

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098927.D
 Acq On : 29 Sep 2017 00:48
 Operator : SJ/JU
 Sample : I5457-11 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 02:49:23 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	147738	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	552363	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	212106	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	314255	20.00	ng	0.00
75) Chrysene-d12	14.09	240	269875	20.00	ng	0.00
86) Perylene-d12	15.58	264	235303	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	506157	54.54	ng	0.00
7) Phenol-d6	6.54	99	583719	50.99	ng	0.00
23) Nitrobenzene-d5	7.47	82	345376	40.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	75823	43.69	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	568488	44.74	ng	-0.01
78) Terphenyl-d14	13.02	244	377407	31.80	ng	-0.01

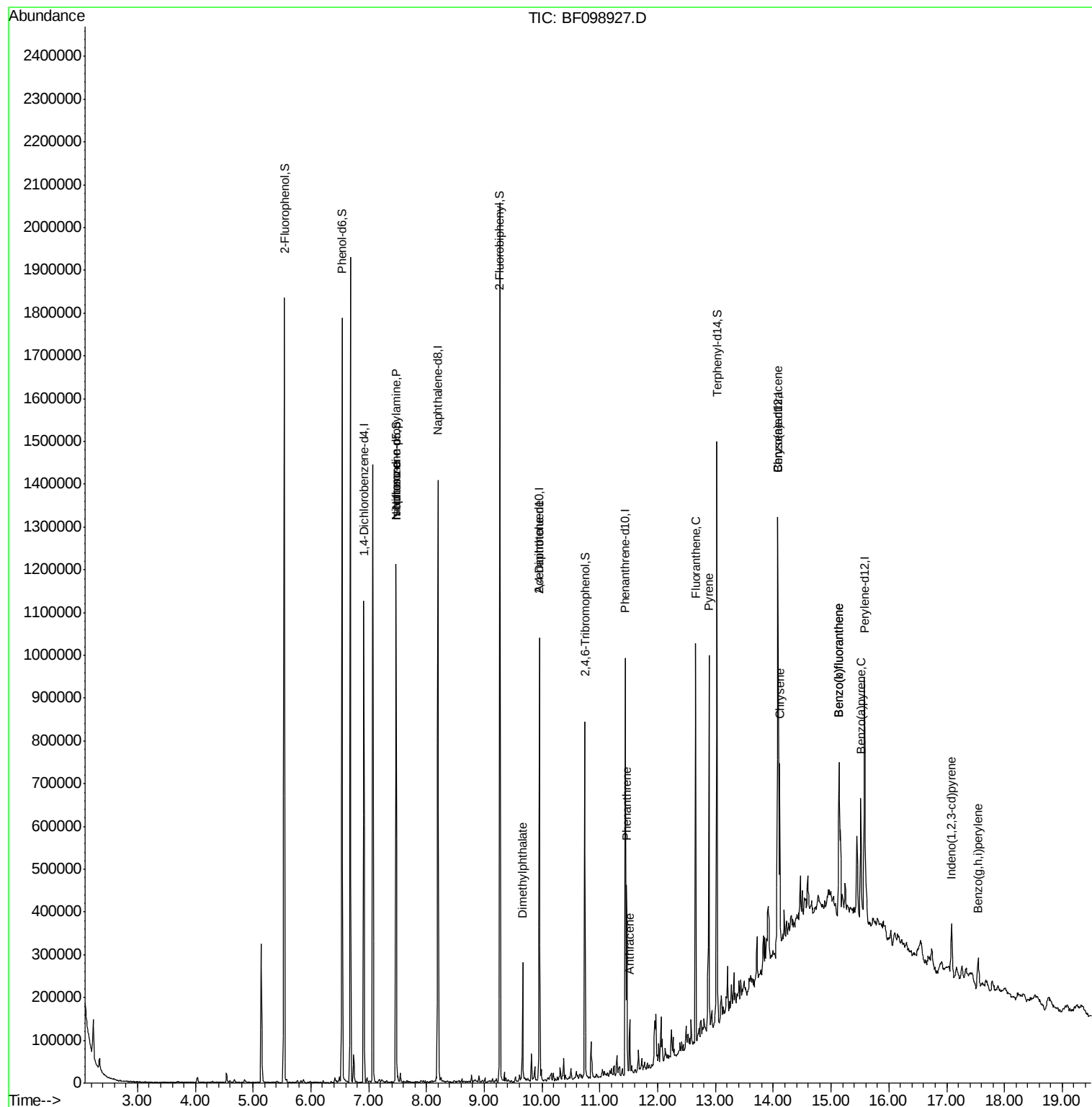
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	45430	6.22	ng	# 78
25) Isophorone	7.47	82	343137	19.27	ng	# 64
49) Dimethylphthalate	9.66	163	108746	6.79	ng	100
56) 2,4-Dinitrotoluene	9.95	165	28590	6.32	ng	# 23
70) Phenanthrene	11.46	178	148248	8.81	ng	98
71) Anthracene	11.52	178	40817	2.37	ng	99
74) Fluoranthene	12.66	202	345843	20.30	ng	97
77) Pyrene	12.89	202	318157	15.46	ng	99
80) Benzo(a)anthracene	14.07	228	173919	10.64	ng	99
82) Chrysene	14.11	228	158695	10.20	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	65554	5.27	ng	99
87) Benzo(b)fluoranthene	15.14	252	267418	18.48	ng	# 92
88) Benzo(k)fluoranthene	15.14	252	267418	18.71	ng	# 95
89) Benzo(a)pyrene	15.52	252	131646	9.91	ng	# 95
91) Benzo(a,h,i)perylene	17.54	276	60976	5.80	ng	96

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

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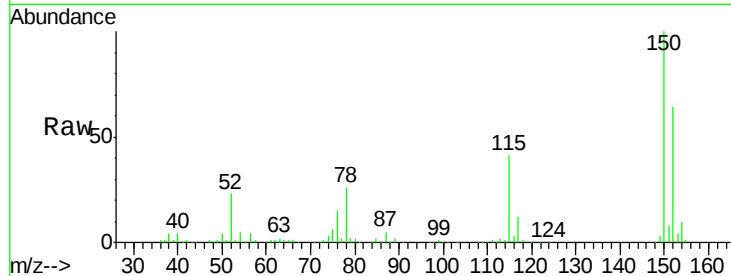


#1

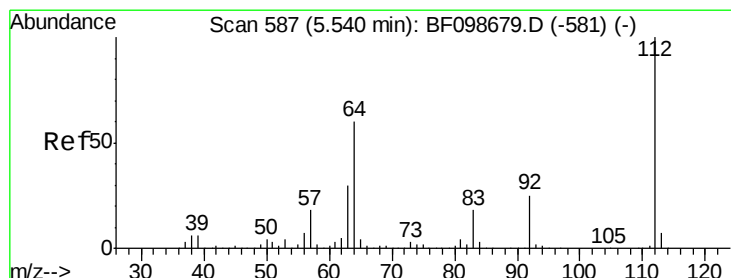
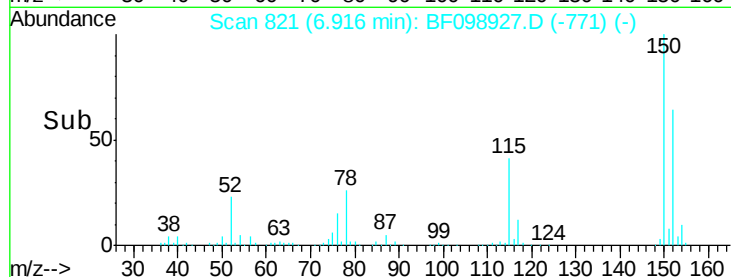
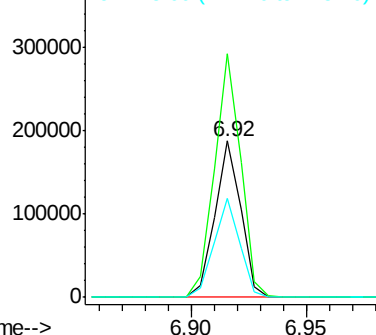
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147738
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 63.2 50.1 75.1



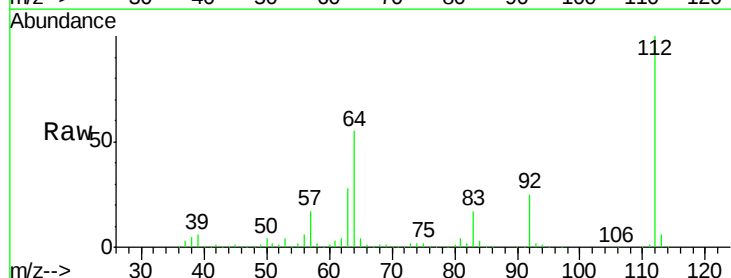
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



