

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
 Data File : BF099347.D
 Acq On : 11 Oct 2017 15:40
 Operator : SJ/JU
 Sample : I5748-07 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

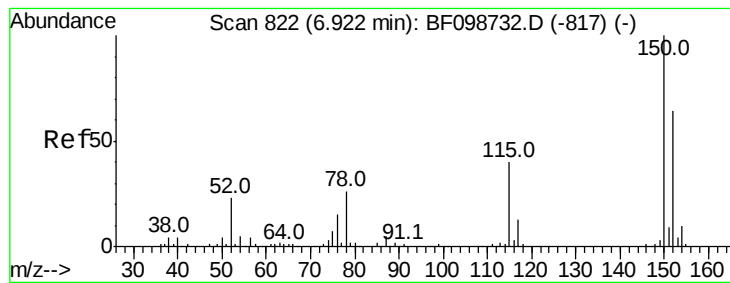
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 11 16:56:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	117417	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	483064	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	209710	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	329671	20.00	ng	0.00
75) Chrysene-d12	14.01	240	208485	20.00	ng	0.00
86) Perylene-d12	15.48	264	228203	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	101751	13.80	ng	0.00
7) Phenol-d6	6.47	99	124461	13.68	ng	-0.01
23) Nitrobenzene-d5	7.41	82	67558	8.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	15071	8.78	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	148769	11.84	ng	0.00
78) Terphenyl-d14	12.95	244	90682	9.89	ng	0.00
Target Compounds						
25) Isophorone	7.41	82	67557	4.338	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	27139	7.876	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	27139	6.069	ng	# 23
74) Fluoranthene	12.59	202	69391	3.883	ng	95
77) Pyrene	12.82	202	58521	3.681	ng	98
80) Benzo(a)anthracene	14.00	228	28051	2.222	ng	98
82) Chrysene	14.03	228	25537	2.125	ng	95
87) Benzo(b)fluoranthene	15.04	252	50669	3.611	ng	# 85
88) Benzo(k)fluoranthene	15.04	252	50669	3.656	ng	# 88
89) Benzo(a)pyrene	15.42	252	28115	2.183	ng	# 86

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

```
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Operator  : SJ/JU  
Sample    : I5748-07 5X  
Misc      :  
ALS Vial  : 11      Sample Multiplier: 1
```

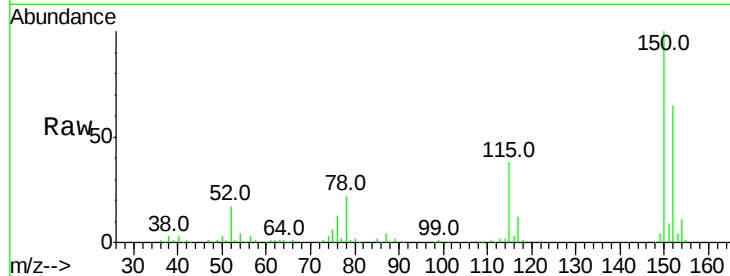


#1

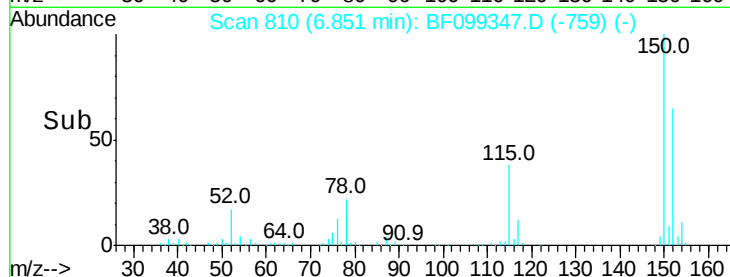
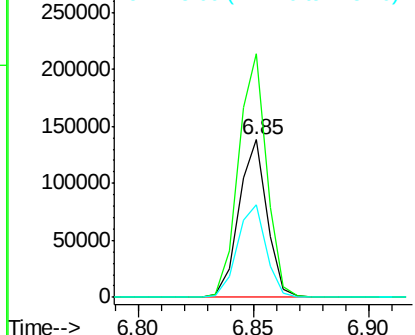
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF099347.D
 Acq: 11 Oct 2017 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 117417
 Ion Ratio Lower Upper
 152 100
 150 154.4 124.6 186.8
 115 58.5 50.1 75.1



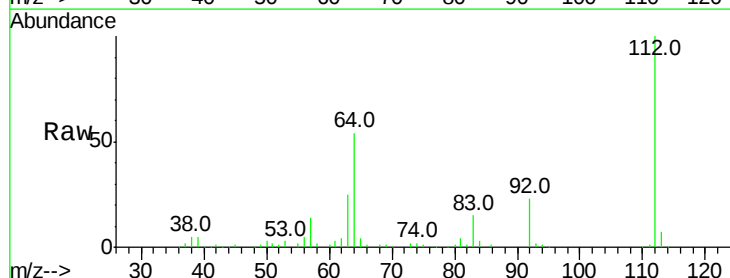
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



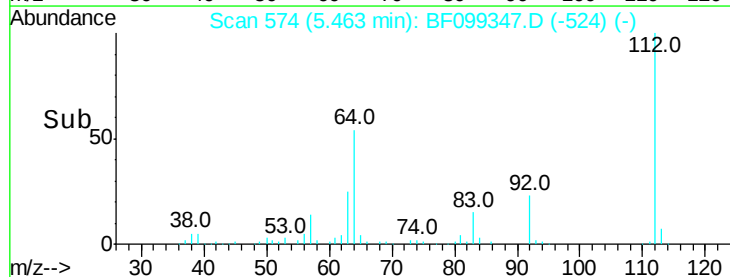
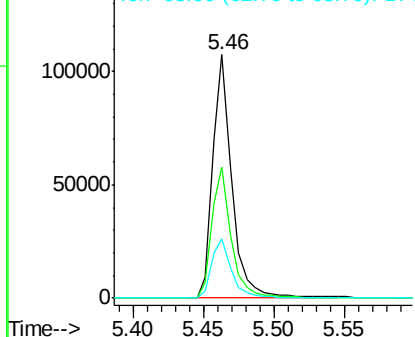
#5

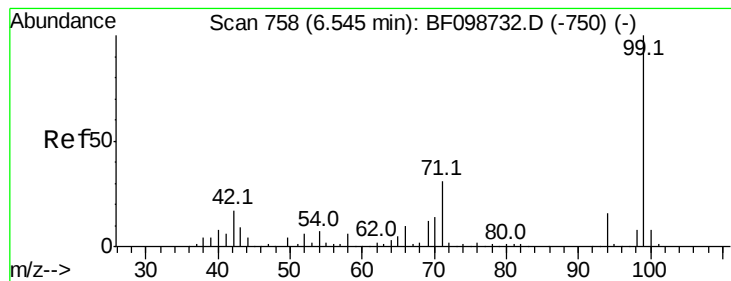
2-Fluorophenol
 Concen: 13.795 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF099347.D
 Acq: 11 Oct 2017 15:40

Tgt Ion:112 Resp: 101751
 Ion Ratio Lower Upper
 112 100
 64 54.1 47.9 71.9
 63 24.6 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: 13.679 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Instrument :

