

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098123.D
 Acq On : 29 Aug 2017 21:01
 Operator : SJ/JU
 Sample : I4994-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 03:01:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

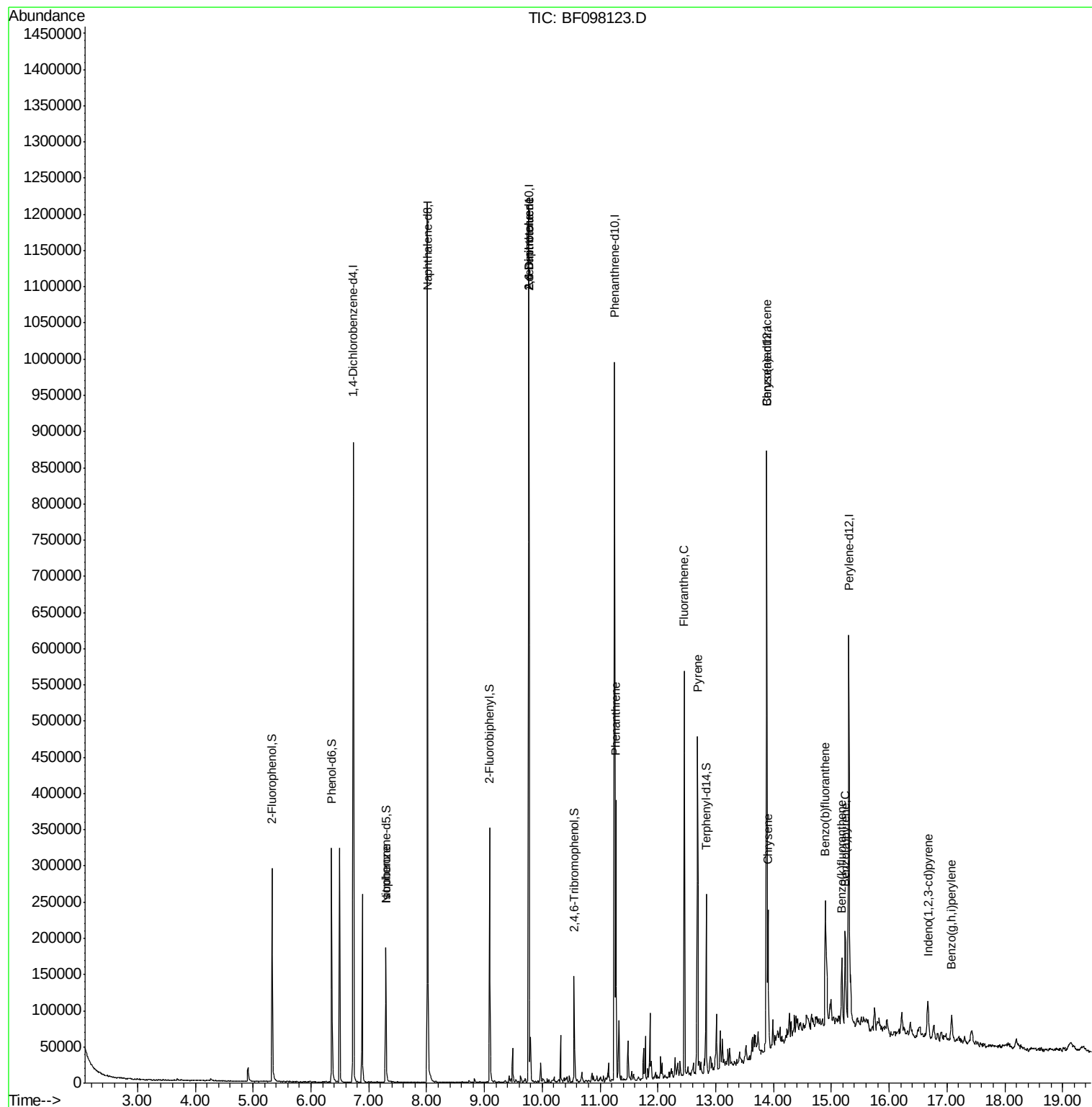
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	128578	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	512227	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	210875	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	332521	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	255472	20.00	ng	-0.01
86) Perylene-d12	15.30	264	230735	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	83955	9.93	ng	-0.02
7) Phenol-d6	6.36	99	113100	9.85	ng	-0.03
23) Nitrobenzene-d5	7.29	82	65141	6.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	13919	7.61	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	110227	7.68	ng	-0.02
78) Terphenyl-d14	12.83	244	66328	5.41	ng	-0.02
Target Compounds						
25) Isophorone	7.29	82	62541	3.190	ng	# 67
50) 2,6-Dinitrotoluene	9.77	165	27282	8.867	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	27282	7.065	ng	# 33
70) Phenanthrene	11.27	178	130248	7.351	ng	98
74) Fluoranthene	12.46	202	209364	11.320	ng	99
77) Pyrene	12.69	202	172530	8.257	ng	97
80) Benzo(a)anthracene	13.87	228	67804	4.428	ng	99
82) Chrysene	13.91	228	68462	4.495	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	32527	2.903	ng	# 92
87) Benzo(b)fluoranthene	14.90	252	117983	8.112	ng	99
88) Benzo(k)fluoranthene	15.18	252	35465	2.595	ng	95
89) Benzo(a)pyrene	15.24	252	58341	4.531	ng	99
91) Benzo(a,h,i)perylene	17.09	276	28107	2.570	ng	92

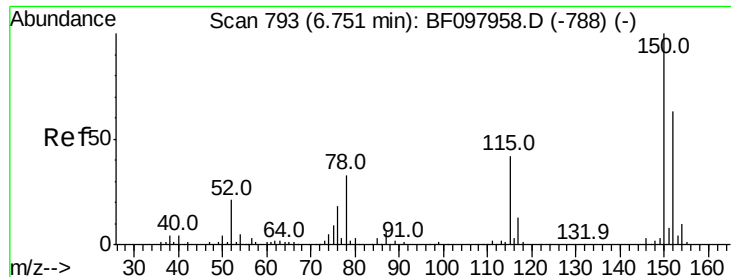
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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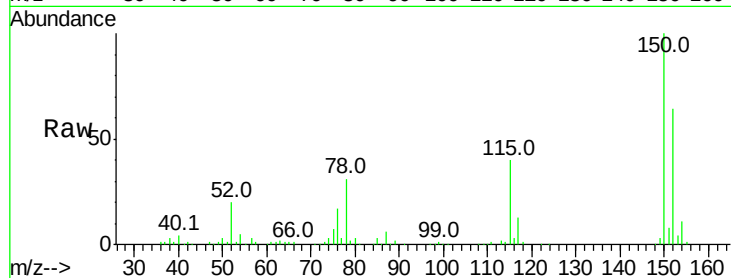


#1

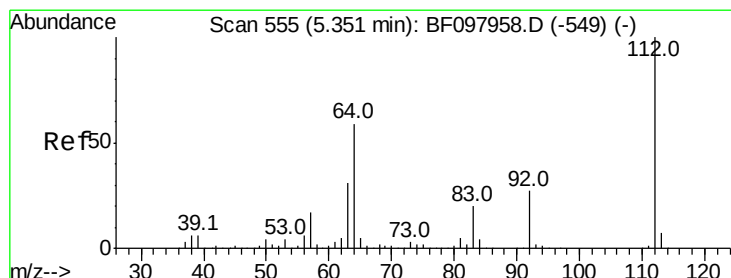
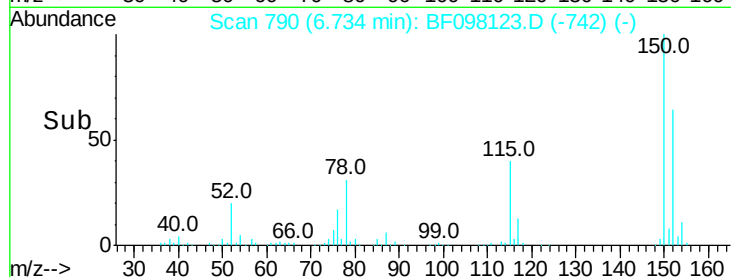
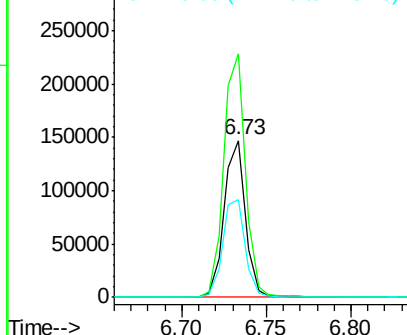
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128578
Ion Ratio Lower Upper
152 100
150 155.2 126.2 189.2
115 62.3 52.2 78.2



