

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098660.D
 Acq On : 20 Sep 2017 15:17
 Operator : SJ/JU
 Sample : I5285-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 05:19:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	96676	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	399486	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	176720	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	301032	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	199005	20.00	ng	-0.01
86) Perylene-d12	15.17	264	200867	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	717640	109.75	ng	0.00
7) Phenol-d6	6.28	99	904372	108.94	ng	-0.01
23) Nitrobenzene-d5	7.19	82	570901	79.67	ng	-0.02
41) 2,4,6-Tribromophenol	10.45	330	165258	140.11	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	814745	78.14	ng	-0.02
78) Terphenyl-d14	12.72	244	583965	63.34	ng	-0.01

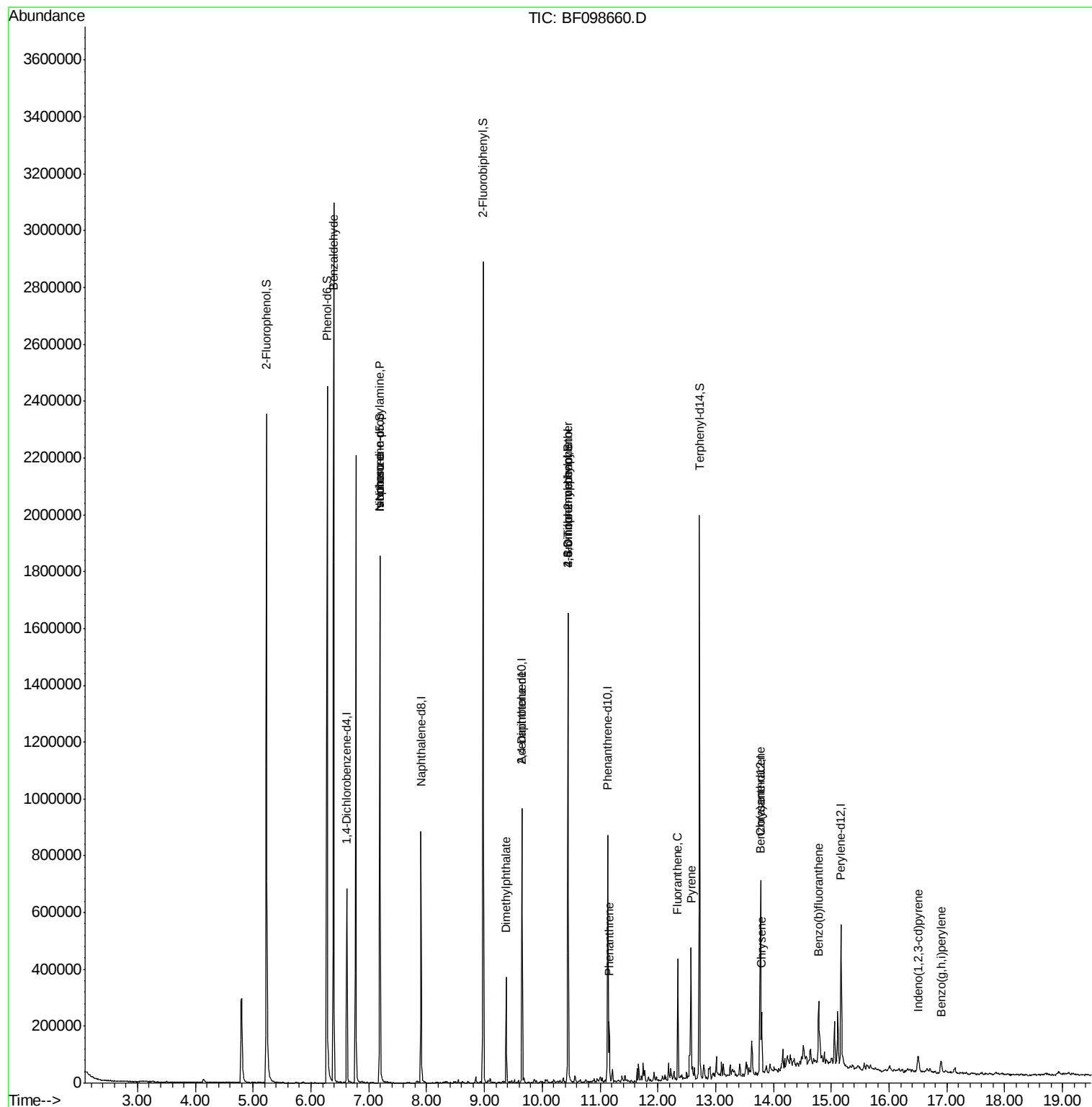
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	17130	3.16	ng	87
19) n-Nitroso-di-n-propylamine	7.19	70	78743	15.08	ng	# 80
25) Isophorone	7.19	82	570898	39.38	ng	# 67
49) Dimethylphthalate	9.38	163	153004	11.18	ng	97
56) 2,4-Dinitrotoluene	9.65	165	22258	6.52	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.45	198	423	5.17	ng	# 1
66) 4-Bromophenyl-phenylether	10.45	248	12752	4.46	ng	# 1
70) Phenanthrene	11.16	178	76743	4.81	ng	98
74) Fluoranthene	12.35	202	155119	9.71	ng	96
77) Pyrene	12.57	202	176629	11.25	ng	98
80) Benzo(a)anthracene	13.76	228	81330	6.97	ng	100
82) Chrysene	13.80	228	71124	6.03	ng	97
85) Indeno(1,2,3-cd)pyrene	16.50	276	32509	3.93	ng	# 91
87) Benzo(b)fluoranthene	14.78	252	133472	10.57	ng	99
91) Benzo(a,h,i)perylene	16.90	276	31505	3.83	ng	# 86

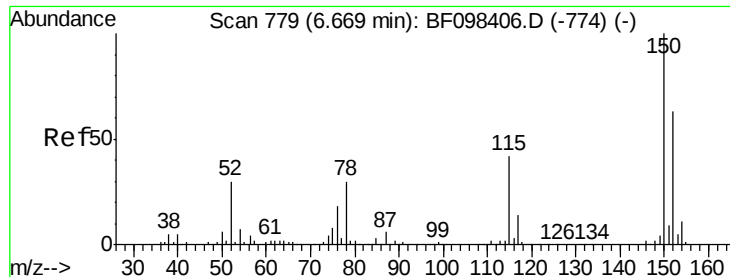
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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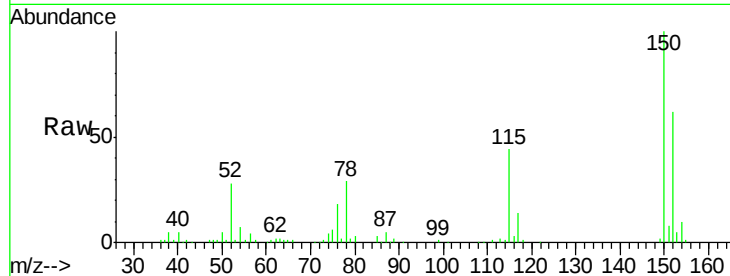


#1

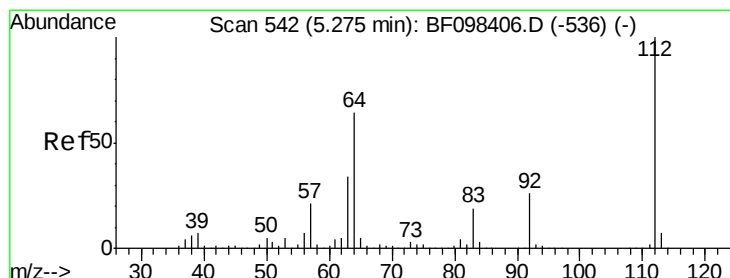
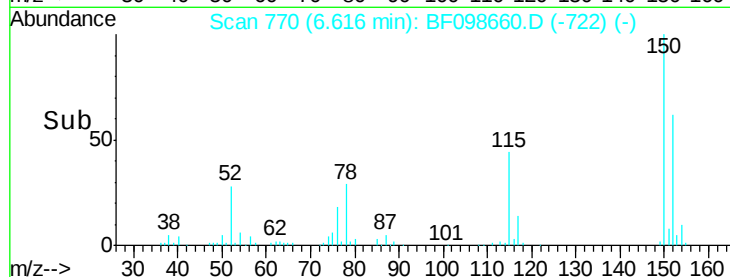
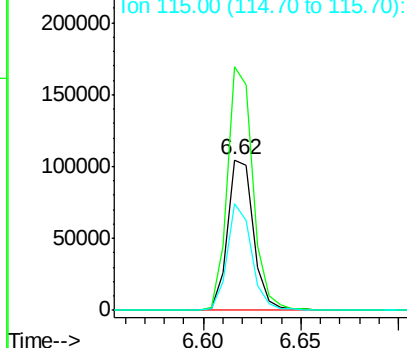
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 96676
Ion Ratio Lower Upper
152 100
150 161.5 126.2 189.2
115 70.4 52.2 78.2



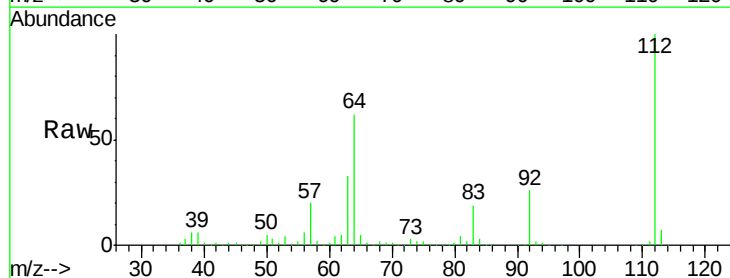
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