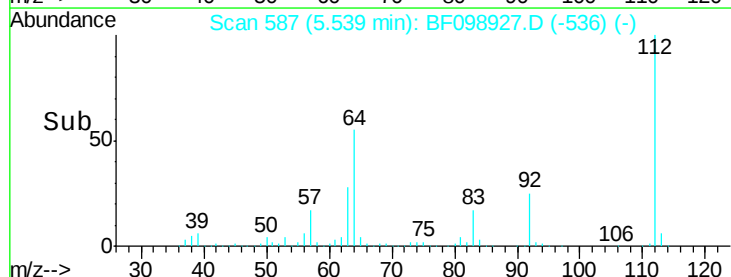
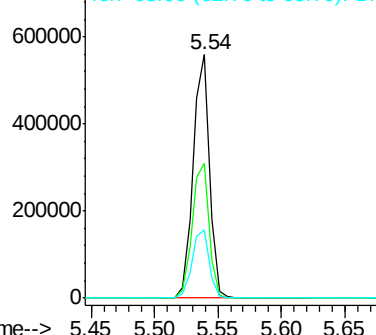
#5

2-Fluorophenol
Concen: 54.54 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion:112 Resp: 506157
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 28.0 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: 50.99 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

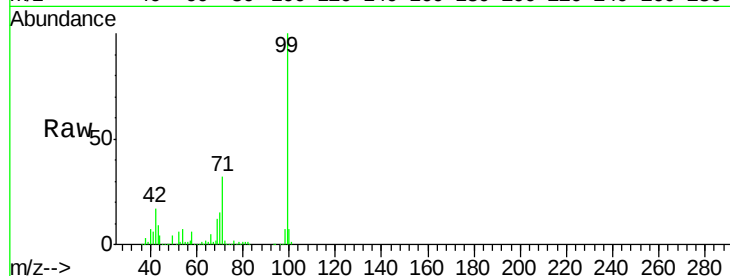
Tot Ion: 99 Resp: 583719

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

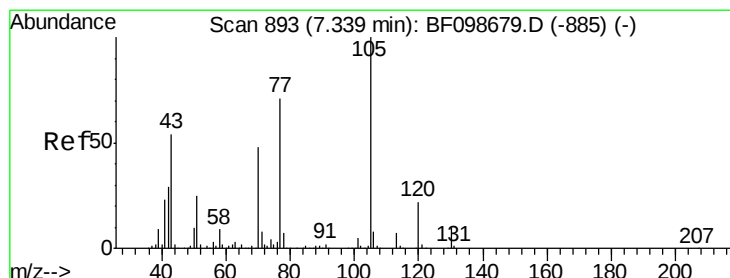
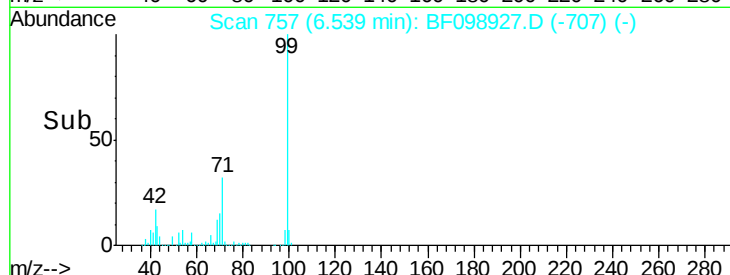
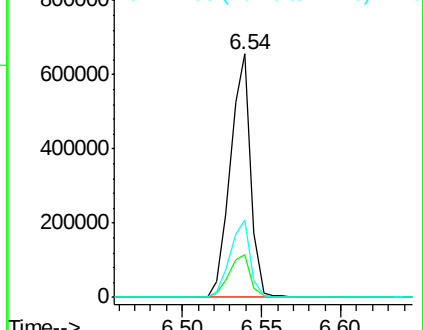
71 31.6 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.22 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Tgt Ion: 70 Resp: 45430

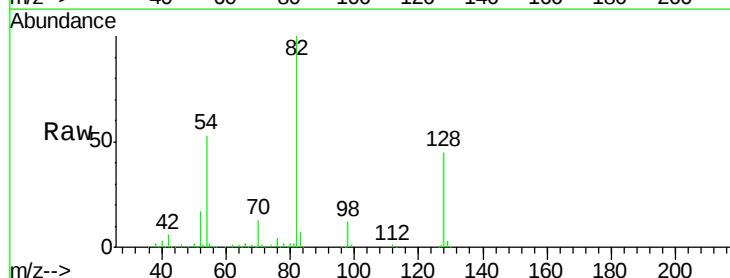
Ion Ratio Lower Upper

70 100

42 48.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

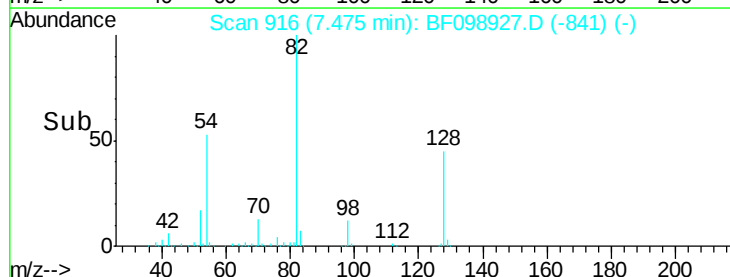
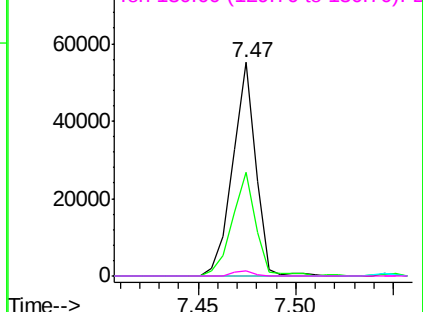


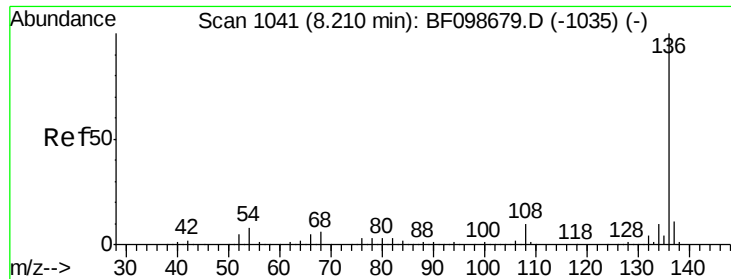
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

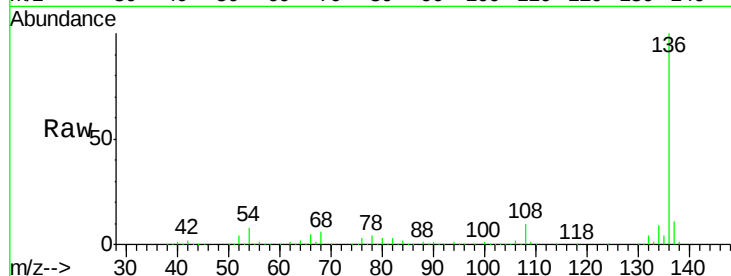




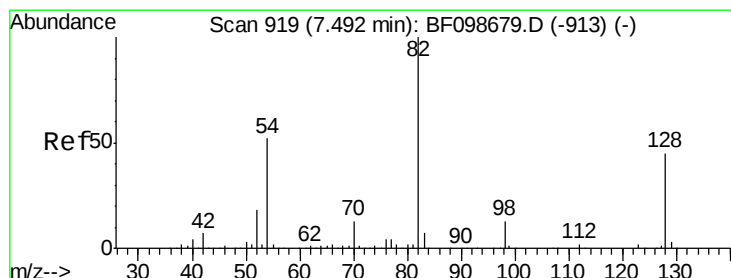
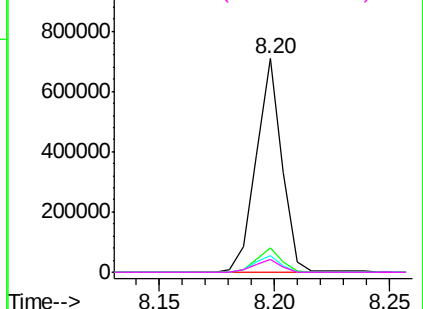
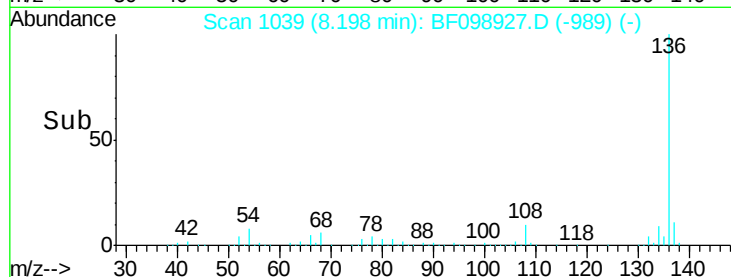
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	552363
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	7.7	6.6 9.8
68	6.0	5.0 7.4

