

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098919.D
 Acq On : 28 Sep 2017 21:03
 Operator : SJ/JU
 Sample : I5440-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 00:45:22 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	161402	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	647383	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	262223	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	379852	20.00	ng	0.00
75) Chrysene-d12	14.08	240	267197	20.00	ng	0.00
86) Perylene-d12	15.57	264	283682	20.00	ng	0.00

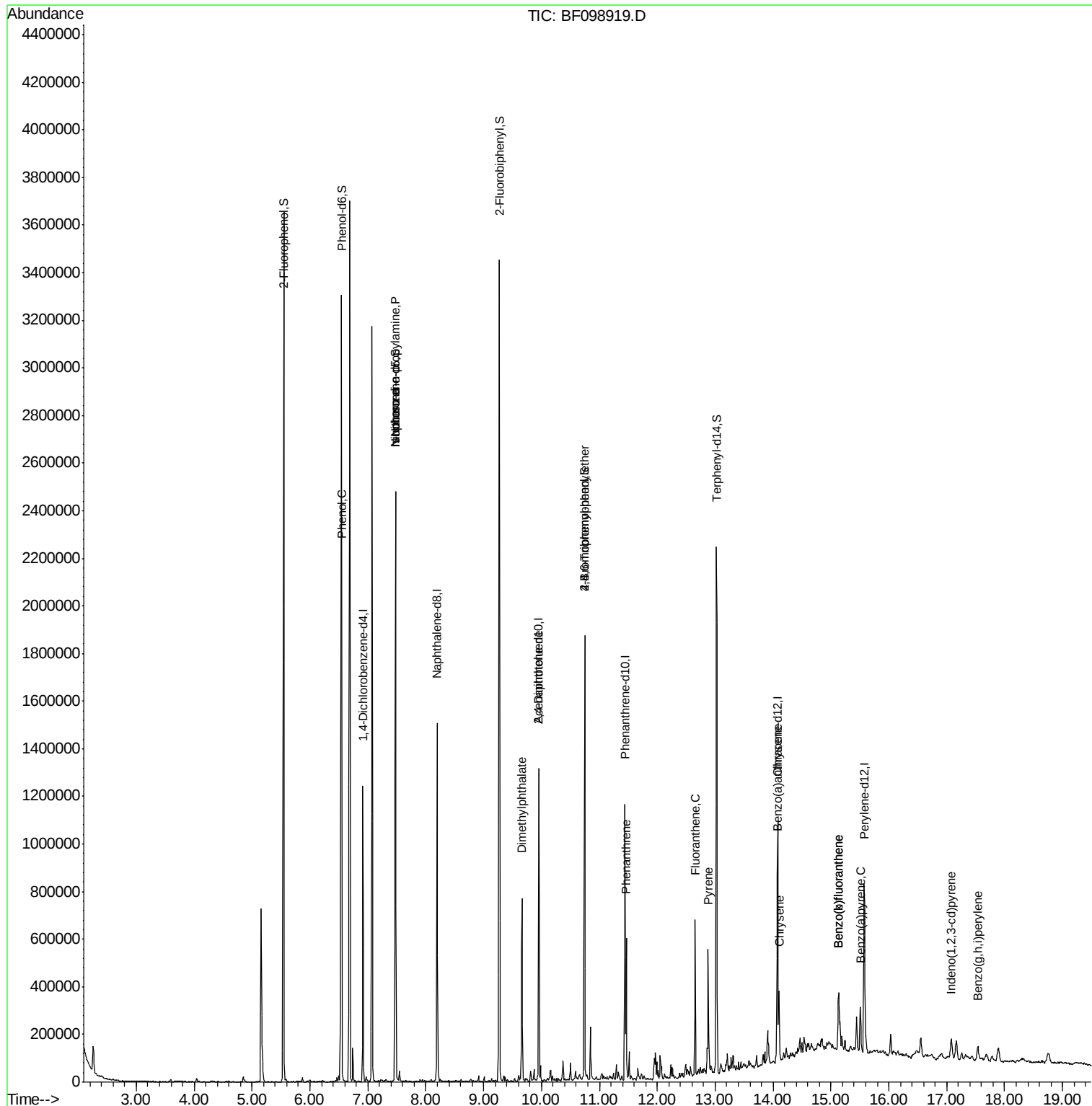
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1176253	116.01	ng	0.00
7) Phenol-d6	6.55	99	1435854	114.80	ng	0.00
23) Nitrobenzene-d5	7.48	82	872936	86.47	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	211292	98.47	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1152730	73.39	ng	0.00
78) Terphenyl-d14	13.02	244	675943	57.53	ng	-0.01

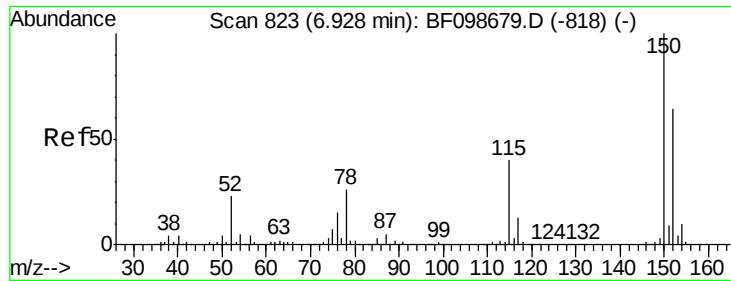
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	37204	2.66	ng	99
19) n-Nitroso-di-n-propylamine	7.48	70	116727	14.62	ng	# 76
25) Isophorone	7.48	82	868413	41.61	ng	# 64
49) Dimethylphthalate	9.66	163	279474	14.12	ng	100
56) 2,4-Dinitrotoluene	9.95	165	34381	6.15	ng	# 23
66) 4-Bromophenyl-phenylether	10.75	248	14932	4.02	ng	# 1
70) Phenanthrene	11.46	178	194803	9.58	ng	99
74) Fluoranthene	12.65	202	233955	11.36	ng	100
77) Pyrene	12.88	202	208096	10.21	ng	97
80) Benzo(a)anthracene	14.07	228	100890	6.24	ng	98
82) Chrysene	14.10	228	91355	5.93	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	49666	4.03	ng	99
87) Benzo(b)fluoranthene	15.13	252	166134	9.52	ng	# 96
88) Benzo(k)fluoranthene	15.13	252	166134	9.64	ng	97
89) Benzo(a)pyrene	15.51	252	88396	5.52	ng	96
91) Benzo(g,h,i)perylene	17.54	276	46080	3.64	ng	93

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

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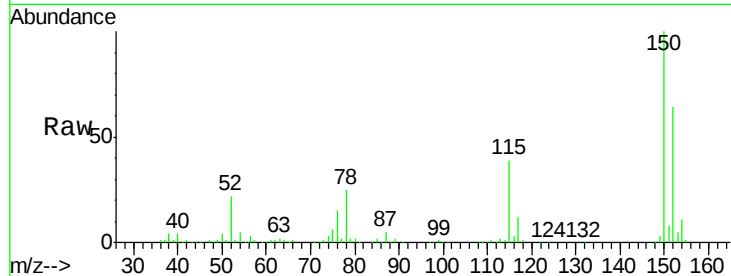


#1

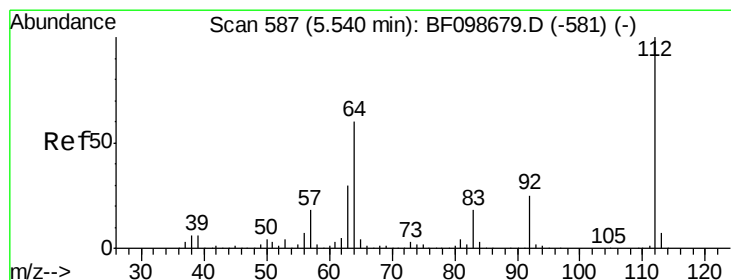
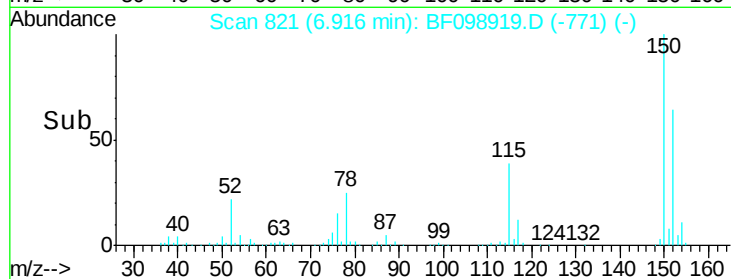
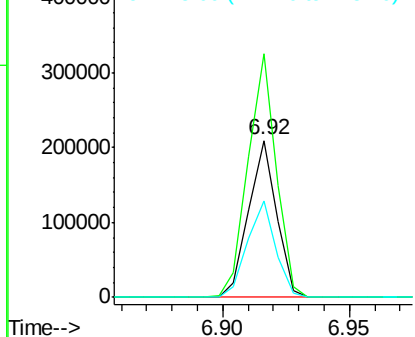
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161402
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 61.3 50.1 75.1



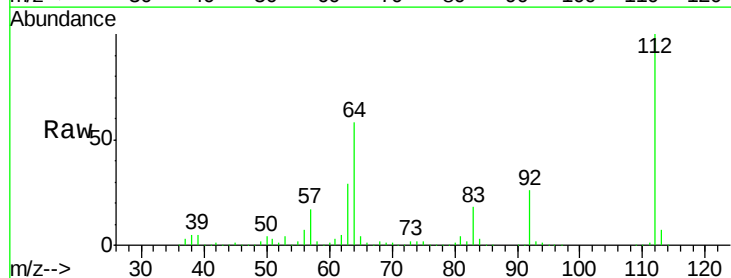
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



