

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099195.D
 Acq On : 7 Oct 2017 15:38
 Operator : SJ/JU
 Sample : I5586-17 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:35:37 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	141481	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	557110	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	223634	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	335341	20.00	ng	0.00
75) Chrysene-d12	14.03	240	249901	20.00	ng	0.00
86) Perylene-d12	15.50	264	211395	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	322263	36.26	ng	0.00
7) Phenol-d6	6.49	99	561275	51.19	ng	0.00
23) Nitrobenzene-d5	7.43	82	337854	38.89	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	2414	1.32	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	644951	48.15	ng	-0.01
78) Terphenyl-d14	12.97	244	417991	38.04	ng	0.00

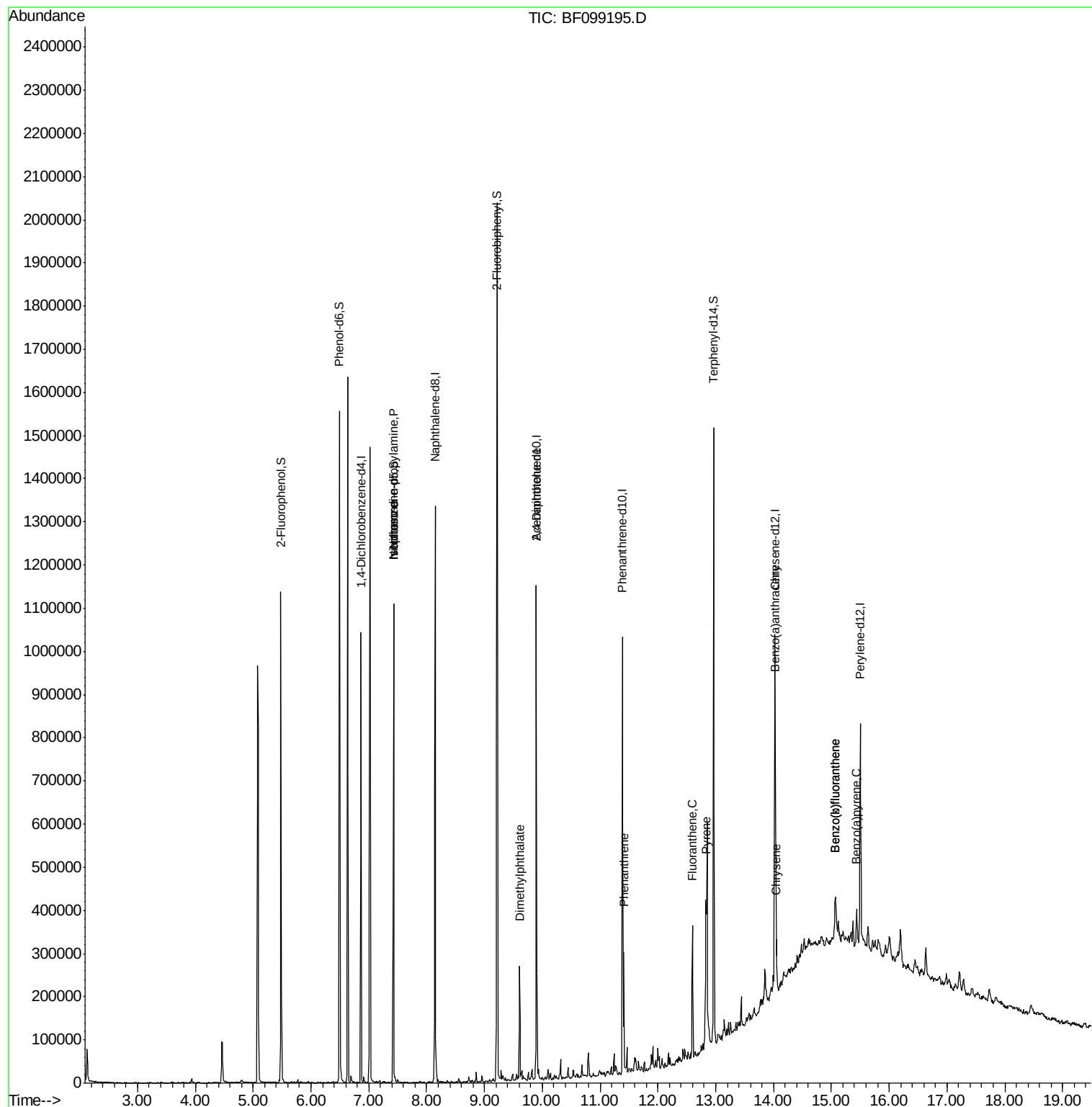
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	43479	6.211	ng	# 76
25) Isophorone	7.43	82	337850	18.810	ng	# 64
49) Dimethylphthalate	9.61	163	88395	5.237	ng	99
56) 2,4-Dinitrotoluene	9.90	165	29044	6.090	ng	# 23
70) Phenanthrene	11.41	178	89511	4.987	ng	96
74) Fluoranthene	12.60	202	107583	5.919	ng	98
77) Pyrene	12.83	202	97271	5.105	ng	98
80) Benzo(a)anthracene	14.02	228	42297	2.795	ng	94
82) Chrysene	14.05	228	41475	2.879	ng	97
87) Benzo(b)fluoranthene	15.07	252	62559	4.813	ng	# 87
88) Benzo(k)fluoranthene	15.07	252	62559	4.873	ng	# 89
89) Benzo(a)pyrene	15.44	252	29351	2.460	ng	# 80

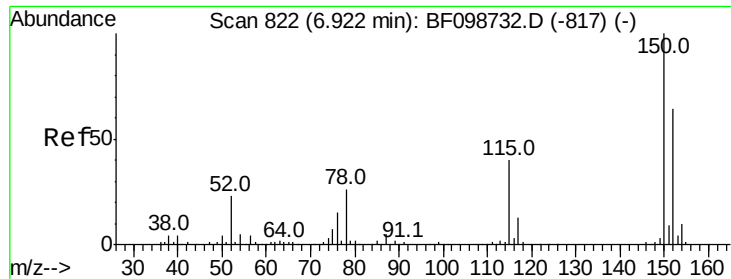
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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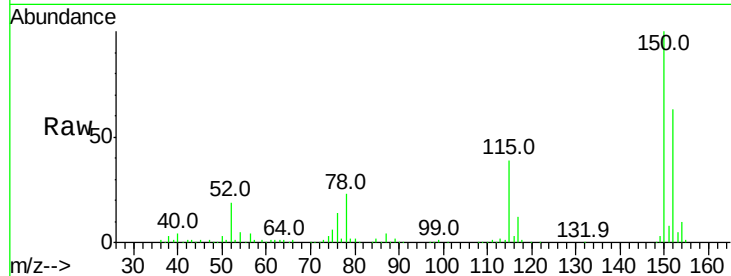


#1

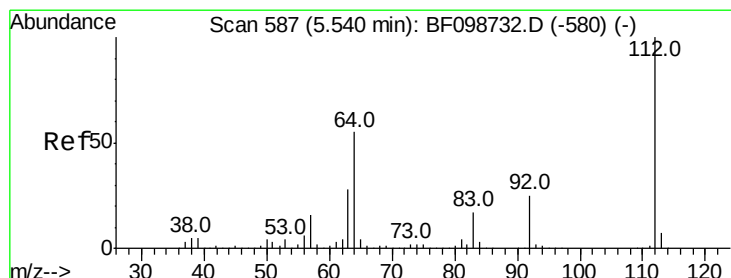
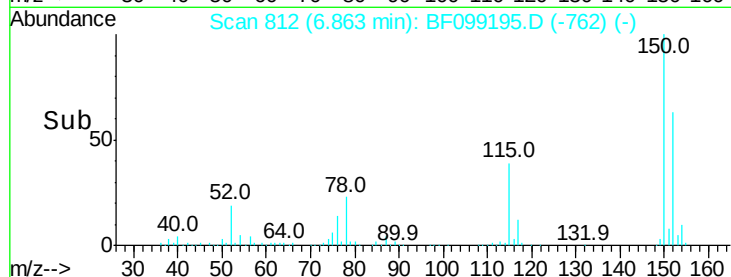
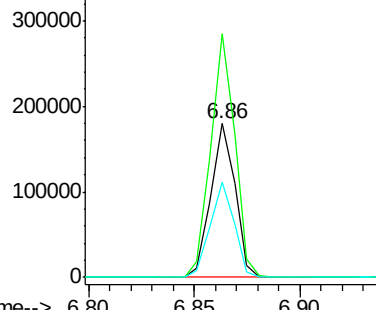
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099195.D
 Acq: 7 Oct 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 141481
 Ion Ratio Lower Upper
 152 100
 150 158.7 124.6 186.8
 115 62.0 50.1 75.1