BNA_F

ClientSampleId :

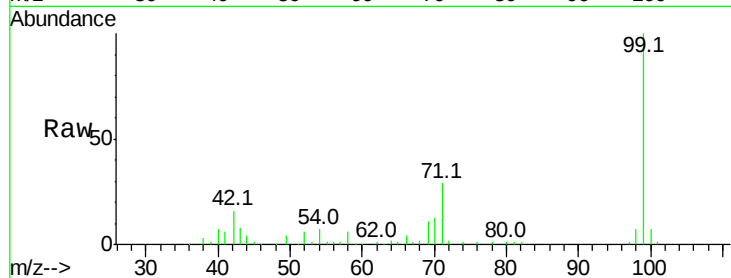
Tot Ion: 99 Resp: 124461

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

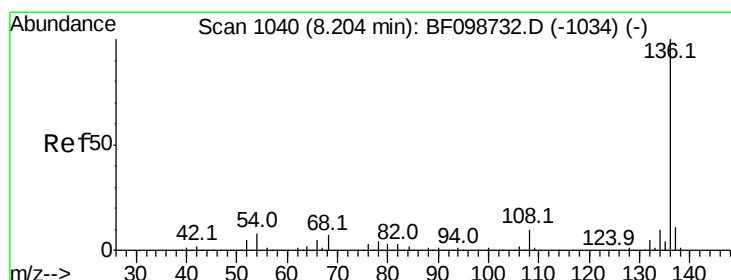
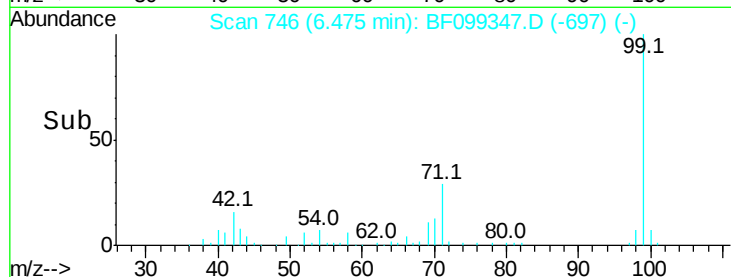
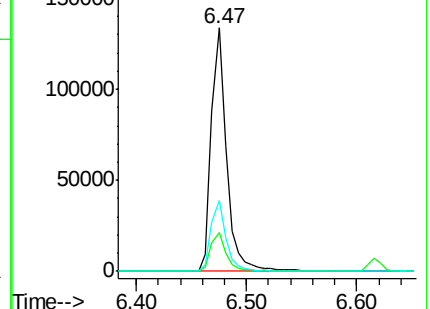
71 29.3 25.4 38.0



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: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Tgt Ion: 136 Resp: 483064

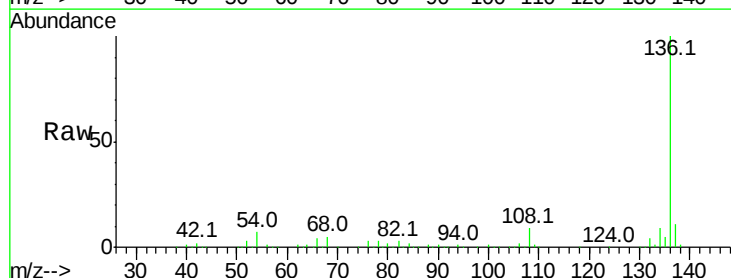
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.8 6.6 9.8

68 5.4 5.0 7.4

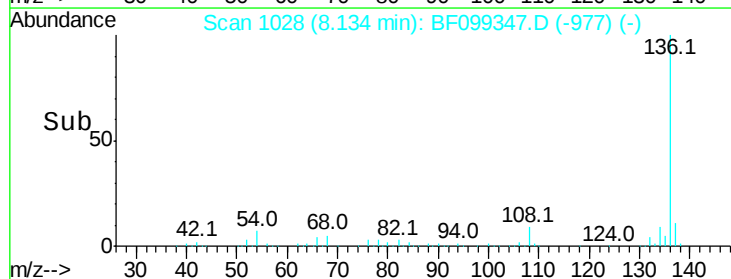
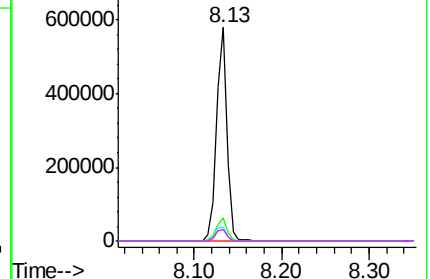


Abundance Ion 136.00 (135.70 to 136.70): E

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

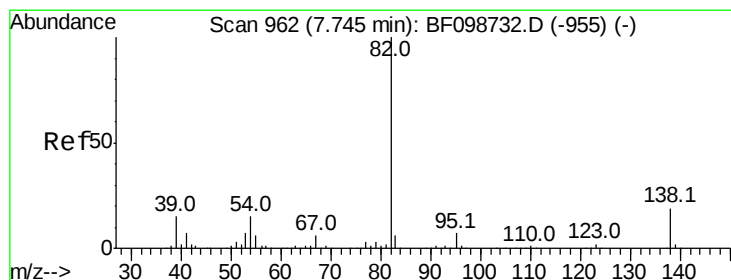
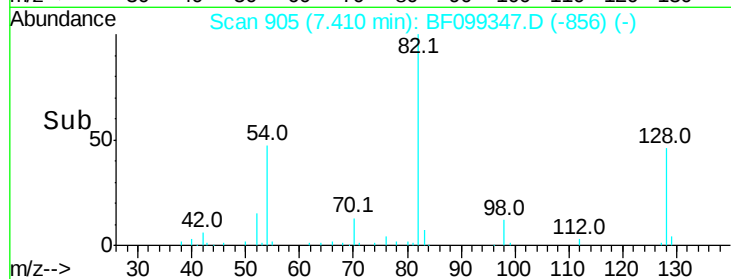
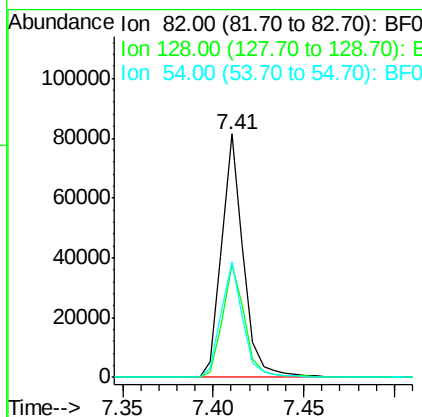
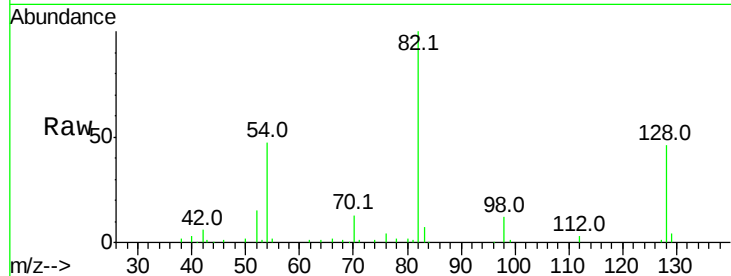




