

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
 Data File : BF098833.D
 Acq On : 26 Sep 2017 15:40
 Operator : SJ/JU
 Sample : I5363-03 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 27 00:46:02 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

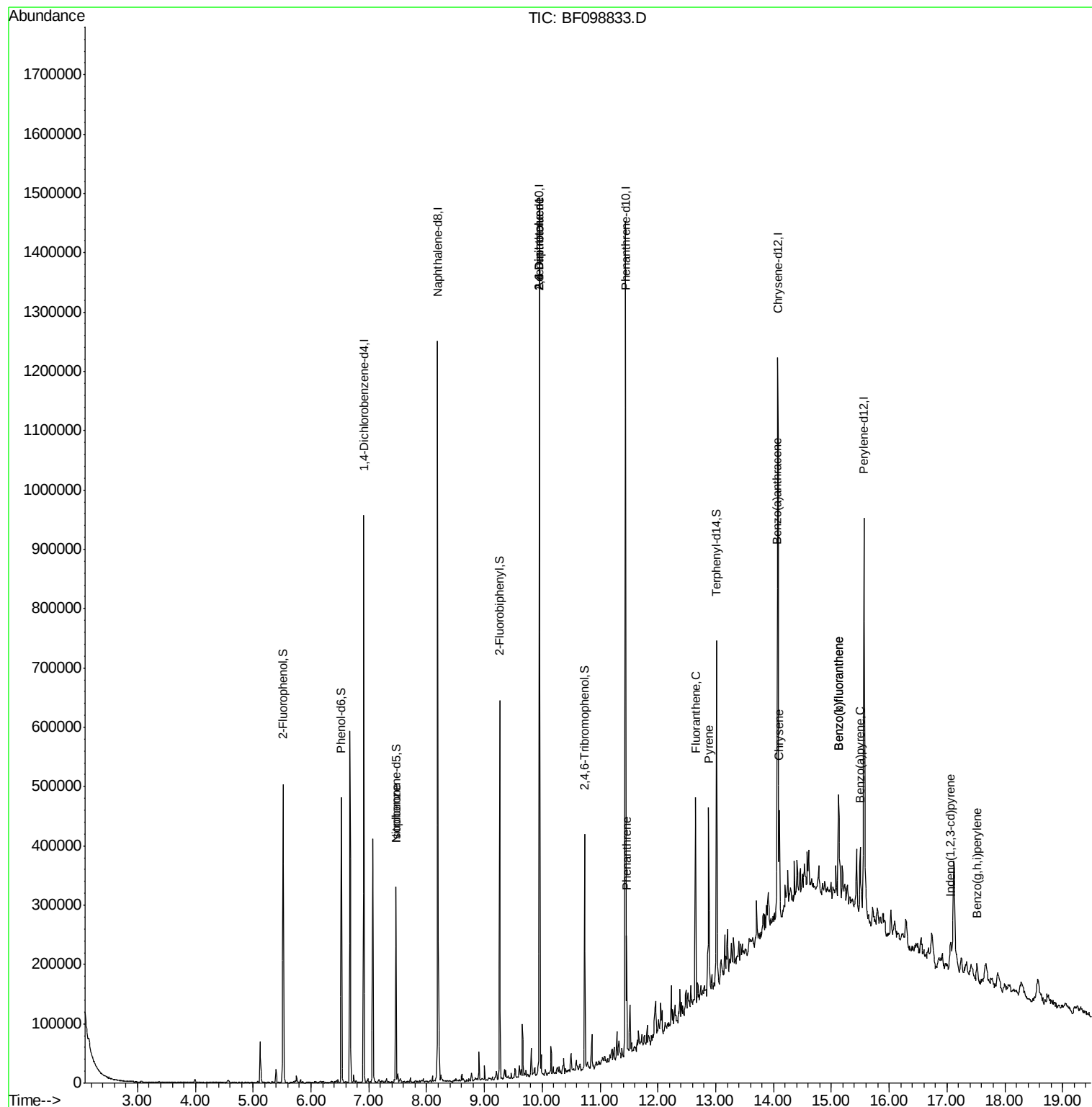
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	132262	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	553927	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	258578	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	455893	20.00	ng	0.00
75) Chrysene-d12	14.07	240	289968	20.00	ng	-0.01
86) Perylene-d12	15.57	264	281237	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	125890	15.15	ng	-0.02
7) Phenol-d6	6.52	99	154334	15.06	ng	-0.02
23) Nitrobenzene-d5	7.47	82	88976	10.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	30802	14.56	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	187619	12.11	ng	-0.02
78) Terphenyl-d14	13.02	244	152839	11.99	ng	-0.02
Target Compounds						
25) Isophorone	7.47	82	88975	4.98	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	33300	7.84	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	33300	6.04	ng	# 24
70) Phenanthrene	11.46	178	69312	2.84	ng	98
74) Fluoranthene	12.65	202	126620	5.12	ng	96
77) Pyrene	12.88	202	115432	5.22	ng	97
80) Benzo(a)anthracene	14.06	228	58709	3.34	ng	94
82) Chrysene	14.10	228	63680	3.81	ng	98
85) Indeno(1,2,3-cd)pyrene	17.06	276	28078	2.10	ng	99
87) Benzo(b)fluoranthene	15.13	252	111983	6.48	ng	# 89
88) Benzo(k)fluoranthene	15.13	252	111983	6.56	ng	# 92
89) Benzo(a)pyrene	15.50	252	48780	3.07	ng	# 89
91) Benzo(a,h,i)perylene	17.52	276	27900	2.22	ng	# 88

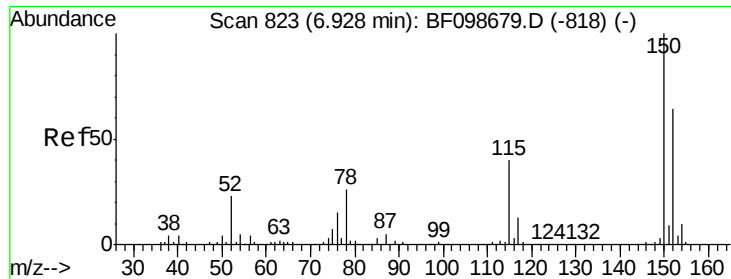
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF098833.D

Acq: 26 Sep 2017 15:40

Instrument :

BNA_F

ClientSampleId :

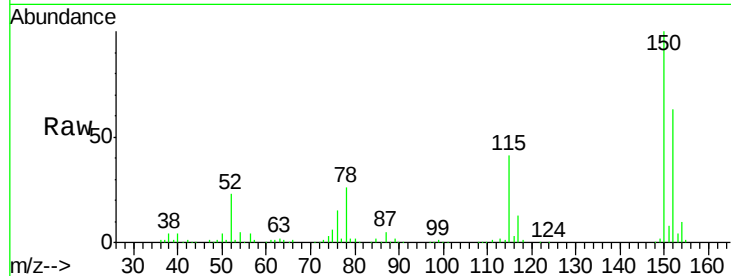
Tot Ion:152 Resp: 132262

Ion Ratio Lower Upper

152 100

150 159.4 124.6 186.8

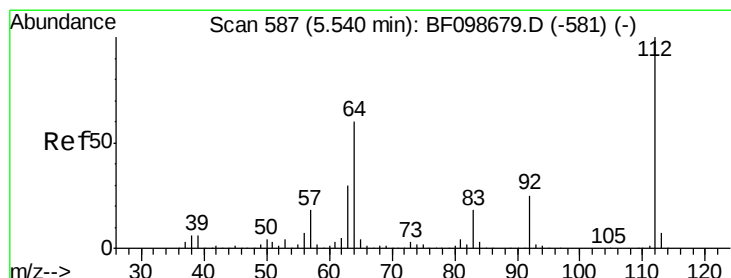
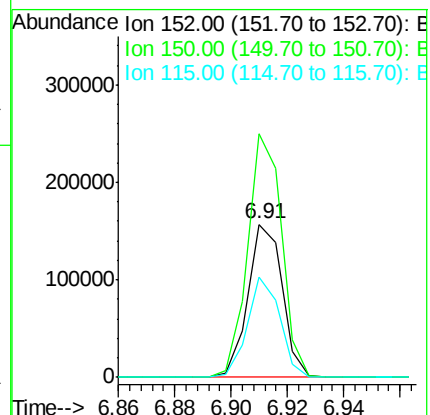
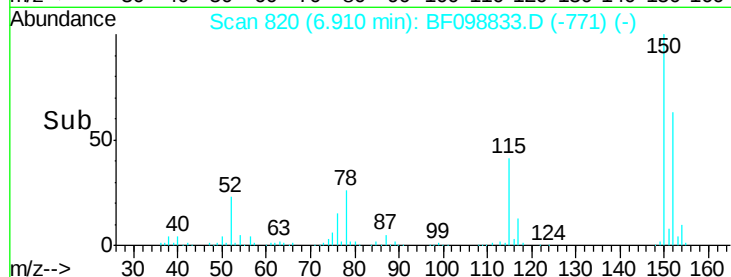
115 65.9 50.1 75.1