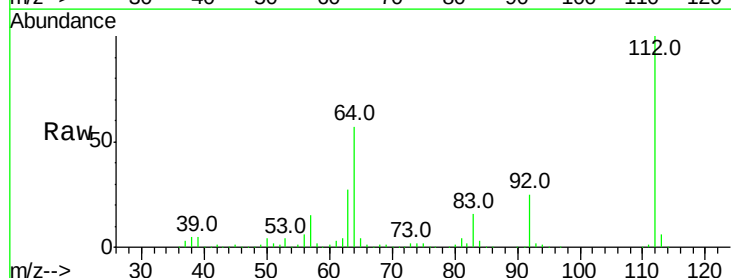
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



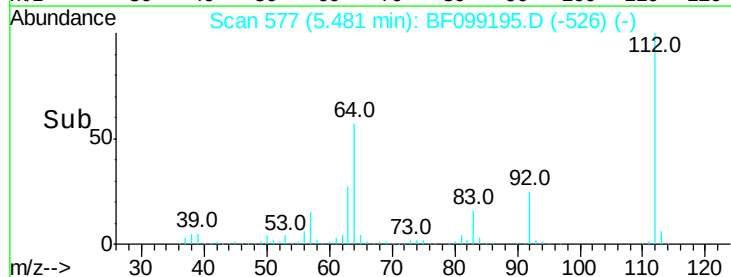
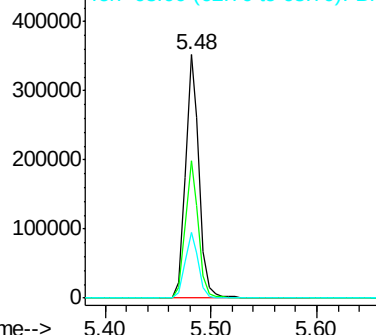
#5

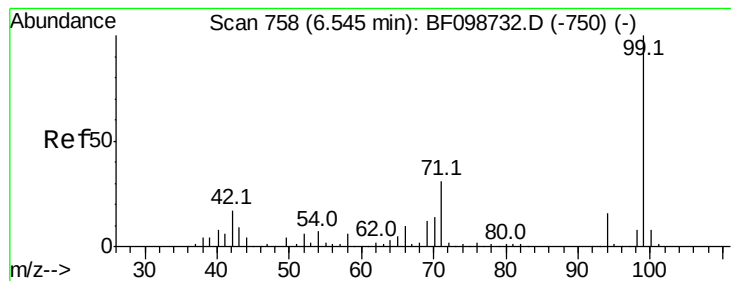
2-Fluorophenol
 Concen: 36.260 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF099195.D
 Acq: 7 Oct 2017 15:38

Tgt Ion:112 Resp: 322263
 Ion Ratio Lower Upper
 112 100
 64 56.5 47.9 71.9
 63 27.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 51.193 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099195.D

Acq: 7 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

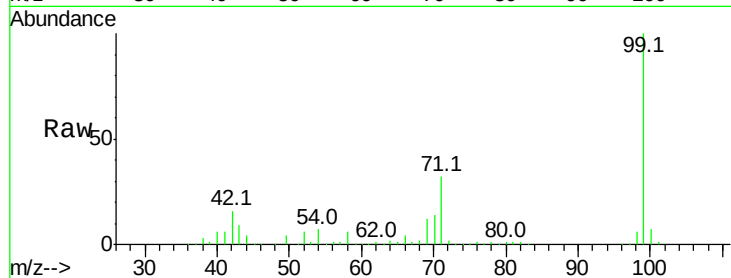
Tot Ion: 99 Resp: 561275

Ion Ratio Lower Upper

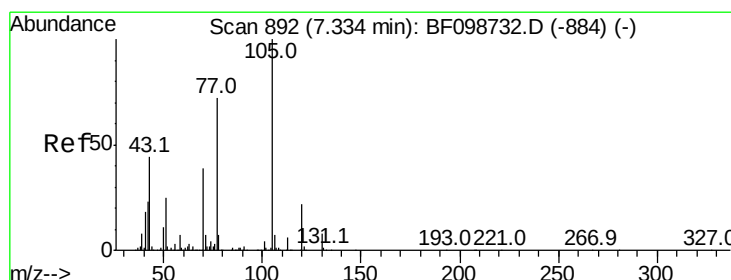
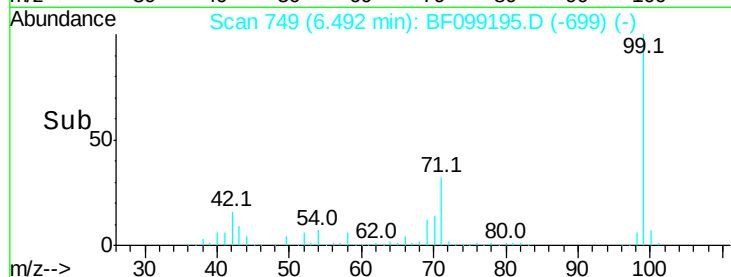
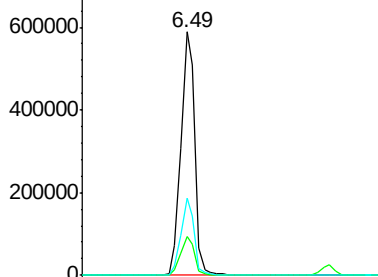
99 100

42 16.2 14.5 21.7

71 31.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 6.211 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099195.D

Acq: 7 Oct 2017 15:38

Tgt Ion: 70 Resp: 43479

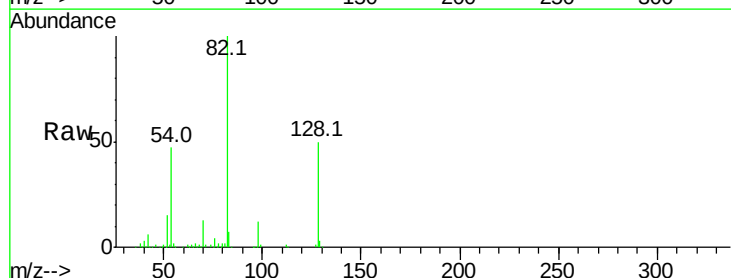
Ion Ratio Lower Upper

70 100

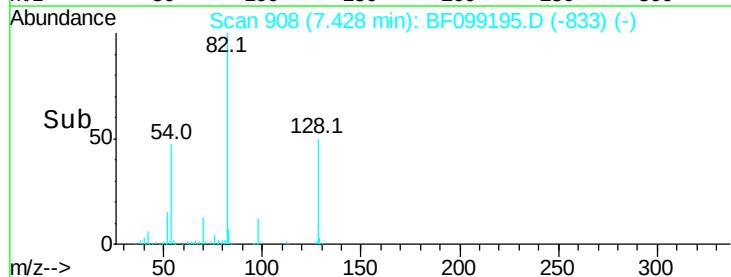
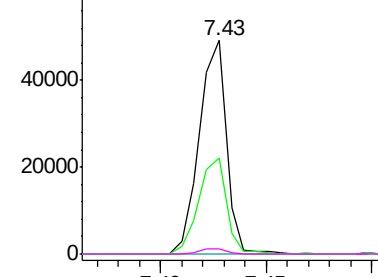
42 45.1 47.5 71.3#

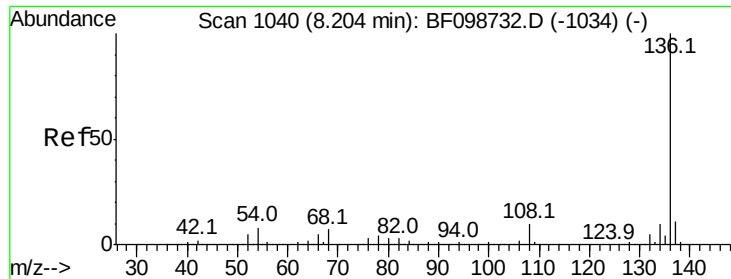
101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0

