

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095518.D
 Acq On : 28 May 2017 2:38
 Operator : SJ/MA
 Sample : I3244-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 29 01:19:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

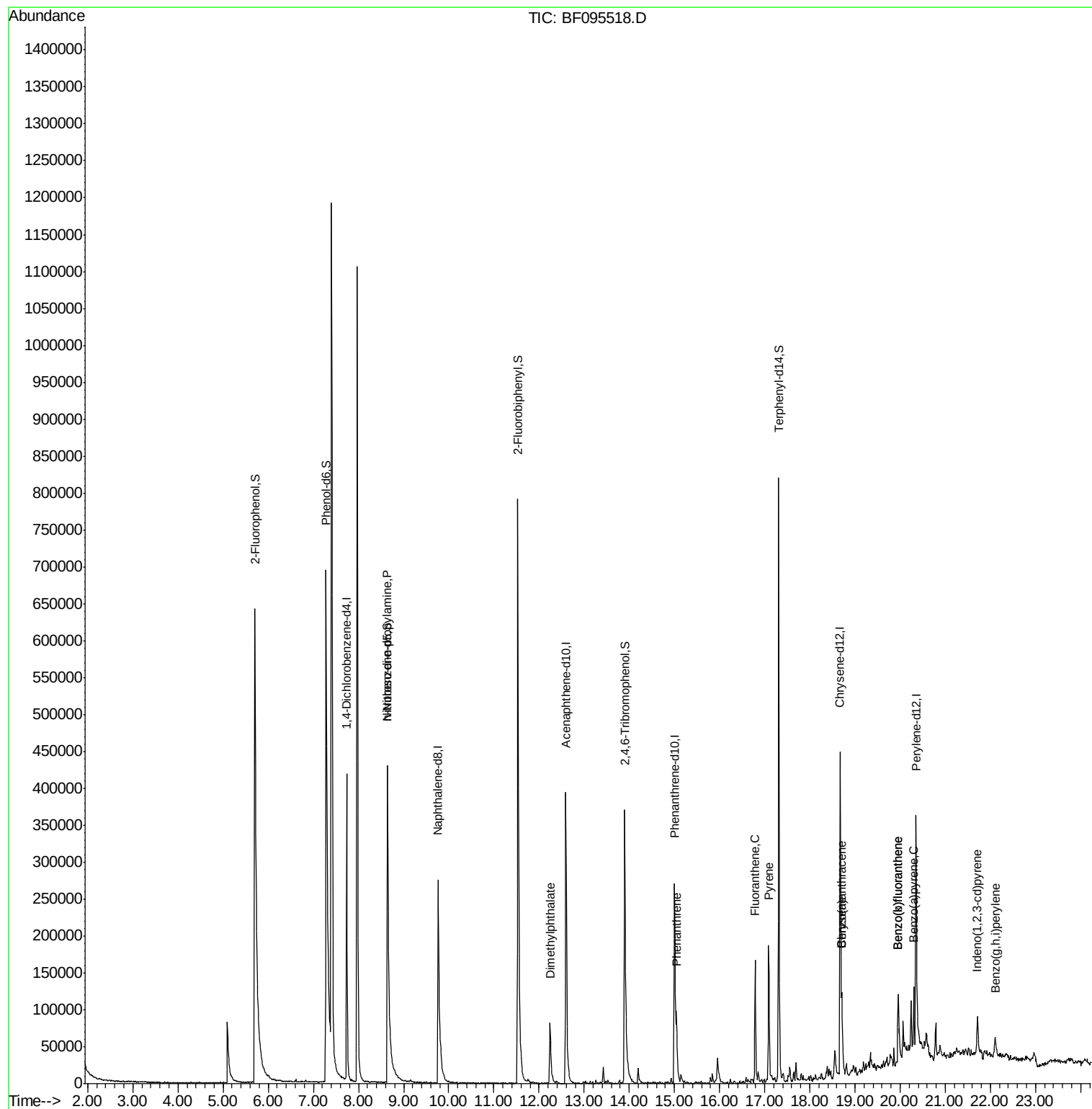
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	96114	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	372014	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	149199	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	216007	20.00	ng	0.00
75) Chrysene-d12	18.67	240	205269	20.00	ng	0.00
86) Perylene-d12	20.35	264	167072	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	615600	106.78	ng	0.00
7) Phenol-d6	7.28	99	724197	104.70	ng	-0.01
23) Nitrobenzene-d5	8.64	82	396974	67.29	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	101023	82.68	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	585908	56.52	ng	0.00
78) Terphenyl-d14	17.31	244	342549	36.76	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.64	70	43327	9.26	ng	# 74
49) Dimethylphthalate	12.24	163	85285	6.96	ng	# 99
70) Phenanthrene	15.05	178	60294	4.86	ng	94
74) Fluoranthene	16.79	202	108555	8.53	ng	99
77) Pyrene	17.09	202	102186	6.66	ng	# 94
80) Benzo(a)anthracene	18.71	228	53336	4.46	ng	94
82) Chrysene	18.71	228	53336	4.62	ng	97
85) Indeno(1,2,3-cd)pyrene	21.71	276	20212	2.15	ng	95
87) Benzo(b)fluoranthene	19.95	252	72021	6.98	ng	# 93
88) Benzo(k)fluoranthene	19.95	252	72021	7.23	ng	94
89) Benzo(a)pyrene	20.30	252	39081	4.10	ng	# 92
91) Benzo(a,h,i)perylene	22.11	276	19958	2.59	ng	# 90

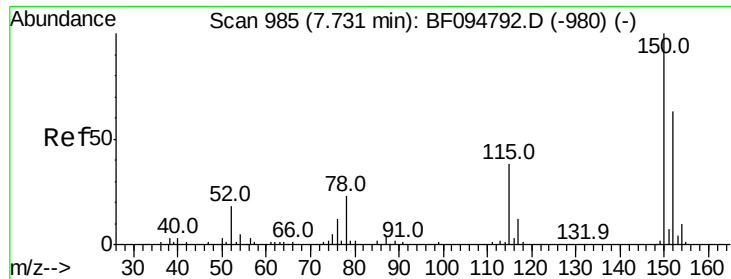
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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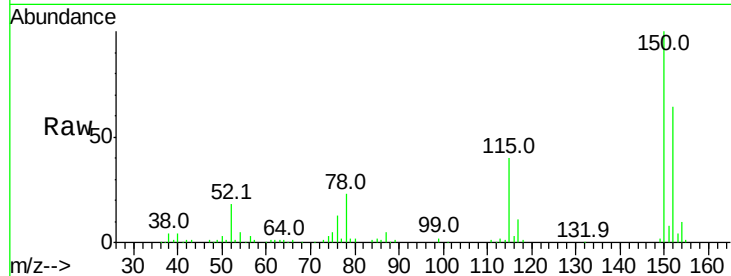