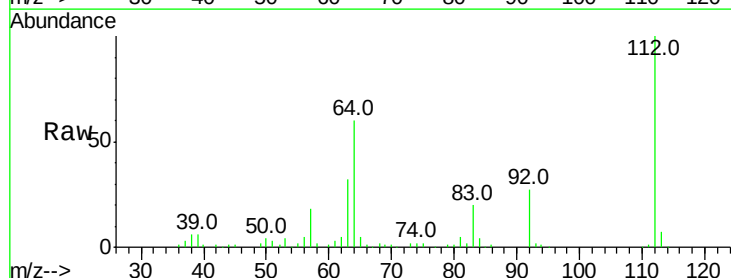
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



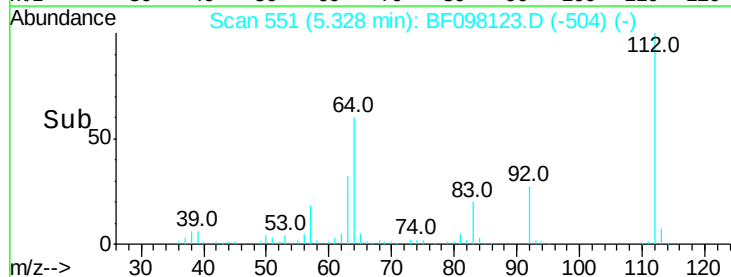
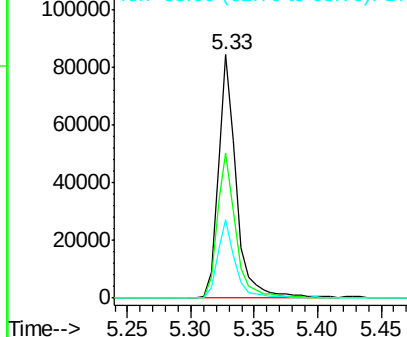
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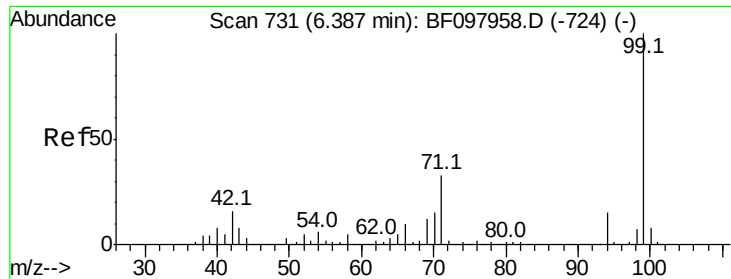
2-Fluorophenol
Concen: 9.932 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Tgt Ion:112 Resp: 83955
Ion Ratio Lower Upper
112 100
64 59.7 46.0 69.0
63 32.5 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: 9.847 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

Instrument :

BNA_F

ClientSampleId :

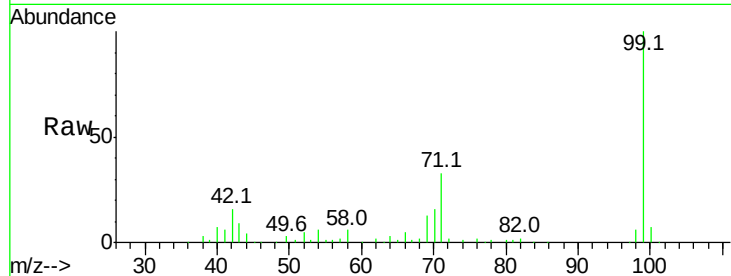
Tot Ion: 99 Resp: 113100

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

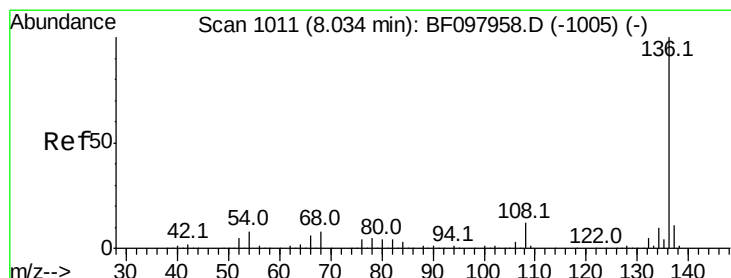
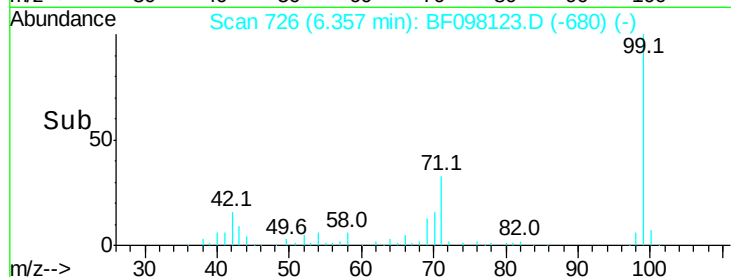
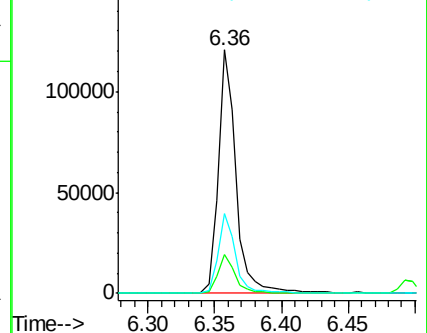
71 32.9 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

Tgt Ion: 136 Resp: 512227

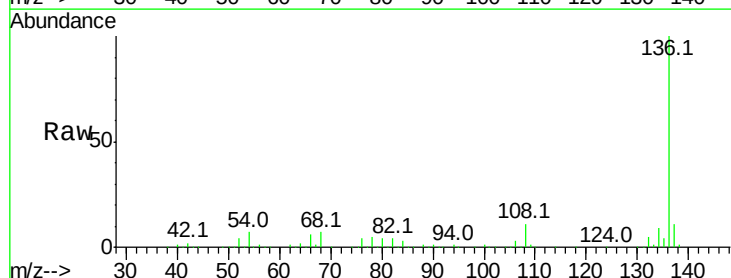
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.5 4.9 7.3#

68 7.2 4.1 6.1#

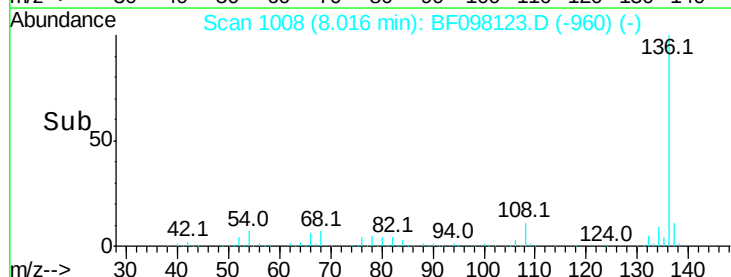
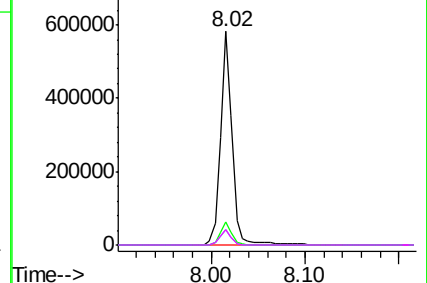


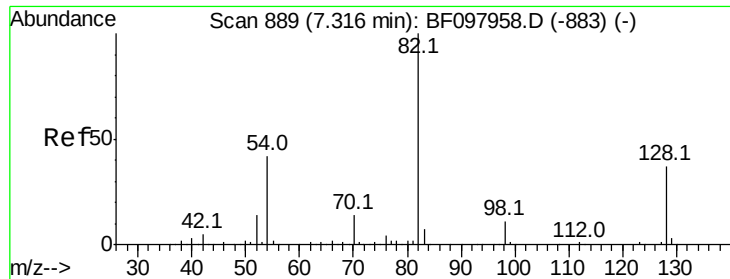
Abundance Ion 136.00 (135.70 to 136.70): E

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

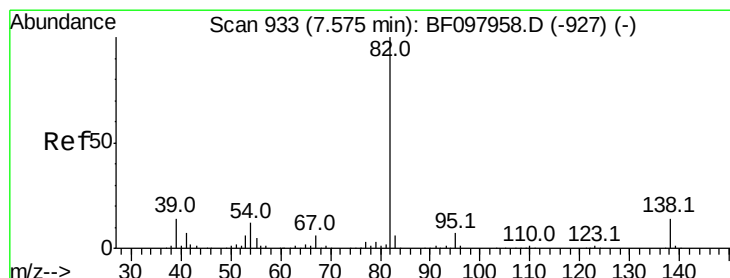
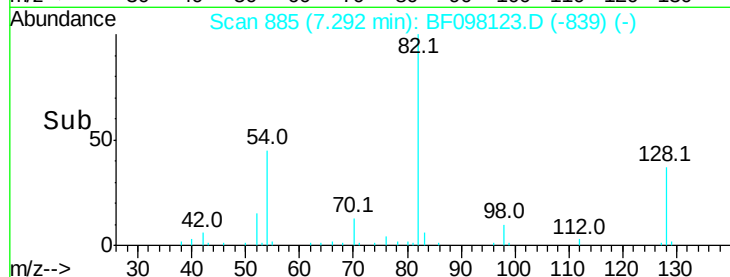
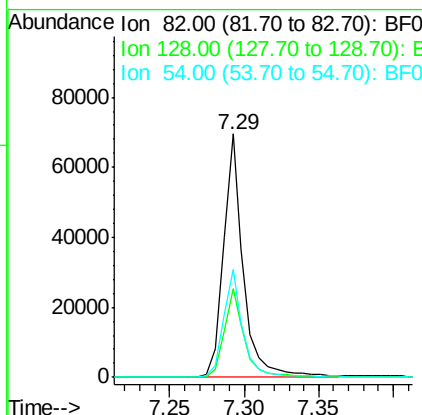
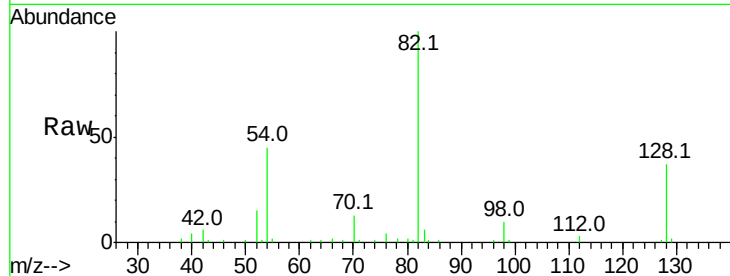