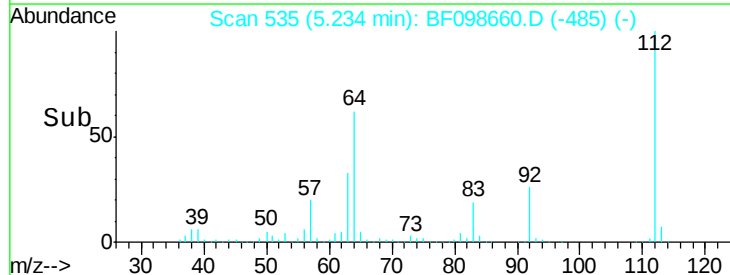
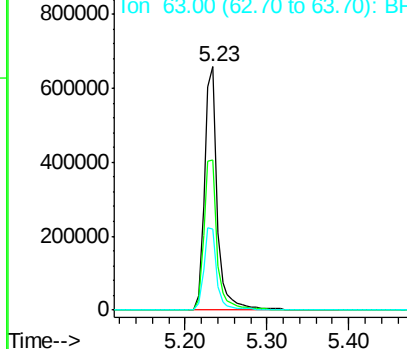
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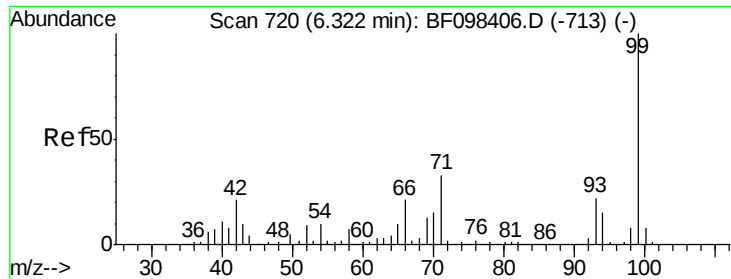
2-Fluorophenol
Concen: 109.75 ng
RT: 5.23 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Tgt Ion:112 Resp: 717640
Ion Ratio Lower Upper
112 100
64 61.6 46.0 69.0
63 33.3 23.4 35.0



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: 108.94 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Instrument :

BNA_F

ClientSampled :

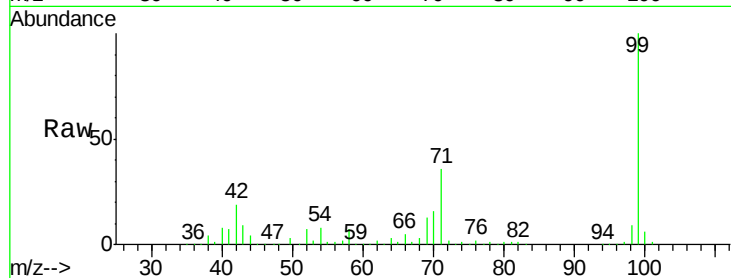
Tot Ion: 99 Resp: 904372

Ion Ratio Lower Upper

99 100

42 18.5 13.5 20.3

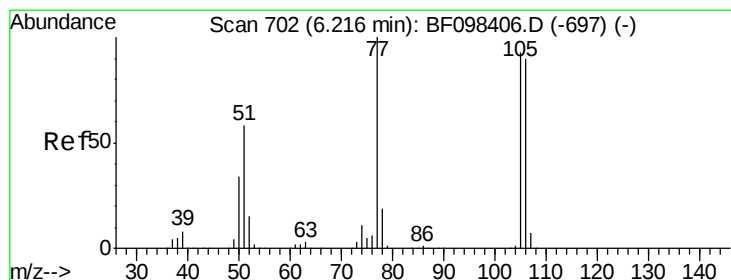
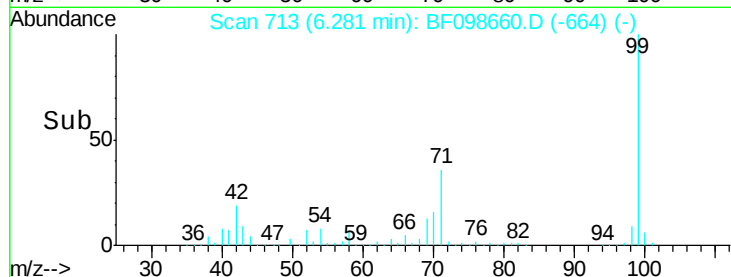
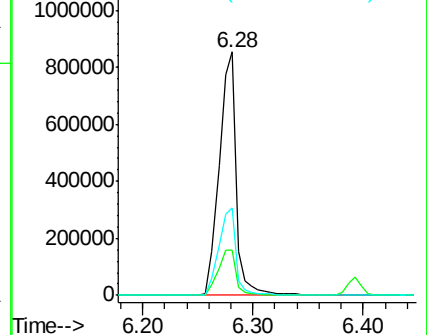
71 35.9 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.16 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.21 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

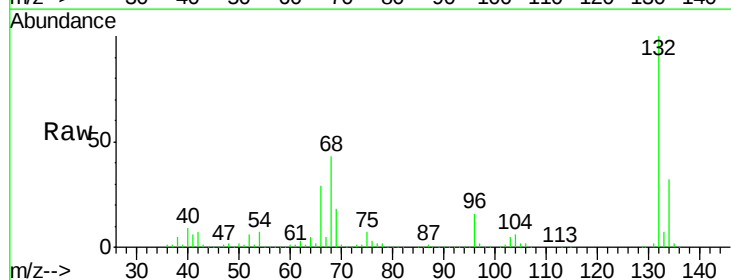
Tgt Ion: 77 Resp: 17130

Ion Ratio Lower Upper

77 100

105 84.9 83.8 123.8

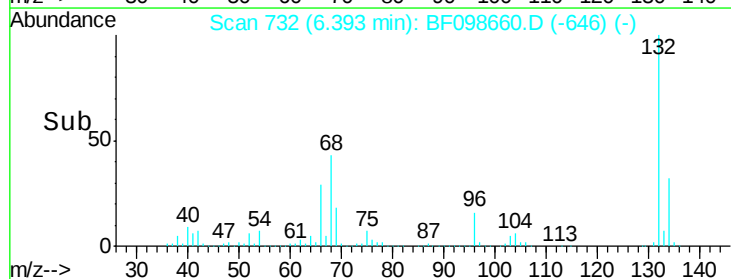
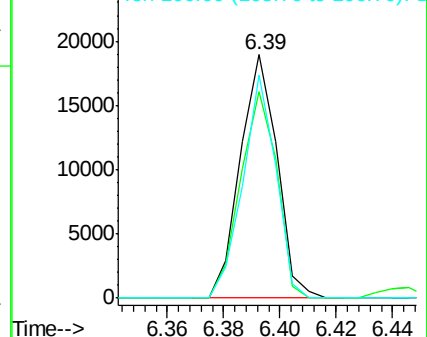
106 91.7 79.1 119.1

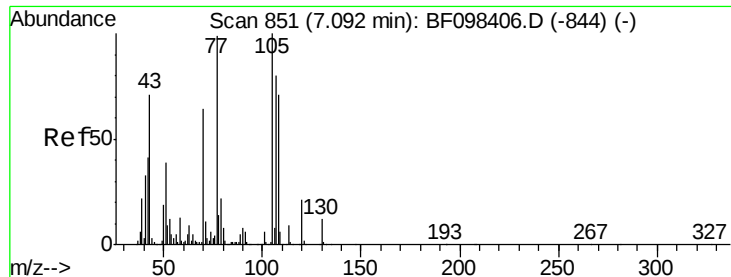


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

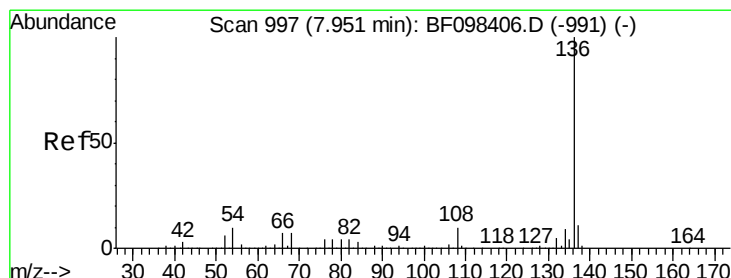
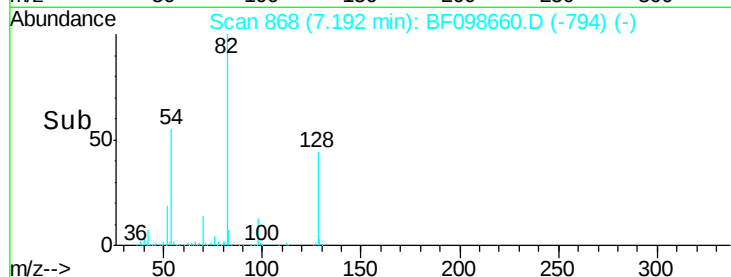
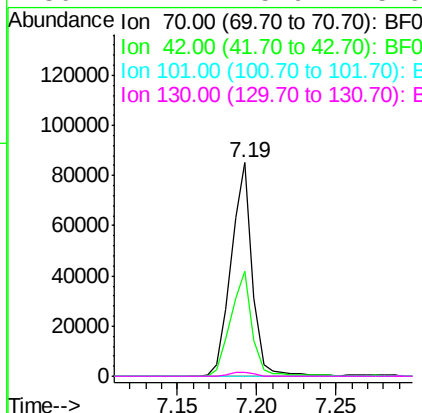
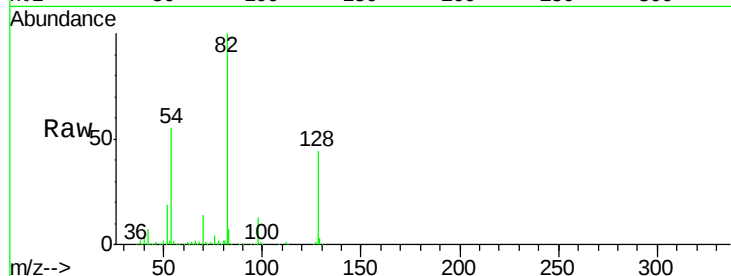