#1

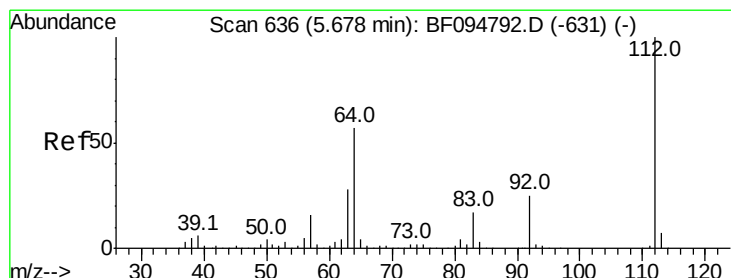
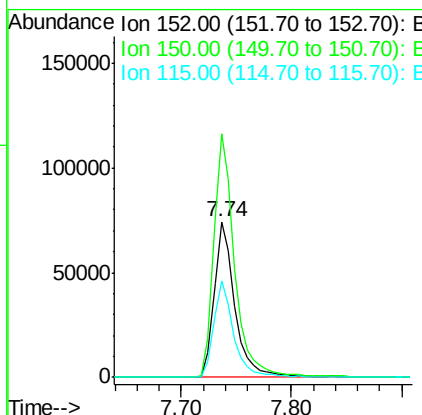
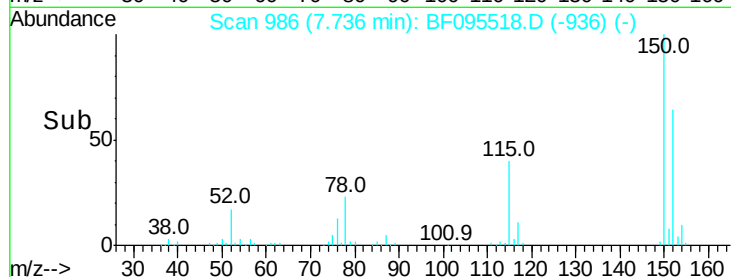
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96114
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 62.3 52.2 78.2



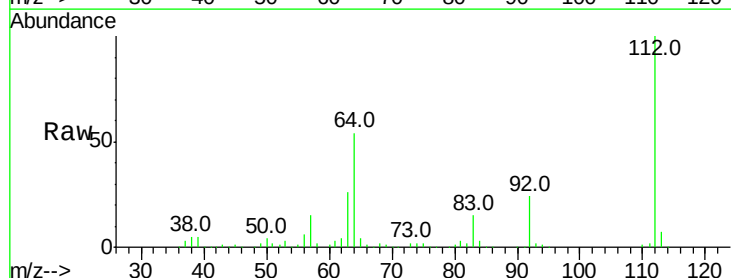
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



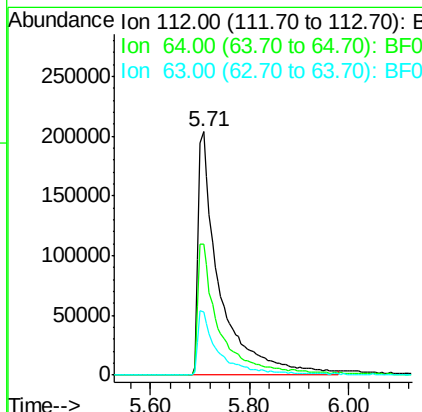
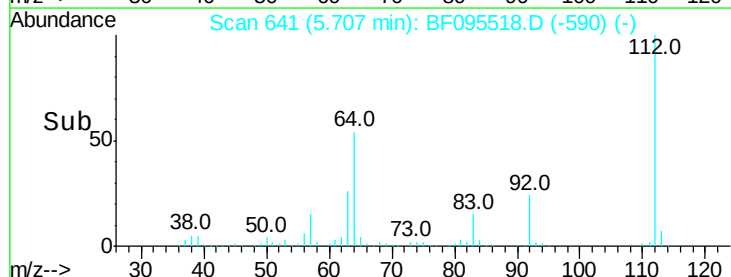
#5

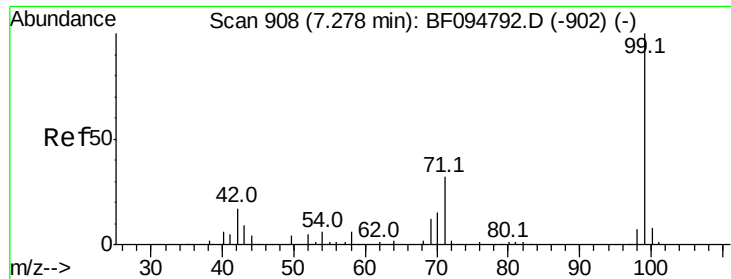
2-Fluorophenol
Concen: 106.78 ng
RT: 5.71 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

Tgt Ion:112 Resp: 615600
Ion Ratio Lower Upper
112 100
64 53.9 46.0 69.0
63 25.7 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: 104.70 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095518.D

Acq: 28 May 2017 2:38

Instrument :

BNA_F

ClientSampled :

