

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095140.D
 Acq On : 15 May 2017 23:00
 Operator : SJ/MA
 Sample : I3140-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 06:00:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	75426	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	309699	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	147239	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	199969	20.00	ng	0.05
75) Chrysene-d12	18.71	240	174110	20.00	ng	0.05
86) Perylene-d12	20.39	264	156066	20.00	ng	0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.82	112	19180	4.24	ng	0.15
7) Phenol-d6	7.39	99	18991	3.50	ng	0.11
23) Nitrobenzene-d5	8.68	82	53337	10.86	ng	0.05
41) 2,4,6-Tribromophenol	13.93	330	16927	14.04	ng	0.05
44) 2-Fluorobiphenyl	11.57	172	154003	15.05	ng	0.04
78) Terphenyl-d14	17.35	244	86701	10.97	ng	0.04

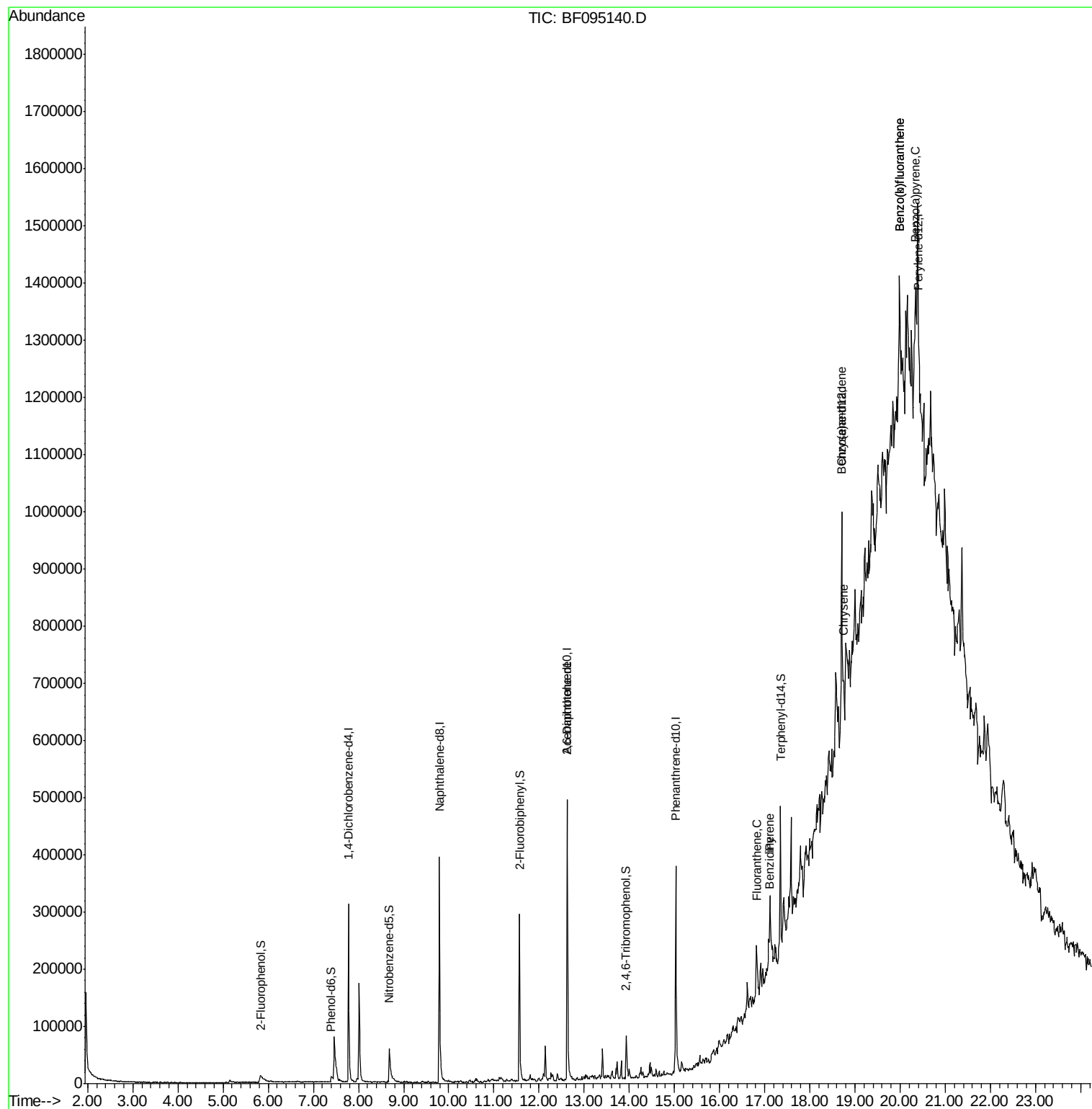
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	12.62	165	15501	6.29	ng	# 31
74) Fluoranthene	16.81	202	53390	4.53	ng	98
76) Benzidine	17.10	184	126	6.61	ng	# 1
77) Pyrene	17.12	202	58539	4.50	ng	96
80) Benzo(a)anthracene	18.69	228	35468	3.50	ng	# 91
82) Chrysene	18.74	228	37351	3.81	ng	94
87) Benzo(b)fluoranthene	19.98	252	60979	6.32	ng	# 42
88) Benzo(k)fluoranthene	19.98	252	60979	6.56	ng	# 43
89) Benzo(a)pyrene	20.34	252	26379	2.96	ng	# 12

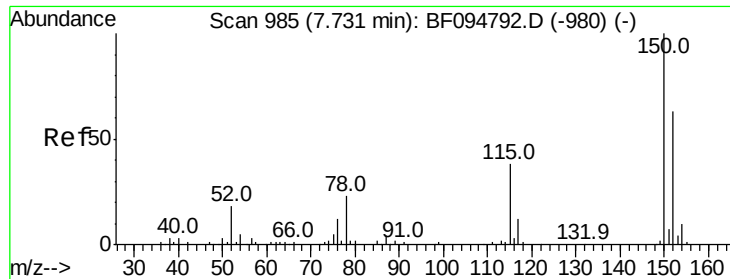
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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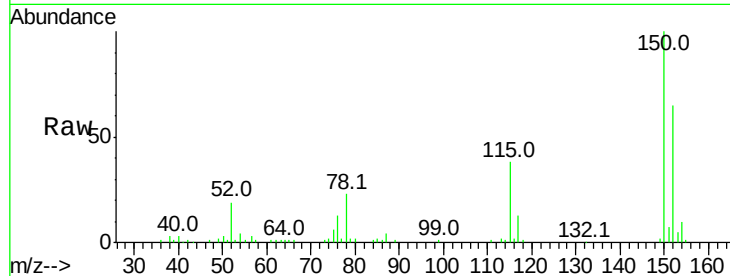


#1

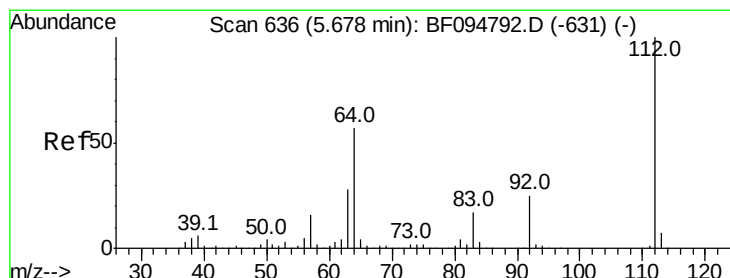
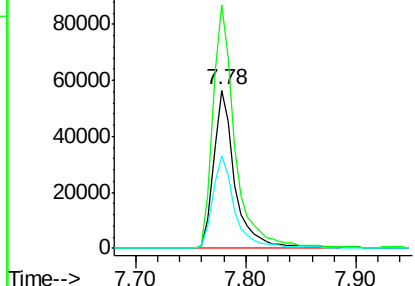
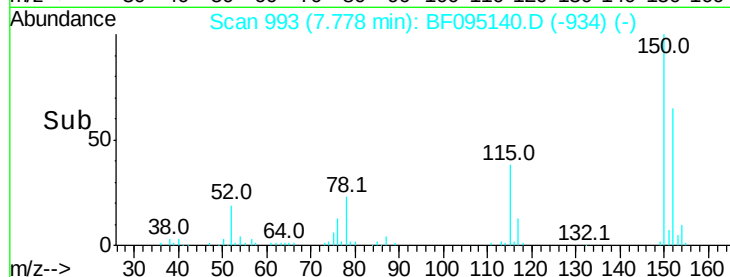
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095140.D
Acq: 15 May 2017 23:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 75426
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.2
115 58.3 52.2 78.2