#19
n-Nitroso-di-n-propylamine
Concen: 15.08 ng
RT: 7.19 min Scan# 868
Delta R.T. 0.14 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

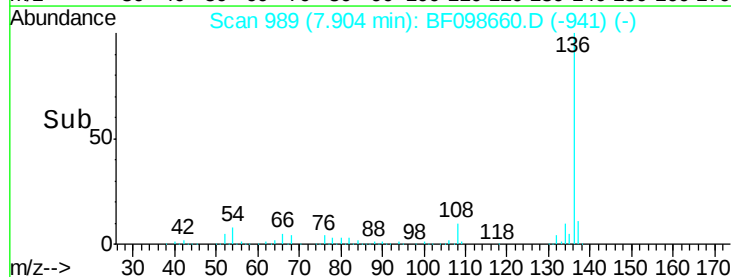
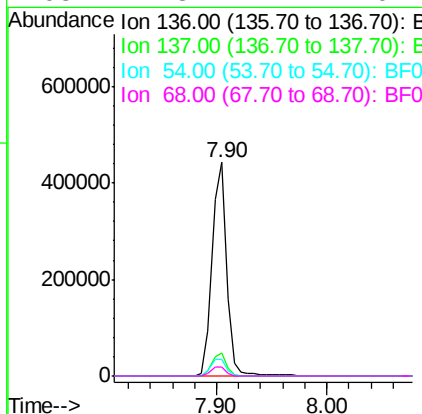
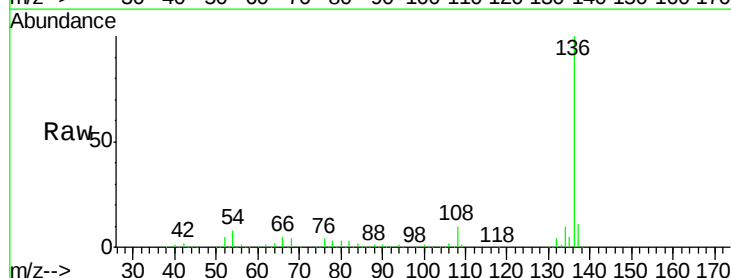
Instrument :
BNA_F
ClientSampleId :

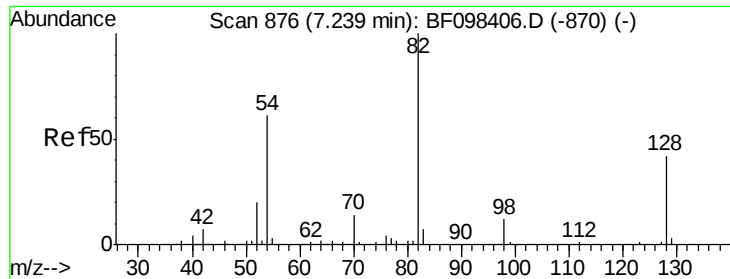
Tot Ion: 70 Resp: 78743
Ion Ratio Lower Upper
70 100
42 49.4 47.2 70.8
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Tgt Ion:136 Resp: 399486
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 8.0 4.9 7.3#
68 4.3 4.1 6.1

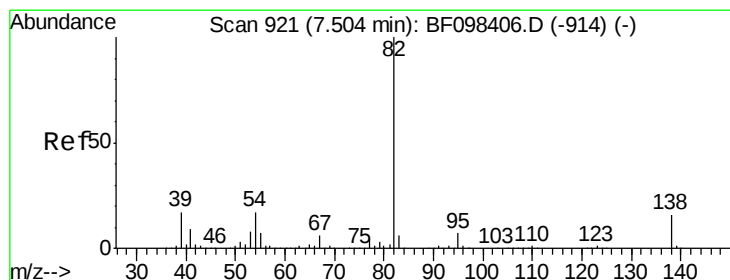
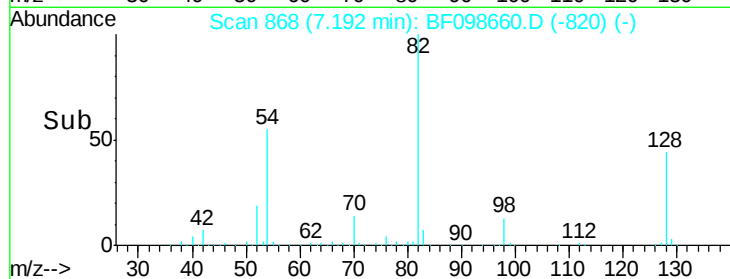
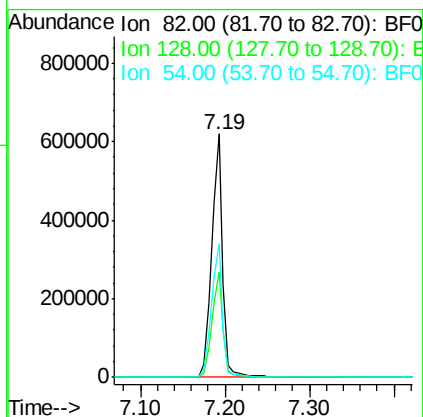
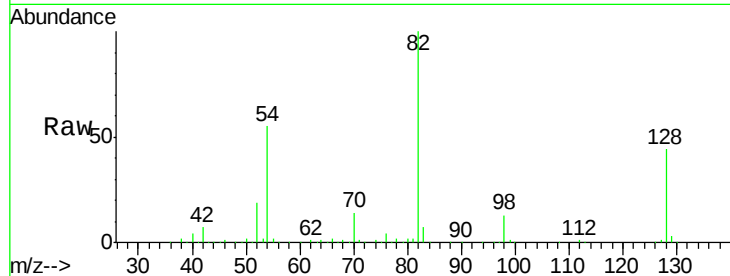




#23
 Nitrobenzene-d5
 Concen: 79.67 ng
 RT: 7.19 min Scan# 868
 Delta R.T. -0.02 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

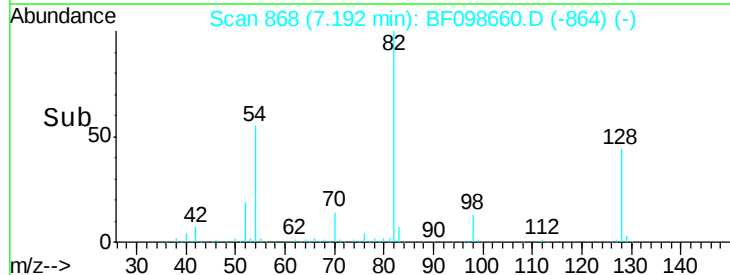
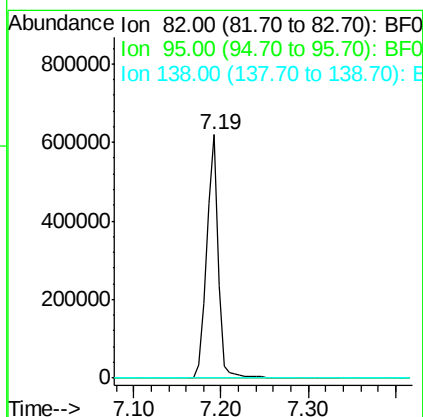
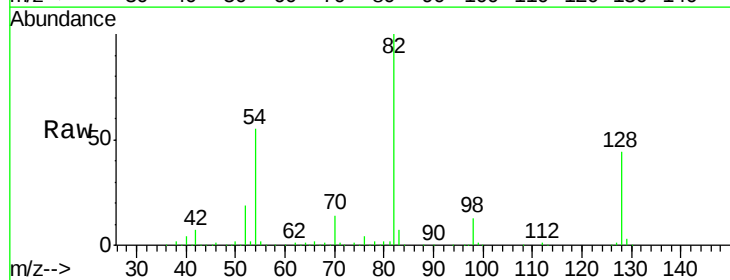
Instrument :
 BNA_F
 ClientSampleId :

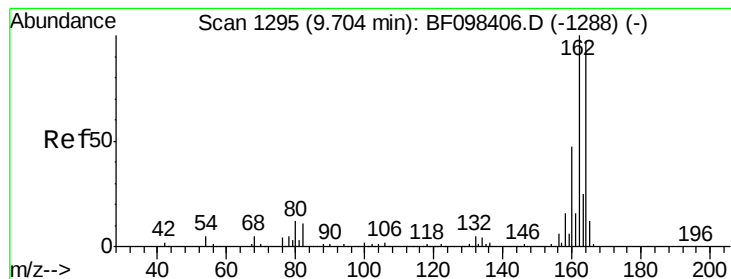
Tot Ion	82	Resp	570901
Ion Ratio	100	Lower	Upper
128	43.5	34.0	51.0
54	55.0	42.2	63.2



#25
 Isophorone
 Concen: 39.38 ng
 RT: 7.19 min Scan# 868
 Delta R.T. -0.28 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

Tgt Ion	82	Resp	570898
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Instrument :

BNA_F

ClientSampleId :