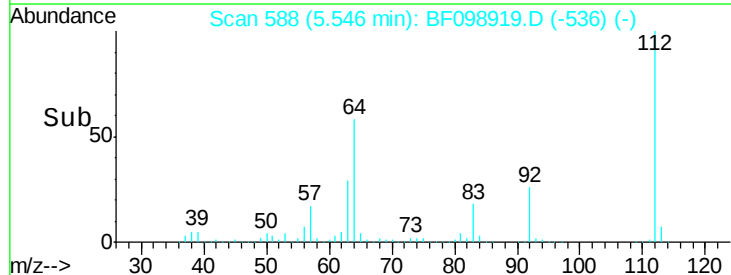
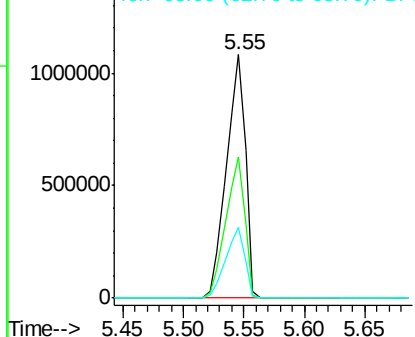
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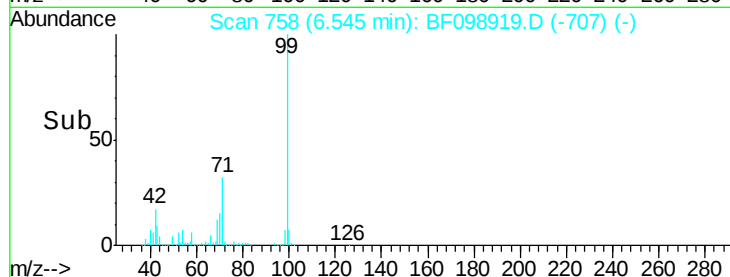
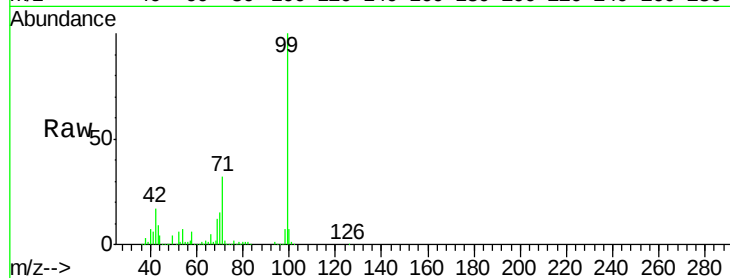
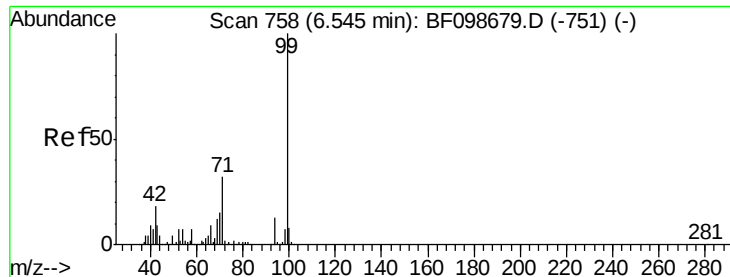
2-Fluorophenol
Concen: 116.01 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion:112 Resp: 1176253
Ion Ratio Lower Upper
112 100
64 58.0 47.9 71.9
63 29.1 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: 114.80 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

Instrument :

BNA_F

ClientSampleId :

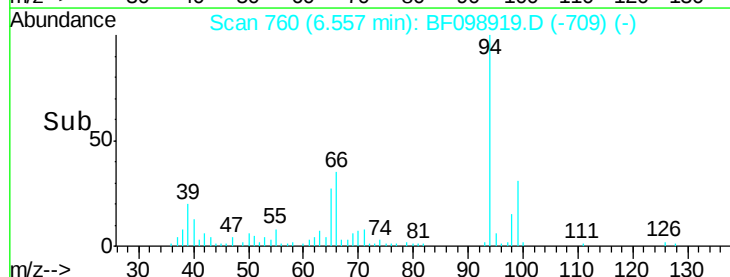
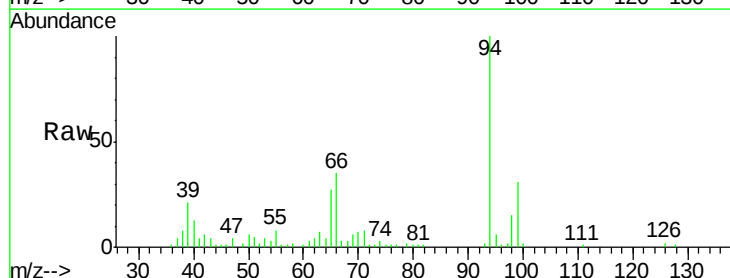
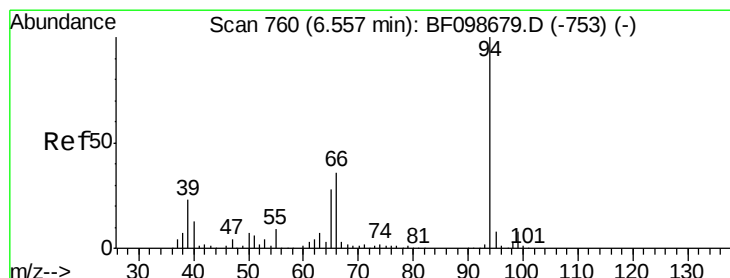
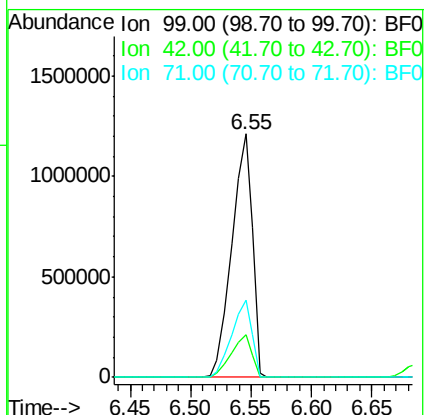
Tot Ion: 99 Resp: 1435854

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

71 32.0 25.4 38.0



#10

Phenol

Concen: 2.66 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

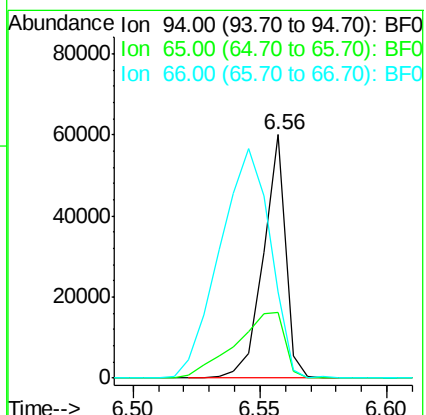
Tgt Ion: 94 Resp: 37204

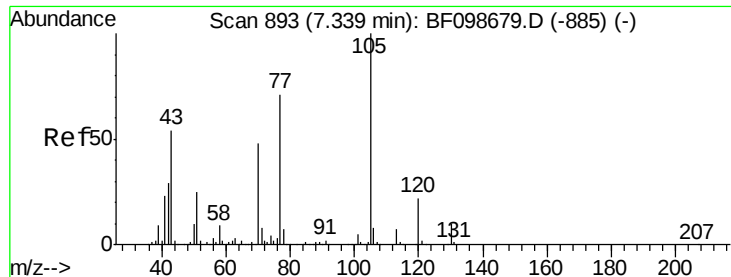
Ion Ratio Lower Upper

94 100

65 27.2 7.9 47.9

66 35.4 16.2 56.2

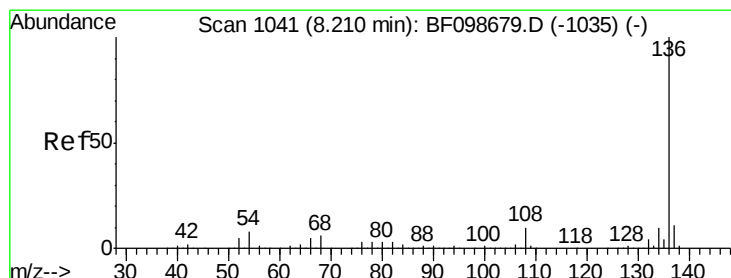
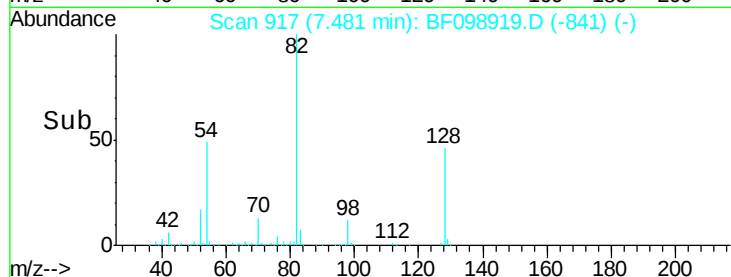
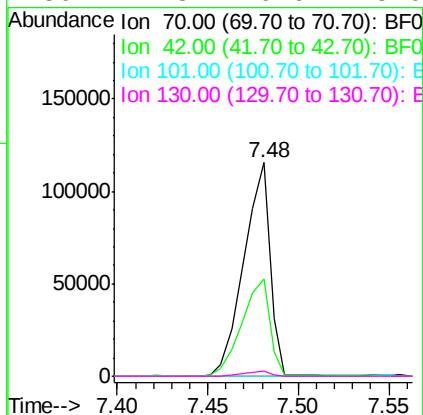
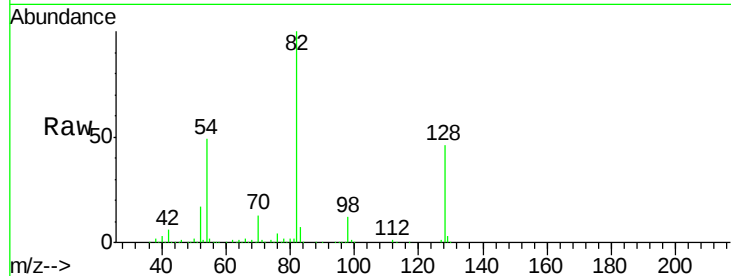




#19
n-Nitroso-di-n-propylamine
Concen: 14.62 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.15 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

