

Data Path : Z:\HPCHEM1\BNA F\Data\BF051817\
 Data File : BF095256.D
 Acq On : 19 May 2017 9:57
 Operator : SJ/MA
 Sample : I3186-07
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 11:43:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

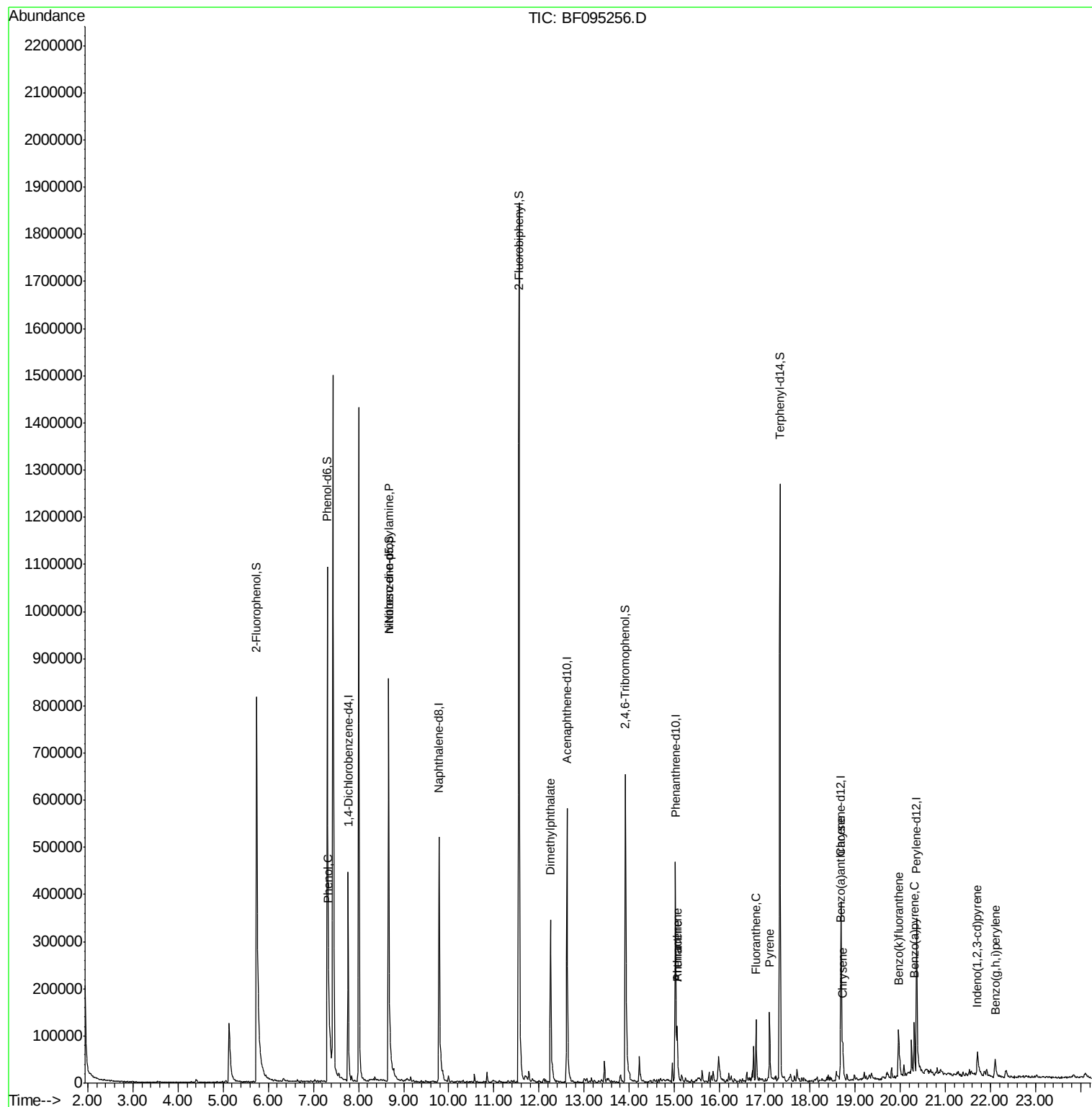
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	102771	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	443446	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	185524	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	295420	20.00	ng	0.00
75) Chrysene-d12	18.69	240	179166	20.00	ng	0.00
86) Perylene-d12	20.37	264	164320	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	641579	104.08	ng	0.00
7) Phenol-d6	7.31	99	816465	110.39	ng	0.00
23) Nitrobenzene-d5	8.67	82	513852	73.07	ng	0.00
41) 2,4,6-Tribromophenol	13.92	330	144726	95.25	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	912914	70.83	ng	0.00
78) Terphenyl-d14	17.34	244	503531	61.90	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.34	94	17245	2.21	ng	# 61
19) n-Nitroso-di-n-propylamine	8.67	70	62721	12.54	ng	# 76
49) Dimethylphthalate	12.25	163	267375	17.56	ng	100
70) Phenanthrene	15.07	178	67430	3.97	ng	94
71) Anthracene	15.07	178	67430	3.89	ng	94
74) Fluoranthene	16.81	202	82948	4.76	ng	99
77) Pyrene	17.11	202	76445	5.70	ng	# 92
80) Benzo(a)anthracene	18.68	228	35141	3.37	ng	96
82) Chrysene	18.73	228	37353	3.70	ng	96
85) Indeno(1,2,3-cd)pyrene	21.72	276	36572	4.47	ng	# 91
88) Benzo(k)fluoranthene	19.97	252	80057	8.17	ng	98
89) Benzo(a)pyrene	20.31	252	53480	5.71	ng	98
91) Benzo(a,h,i)perylene	22.11	276	34195	4.50	ng	95

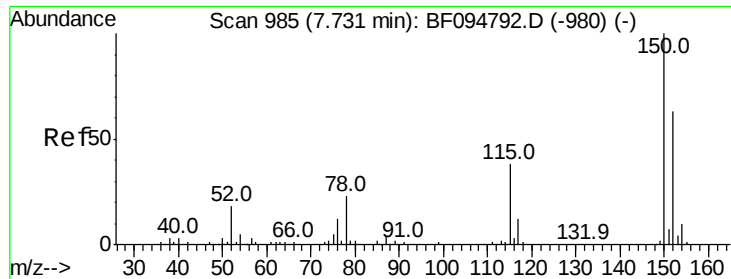
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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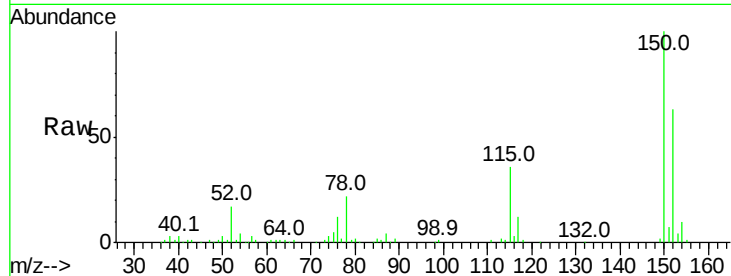


#1

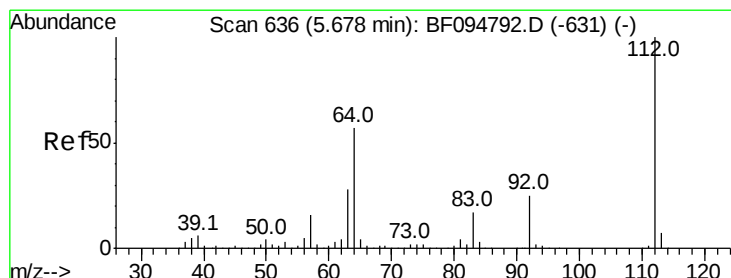
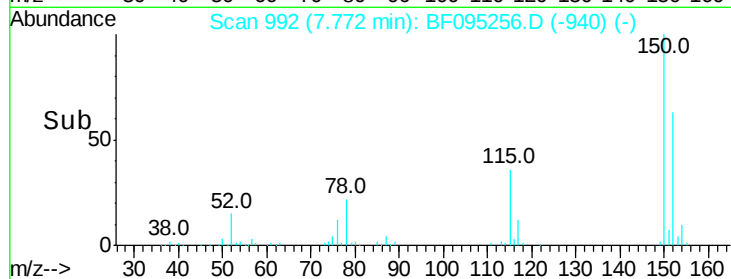
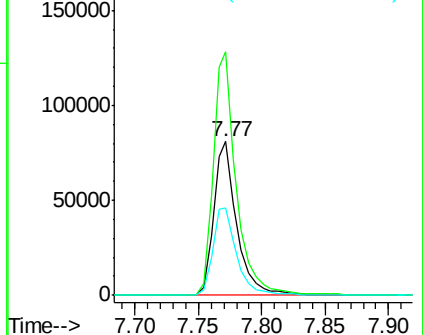
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF095256.D
Acq: 19 May 2017 9:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102771
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 57.1 52.2 78.2



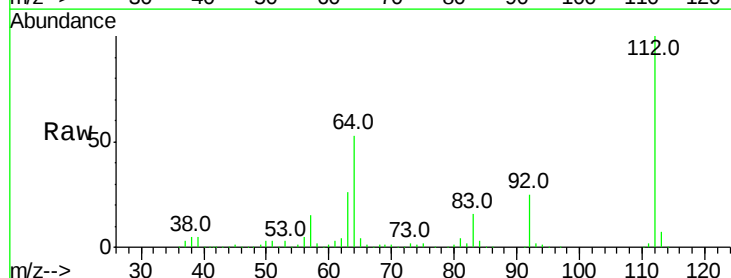
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



