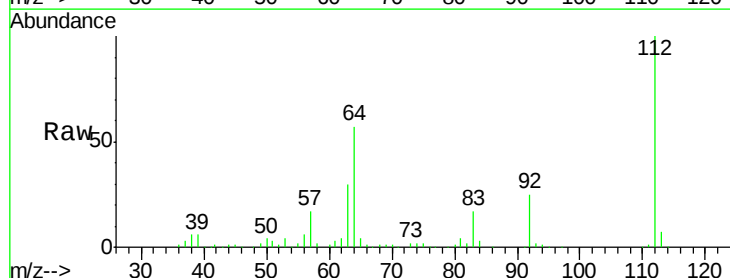
Tgt Ion:112 Resp: 181808

Ion Ratio Lower Upper

112 100

64 57.3 47.9 71.9

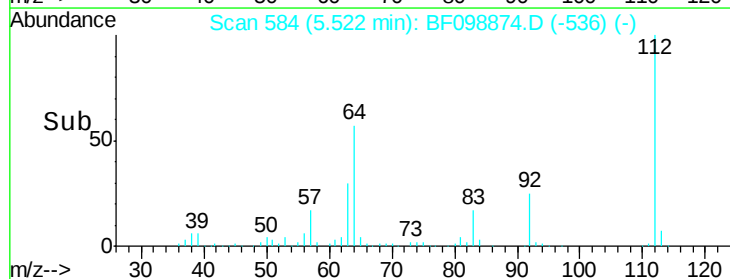
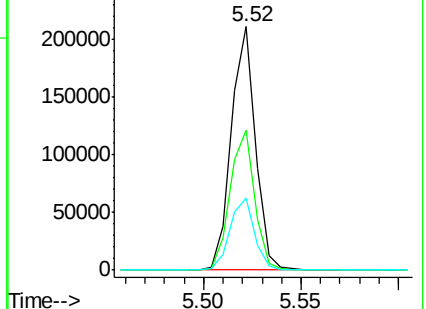
63 29.8 23.7 35.5

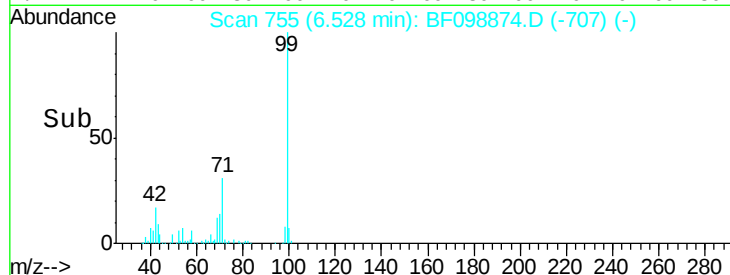
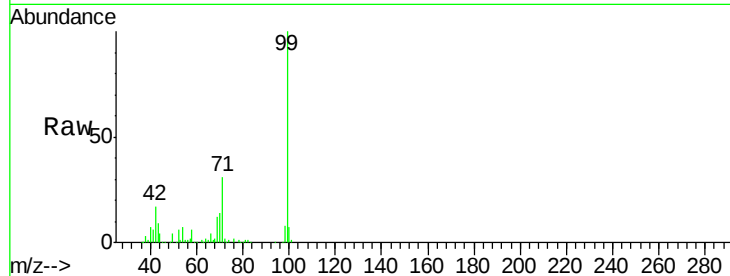


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.43 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

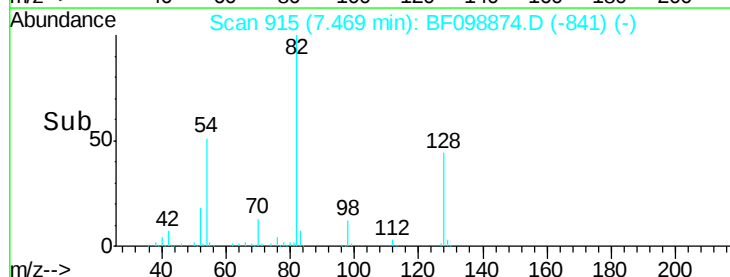
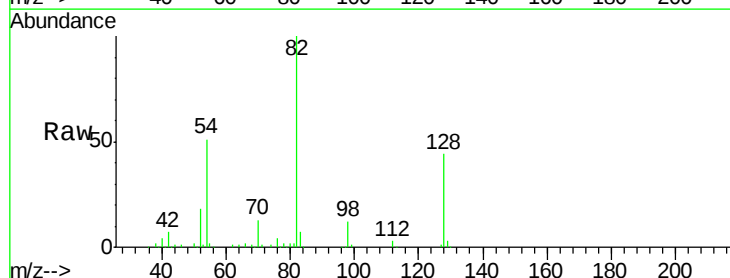
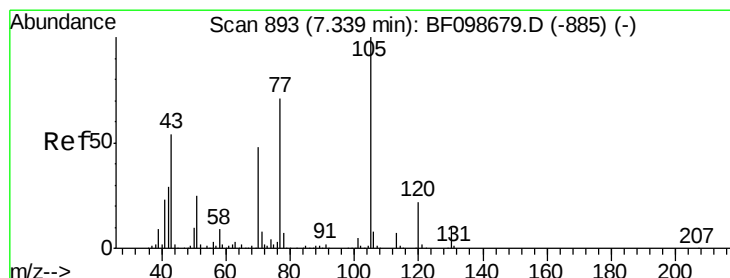
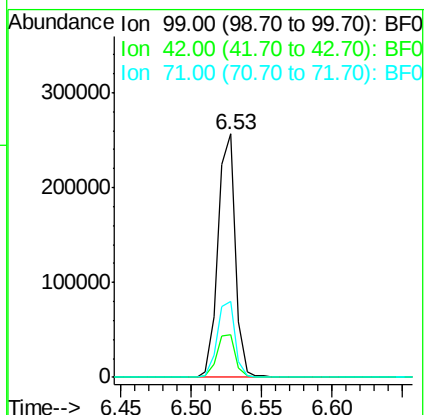
Tot Ion: 99 Resp: 219901

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

71 31.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.68 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.14 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Tgt Ion: 70 Resp: 16801