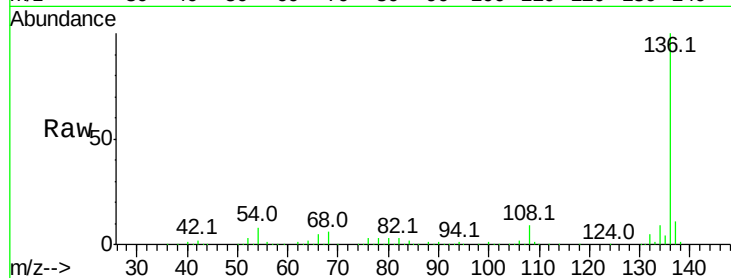




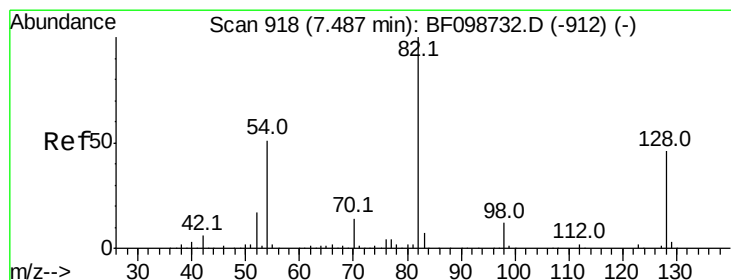
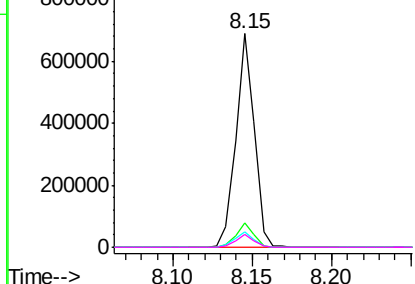
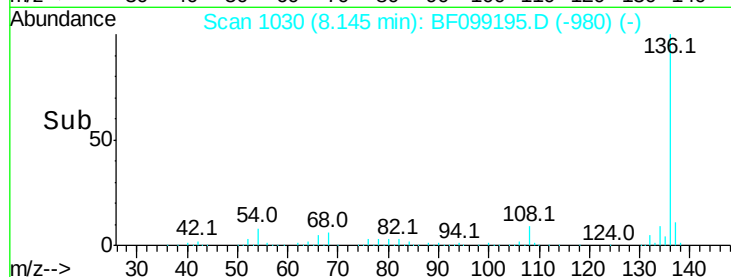
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099195.D
Acq: 7 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	557110
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.5	6.6	9.8
68	6.1	5.0	7.4

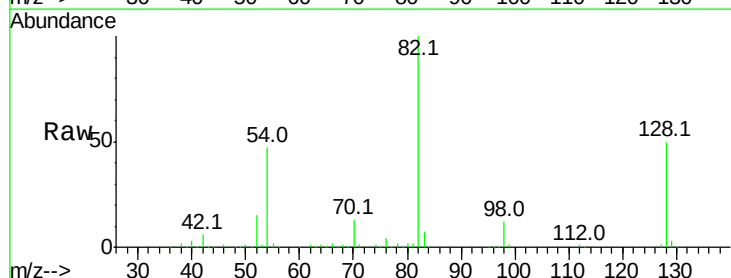


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

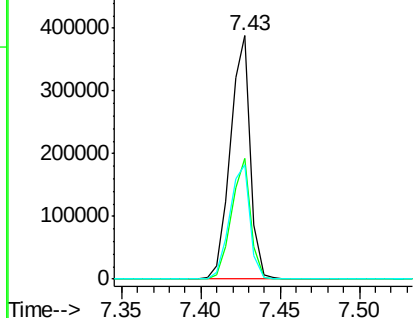
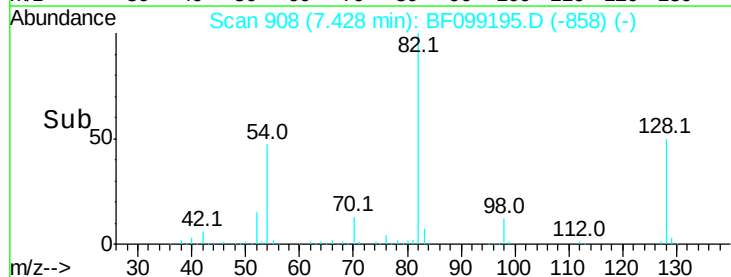


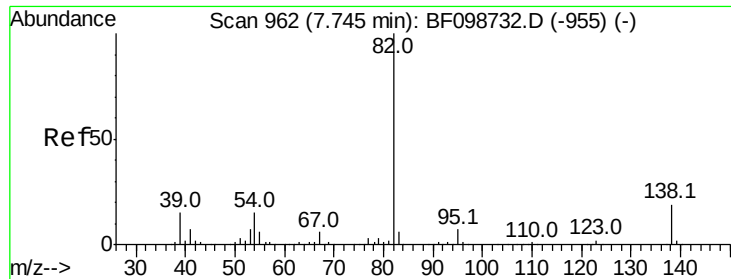
#23
Nitrobenzene-d5
Concen: 38.891 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099195.D
Acq: 7 Oct 2017 15:38

Tgt Ion:	82	Resp:	337854
Ion	Ratio	Lower	Upper
82	100		
128	49.7	36.1	54.1
54	47.1	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





#25

Isophorone

Concen: 18.810 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099195.D

Acq: 7 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

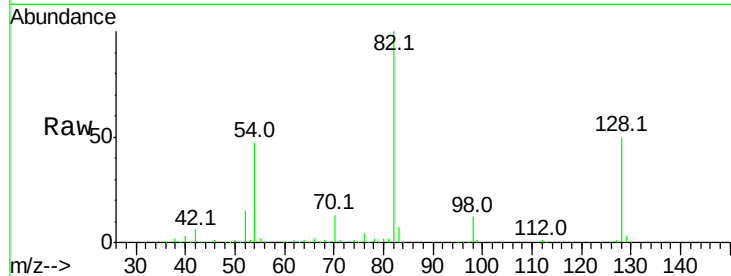
Tot Ion: 82 Resp: 337850

Ion Ratio Lower Upper

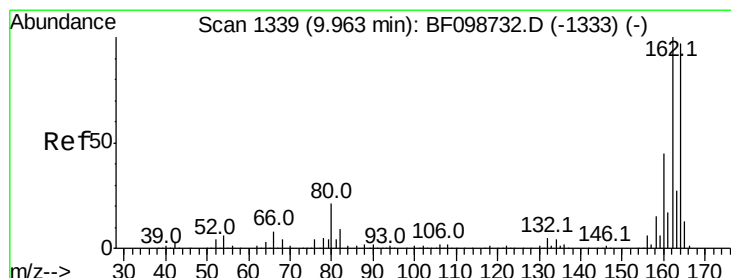
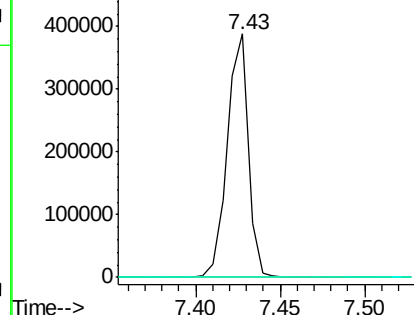
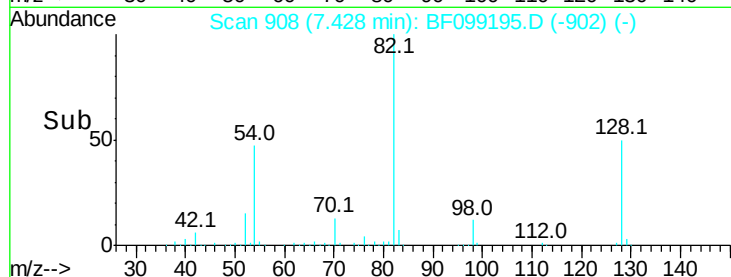
82 100

95 0.1 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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099195.D