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: 15.15 ng

RT: 5.52 min Scan# 583

Delta R.T. -0.02 min

Lab File: BF098833.D

Acq: 26 Sep 2017 15:40

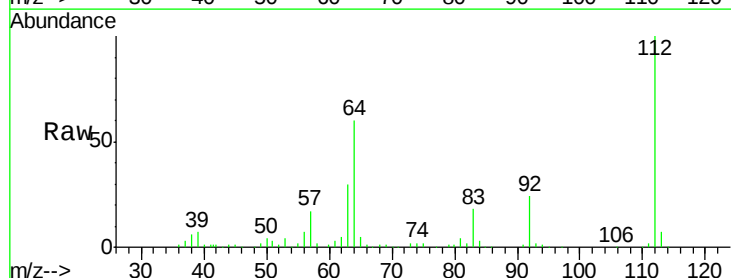
Tgt Ion:112 Resp: 125890

Ion Ratio Lower Upper

112 100

64 59.8 47.9 71.9

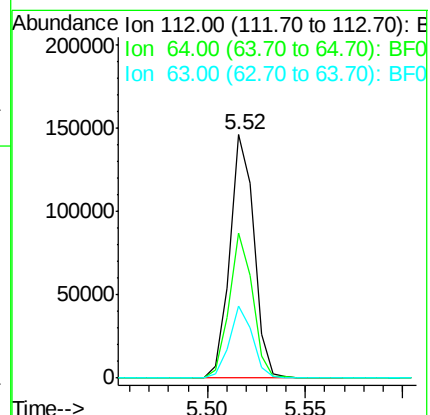
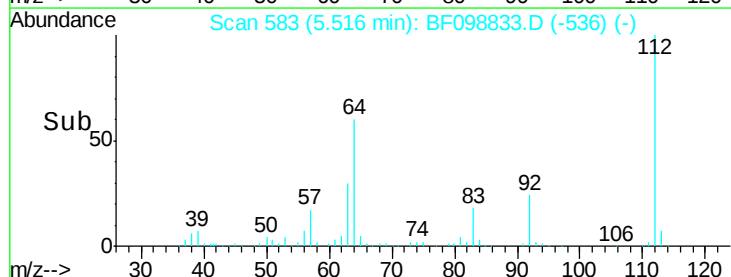
63 29.7 23.7 35.5

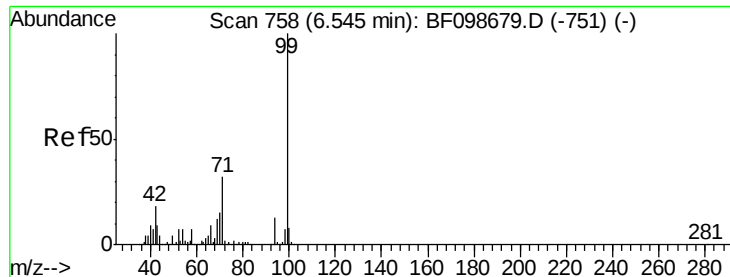


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 15.06 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF098833.D

Acq: 26 Sep 2017 15:40

Instrument :

BNA_F

ClientSampleId :

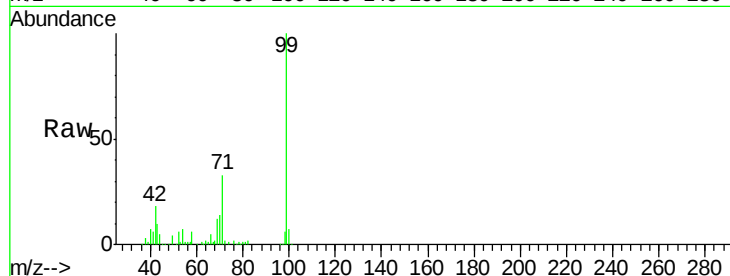
Tot Ion: 99 Resp: 154334

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

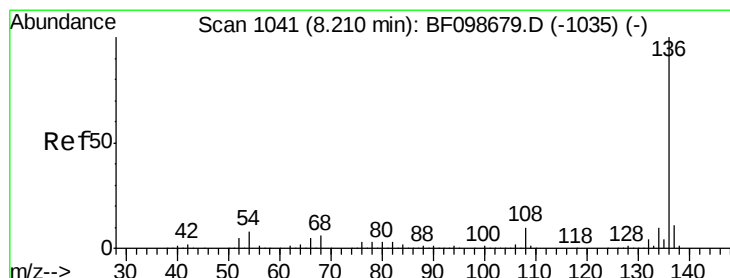
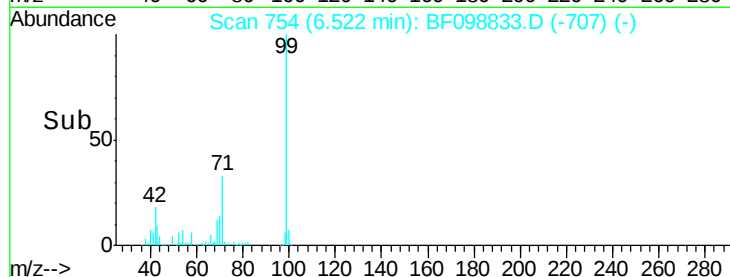
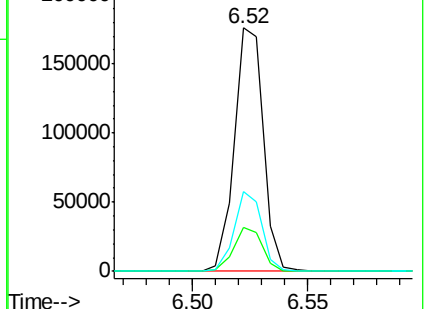
71 32.7 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF098833.D

Acq: 26 Sep 2017 15:40

Tgt Ion: 136 Resp: 553927

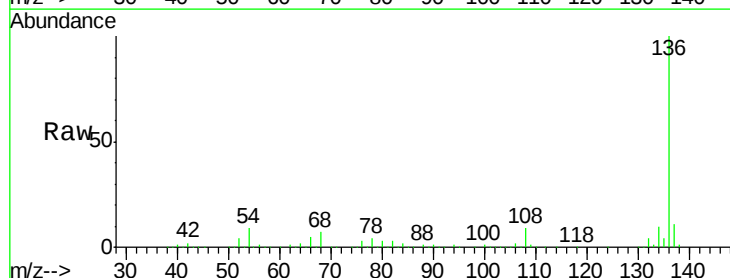
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 8.6 6.6 9.8

68 6.6 5.0 7.4

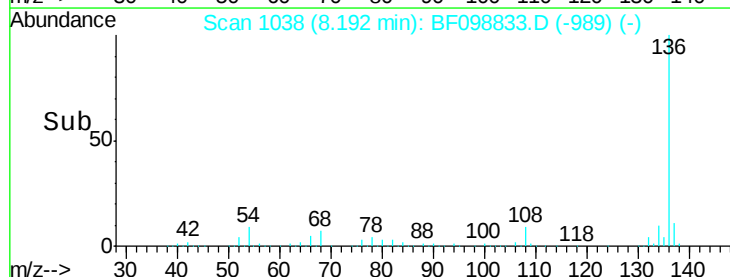
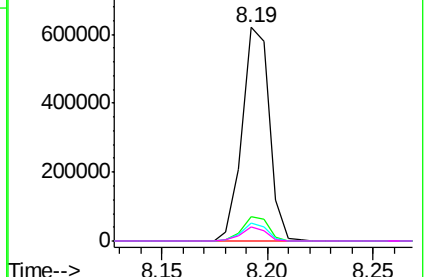


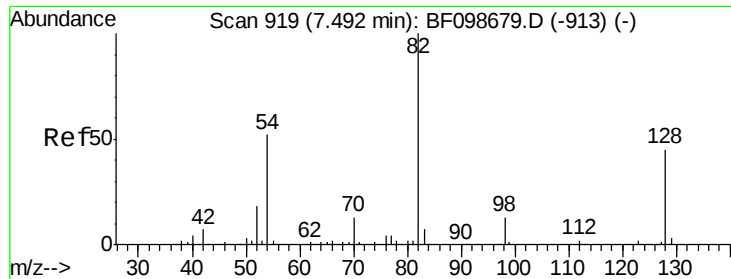
Abundance Ion 136.00 (135.70 to 136.70): E