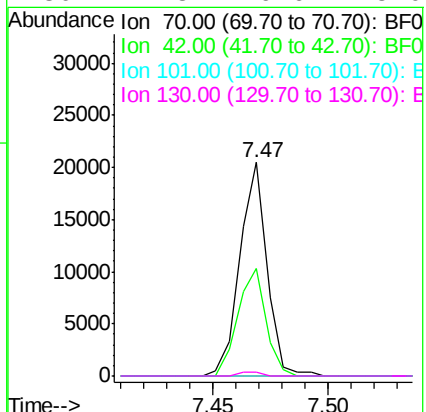
Ion Ratio Lower Upper

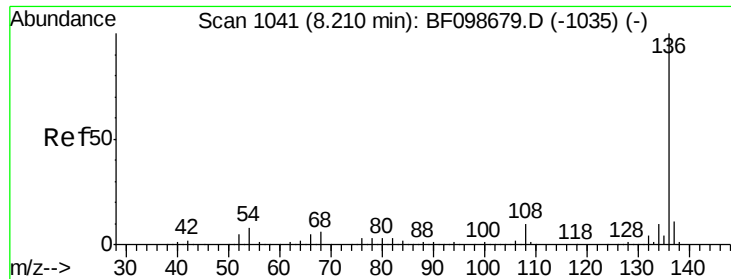
70 100

42 50.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

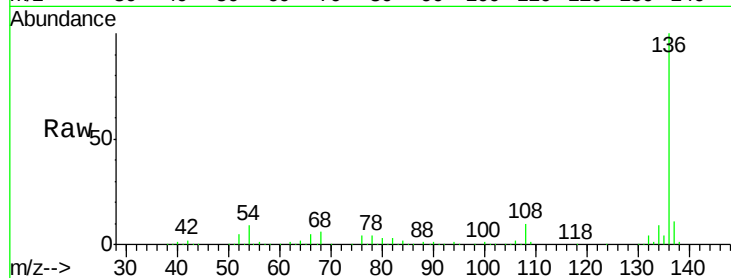




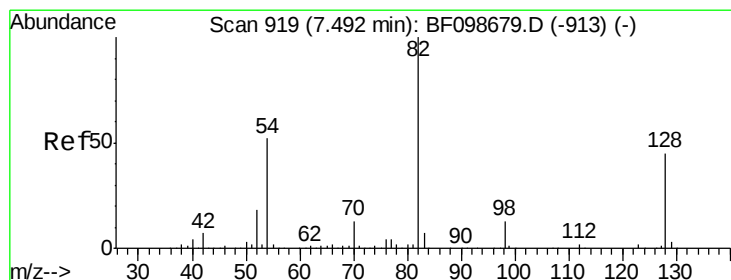
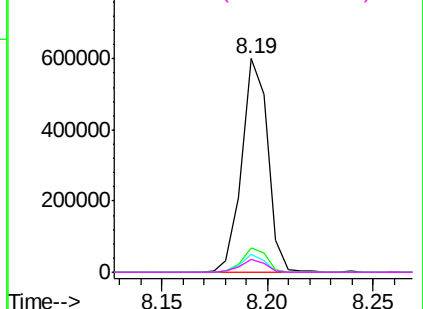
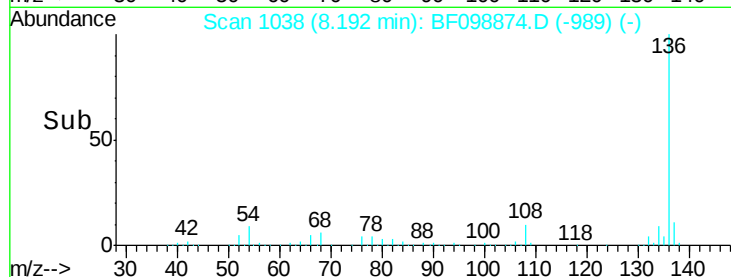
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	511280
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	8.6	6.6 9.8
68	6.2	5.0 7.4

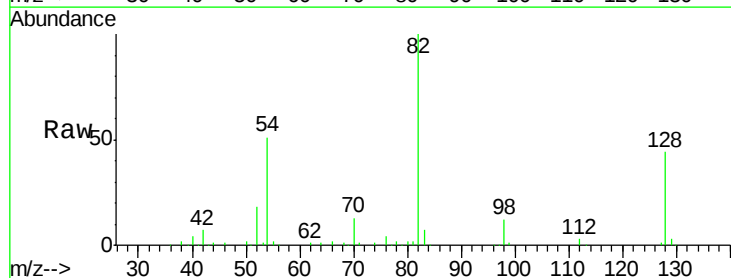


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

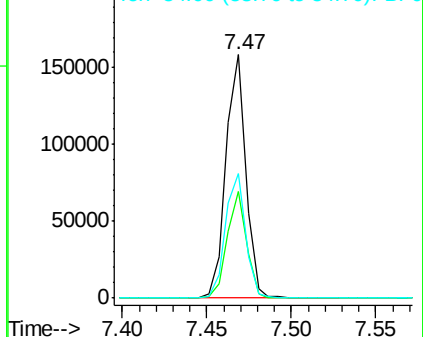
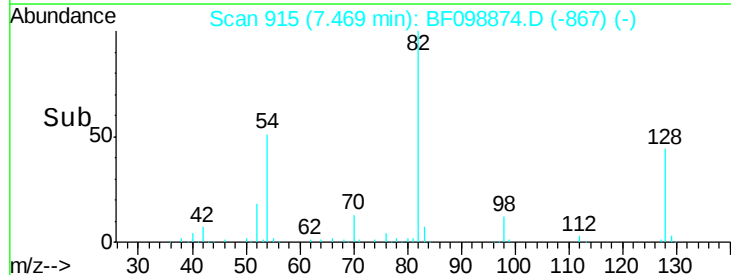


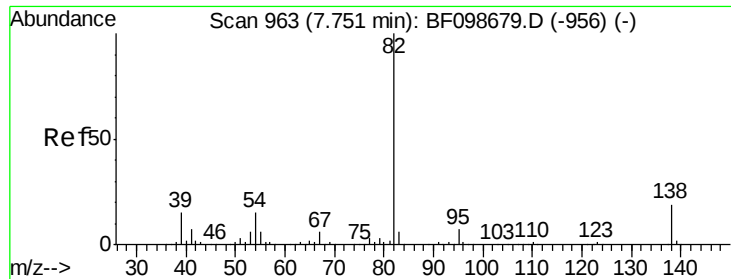
#23
Nitrobenzene-d5
Concen: 16.31 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

Tgt Ion: 82	Resp:	130067
Ion Ratio	Lower	Upper
82	100	
128	43.6	36.1 54.1
54	51.2	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: 7.89 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.28 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

ClientSampled :

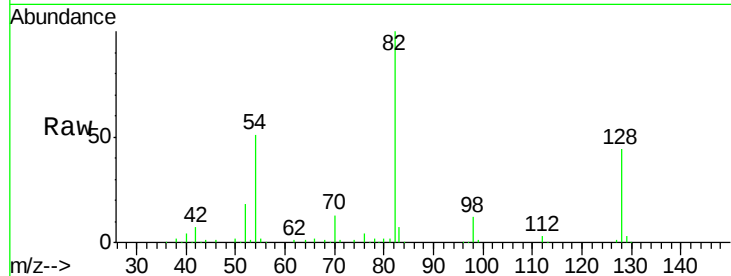
Tot Ion: 82 Resp: 130065

Ion Ratio Lower Upper

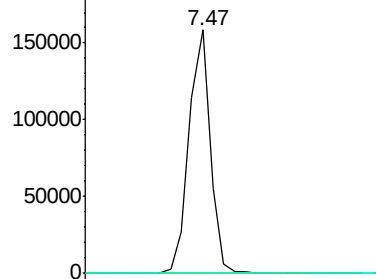
82 100

95 0.0 5.2 7.8#

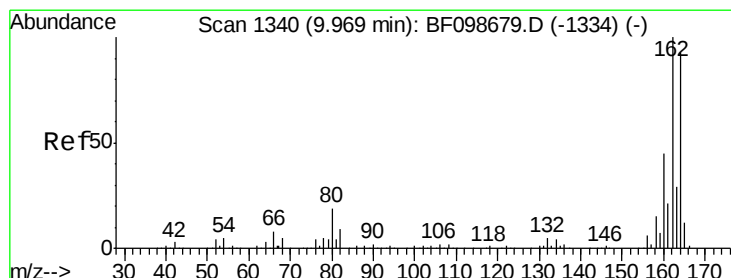
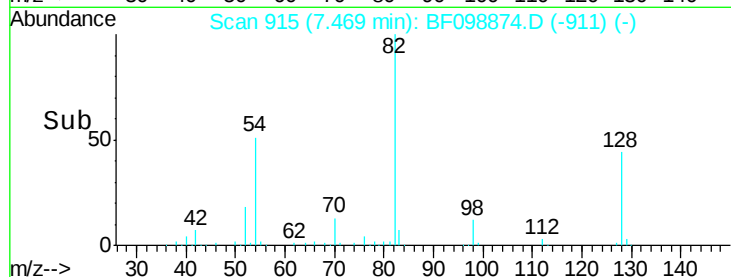
138 0.0 14.9 22.3#



