

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099325.D
 Acq On : 11 Oct 2017 3:01
 Operator : SJ/JU
 Sample : I5745-04 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 11 04:59:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

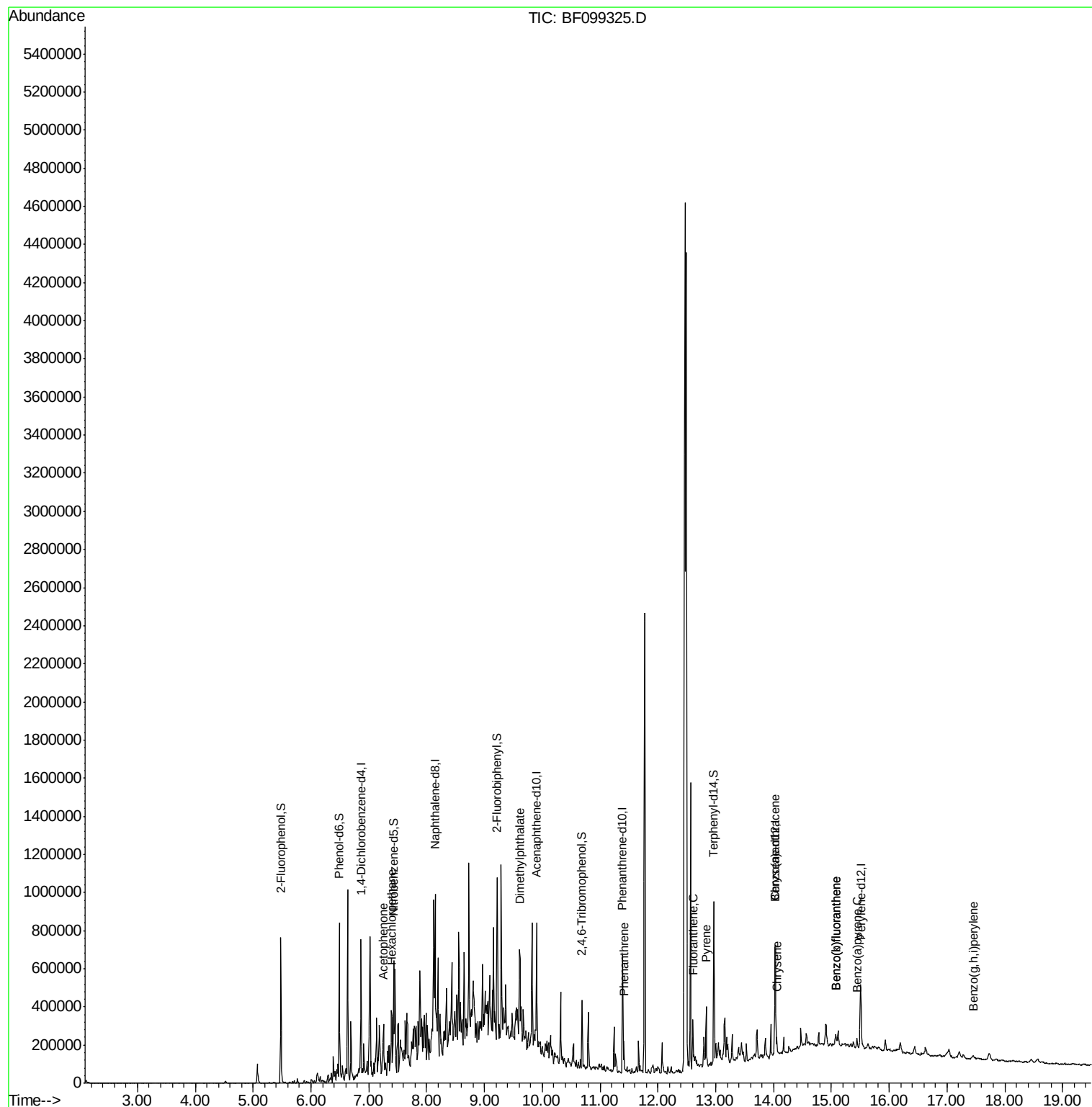
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	93300	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	342853	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	131981	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	219889	20.00	ng	0.00
75) Chrysene-d12	14.03	240	189839	20.00	ng	0.00
86) Perylene-d12	15.51	264	131688	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	248509	42.40	ng	0.00
7) Phenol-d6	6.49	99	289892	40.10	ng	0.00
23) Nitrobenzene-d5	7.43	82	147781	27.64	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	42011	38.90	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	277600	35.11	ng	0.00
78) Terphenyl-d14	12.97	244	238836	28.61	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.39	117	11535	4.54	ng	# 1
22) Acetophenone	7.25	105	52488	6.32	ng	# 58
49) Dimethylphthalate	9.61	163	42560	4.27	ng	# 97
70) Phenanthrene	11.41	178	53247	4.52	ng	99
74) Fluoranthene	12.60	202	83468	7.00	ng	95
77) Pyrene	12.83	202	76336	5.27	ng	98
80) Benzo(a)anthracene	14.02	228	33156	2.88	ng	98
82) Chrysene	14.06	228	31971	2.92	ng	97
87) Benzo(b)fluoranthene	15.07	252	39596	4.89	ng	# 82
88) Benzo(k)fluoranthene	15.07	252	39596	4.95	ng	# 85
89) Benzo(a)pyrene	15.44	252	19938	2.68	ng	# 84
91) Benzo(a,h,i)perylene	17.45	276	12048	2.05	ng	# 82

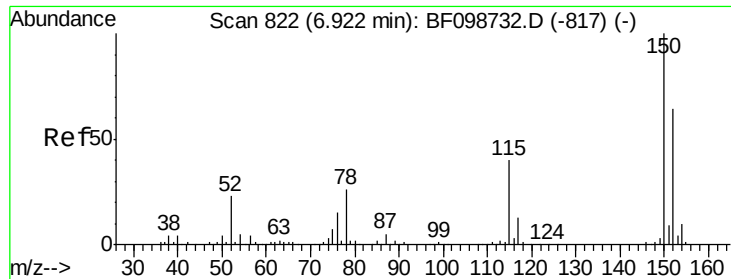
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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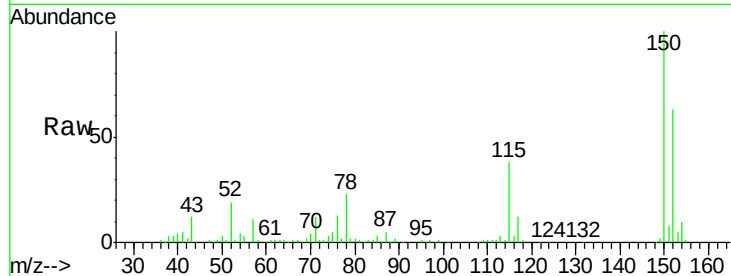




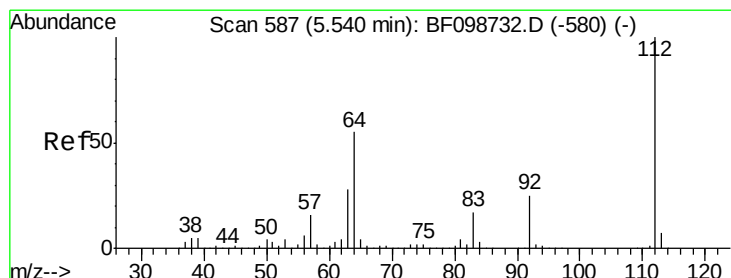
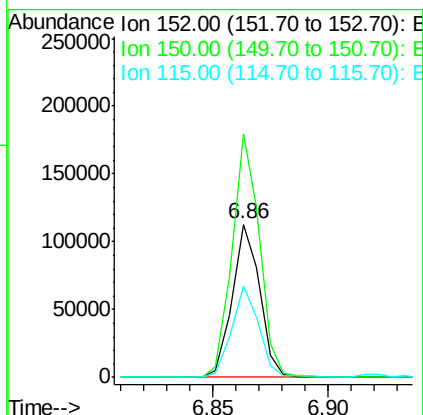
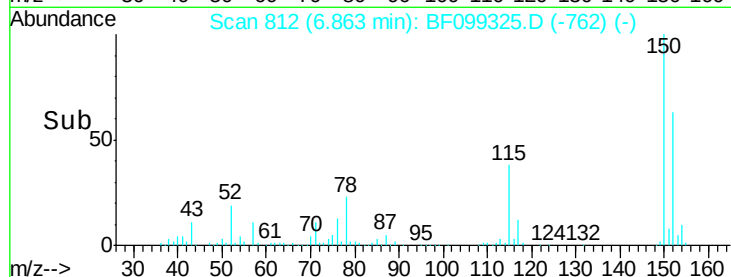
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099325.D
 Acq: 11 Oct 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 93300
 Ion Ratio Lower Upper
 152 100
 150 158.9 124.6 186.8
 115 59.9 50.1 75.1