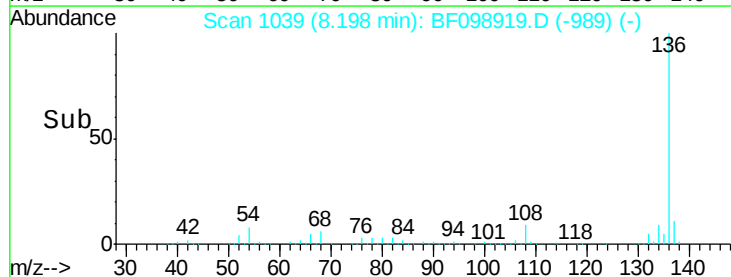
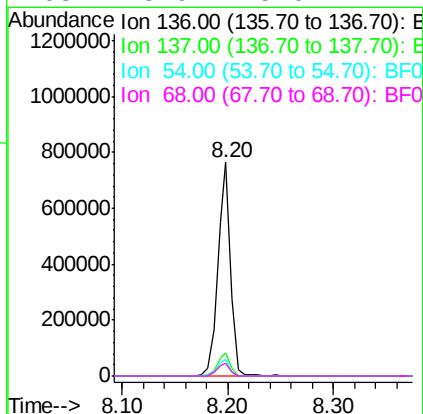
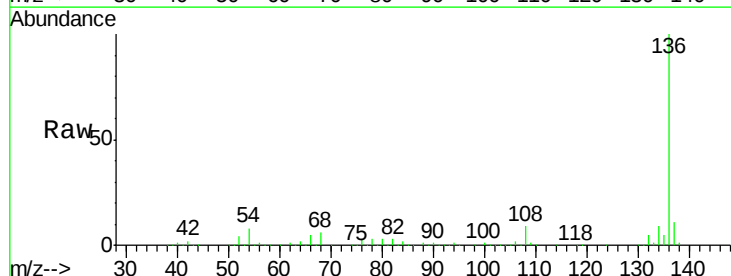
Instrument :
BNA_F
ClientSampleId :

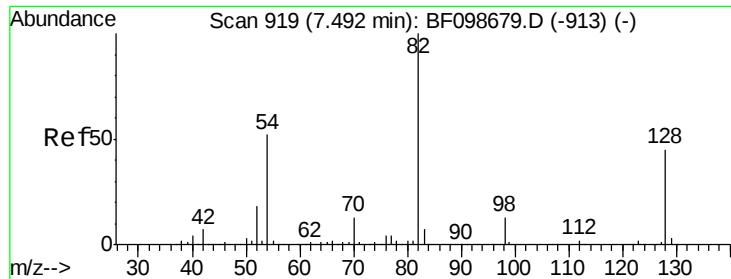
Tot Ion: 70 Resp: 116727
Ion Ratio Lower Upper
70 100
42 45.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion: 136 Resp: 647383
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.6 6.6 9.8
68 5.9 5.0 7.4

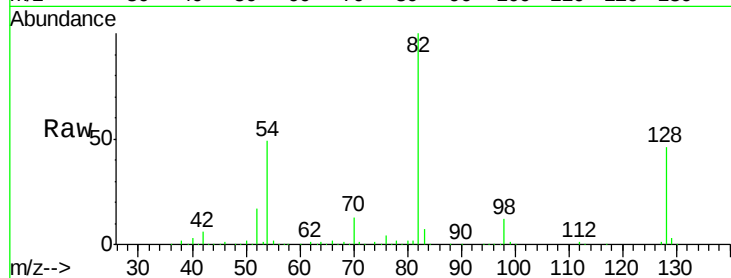




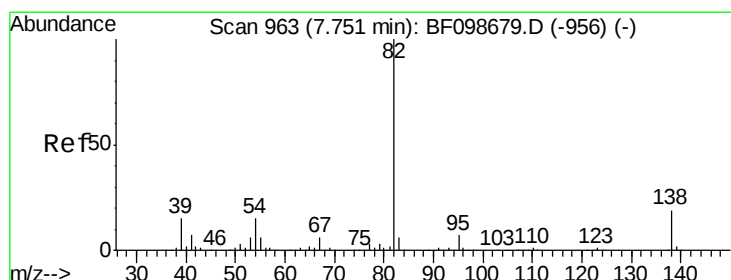
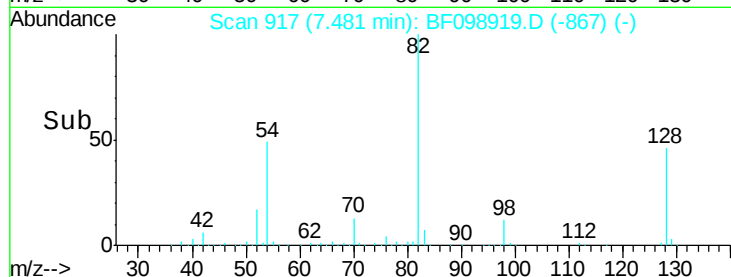
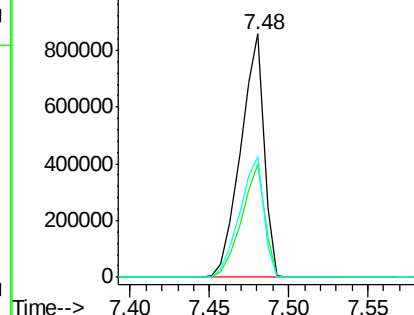
#23
Nitrobenzene-d5
Concen: 86.47 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 872936
Ion Ratio Lower Upper
82 100
128 46.3 36.1 54.1
54 49.4 41.4 62.2

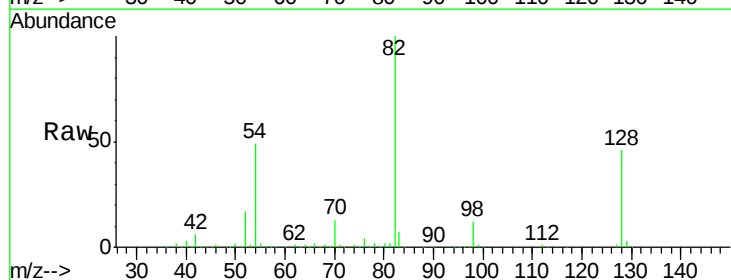


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

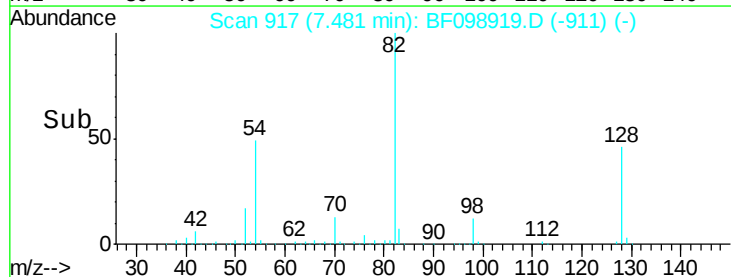
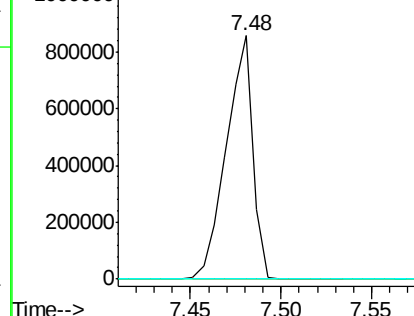


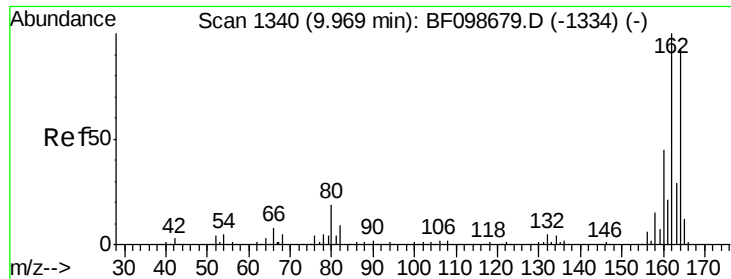
#25
Isophorone
Concen: 41.61 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.26 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion: 82 Resp: 868413
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

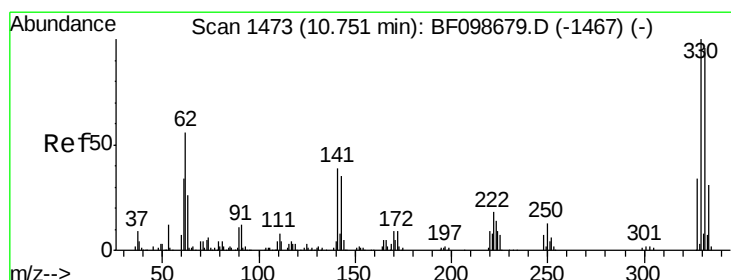
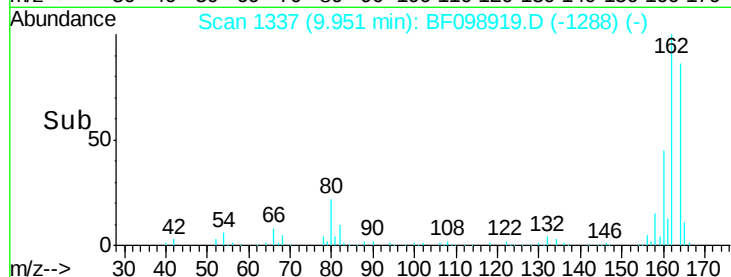
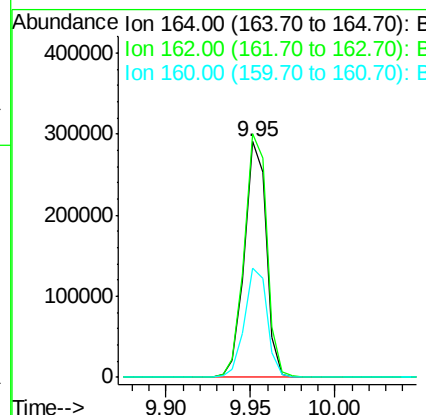
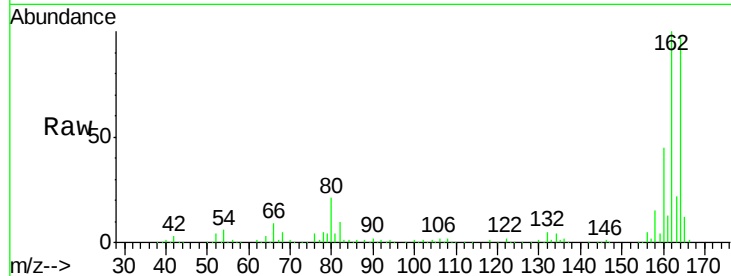