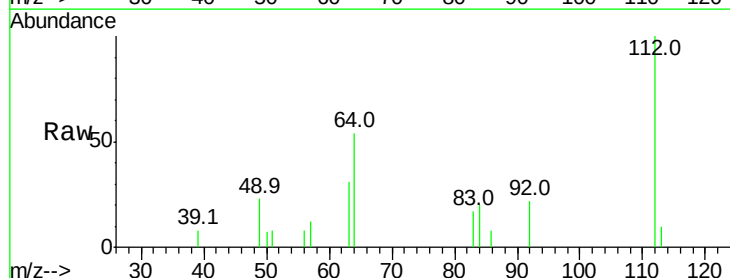
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



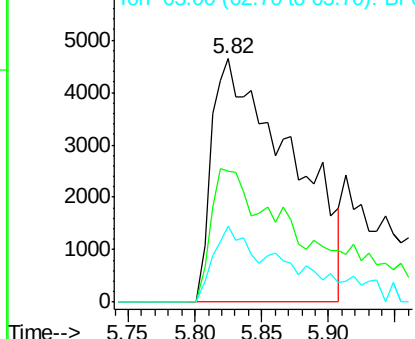
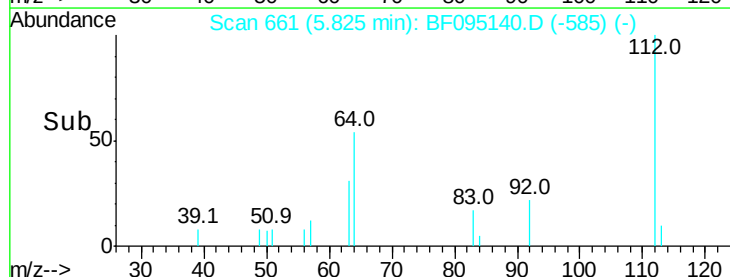
#5

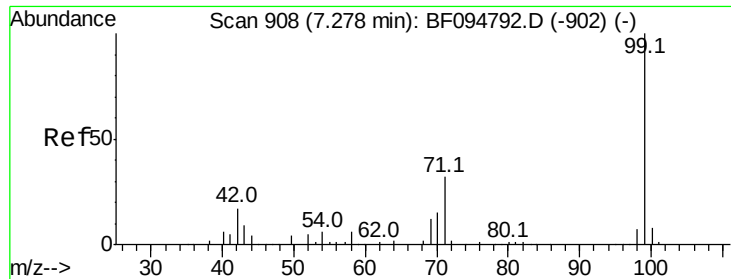
2-Fluorophenol
Concen: 4.24 ng
RT: 5.82 min Scan# 661
Delta R.T. 0.15 min
Lab File: BF095140.D
Acq: 15 May 2017 23:00

Tgt Ion:112 Resp: 19180
Ion Ratio Lower Upper
112 100
64 53.9 46.0 69.0
63 31.2 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: 3.50 ng

RT: 7.39 min Scan# 927

Delta R.T. 0.11 min

Lab File: BF095140.D

Acq: 15 May 2017 23:00

Instrument :

BNA_F

ClientSampleId :

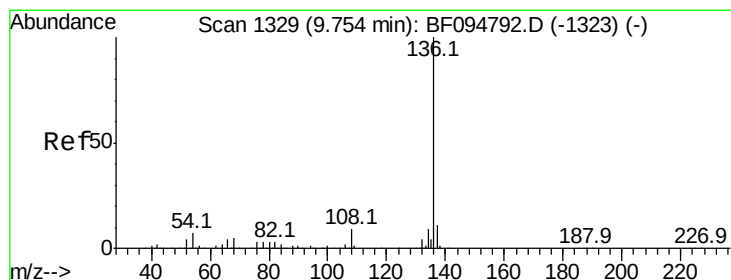
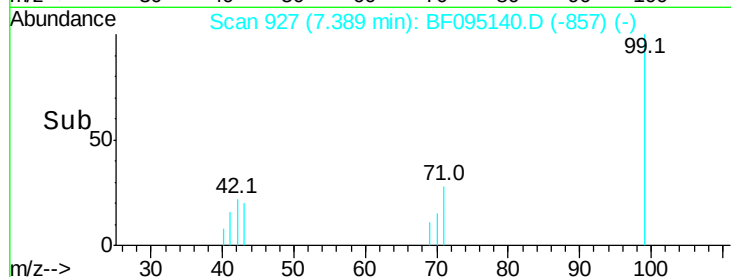
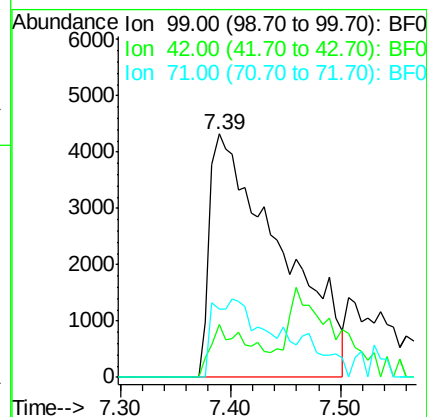
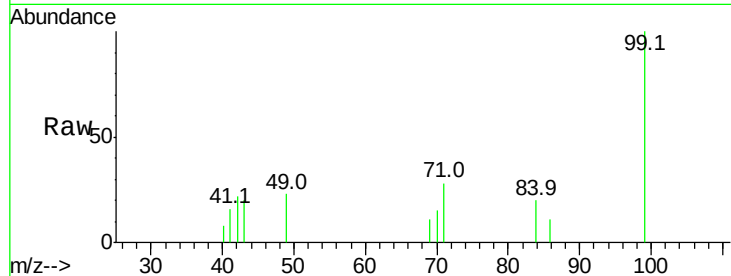
Tot Ion: 99 Resp: 18991

Ion Ratio Lower Upper

99 100

42 22.0 13.5 20.3#

71 28.0 24.5 36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095140.D

Acq: 15 May 2017 23:00

Tgt Ion: 136 Resp: 309699

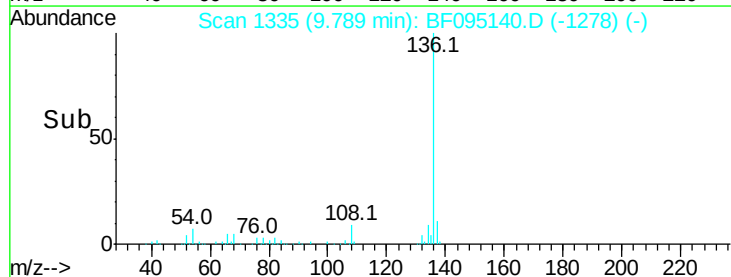
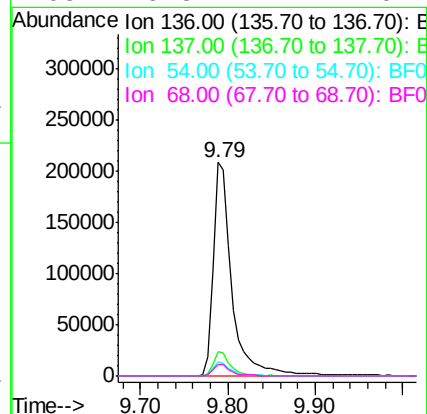
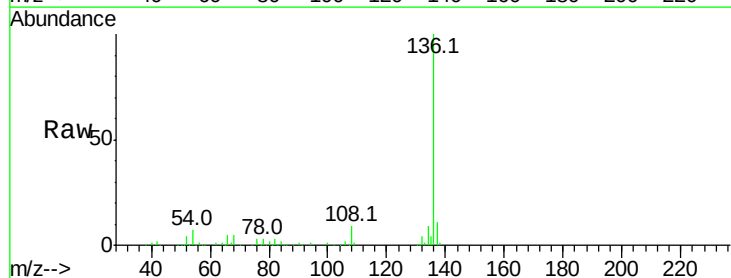
Ion Ratio Lower Upper