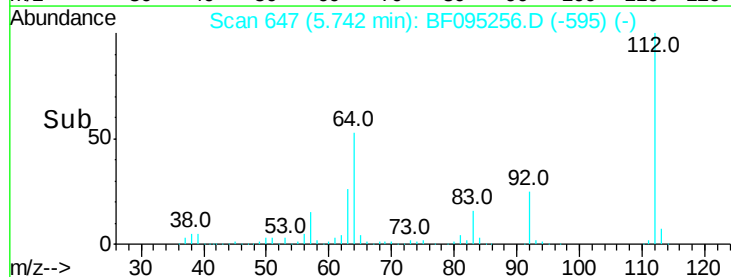
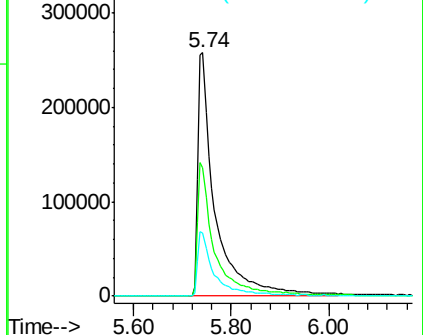
#5

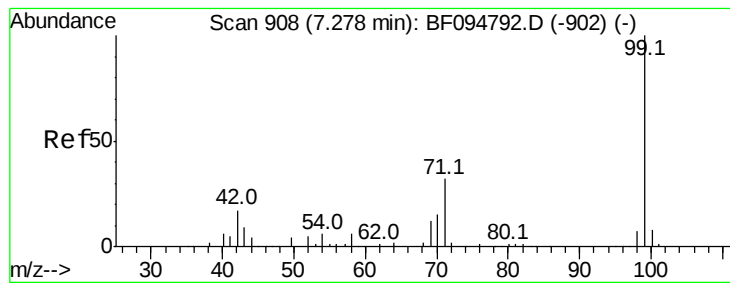
2-Fluorophenol
Concen: 104.08 ng
RT: 5.74 min Scan# 647
Delta R.T. 0.01 min
Lab File: BF095256.D
Acq: 19 May 2017 9:57

Tgt Ion:112 Resp: 641579
Ion Ratio Lower Upper
112 100
64 53.0 46.0 69.0
63 26.1 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: 110.39 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095256.D

Acq: 19 May 2017 9:57

Instrument :

BNA_F

ClientSampled :

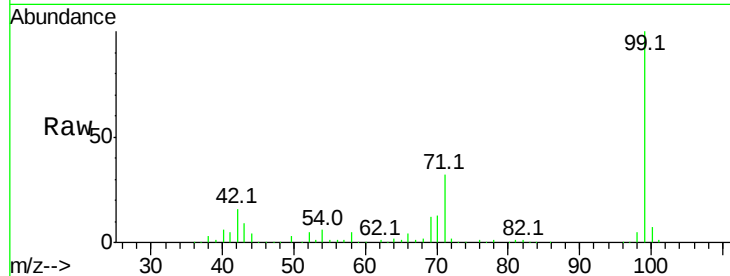
Tot Ion: 99 Resp: 816465

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

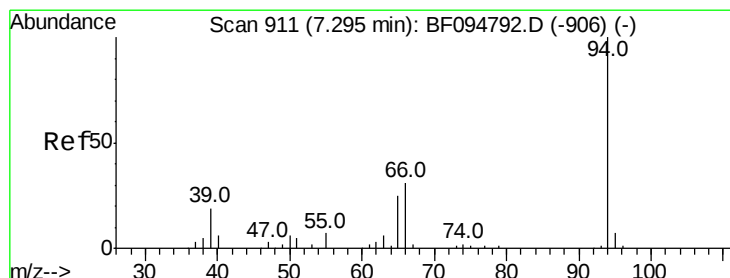
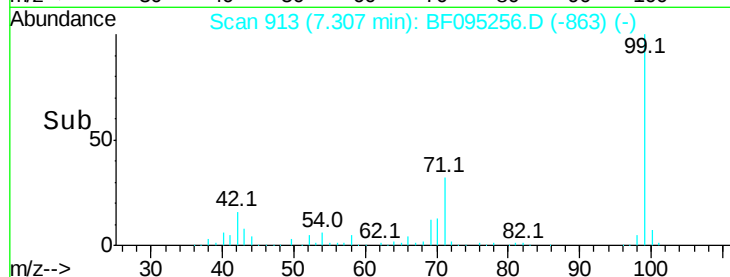
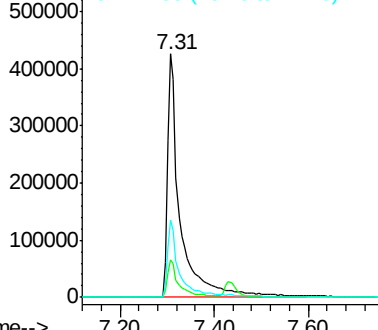
71 31.8 24.5 36.7



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



#10

Phenol

Concen: 2.21 ng

RT: 7.34 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF095256.D

Acq: 19 May 2017 9:57

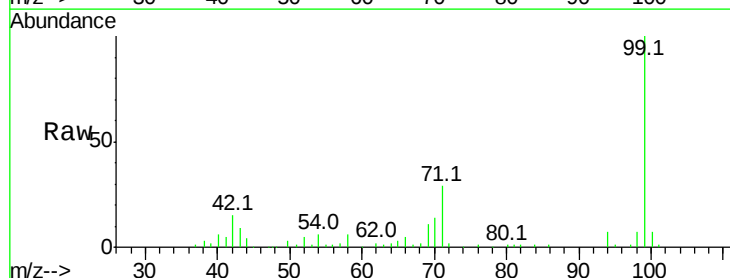
Tgt Ion: 94 Resp: 17245

Ion Ratio Lower Upper

94 100

65 39.7 9.9 49.9

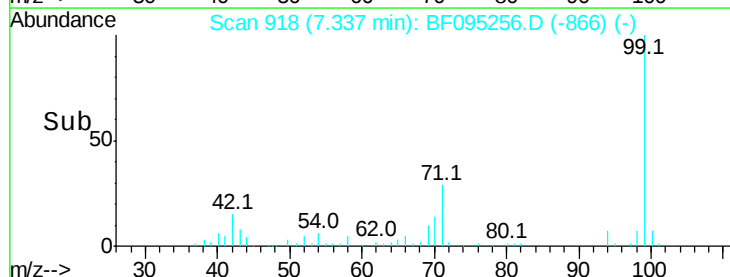
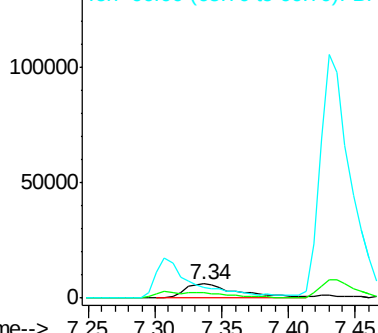
66 76.8 23.1 63.1#