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098919.D
 Acq: 28 Sep 2017 21:03

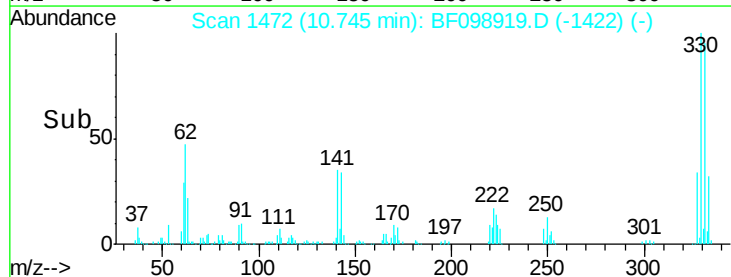
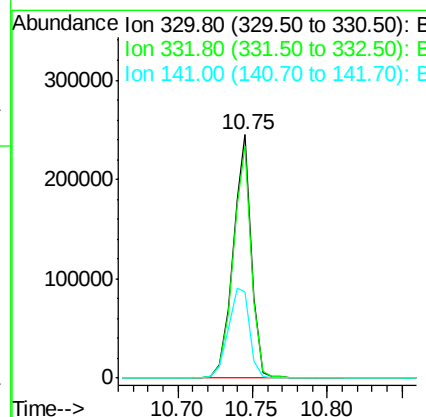
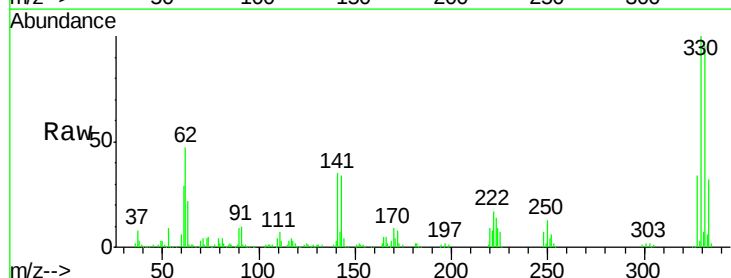
Instrument :
 BNA_F
 ClientSampleId :

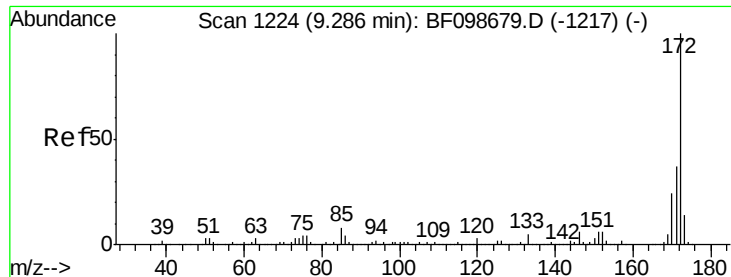
Tot Ion:164 Resp: 262223
 Ion Ratio Lower Upper
 164 100
 162 103.4 86.1 129.1
 160 46.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 98.47 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098919.D
 Acq: 28 Sep 2017 21:03

Tgt Ion:330 Resp: 211292
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 43.9 29.9 44.9

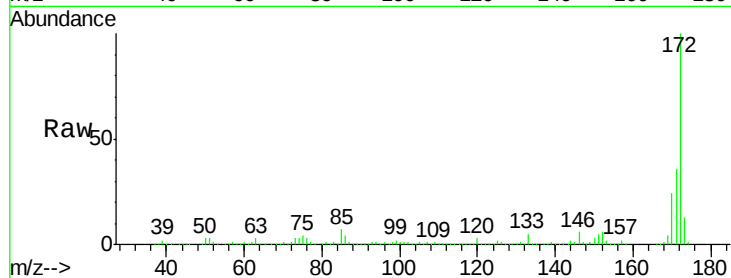




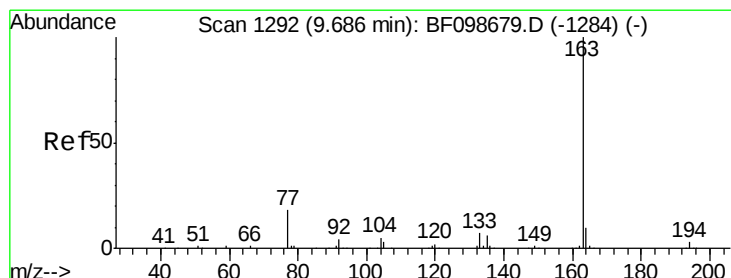
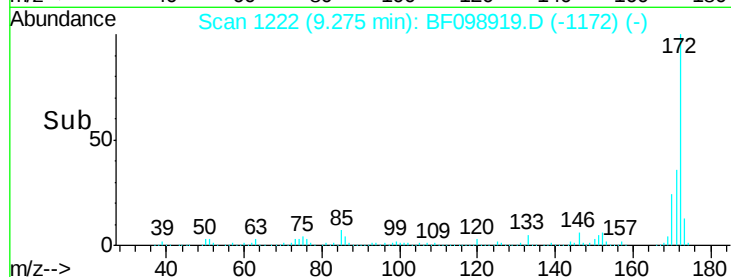
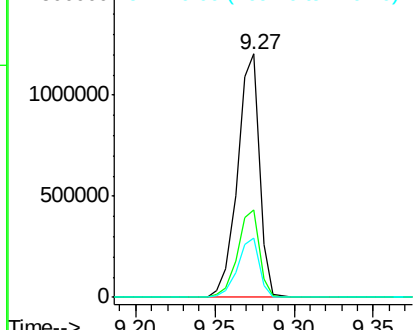
#44
2-Fluorobiphenyl
Concen: 73.39 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1152730
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.5 19.6 29.4

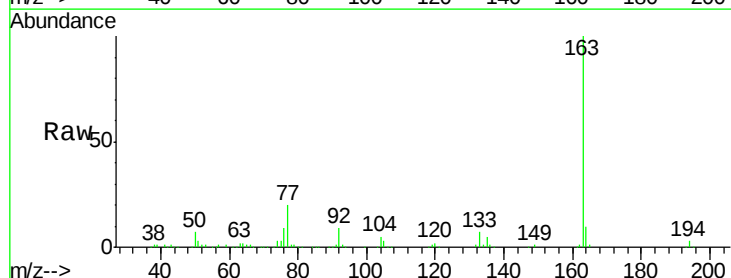


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

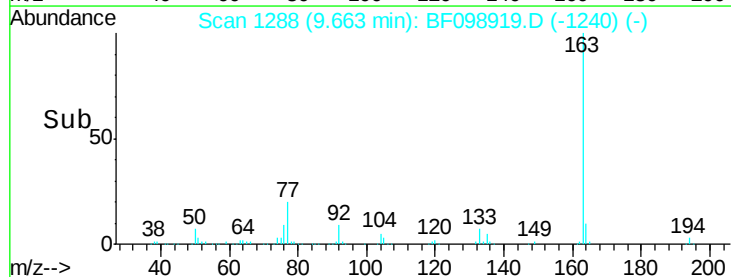
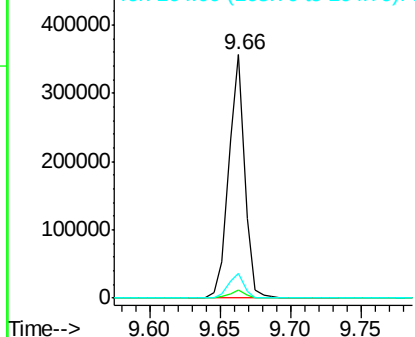


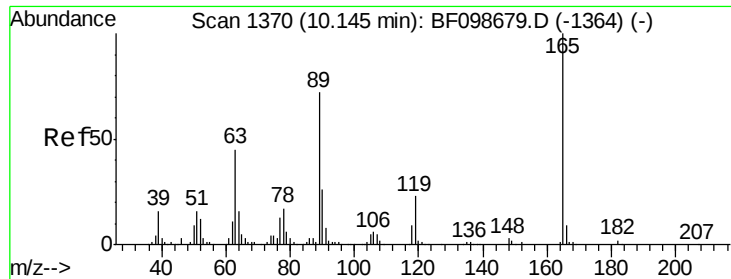
#49
Dimethylphthalate
Concen: 14.12 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion:163 Resp: 279474
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.1 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