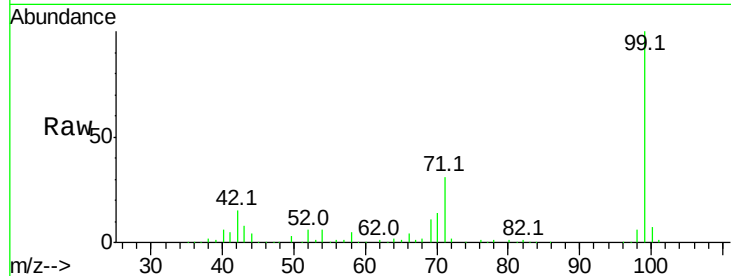
Tot Ion: 99 Resp: 724197

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

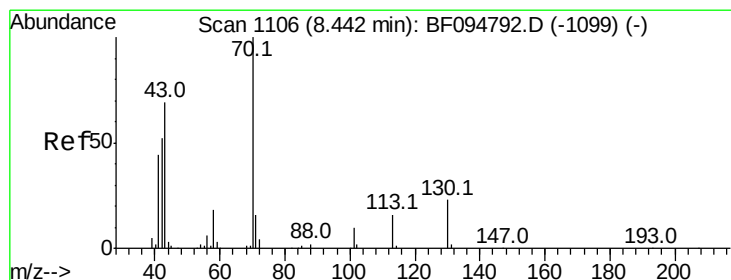
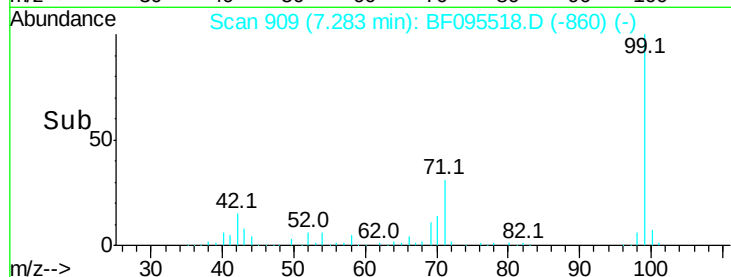
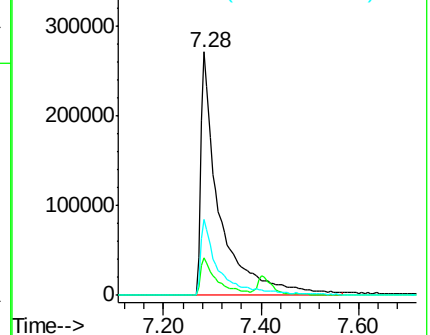
71 31.0 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.26 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095518.D

Acq: 28 May 2017 2:38

Tgt Ion: 70 Resp: 43327

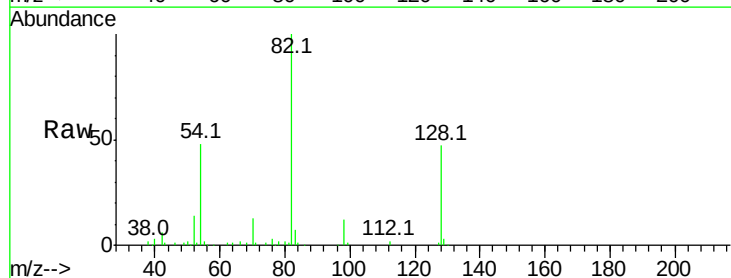
Ion Ratio Lower Upper

70 100

42 43.1 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

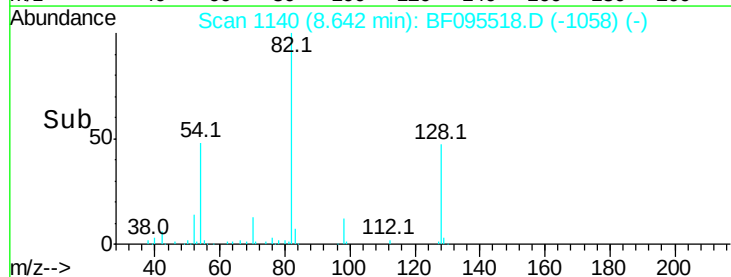
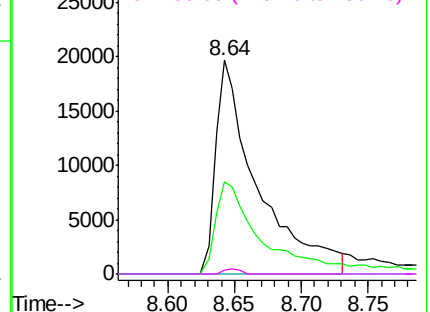


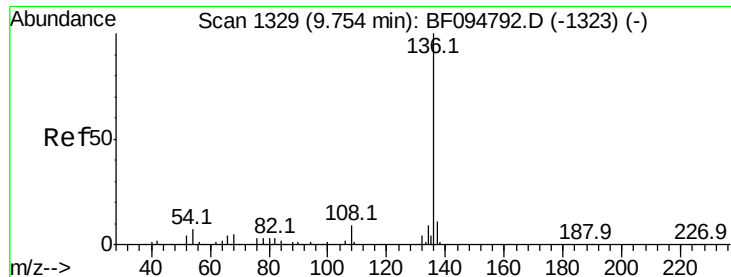
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

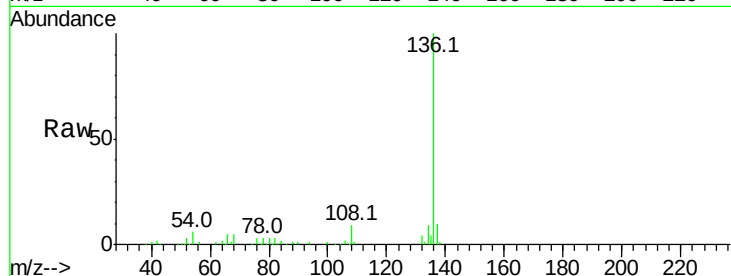




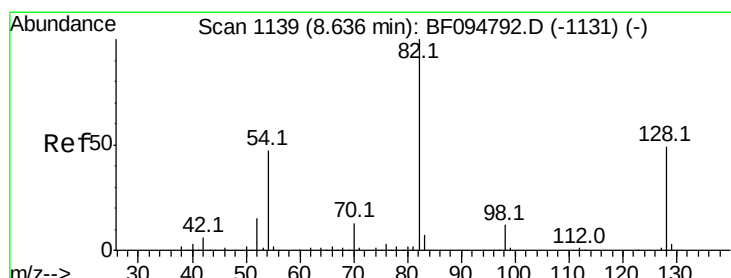
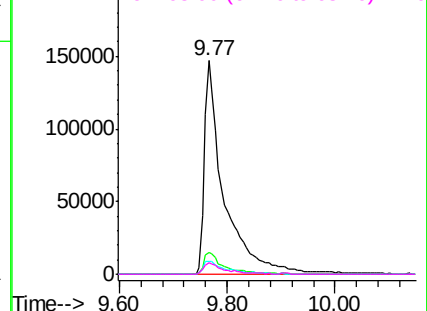
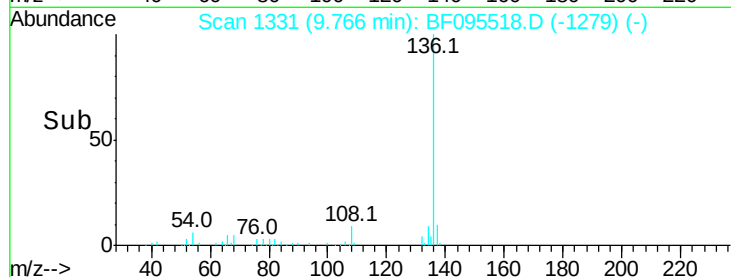
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	372014
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.5 12.7
54	6.2	4.9 7.3
68	5.4	4.1 6.1