#23
 Nitrobenzene-d5
 Concen: 8.969 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF099347.D
 Acq: 11 Oct 2017 15:40

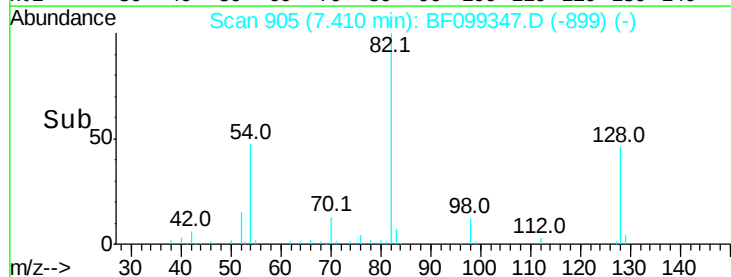
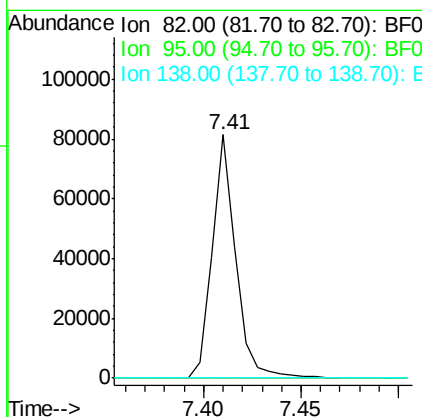
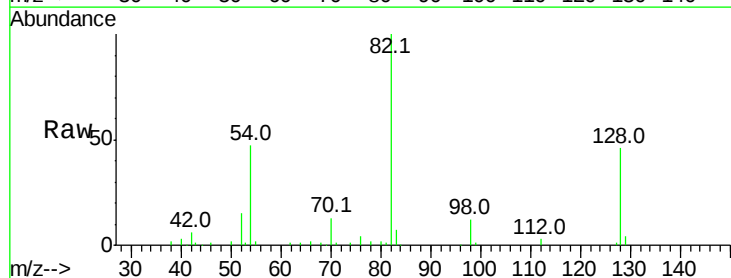
Instrument :
 BNA_F
 ClientSampled :

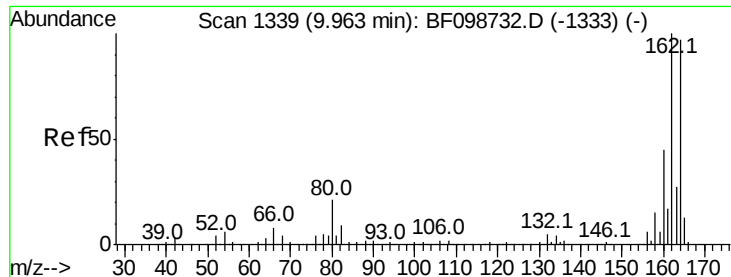
Tot Ion	82	Resp	67558
Ion Ratio	Lower	Upper	
82	100		
128	46.5	36.1	54.1
54	47.3	41.4	62.2



#25
 Isophorone
 Concen: 4.338 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF099347.D
 Acq: 11 Oct 2017 15:40

Tgt Ion	82	Resp	67557
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

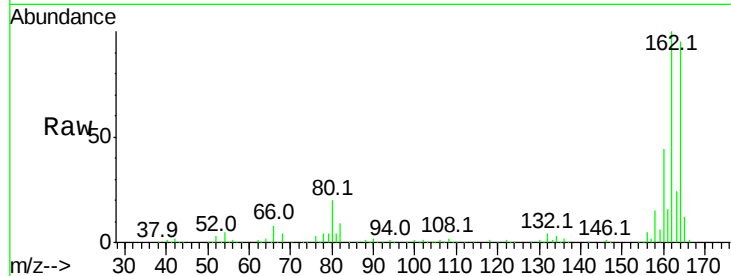




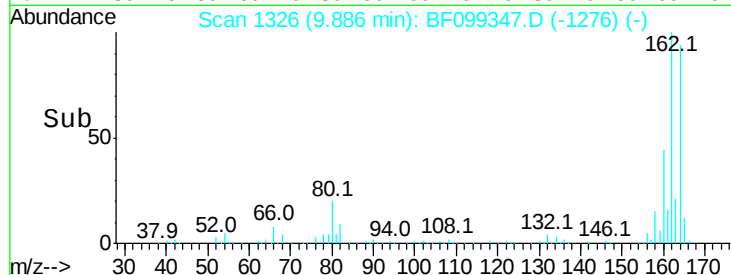
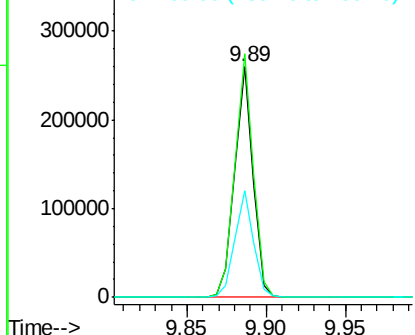
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 209710
Ion Ratio Lower Upper
164 100
162 105.6 86.1 129.1
160 46.3 38.3 57.5

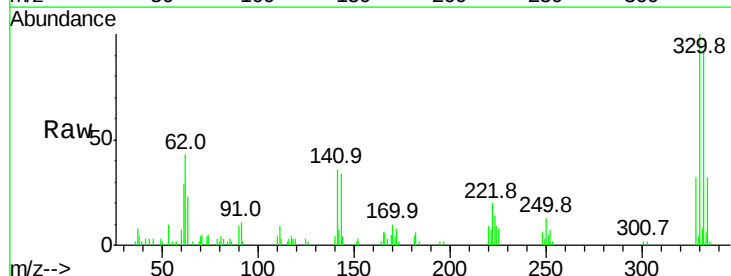


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

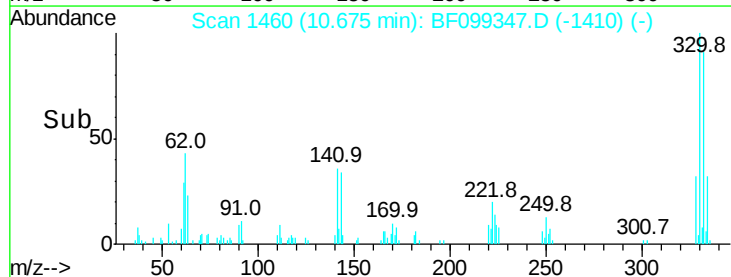
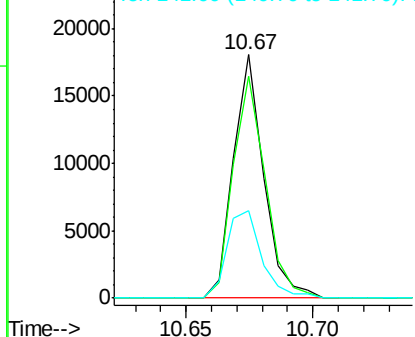


#41
2,4,6-Tribromophenol
Concen: 8.783 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Tgt Ion:330 Resp: 15071
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 41.4 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