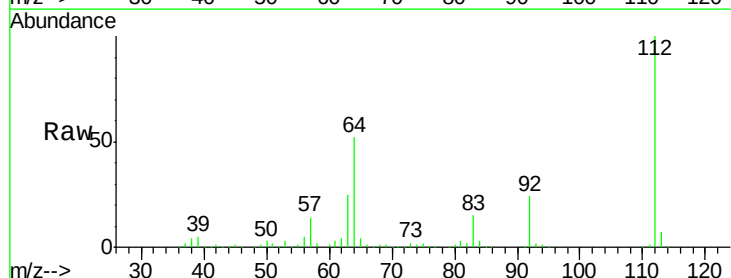


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

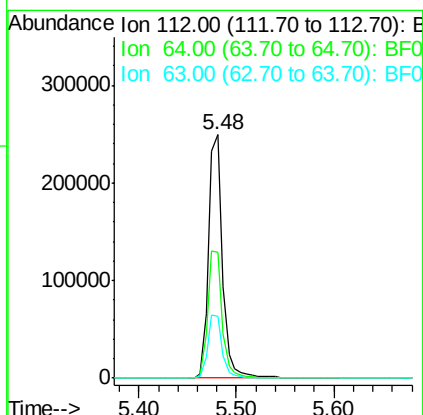
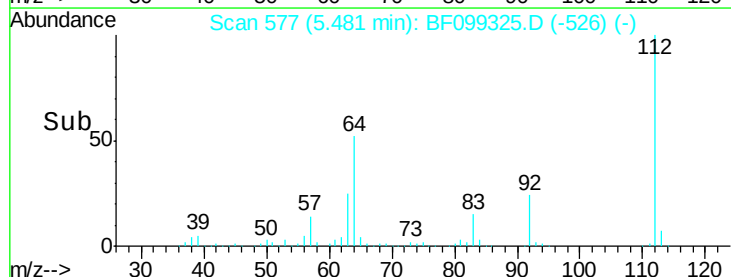


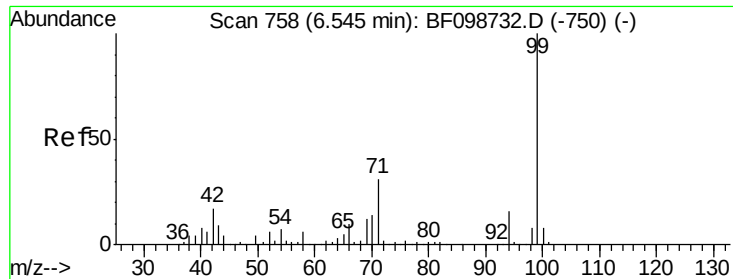
#5
 2-Fluorophenol
 Concen: 42.40 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF099325.D
 Acq: 11 Oct 2017 3:01

Tgt Ion:112 Resp: 248509
 Ion Ratio Lower Upper
 112 100
 64 51.9 47.9 71.9
 63 25.5 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: 40.10 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

Instrument :

BNA_F

ClientSampleId :

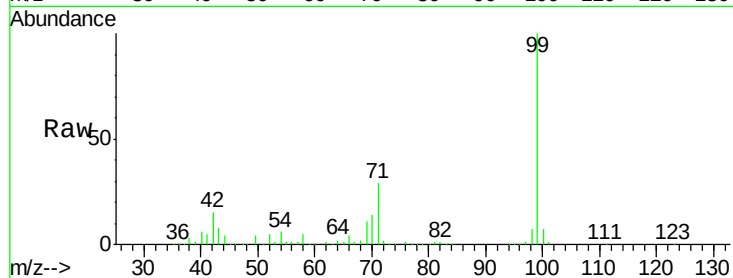
Tot Ion: 99 Resp: 289892

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

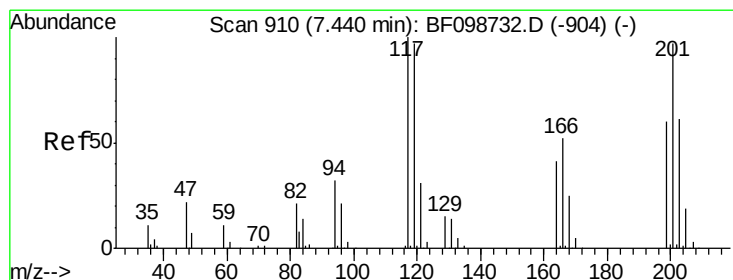
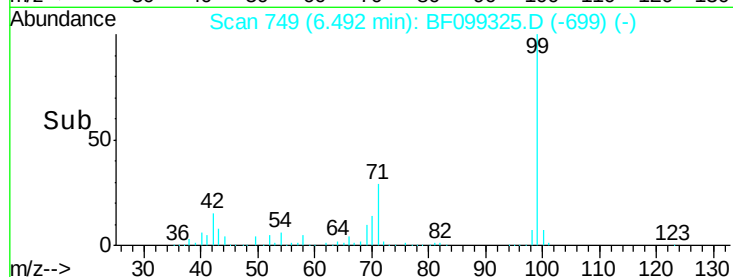
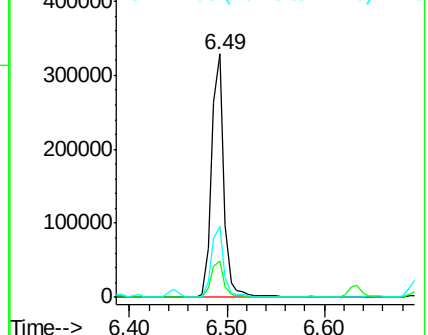
71 28.9 25.4 38.0



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



#18

Hexachloroethane

Concen: 4.54 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

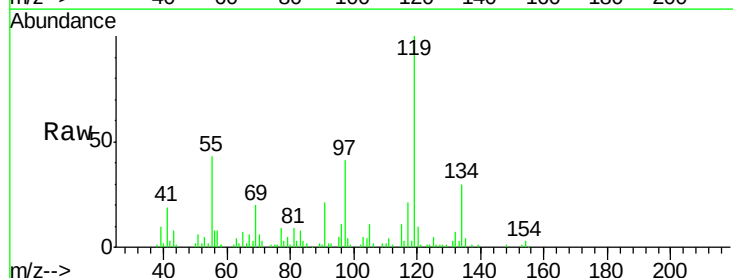
Tgt Ion: 117 Resp: 11535

Ion Ratio Lower Upper

117 100

119 479.0 75.8 113.8#

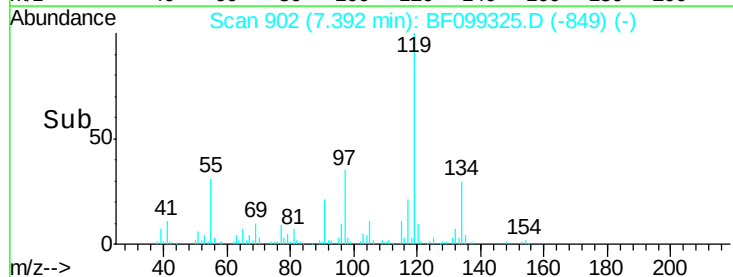
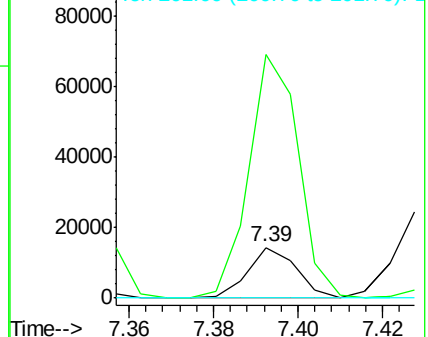
201 0.0 75.7 113.5#