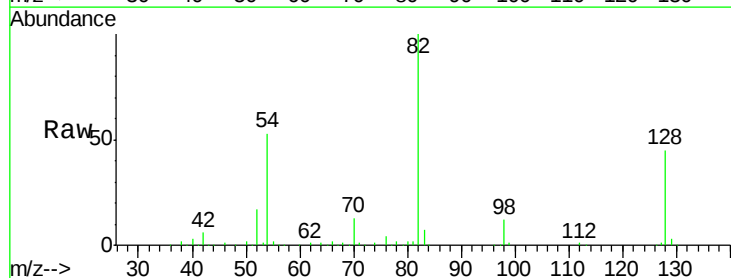


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

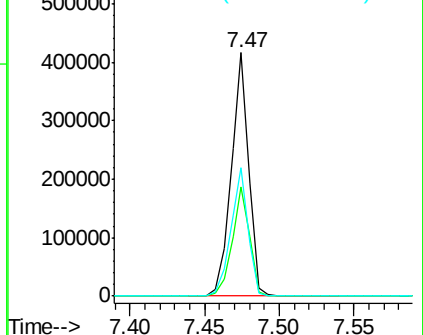
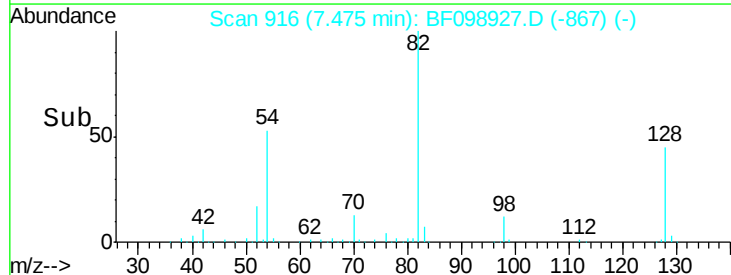


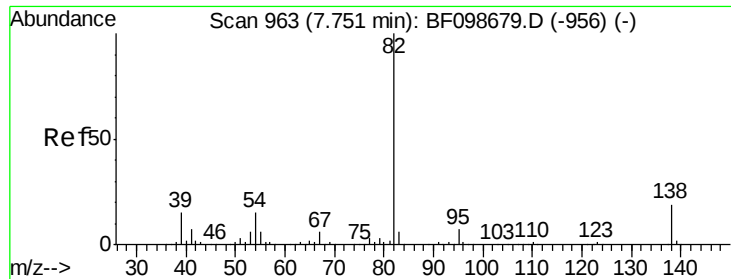
#23
Nitrobenzene-d5
Concen: 40.10 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion: 82	Resp:	345376
Ion Ratio	Lower	Upper
82	100	
128	44.8	36.1 54.1
54	52.7	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: 19.27 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

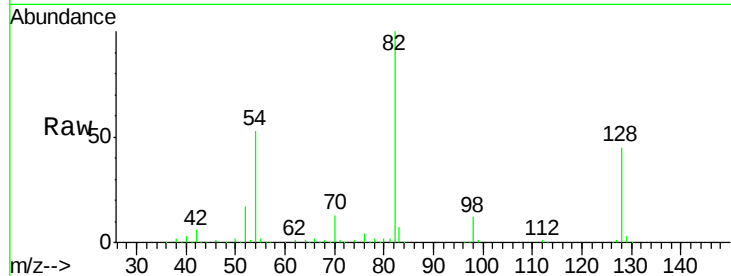
Tot Ion: 82 Resp: 343137

Ion Ratio Lower Upper

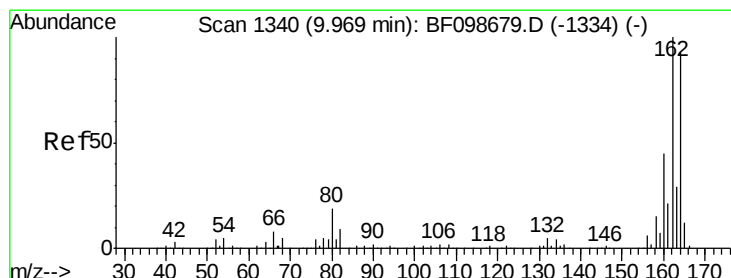
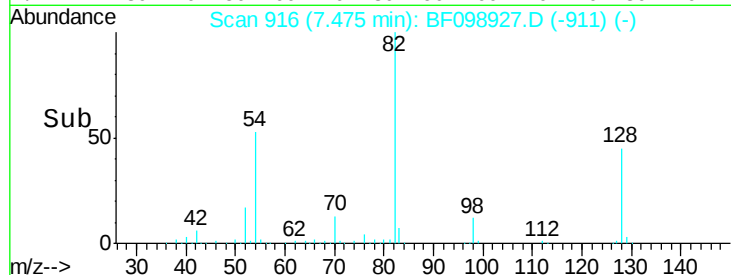
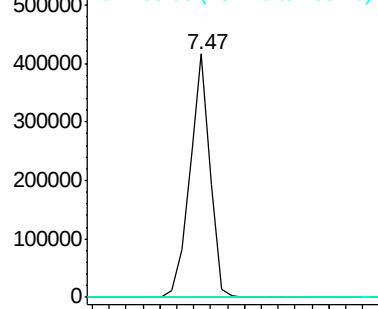
82 100

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

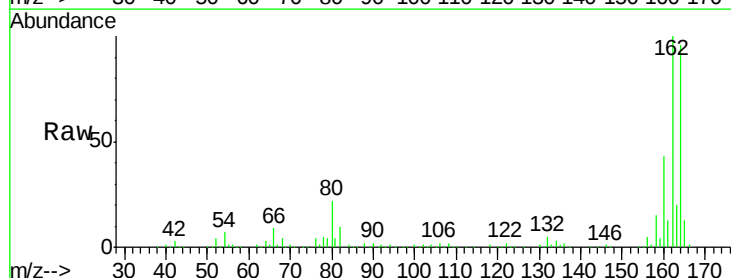
Tgt Ion: 164 Resp: 212106

Ion Ratio Lower Upper

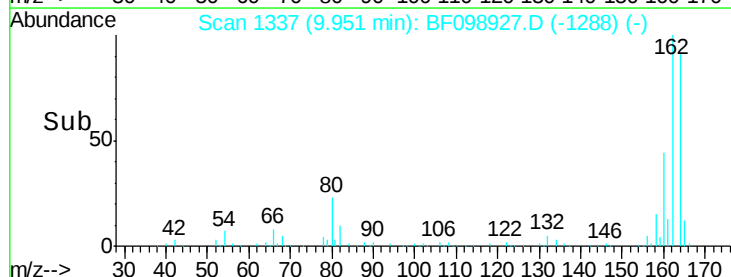
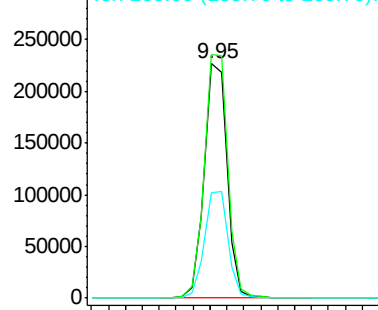
164 100

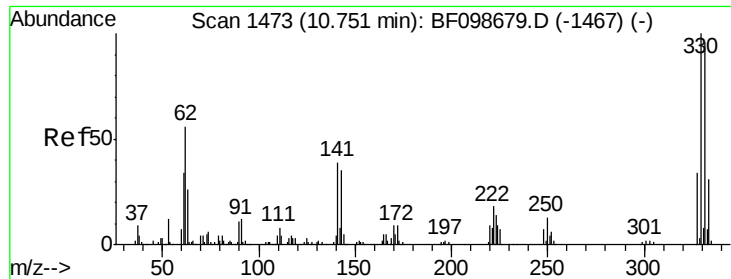
162 103.8 86.1 129.1

160 45.1 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: 43.69 ng

RT: 10.74 min Scan# 1471

Delta R.T. -0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

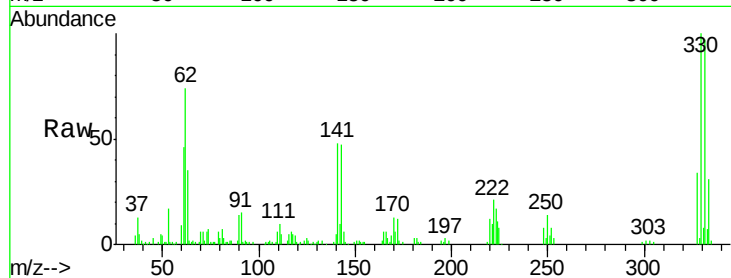
Tot Ion:330 Resp: 75823

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

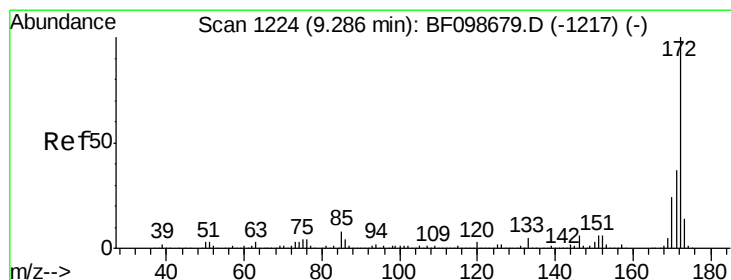
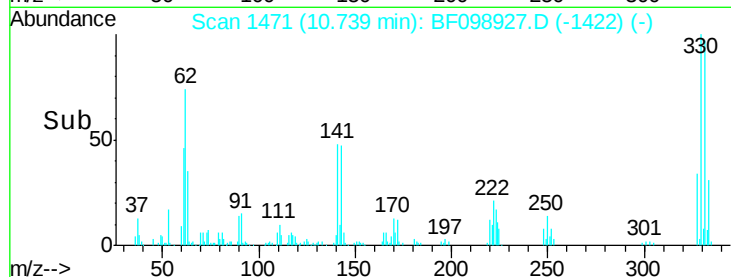
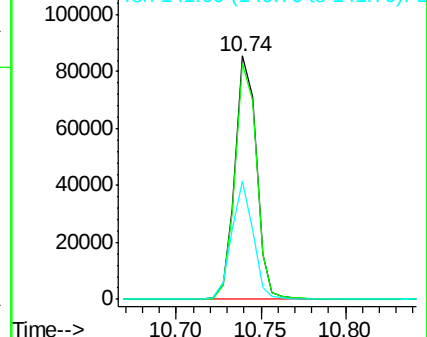
141 48.5 29.9 44.9#