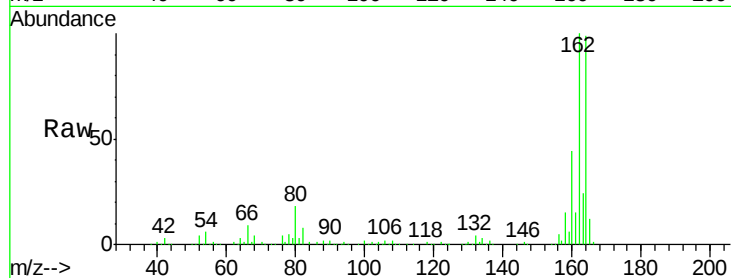
Tot Ion:164 Resp: 176720

Ion Ratio Lower Upper

164 100

162 100.7 82.6 123.8

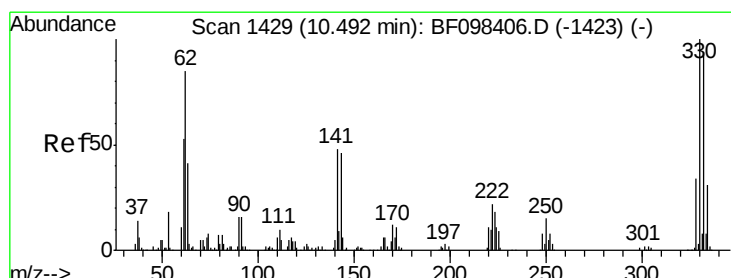
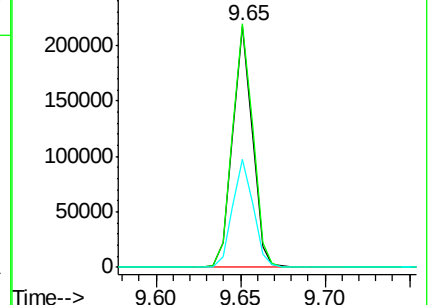
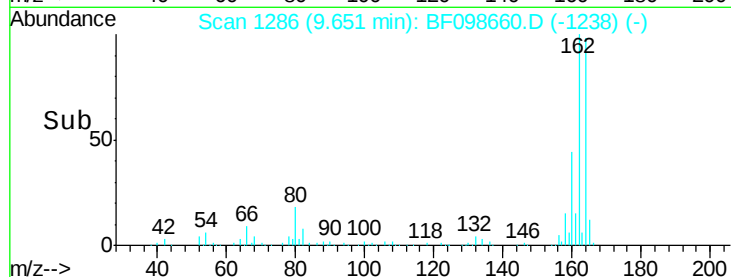
160 44.6 36.2 54.2



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: 140.11 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.02 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

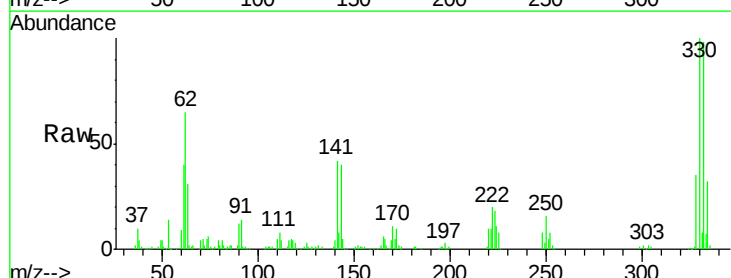
Tgt Ion:330 Resp: 165258

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

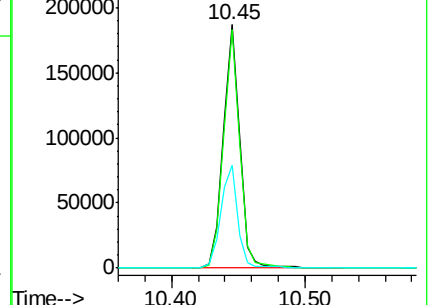
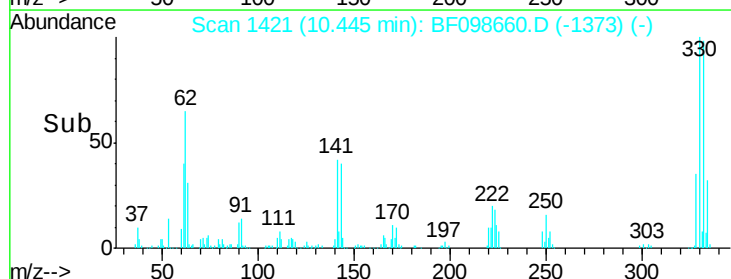
141 43.2 31.4 47.2

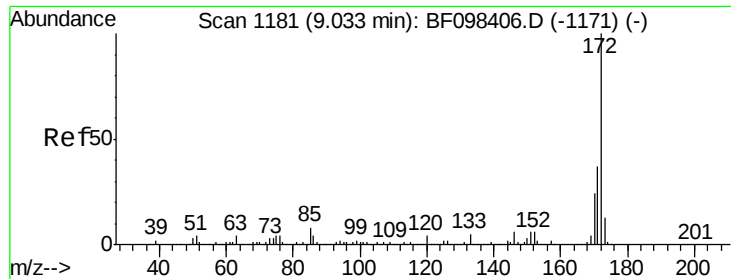


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

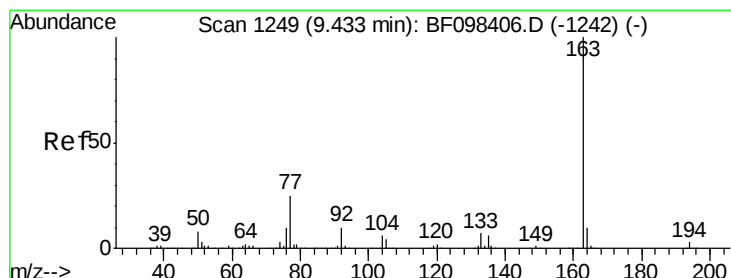
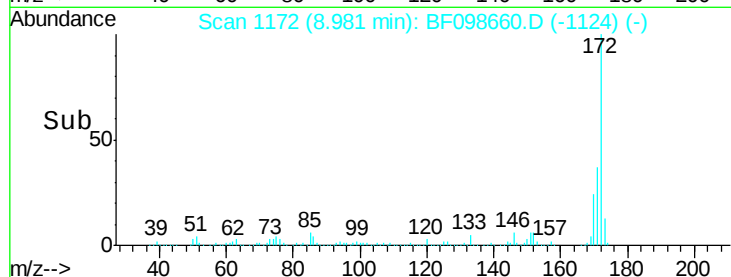
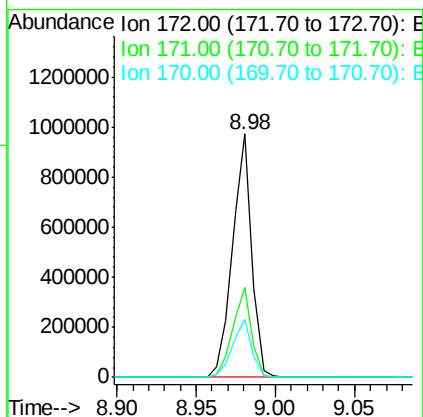
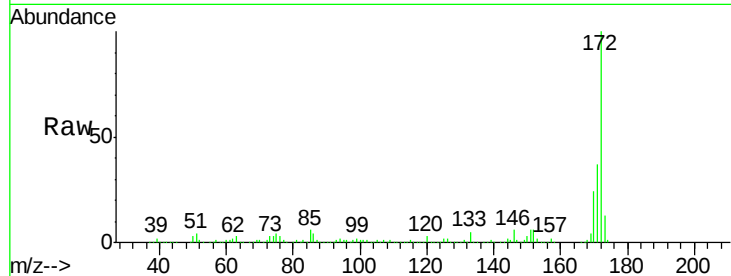




#44
2-Fluorobiphenyl
Concen: 78.14 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

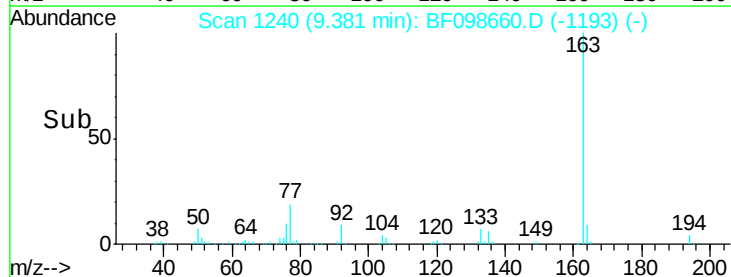
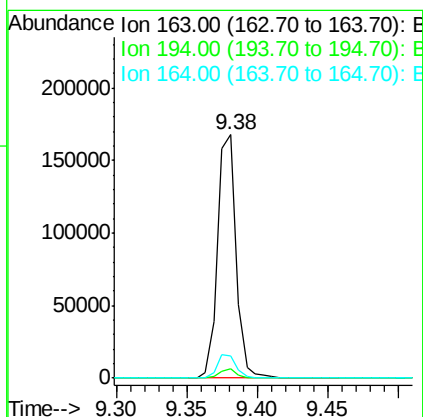
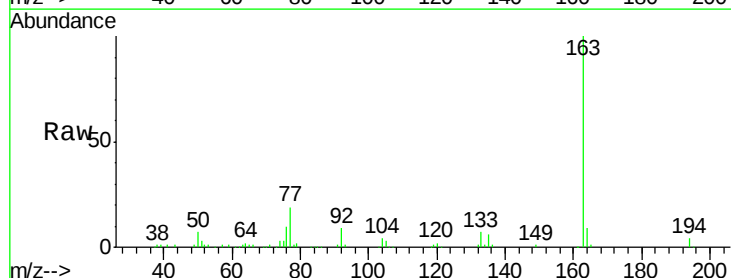
Instrument :
BNA_F
ClientSampleId :

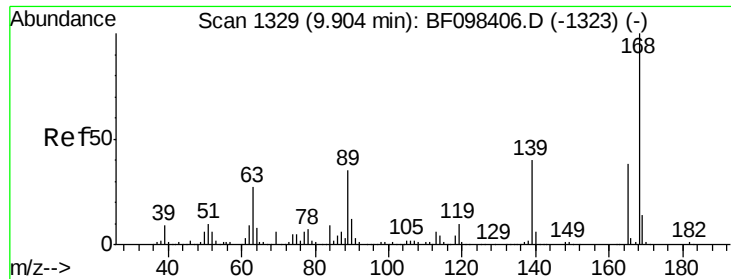
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.6	44.4
170	23.8	19.8	29.8