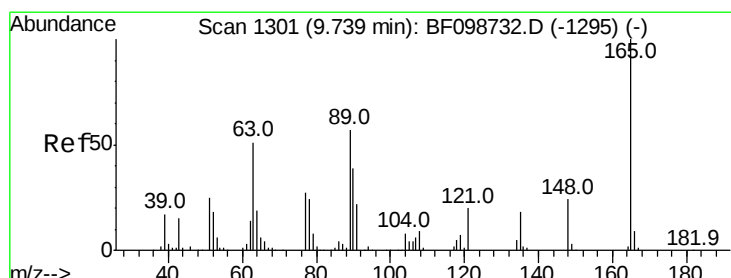
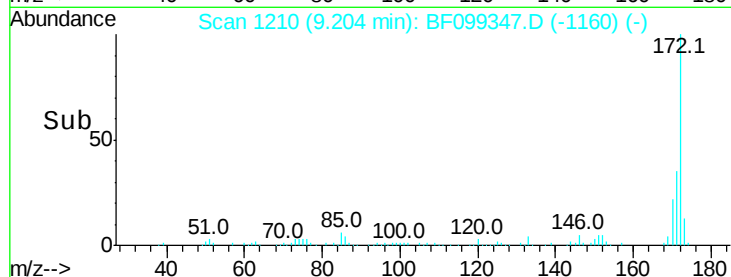
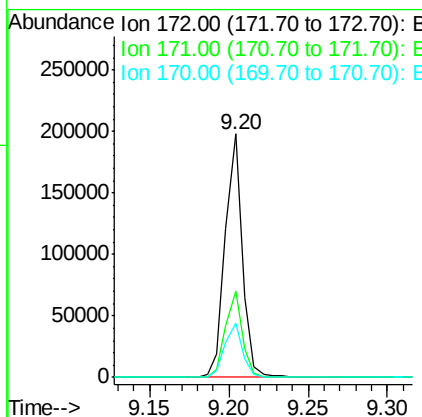
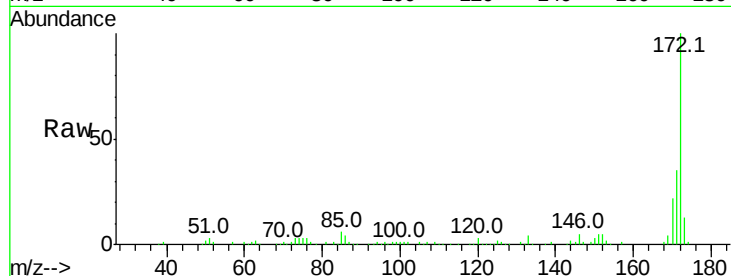




#44
 2-Fluorobiphenyl
 Concen: 11.843 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099347.D
 Acq: 11 Oct 2017 15:40

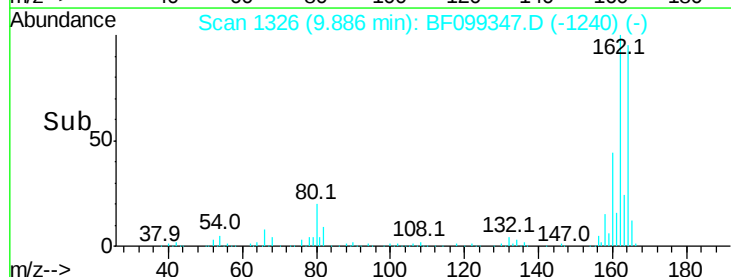
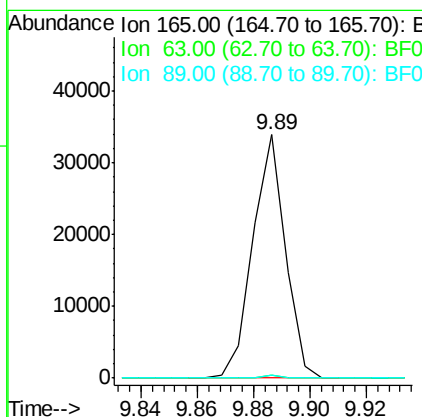
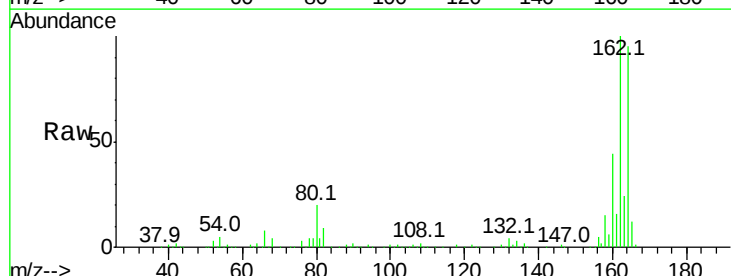
Instrument :
 BNA_F
 ClientSampleId :

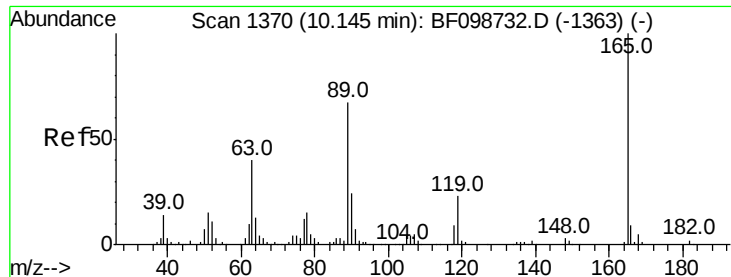
Tot Ion:172 Resp: 148769
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 22.4 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.876 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF099347.D
 Acq: 11 Oct 2017 15:40

Tgt Ion:165 Resp: 27139
 Ion Ratio Lower Upper
 165 100
 63 1.0 44.7 67.1#
 89 1.1 44.0 66.0#

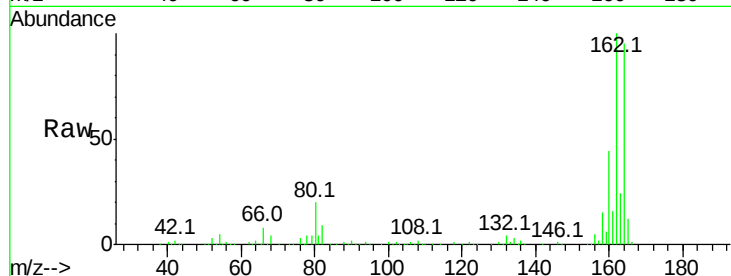




#56
 2,4-Dinitrotoluene
 Concen: 6.069 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF099347.D
 Acq: 11 Oct 2017 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	27139
Ion Ratio	Lower	Upper
165	100	
63	1.0	36.4 54.6#
89	1.1	57.8 86.6#
182	0.0	1.6 2.4#