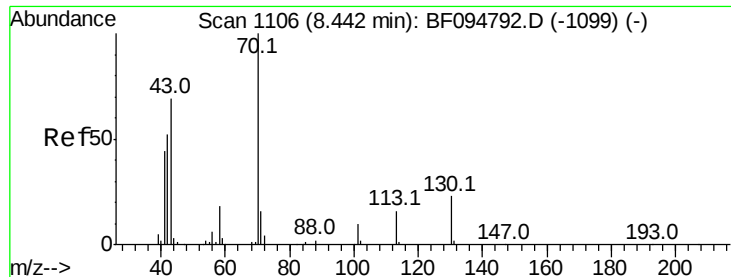


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 12.54 ng

RT: 8.67 min Scan# 1144

Delta R.T. 0.19 min

Lab File: BF095256.D

Acq: 19 May 2017 9:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 62721

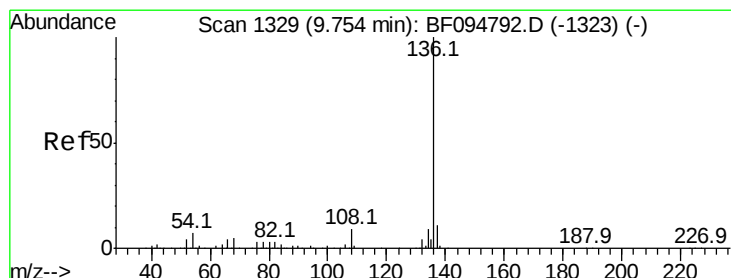
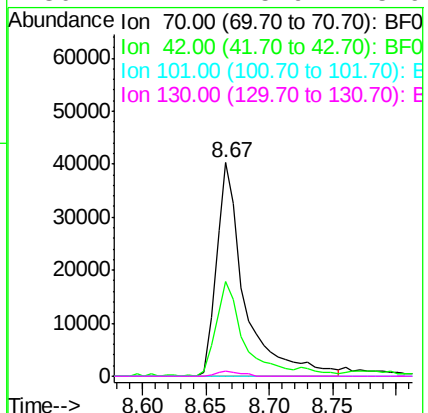
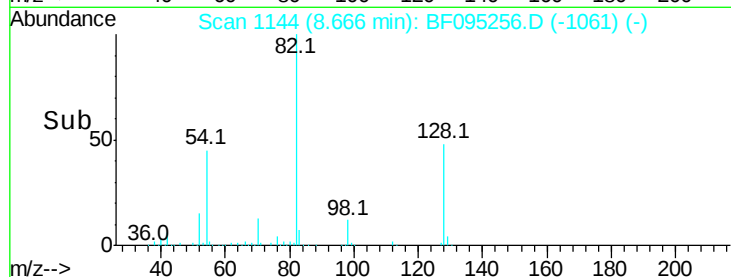
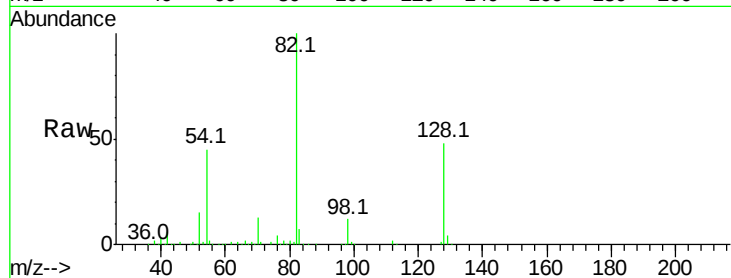
Ion Ratio Lower Upper

70 100

42 44.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF095256.D

Acq: 19 May 2017 9:57

Tgt Ion: 136 Resp: 443446

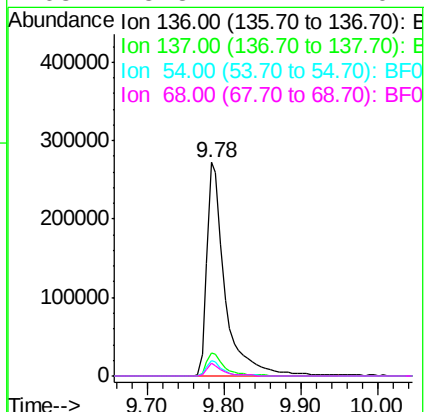
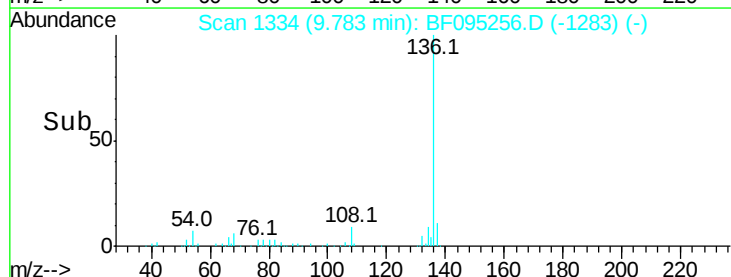
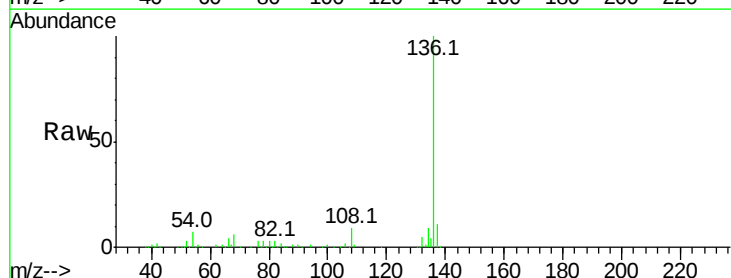
Ion Ratio Lower Upper

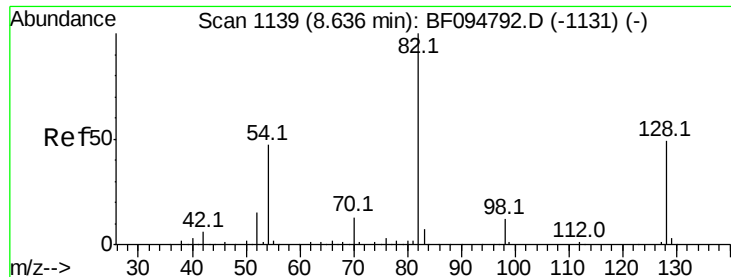
136 100

137 10.6 8.5 12.7

54 7.0 4.9 7.3

68 5.8 4.1 6.1

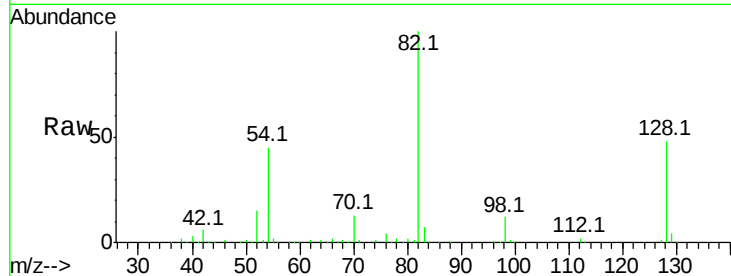




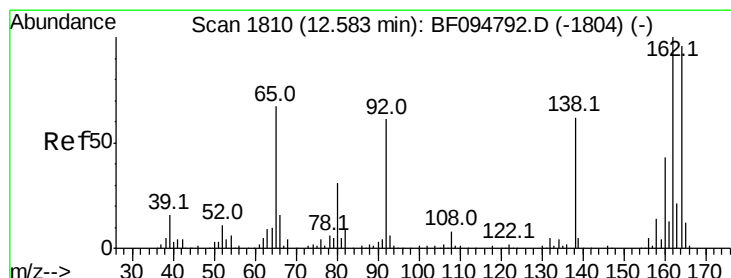
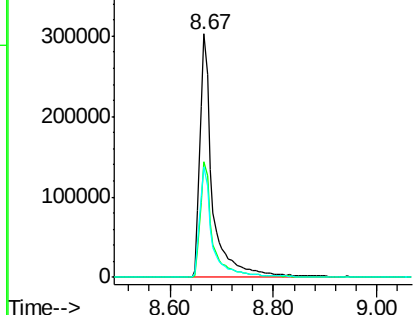
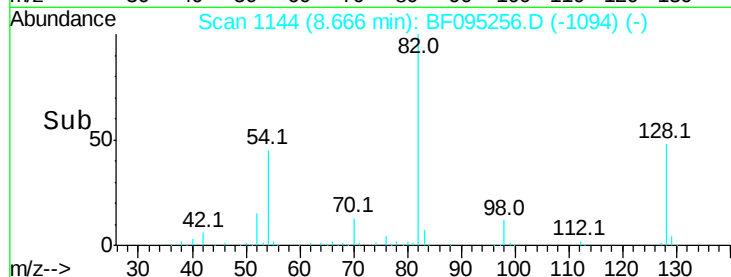
#23
 Nitrobenzene-d5
 Concen: 73.07 ng
 RT: 8.67 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF095256.D
 Acq: 19 May 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 513852
 Ion Ratio Lower Upper
 82 100
 128 47.7 34.0 51.0
 54 45.1 42.2 63.2

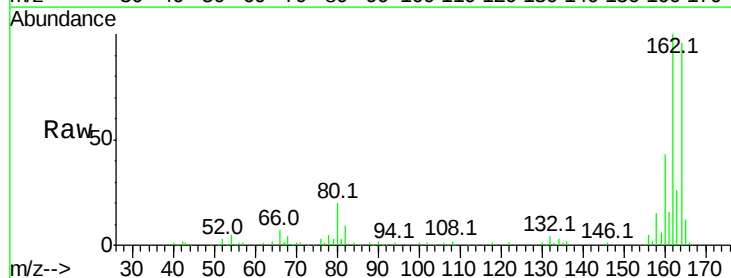


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

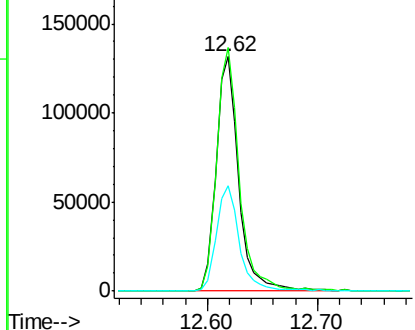
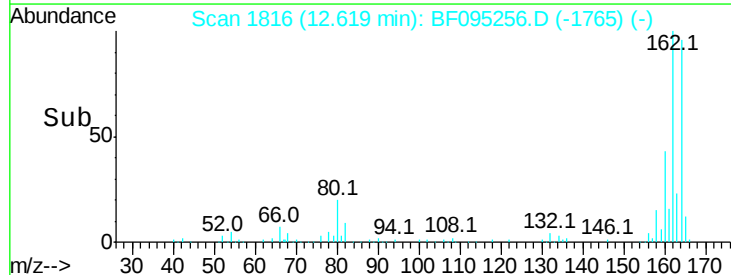


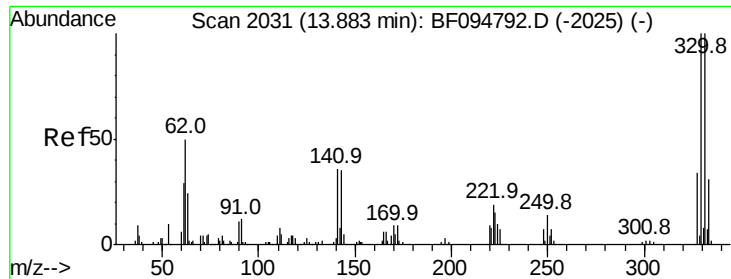
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: BF095256.D
 Acq: 19 May 2017 9:57