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

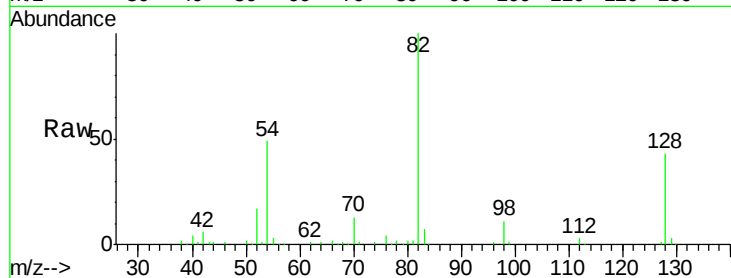




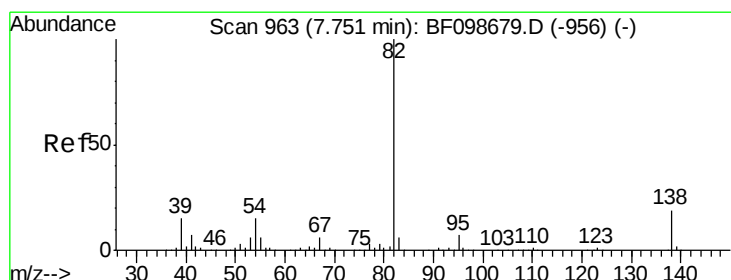
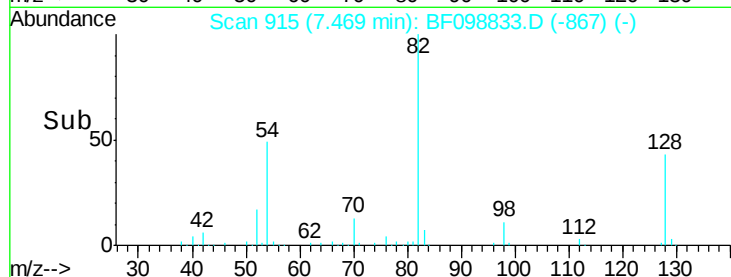
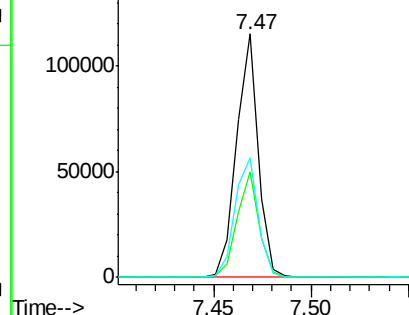
#23
 Nitrobenzene-d5
 Concen: 10.30 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098833.D
 Acq: 26 Sep 2017 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	88976
Ion Ratio	Lower	Upper	
82	100		
128	43.4	36.1	54.1
54	49.1	41.4	62.2

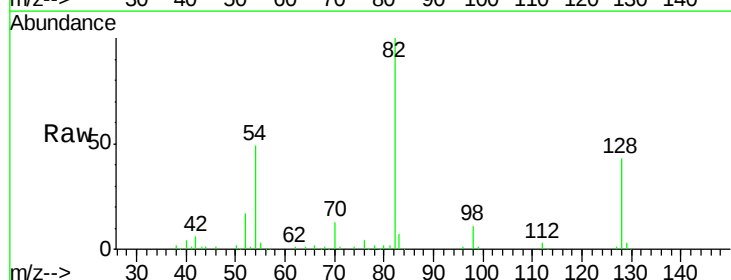


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

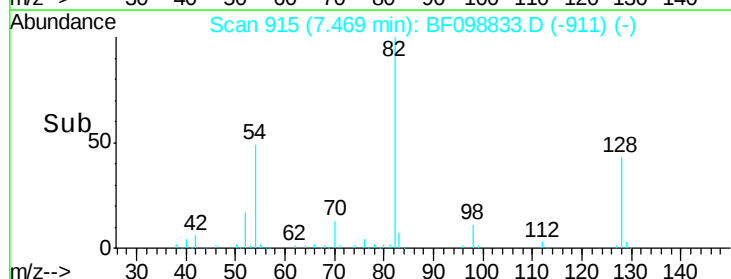
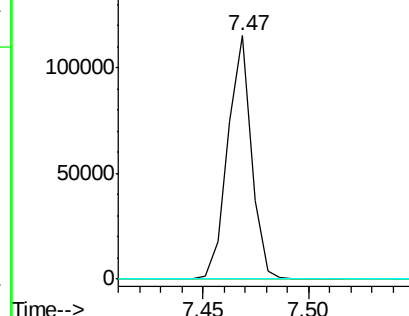


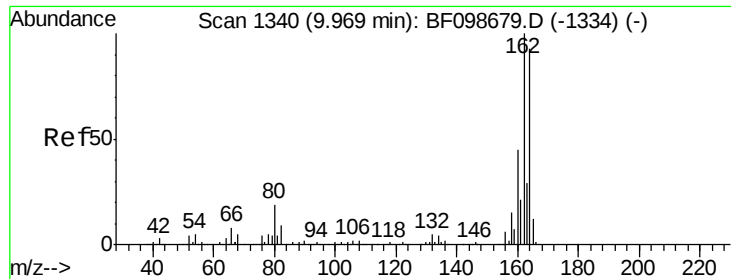
#25
 Isophorone
 Concen: 4.98 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.28 min
 Lab File: BF098833.D
 Acq: 26 Sep 2017 15:40

Tgt Ion	82	Resp	88975
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

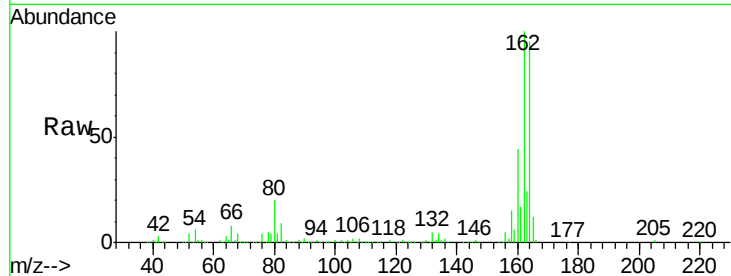




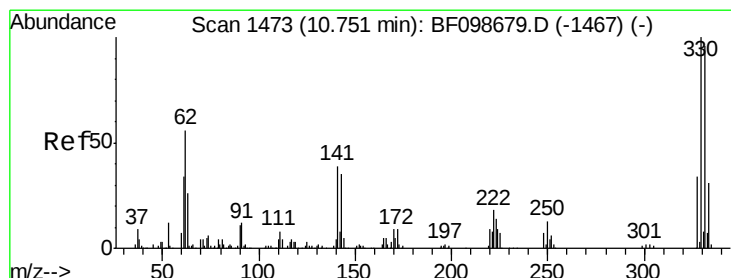
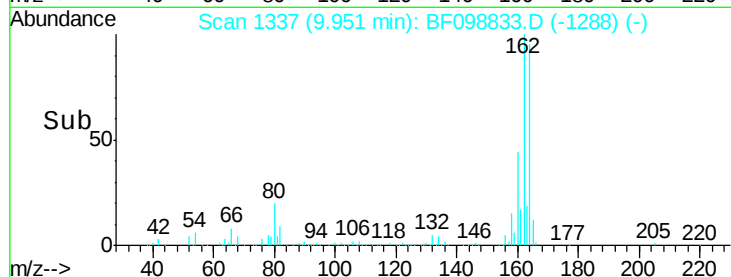
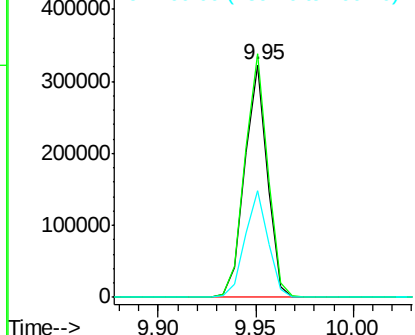
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098833.D
 Acq: 26 Sep 2017 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 258578
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 46.0 38.3 57.5

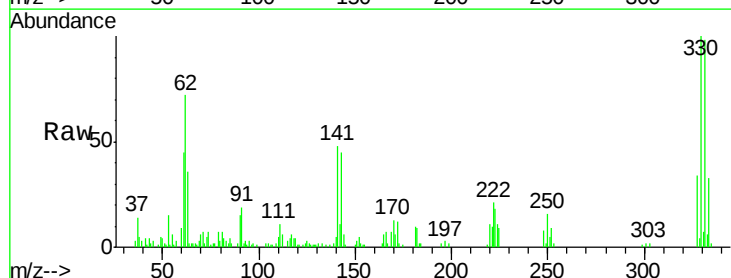


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

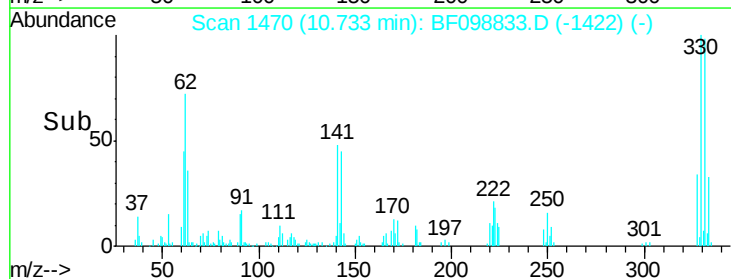
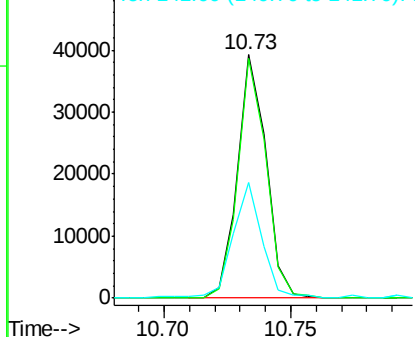


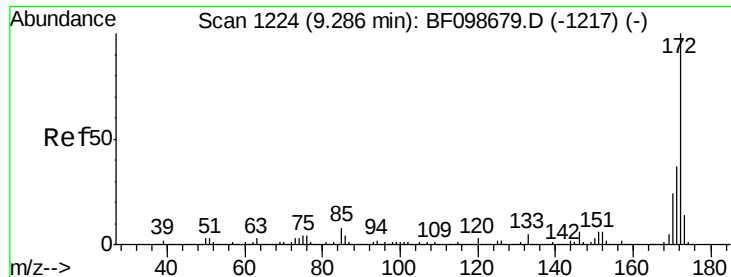
#41
 2,4,6-Tribromophenol
 Concen: 14.56 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098833.D
 Acq: 26 Sep 2017 15:40