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): BF0



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

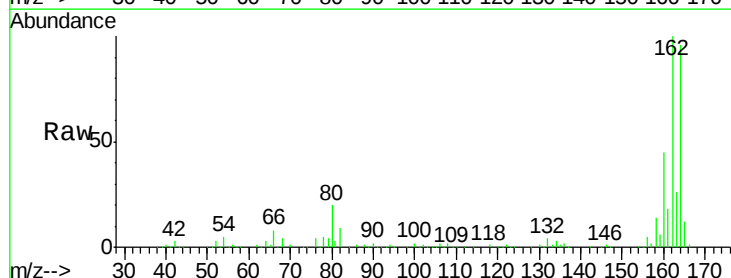
Tgt Ion:164 Resp: 216813

Ion Ratio Lower Upper

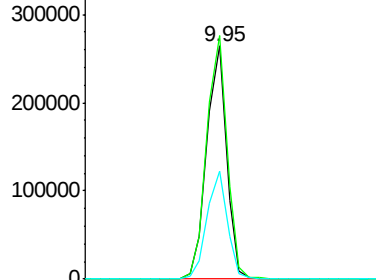
164 100

162 104.4 86.1 129.1

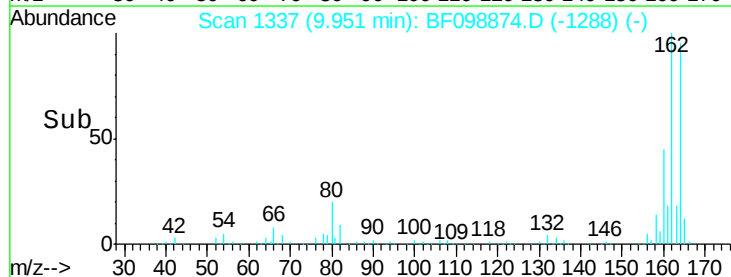
160 46.5 38.3 57.5

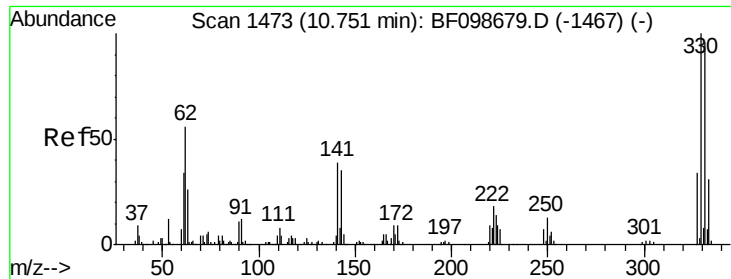


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

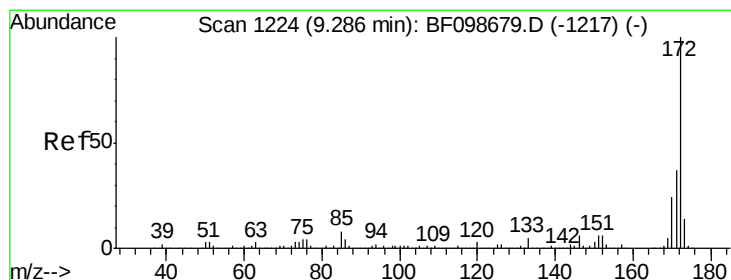
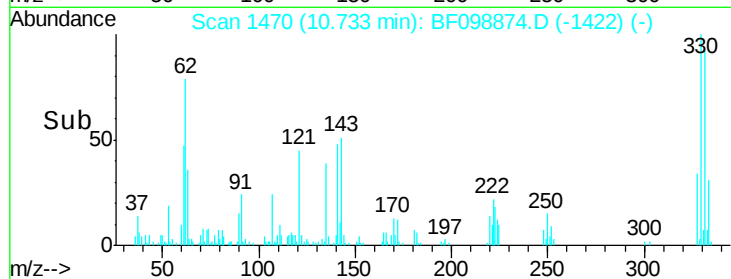
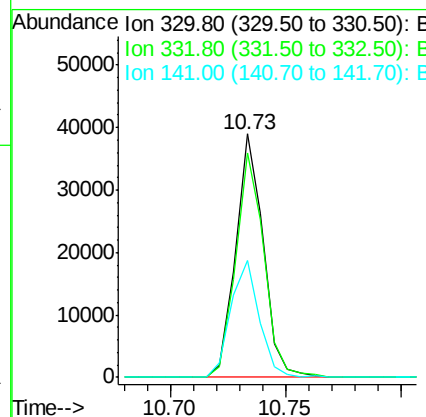
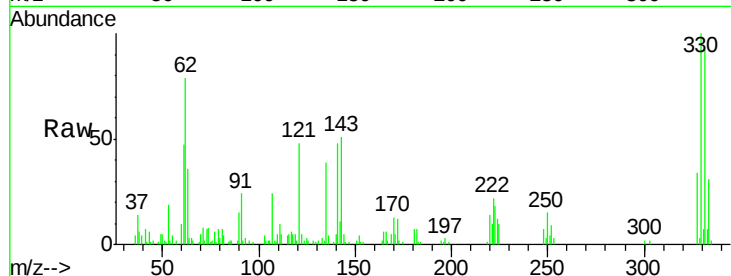




#41
 2,4,6-Tribromophenol
 Concen: 18.28 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

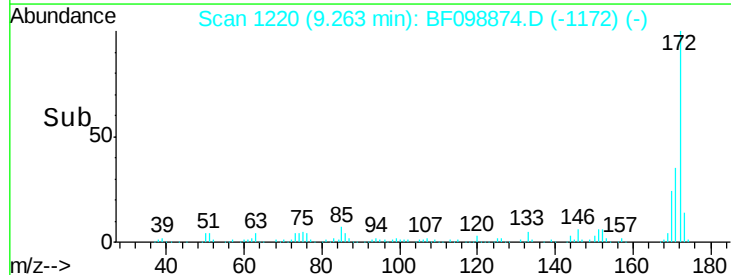
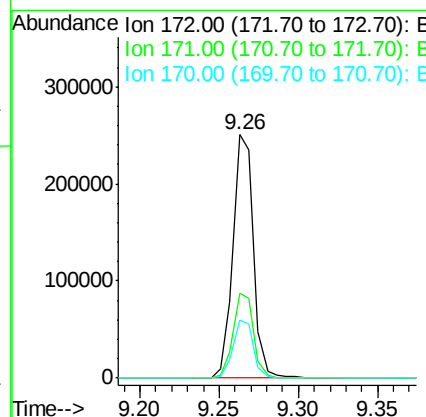
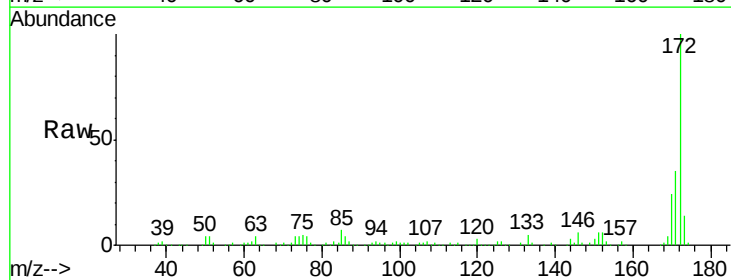
Instrument :
 BNA_F
 ClientSampleId :

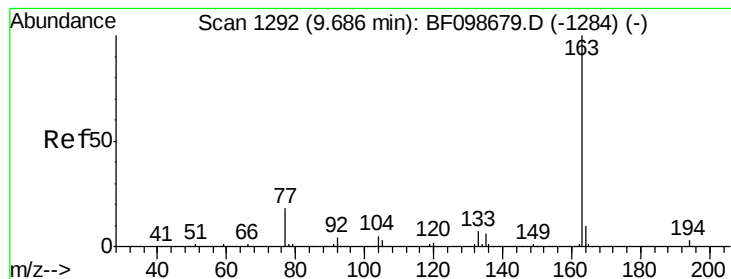
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	49.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 17.37 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	24.1	19.6	29.4





#49

Dimethylphthalate

Concen: 2.07 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

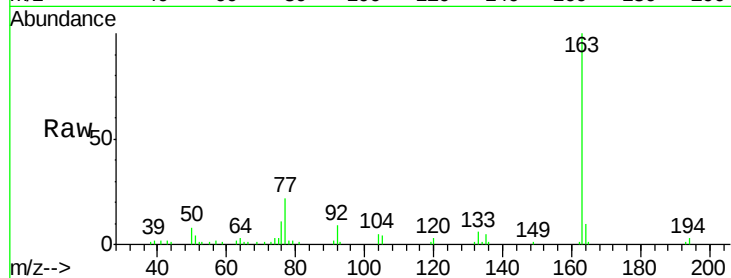
Tot Ion:163 Resp: 33925

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

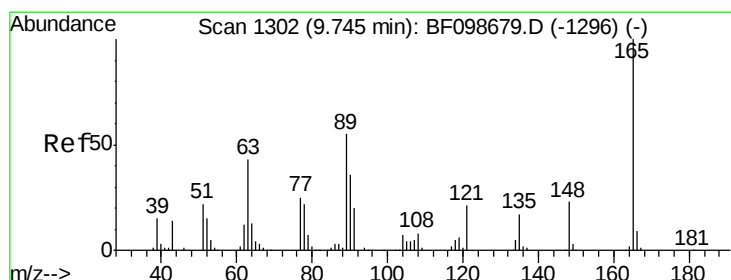
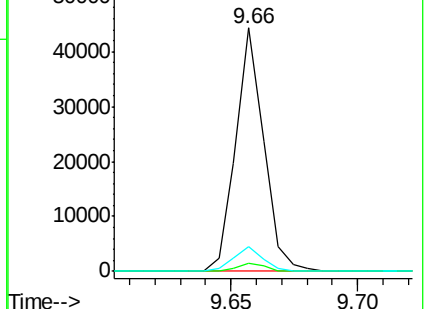
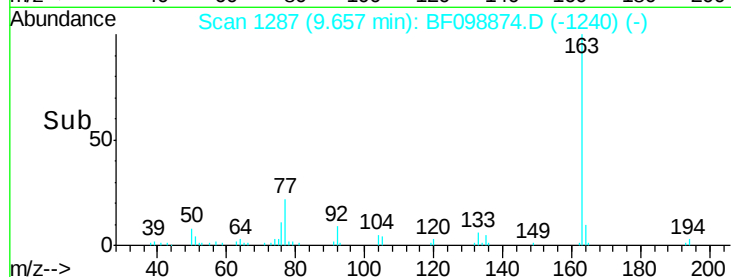
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.68 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.21 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