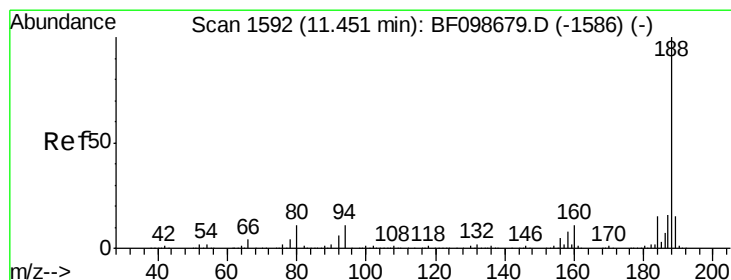
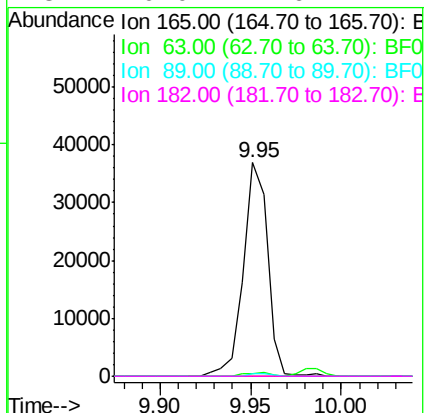
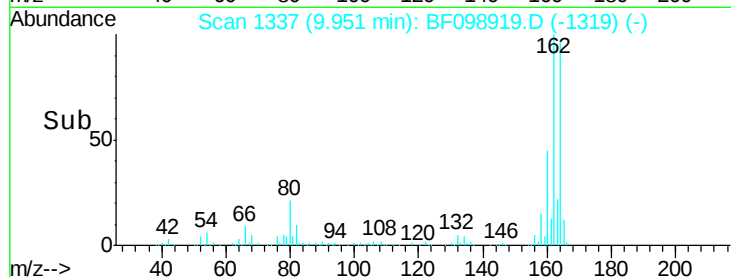
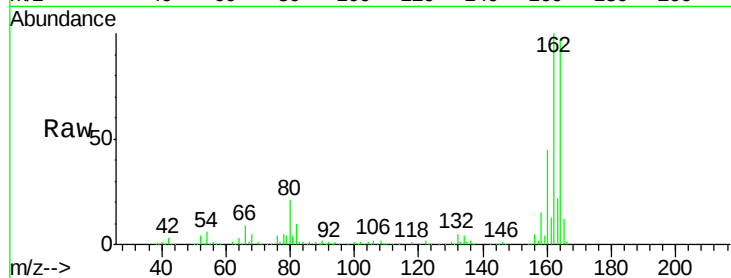




#56
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

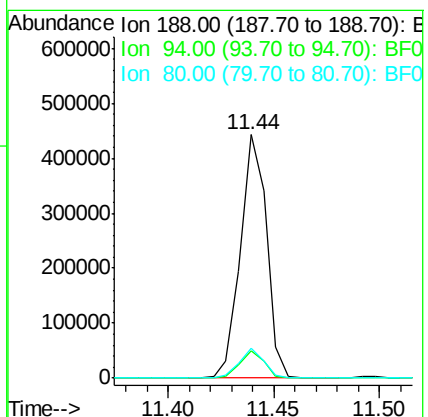
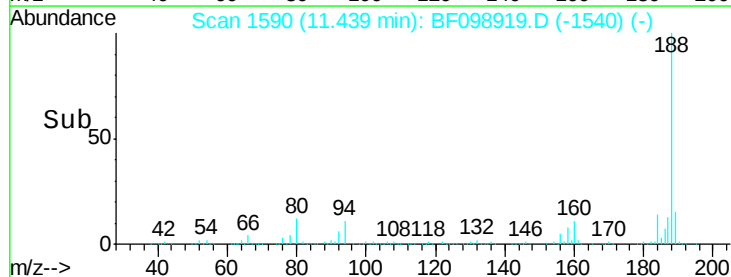
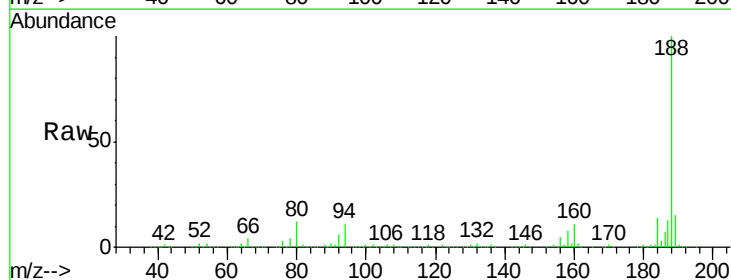
Instrument :
BNA_F
ClientSampled :

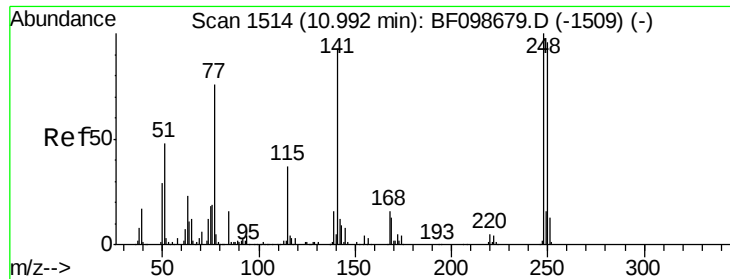
Tot Ion:165 Resp: 34381
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion:188 Resp: 379852
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.3 9.2 13.8

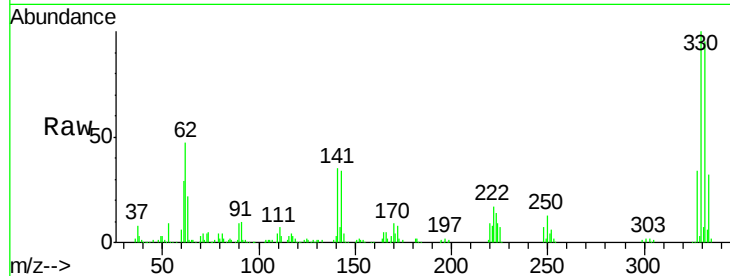




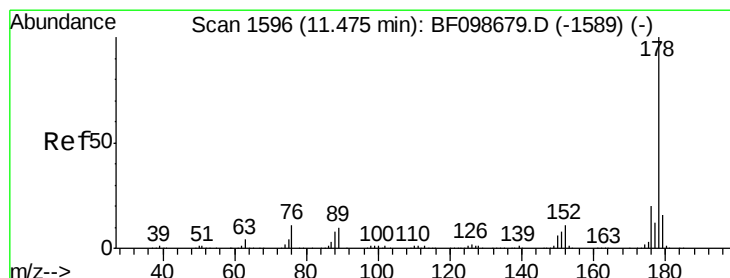
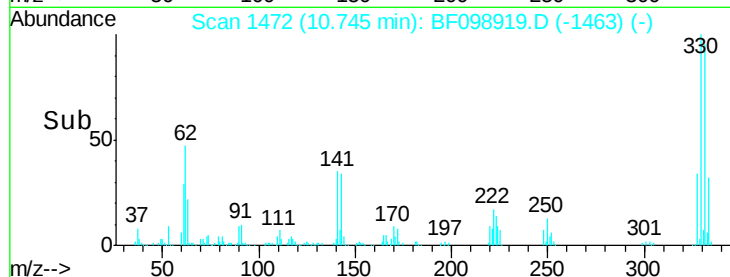
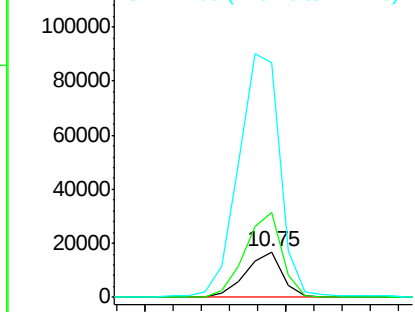
#66
 4-Bromophenyl-phenylether
 Concen: 4.02 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.25 min
 Lab File: BF098919.D
 Acq: 28 Sep 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14932
 Ion Ratio Lower Upper
 248 100
 250 184.8 76.9 115.3#
 141 512.0 74.4 111.6#

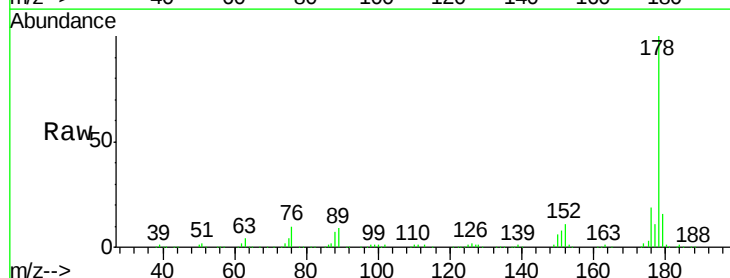


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

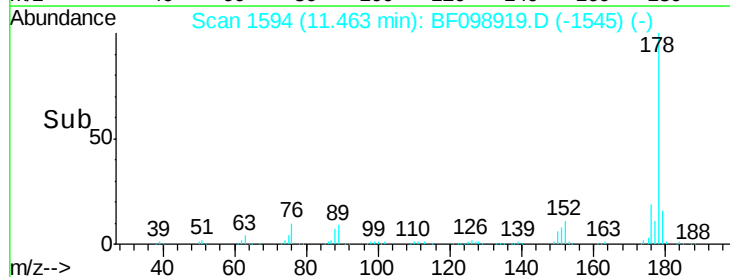
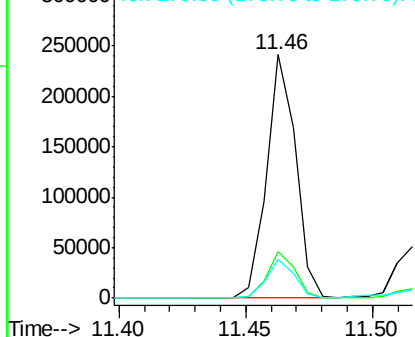


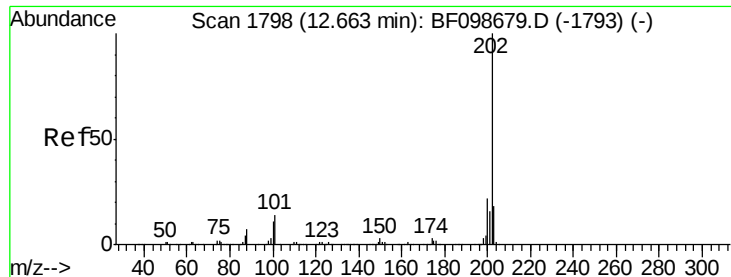
#70
 Phenanthrene
 Concen: 9.58 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF098919.D
 Acq: 28 Sep 2017 21:03

Tgt Ion:178 Resp: 194803
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.8 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: 11.36 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

Instrument :

BNA_F

ClientSampleId :