Tgt Ion:330 Resp: 30802
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 48.7 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

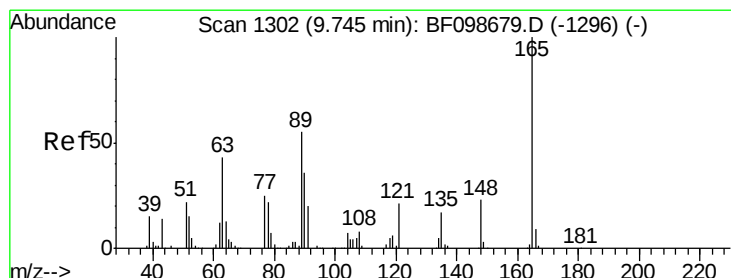
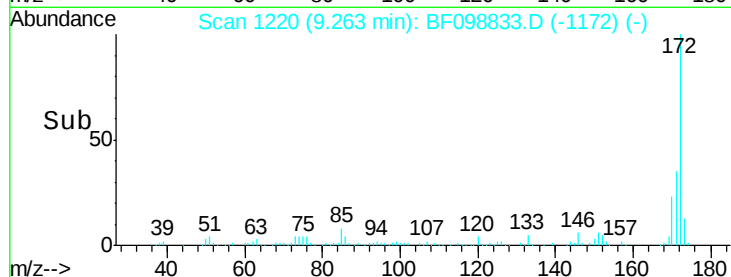
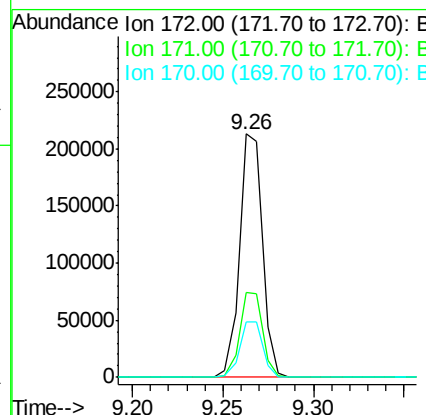
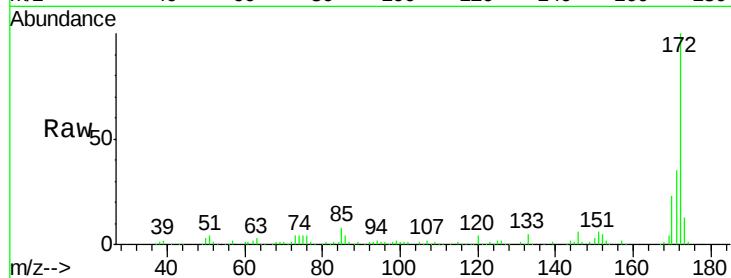




#44
 2-Fluorobiphenyl
 Concen: 12.11 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098833.D
 Acq: 26 Sep 2017 15:40

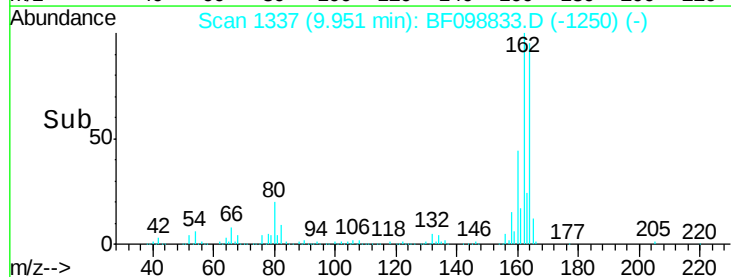
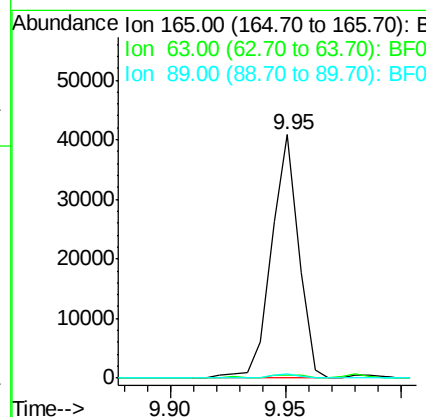
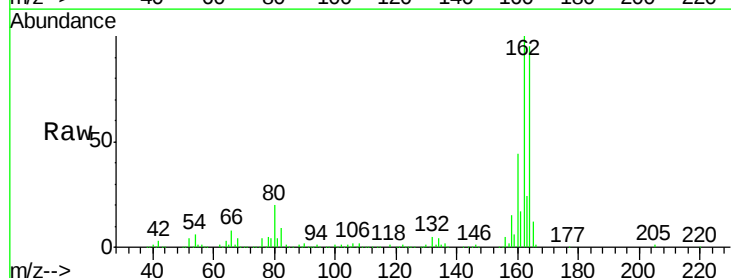
Instrument :
 BNA_F
 ClientSampled :

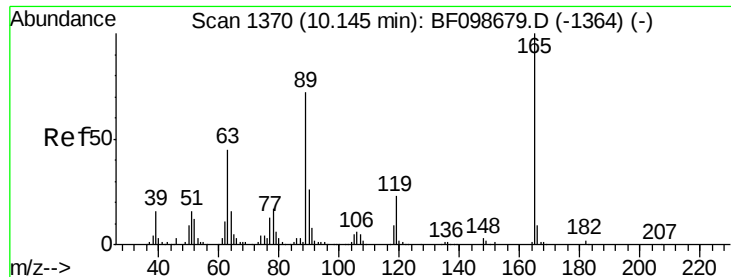
Tot Ion:172 Resp: 187619
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 23.0 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.84 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098833.D
 Acq: 26 Sep 2017 15:40

Tgt Ion:165 Resp: 33300
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 1.8 44.0 66.0#

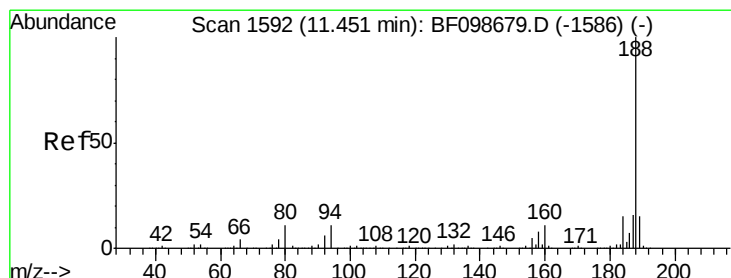
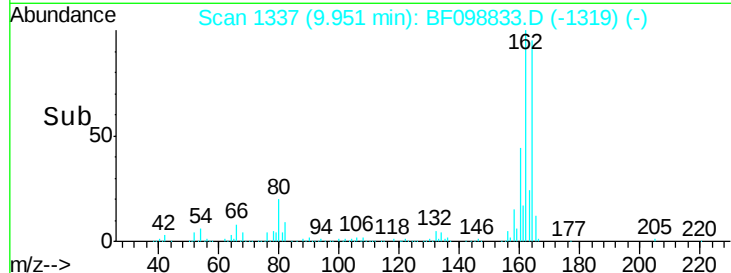
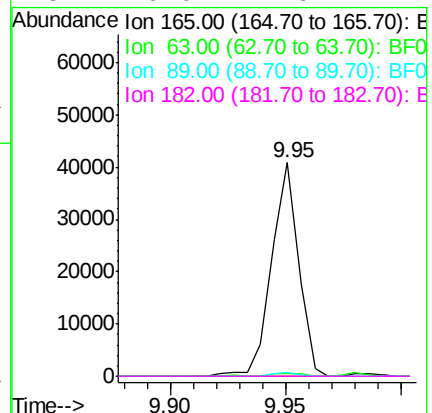
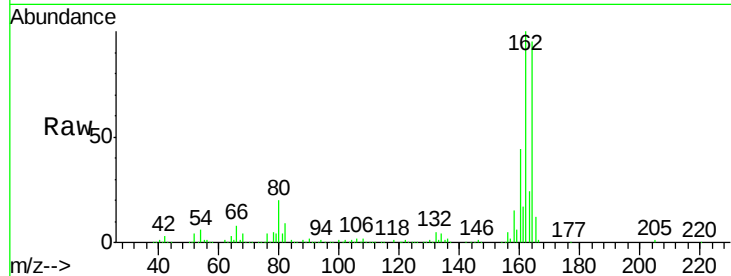




#56
 2,4-Dinitrotoluene
 Concen: 6.04 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098833.D
 Acq: 26 Sep 2017 15:40