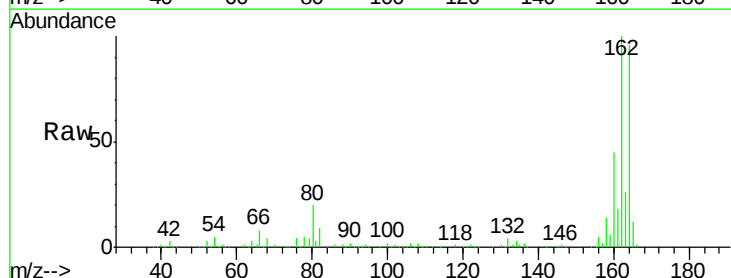
Tgt Ion:165 Resp: 27357

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

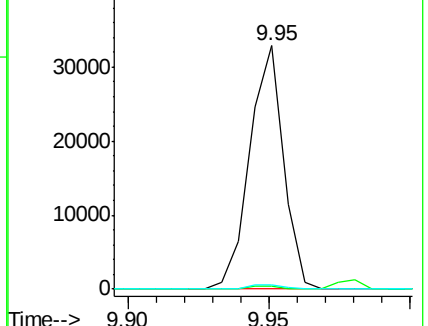
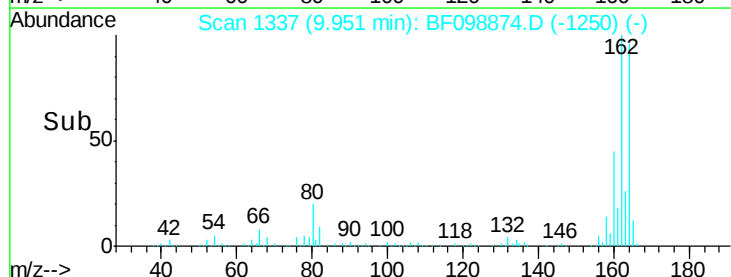
89 1.5 44.0 66.0#

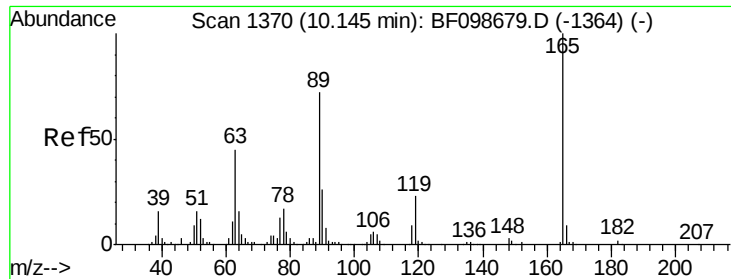


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

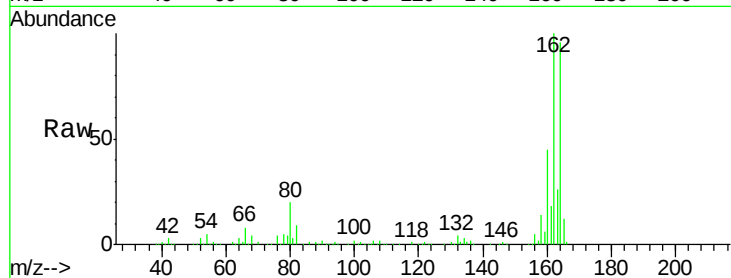




#56
 2,4-Dinitrotoluene
 Concen: 5.92 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :

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

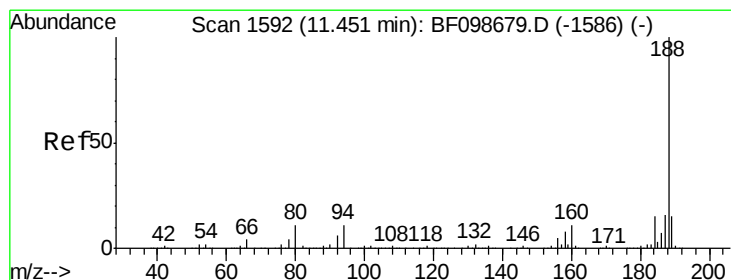
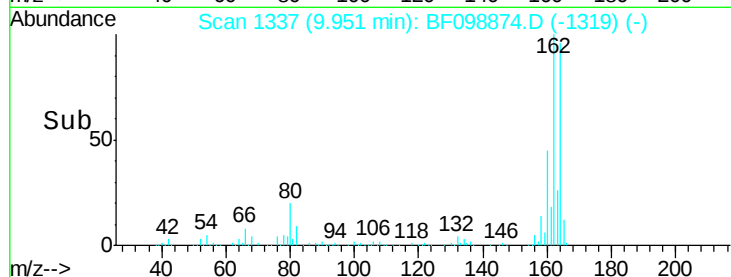
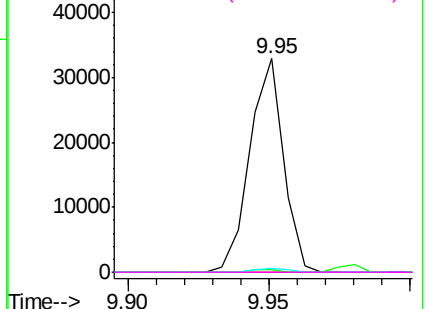


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

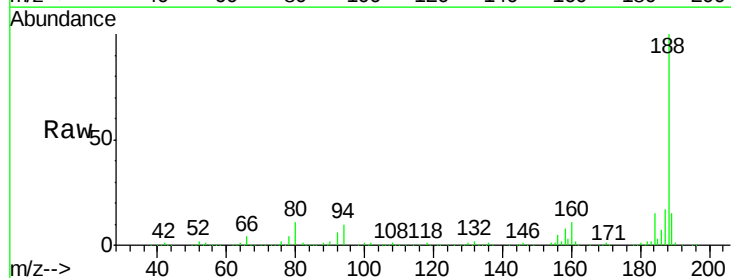
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

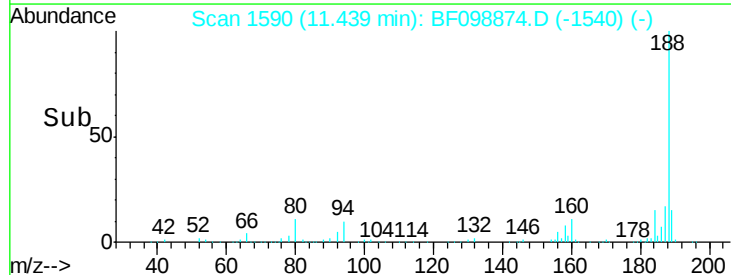
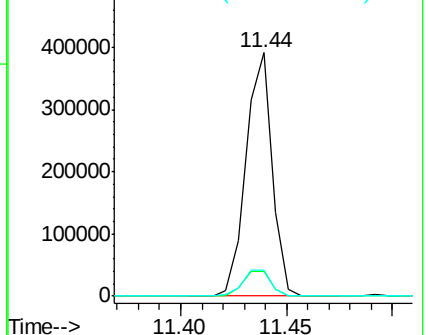
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.7	9.2	13.8