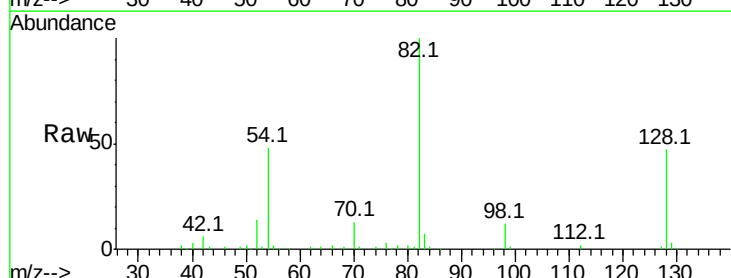


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

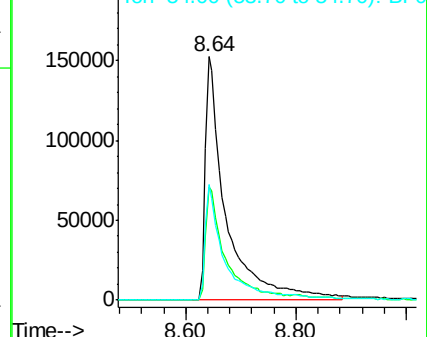
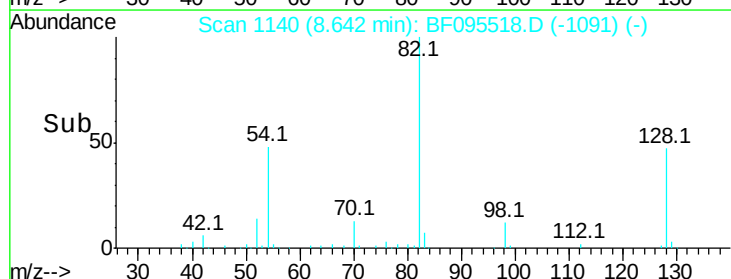


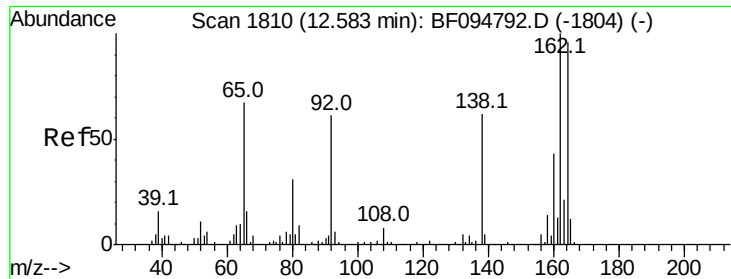
#23
Nitrobenzene-d5
Concen: 67.29 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

Tgt Ion: 82	Resp:	396974
Ion	Ratio	Lower Upper
82	100	
128	46.7	34.0 51.0
54	47.7	42.2 63.2



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

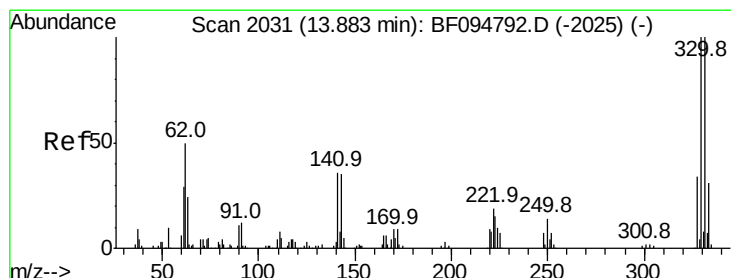
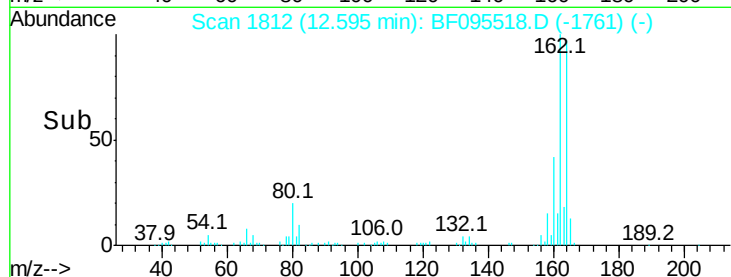
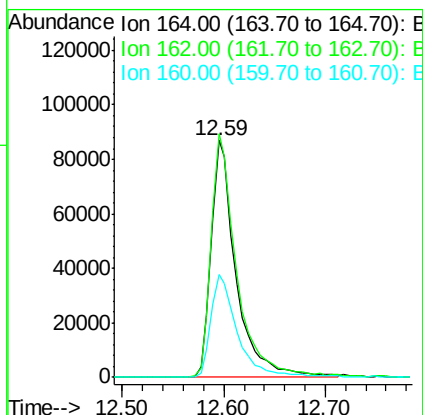
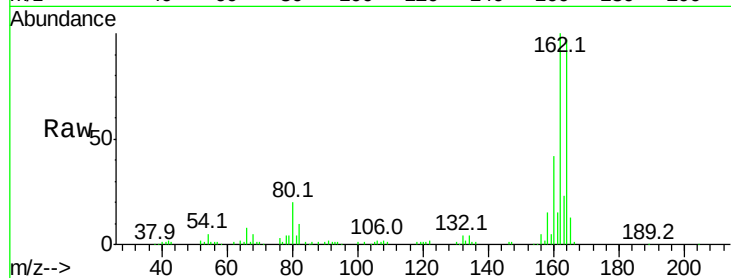