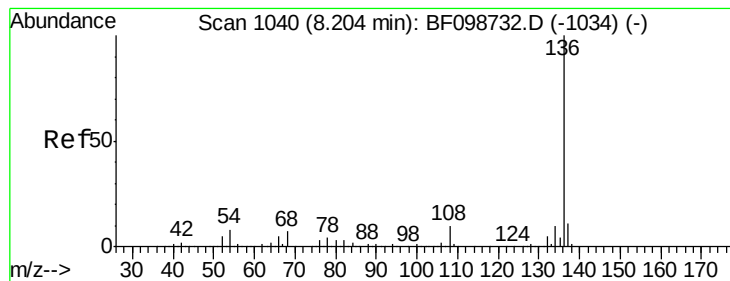


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 342853

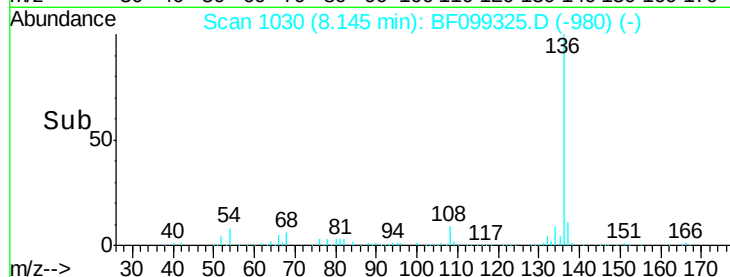
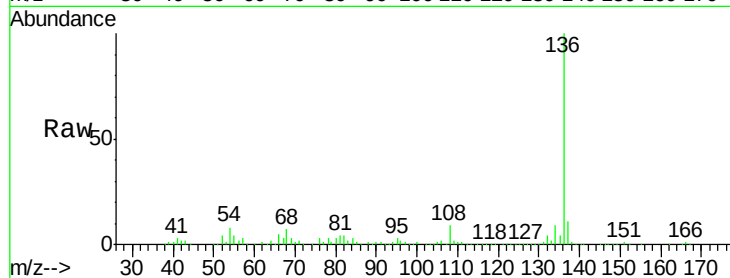
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 8.3 6.6 9.8

68 6.9 5.0 7.4

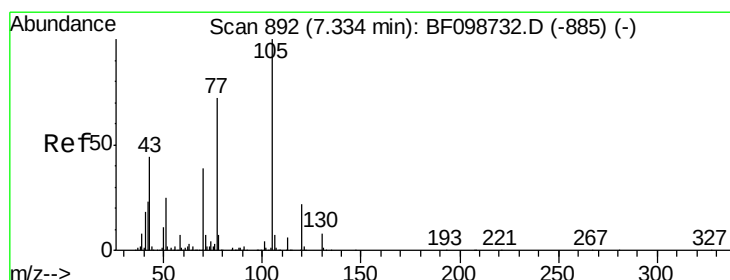
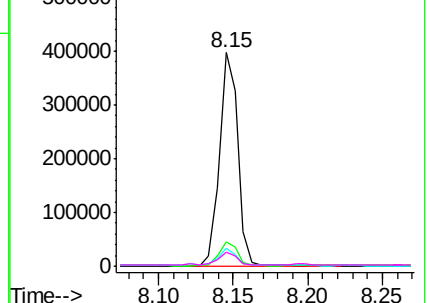


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 6.32 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.03 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

Tgt Ion:105 Resp: 52488

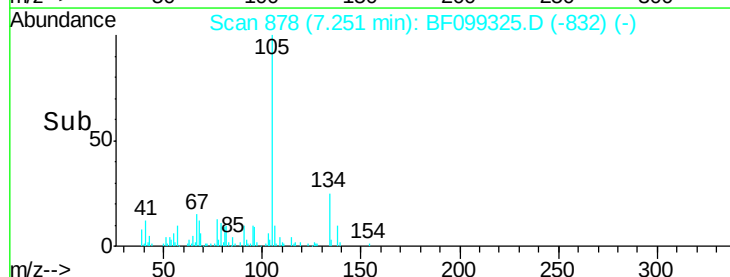
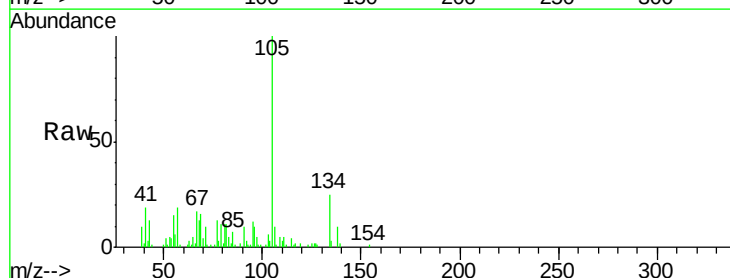
Ion Ratio Lower Upper

105 100

71 9.8 4.4 6.6#

51 4.1 22.3 33.5#

120 0.0 16.9 25.3#

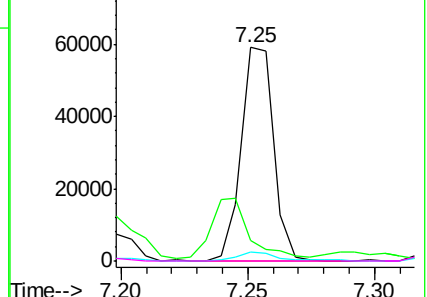


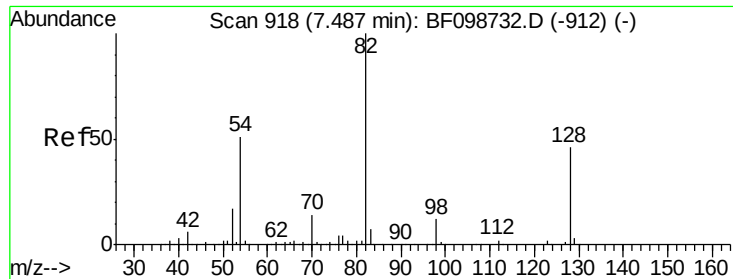
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

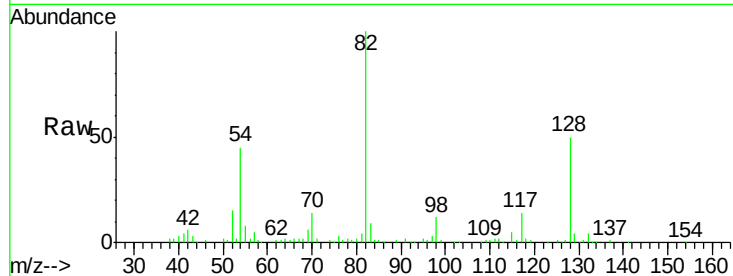




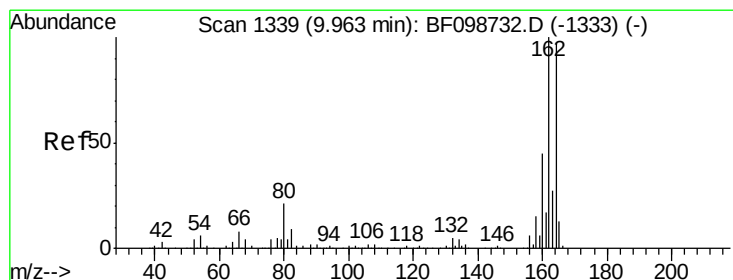
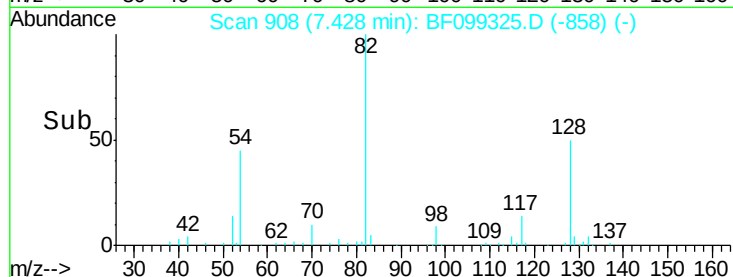
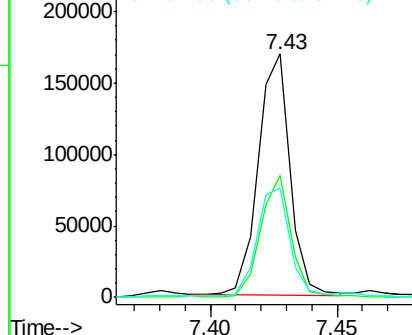
#23
 Nitrobenzene-d5
 Concen: 27.64 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099325.D
 Acq: 11 Oct 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 147781
 Ion Ratio Lower Upper
 82 100
 128 49.9 36.1 54.1
 54 45.0 41.4 62.2