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: 44.74 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

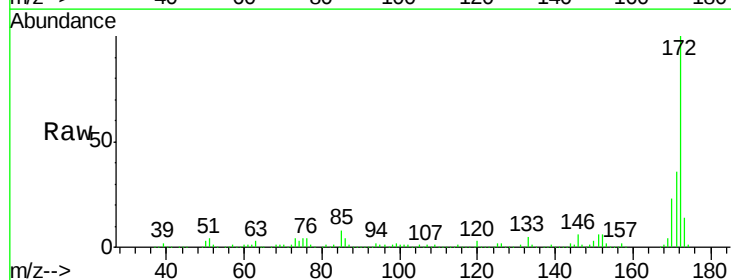
Tgt Ion:172 Resp: 568488

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

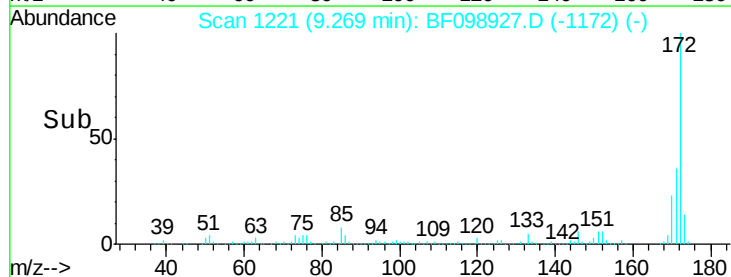
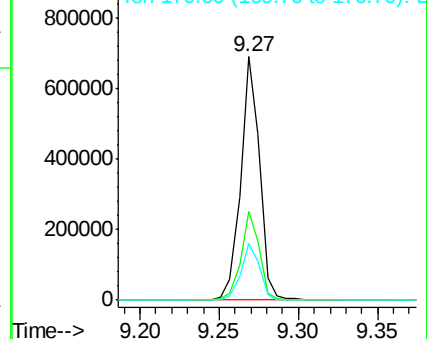
170 23.4 19.6 29.4

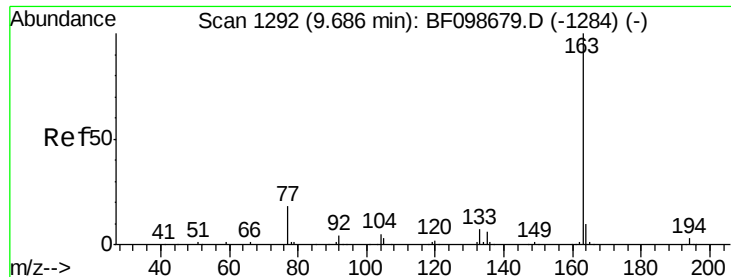


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

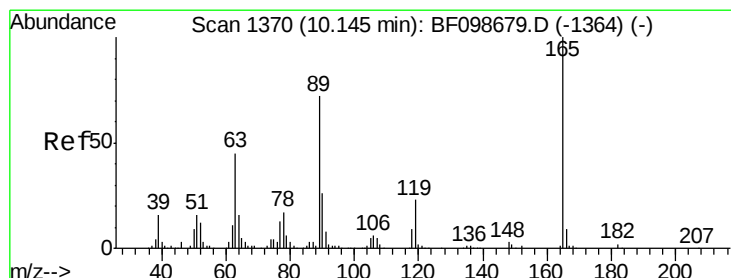
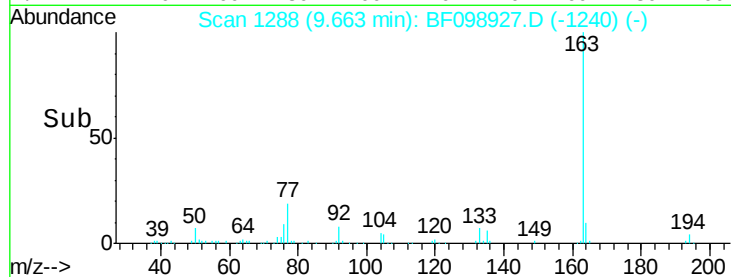
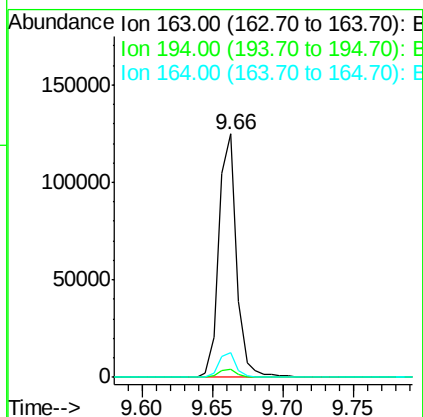
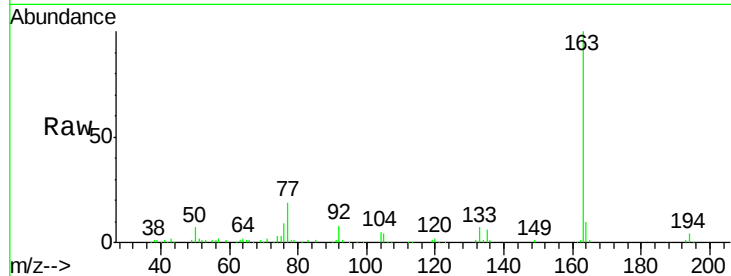




#49
Dimethylphthalate
Concen: 6.79 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

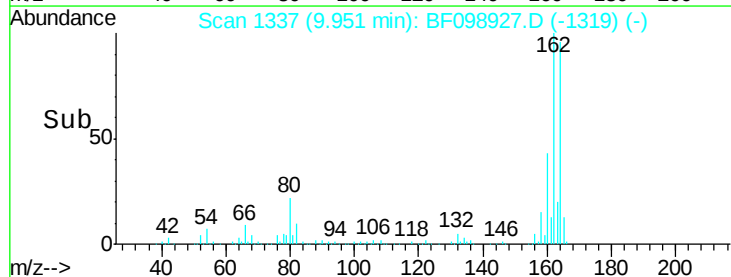
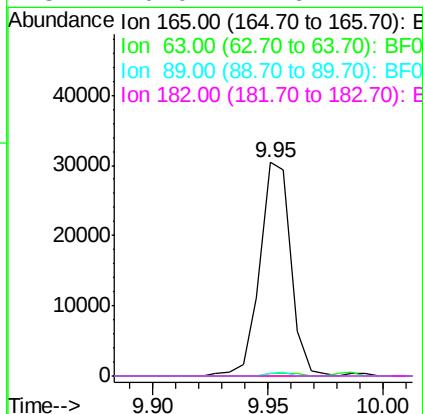
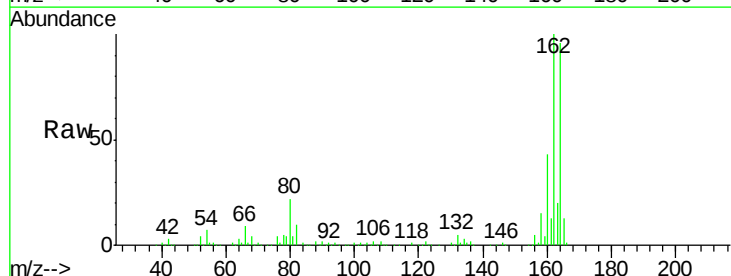
Instrument :
BNA_F
ClientSampleId :

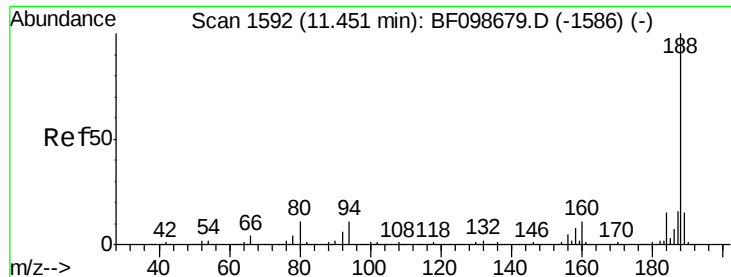
Tot Ion:163 Resp: 108746
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.1 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.32 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion:165 Resp: 28590
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#