Tgt Ion:164 Resp: 185524
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.6 123.8
 160 44.7 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

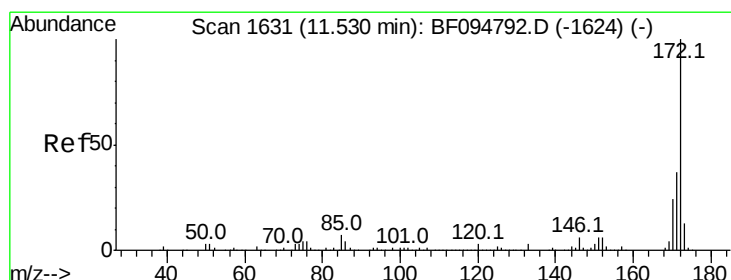
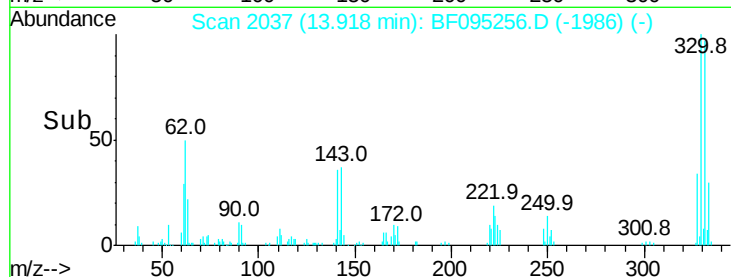
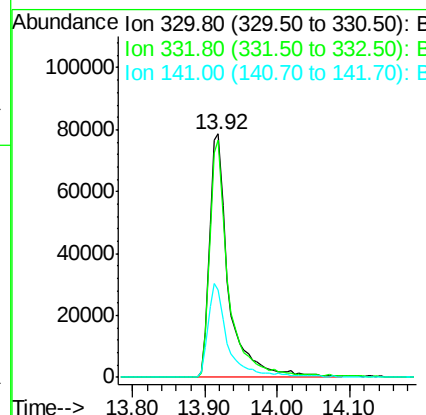
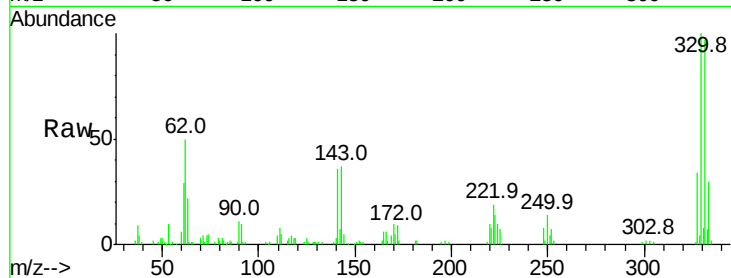




#41
 2,4,6-Tribromophenol
 Concen: 95.25 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: BF095256.D
 Acq: 19 May 2017 9:57

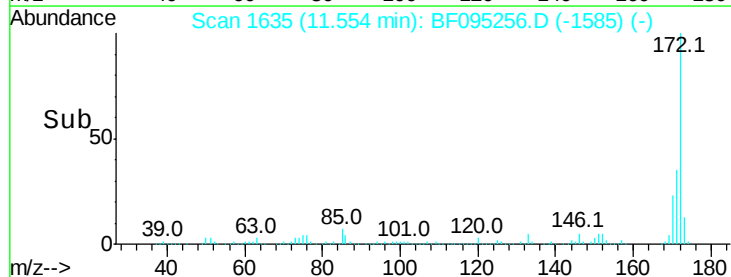
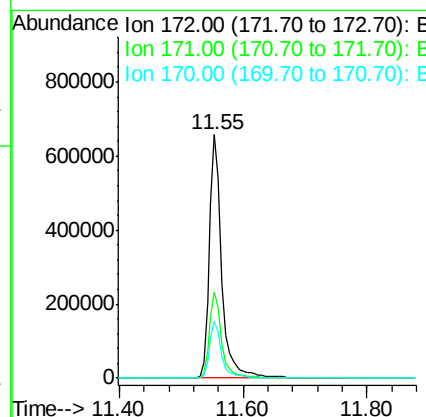
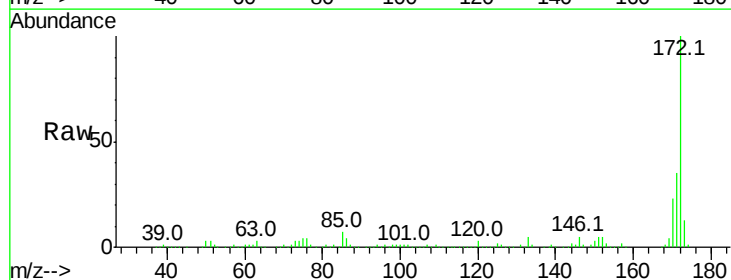
Instrument :
 BNA_F
 ClientSampled :

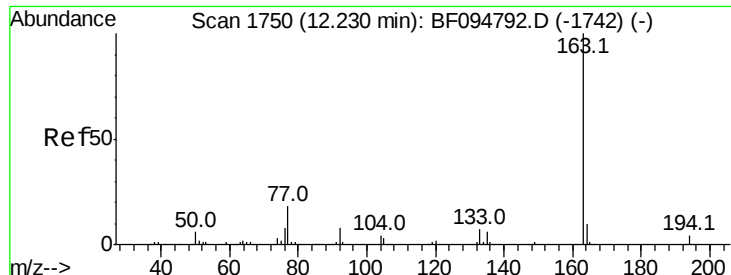
Tot Ion:330 Resp: 144726
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 39.8 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 70.83 ng
 RT: 11.55 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF095256.D
 Acq: 19 May 2017 9:57

Tgt Ion:172 Resp: 912914
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.5 19.8 29.8





#49

Dimethylphthalate

Concen: 17.56 ng

RT: 12.25 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF095256.D

Acq: 19 May 2017 9:57

Instrument :

BNA_F

ClientSampled :

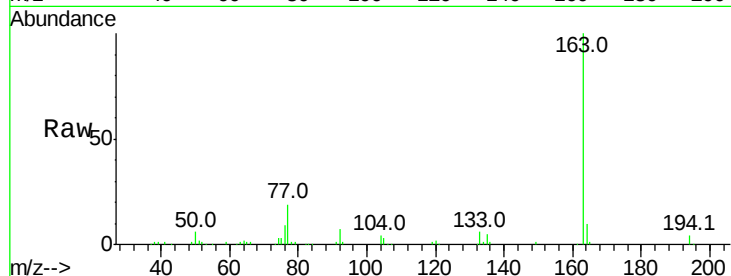
Tot Ion:163 Resp: 267375

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

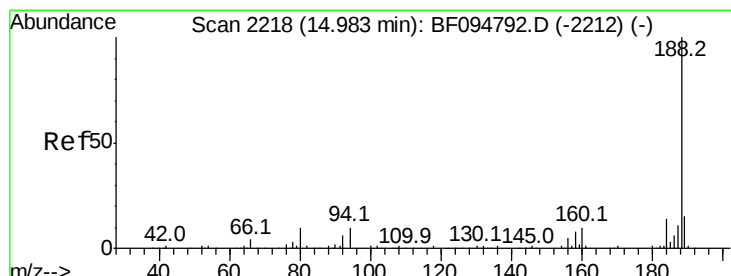
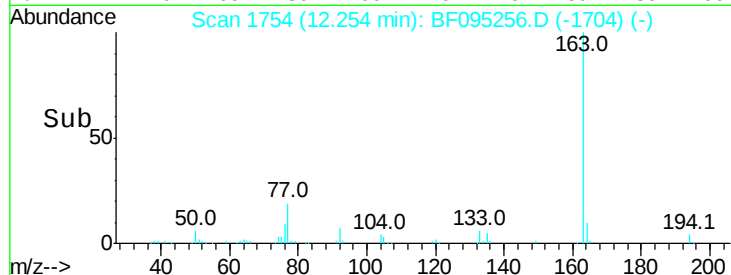
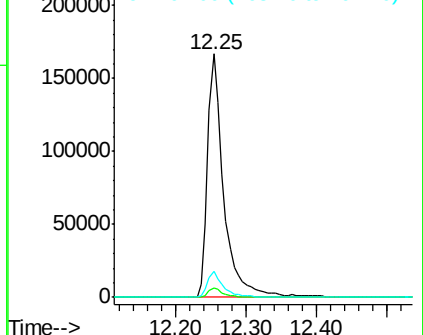
164 10.5 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.02 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BF095256.D