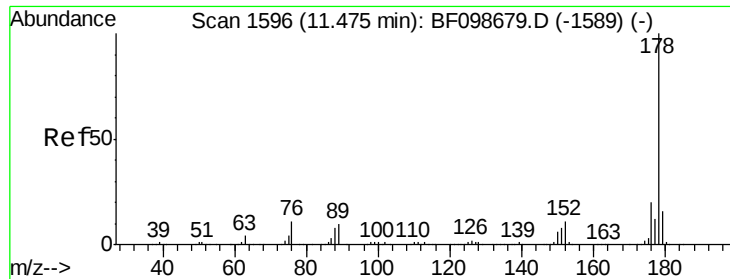


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

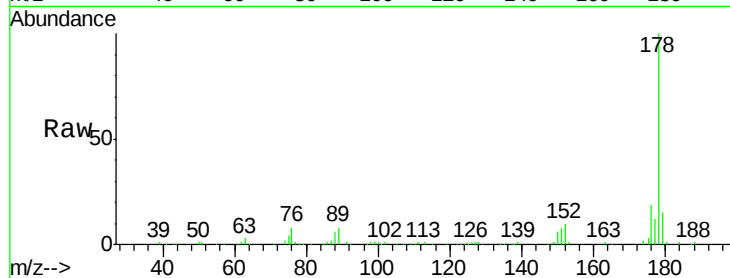




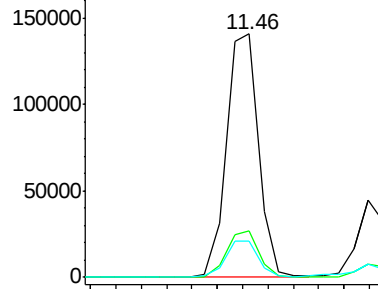
#70
Phenanthrene
Concen: 6.94 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

Instrument :
BNA_F
ClientSampleId :

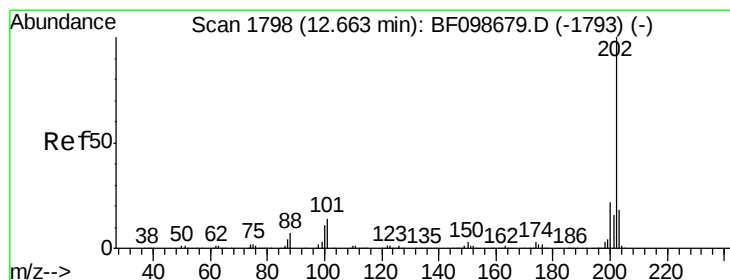
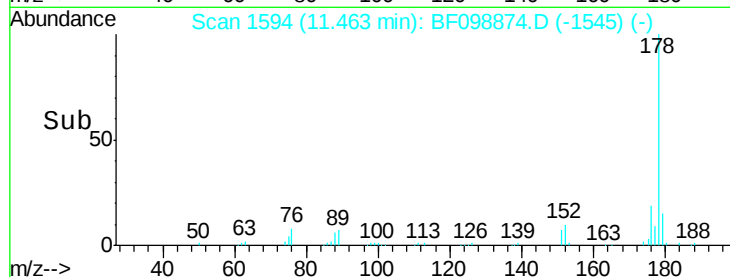
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.7	13.0	19.6



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

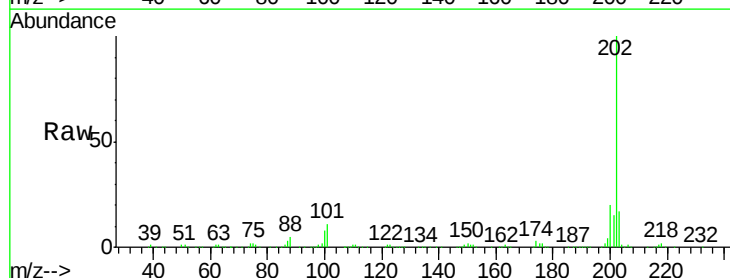


Time--> 11.40 11.45 11.50

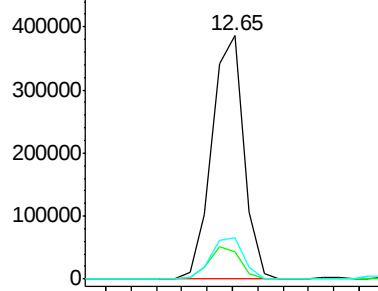


#74
Fluoranthene
Concen: 18.54 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

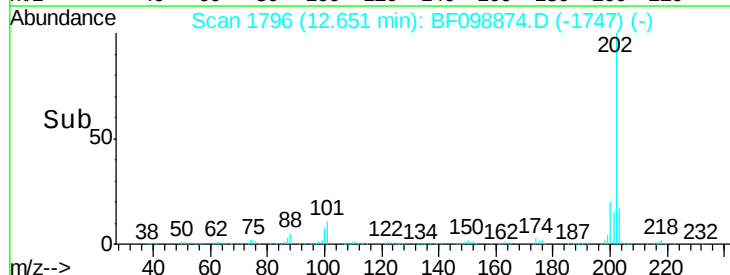
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.1	0.0	38.1

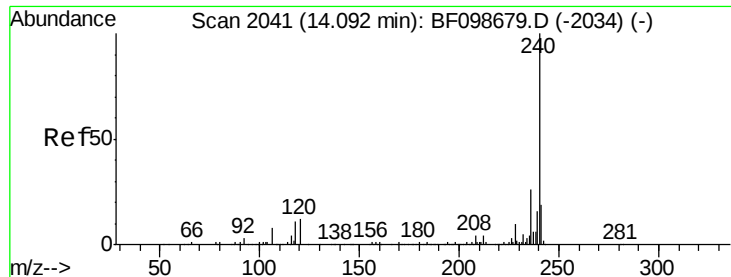


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.60 12.65





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

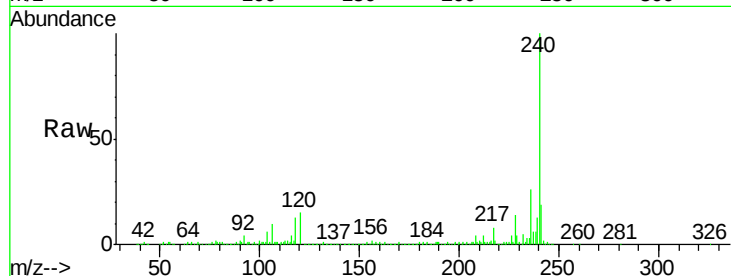
Tot Ion:240 Resp: 249615

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

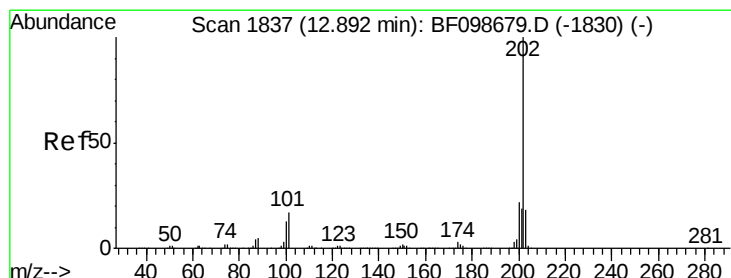
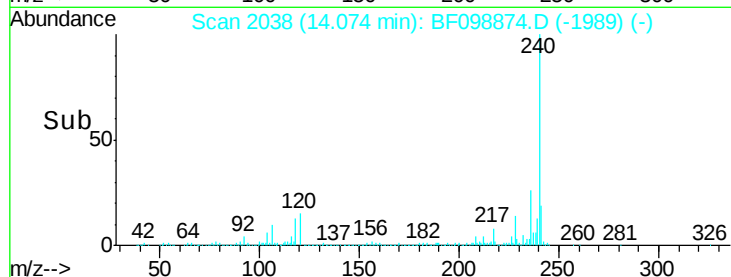
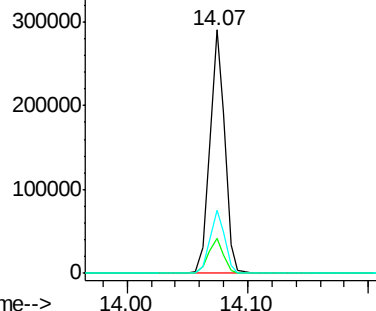
236 25.8 20.7 31.1