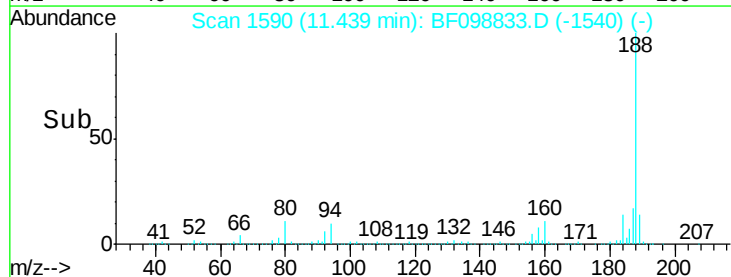
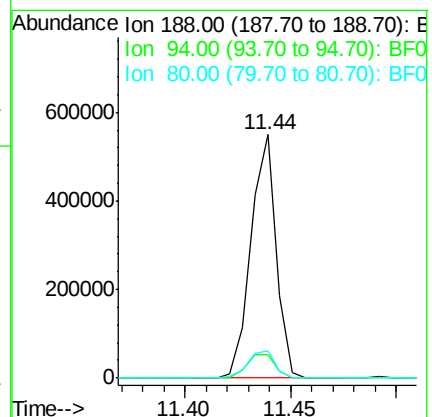
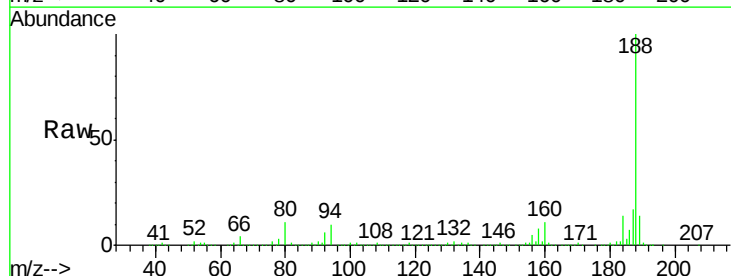
Instrument :
 BNA_F
 ClientSampleId :

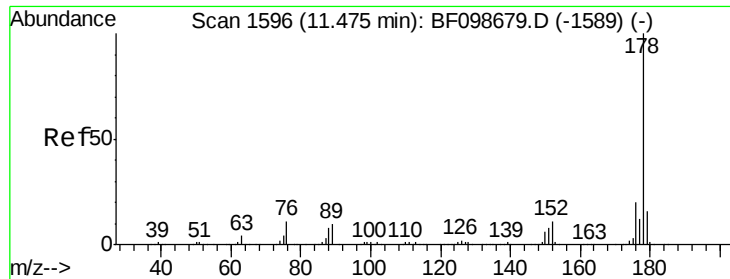
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098833.D
 Acq: 26 Sep 2017 15:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	11.0	9.2	13.8





#70

Phenanthrene

Concen: 2.84 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098833.D

Acq: 26 Sep 2017 15:40

Instrument :

BNA_F

ClientSampleId :

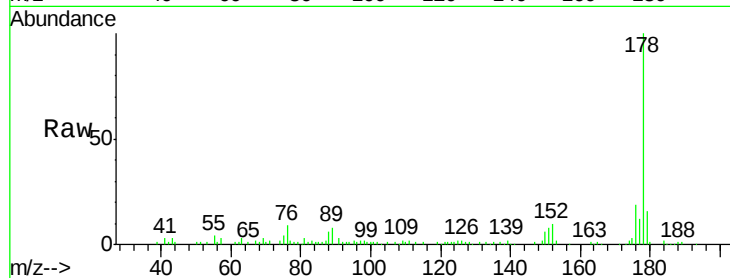
Tot Ion:178 Resp: 69312

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

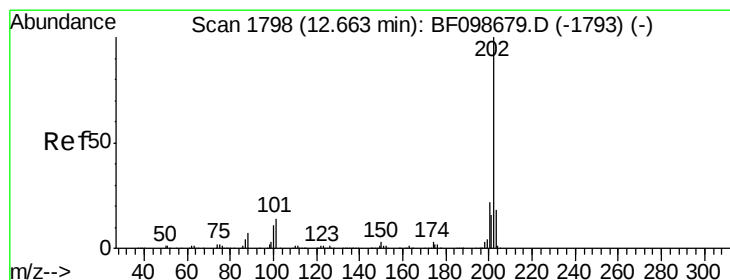
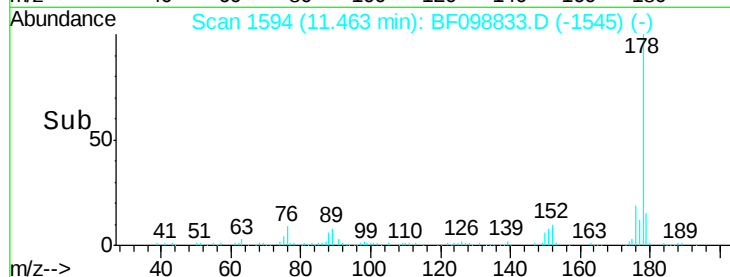
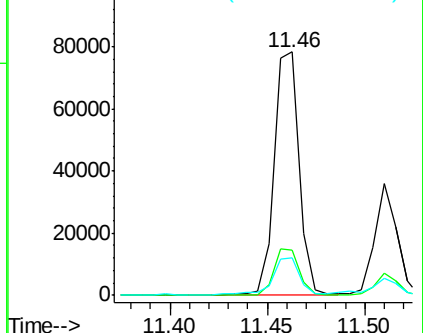
179 15.5 13.0 19.6



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



#74

Fluoranthene

Concen: 5.12 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098833.D

Acq: 26 Sep 2017 15:40

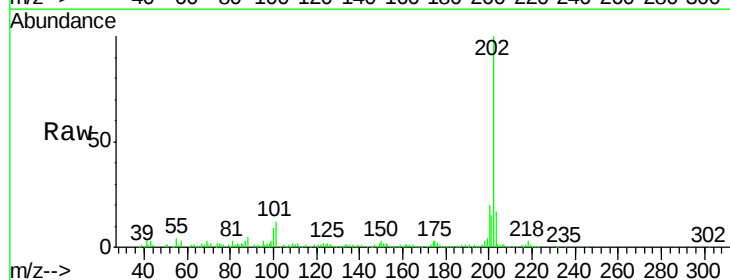
Tgt Ion:202 Resp: 126620

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

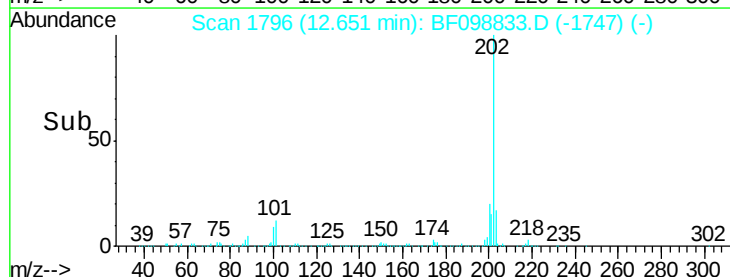
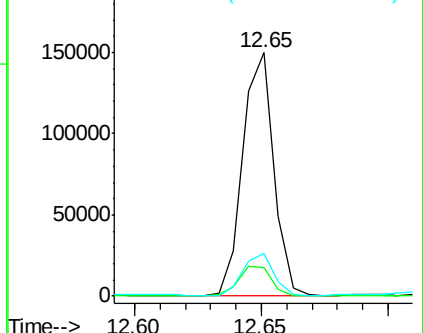
203 17.3 0.0 38.1

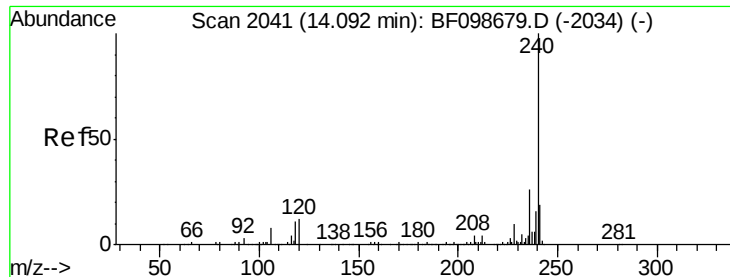


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098833.D

Acq: 26 Sep 2017 15:40

Instrument :

BNA_F

ClientSampleId :

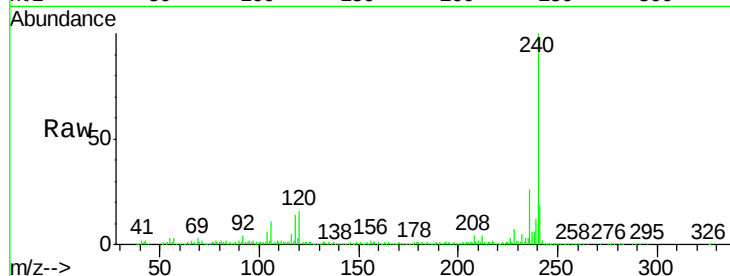
Tot Ion:240 Resp: 289968

Ion Ratio Lower Upper

240 100

120 16.3 9.5 14.3#

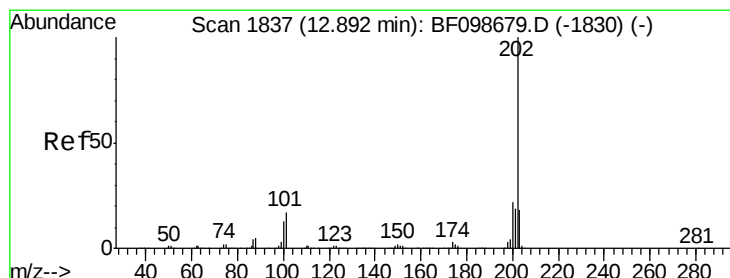
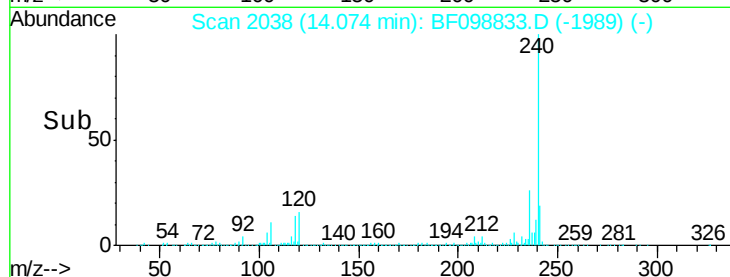
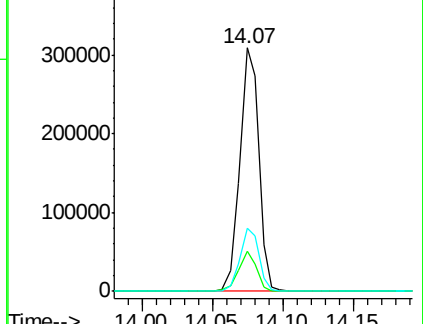
236 26.1 20.7 31.1