Acq: 19 May 2017 9:57

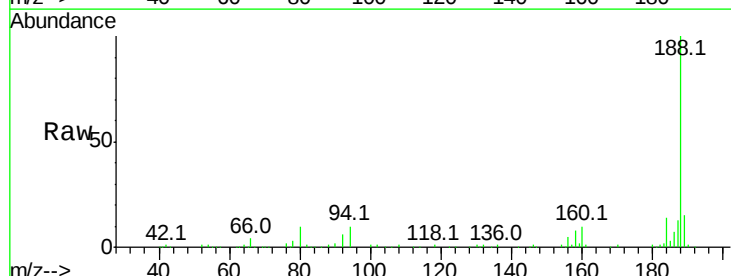
Tgt Ion:188 Resp: 295420

Ion Ratio Lower Upper

188 100

94 9.6 9.4 14.2

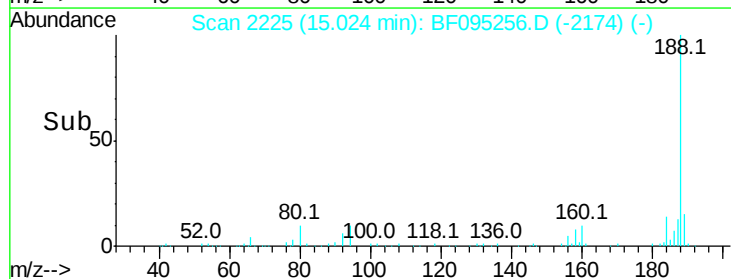
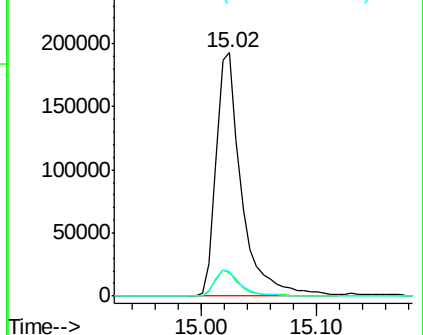
80 10.3 10.2 15.2

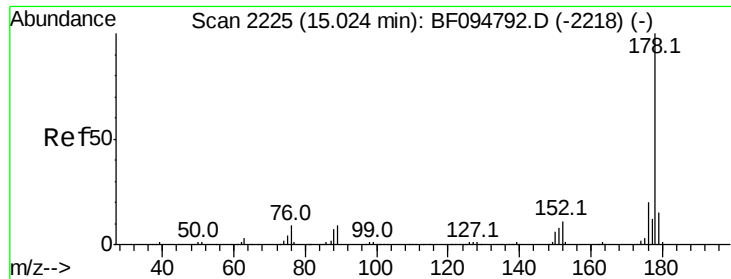


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

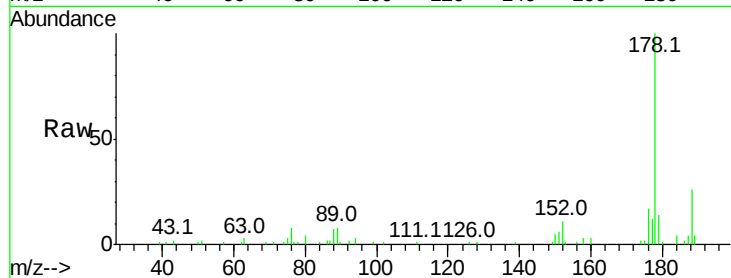




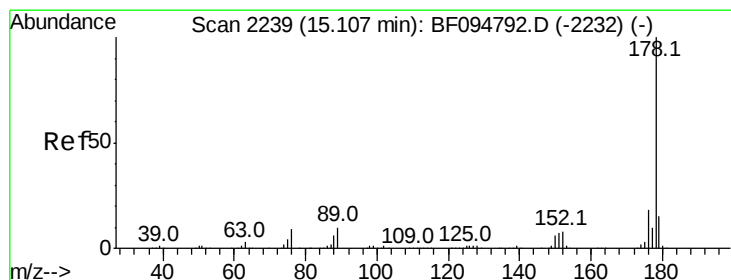
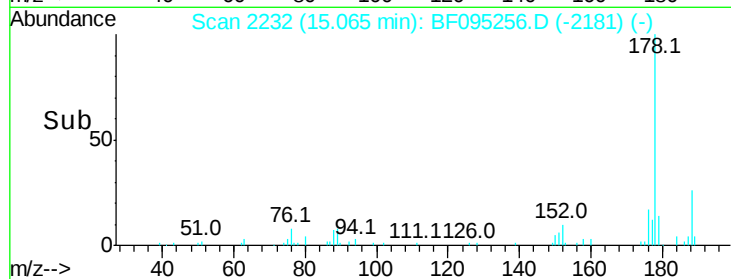
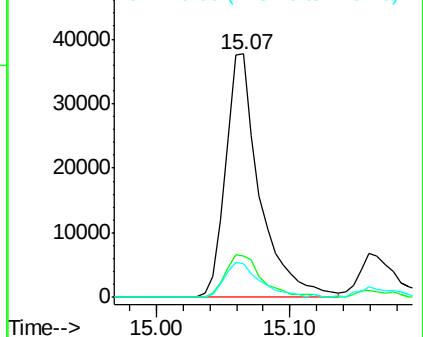
#70
Phenanthrene
Concen: 3.97 ng
RT: 15.07 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF095256.D
Acq: 19 May 2017 9:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 67430
Ion Ratio Lower Upper
178 100
176 16.9 16.2 24.4
179 13.9 12.6 19.0

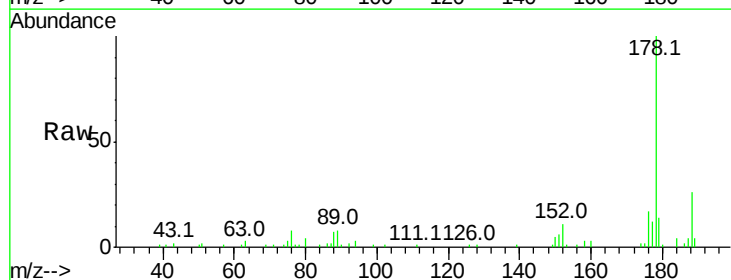


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

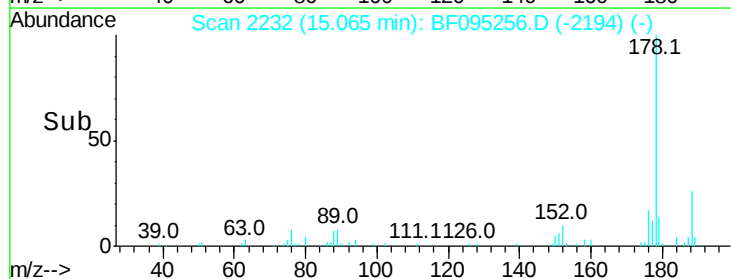
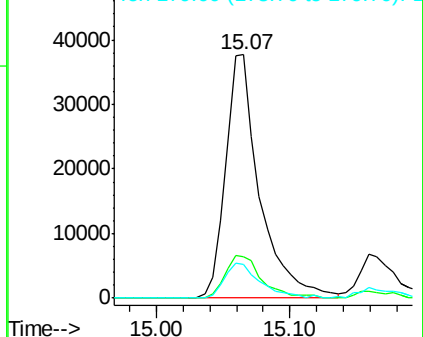


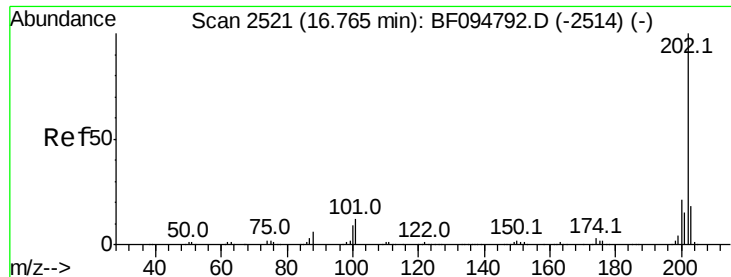
#71
Anthracene
Concen: 3.89 ng
RT: 15.07 min Scan# 2232
Delta R.T. -0.08 min
Lab File: BF095256.D
Acq: 19 May 2017 9:57

Tgt Ion:178 Resp: 67430
Ion Ratio Lower Upper
178 100
176 16.9 15.8 23.8
179 13.9 12.7 19.1



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

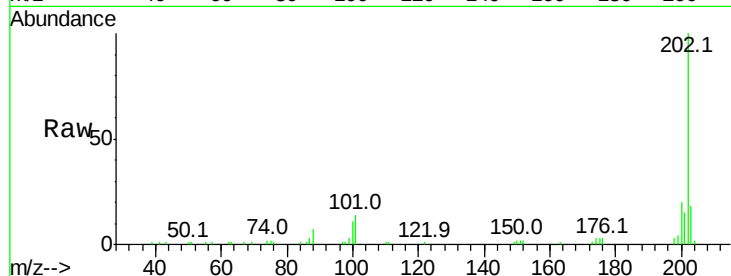




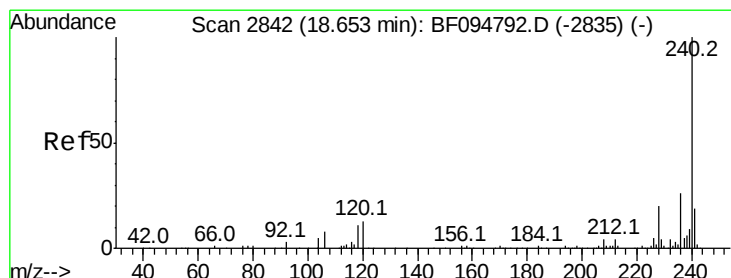
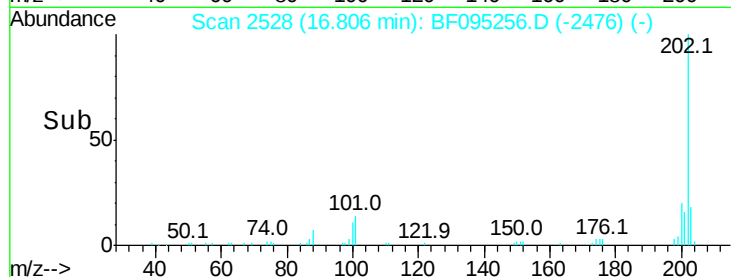
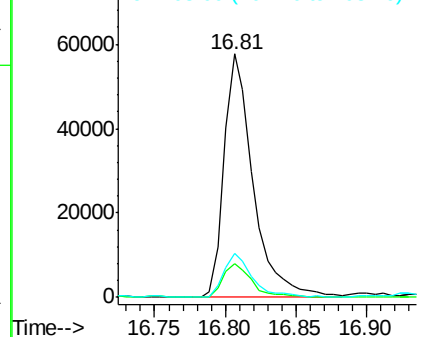
#74
 Fluoranthene
 Concen: 4.76 ng
 RT: 16.81 min Scan# 2528
 Delta R.T. 0.01 min
 Lab File: BF095256.D
 Acq: 19 May 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	18.1	0.0	38.1