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

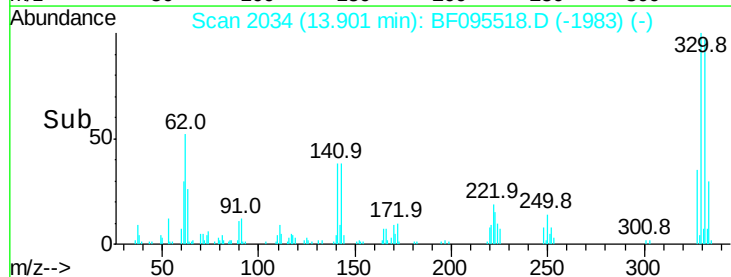
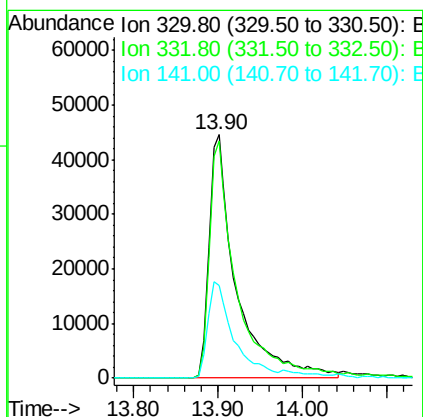
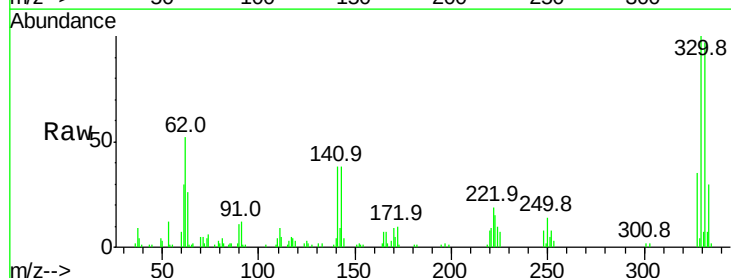
Instrument :
BNA_F
ClientSampleId :

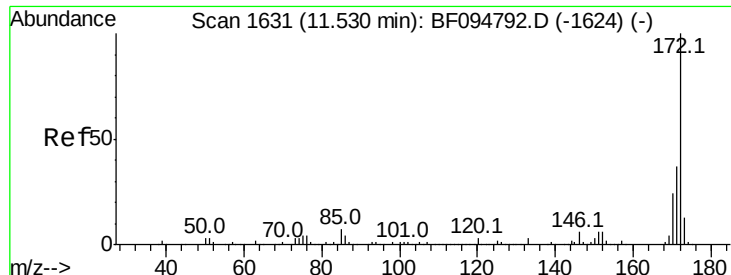
Tot Ion:164 Resp: 149199
Ion Ratio Lower Upper
164 100
162 102.7 82.6 123.8
160 43.3 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 82.68 ng
RT: 13.90 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

Tgt Ion:330 Resp: 101023
Ion Ratio Lower Upper
330 100
332 94.1 76.6 115.0
141 37.4 31.4 47.2

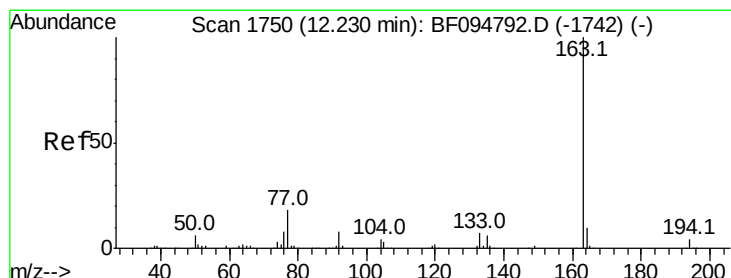
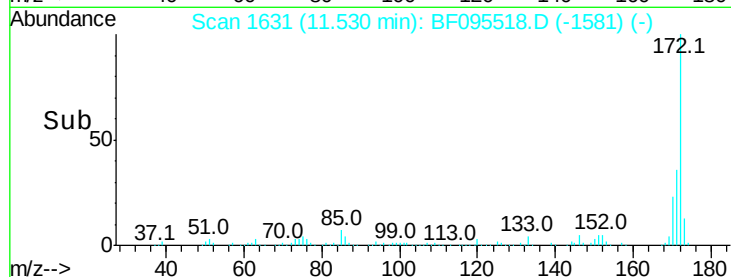
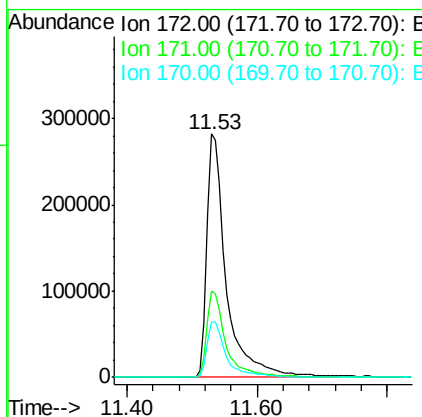
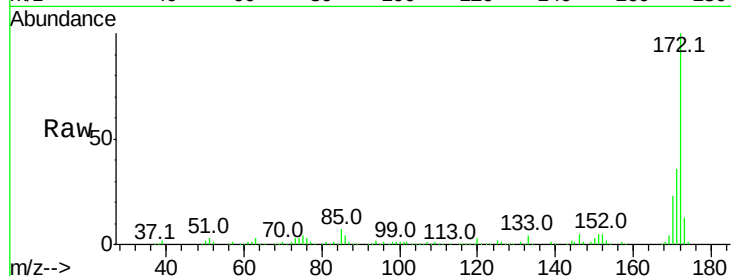




#44
 2-Fluorobiphenyl
 Concen: 56.52 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095518.D
 Acq: 28 May 2017 2:38