#49
Dimethylphthalate
Concen: 11.18 ng
RT: 9.38 min Scan# 1240
Delta R.T. -0.02 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	9.2	8.4	12.6

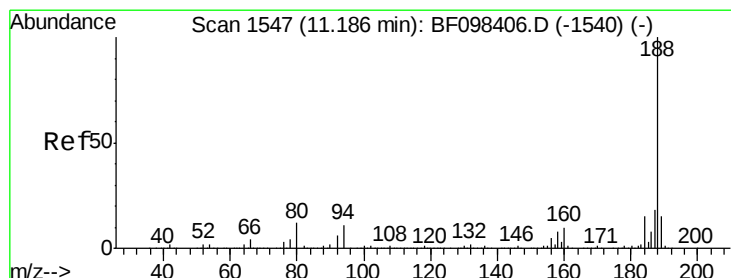
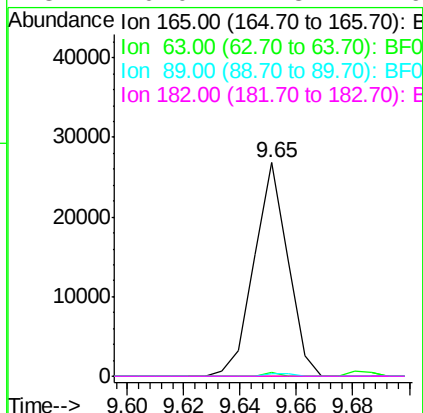
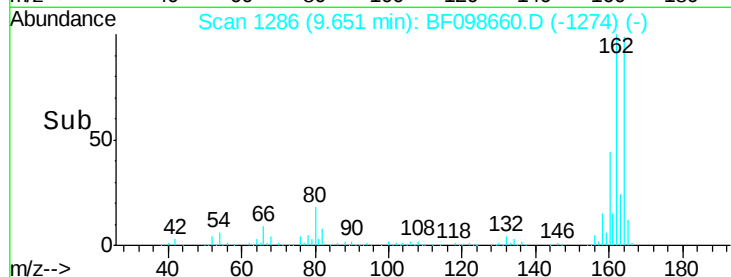
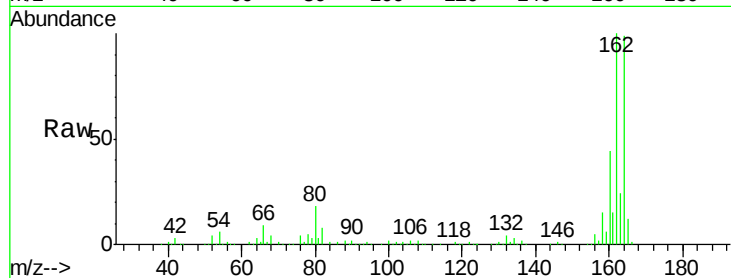




#56
 2,4-Dinitrotoluene
 Concen: 6.52 ng
 RT: 9.65 min Scan# 1286
 Delta R.T. -0.23 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

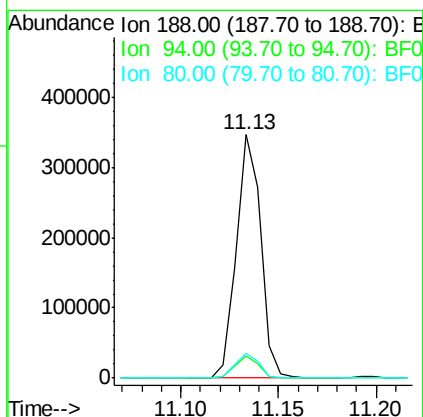
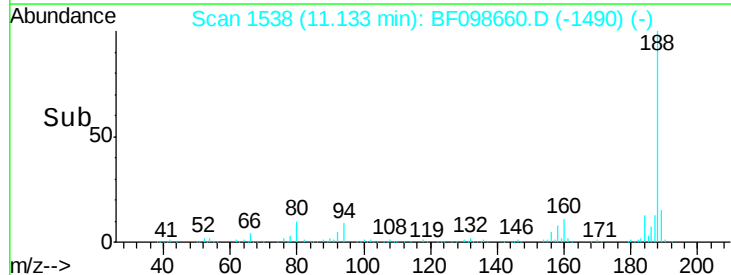
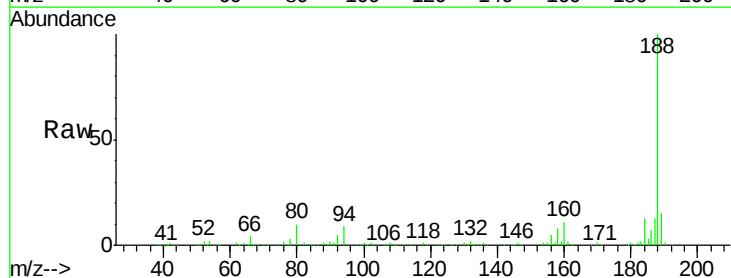
Instrument :
 BNA_F
 ClientSampleId :

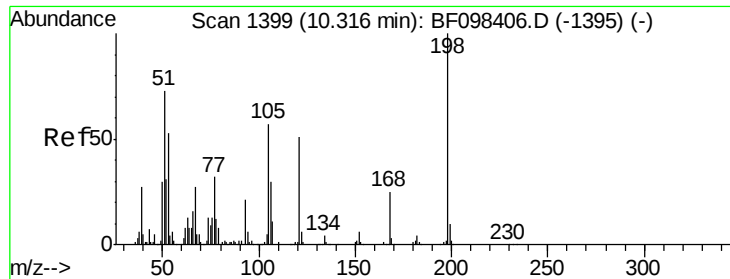
Tot Ion:	165	Resp:	22258
Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 1538
 Delta R.T. -0.02 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

Tgt Ion:	188	Resp:	301032
Ion	Ratio	Lower	Upper
188	100		
94	9.1	9.4	14.2#
80	10.3	10.2	15.2

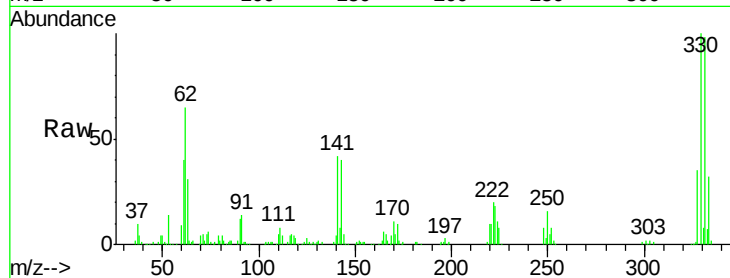




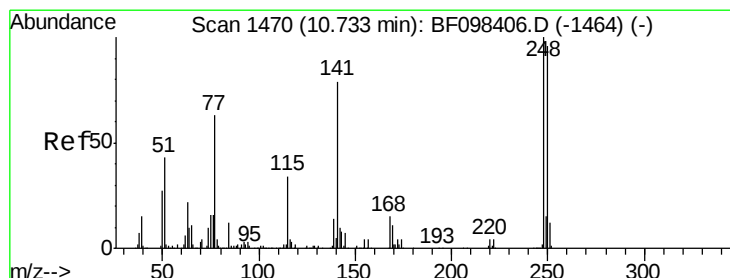
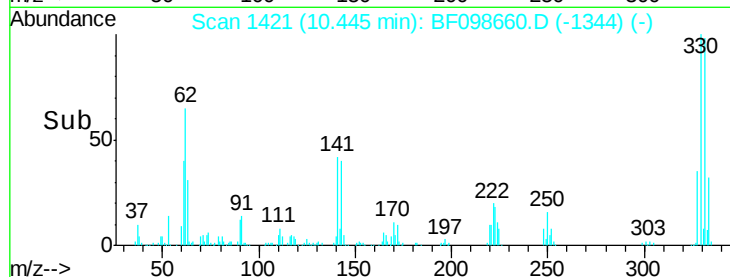
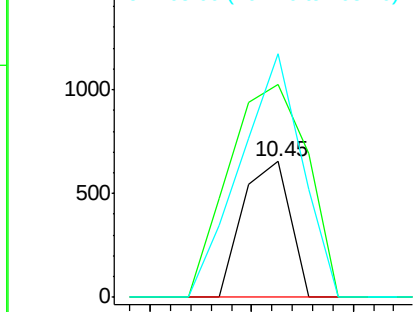
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.17 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.15 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 423
 Ion Ratio Lower Upper
 198 100
 51 157.1 53.2 93.2#
 105 179.5 45.8 85.8#