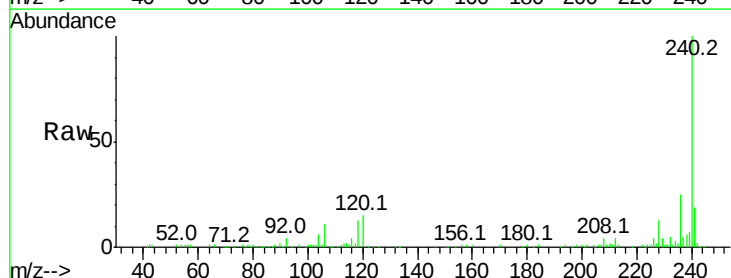


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

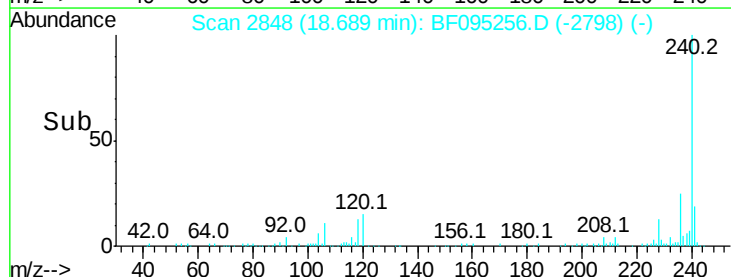
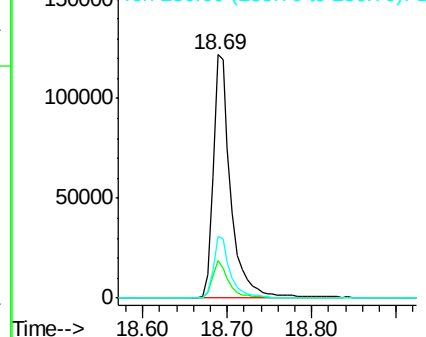


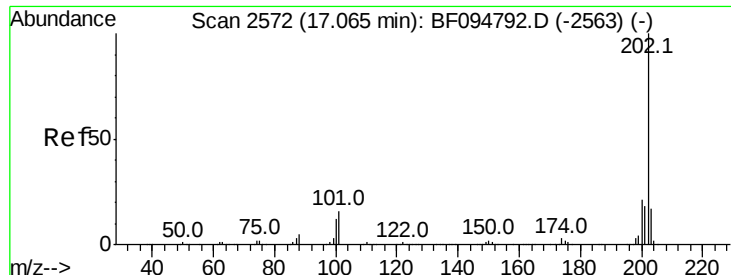
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF095256.D
 Acq: 19 May 2017 9:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.4	5.8	8.8#
236	25.4	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

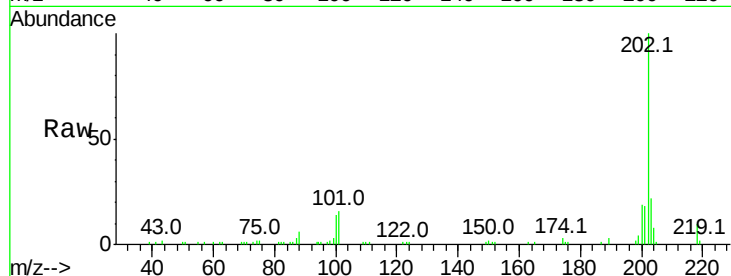




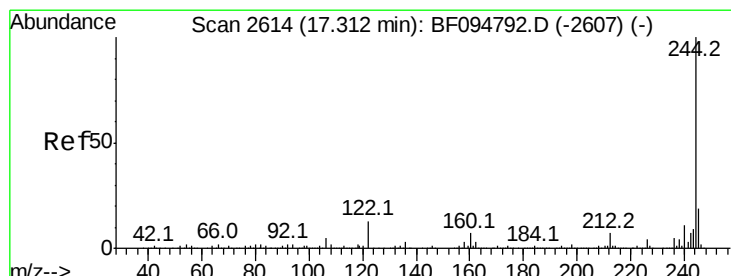
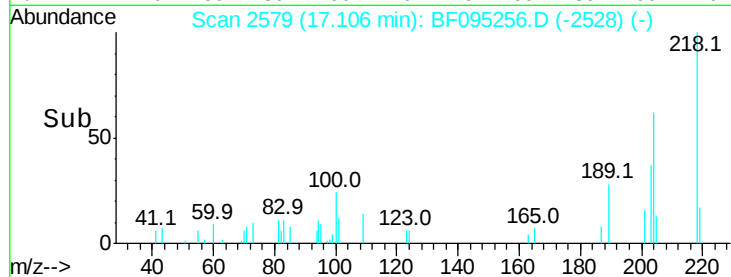
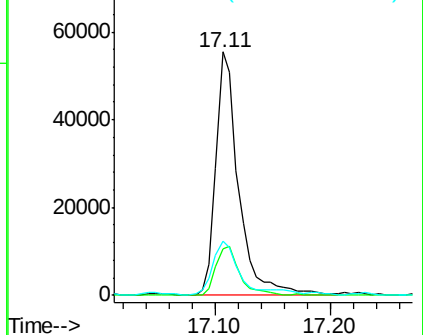
#77
Pvrene
Concen: 5.70 ng
RT: 17.11 min Scan# 2579
Delta R.T. 0.00 min
Lab File: BF095256.D
Acq: 19 May 2017 9:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 76445
Ion Ratio Lower Upper
202 100
200 19.2 17.6 26.4
203 22.4 14.4 21.6#

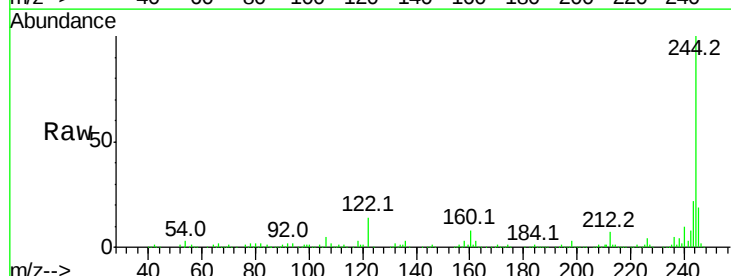


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

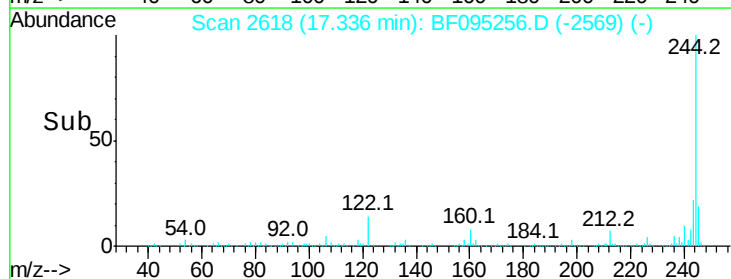
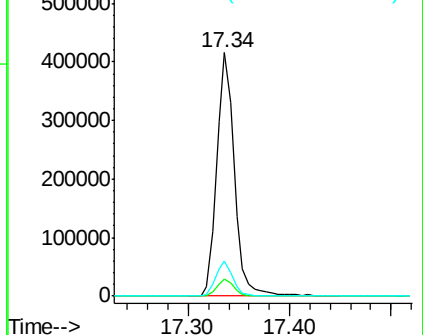


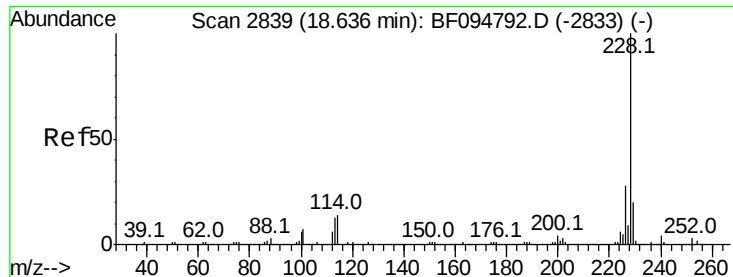
#78
Terphenyl-d14
Concen: 61.90 ng
RT: 17.34 min Scan# 2618
Delta R.T. -0.01 min
Lab File: BF095256.D
Acq: 19 May 2017 9:57