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

Pyrene

Concen: 16.23 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

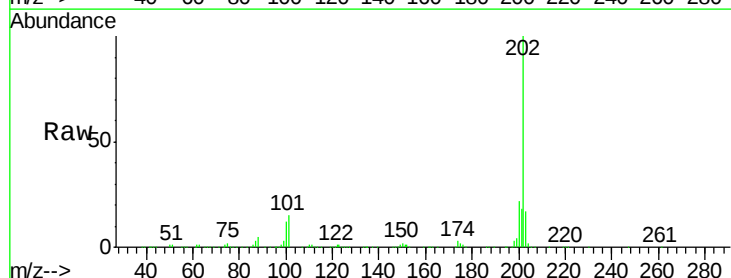
Tgt Ion:202 Resp: 308840

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

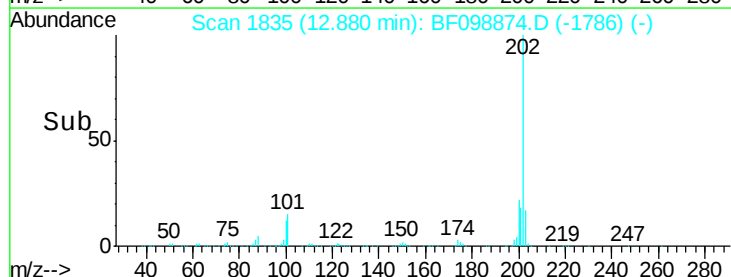
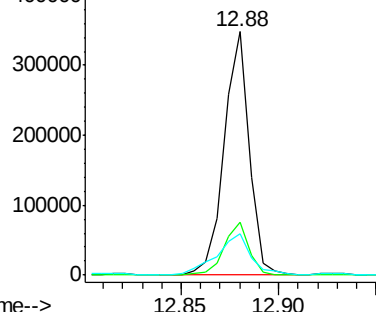
203 16.9 14.3 21.5

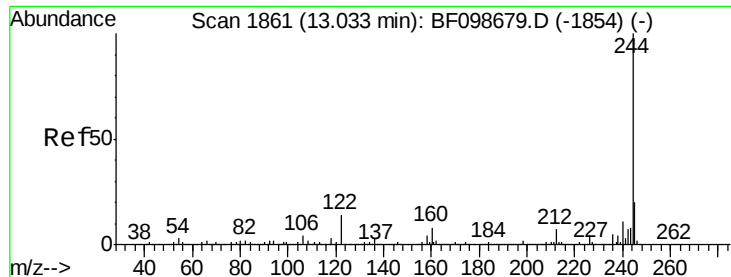


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.83 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

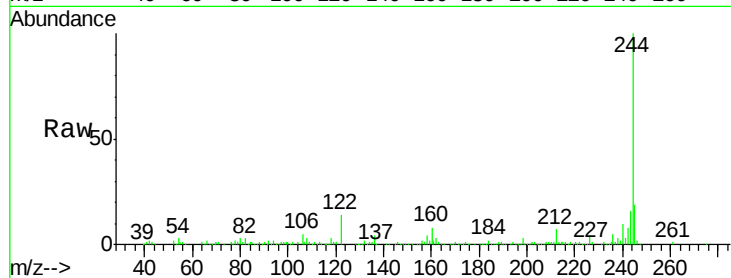
Tot Ion:244 Resp: 140833

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

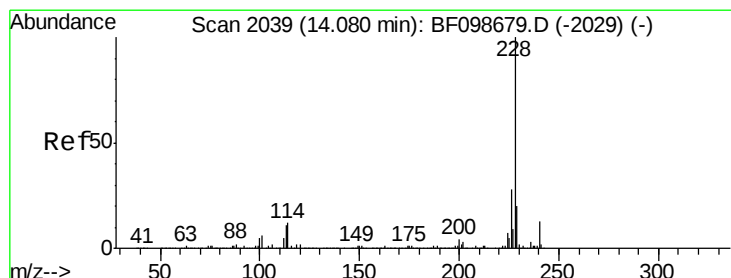
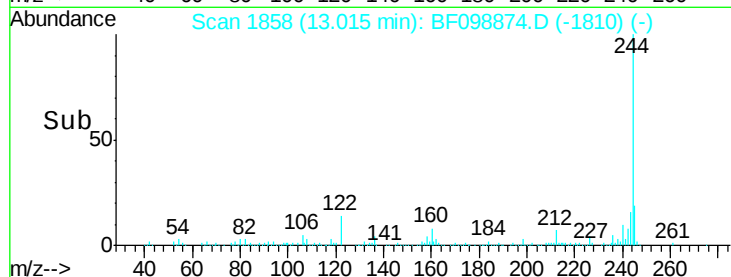
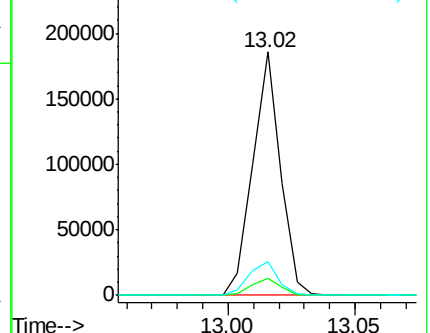
122 13.6 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 11.34 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

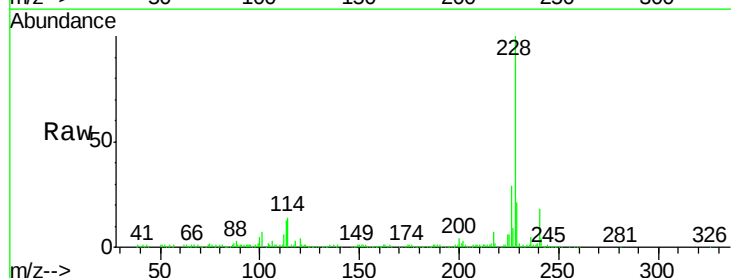
Tgt Ion:228 Resp: 171362

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

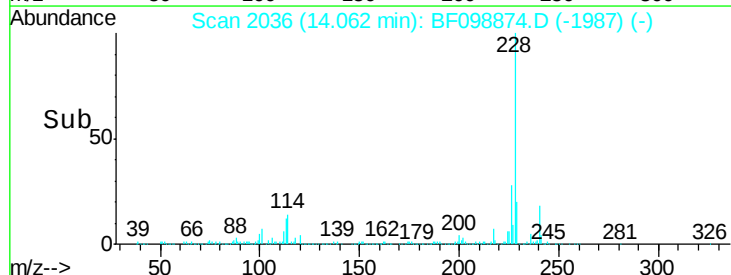
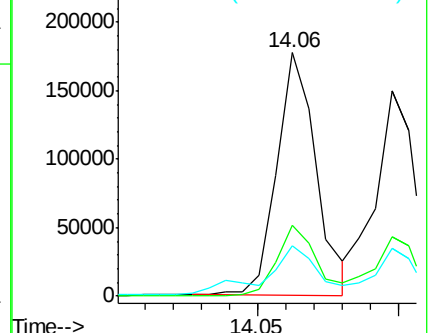
229 20.7 15.8 23.6

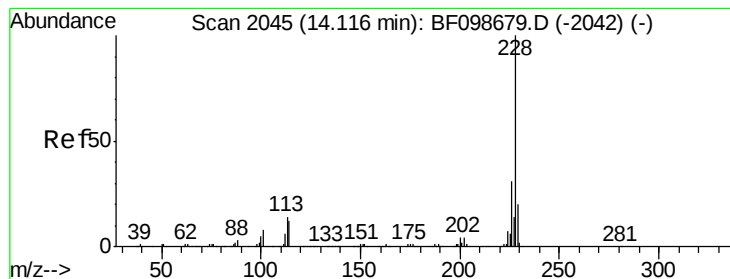


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.98 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