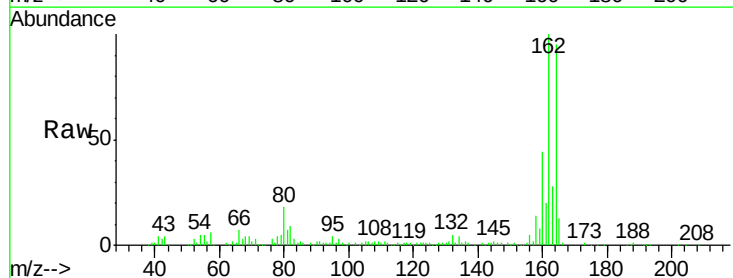


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

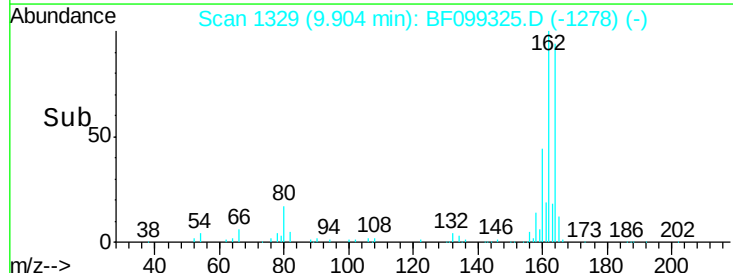
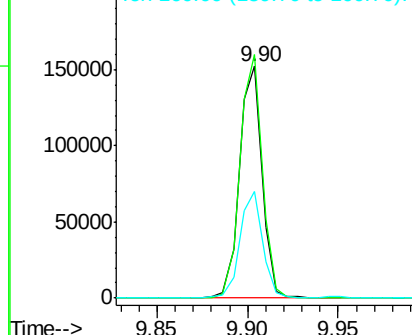


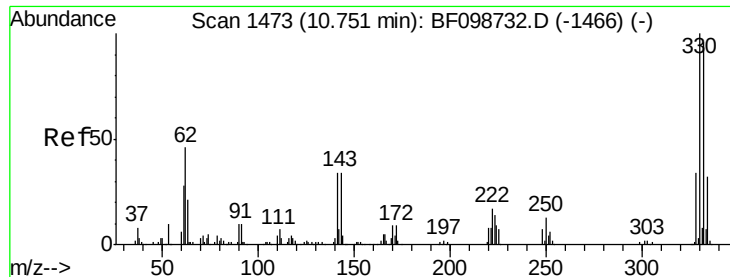
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: BF099325.D
 Acq: 11 Oct 2017 3:01

Tgt Ion:164 Resp: 131981
 Ion Ratio Lower Upper
 164 100
 162 105.2 86.1 129.1
 160 46.1 38.3 57.5



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





#41

2,4,6-Tribromophenol

Concen: 38.90 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

Instrument :

BNA_F

ClientSampleId :

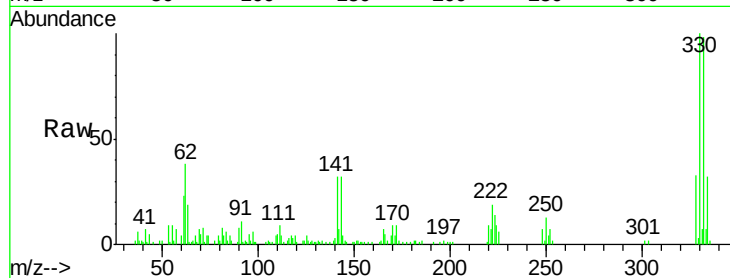
Tot Ion:330 Resp: 42011

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

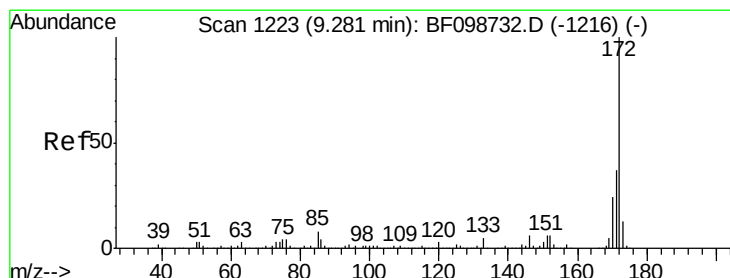
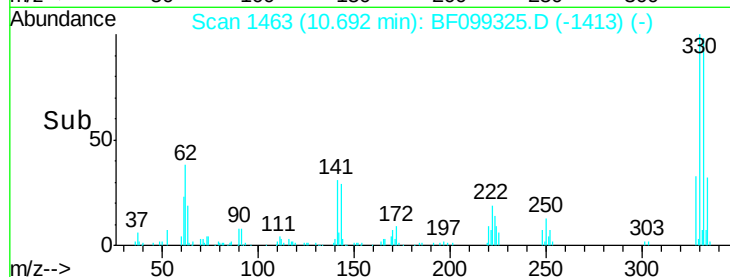
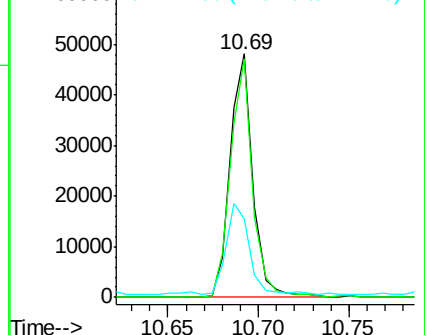
141 39.5 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 35.11 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

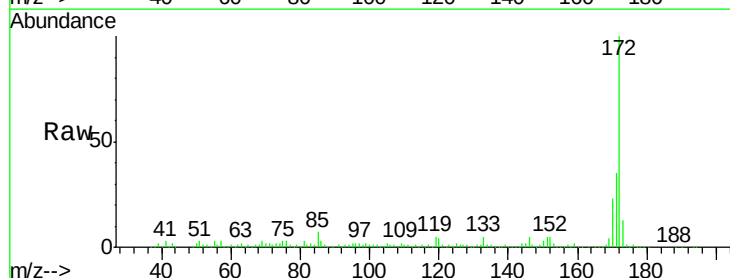
Tgt Ion:172 Resp: 277600

Ion Ratio Lower Upper

172 100

171 35.4 29.7 44.5

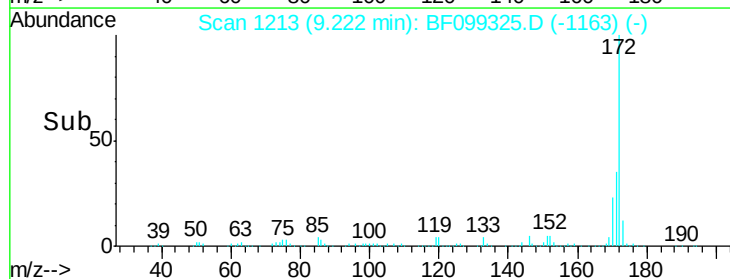
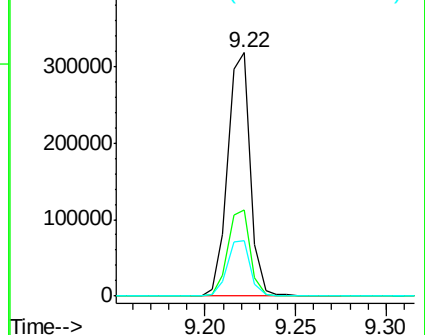
170 22.7 19.6 29.4