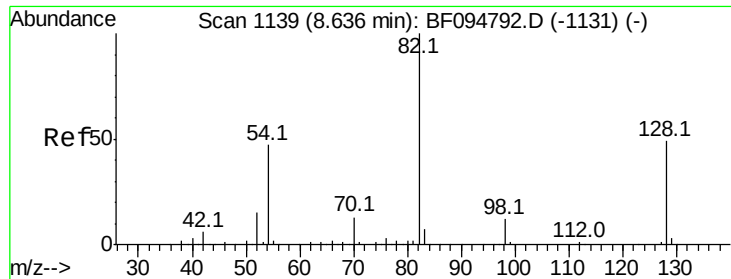
136 100

137 11.2 8.5 12.7

54 6.8 4.9 7.3

68 5.3 4.1 6.1

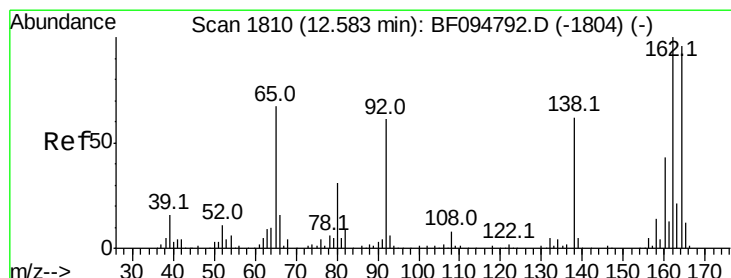
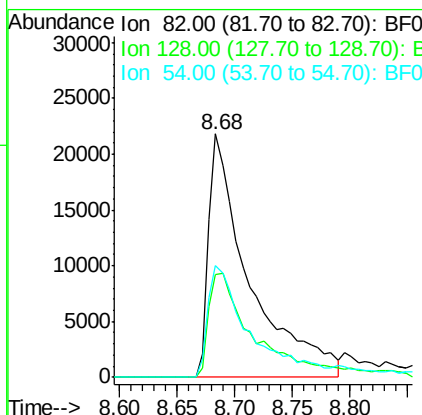
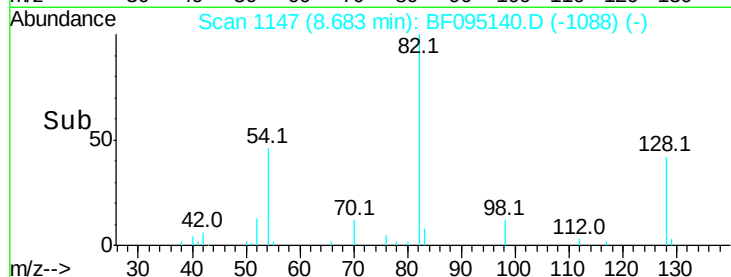
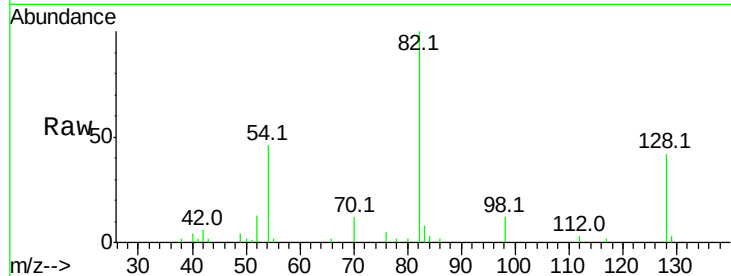




#23
 Nitrobenzene-d5
 Concen: 10.86 ng
 RT: 8.68 min Scan# 1147
 Delta R.T. 0.05 min
 Lab File: BF095140.D
 Acq: 15 May 2017 23:00

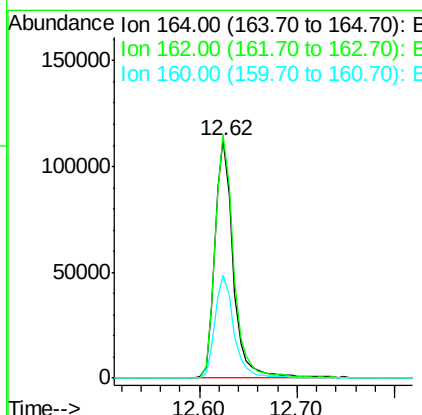
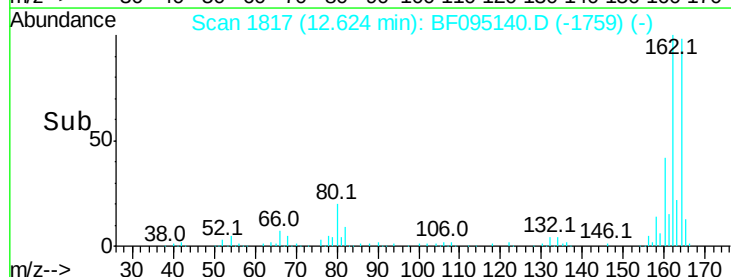
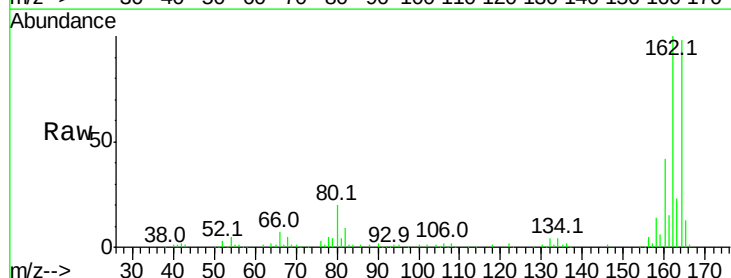
Instrument :
 BNA_F
 ClientSampled :

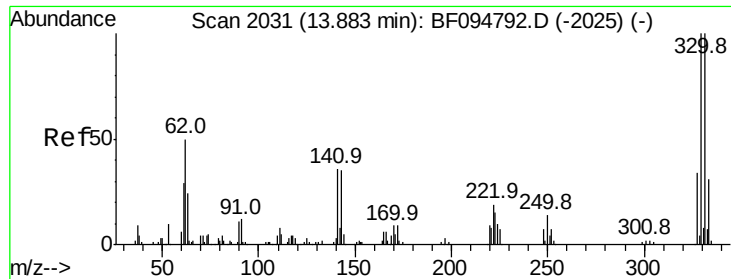
Tot Ion	82	Resp	53337
Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.0	51.0
54	45.9	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095140.D
 Acq: 15 May 2017 23:00

Tgt Ion	164	Resp	147239
Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.6	123.8
160	43.2	36.2	54.2