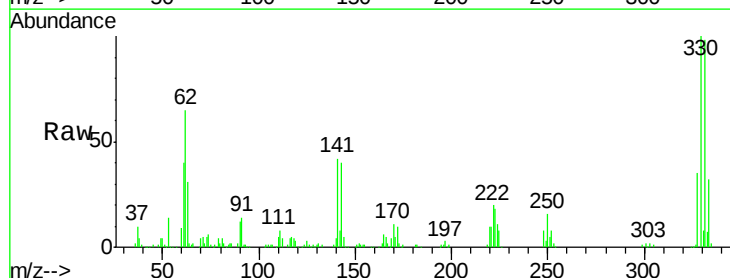


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

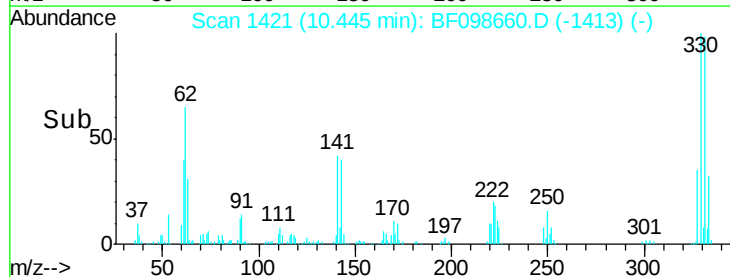
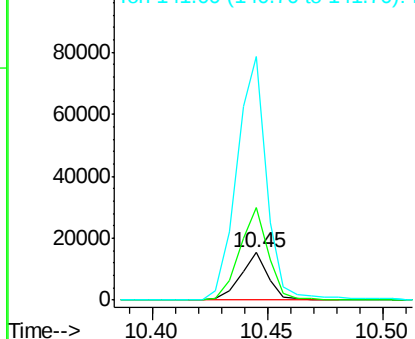


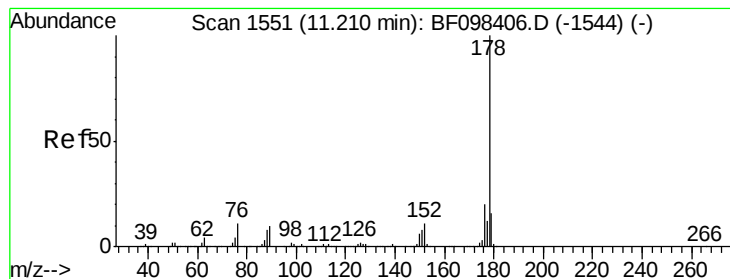
#66
 4-Bromophenyl-phenylether
 Concen: 4.46 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.25 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

Tgt Ion:248 Resp: 12752
 Ion Ratio Lower Upper
 248 100
 250 194.0 76.8 115.2#
 141 513.4 68.6 103.0#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.81 ng

RT: 11.16 min Scan# 1542

Delta R.T. -0.02 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Instrument :

BNA_F

ClientSampled :

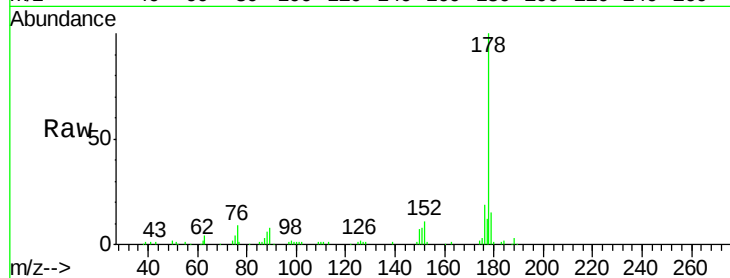
Tot Ion:178 Resp: 76743

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

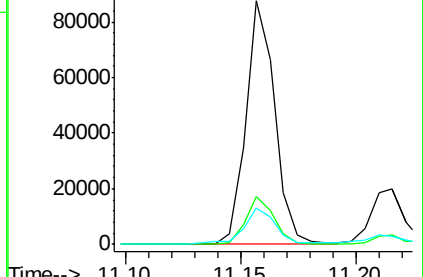
179 15.1 12.6 19.0



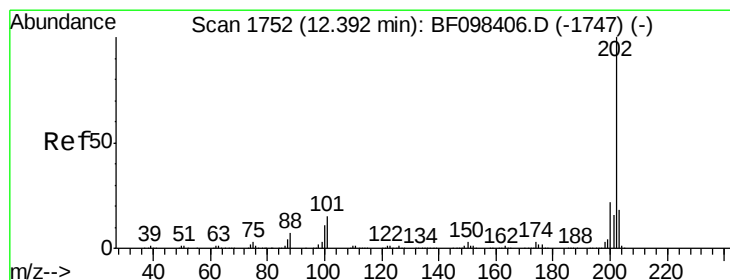
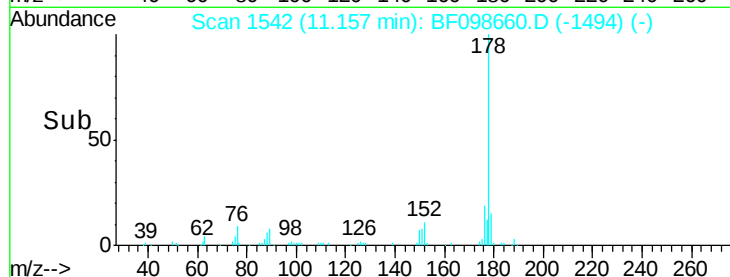
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.10 11.15 11.20



#74

Fluoranthene

Concen: 9.71 ng

RT: 12.35 min Scan# 1744

Delta R.T. -0.02 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

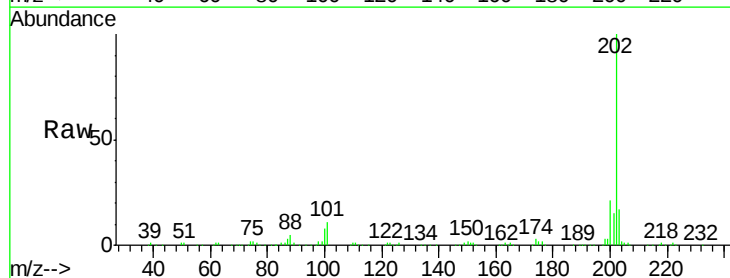
Tgt Ion:202 Resp: 155119

Ion Ratio Lower Upper

202 100

101 10.9 0.0 33.2

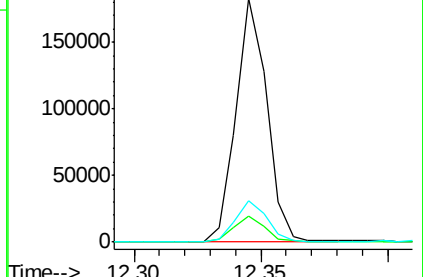
203 16.9 0.0 38.1



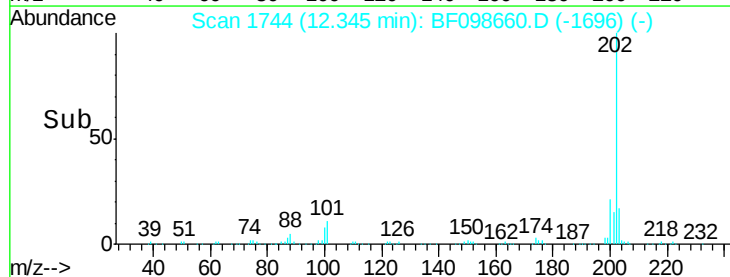
Abundance Ion 202.00 (201.70 to 202.70): E

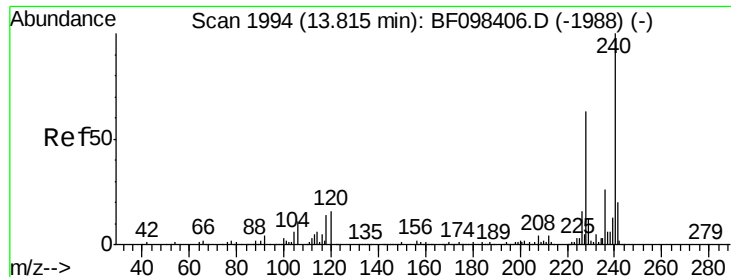
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.30 12.35





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Instrument :

BNA_F

ClientSampleId :

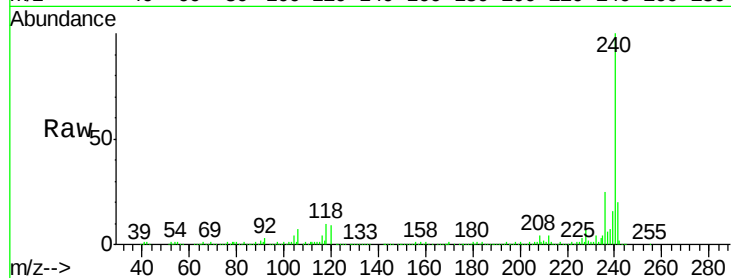
Tot Ion:240 Resp: 199005

Ion Ratio Lower Upper

240 100

120 9.5 5.8 8.8#

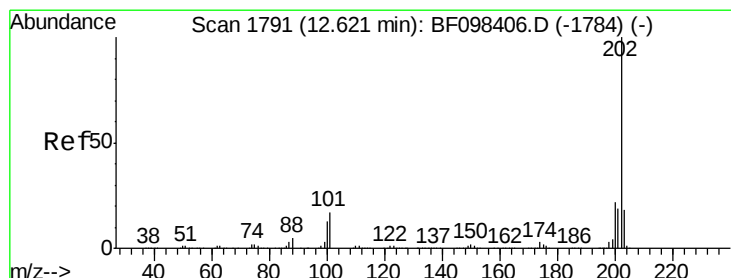
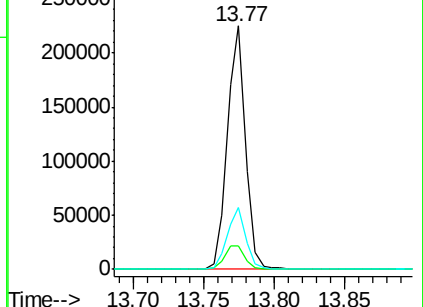
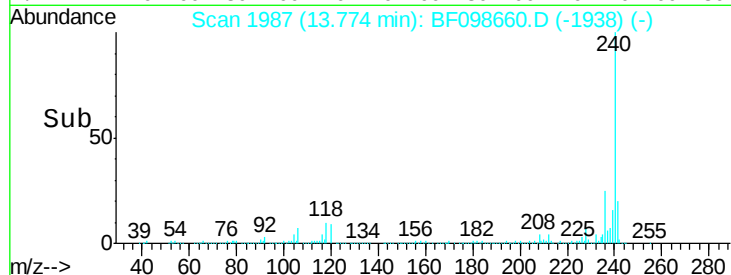
236 25.3 20.5 30.7