#23
 Nitrobenzene-d5
 Concen: 6.909 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

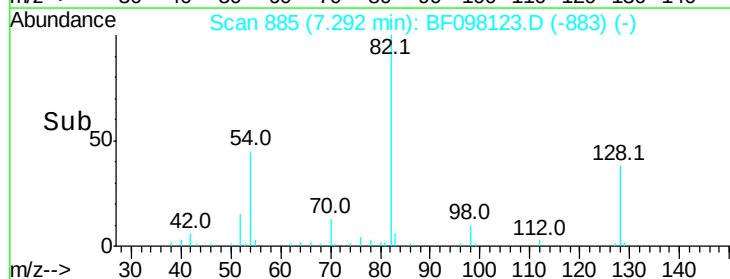
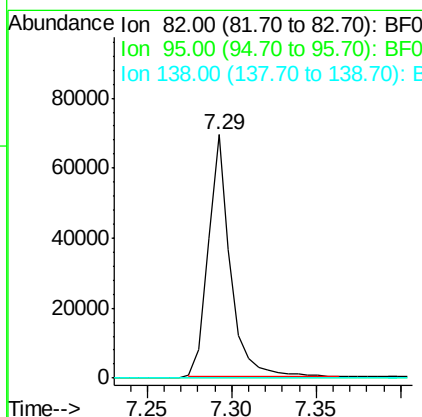
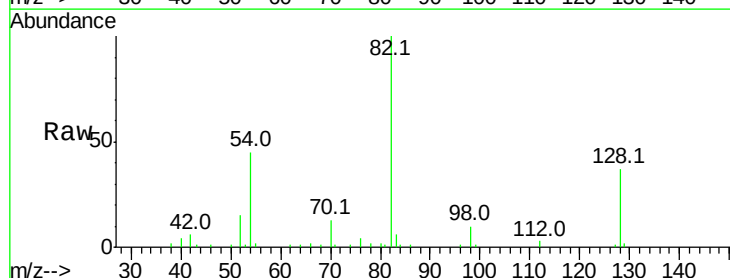
Instrument :
 BNA_F
 ClientSampled :

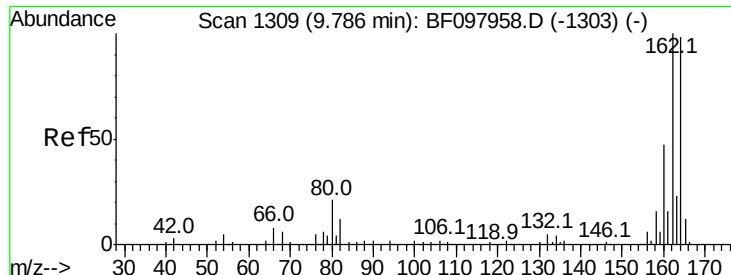
Tot Ion	82	Resp	65141
Ion Ratio	100	Lower	Upper
128	36.6	34.0	51.0
54	44.6	42.2	63.2



#25
 Isophorone
 Concen: 3.190 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.29 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Tgt Ion	82	Resp	62541
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

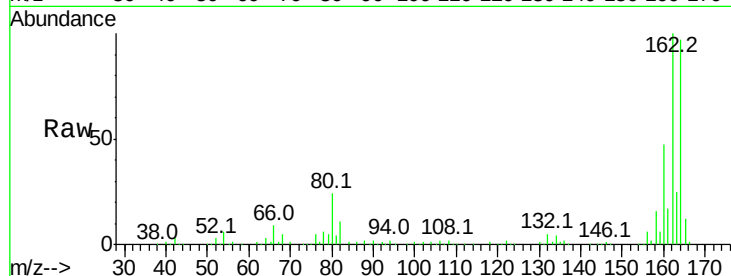




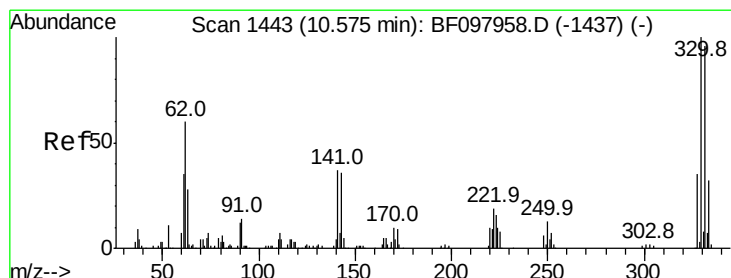
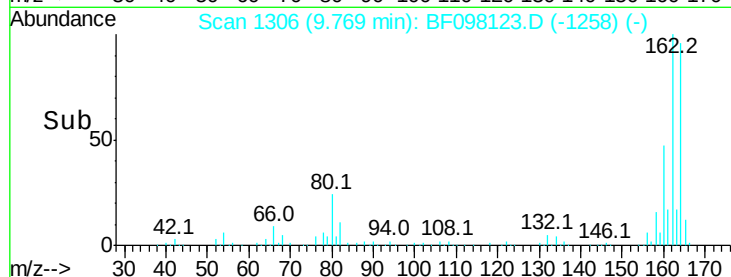
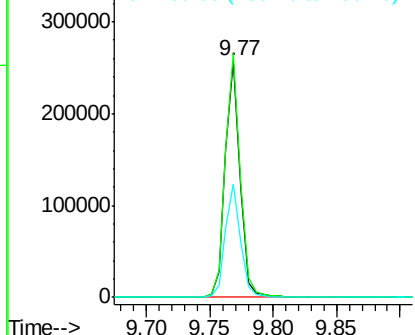
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 210875
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.6 123.8
 160 48.0 36.2 54.2

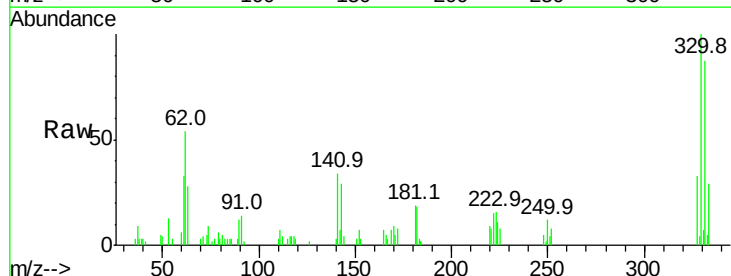


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

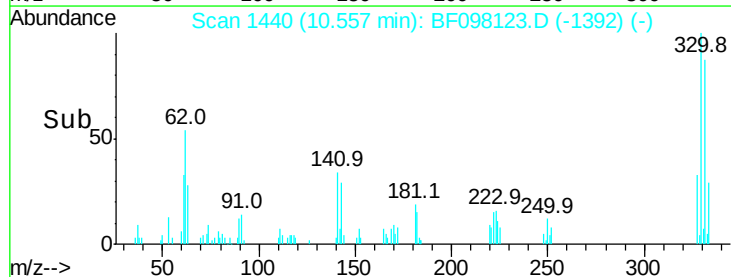
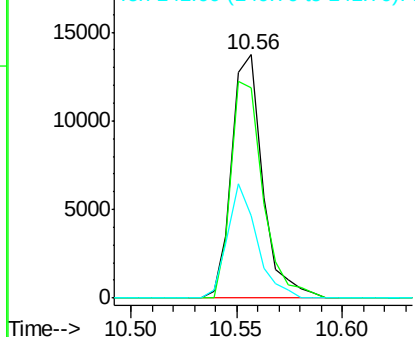