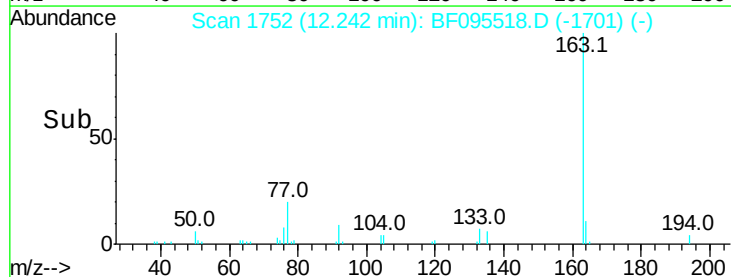
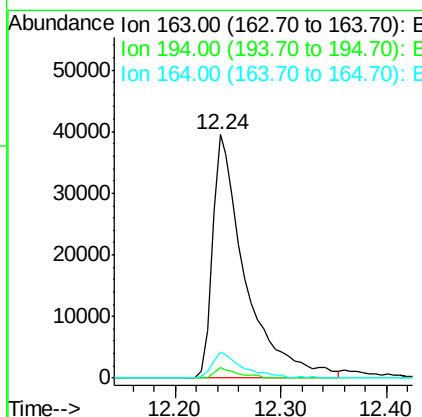
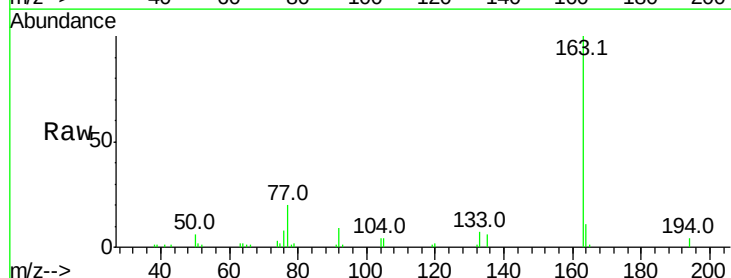
Instrument :
 BNA_F
 ClientSampleId :

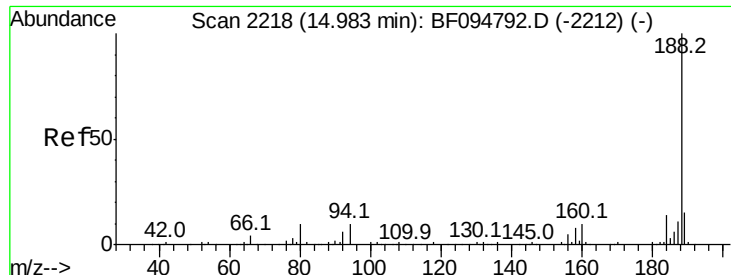
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.0	19.8	29.8



#49
 Dimethylphthalate
 Concen: 6.96 ng
 RT: 12.24 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: BF095518.D
 Acq: 28 May 2017 2:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.6	4.0#
164	10.8	8.4	12.6

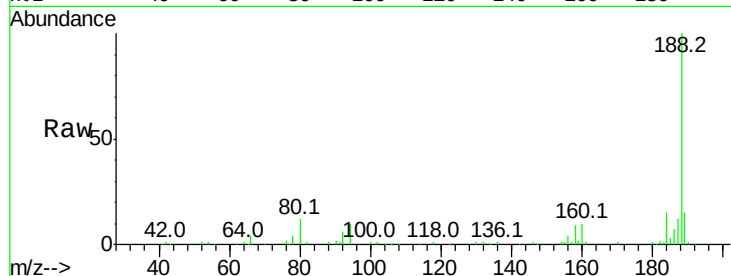




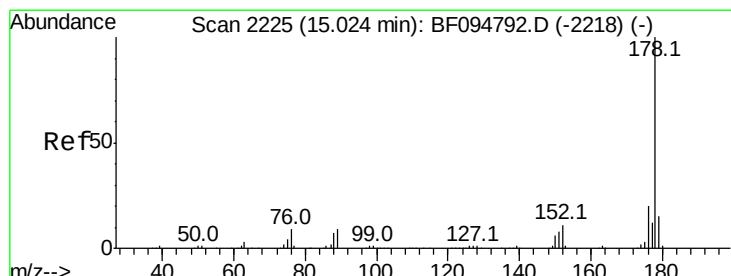
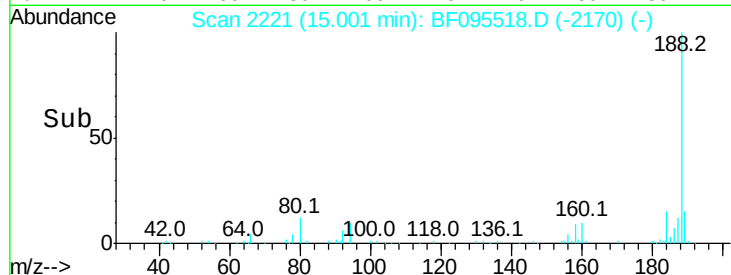
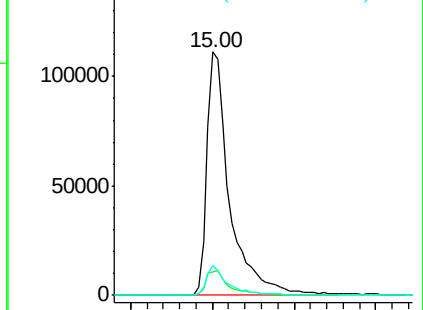
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.00 min
 Lab File: BF095518.D
 Acq: 28 May 2017 2:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	12.5	10.2	15.2

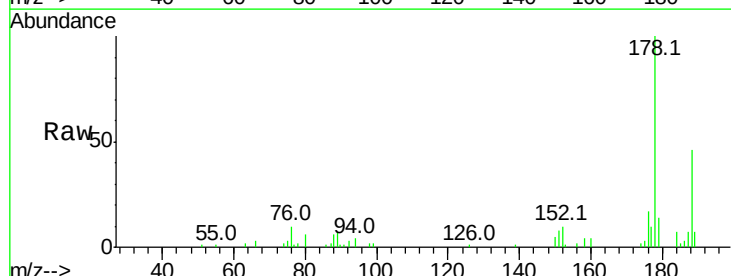


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

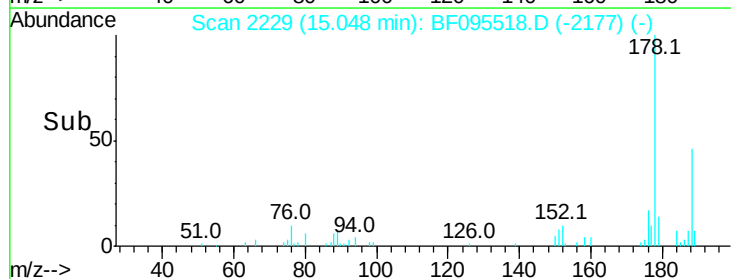
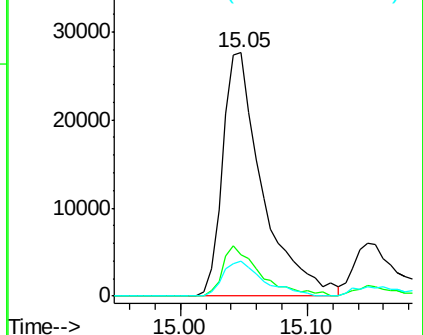