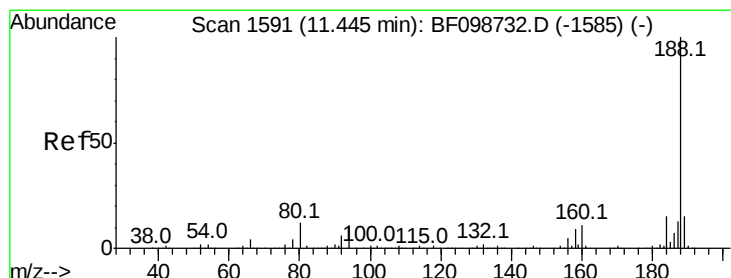
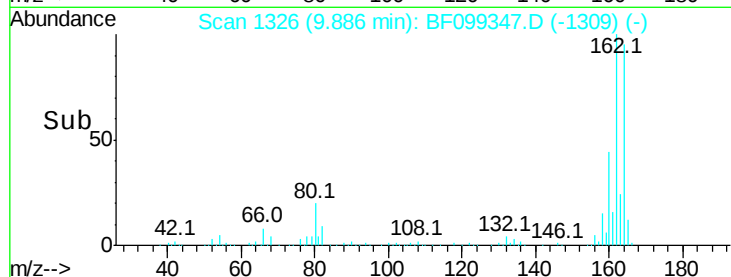
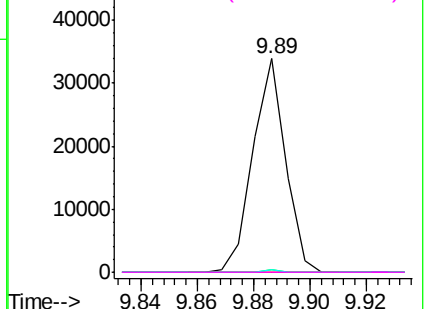


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

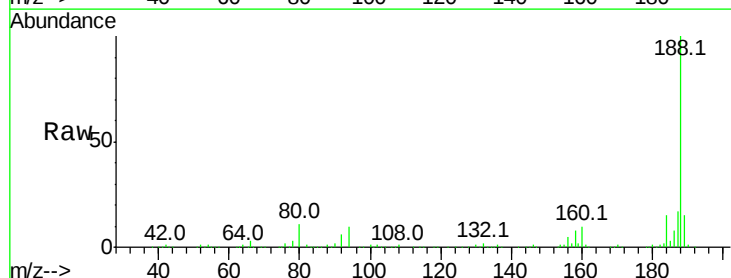
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF099347.D
 Acq: 11 Oct 2017 15:40

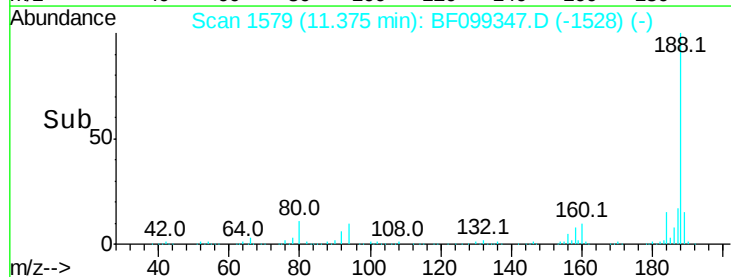
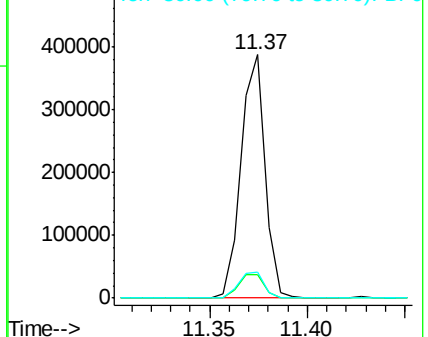
Tgt Ion:188	Resp:	329671
Ion Ratio	Lower	Upper
188	100	
94	9.8	8.5 12.7
80	10.6	9.2 13.8

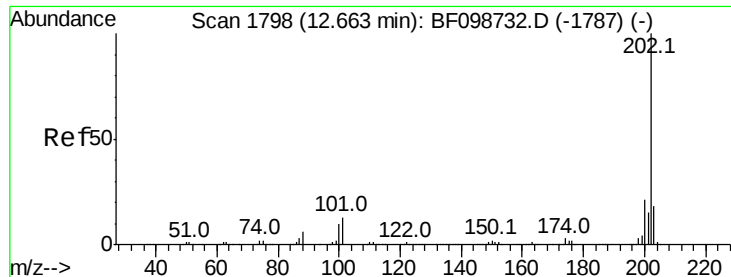


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 3.883 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Instrument :

BNA_F

ClientSampleId :

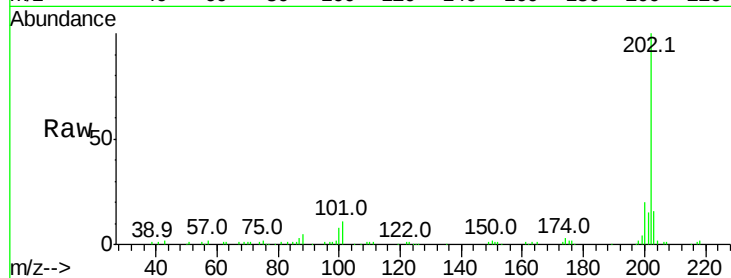
Tot Ion:202 Resp: 69391

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

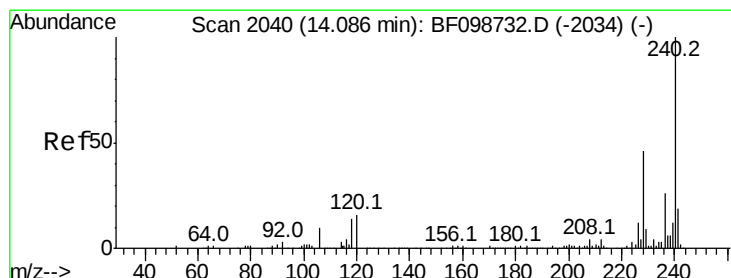
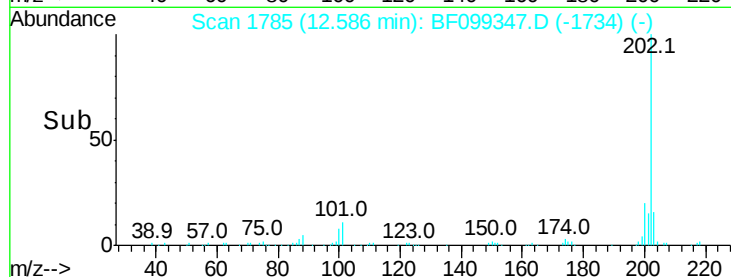
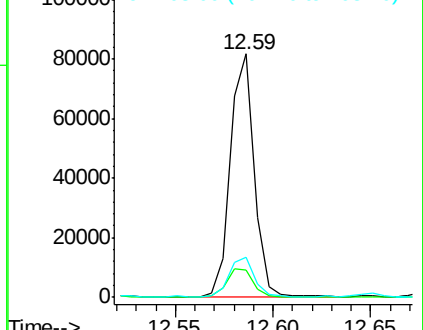
203 16.4 0.0 38.1



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: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