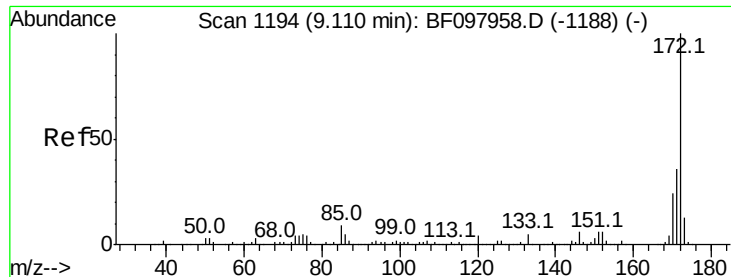
#41
 2,4,6-Tribromophenol
 Concen: 7.607 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Tgt Ion:330 Resp: 13919
 Ion Ratio Lower Upper
 330 100
 332 92.3 76.6 115.0
 141 44.6 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

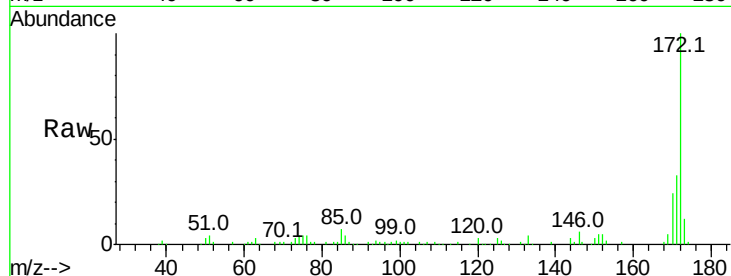




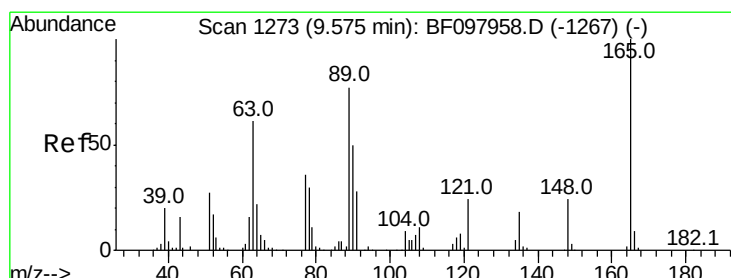
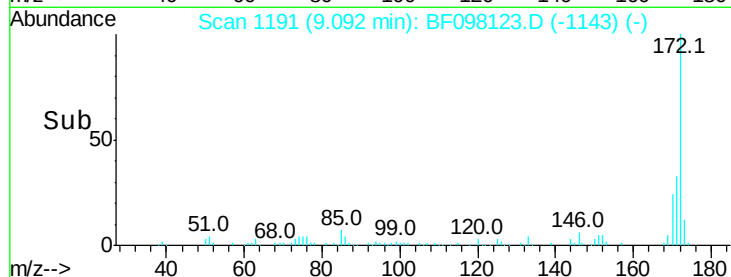
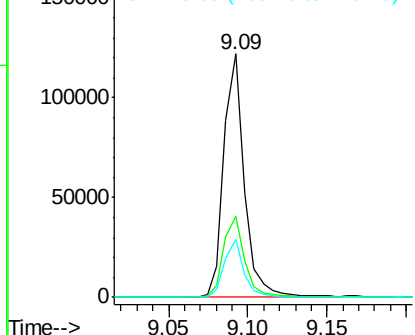
#44
 2-Fluorobiphenyl
 Concen: 7.680 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.6	44.4
170	23.6	19.8	29.8

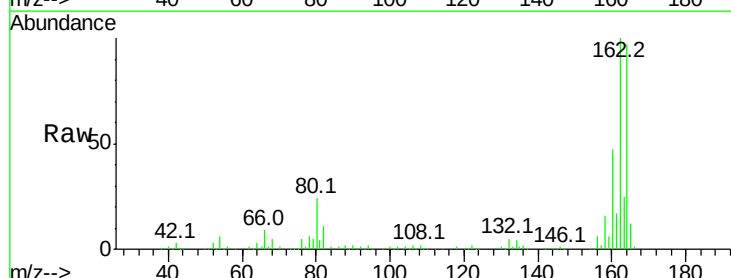


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

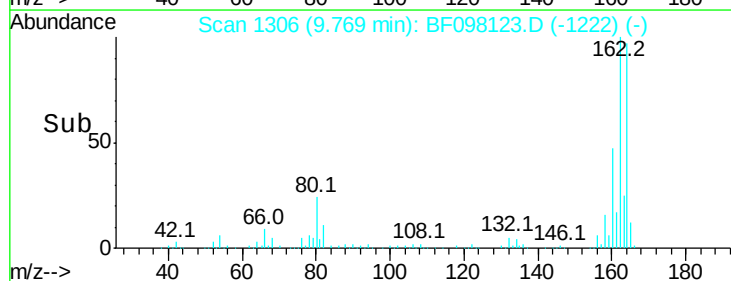
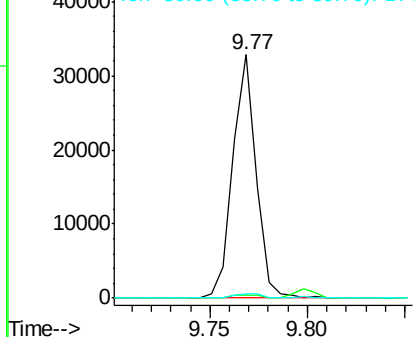


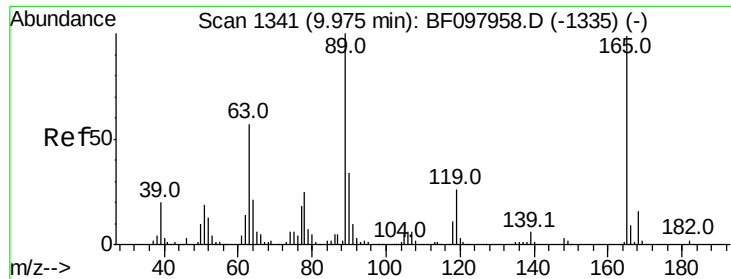
#50
 2,6-Dinitrotoluene
 Concen: 8.867 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.19 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	1.8	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

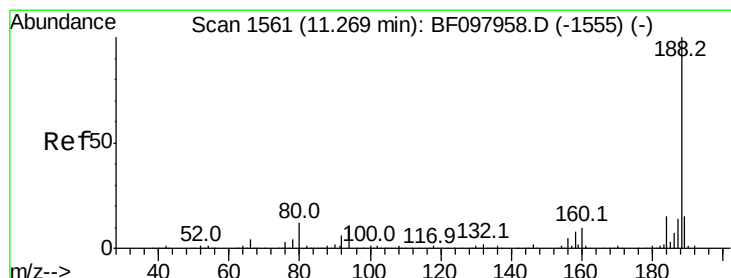
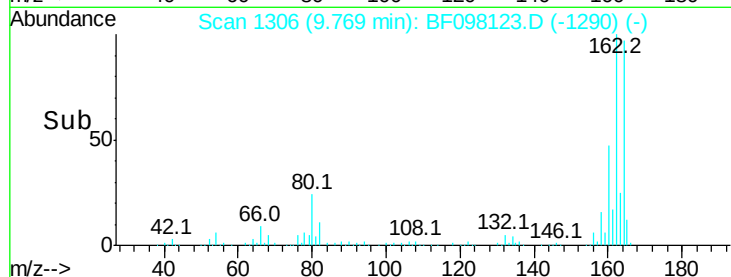
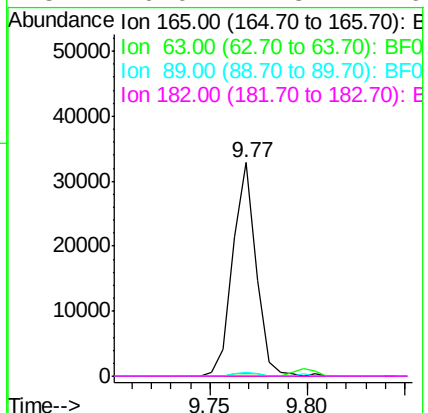
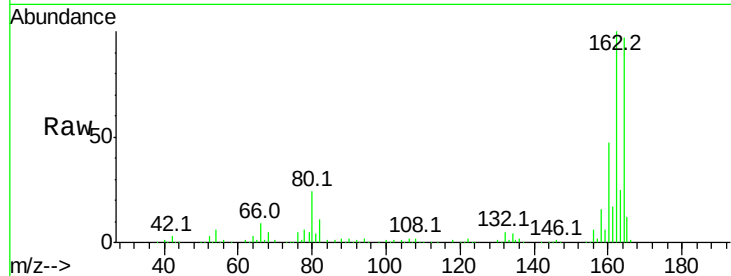




#56
 2,4-Dinitrotoluene
 Concen: 7.065 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.21 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