Acq: 7 Oct 2017 15:38

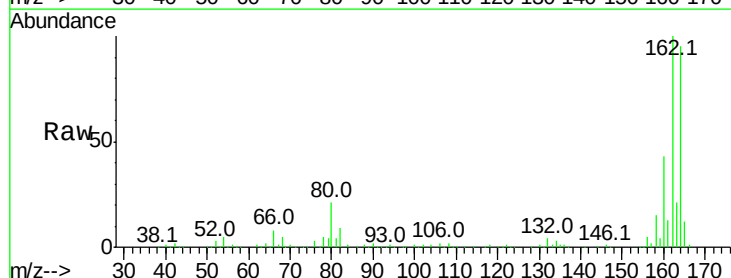
Tgt Ion:164 Resp: 223634

Ion Ratio Lower Upper

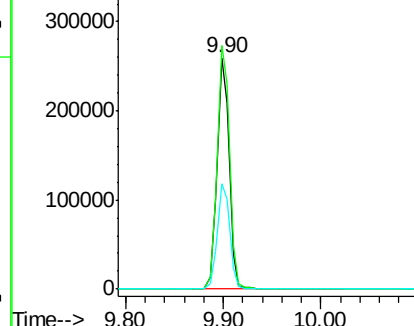
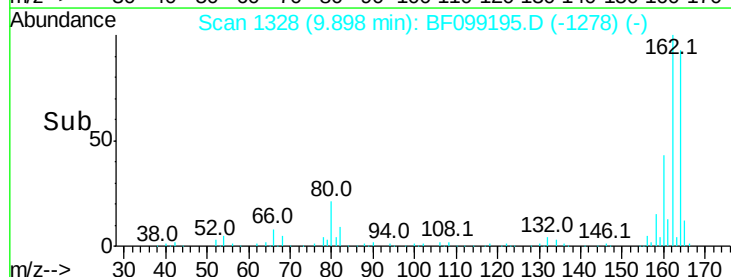
164 100

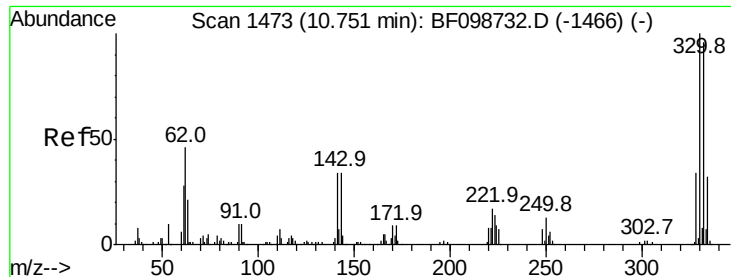
162 105.5 86.1 129.1

160 45.5 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

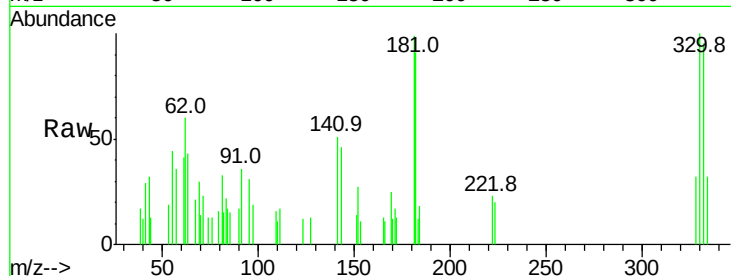




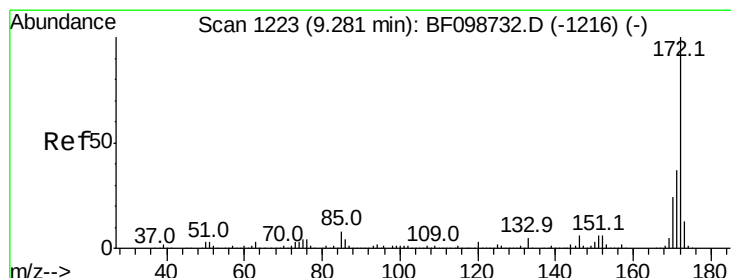
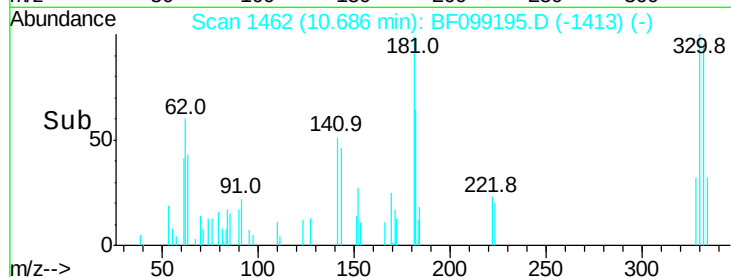
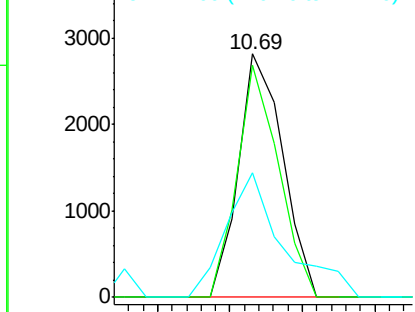
#41
 2,4,6-Tribromophenol
 Concen: 1.319 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099195.D
 Acq: 7 Oct 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 2414
 Ion Ratio Lower Upper
 330 100
 332 89.4 77.0 115.6
 141 66.6 29.9 44.9#

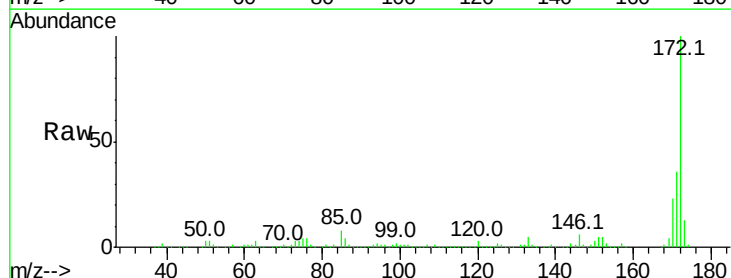


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

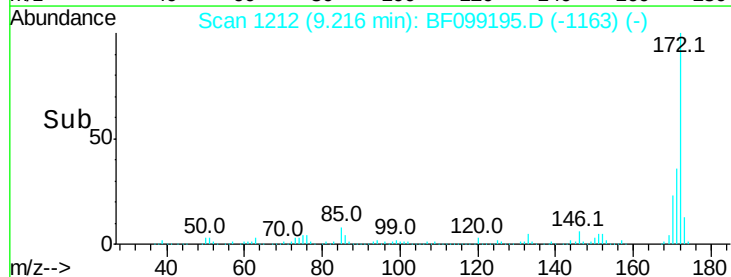
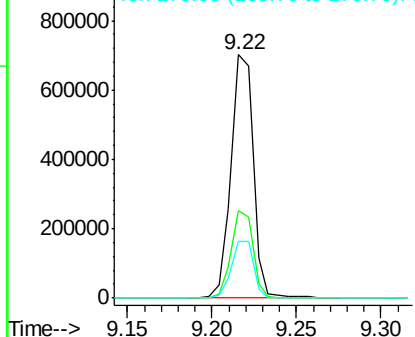


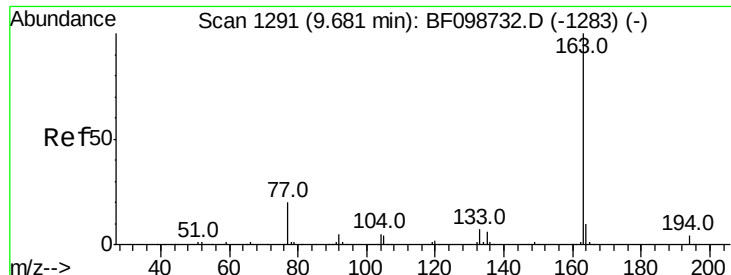
#44
 2-Fluorobiphenyl
 Concen: 48.145 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099195.D
 Acq: 7 Oct 2017 15:38

Tgt Ion:172 Resp: 644951
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.4 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: 5.237 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF099195.D

Acq: 7 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

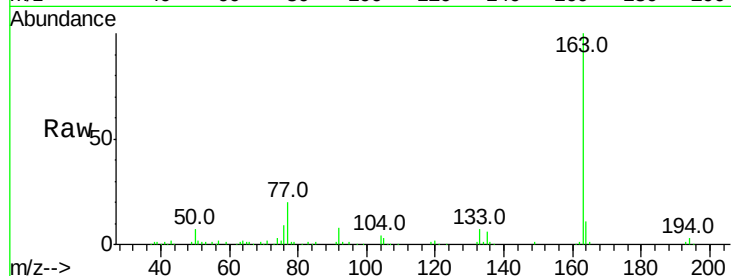
Tot Ion:163 Resp: 88395

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

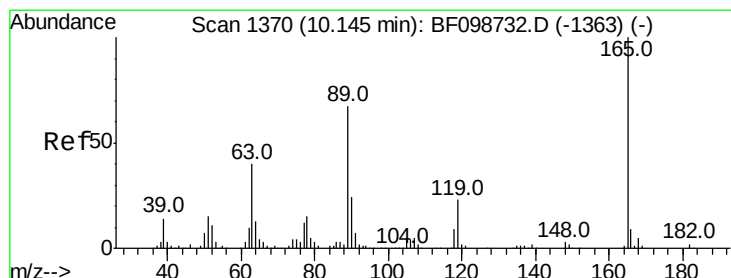
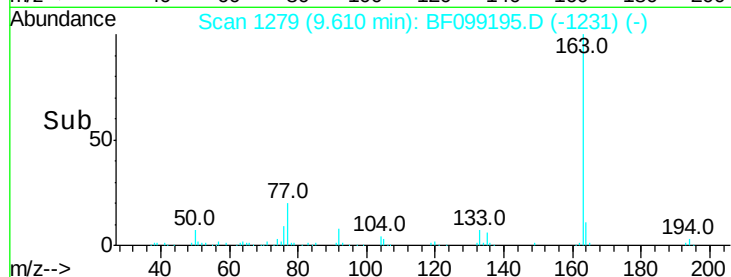
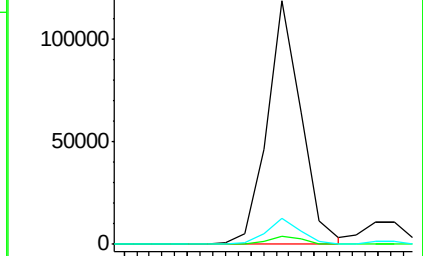
164 10.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.090 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF099195.D