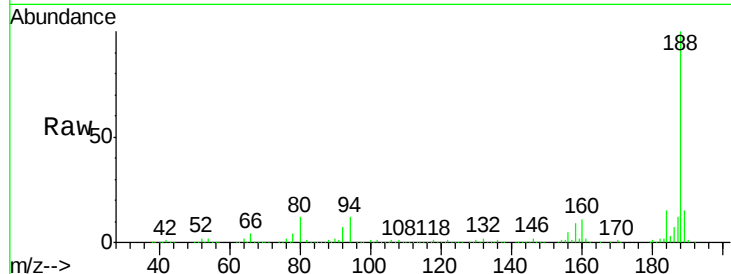




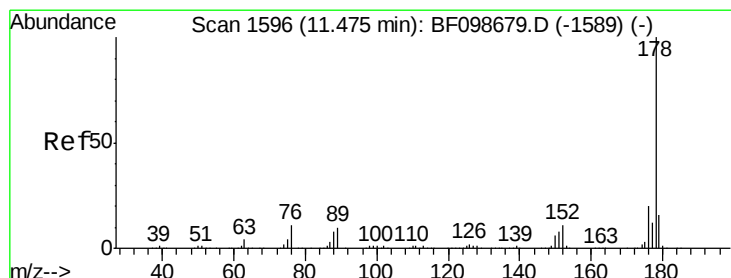
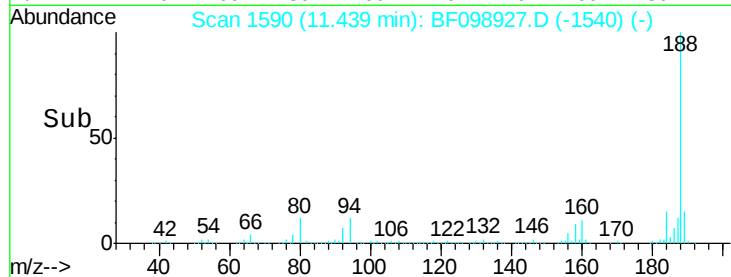
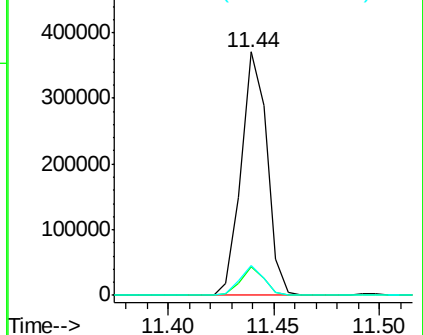
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 314255
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.2 9.2 13.8

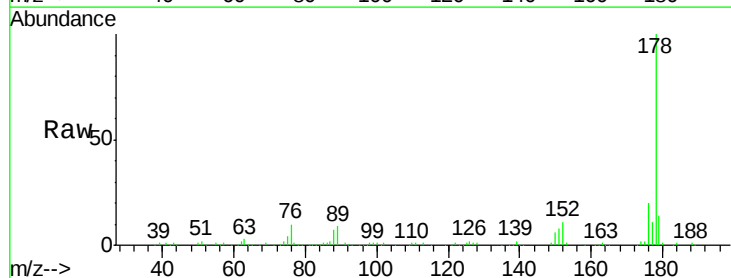


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

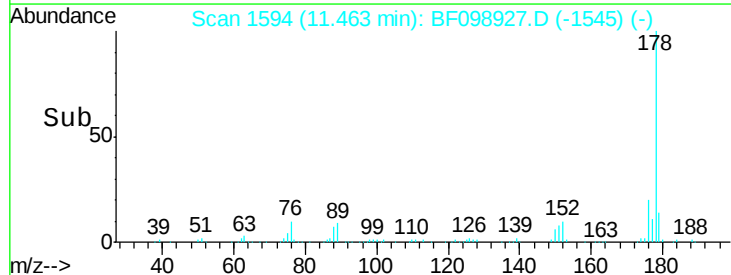
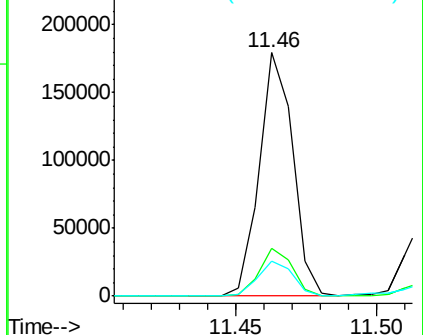


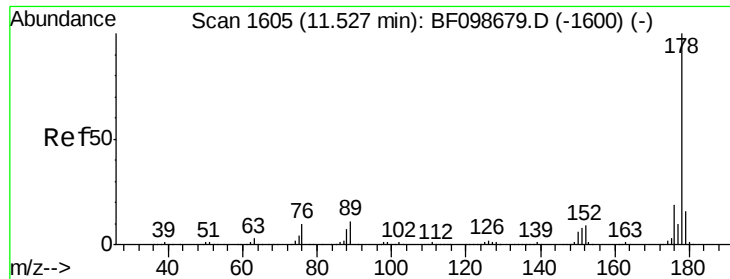
#70
Phenanthrene
Concen: 8.81 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion:178 Resp: 148248
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.5 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

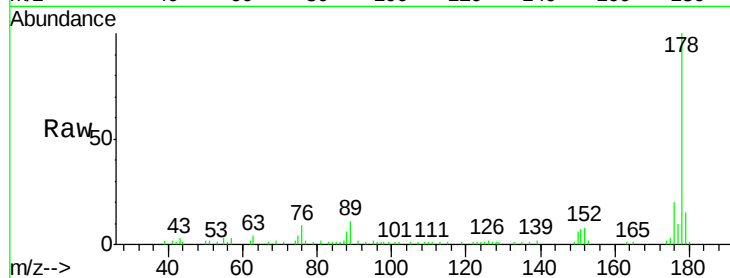




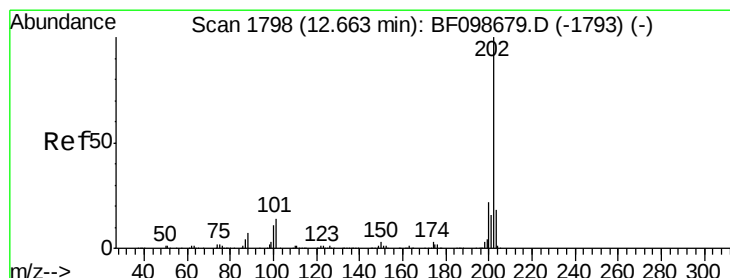
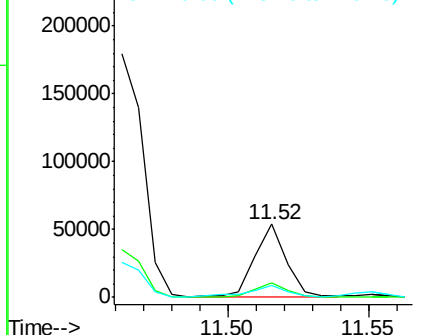
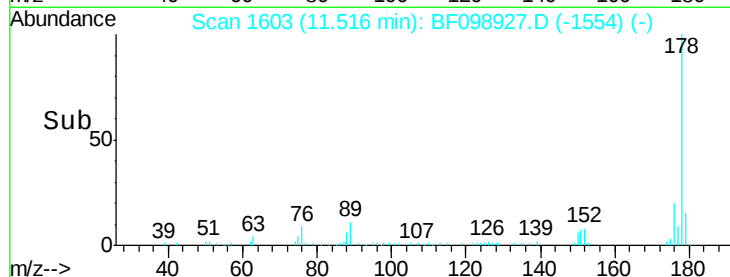
#71
 Anthracene
 Concen: 2.37 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF098927.D
 Acq: 29 Sep 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.4	12.6	19.0

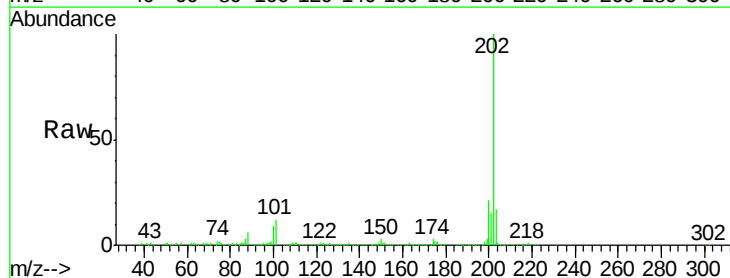


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

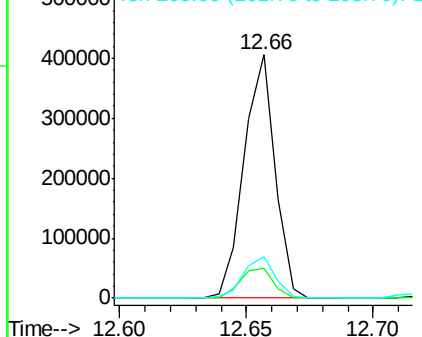
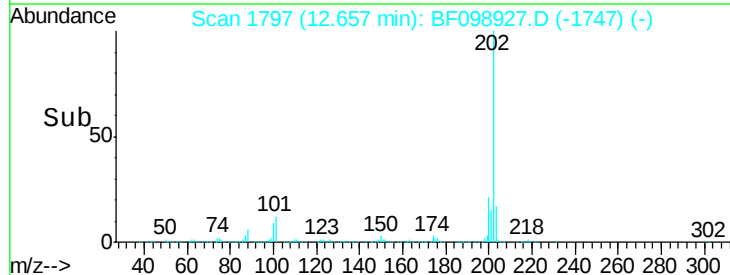