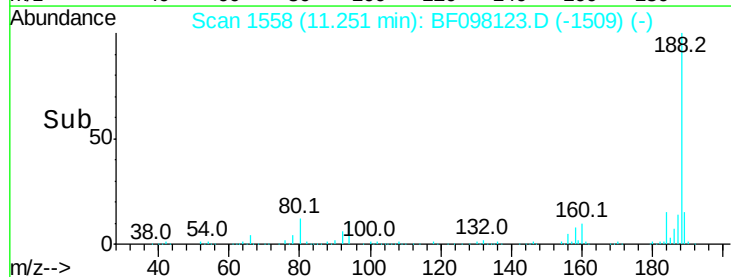
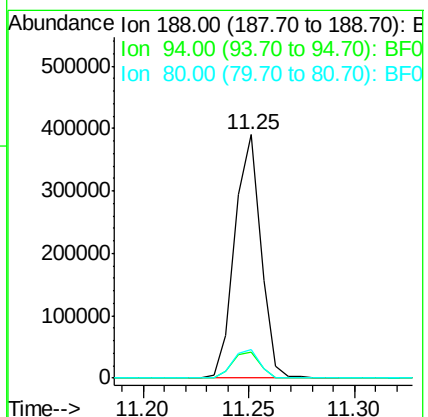
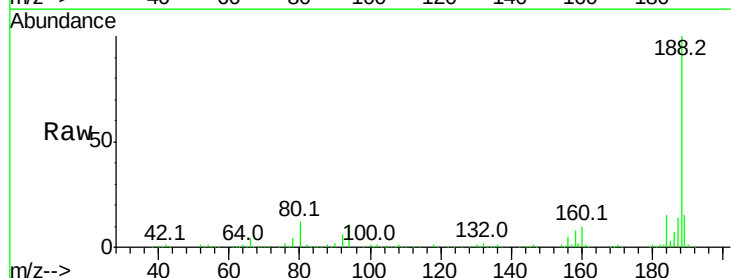
Instrument :
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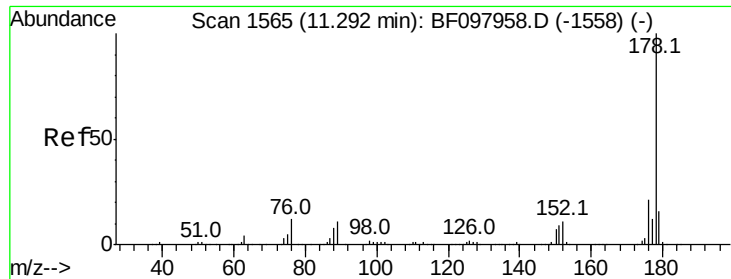
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	11.9	10.2	15.2

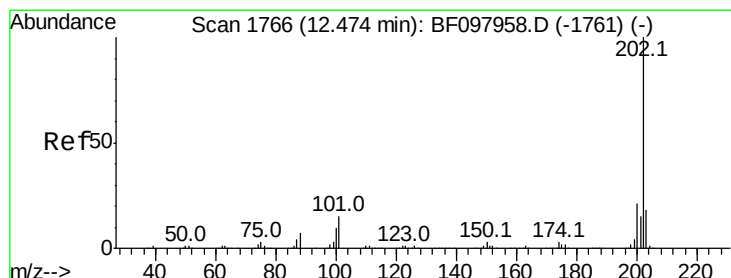
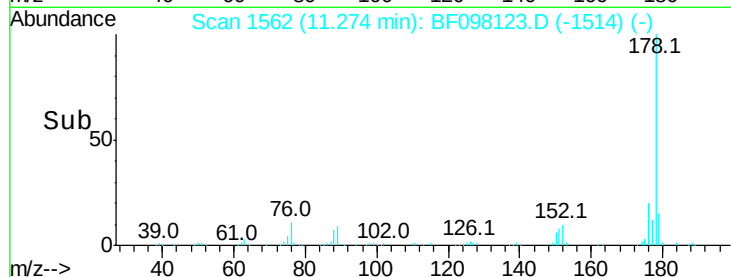
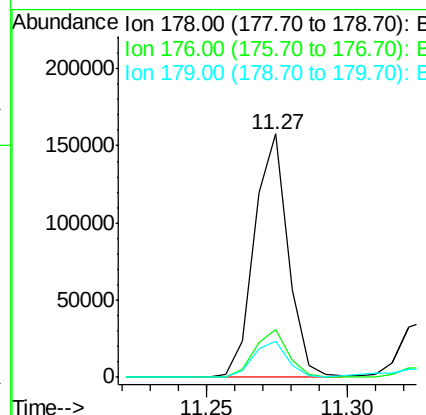
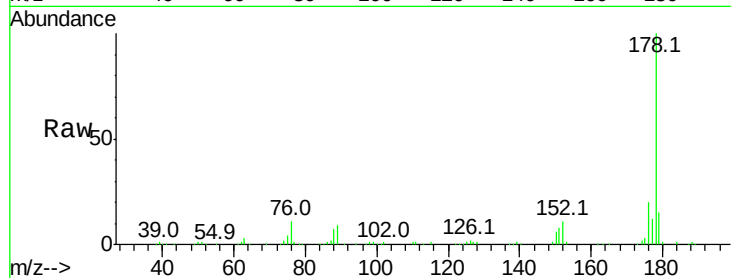




#70
Phenanthrene
Concen: 7.351 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

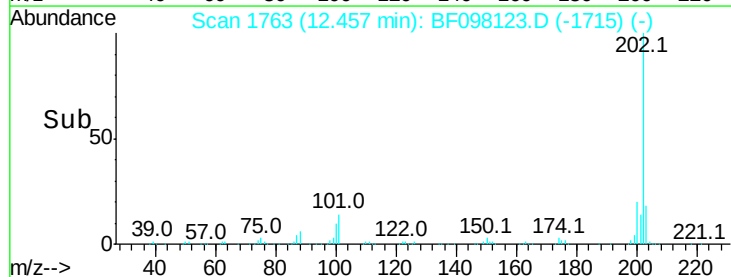
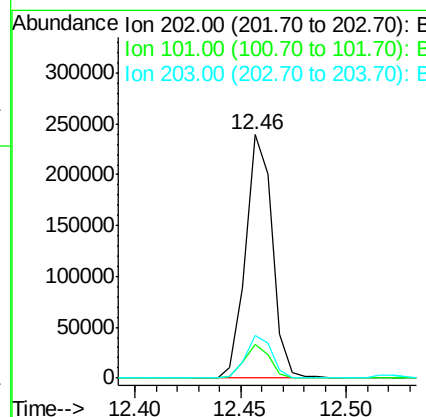
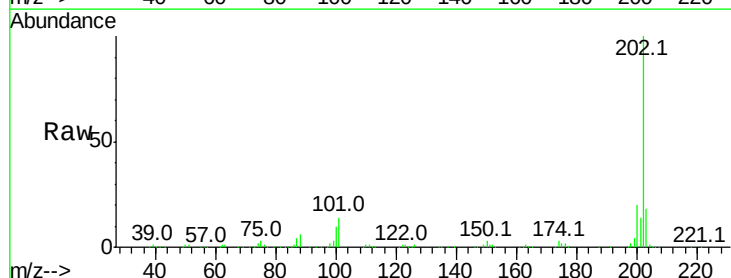
Instrument :
BNA_F
ClientSampleId :

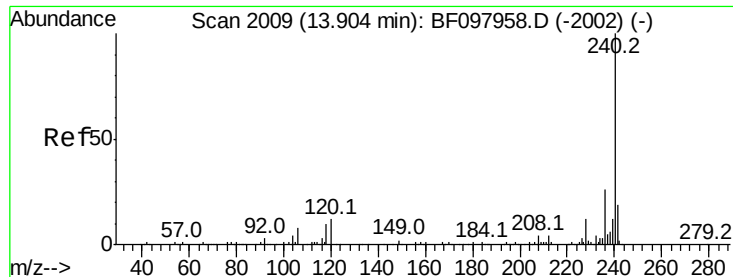
Tot Ion:178 Resp: 130248
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 14.9 12.6 19.0



#74
Fluoranthene
Concen: 11.320 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Tgt Ion:202 Resp: 209364
Ion Ratio Lower Upper
202 100
101 13.9 0.0 33.2
203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

Instrument :

BNA_F

ClientSampleId :