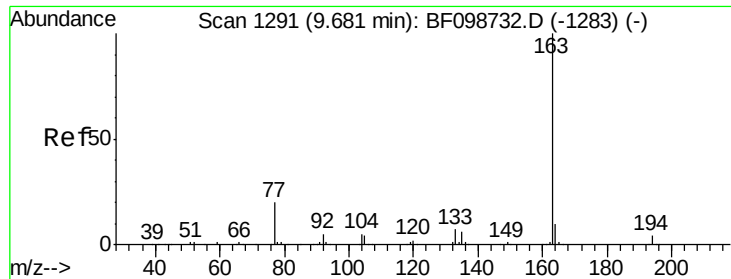


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

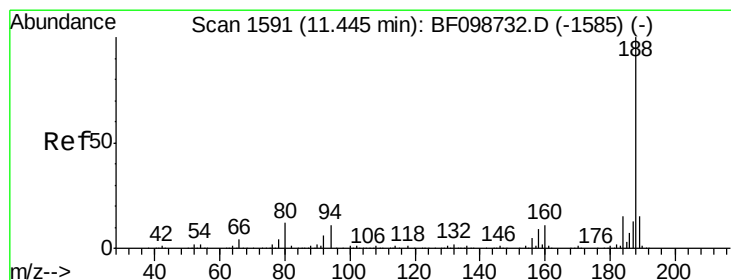
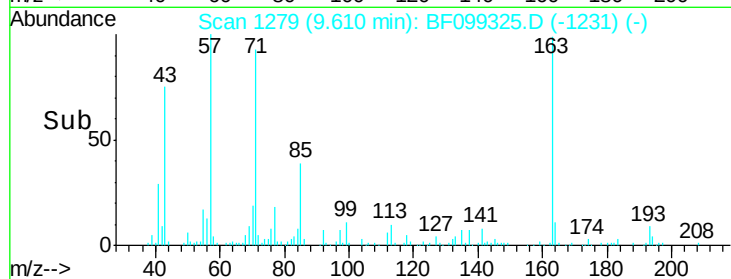
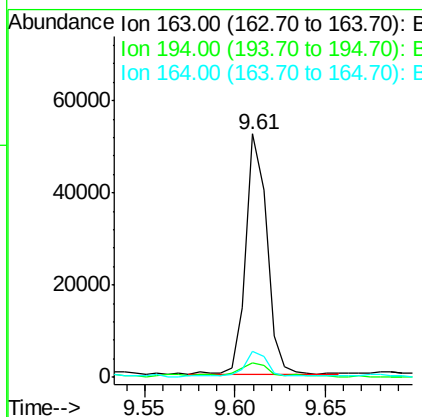
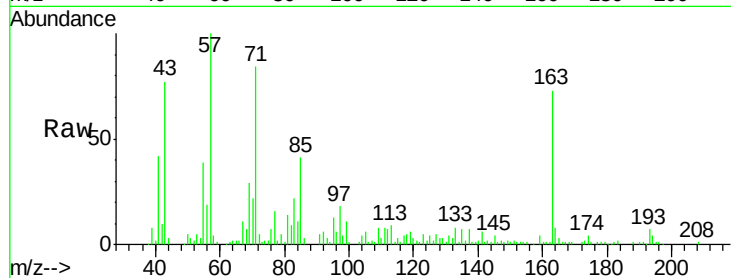




#49
Dimethylphthalate
Concen: 4.27 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099325.D
Acq: 11 Oct 2017 3:01

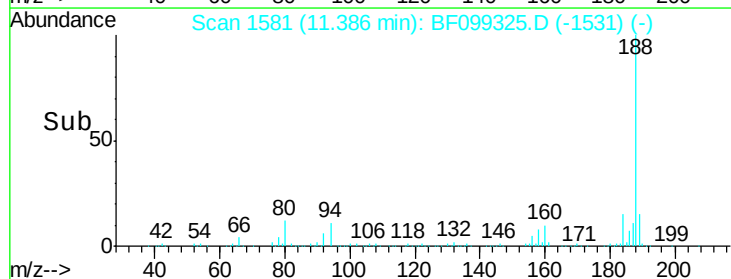
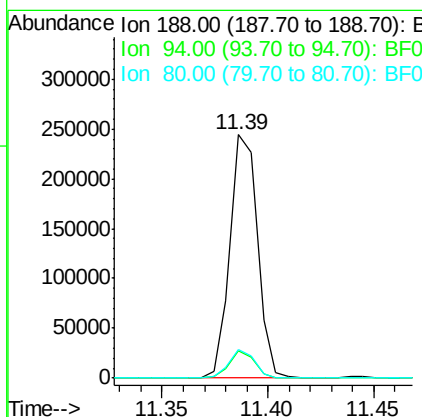
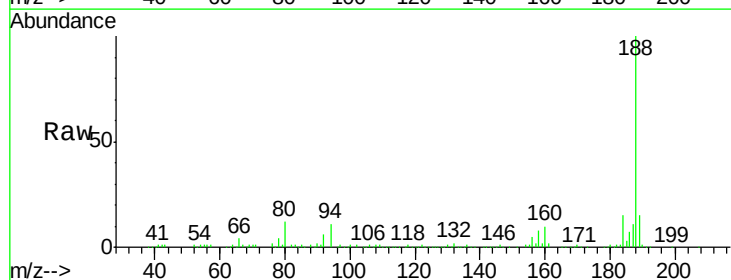
Instrument :
BNA_F
ClientSampleId :

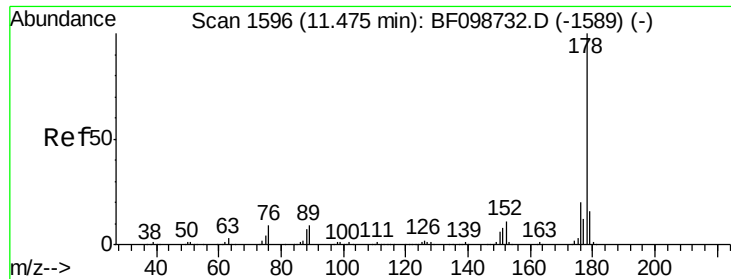
Tot Ion:163 Resp: 42560
Ion Ratio Lower Upper
163 100
194 6.1 2.7 4.1#
164 10.7 8.2 12.2



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099325.D
Acq: 11 Oct 2017 3:01

Tgt Ion:188 Resp: 219889
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 11.9 9.2 13.8





#70

Phenanthrene

Concen: 4.52 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

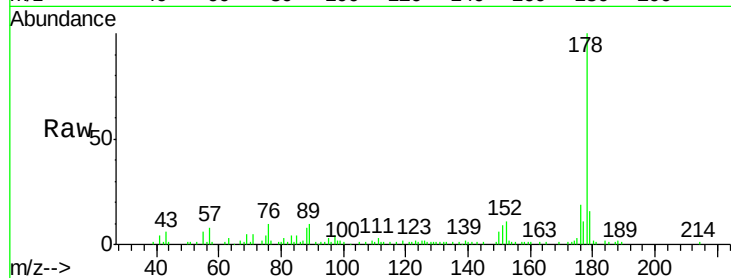
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 53247

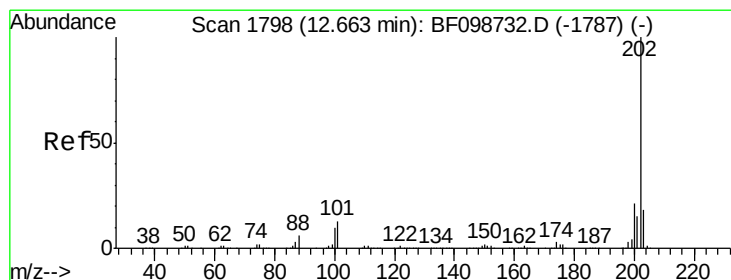
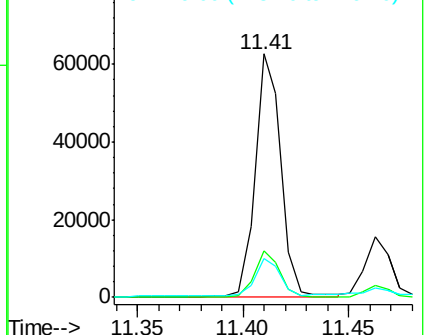
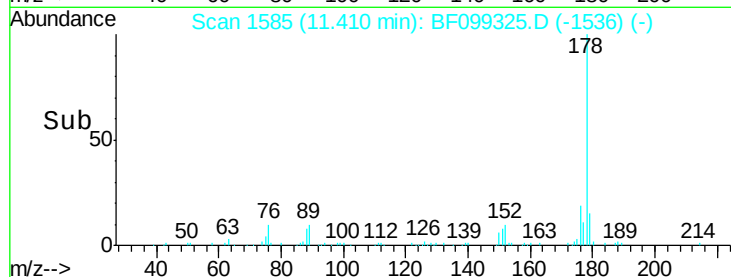
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.7	13.0	19.6



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: 7.00 ng

RT: 12.60 min Scan# 1788

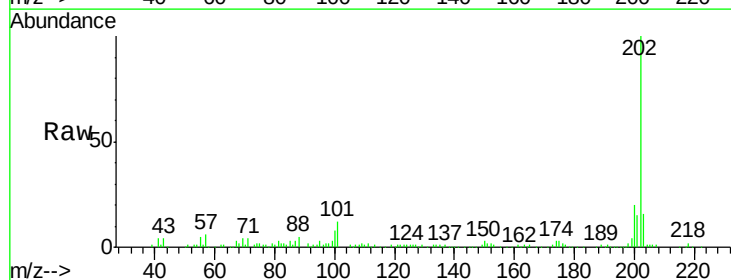
Delta R.T. -0.00 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