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

Pyrene

Concen: 11.25 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

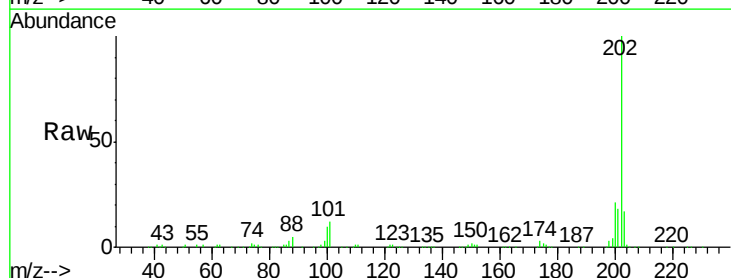
Tgt Ion:202 Resp: 176629

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

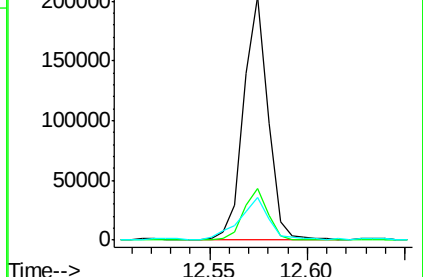
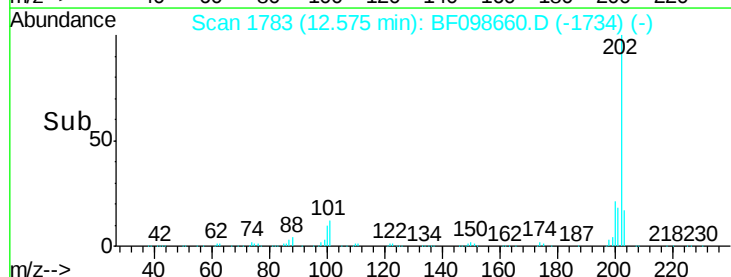
203 17.5 14.4 21.6

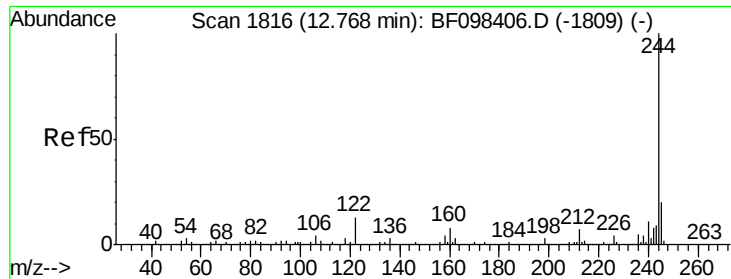


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.34 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Instrument :

BNA_F

ClientSampleId :

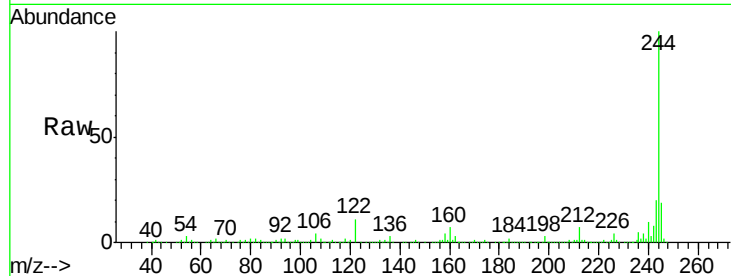
Tot Ion:244 Resp: 583965

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

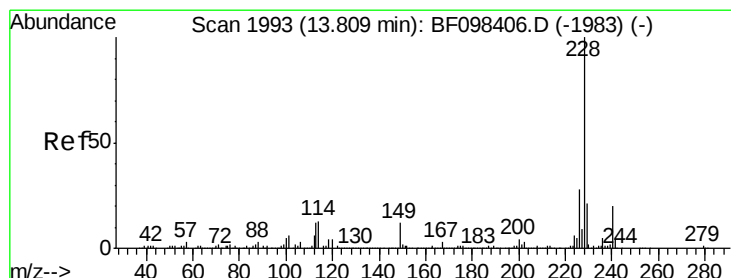
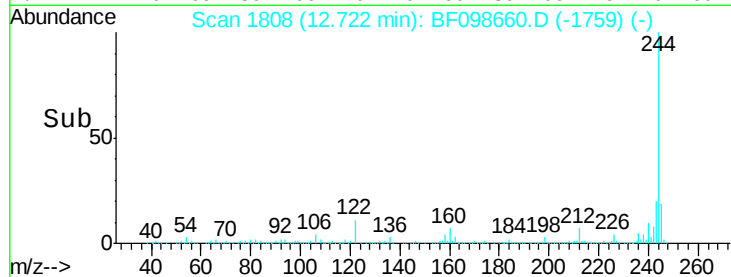
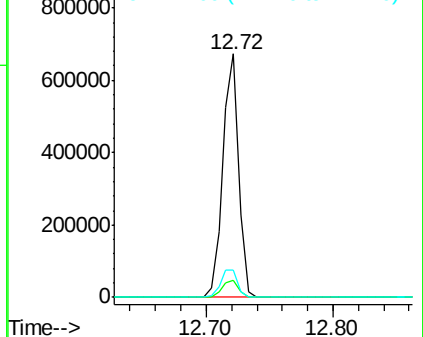
122 11.2 10.3 15.5



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: 6.97 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

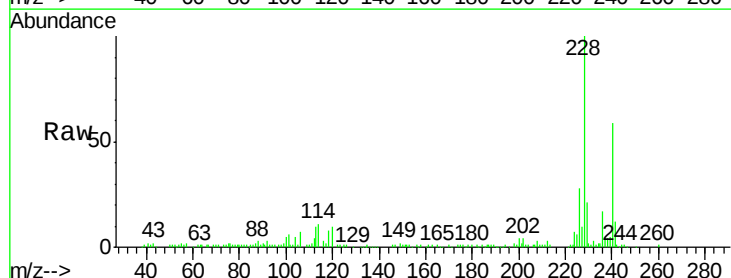
Tgt Ion:228 Resp: 81330

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

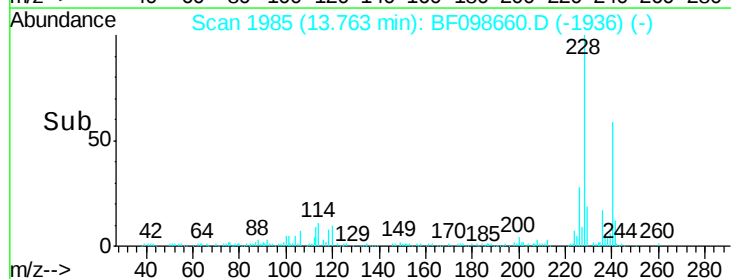
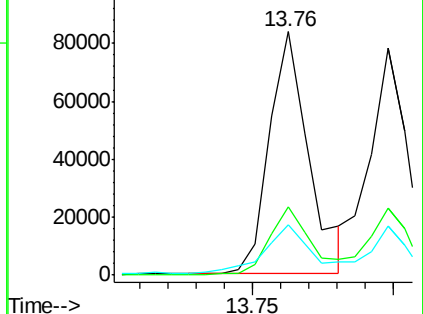
229 20.5 16.3 24.5

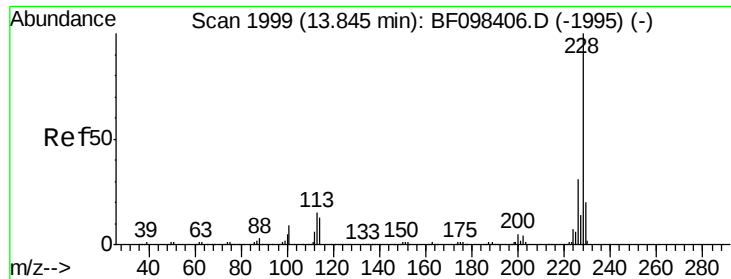


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.03 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Instrument :

BNA_F

ClientSampleId :

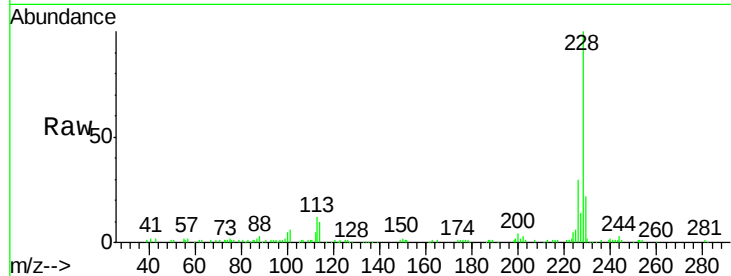
Tot Ion:228 Resp: 71124

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

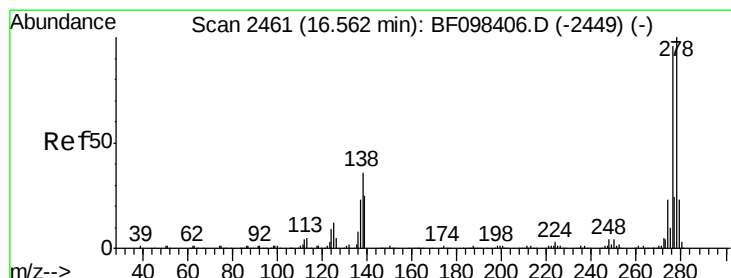
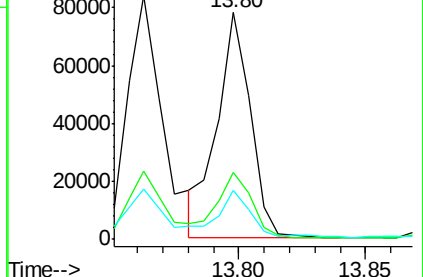
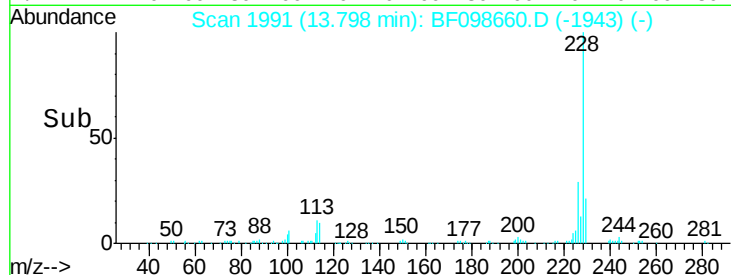
229 21.8 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.93 ng