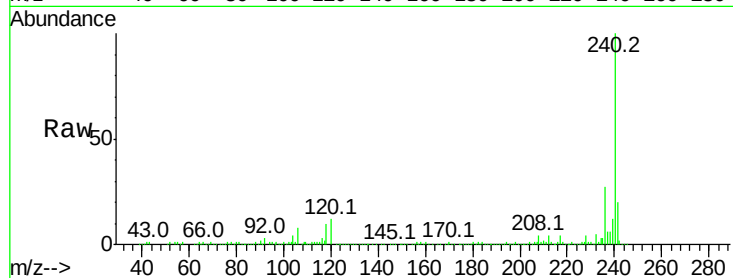
Tot Ion:240 Resp: 255472

Ion Ratio Lower Upper

240 100

120 12.3 5.8 8.8#

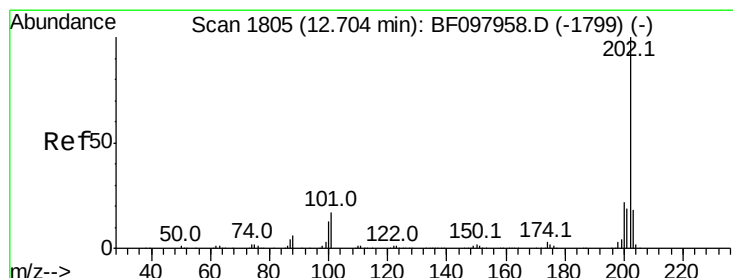
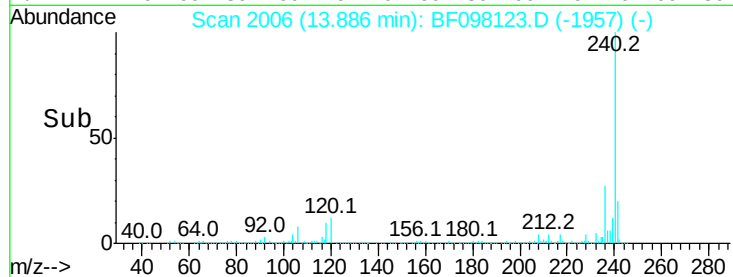
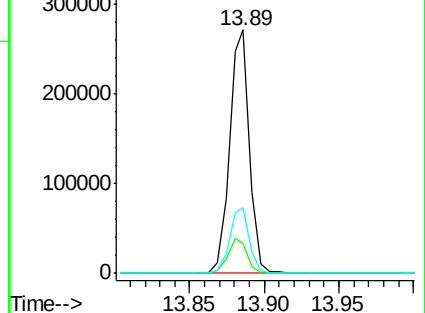
236 26.8 20.5 30.7



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: 8.257 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

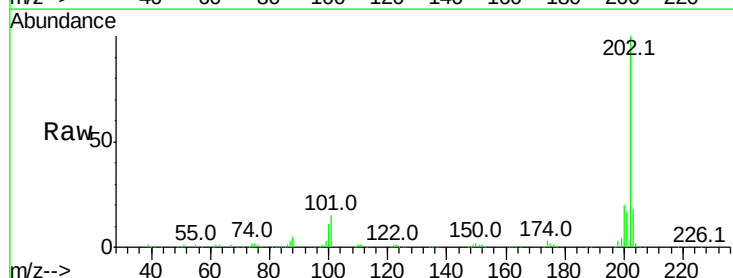
Tgt Ion:202 Resp: 172530

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

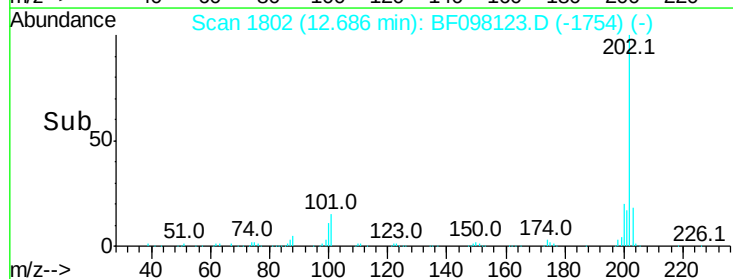
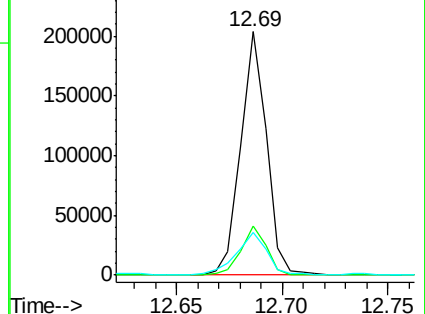
203 17.7 14.4 21.6

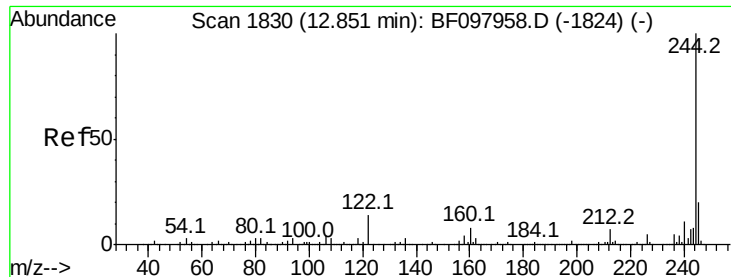


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

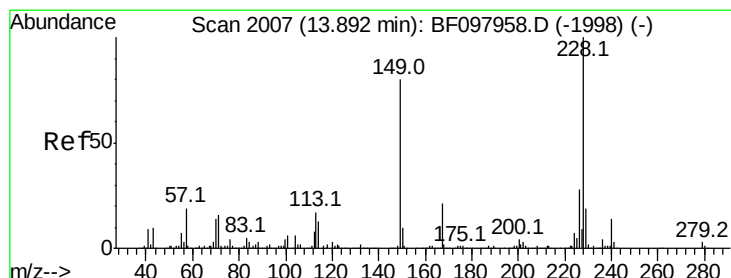
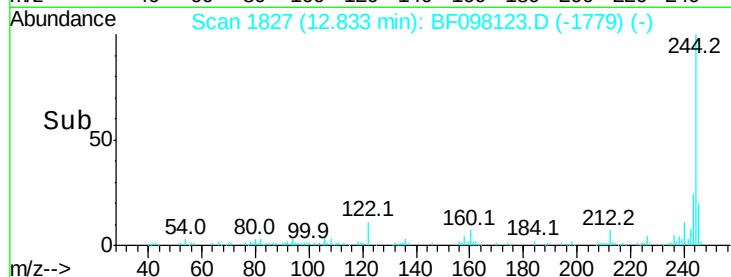
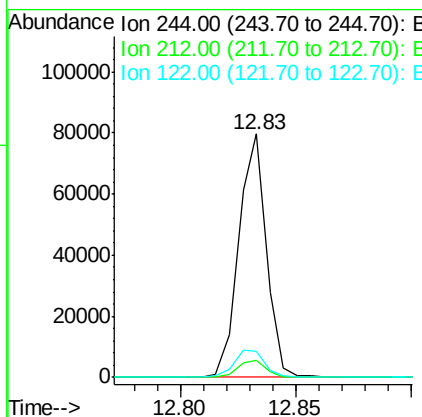
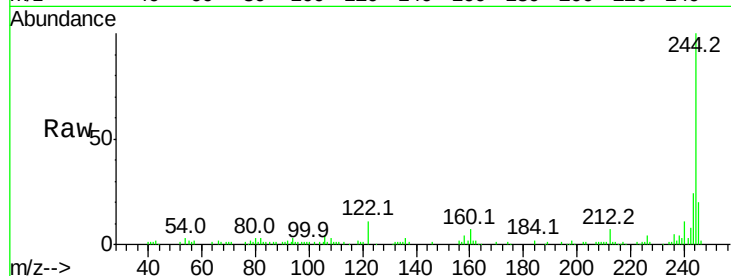




#78
 Terphenyl-d14
 Concen: 5.414 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

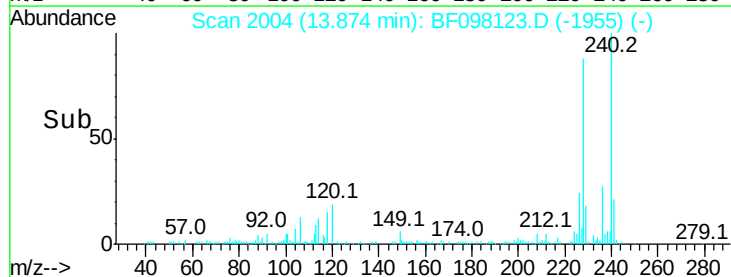
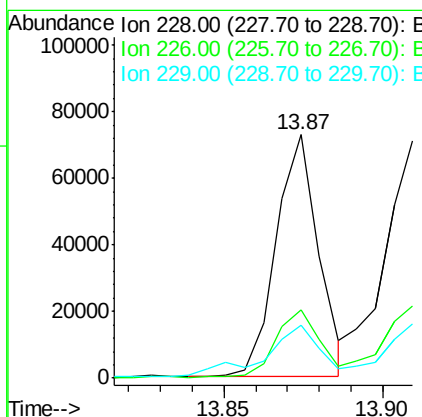
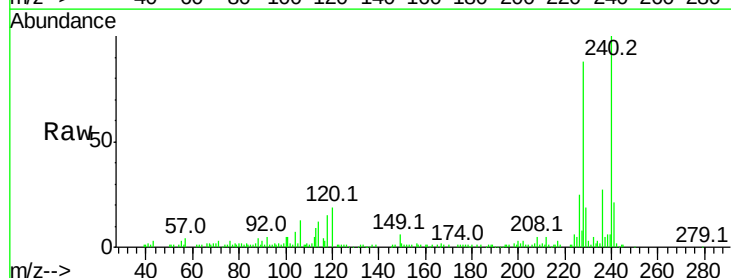
Instrument :
 BNA_F
 ClientSampled :