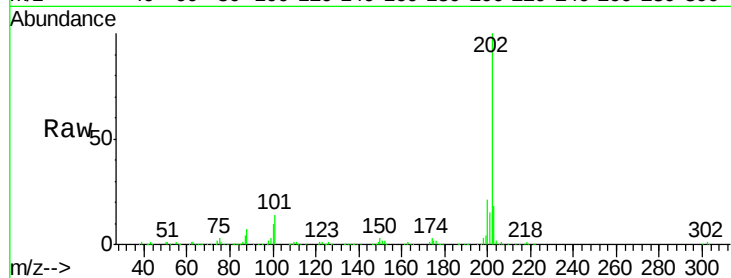
Tot Ion:202 Resp: 233955

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

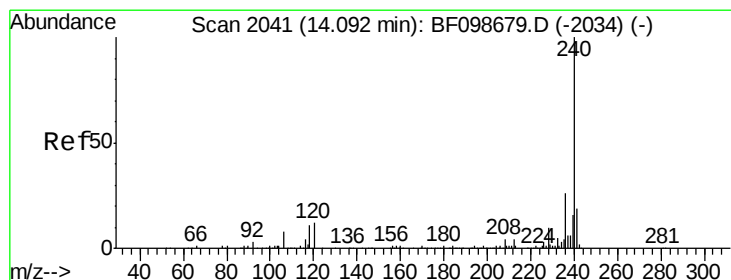
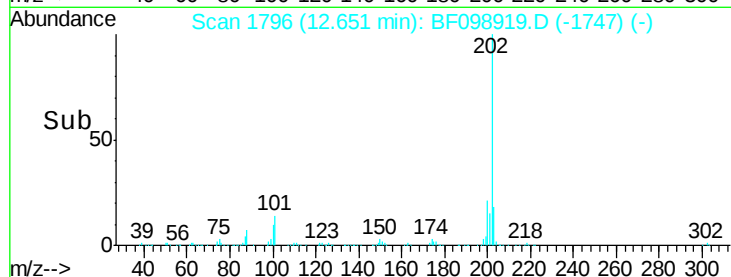
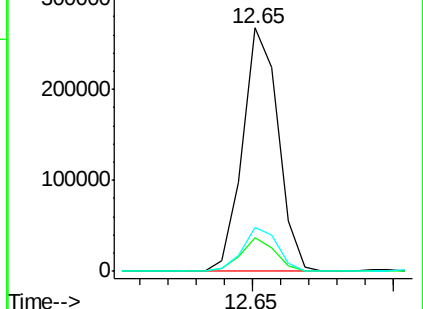
203 17.9 0.0 38.1



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: BF098919.D

Acq: 28 Sep 2017 21:03

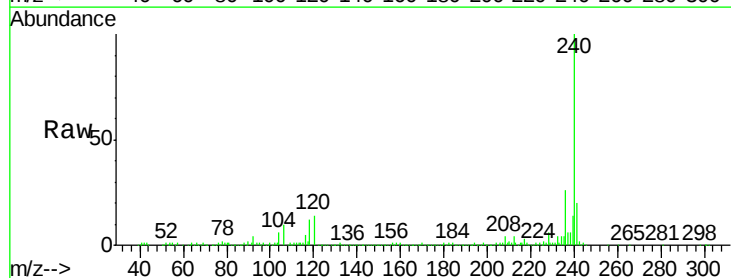
Tgt Ion:240 Resp: 267197

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

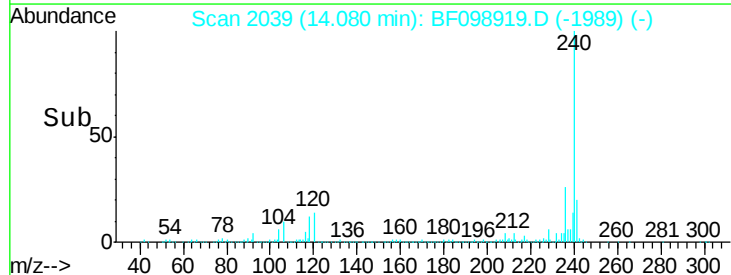
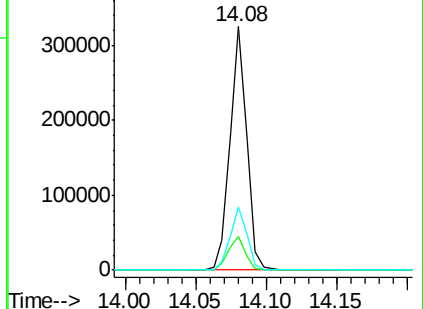
236 26.1 20.7 31.1

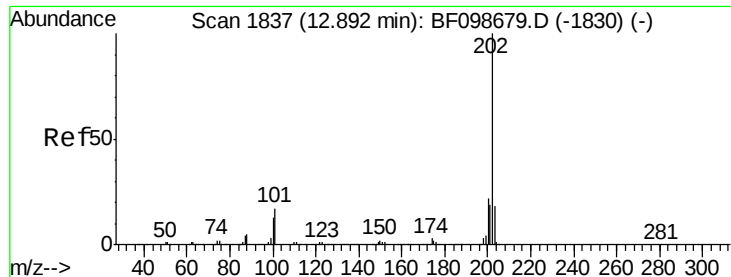


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.21 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

Instrument :

BNA_F

ClientSampleId :

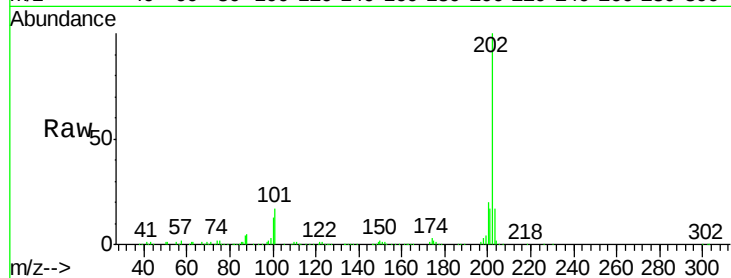
Tot Ion:202 Resp: 208096

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

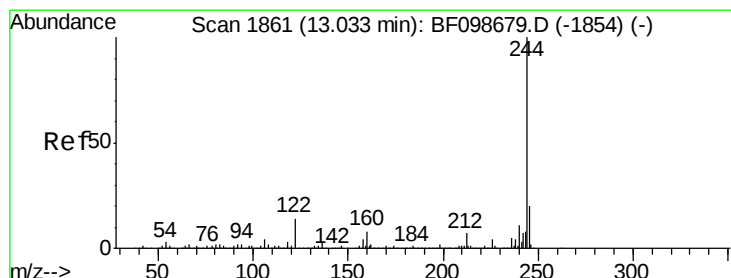
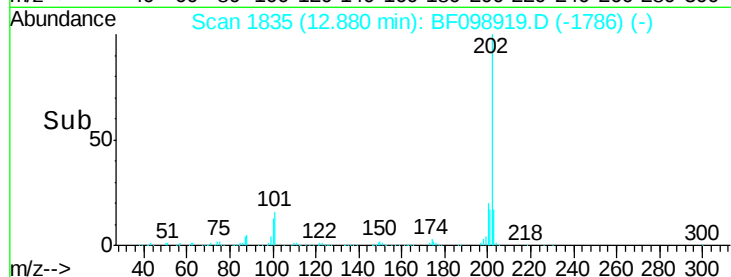
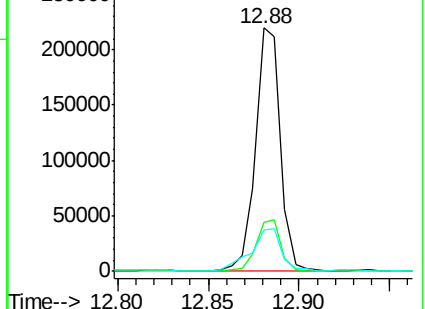
203 17.1 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 57.53 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

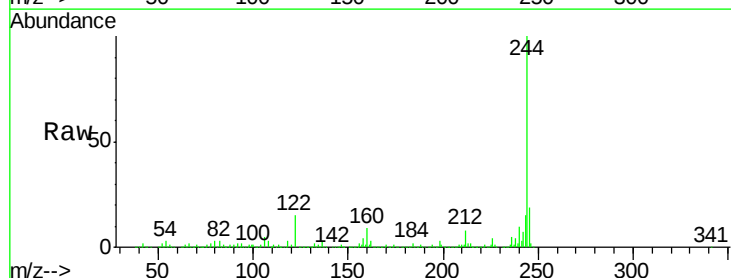
Tgt Ion:244 Resp: 675943

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

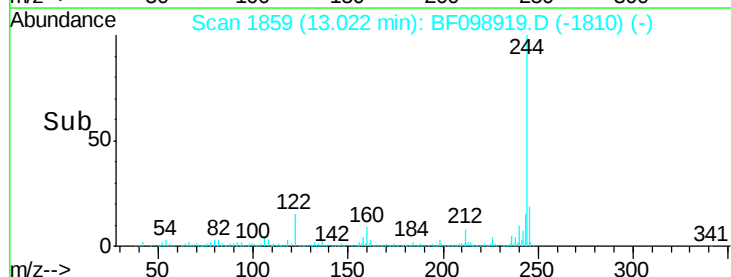
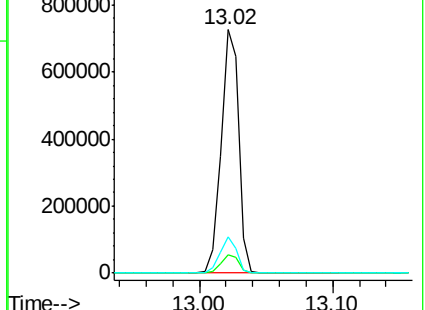
122 14.8 11.0 16.4