Tgt Ion:244 Resp: 503531
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 14.4 10.3 15.5



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

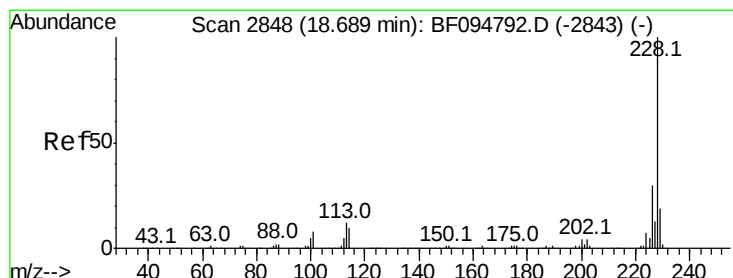
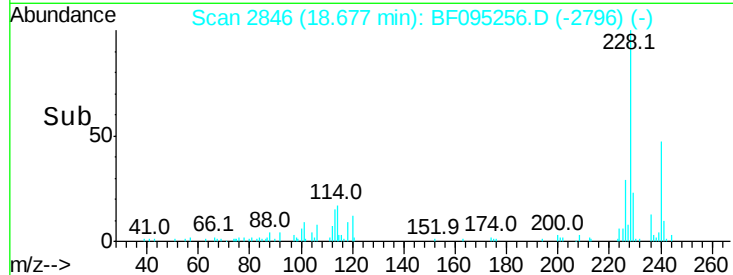
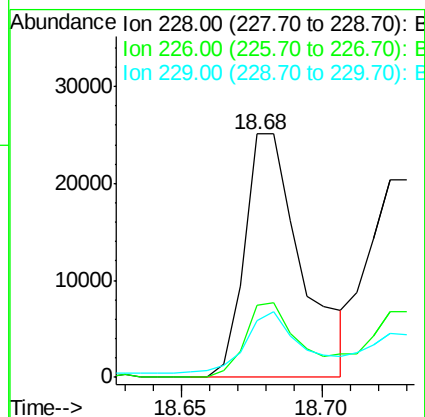
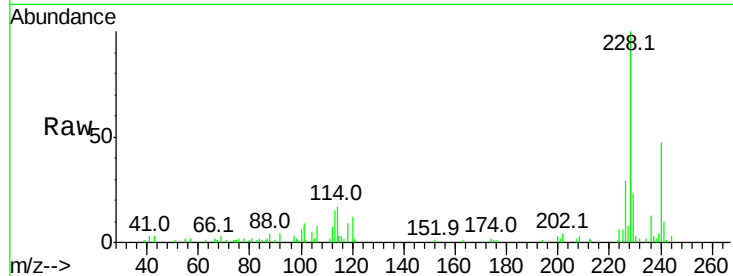




#80
Benzo(a)anthracene
Concen: 3.37 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF095256.D
Acq: 19 May 2017 9:57

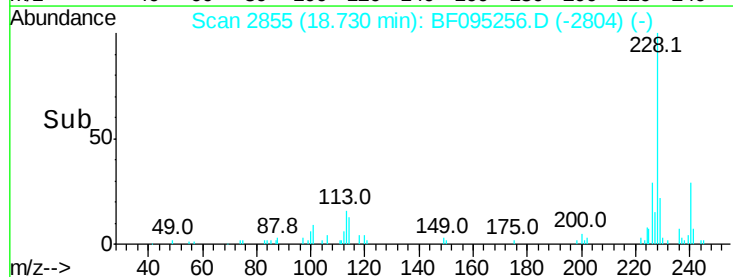
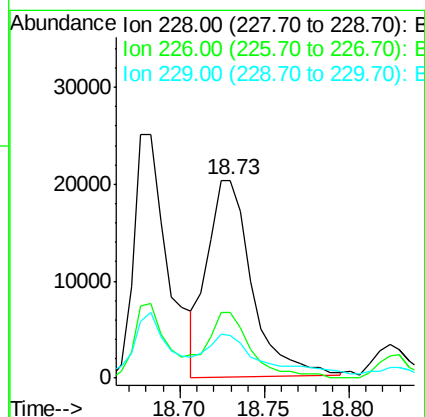
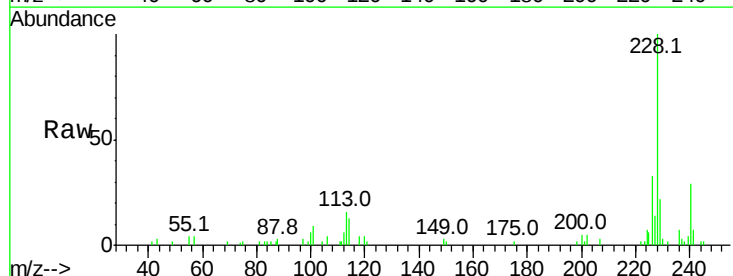
Instrument :
BNA_F
ClientSampleId :

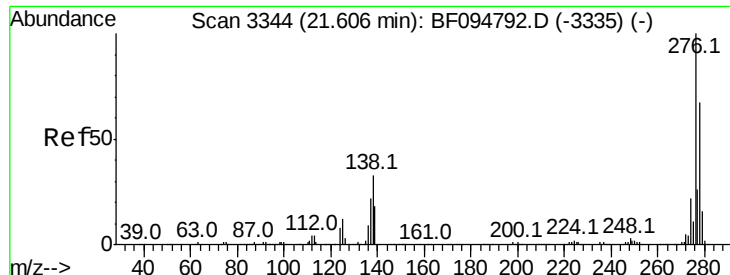
Tot Ion:228 Resp: 35141
Ion Ratio Lower Upper
228 100
226 29.4 22.6 33.8
229 23.4 16.3 24.5



#82
Chrysene
Concen: 3.70 ng
RT: 18.73 min Scan# 2855
Delta R.T. 0.00 min
Lab File: BF095256.D
Acq: 19 May 2017 9:57

Tgt Ion:228 Resp: 37353
Ion Ratio Lower Upper
228 100
226 32.9 24.9 37.3
229 21.6 15.8 23.6

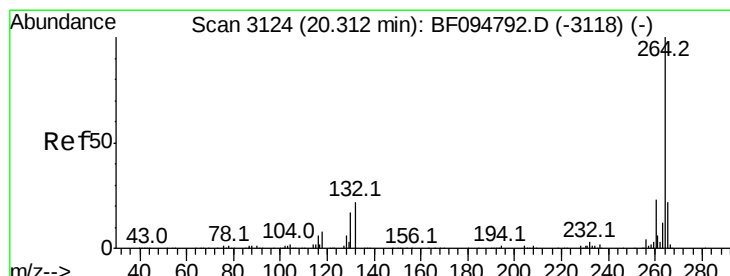
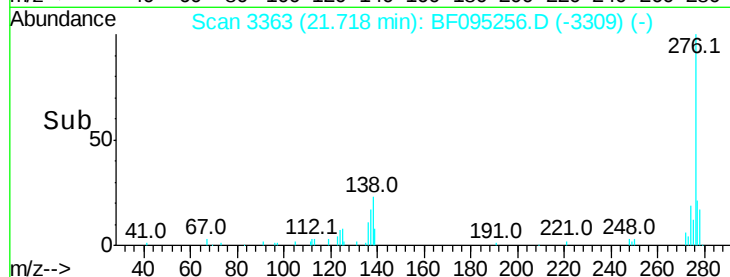
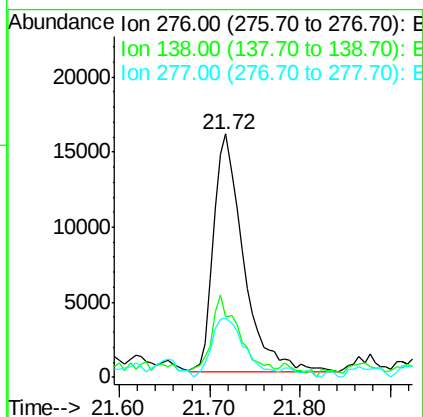
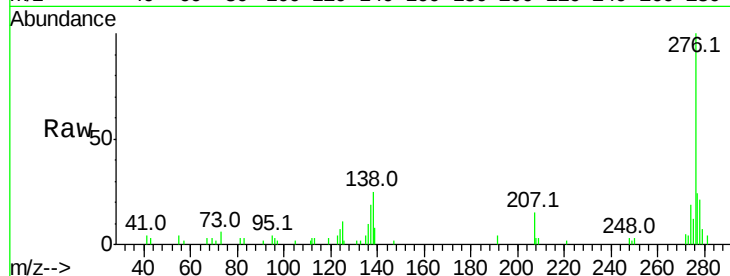




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.47 ng
 RT: 21.72 min Scan# 3363
 Delta R.T. 0.02 min
 Lab File: BF095256.D
 Acq: 19 May 2017 9:57