Tgt Ion:202 Resp: 83468

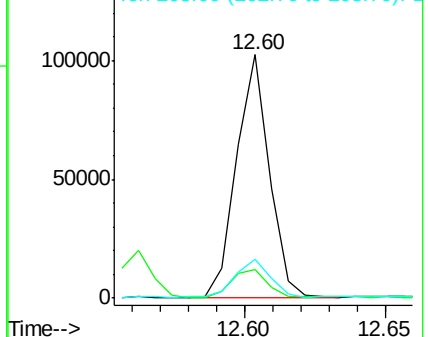
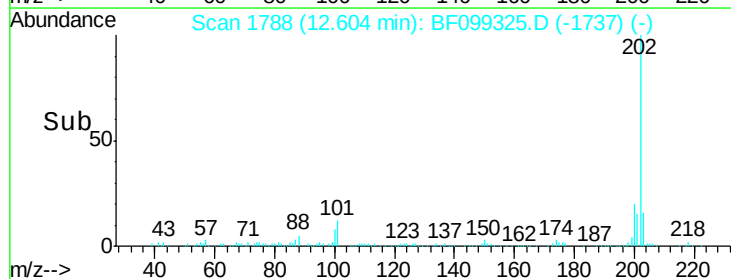
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	16.2	0.0	38.1

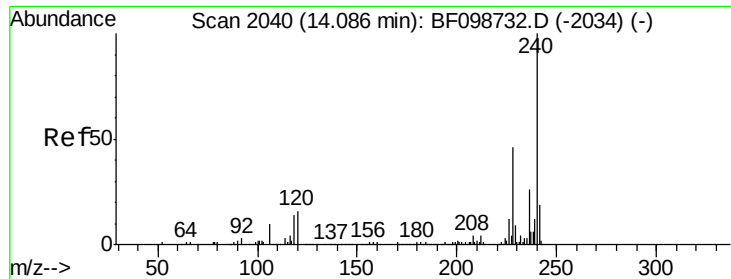


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

Instrument :

BNA_F

ClientSampleId :

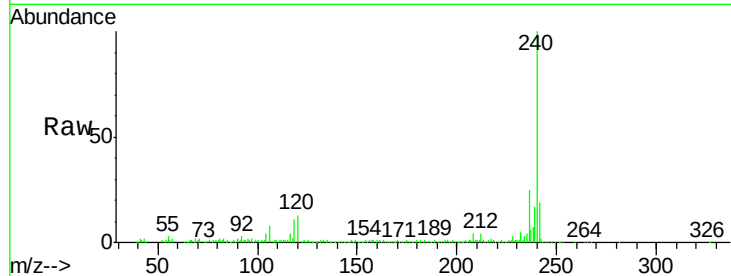
Tot Ion:240 Resp: 189839

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

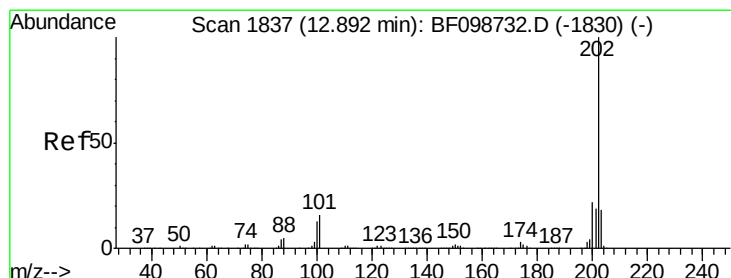
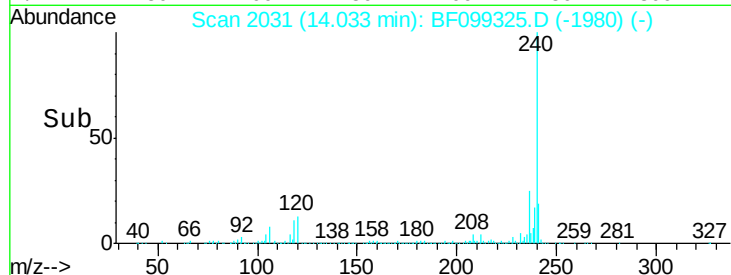
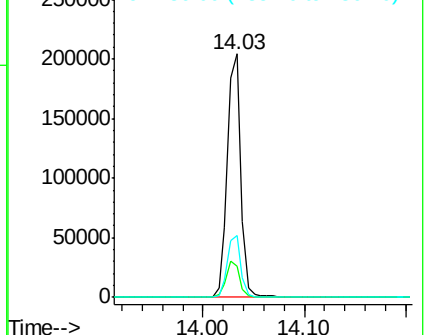
236 25.2 20.7 31.1



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: 5.27 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

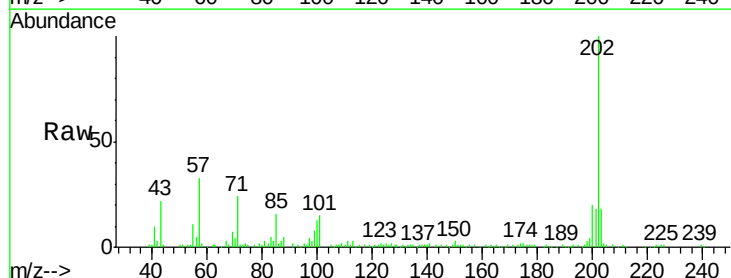
Tgt Ion:202 Resp: 76336

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

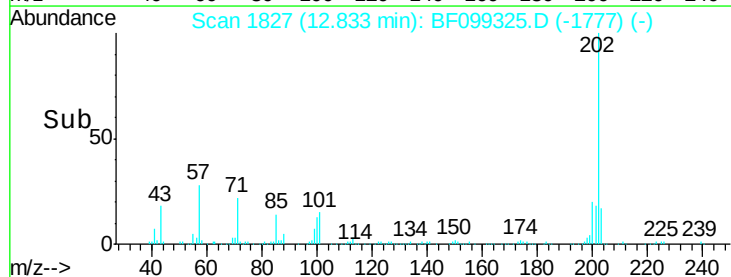
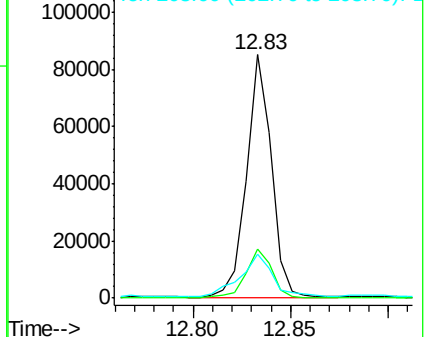
203 17.9 14.3 21.5

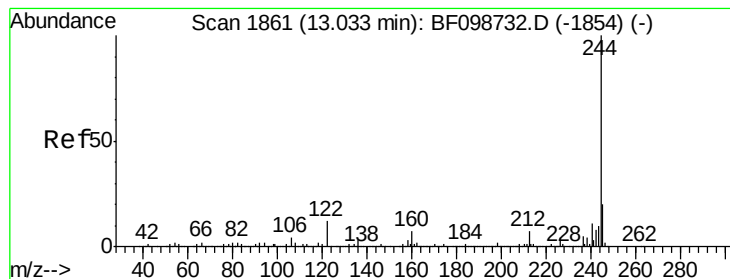


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 28.61 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

Instrument :

BNA_F

ClientSampleId :

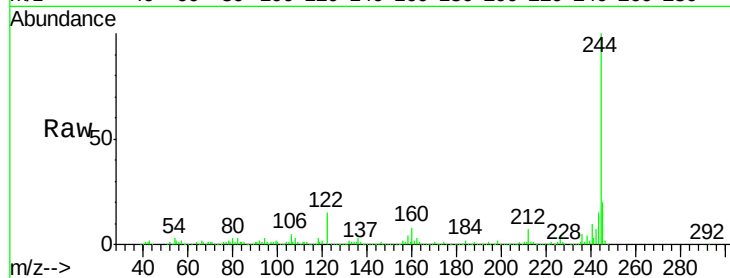
Tot Ion:244 Resp: 238836

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

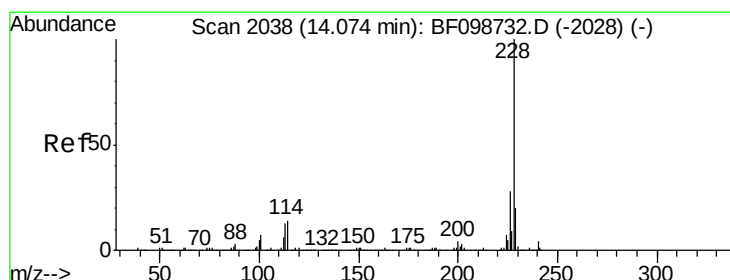
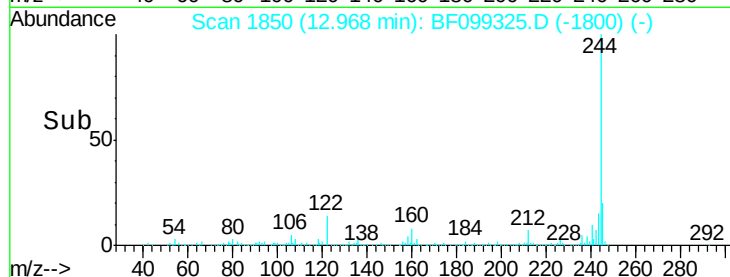
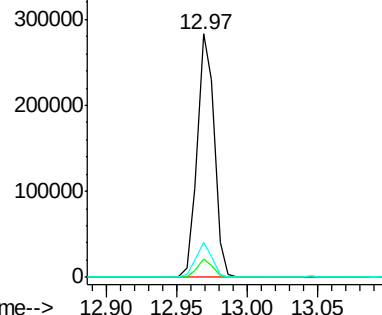
122 14.5 11.0 16.4