Acq: 7 Oct 2017 15:38

Tgt Ion:165 Resp: 29044

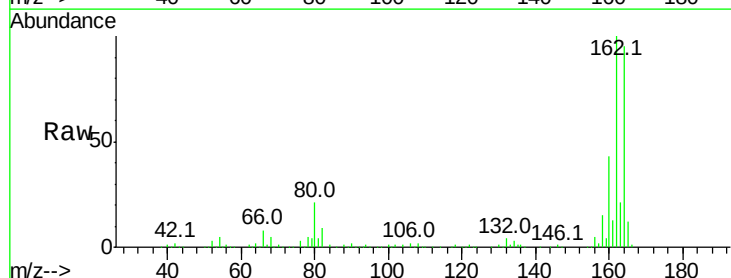
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

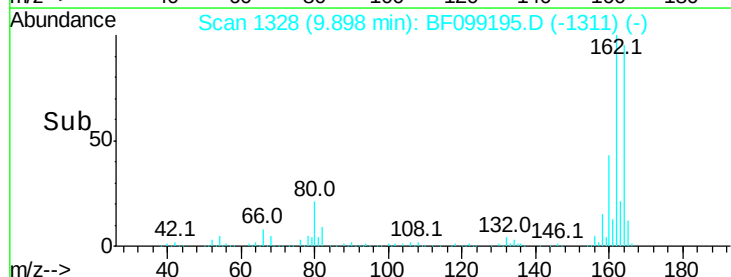
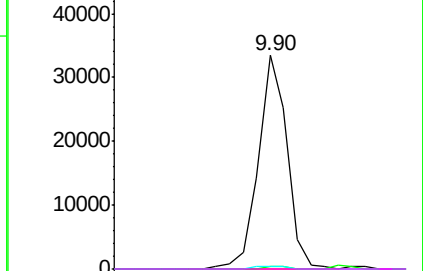


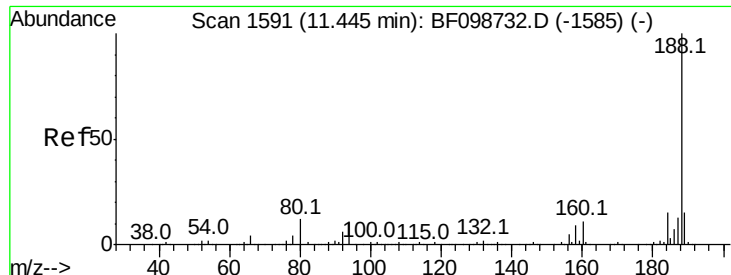
Abundance Ion 165.00 (164.70 to 165.70): E

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

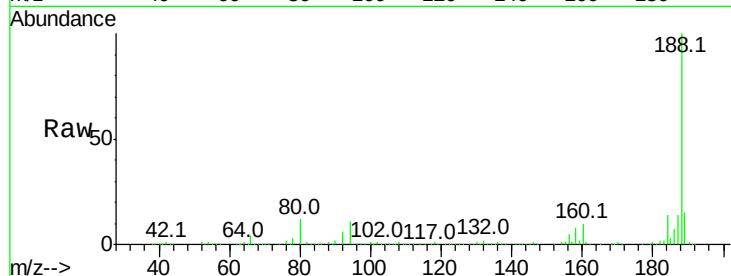




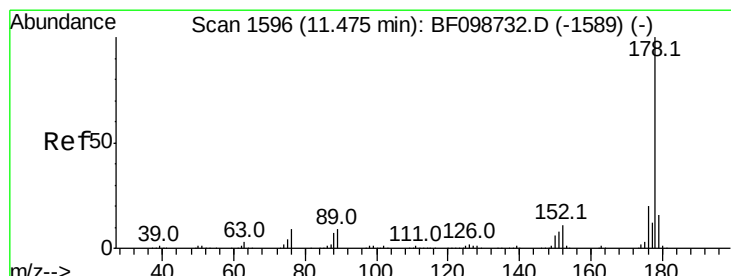
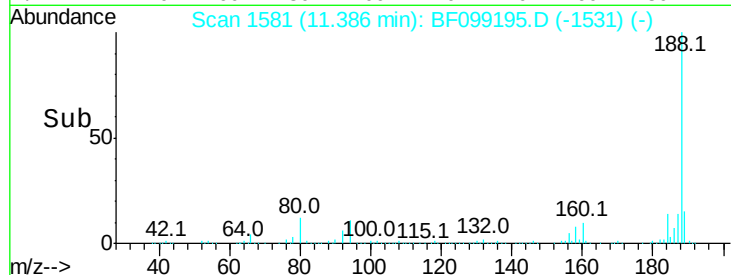
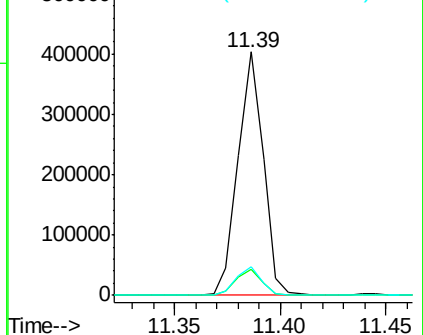
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099195.D
 Acq: 7 Oct 2017 15:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 335341
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.7 9.2 13.8

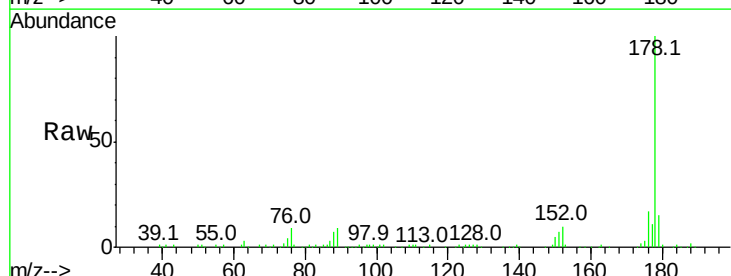


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

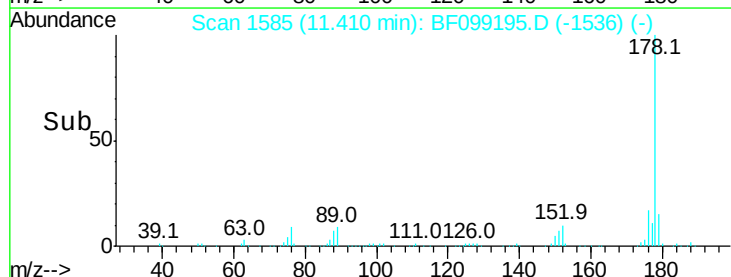
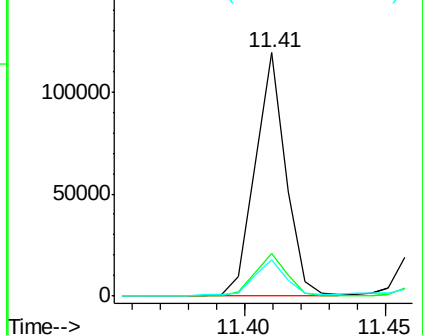