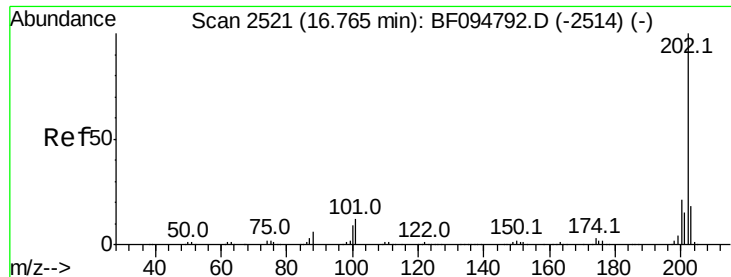
#70
 Phenanthrene
 Concen: 4.86 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. 0.01 min
 Lab File: BF095518.D
 Acq: 28 May 2017 2:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.8	16.2	24.4
179	14.3	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

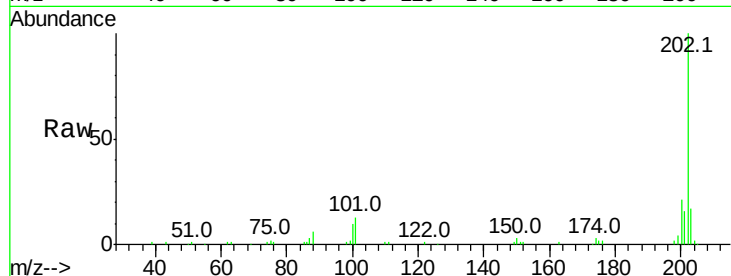




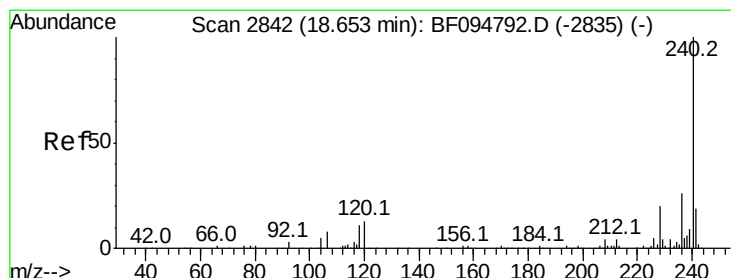
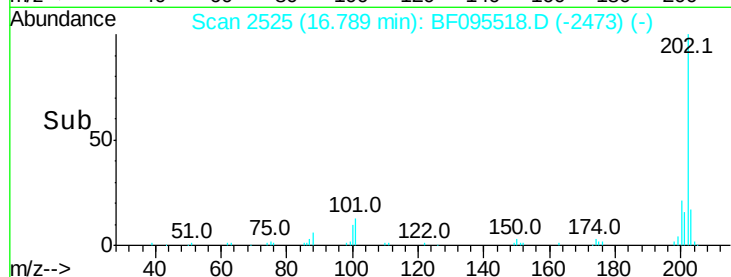
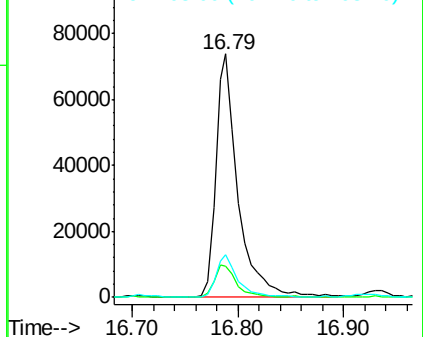
#74
 Fluoranthene
 Concen: 8.53 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. 0.01 min
 Lab File: BF095518.D
 Acq: 28 May 2017 2:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
202	100	108555		
101	12.8		0.0	33.2
203	17.3		0.0	38.1

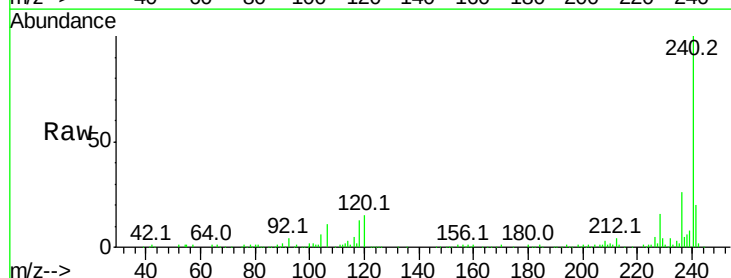


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

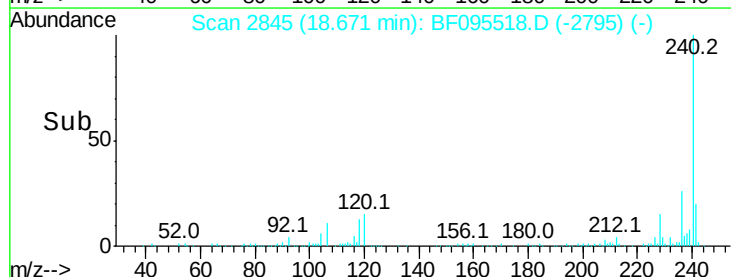
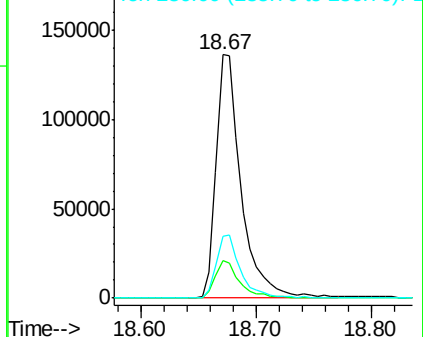


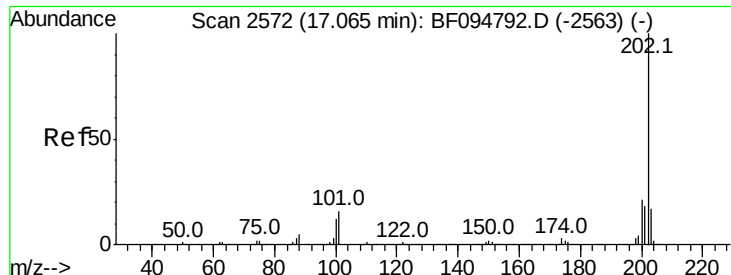
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095518.D
 Acq: 28 May 2017 2:38