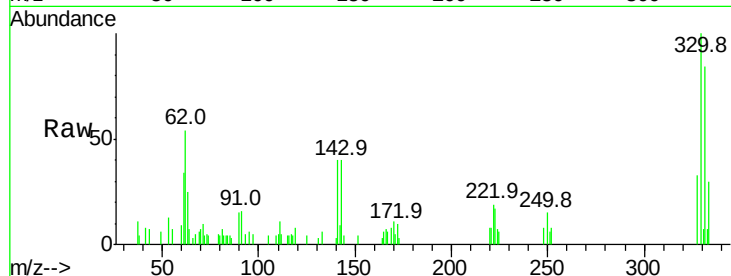




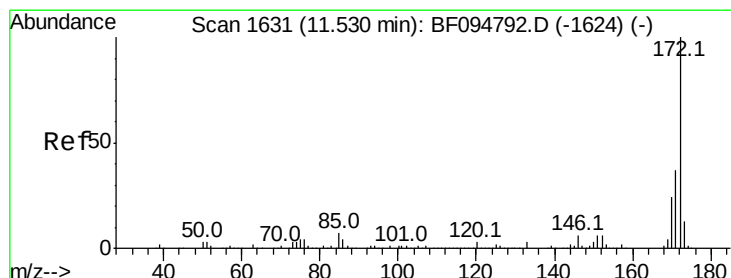
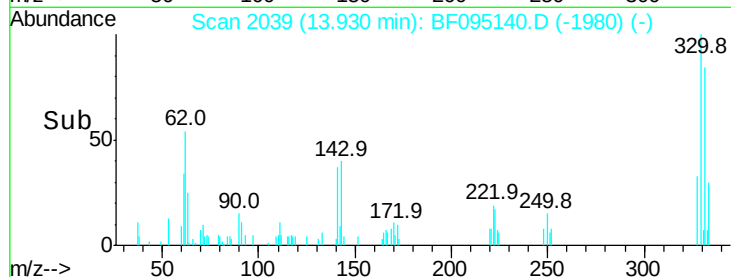
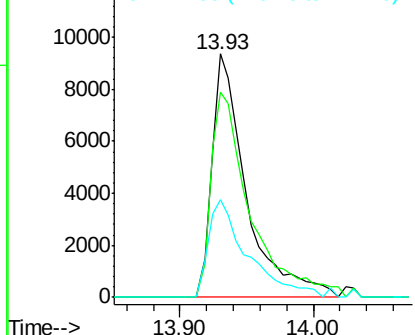
#41
 2,4,6-Tribromophenol
 Concen: 14.04 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.05 min
 Lab File: BF095140.D
 Acq: 15 May 2017 23:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 16927
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 115.0
 141 45.3 31.4 47.2

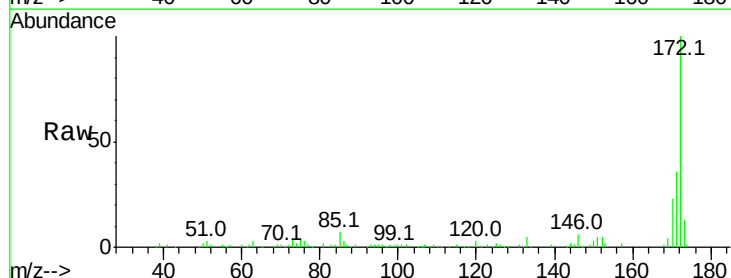


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

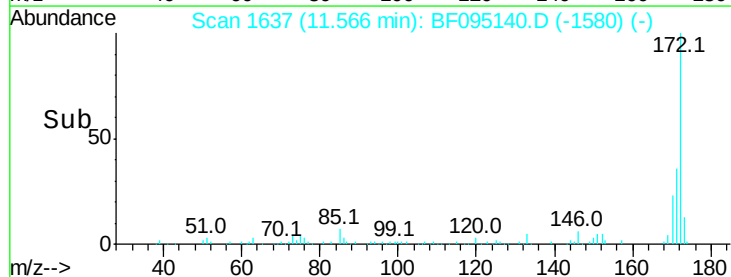
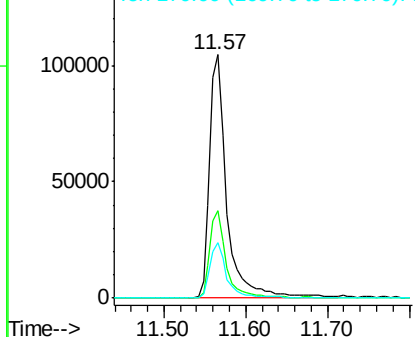


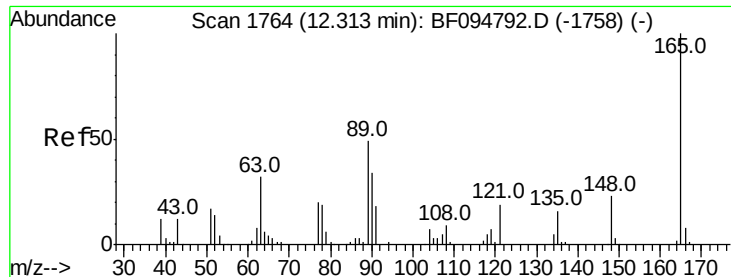
#44
 2-Fluorobiphenyl
 Concen: 15.05 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.04 min
 Lab File: BF095140.D
 Acq: 15 May 2017 23:00

Tgt Ion:172 Resp: 154003
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 22.8 19.8 29.8



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

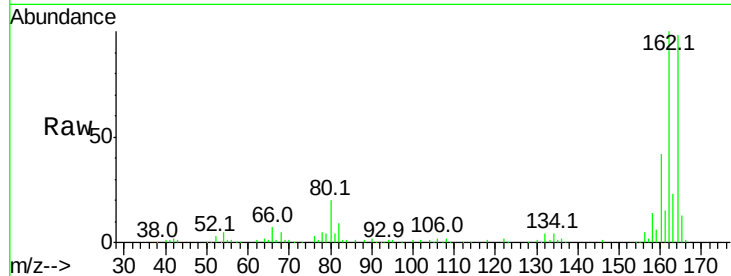




#50
 2,6-Dinitrotoluene
 Concen: 6.29 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.31 min
 Lab File: BF095140.D
 Acq: 15 May 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :

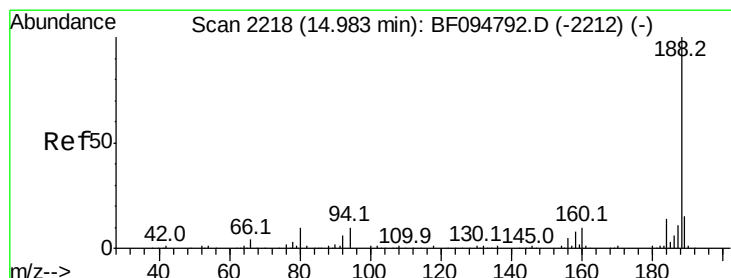
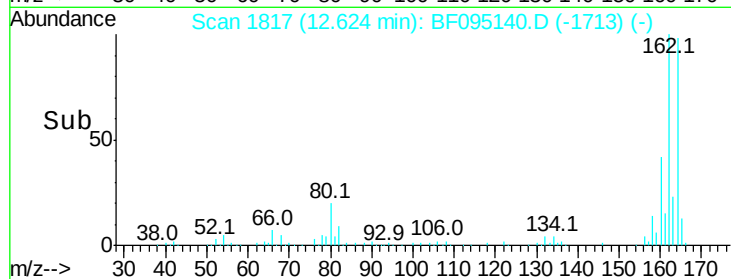
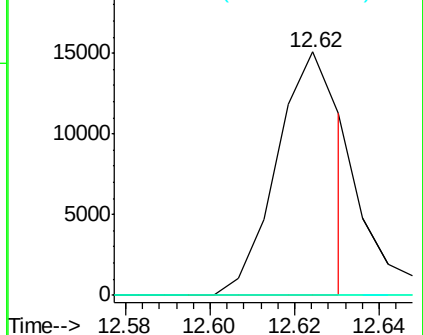
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

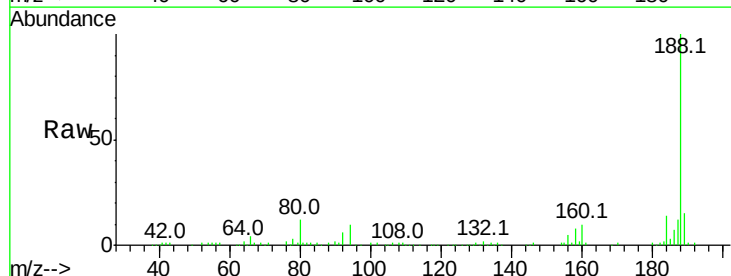
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095140.D
 Acq: 15 May 2017 23:00