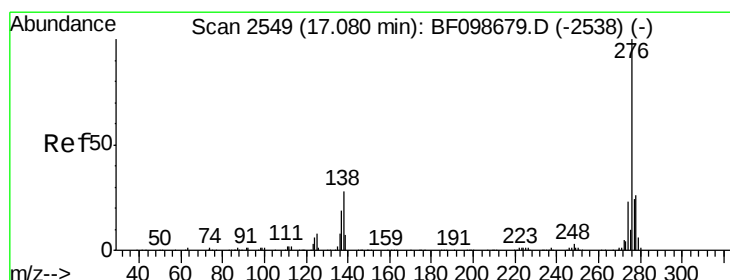
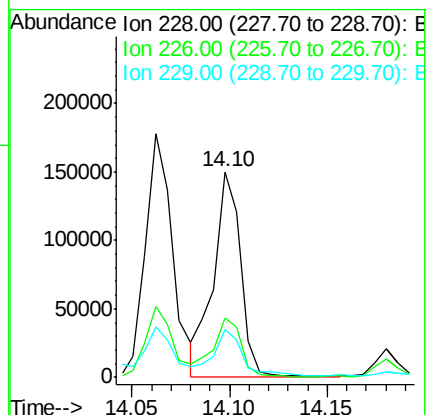
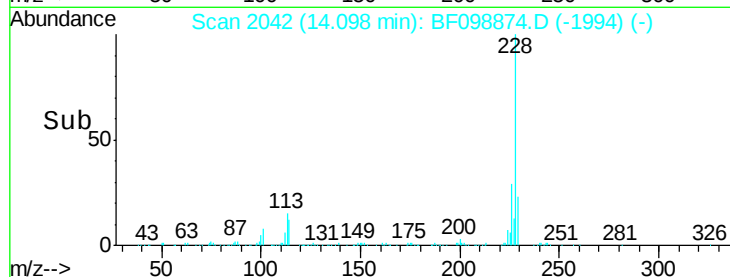
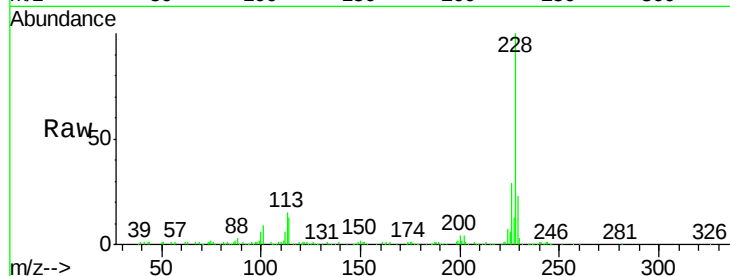
Tot Ion:228 Resp: 143621

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.6

229 23.1 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.70 ng

RT: 17.06 min Scan# 2546

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

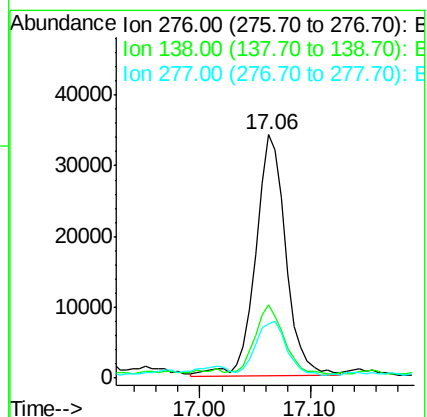
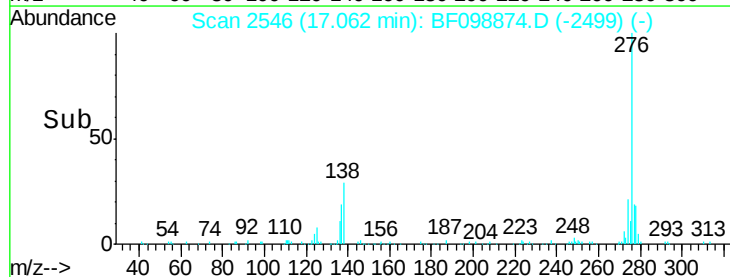
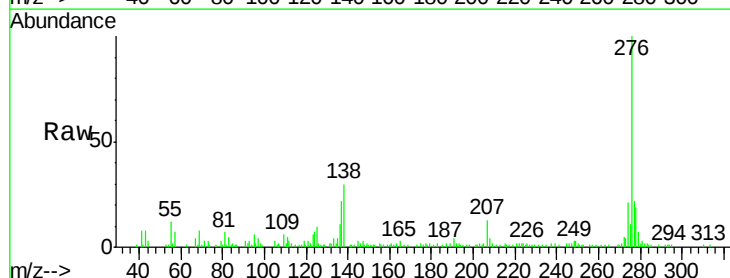
Tgt Ion:276 Resp: 65610

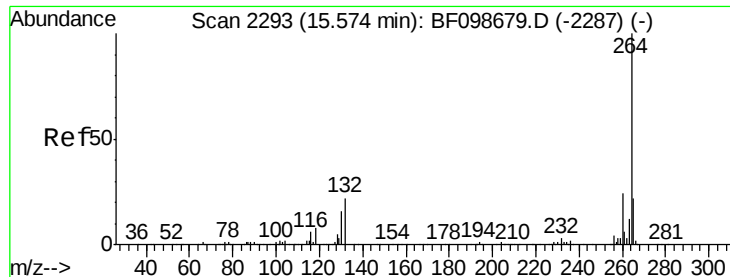
Ion Ratio Lower Upper

276 100

138 28.1 25.0 37.6

277 22.6 20.1 30.1

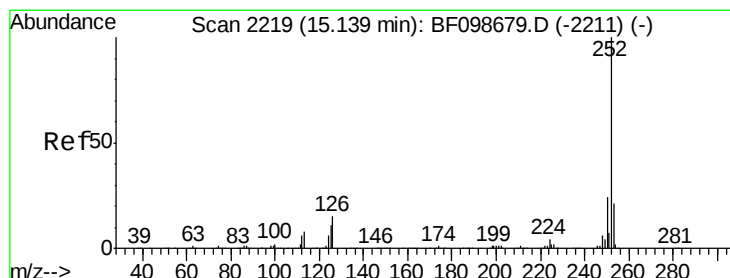
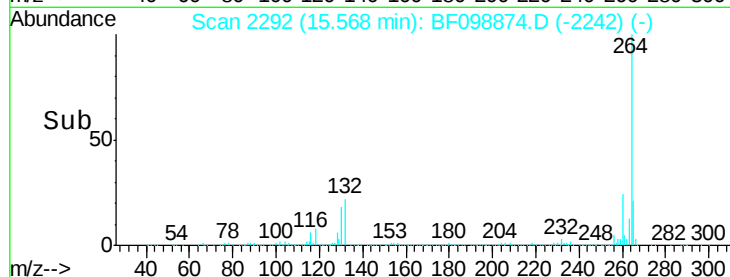
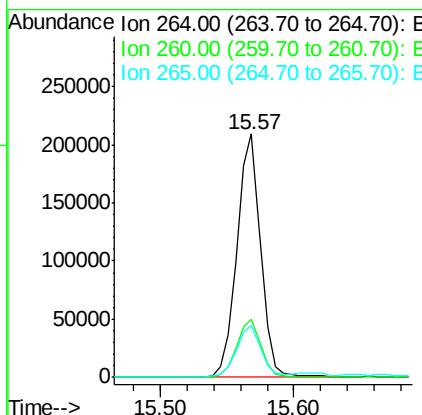
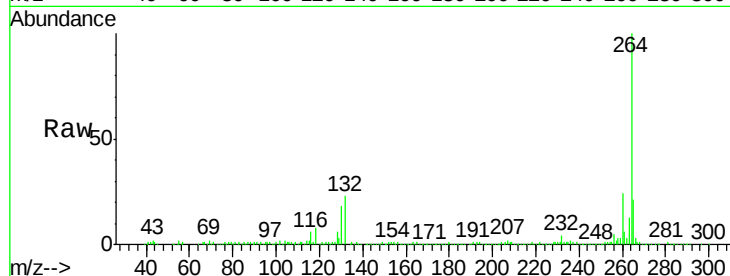