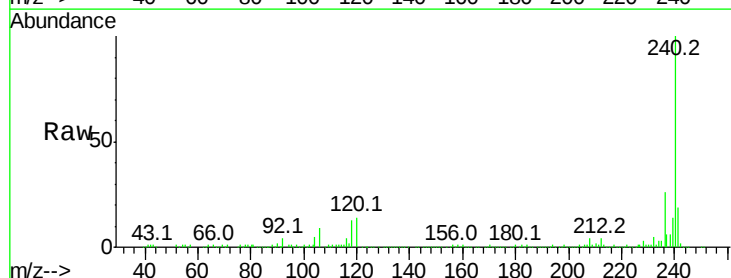
Tgt Ion:240 Resp: 208485

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

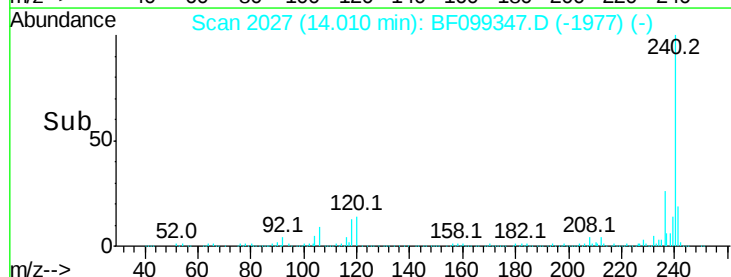
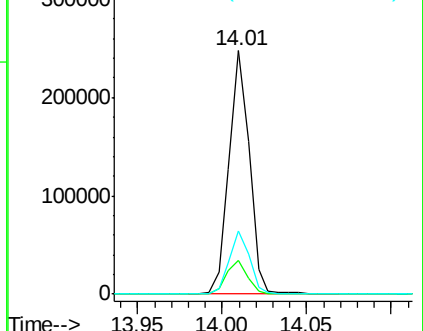
236 25.8 20.7 31.1

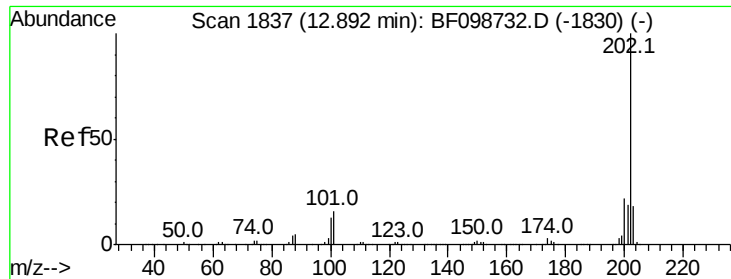


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

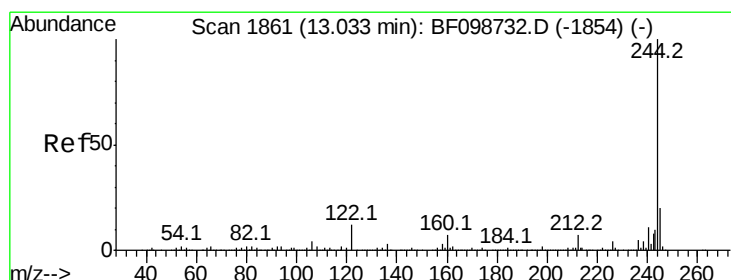
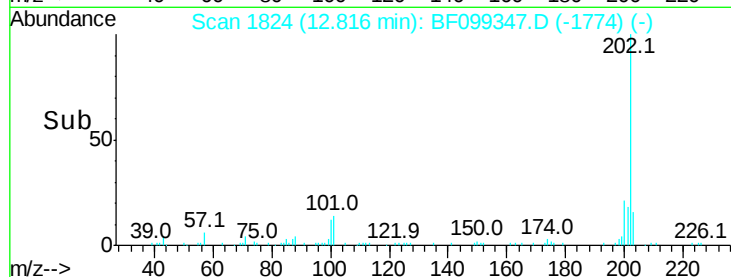
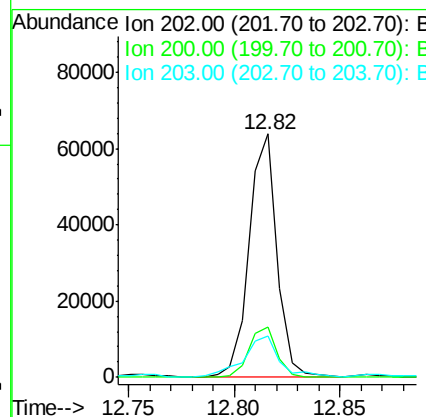
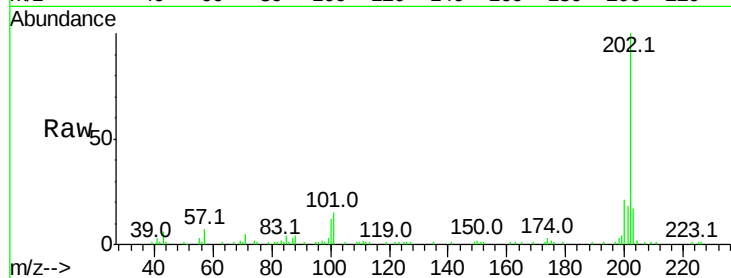




#77
Pvrene
Concen: 3.681 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

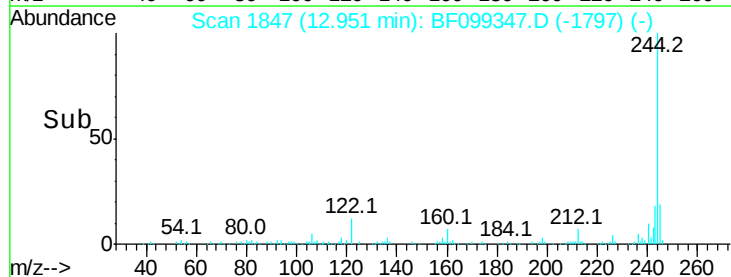
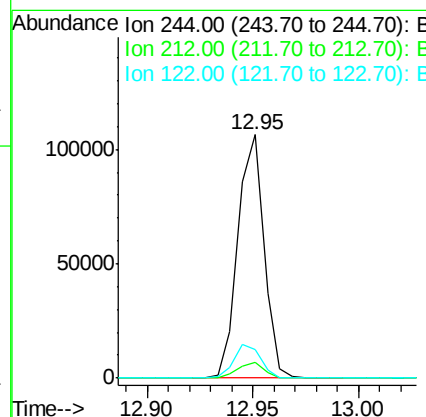
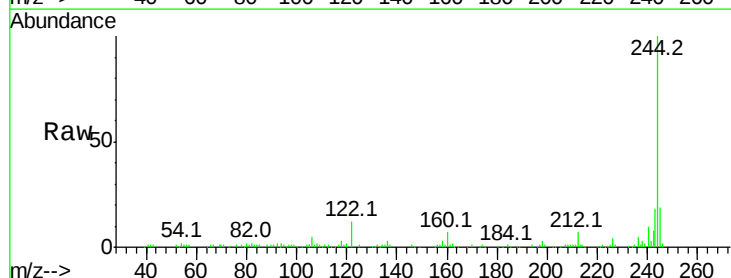
Instrument :
BNA_F
ClientSampleId :