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: 2.88 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

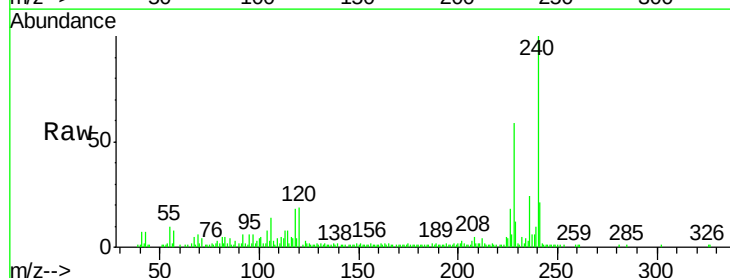
Tgt Ion:228 Resp: 33156

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

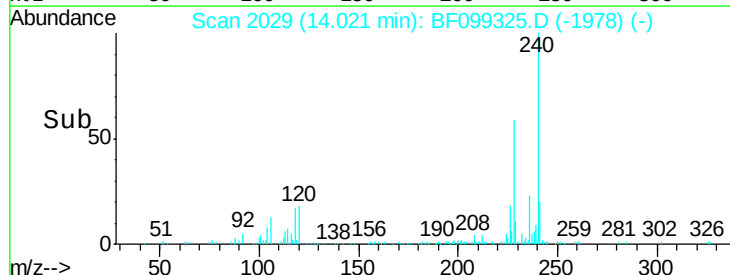
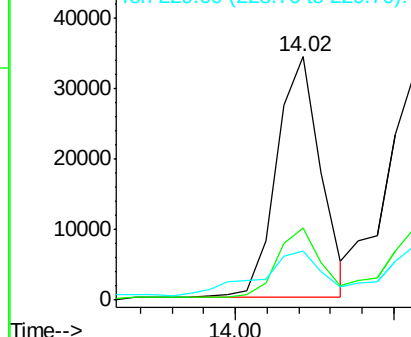
229 20.3 15.8 23.6

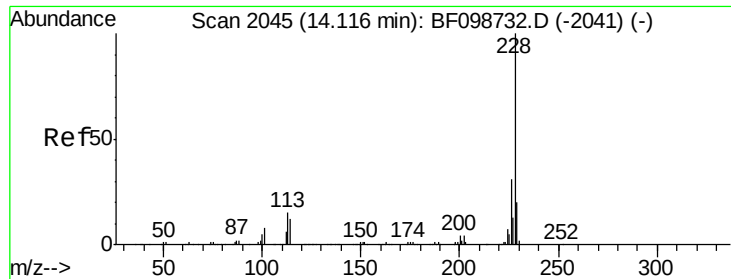


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.92 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

Instrument :

BNA_F

ClientSampleId :

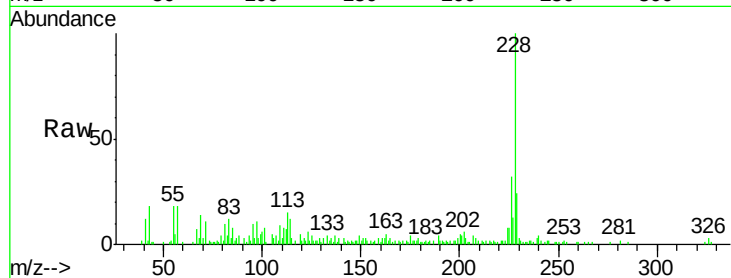
Tot Ion:228 Resp: 31971

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

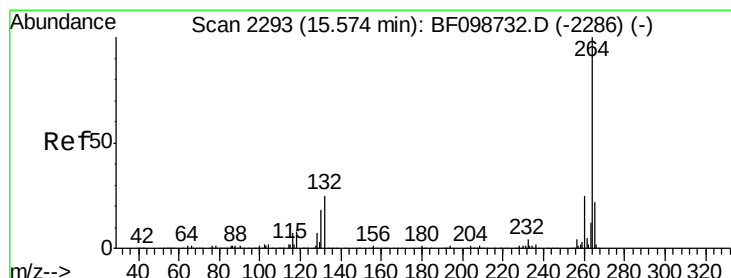
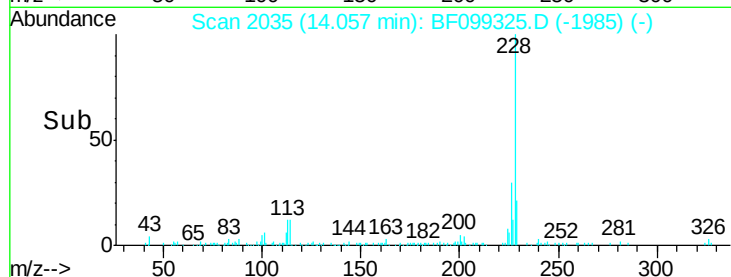
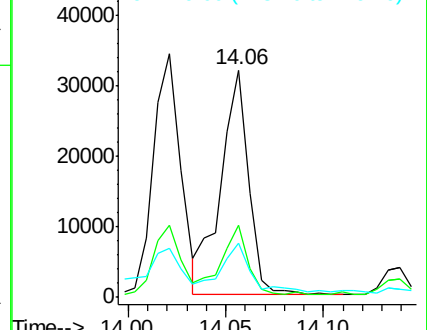
229 23.7 16.2 24.4



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

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

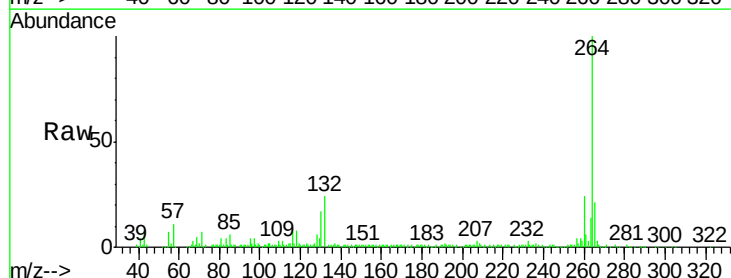
Tgt Ion:264 Resp: 131688

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

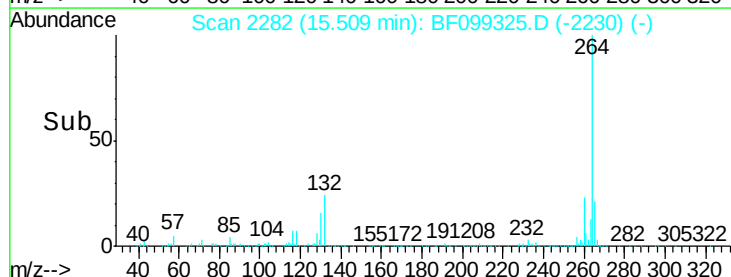
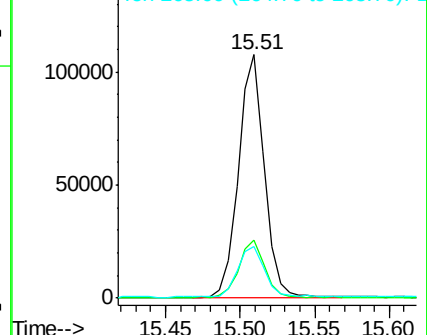
265 21.2 17.5 26.3