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

Pyrene

Concen: 5.22 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098833.D

Acq: 26 Sep 2017 15:40

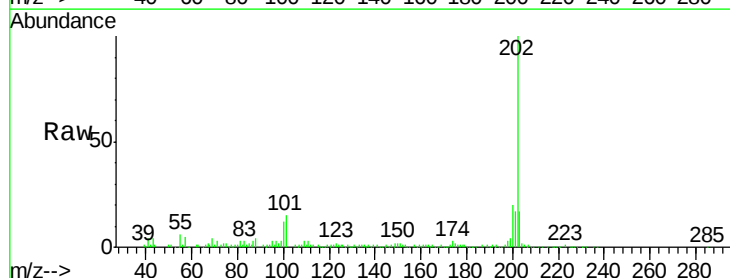
Tgt Ion:202 Resp: 115432

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

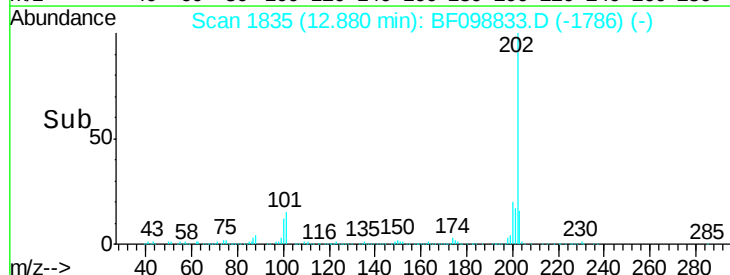
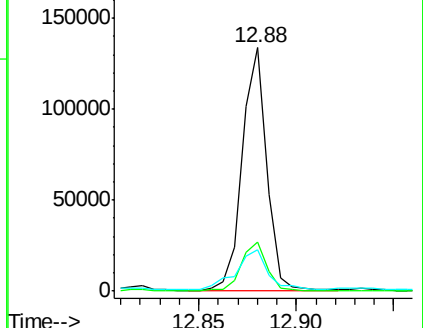
203 16.9 14.3 21.5

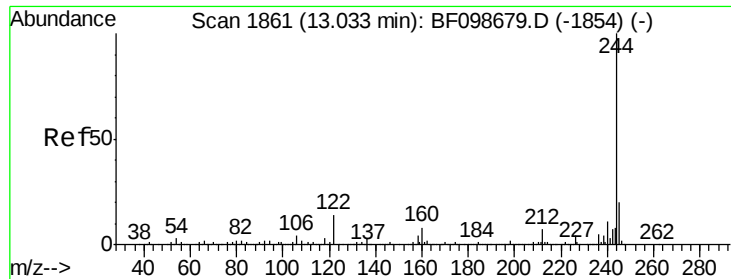


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

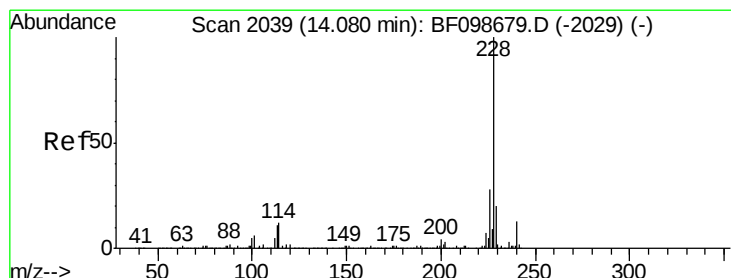
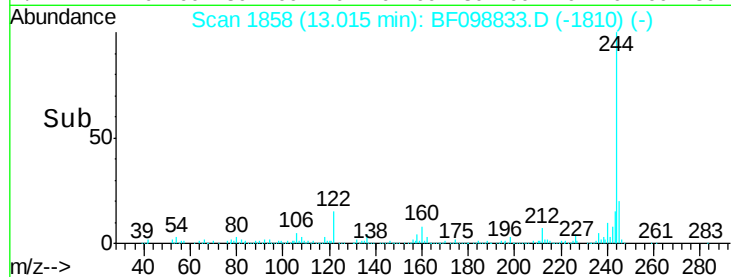
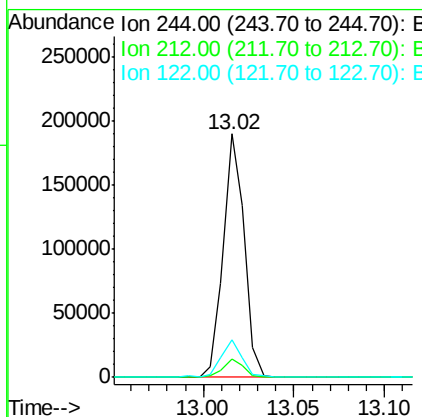
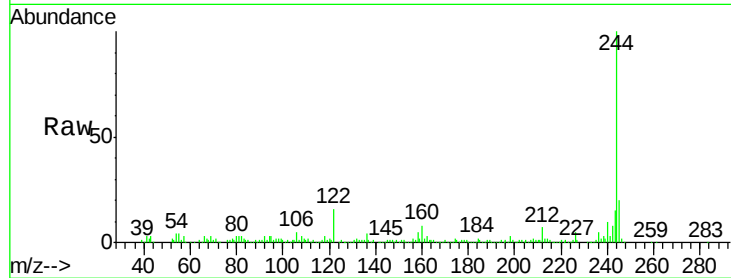




#78
 Terphenyl-d14
 Concen: 11.99 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. -0.02 min
 Lab File: BF098833.D
 Acq: 26 Sep 2017 15:40

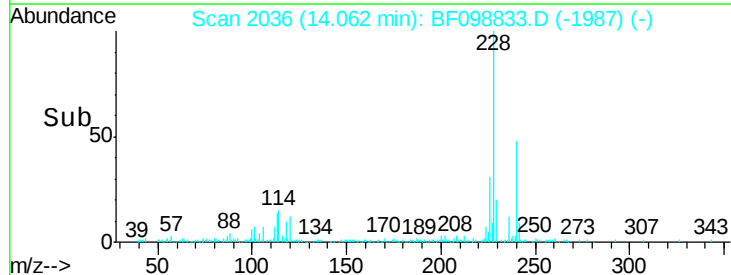
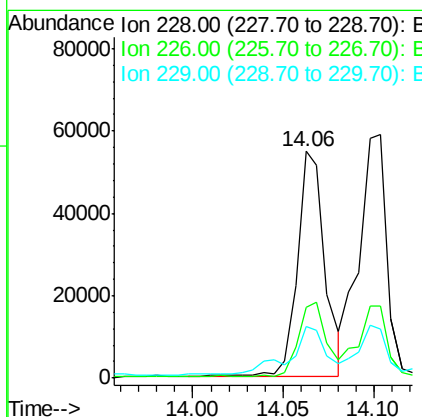
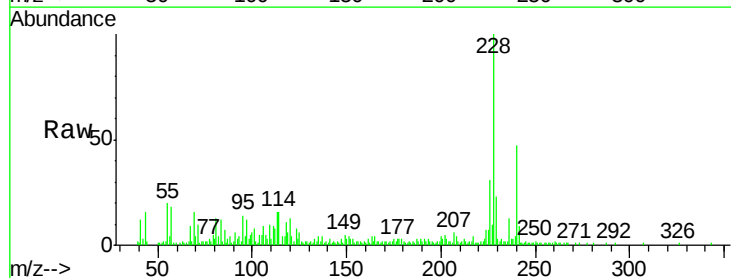
Instrument :
 BNA_F
 ClientSampleId :

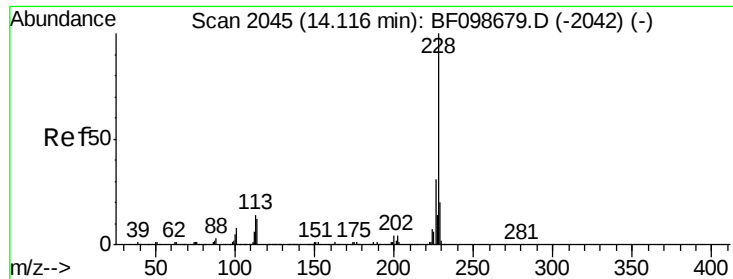
Tot Ion:244 Resp: 152839
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 15.5 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.34 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF098833.D
 Acq: 26 Sep 2017 15:40