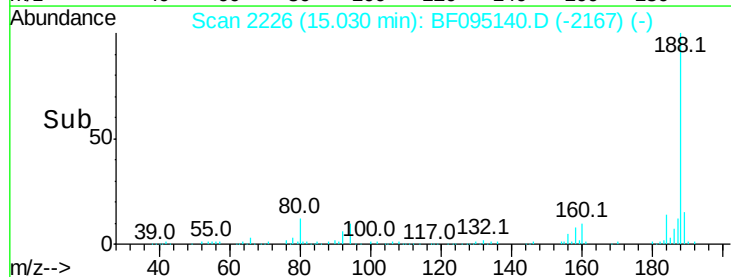
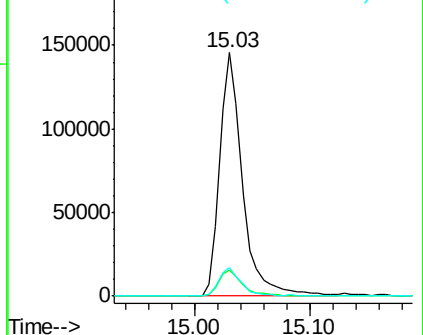
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	11.6	10.2	15.2

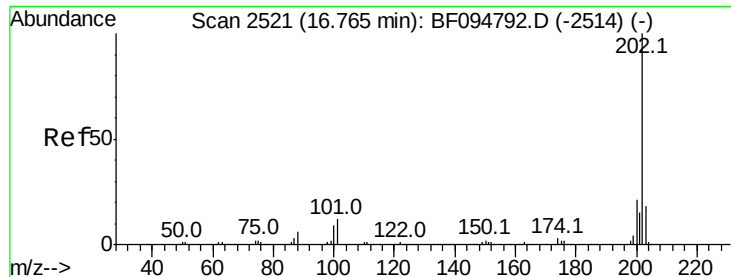


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 4.53 ng

RT: 16.81 min Scan# 2529

Delta R.T. 0.05 min

Lab File: BF095140.D

Acq: 15 May 2017 23:00

Instrument :

BNA_F

ClientSampleId :

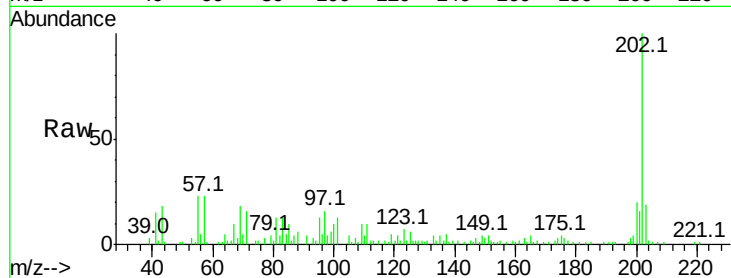
Tot Ion:202 Resp: 53390

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

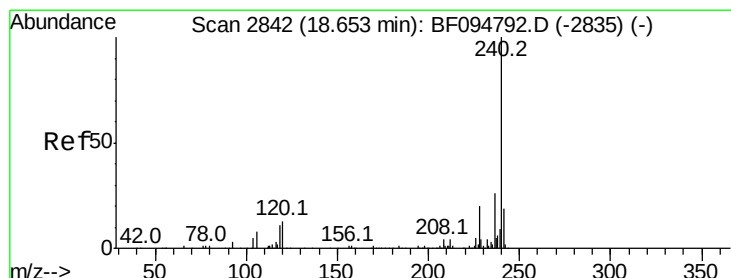
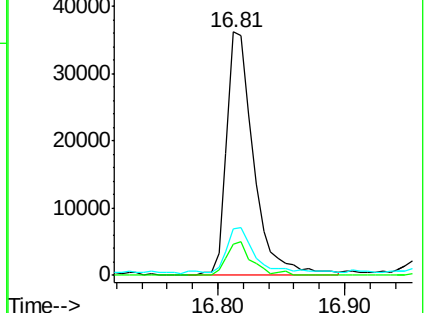
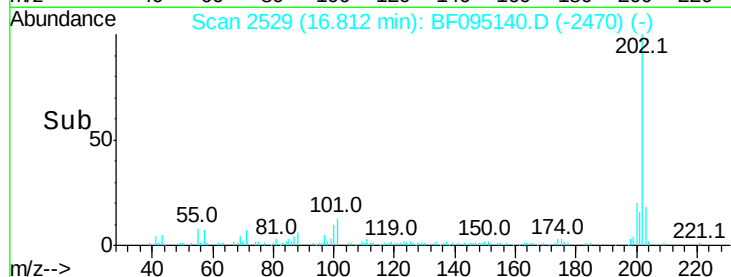
203 19.3 0.0 38.1



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: 18.71 min Scan# 2851

Delta R.T. 0.05 min

Lab File: BF095140.D

Acq: 15 May 2017 23:00

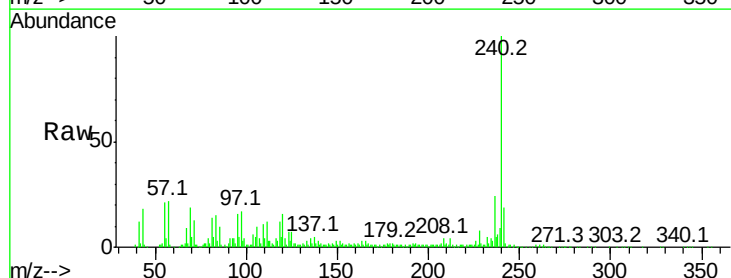
Tgt Ion:240 Resp: 174110

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

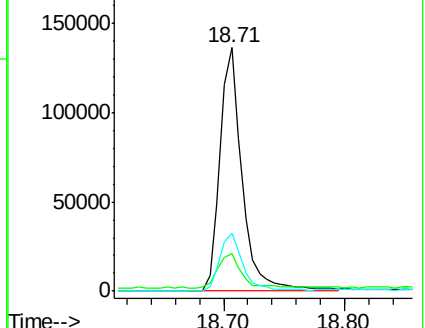
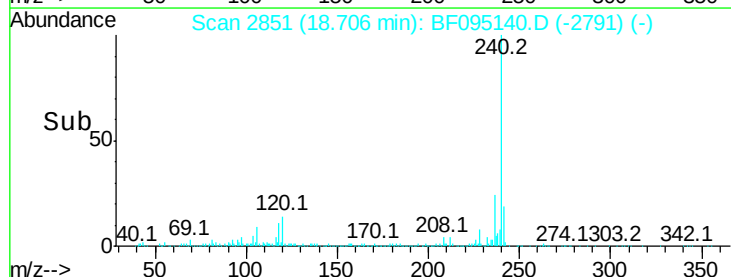
236 23.8 20.5 30.7

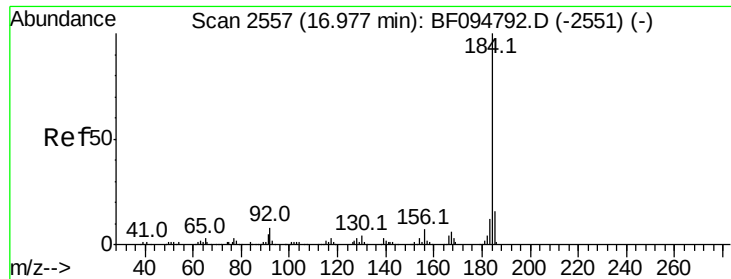


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.61 ng

RT: 17.10 min Scan# 2578

Delta R.T. 0.12 min

Lab File: BF095140.D

Acq: 15 May 2017 23:00

Instrument :