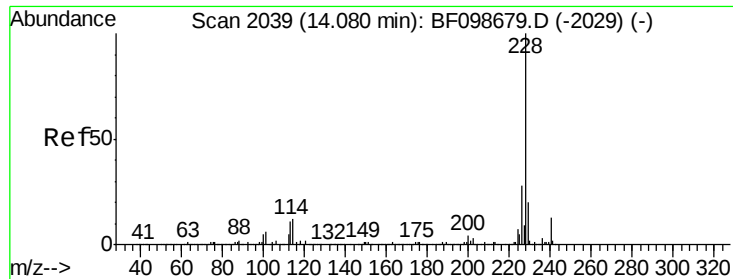


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

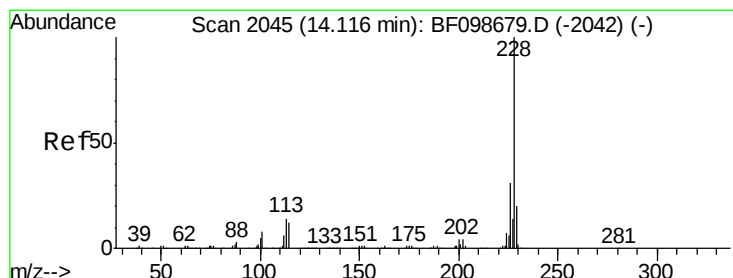
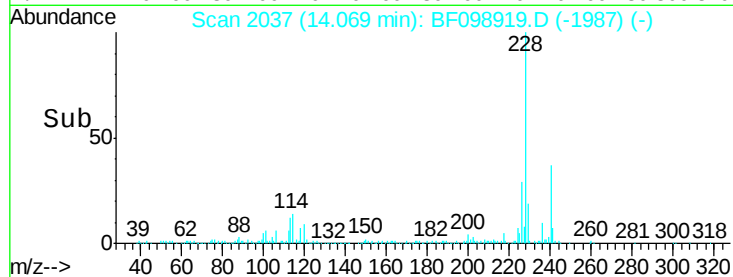
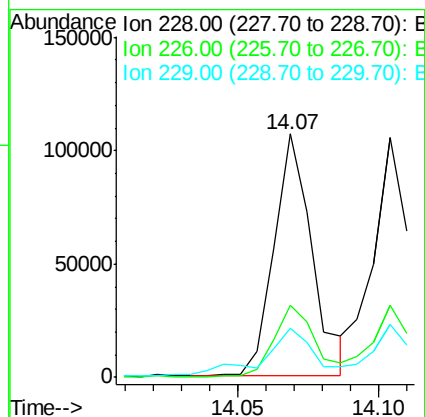
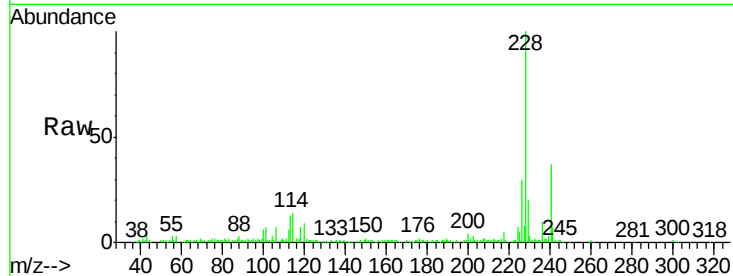




#80
Benzo(a)anthracene
Concen: 6.24 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

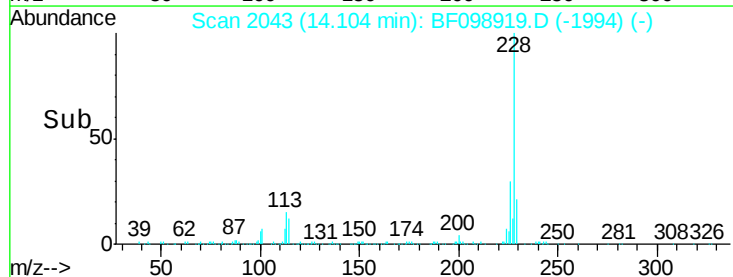
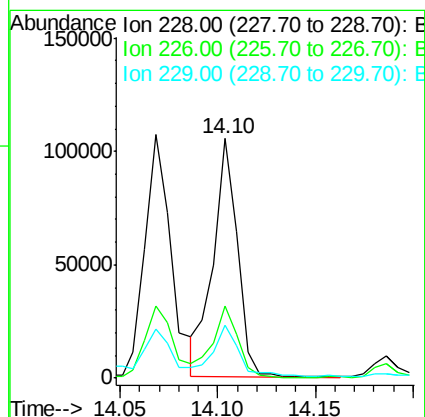
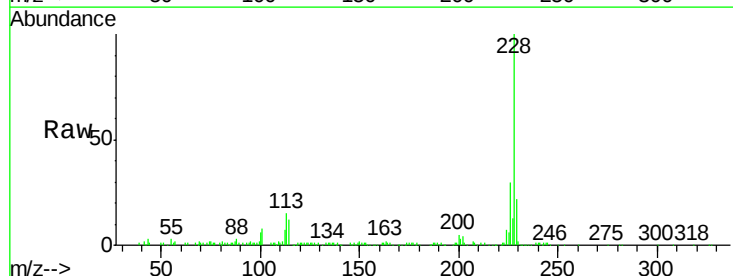
Instrument :
BNA_F
ClientSampled :

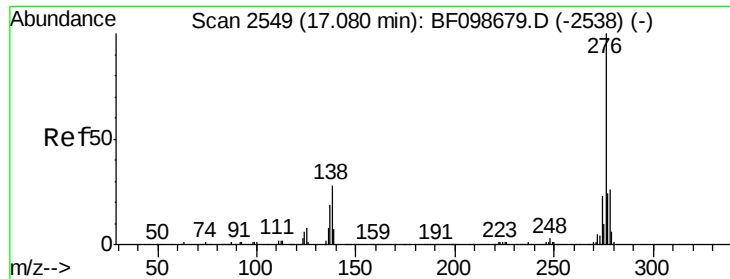
Tot Ion:228 Resp: 100890
Ion Ratio Lower Upper
228 100
226 29.5 22.6 33.8
229 20.2 15.8 23.6



#82
Chrysene
Concen: 5.93 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098919.D
Acq: 28 Sep 2017 21:03

Tgt Ion:228 Resp: 91355
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.0 16.2 24.4

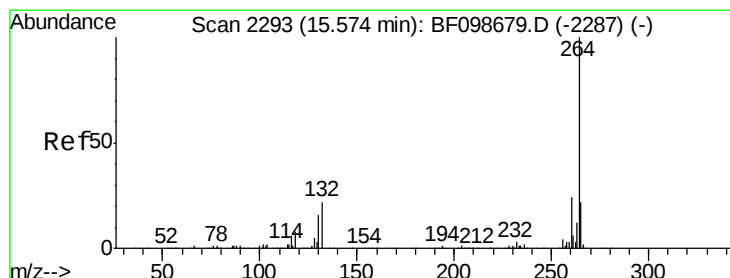
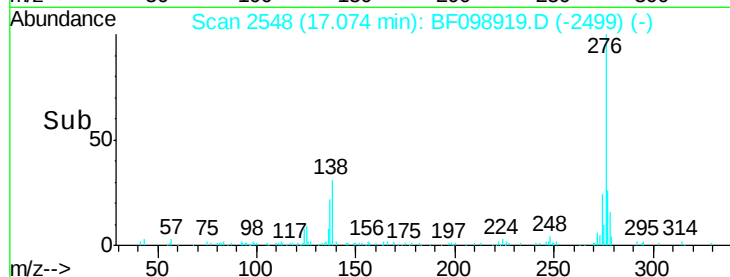
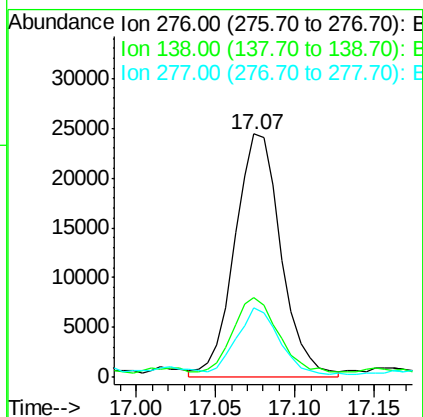
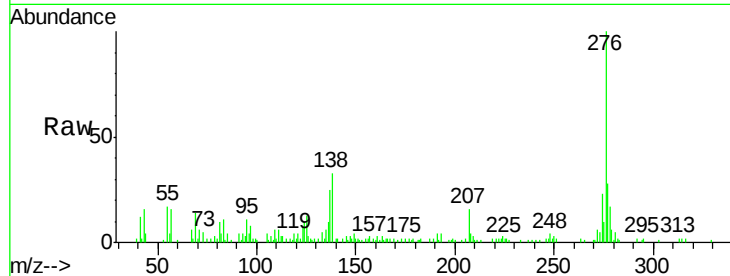




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.03 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF098919.D
 Acq: 28 Sep 2017 21:03

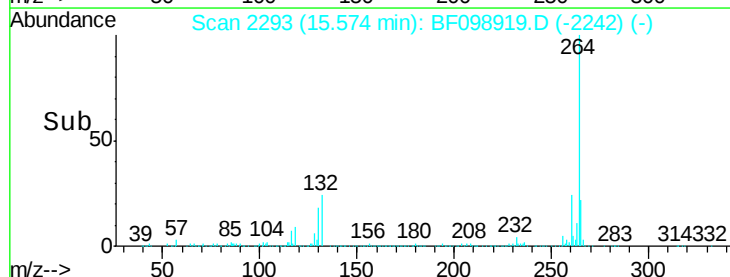
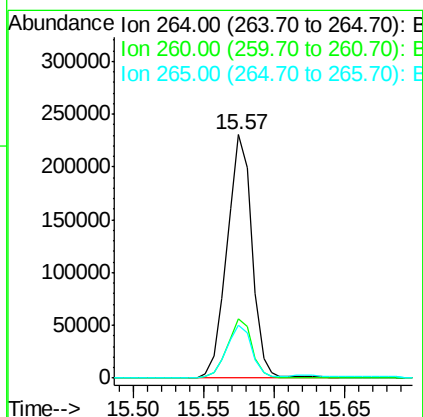
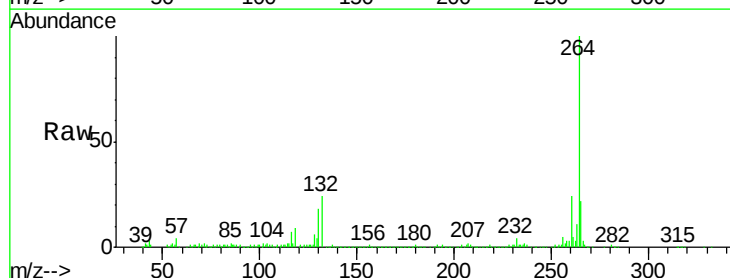
Instrument :
 BNA_F
 ClientSampleId :