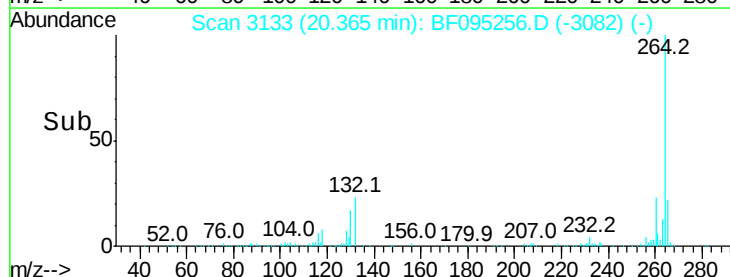
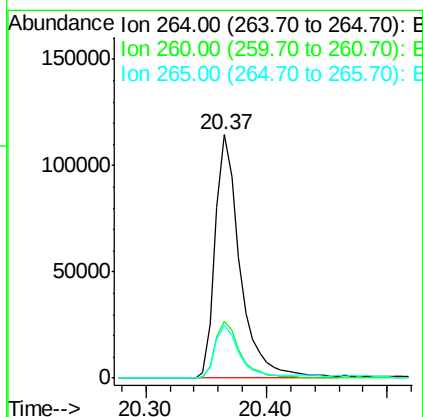
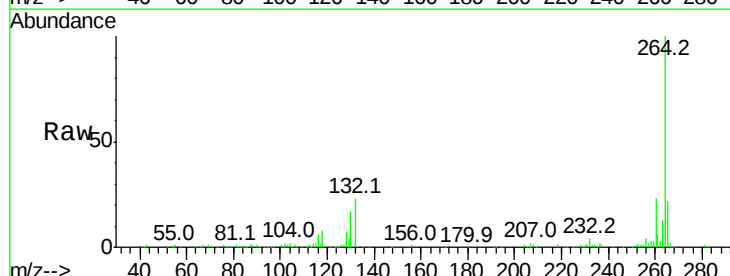
Instrument :
 BNA_F
 ClientSampleId :

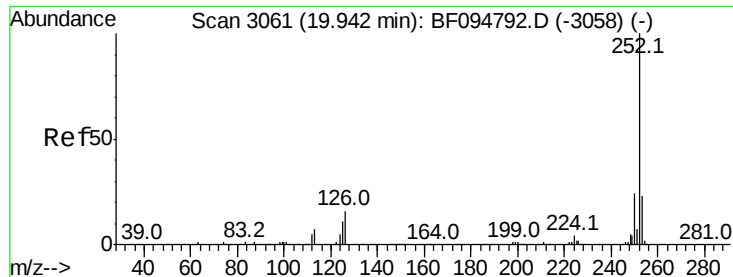
Tot Ion:276 Resp: 36572
 Ion Ratio Lower Upper
 276 100
 138 27.5 27.8 41.6#
 277 27.9 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.37 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: BF095256.D
 Acq: 19 May 2017 9:57

Tgt Ion:264 Resp: 164320
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 21.7 17.2 25.8

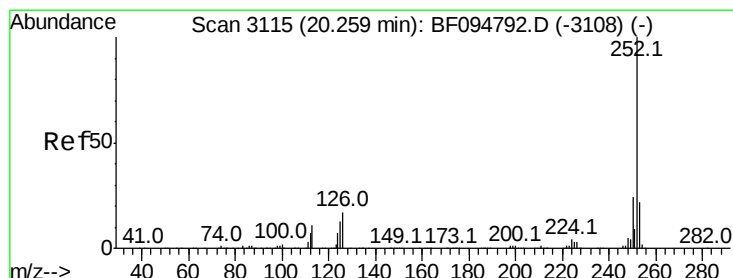
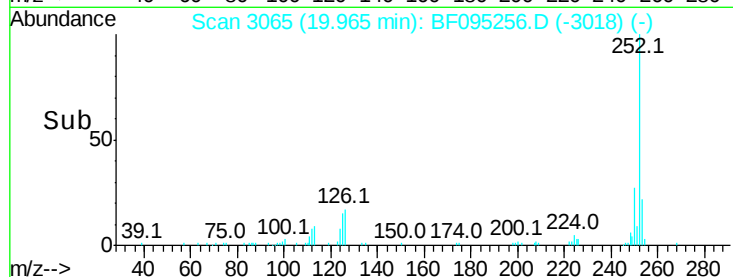
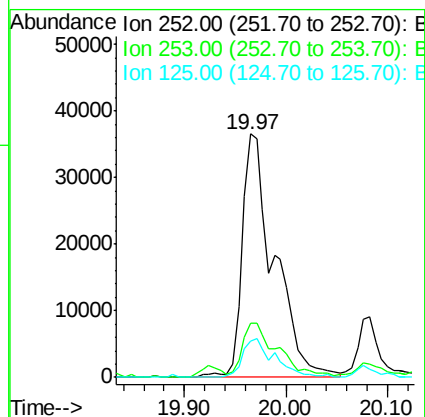
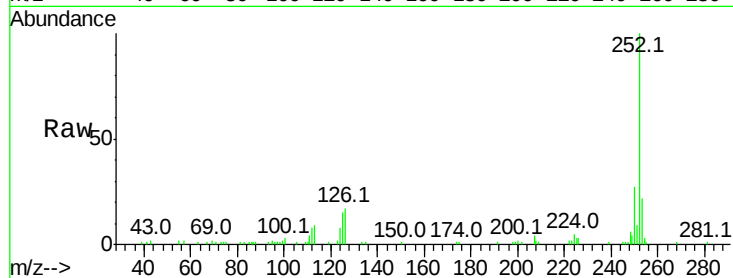




#88
Benzo(k)fluoranthene
Concen: 8.17 ng
RT: 19.97 min Scan# 3065
Delta R.T. -0.02 min
Lab File: BF095256.D
Acq: 19 May 2017 9:57

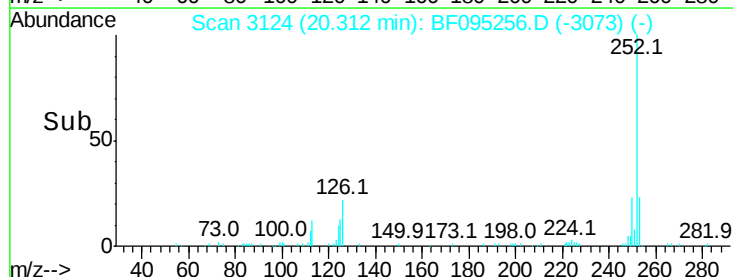
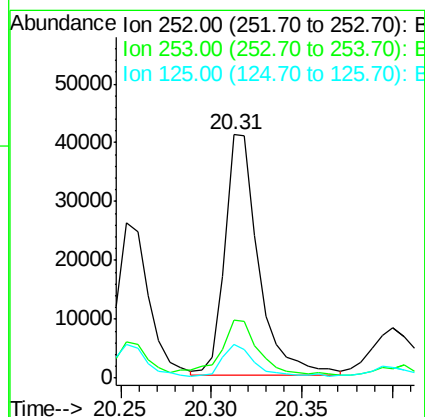
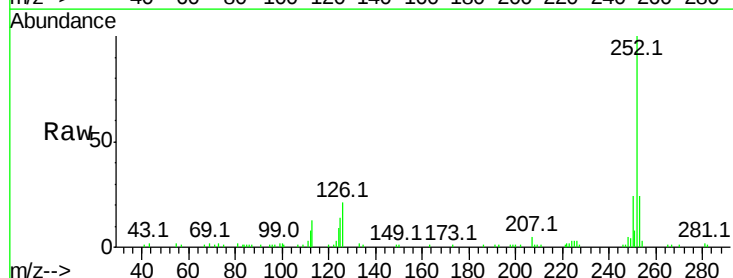
Instrument :
BNA_F
ClientSampled :

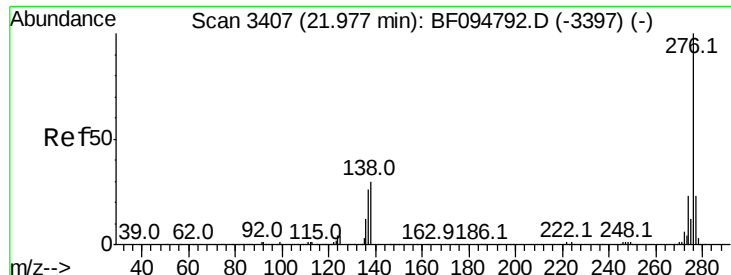
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	15.1	13.1	19.7



#89
Benzo(a)pyrene
Concen: 5.71 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF095256.D
Acq: 19 May 2017 9:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	13.8	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 4.50 ng

RT: 22.11 min Scan# 3429

Delta R.T. 0.02 min

Lab File: BF095256.D

Acq: 19 May 2017 9:57

Instrument :

BNA_F

ClientSampleId :

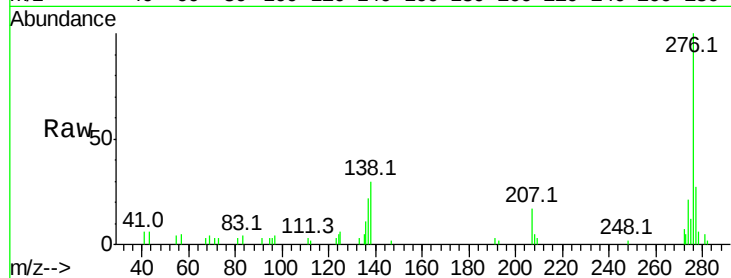
Tot Ion:276 Resp: 34195

Ion Ratio Lower Upper

276 100

277 27.0 18.6 28.0

138 29.9 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