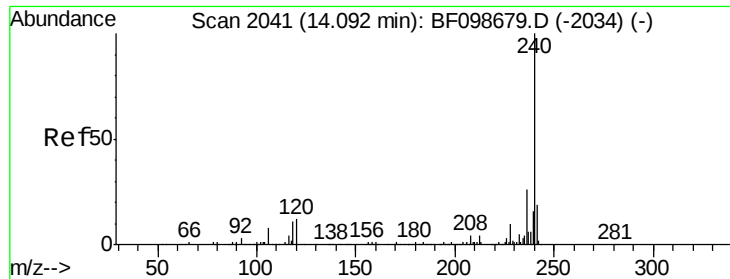
#74
 Fluoranthene
 Concen: 20.30 ng
 RT: 12.66 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BF098927.D
 Acq: 29 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.2	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

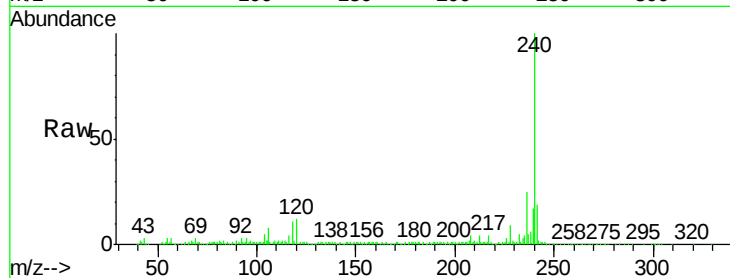




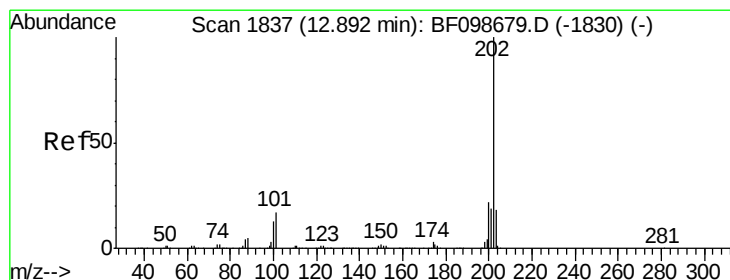
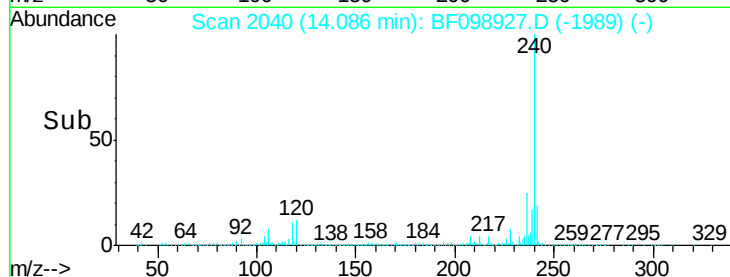
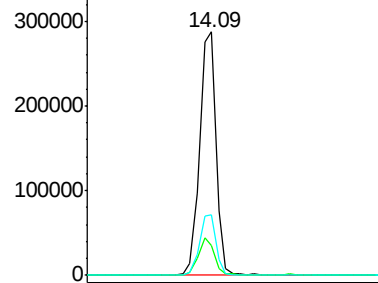
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.5	14.3
236	25.1	20.7	31.1

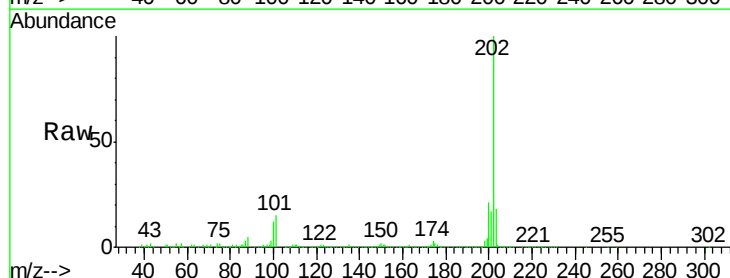


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

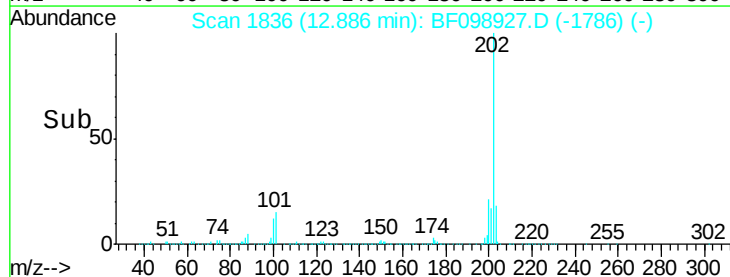
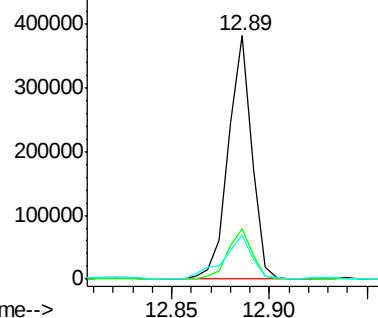


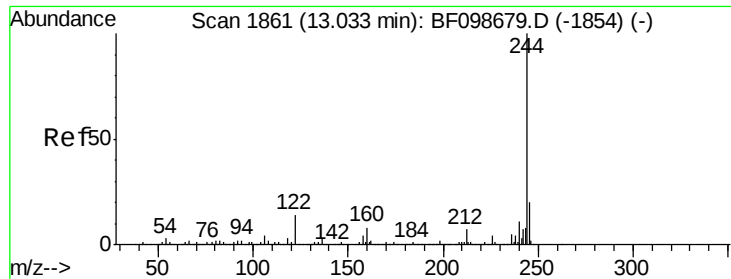
#77
Pyrene
Concen: 15.46 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	18.0	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: 31.80 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

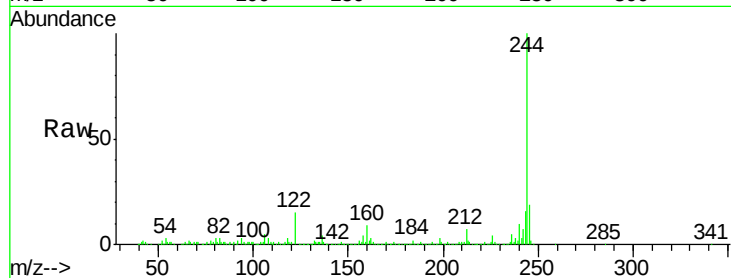
Tot Ion:244 Resp: 377407

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

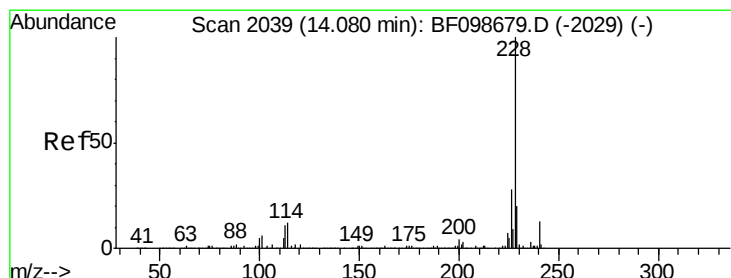
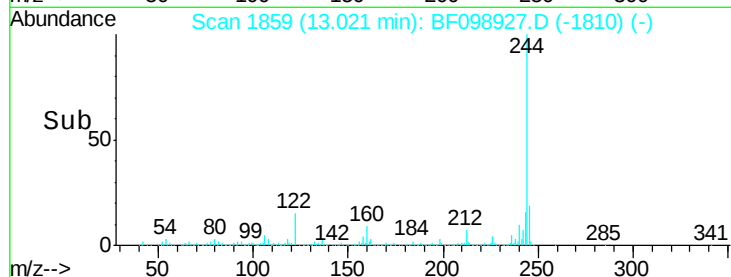
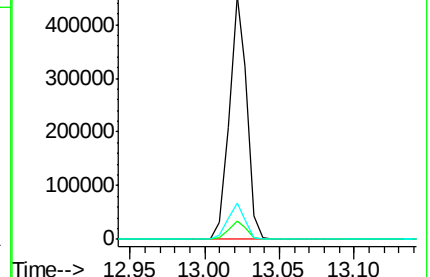
122 15.0 11.0 16.4



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: 10.64 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

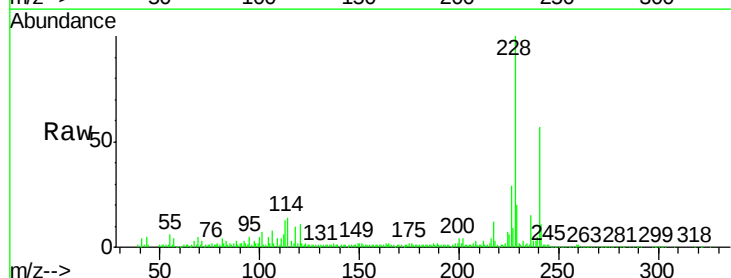
Tgt Ion:228 Resp: 173919

Ion Ratio Lower Upper

228 100

226 29.2 22.6 33.8

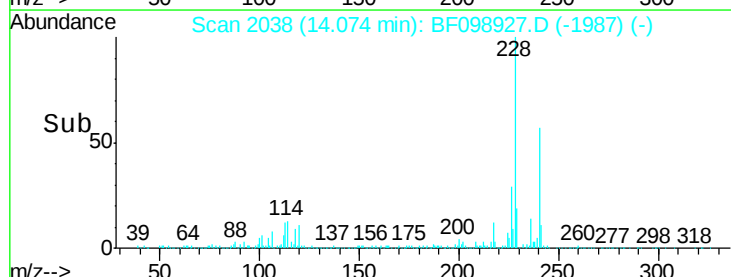
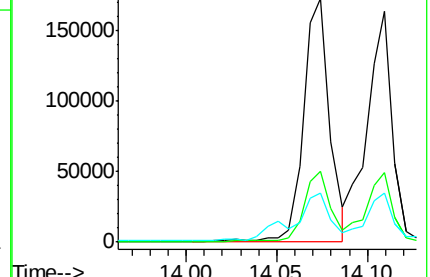
229 20.1 15.8 23.6