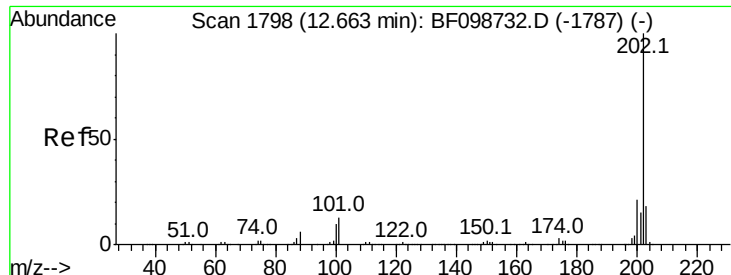
#70
 Phenanthrene
 Concen: 4.987 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF099195.D
 Acq: 7 Oct 2017 15:38

Tgt Ion:178 Resp: 89511
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.8 23.8
 179 14.9 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

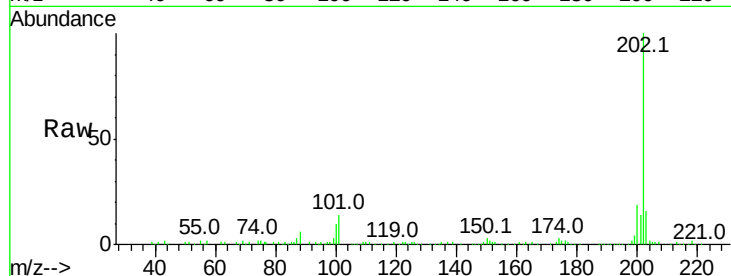




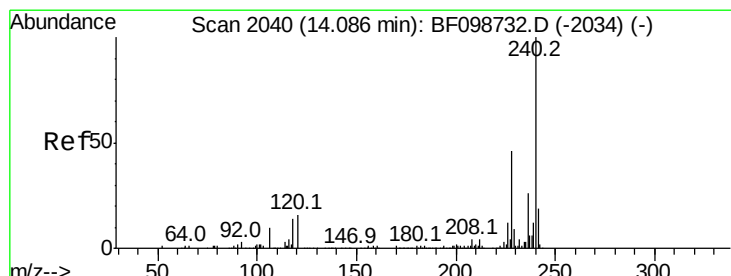
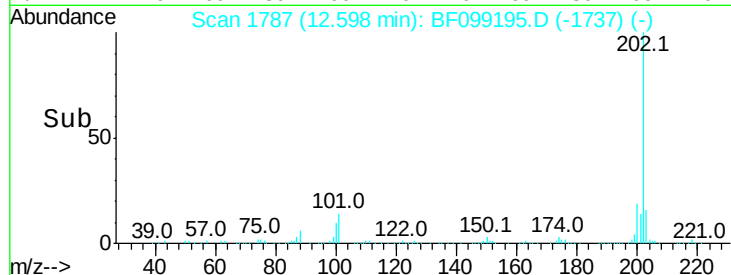
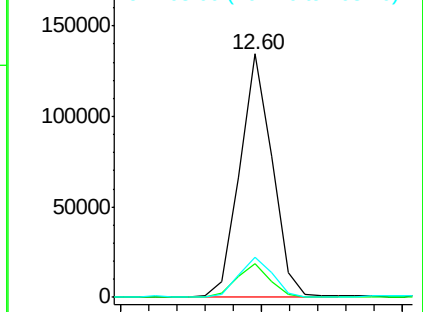
#74
Fluoranthene
Concen: 5.919 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BF099195.D
Acq: 7 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 107583
Ion Ratio Lower Upper
202 100
101 13.8 0.0 34.1
203 16.4 0.0 38.1

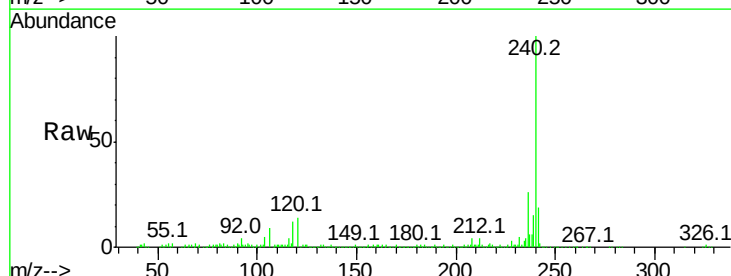


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

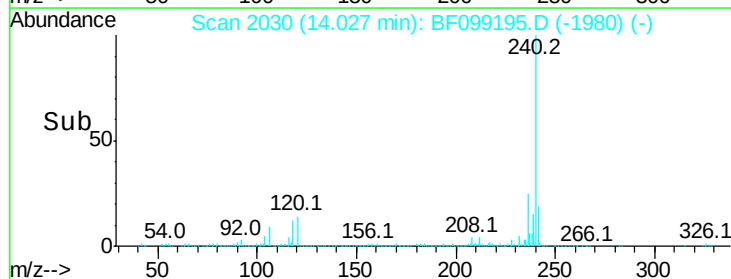
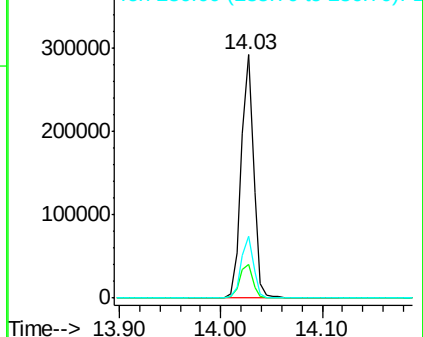


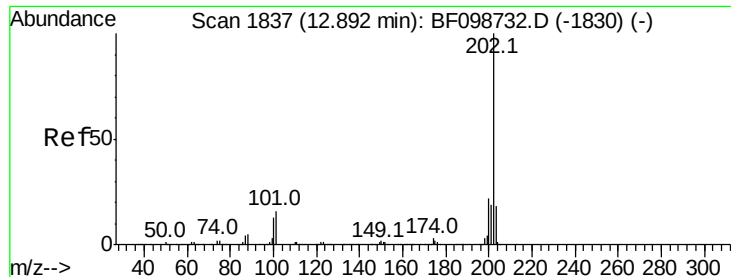
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF099195.D
Acq: 7 Oct 2017 15:38

Tgt Ion:240 Resp: 249901
Ion Ratio Lower Upper
240 100
120 14.1 9.5 14.3
236 25.5 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: 5.105 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099195.D

Acq: 7 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

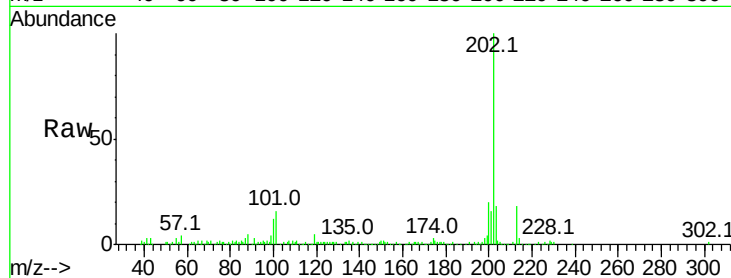
Tot Ion:202 Resp: 97271

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

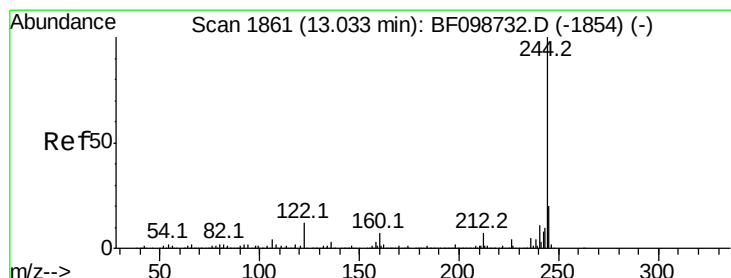
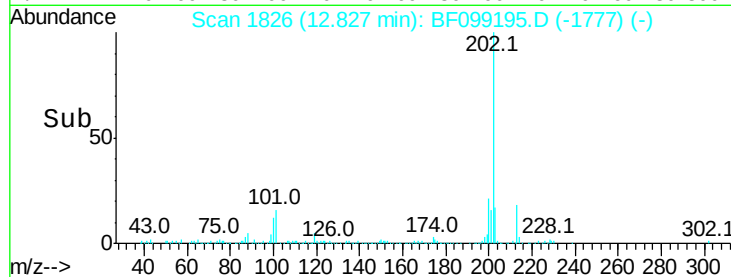
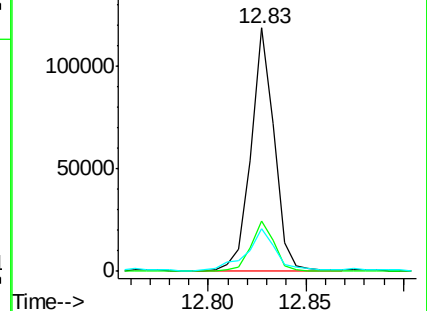
203 17.6 14.3 21.5