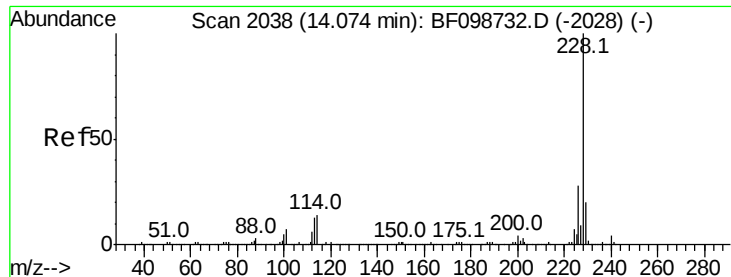
Tot Ion:202 Resp: 58521
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.1 14.3 21.5



#78
Terphenyl-d14
Concen: 9.892 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Tgt Ion:244 Resp: 90682
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 11.8 11.0 16.4





#80

Benzo(a)anthracene

Concen: 2.222 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

Instrument :

BNA_F

ClientSampleId :

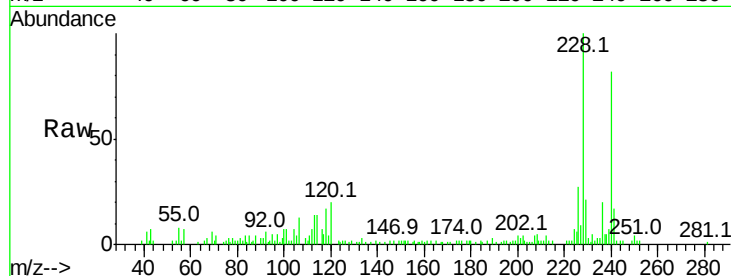
Tot Ion:228 Resp: 28051

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

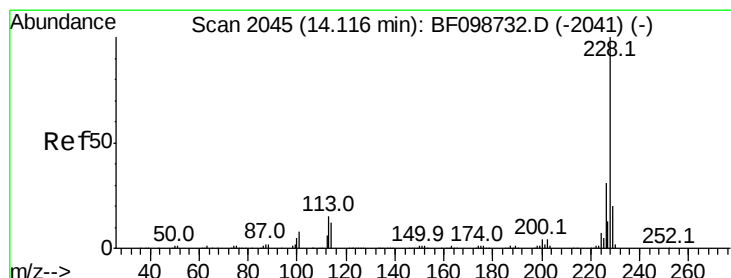
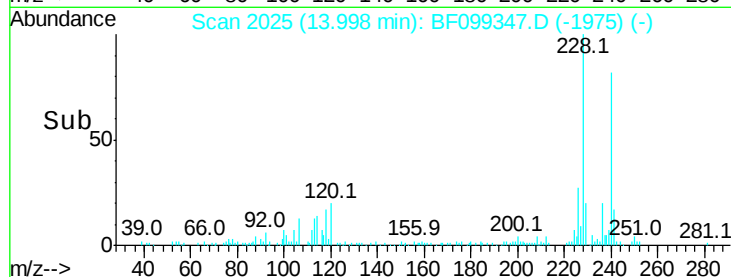
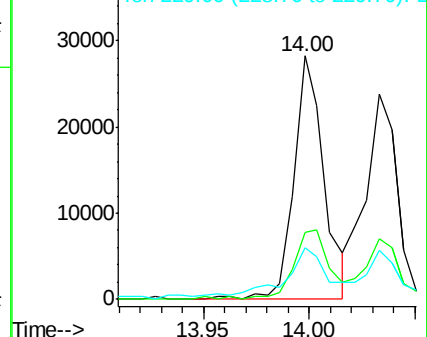
229 21.1 15.8 23.6



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: 2.125 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF099347.D

Acq: 11 Oct 2017 15:40

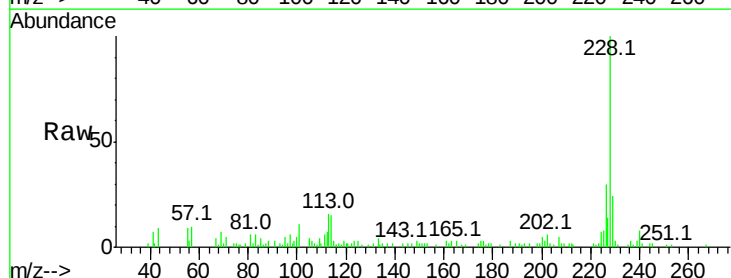
Tgt Ion:228 Resp: 25537

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

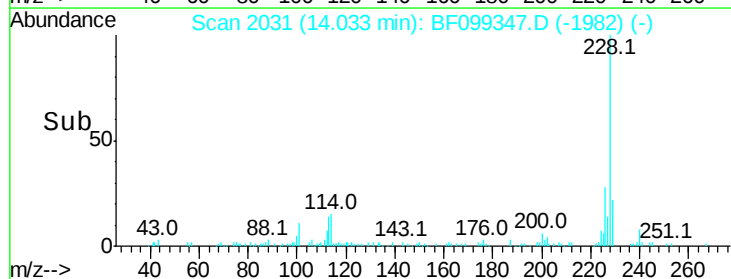
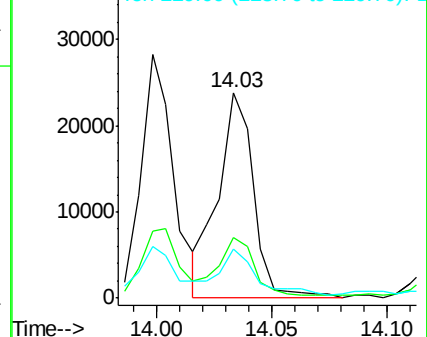
229 23.9 16.2 24.4