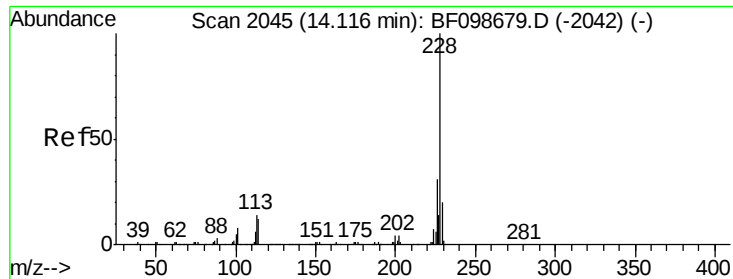


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

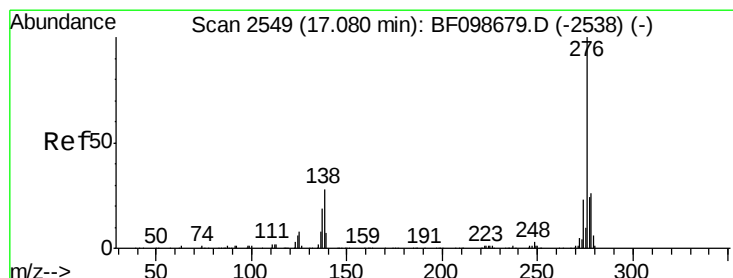
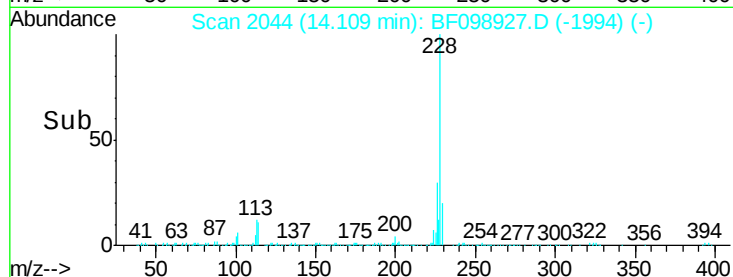
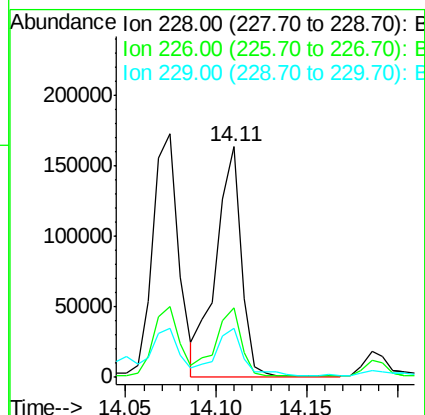
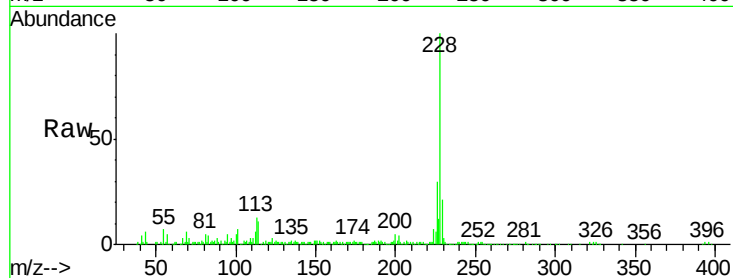




#82
Chrysene
Concen: 10.20 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

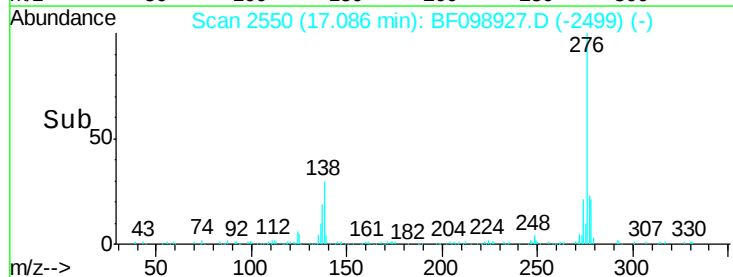
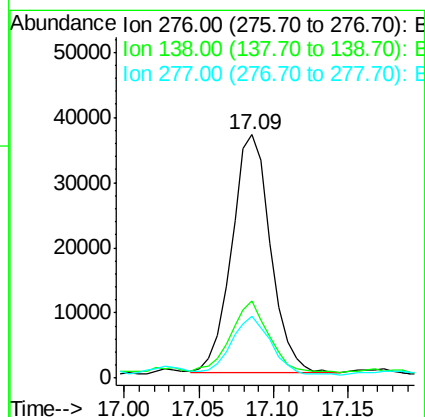
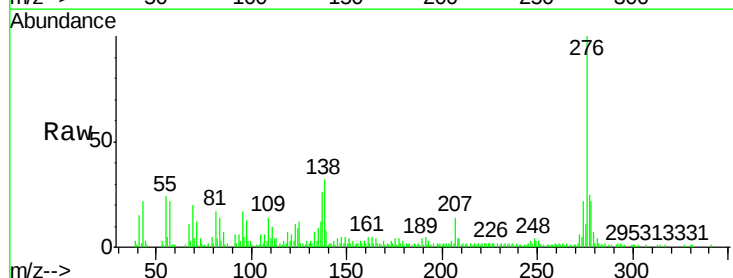
Instrument :
BNA_F
ClientSampleId :

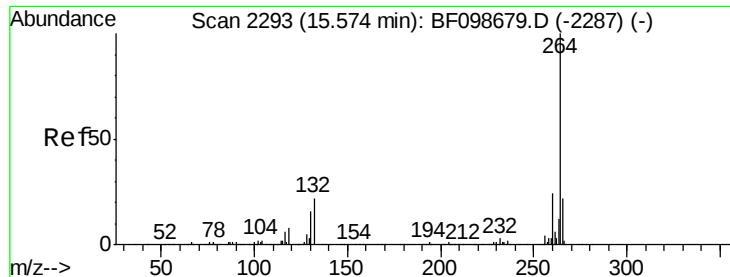
Tot Ion:228 Resp: 158695
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 21.5 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.27 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion:276 Resp: 65554
Ion Ratio Lower Upper
276 100
138 30.7 25.0 37.6
277 25.3 20.1 30.1

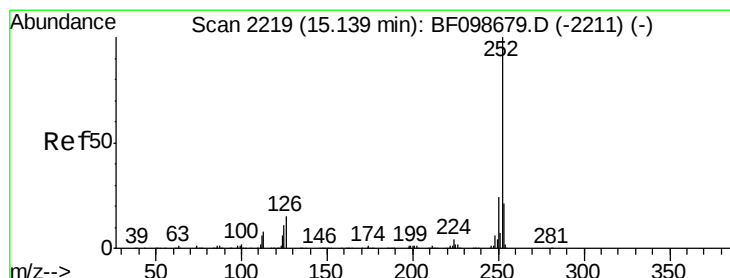
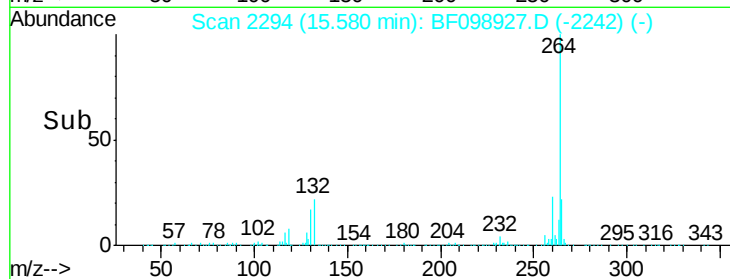
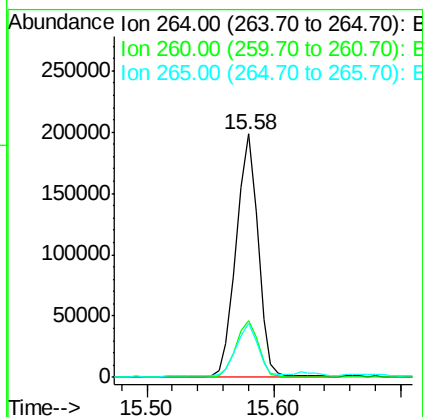
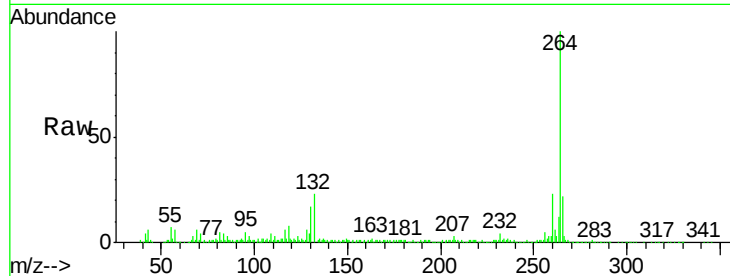