BNA_F

ClientSampled :

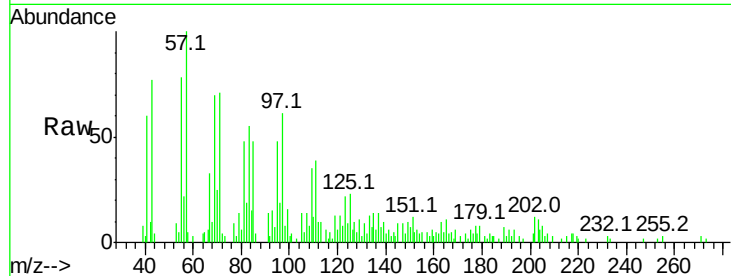
Tot Ion:184 Resp: 126

Ion Ratio Lower Upper

184 100

185 109.0 15.5 23.3#

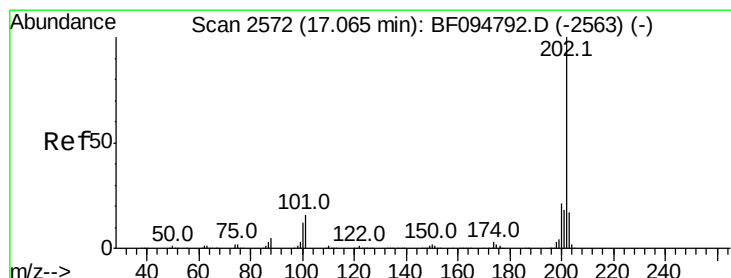
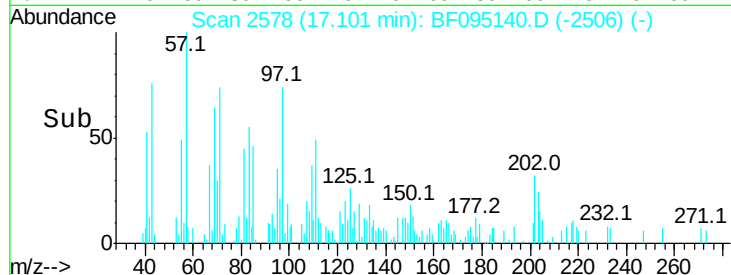
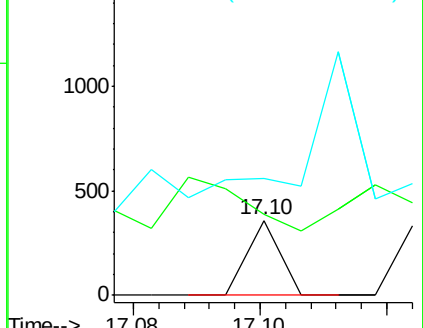
183 157.4 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 4.50 ng

RT: 17.12 min Scan# 2581

Delta R.T. 0.05 min

Lab File: BF095140.D

Acq: 15 May 2017 23:00

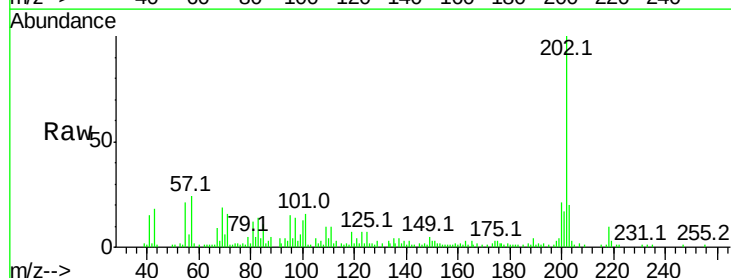
Tgt Ion:202 Resp: 58539

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

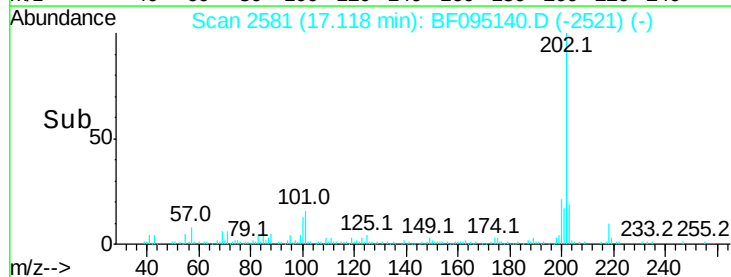
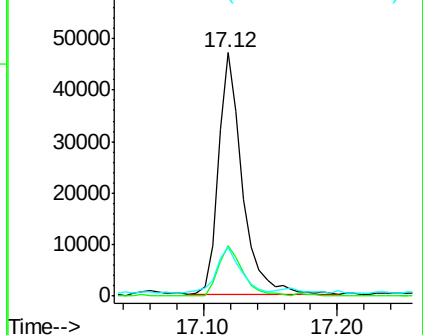
203 20.4 14.4 21.6

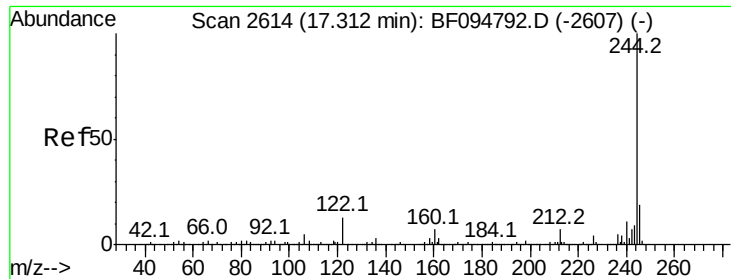


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.97 ng

RT: 17.35 min Scan# 2620

Delta R.T. 0.04 min

Lab File: BF095140.D

Acq: 15 May 2017 23:00

Instrument :

BNA_F

ClientSampleId :

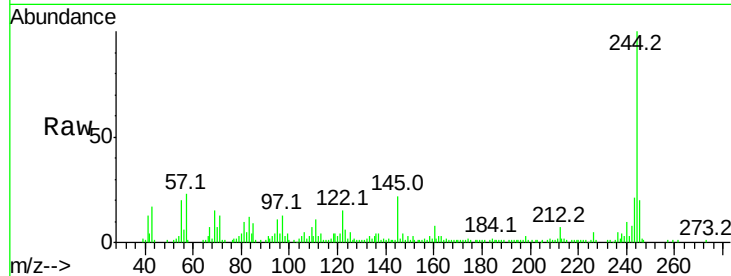
Tot Ion:244 Resp: 86701

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

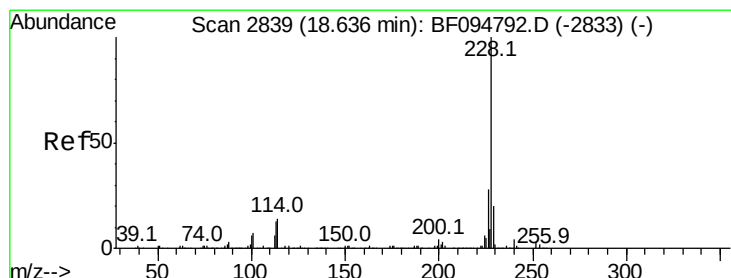
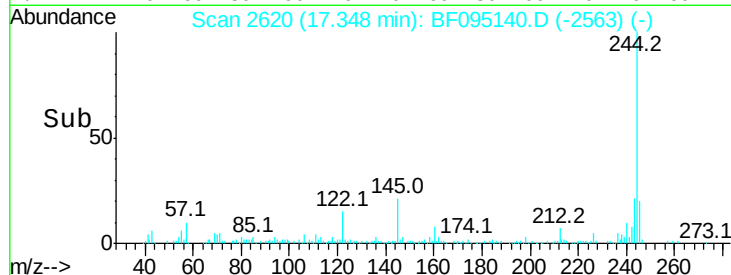
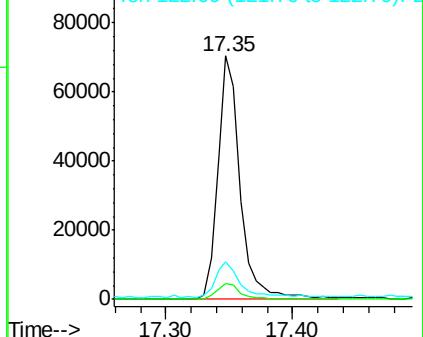
122 15.5 10.3 15.5#