Tgt Ion:228 Resp: 58709
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.6 33.8
 229 22.7 15.8 23.6

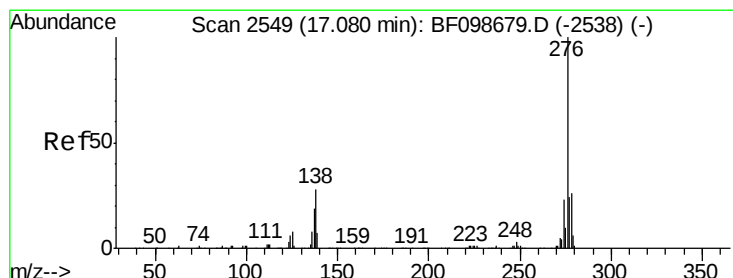
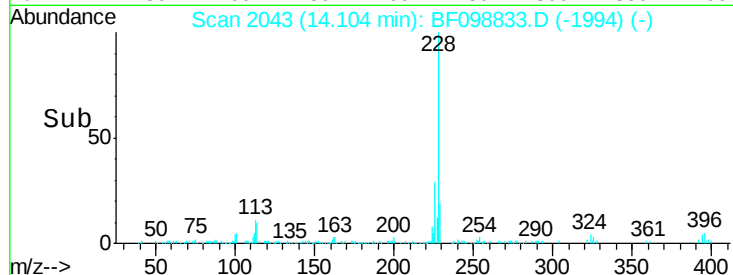
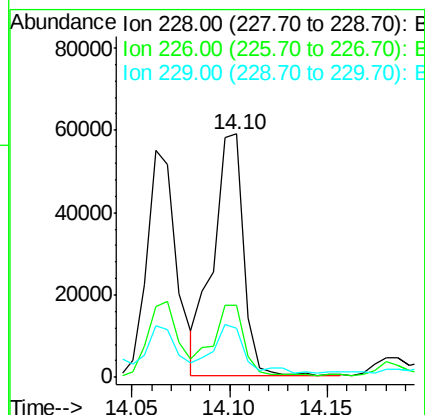
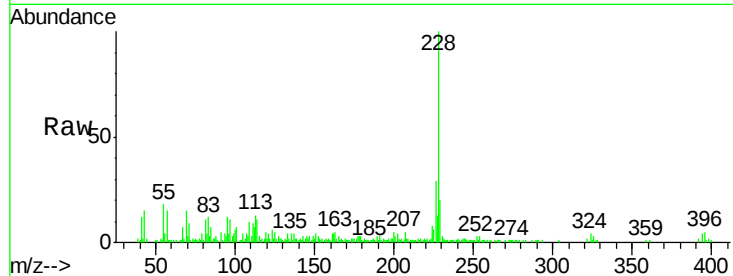




#82
Chrysene
Concen: 3.81 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098833.D
Acq: 26 Sep 2017 15:40

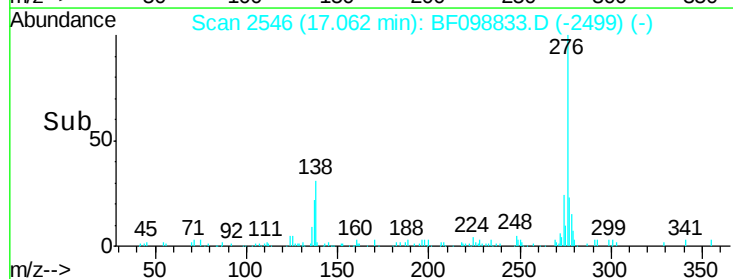
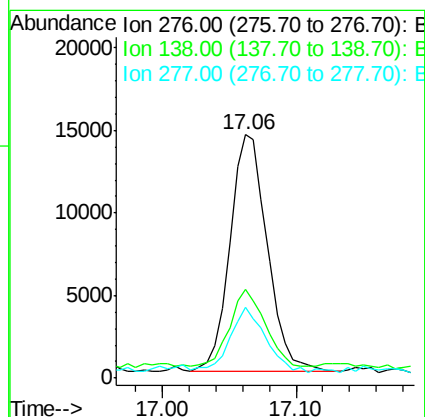
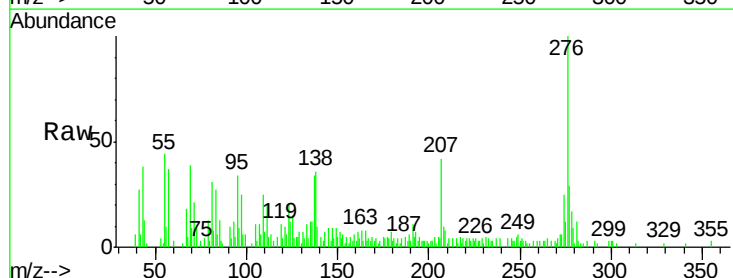
Instrument :
BNA_F
ClientSampleId :

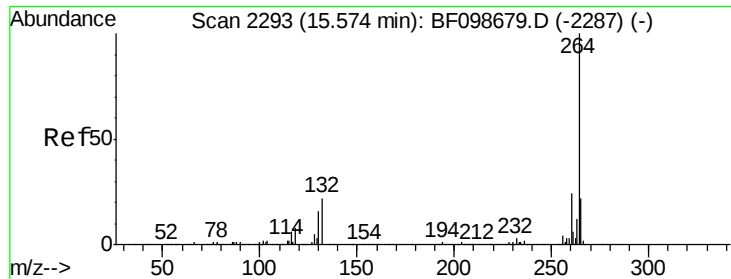
Tot Ion:228 Resp: 63680
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 20.2 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.10 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BF098833.D
Acq: 26 Sep 2017 15:40

Tgt Ion:276 Resp: 28078
Ion Ratio Lower Upper
276 100
138 31.8 25.0 37.6
277 26.1 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: BF098833.D

Acq: 26 Sep 2017 15:40

Instrument :

BNA_F

ClientSampleId :

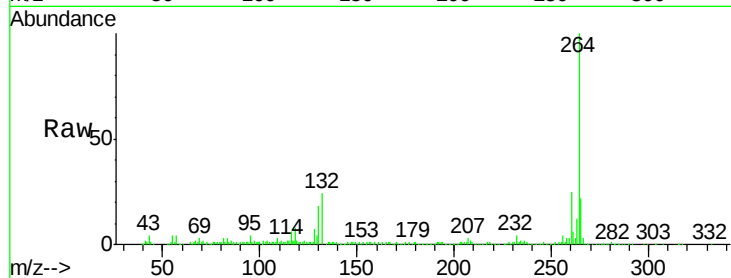
Tot Ion:264 Resp: 281237

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

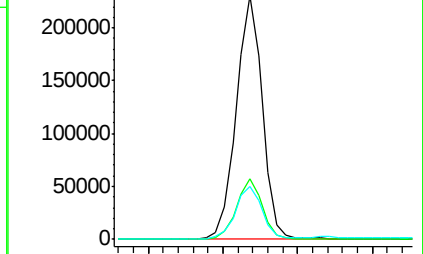
265 21.8 17.5 26.3



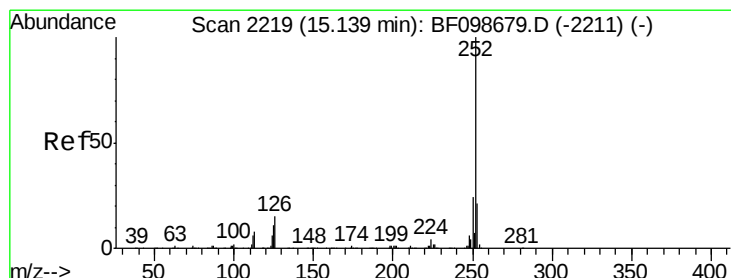
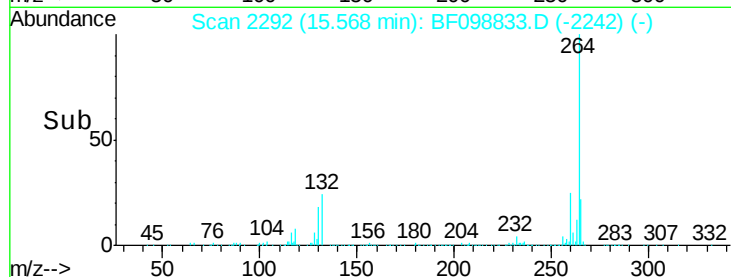
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 6.48 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF098833.D