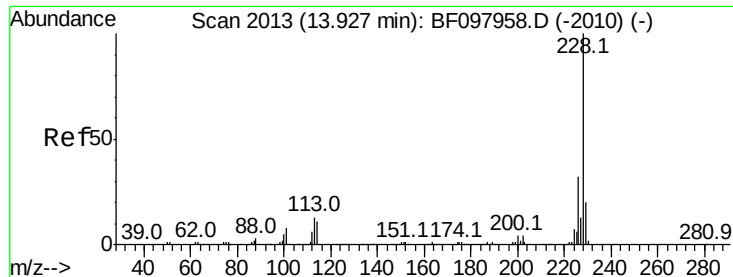
Tot Ion:244 Resp: 66328
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 10.7 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.428 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Tgt Ion:228 Resp: 67804
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 33.8
 229 21.6 16.3 24.5





#82

Chrysene

Concen: 4.495 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

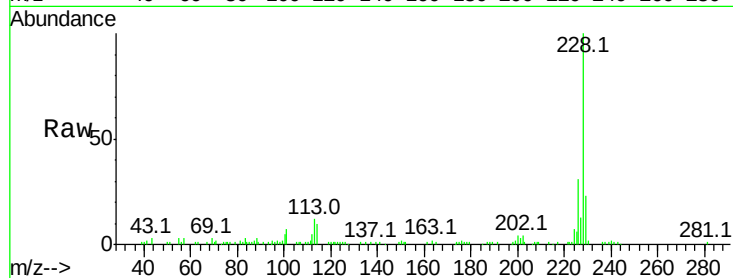
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 68462

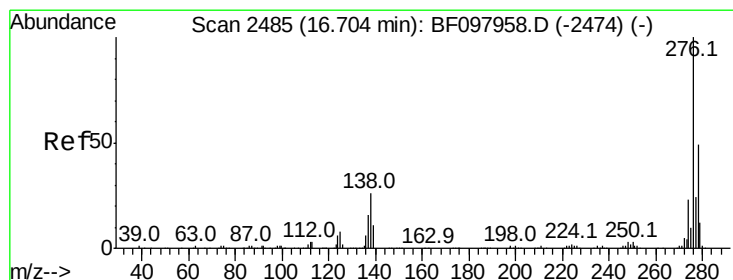
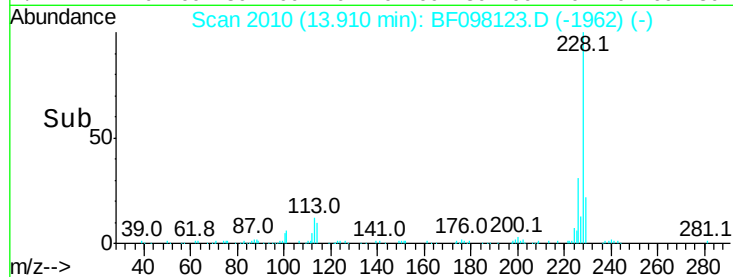
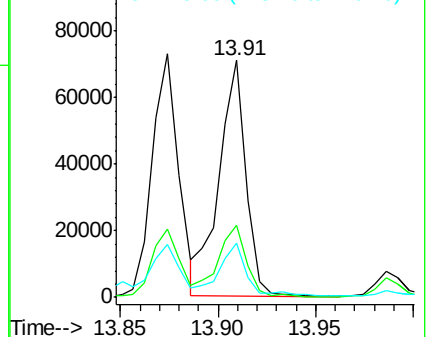
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	23.1	15.8	23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.903 ng

RT: 16.67 min Scan# 2479

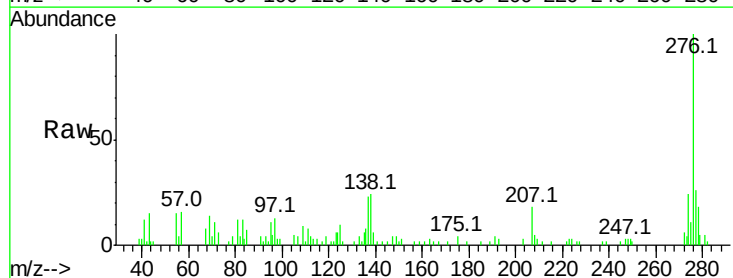
Delta R.T. -0.02 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

Tgt Ion:276 Resp: 32527

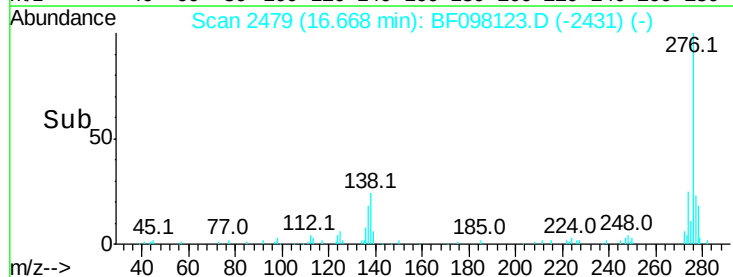
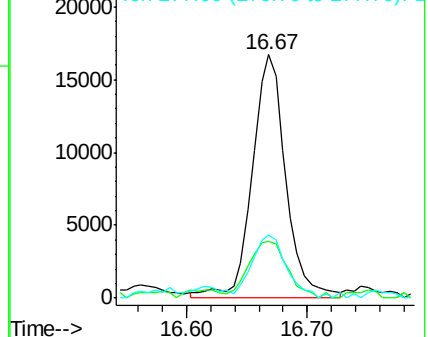
Ion	Ratio	Lower	Upper
276	100		
138	27.0	27.8	41.6#
277	25.9	20.2	30.4

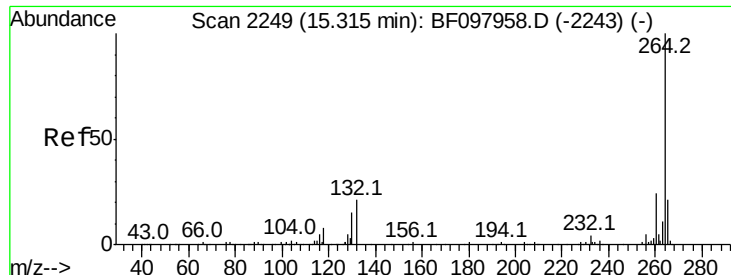


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

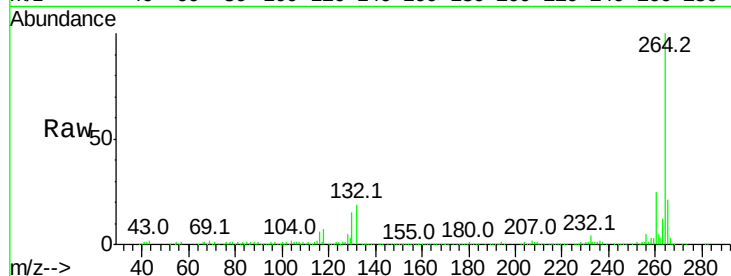




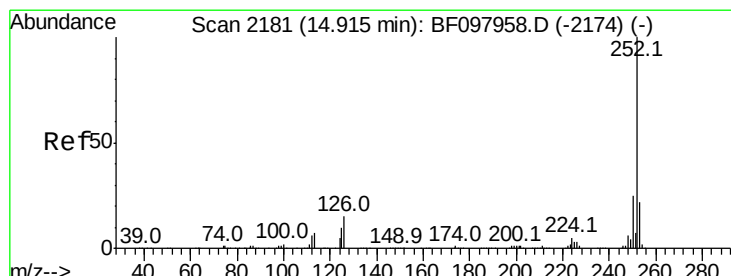
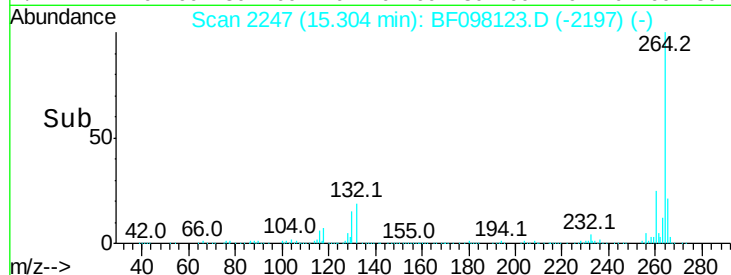
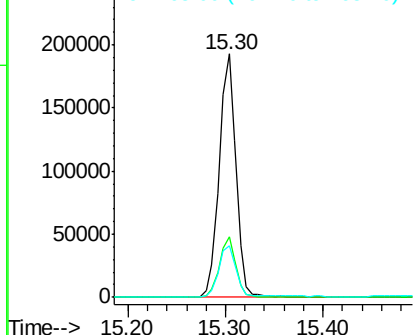
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 230735
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 21.4 17.2 25.8