RT: 16.50 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

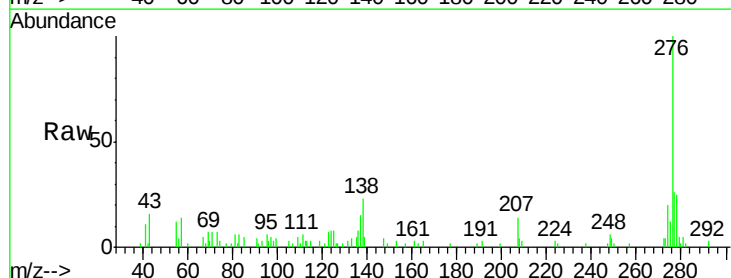
Tgt Ion:276 Resp: 32509

Ion Ratio Lower Upper

276 100

138 27.7 27.8 41.6#

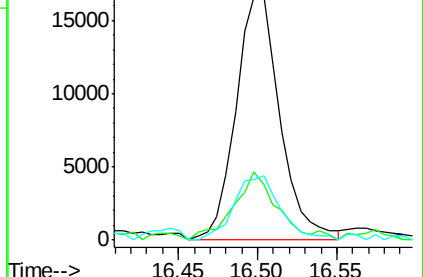
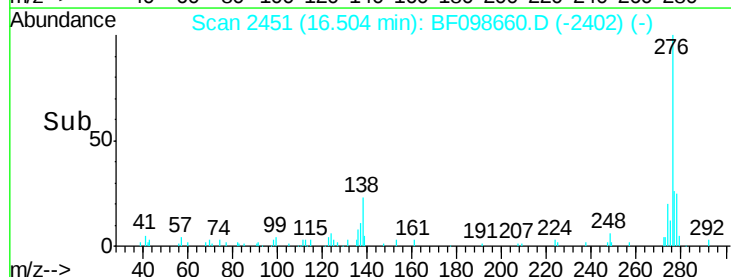
277 27.4 20.2 30.4

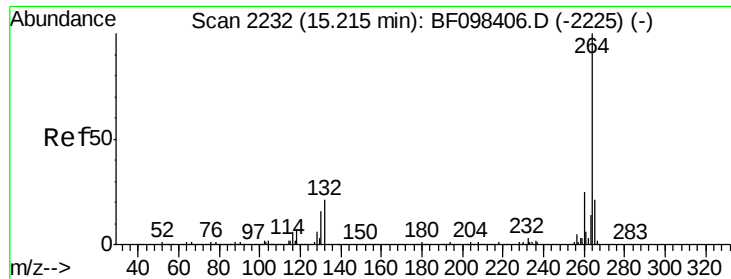


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

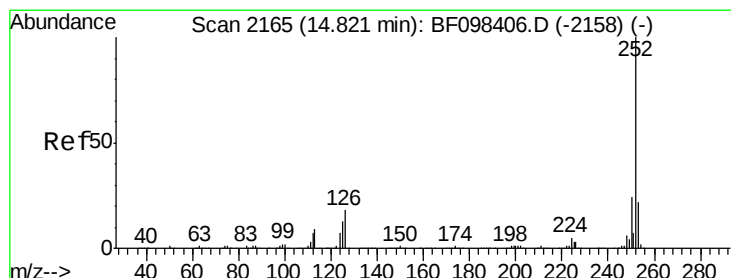
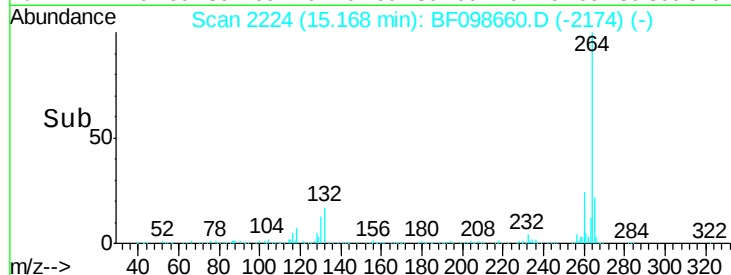
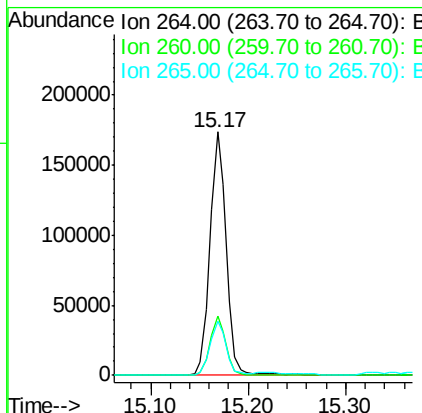
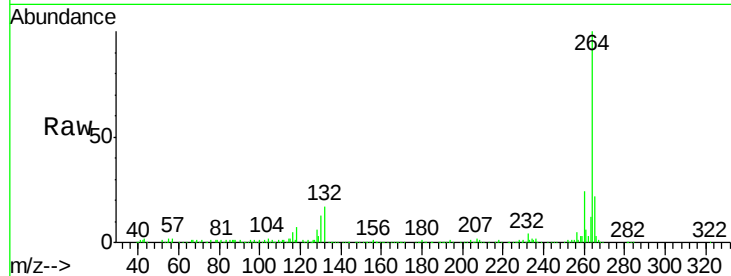




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

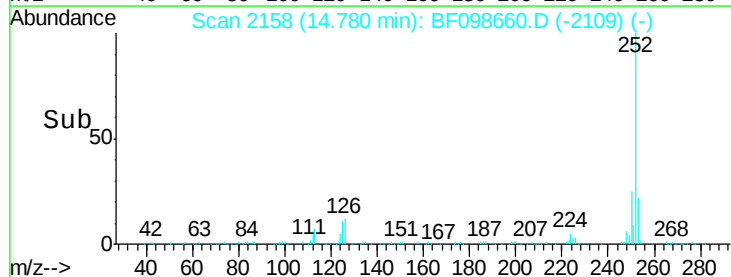
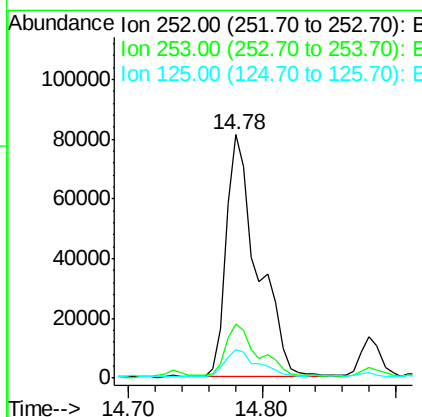
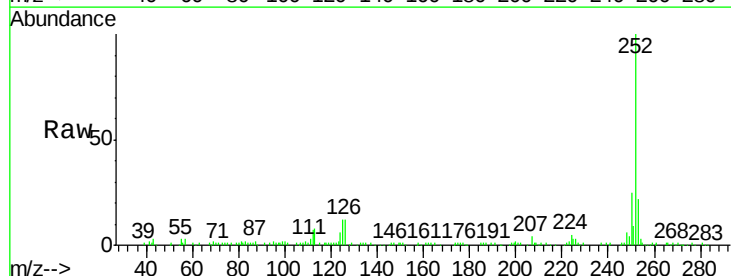
Instrument :
BNA_F
ClientSampleId :

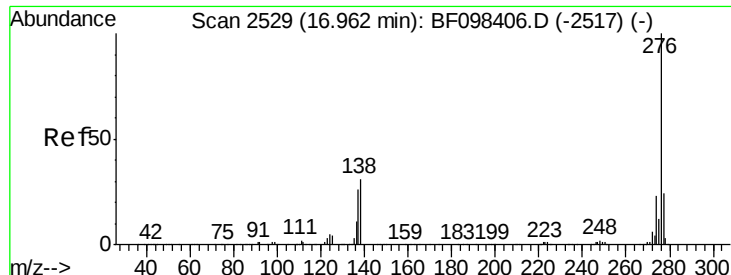
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 10.57 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	11.9	9.8	14.8

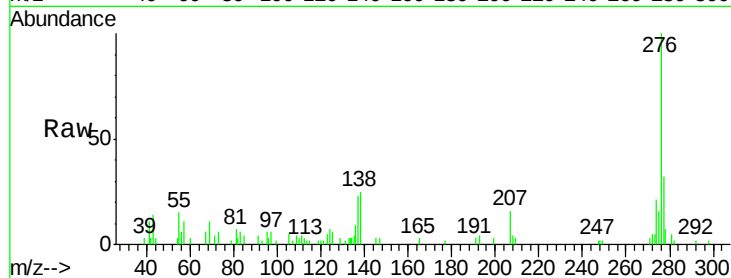




#91
 Benzo(a,h,i)perylene
 Concen: 3.83 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.6	18.6	28.0
138	25.1	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