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: 3.50 ng

RT: 18.69 min Scan# 2849

Delta R.T. 0.06 min

Lab File: BF095140.D

Acq: 15 May 2017 23:00

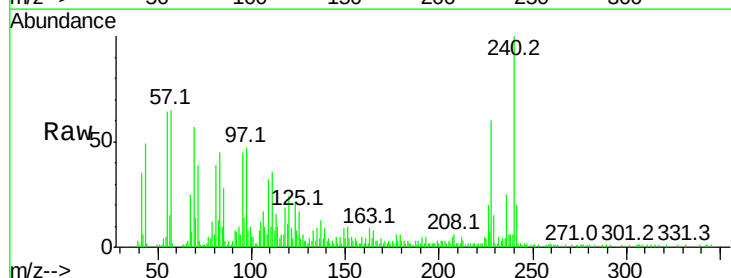
Tgt Ion:228 Resp: 35468

Ion Ratio Lower Upper

228 100

226 32.6 22.6 33.8

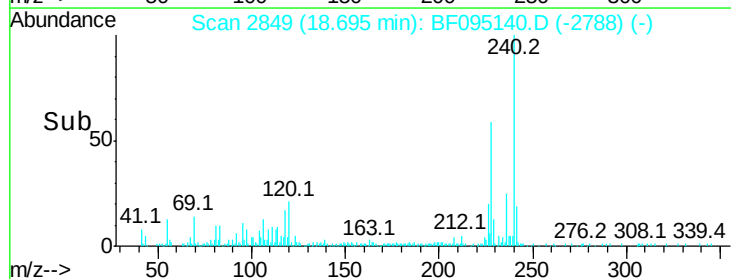
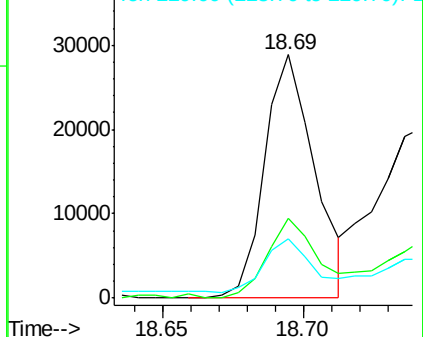
229 24.6 16.3 24.5#

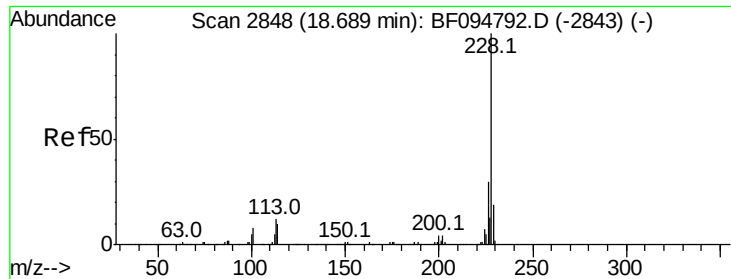


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.81 ng

RT: 18.74 min Scan# 2857

Delta R.T. 0.05 min

Lab File: BF095140.D

Acq: 15 May 2017 23:00

Instrument :

BNA_F

ClientSampled :

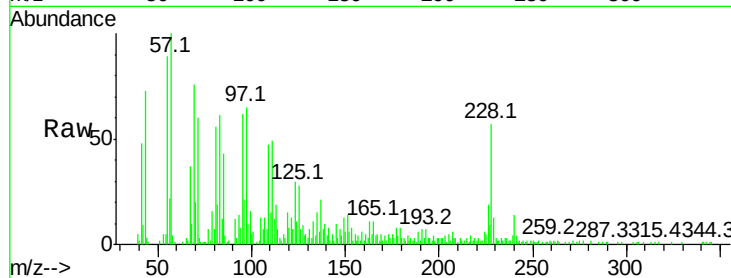
Tot Ion:228 Resp: 37351

Ion Ratio Lower Upper

228 100

226 33.9 24.9 37.3

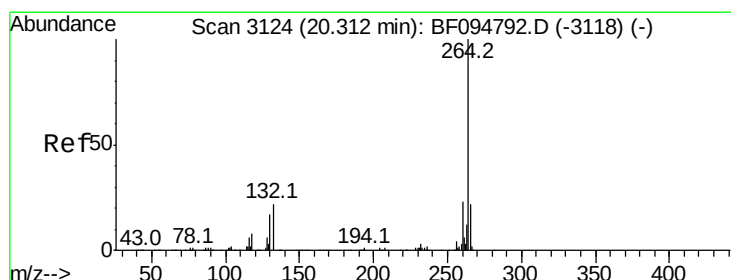
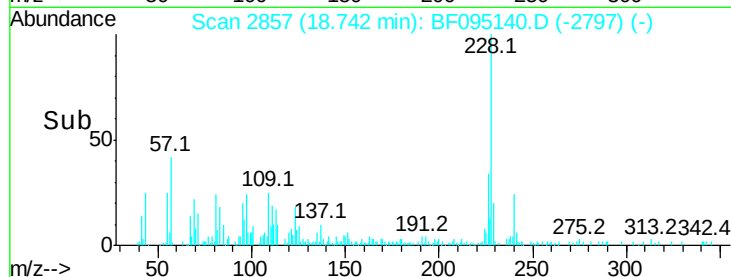
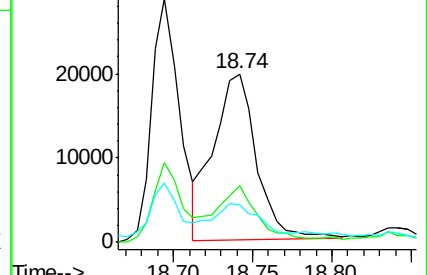
229 22.6 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.39 min Scan# 3137

Delta R.T. 0.08 min

Lab File: BF095140.D

Acq: 15 May 2017 23:00

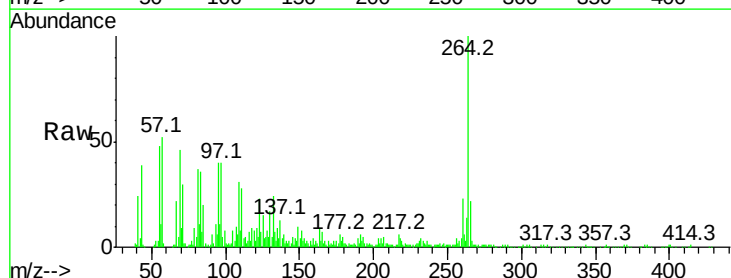
Tgt Ion:264 Resp: 156066

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

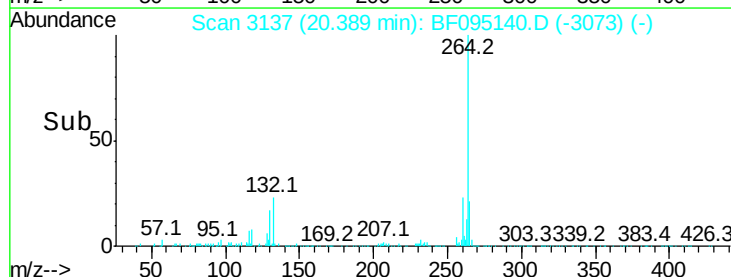
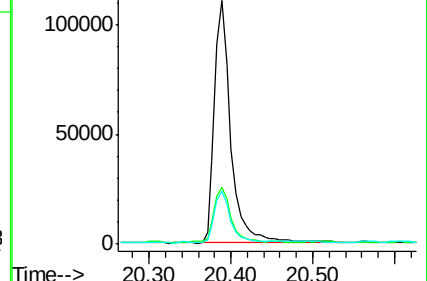
265 21.7 17.2 25.8