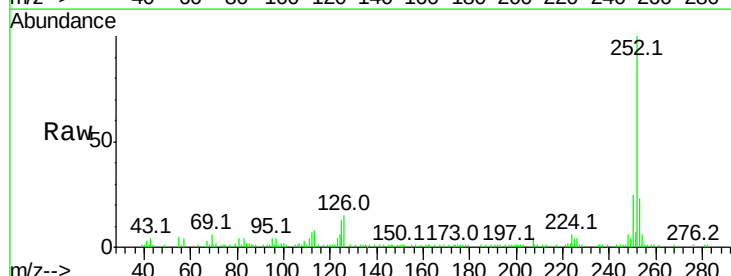


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

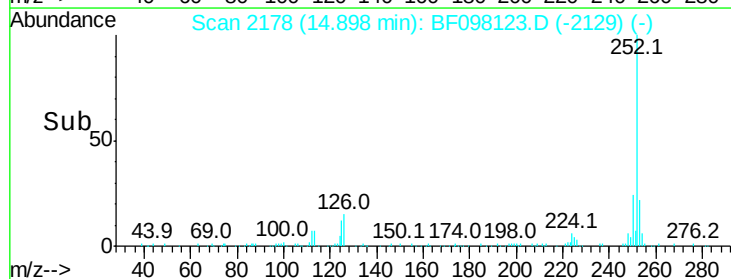
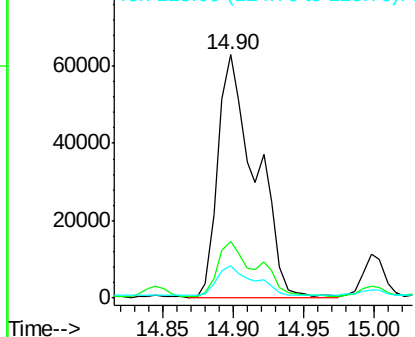


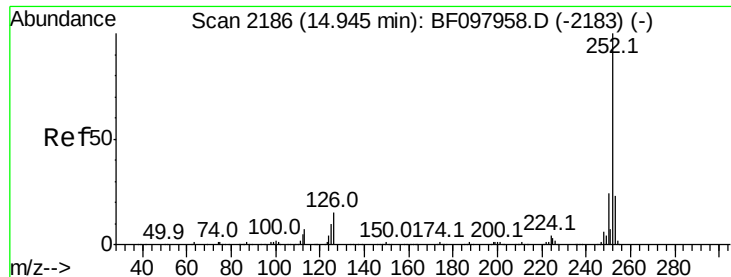
#87
Benzo(b)fluoranthene
Concen: 8.112 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Tgt Ion:252 Resp: 117983
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 13.1 9.8 14.8



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

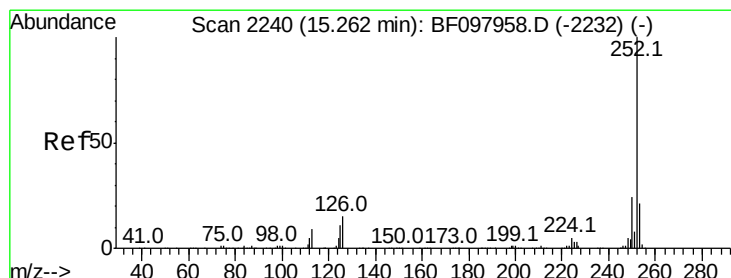
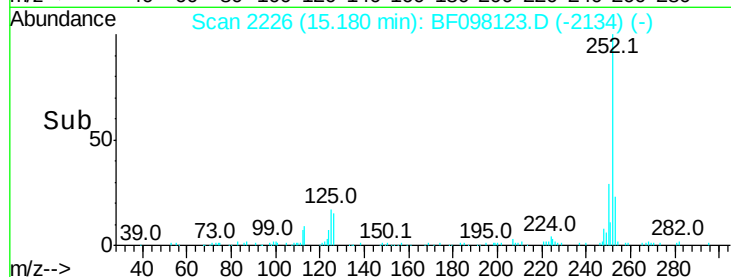
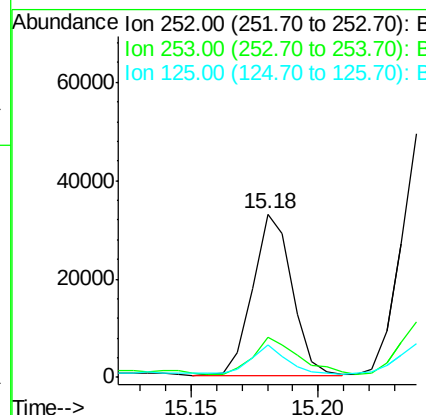
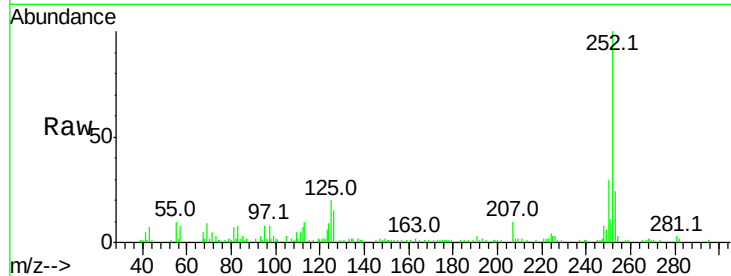




#88
Benzo(k)fluoranthene
Concen: 2.595 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.24 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

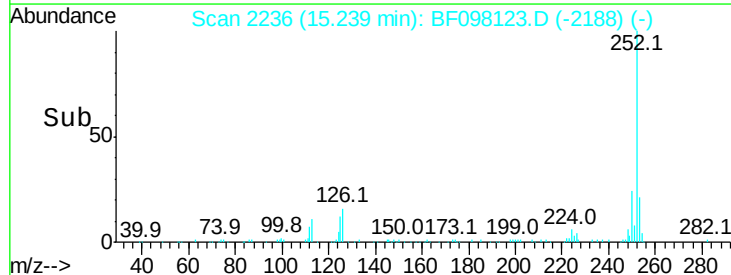
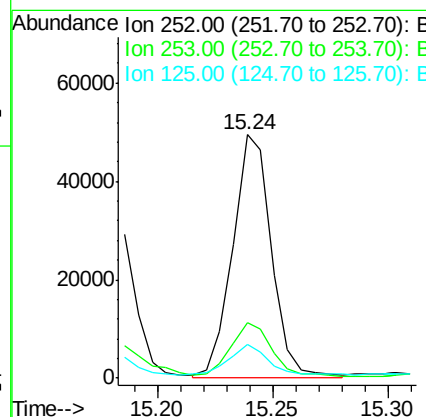
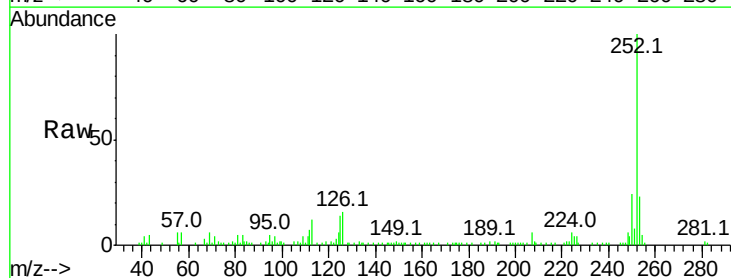
Instrument :
BNA_F
ClientSampleId :

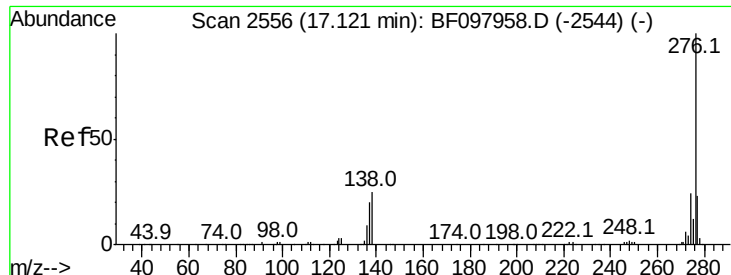
Tot Ion:252 Resp: 35465
Ion Ratio Lower Upper
252 100
253 24.2 18.4 27.6
125 19.7 13.1 19.7



#89
Benzo(a)pyrene
Concen: 4.531 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Tgt Ion:252 Resp: 58341
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 13.7 11.0 16.4

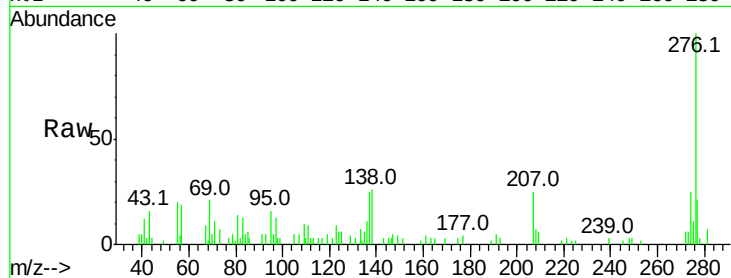




#91
 Benzo(a,h,i)perylene
 Concen: 2.570 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. -0.02 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	276	Resp:	28107
Ion	Ratio	Lower	Upper
276	100		
277	21.2	18.6	28.0
138	25.5	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