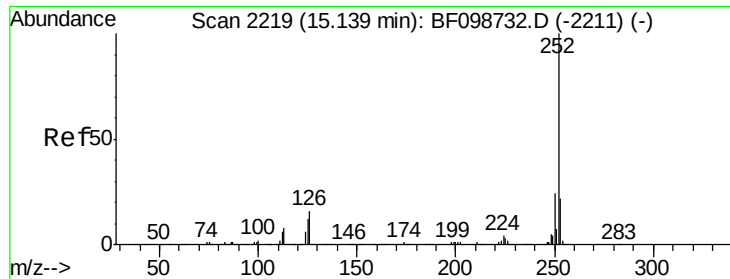


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

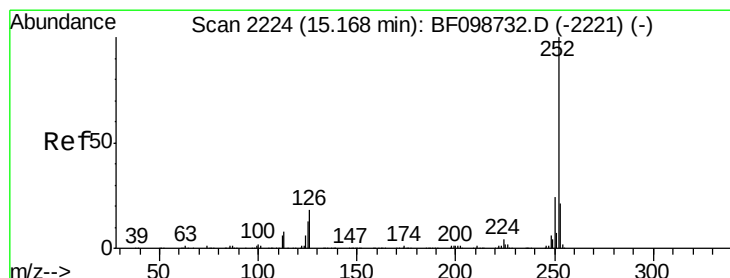
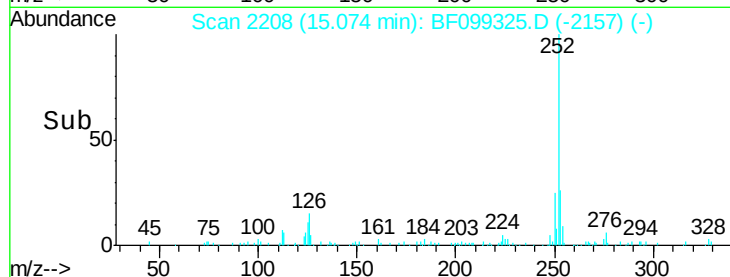
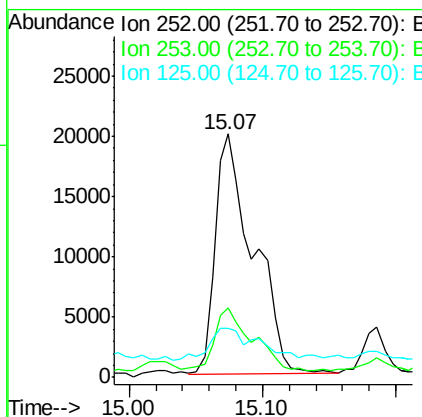
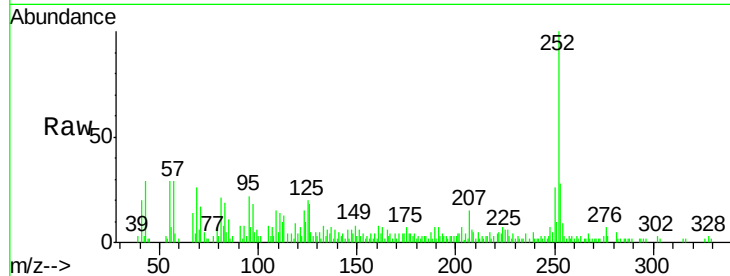




#87
Benzo(b)fluoranthene
Concen: 4.89 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF099325.D
Acq: 11 Oct 2017 3:01

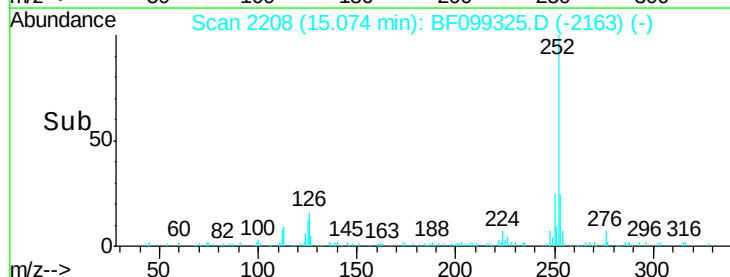
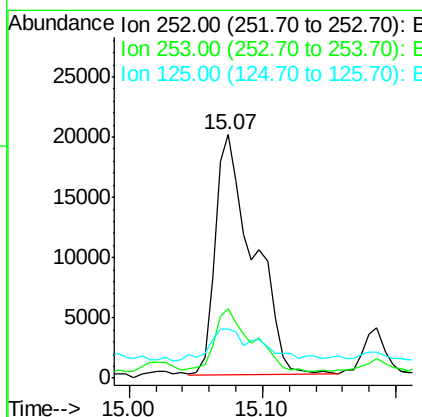
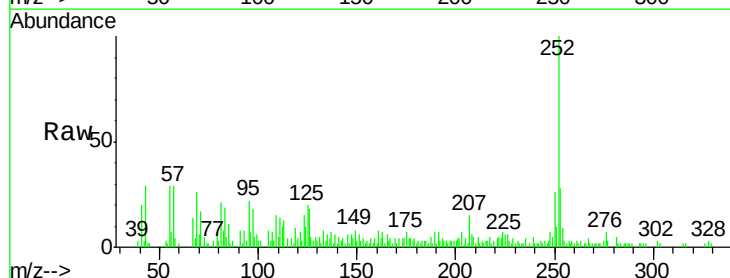
Instrument :
BNA_F
ClientSampled :

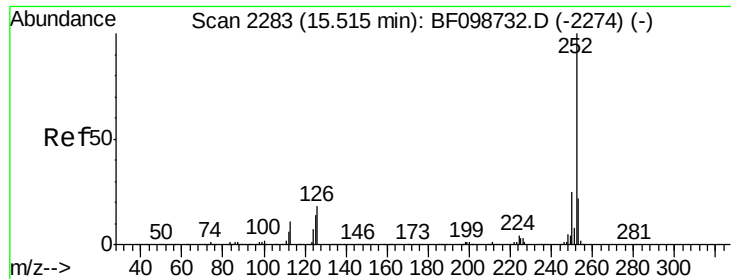
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.0	25.6#
125	20.2	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 4.95 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF099325.D
Acq: 11 Oct 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.9	26.9#
125	20.2	10.2	15.2#

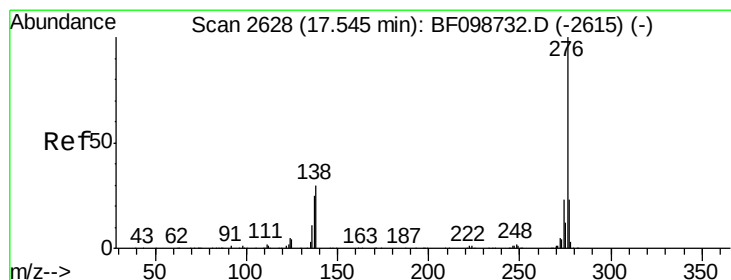
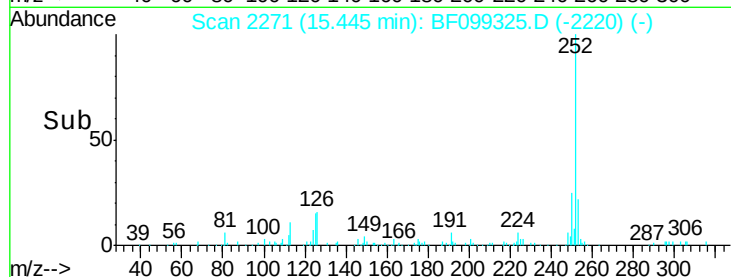
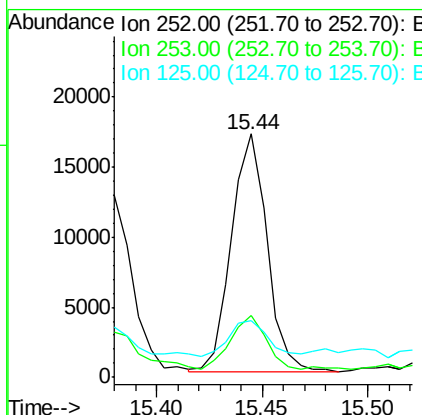
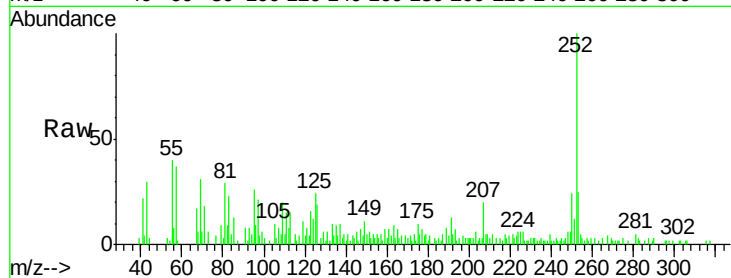




#89
Benzo(a)pyrene
Concen: 2.68 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF099325.D
Acq: 11 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	23.5	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.05 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.01 min
Lab File: BF099325.D
Acq: 11 Oct 2017 3:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.8	17.9	26.9
138	37.1	21.8	32.8