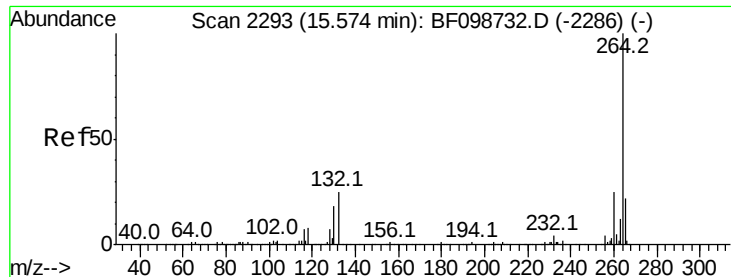


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

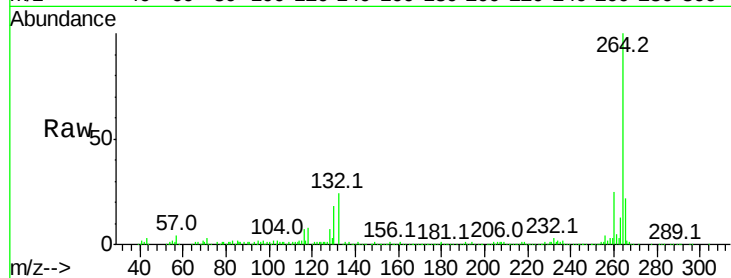




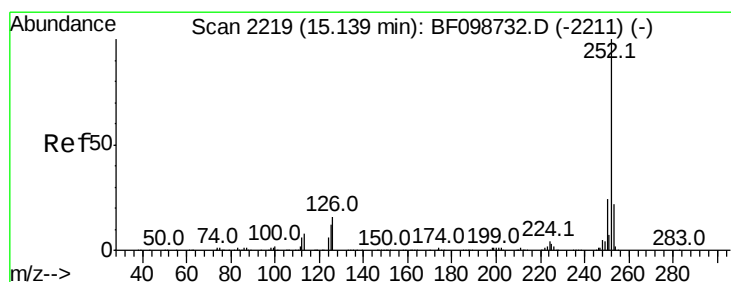
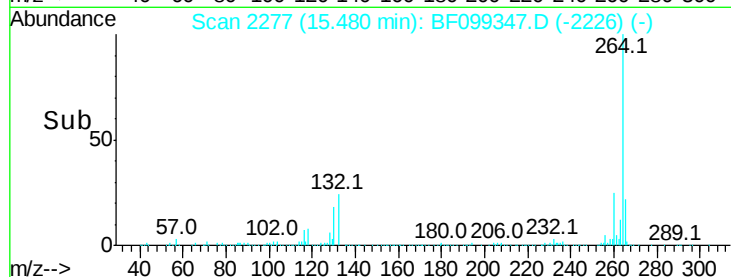
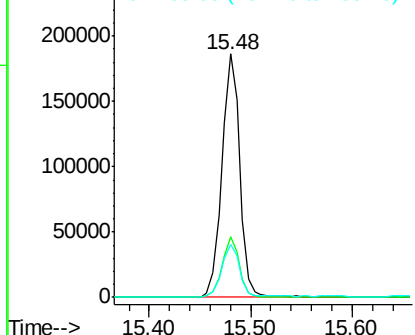
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 228203
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 21.9 17.5 26.3

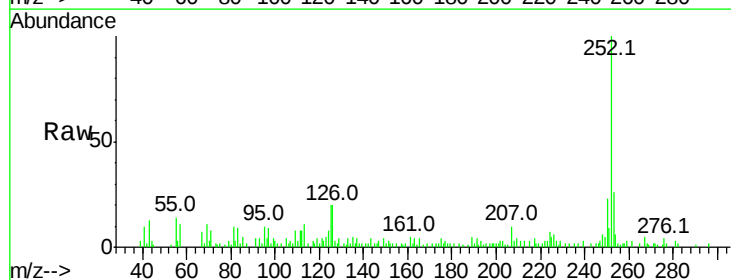


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

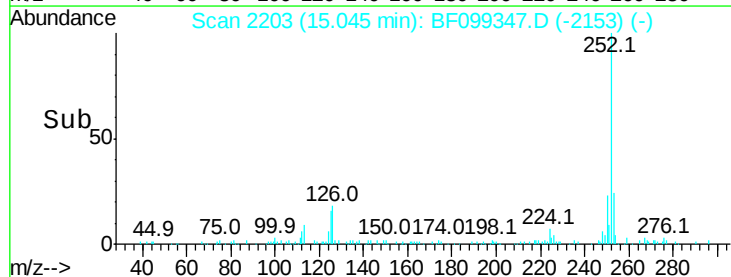
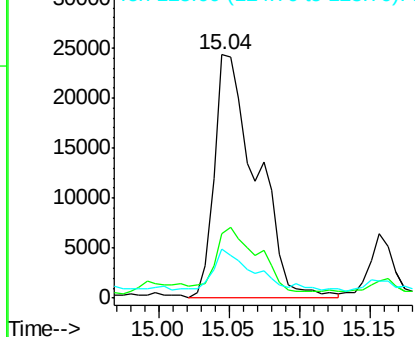


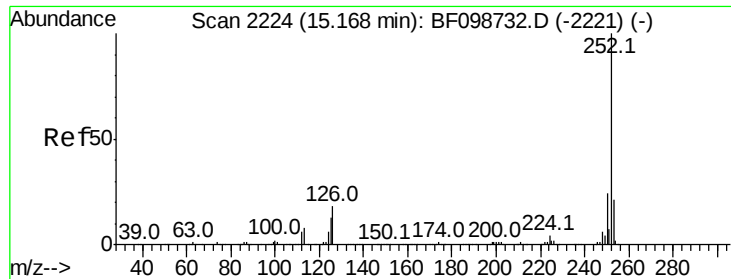
#87
Benzo(b)fluoranthene
Concen: 3.611 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Tgt Ion:252 Resp: 50669
Ion Ratio Lower Upper
252 100
253 26.2 17.0 25.6#
125 20.3 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

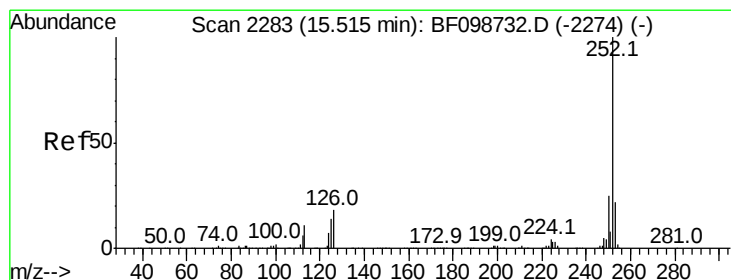
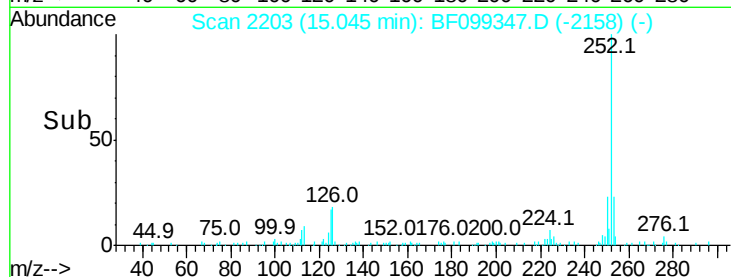
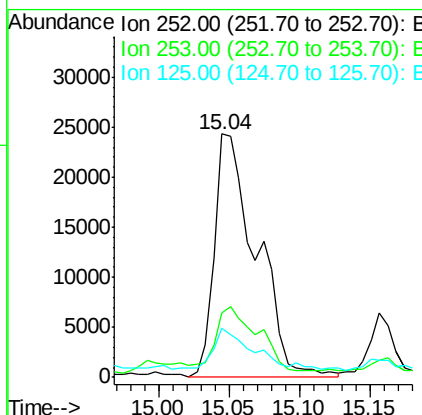
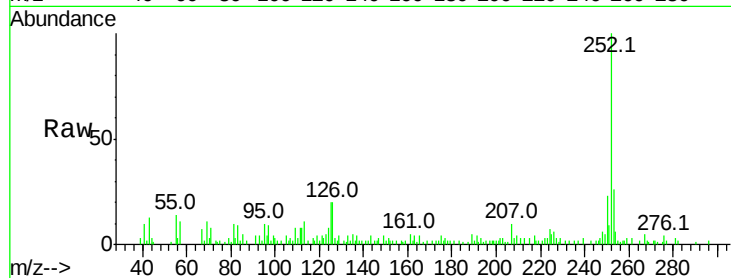




#88
Benzo(k)fluoranthene
Concen: 3.656 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 50669
Ion Ratio Lower Upper
252 100
253 26.2 17.9 26.9
125 20.3 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.183 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF099347.D
Acq: 11 Oct 2017 15:40

Tgt Ion:252 Resp: 28115
Ion Ratio Lower Upper
252 100
253 26.4 17.1 25.7#
125 19.8 9.8 14.6#