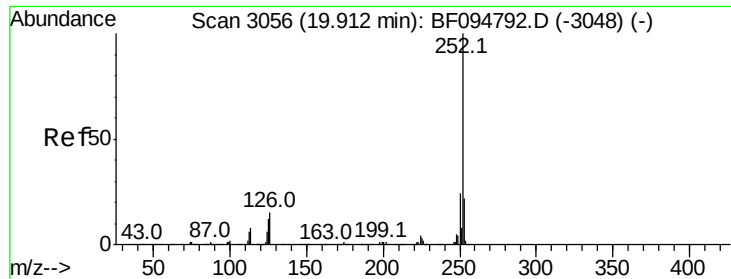


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

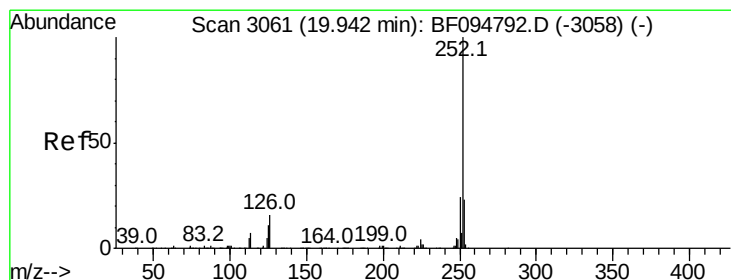
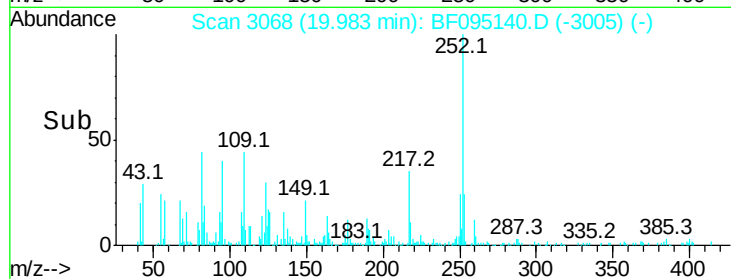
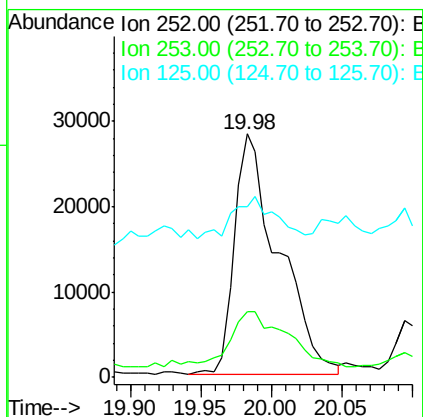
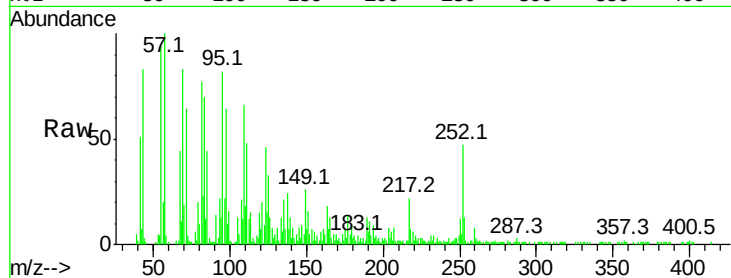




#87
Benzo(b)fluoranthene
Concen: 6.32 ng
RT: 19.98 min Scan# 3068
Delta R.T. 0.07 min
Lab File: BF095140.D
Acq: 15 May 2017 23:00

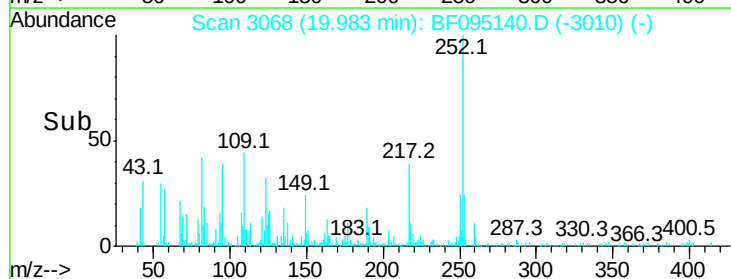
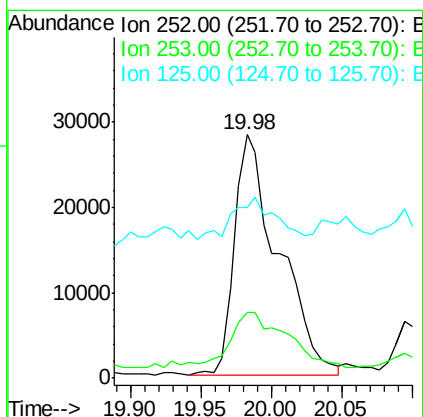
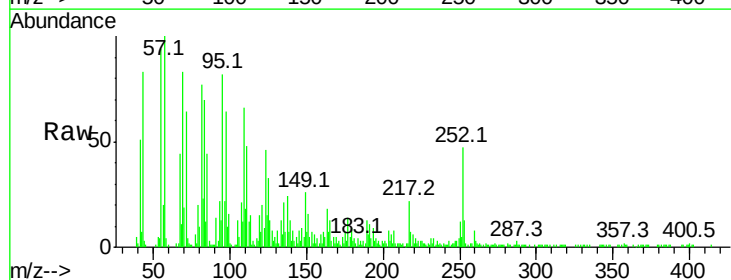
Instrument :
BNA_F
ClientSampleId :

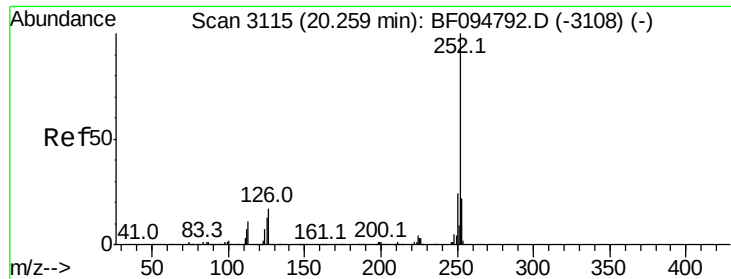
Tot Ion:252 Resp: 60979
Ion Ratio Lower Upper
252 100
253 27.1 18.1 27.1#
125 69.9 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 6.56 ng
RT: 19.98 min Scan# 3068
Delta R.T. 0.04 min
Lab File: BF095140.D
Acq: 15 May 2017 23:00

Tgt Ion:252 Resp: 60979
Ion Ratio Lower Upper
252 100
253 27.1 18.4 27.6
125 69.9 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 2.96 ng

RT: 20.34 min Scan# 3128

Delta R.T. 0.08 min

Lab File: BF095140.D

Acq: 15 May 2017 23:00

Instrument :

BNA_F

ClientSampleId :

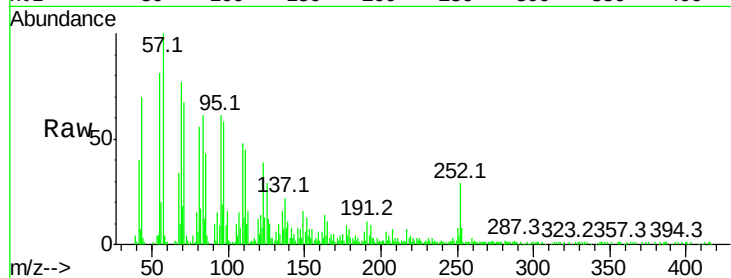
Tot Ion:252 Resp: 26379

Ion Ratio Lower Upper

252 100

253 26.4 17.5 26.3#

125 99.8 11.0 16.4#



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