Acq: 26 Sep 2017 15:40

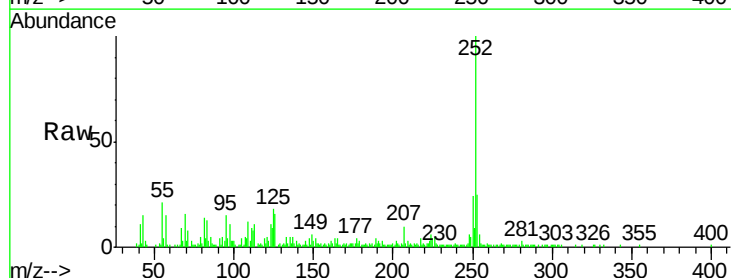
Tgt Ion:252 Resp: 111983

Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.6

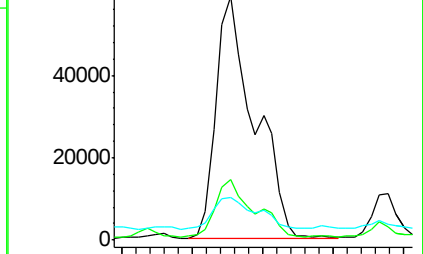
125 17.6 9.0 13.6#



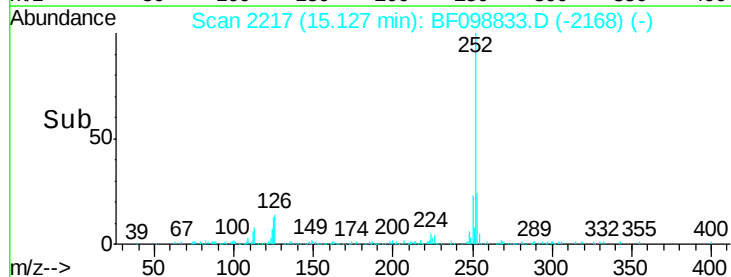
Abundance Ion 252.00 (251.70 to 252.70): E

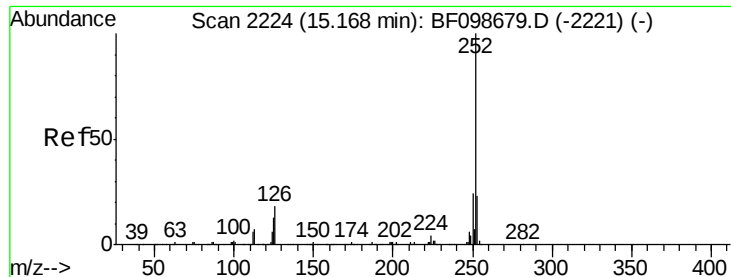
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->

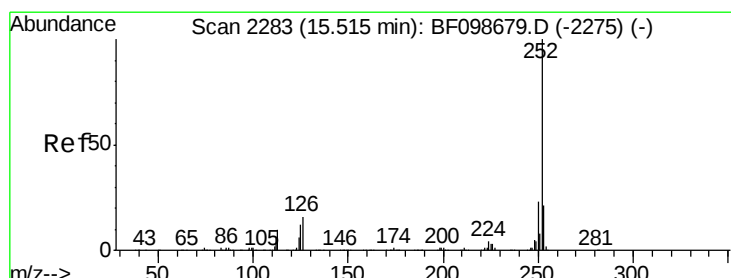
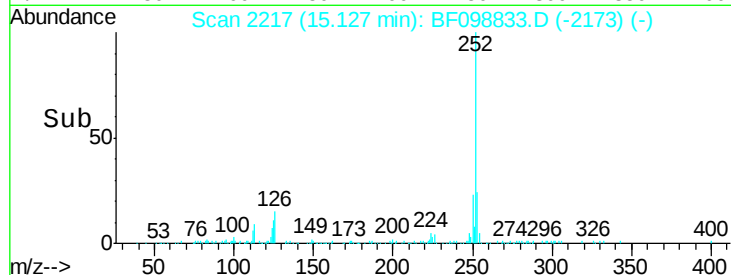
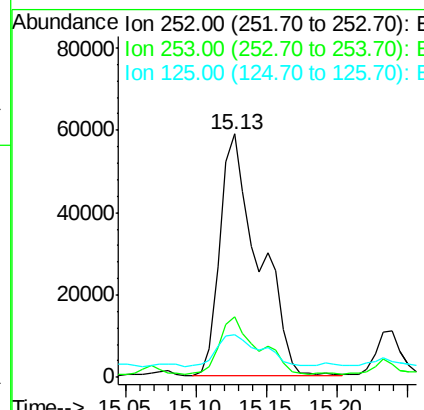
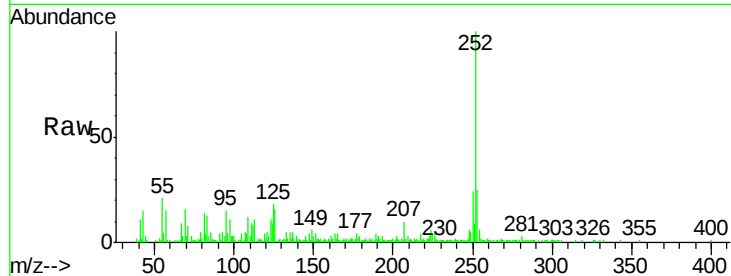




#88
Benzo(k)fluoranthene
Concen: 6.56 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098833.D
Acq: 26 Sep 2017 15:40

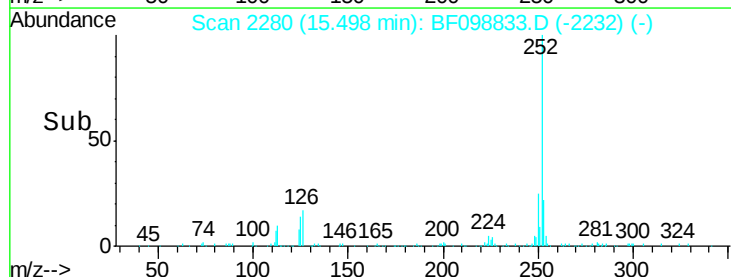
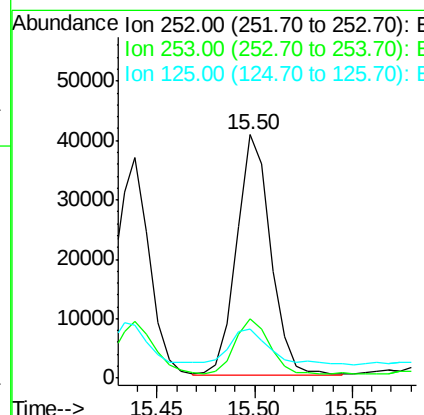
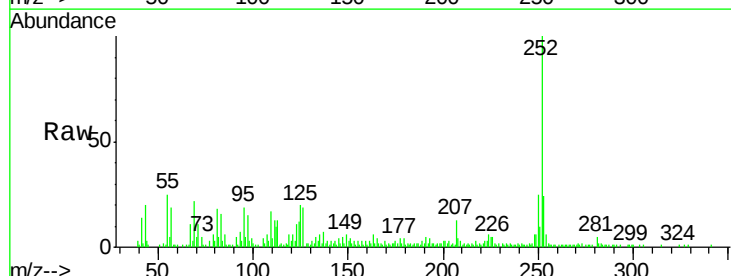
Instrument :
BNA_F
ClientSampleId :

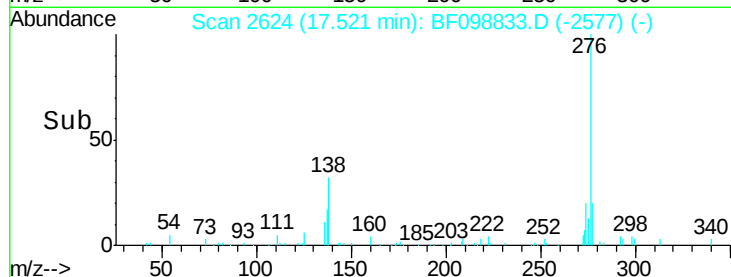
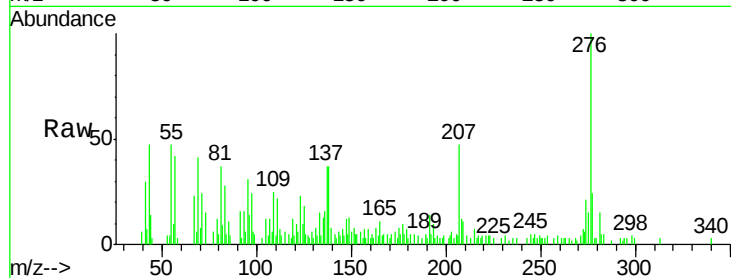
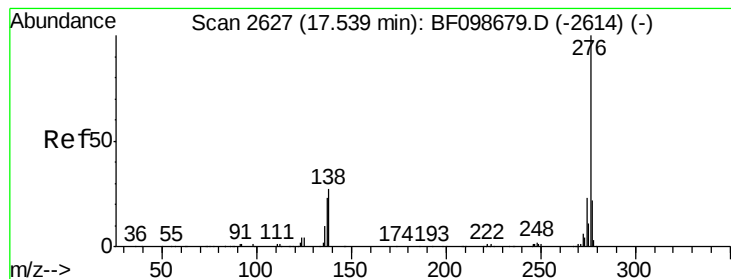
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	17.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.07 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098833.D
Acq: 26 Sep 2017 15:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	20.3	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.22 ng

RT: 17.52 min Scan# 2624

Delta R.T. -0.02 min

Lab File: BF098833.D

Acq: 26 Sep 2017 15:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 27900

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 37.4 21.8 32.8#