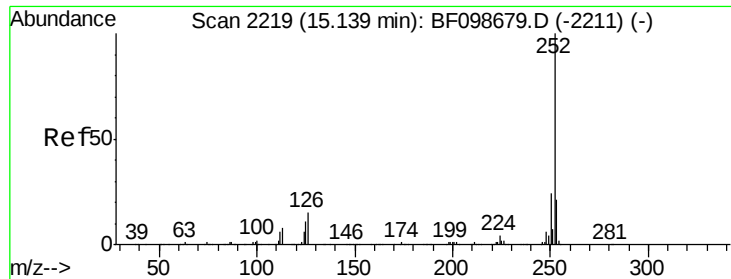
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	24.6	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BF098919.D
 Acq: 28 Sep 2017 21:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.52 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

Instrument :

BNA_F

ClientSampleId :

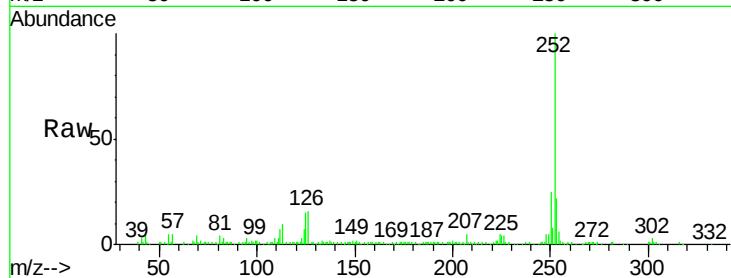
Tot Ion:252 Resp: 166134

Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.6

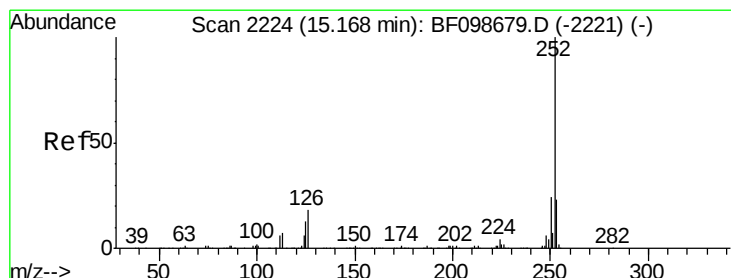
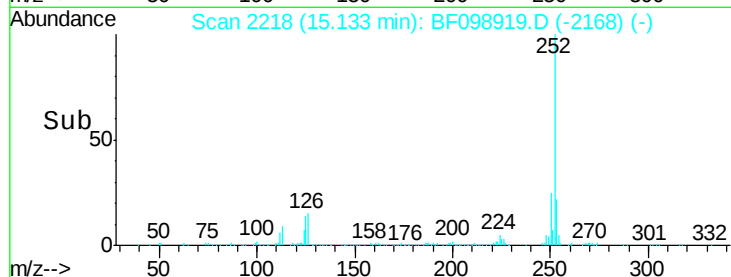
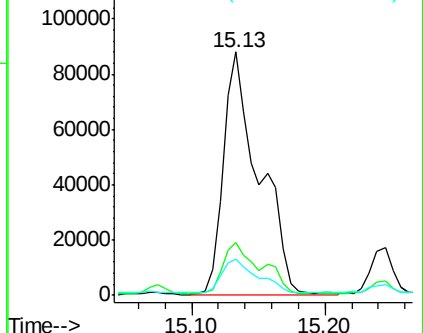
125 14.8 9.0 13.6#



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: 9.64 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.04 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

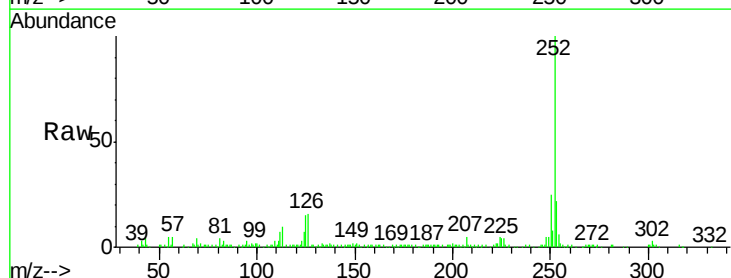
Tgt Ion:252 Resp: 166134

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

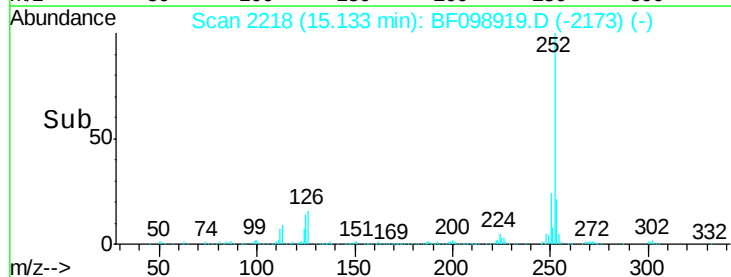
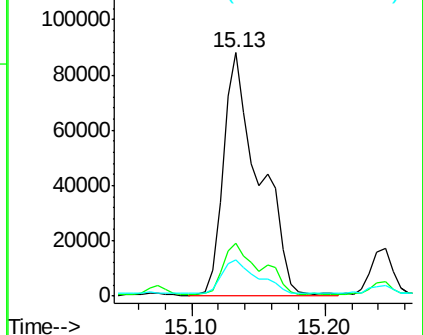
125 14.8 10.2 15.2

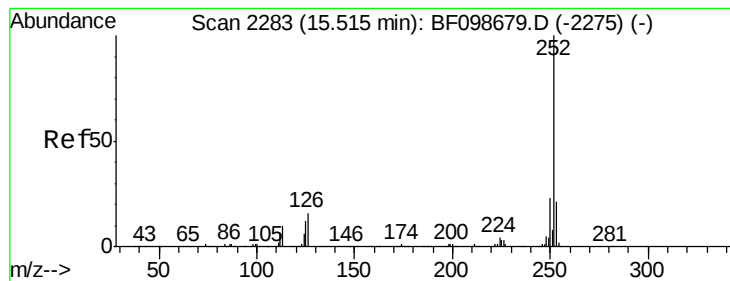


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.52 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

Instrument :

BNA_F

ClientSampleId :

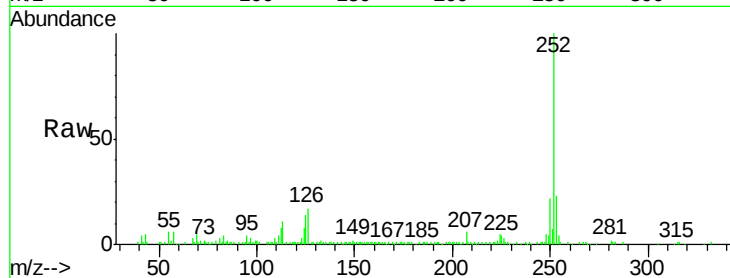
Tot Ion:252 Resp: 88396

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

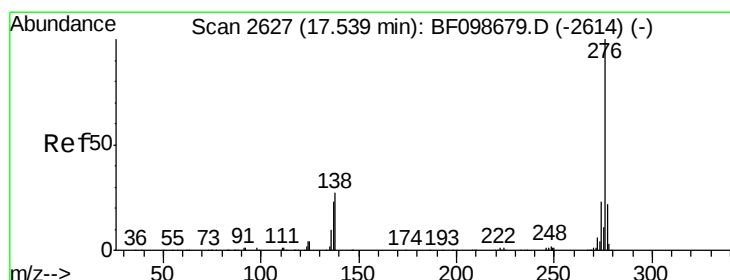
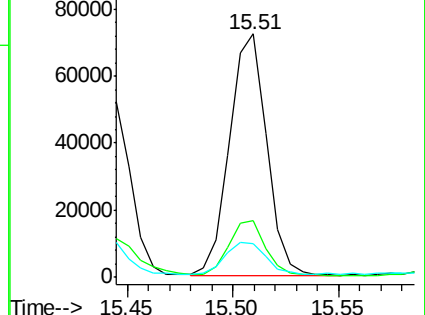
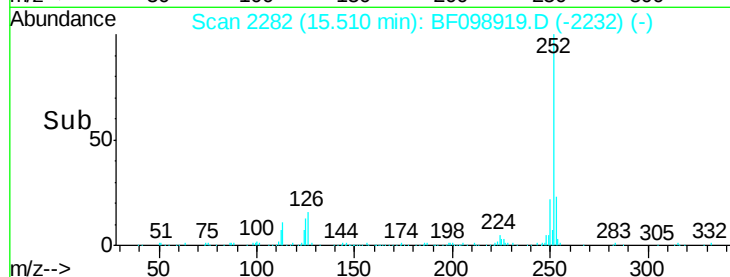
125 14.0 9.8 14.6



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(g,h,i)perylene

Concen: 3.64 ng

RT: 17.54 min Scan# 2627

Delta R.T. -0.01 min

Lab File: BF098919.D

Acq: 28 Sep 2017 21:03

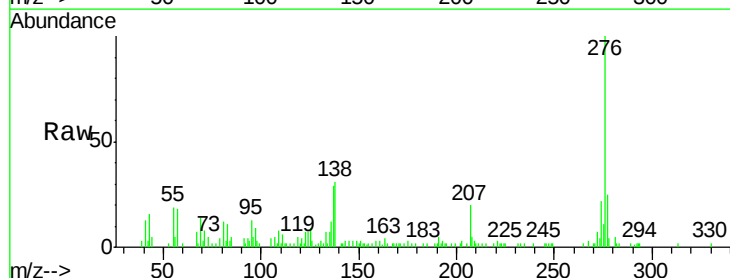
Tgt Ion:276 Resp: 46080

Ion Ratio Lower Upper

276 100

277 25.3 17.9 26.9

138 31.2 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