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: 38.039 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099195.D

Acq: 7 Oct 2017 15:38

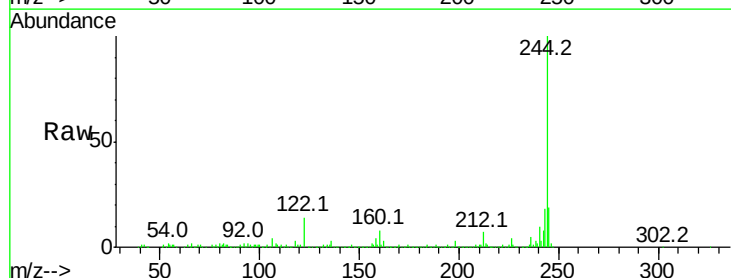
Tgt Ion:244 Resp: 417991

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

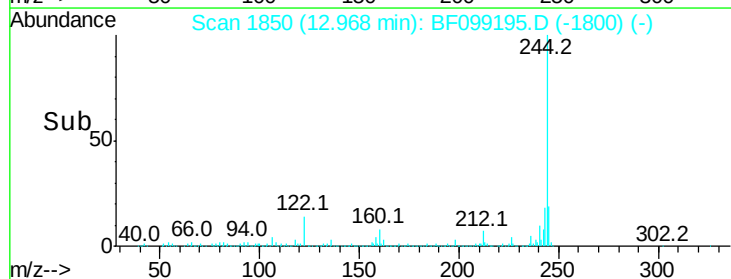
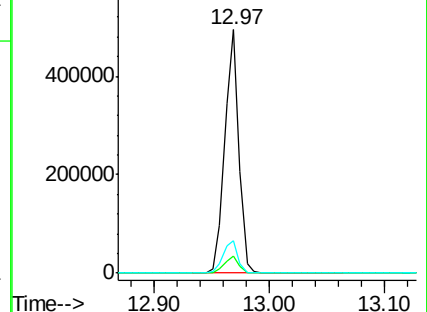
122 13.6 11.0 16.4

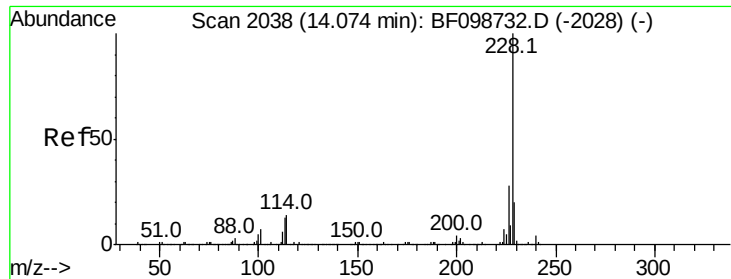


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

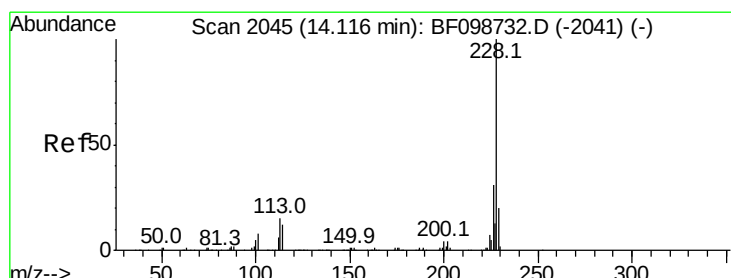
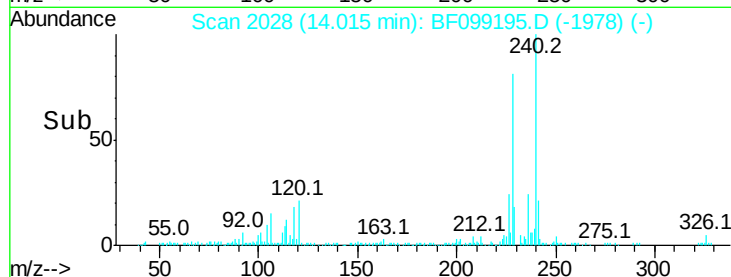
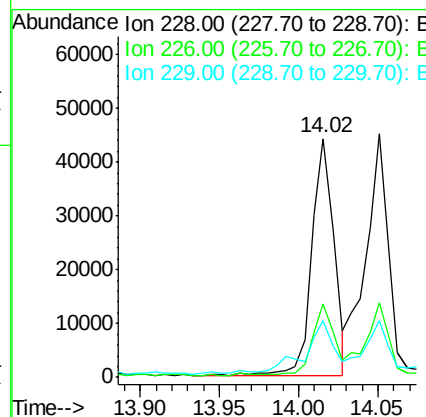
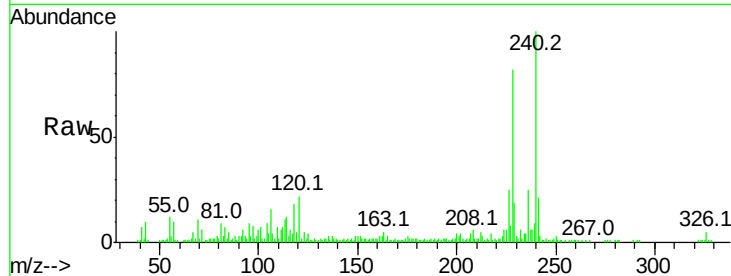




#80
Benzo(a)anthracene
Concen: 2.795 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099195.D
Acq: 7 Oct 2017 15:38

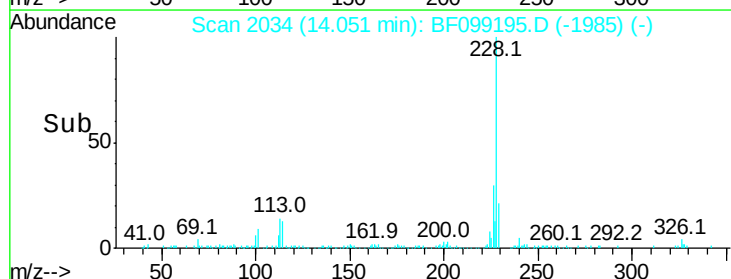
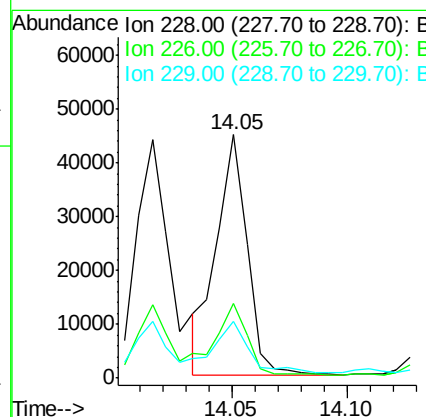
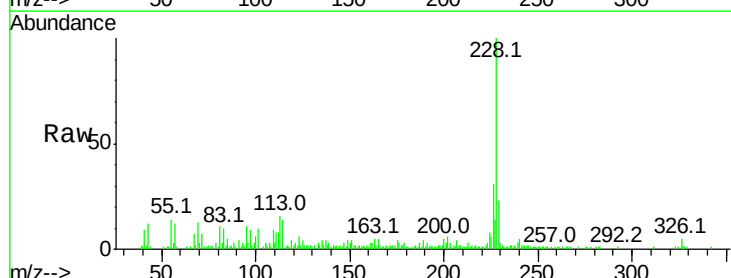
Instrument :
BNA_F
ClientSampleId :

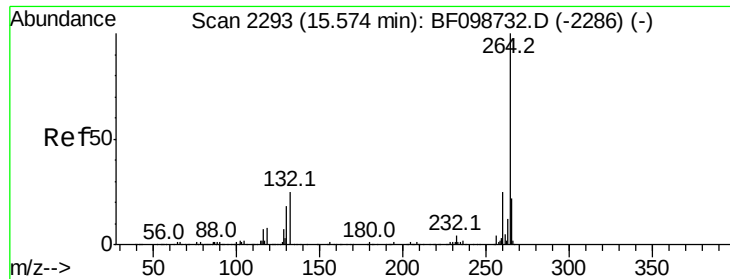
Tot Ion:228 Resp: 42297
Ion Ratio Lower Upper
228 100
226 30.5 22.6 33.8
229 23.6 15.8 23.6



#82
Chrysene
Concen: 2.879 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099195.D
Acq: 7 Oct 2017 15:38