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

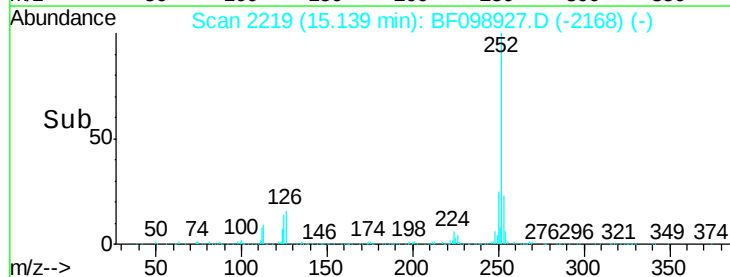
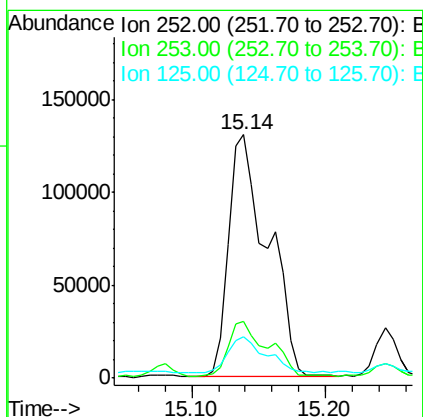
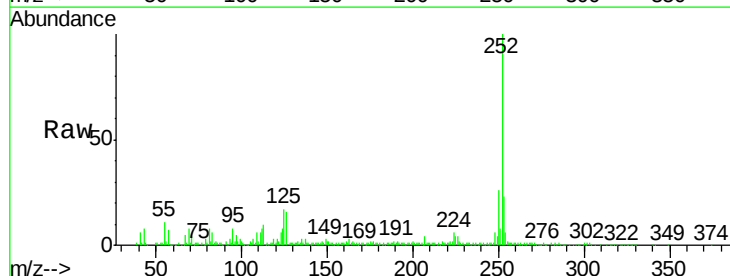
Instrument :
BNA_F
ClientSampleId :

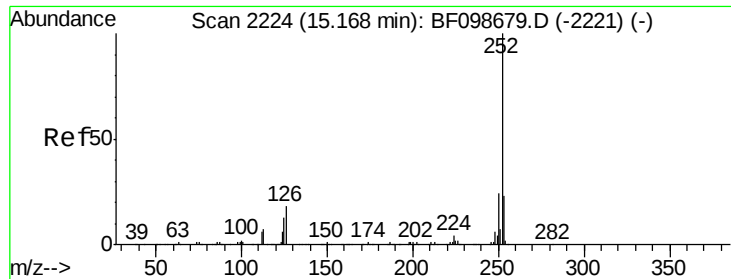
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 18.48 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	16.8	9.0	13.6

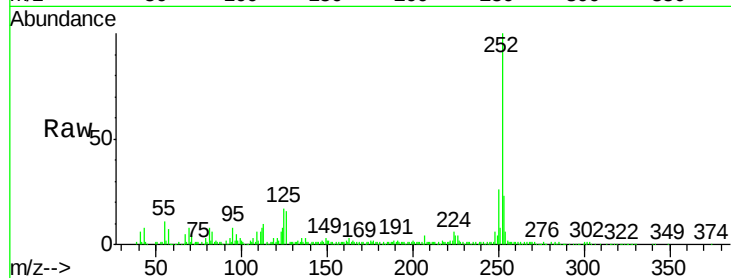




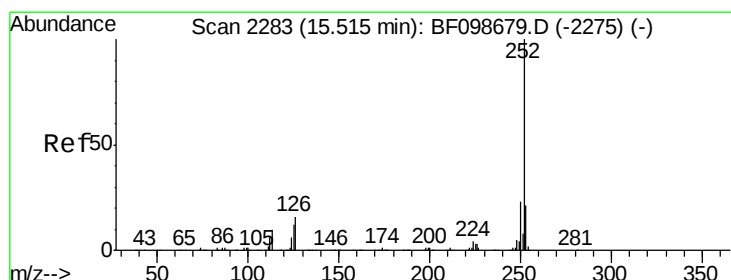
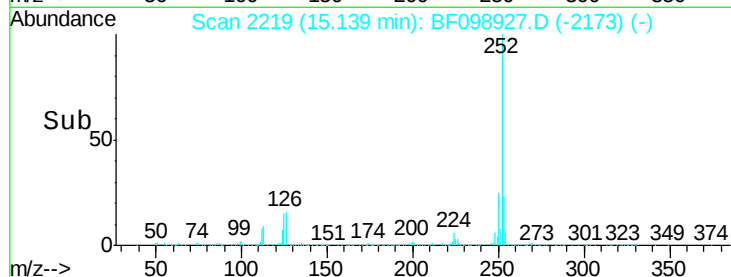
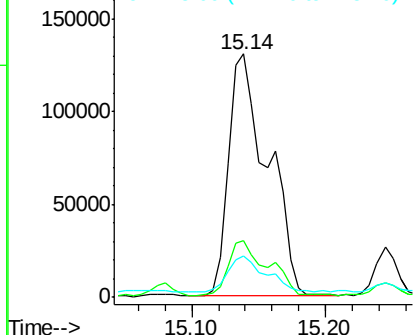
#88
Benzo(k)fluoranthene
Concen: 18.71 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	16.8	10.2	15.2

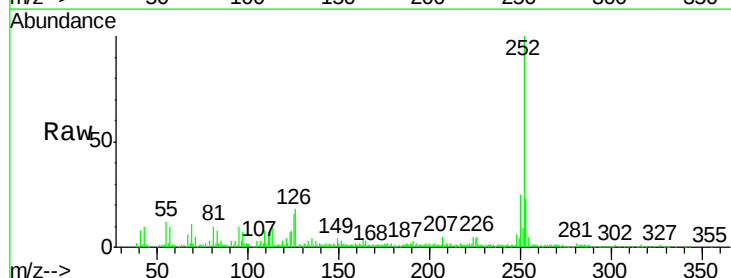


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

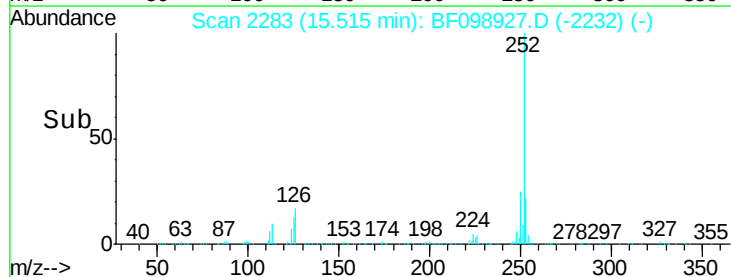
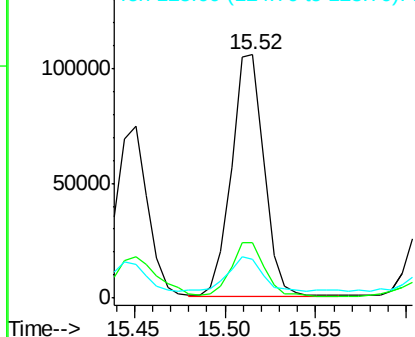


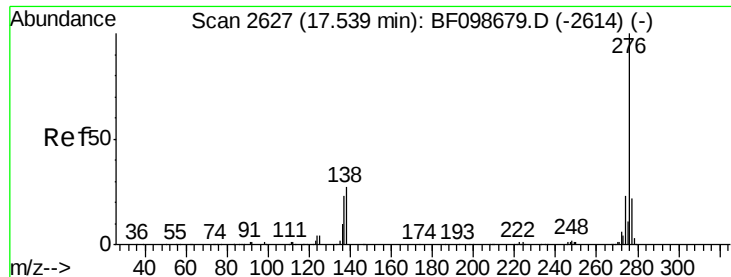
#89
Benzo(a)pyrene
Concen: 9.91 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098927.D
Acq: 29 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	15.7	9.8	14.6



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





#91

Benzo(a,h,i)perylene

Concen: 5.80 ng

RT: 17.54 min Scan# 2628

Delta R.T. -0.00 min

Lab File: BF098927.D

Acq: 29 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

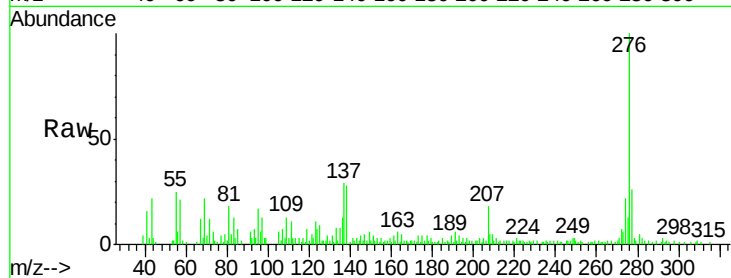
Tot Ion: 276 Resp: 60976

Ion Ratio Lower Upper

276 100

277 26.0 17.9 26.9

138 28.3 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