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

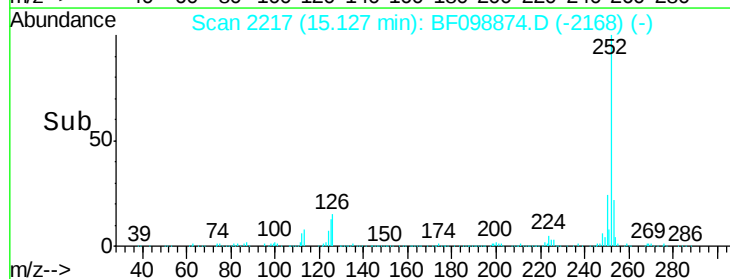
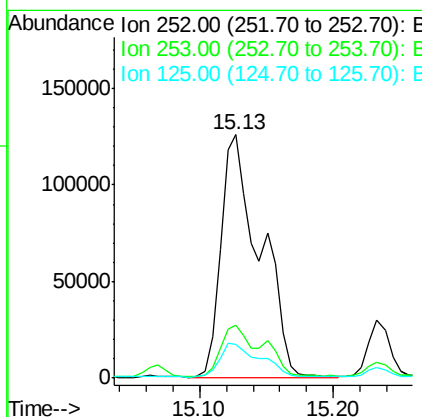
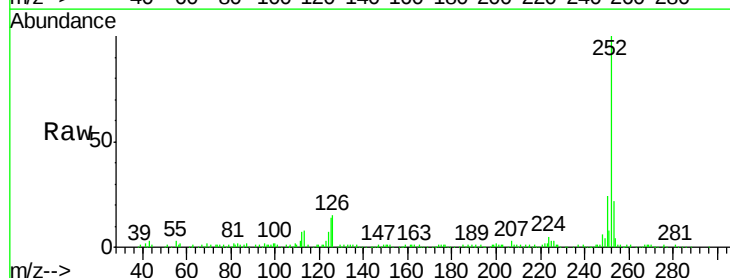
Instrument :
BNA_F
ClientSampled :

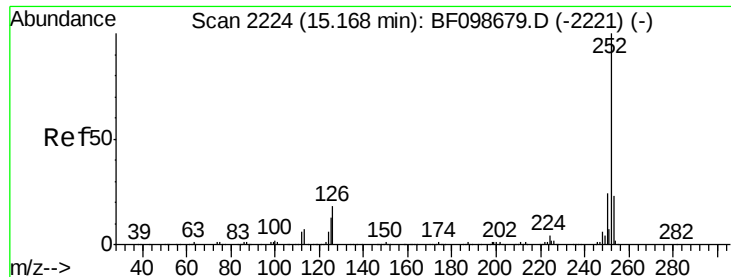
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 16.26 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	14.0	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 16.46 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.04 min

Lab File: BF098874.D

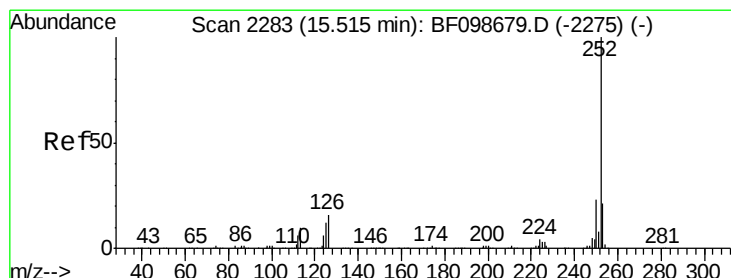
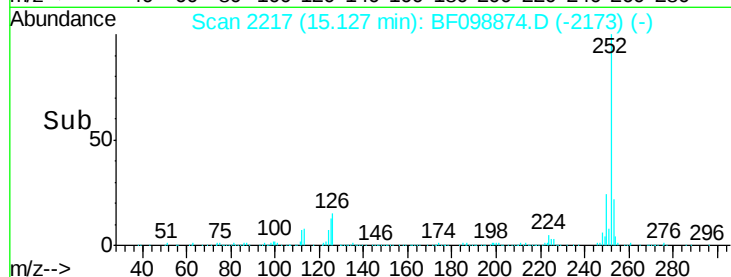
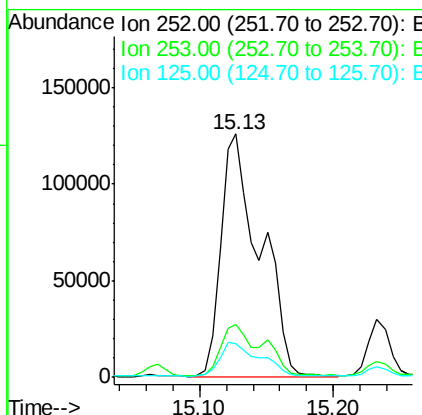
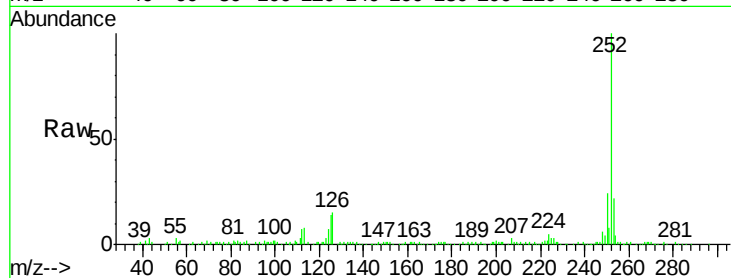
Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	256647
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.9 26.9
125	14.0	10.2 15.2



#89

Benzo(a)pyrene

Concen: 9.56 ng

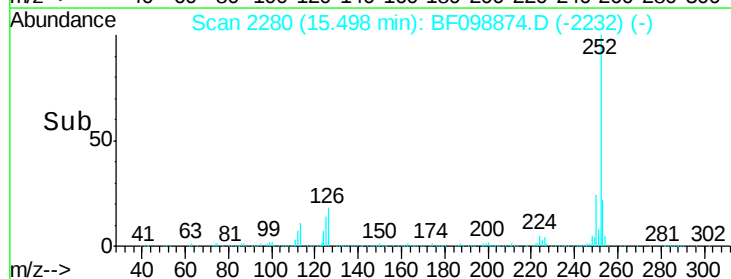
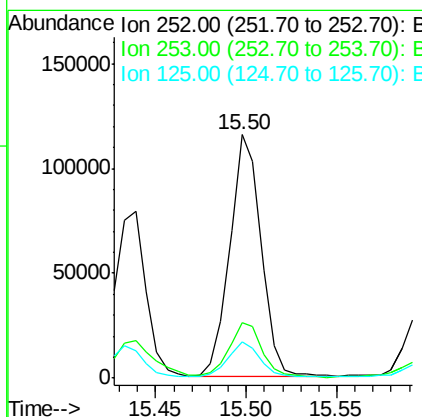
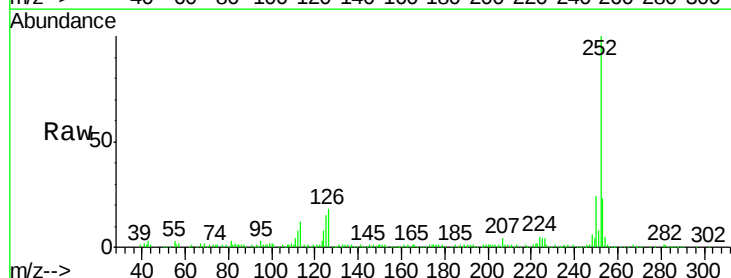
RT: 15.50 min Scan# 2280

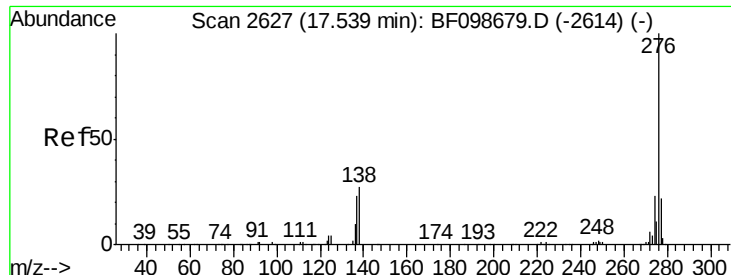
Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Tgt Ion:252	Resp:	138448
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.1 25.7
125	14.9	9.8 14.6#

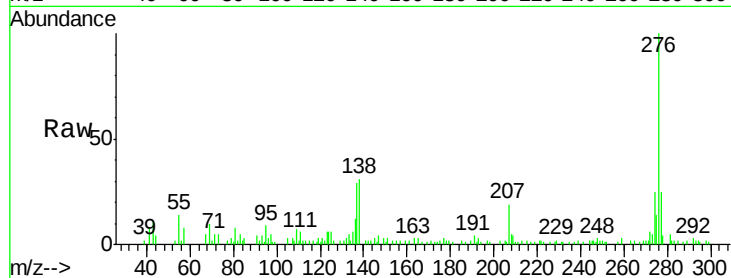




#91
 Benzo(a,h,i)perylene
 Concen: 5.04 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. -0.02 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	30.6	21.8	32.8



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