Tgt Ion:228 Resp: 41475
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 23.1 16.2 24.4

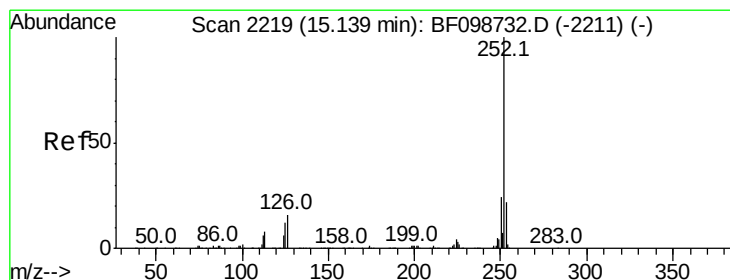
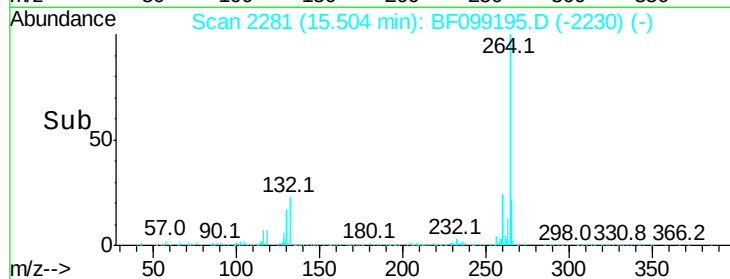
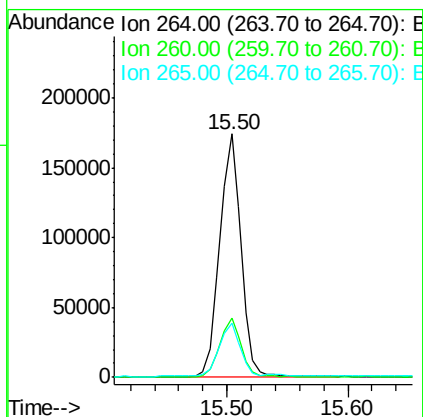
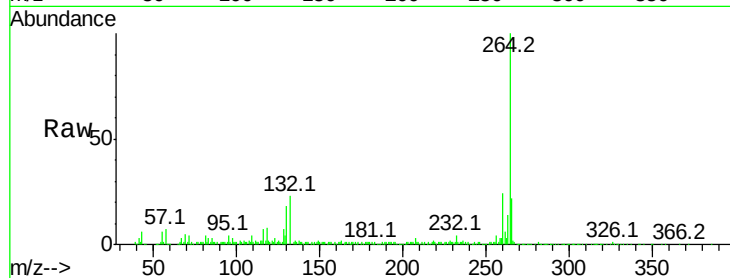




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099195.D
Acq: 7 Oct 2017 15:38

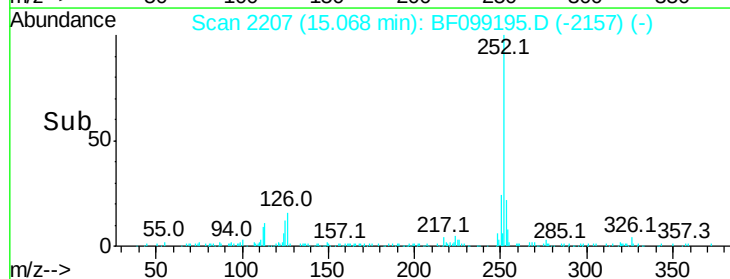
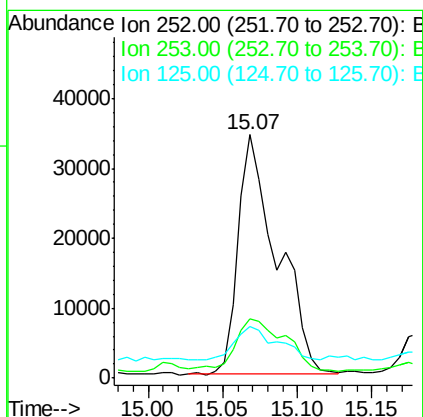
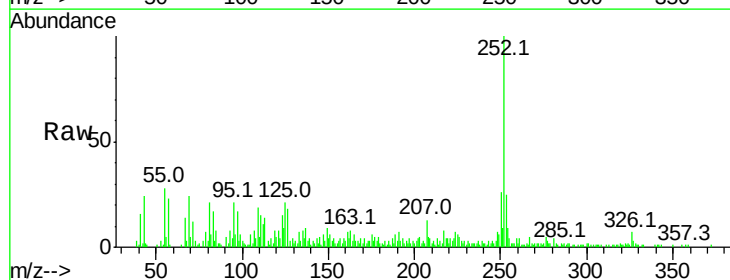
Instrument :
BNA_F
ClientSampleId :

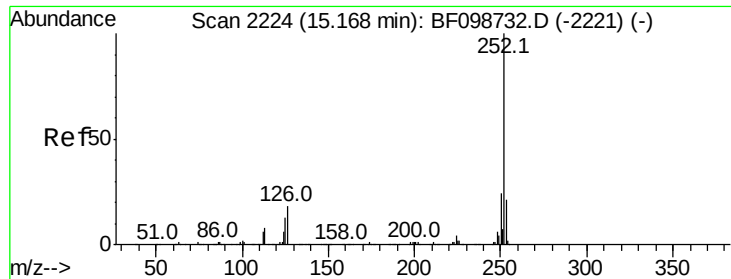
Tot Ion:264 Resp: 211395
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.813 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099195.D
Acq: 7 Oct 2017 15:38

Tgt Ion:252 Resp: 62559
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.6
125 21.0 9.0 13.6#

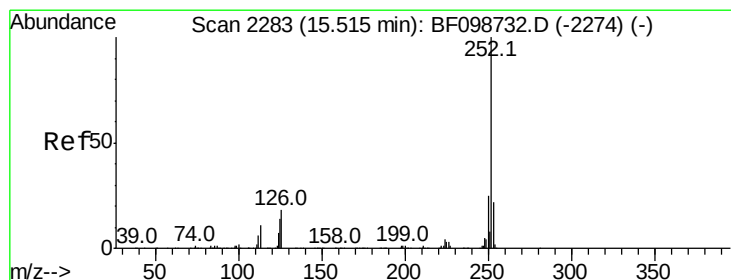
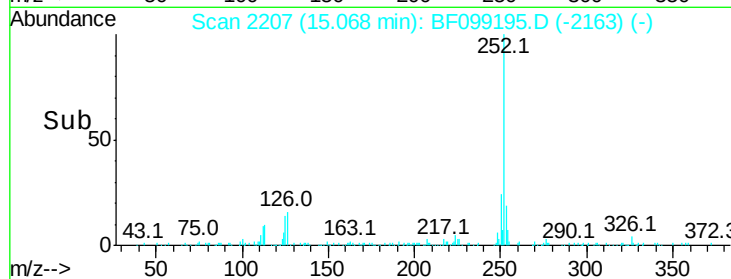
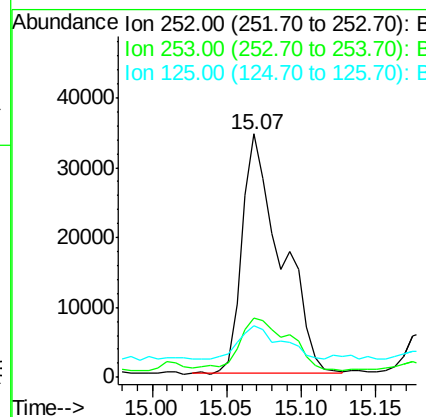
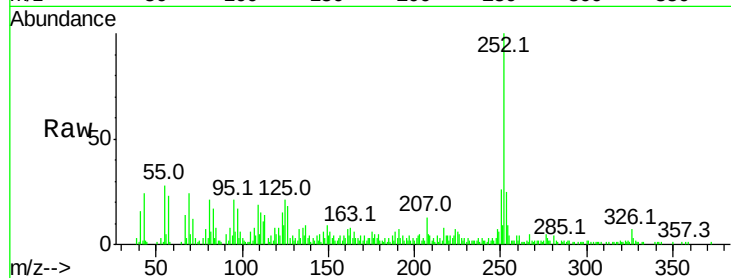




#88
Benzo(k)fluoranthene
Concen: 4.873 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF099195.D
Acq: 7 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	21.0	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.460 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099195.D
Acq: 7 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.1	25.7
125	24.8	9.8	14.6