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	205269		
120	15.3		5.8	8.8#
236	25.7		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

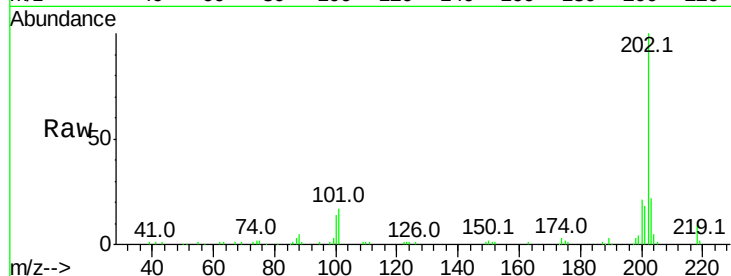




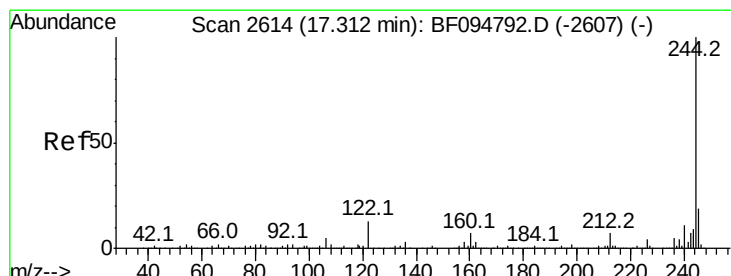
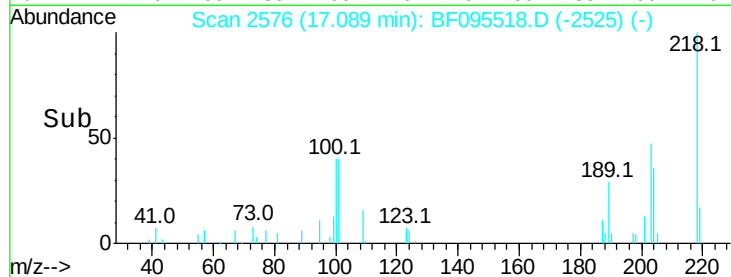
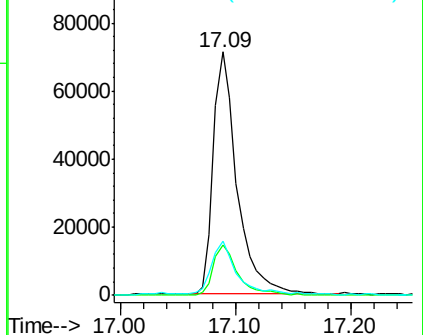
#77
Pvrene
Concen: 6.66 ng
RT: 17.09 min Scan# 2576
Delta R.T. -0.00 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	22.0	14.4	21.6

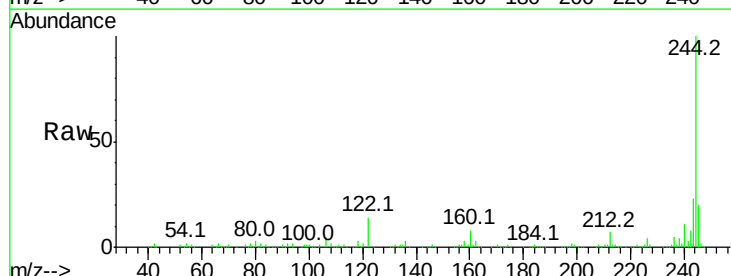


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

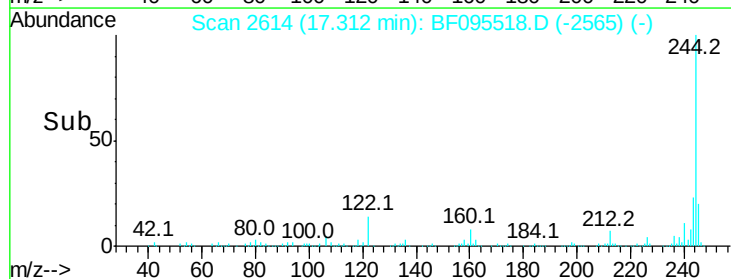
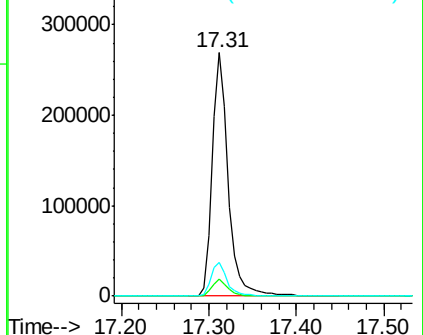


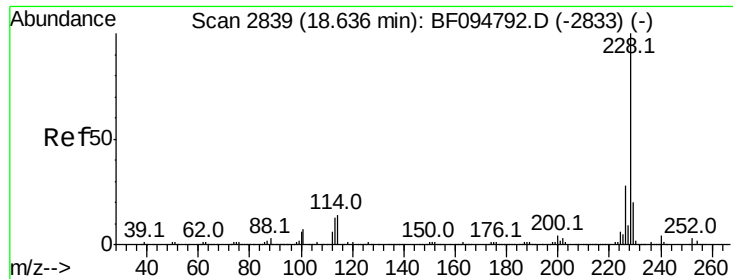
#78
Terphenyl-d14
Concen: 36.76 ng
RT: 17.31 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.6	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: 4.46 ng

RT: 18.71 min Scan# 2852

Delta R.T. 0.05 min

Lab File: BF095518.D

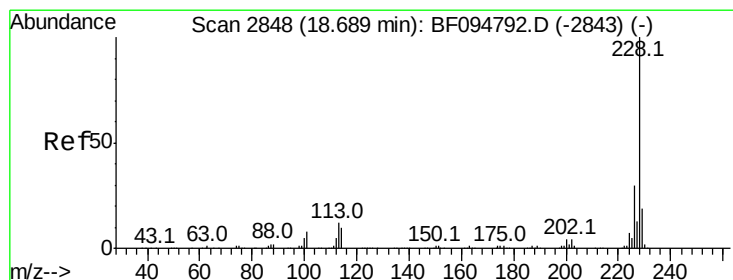
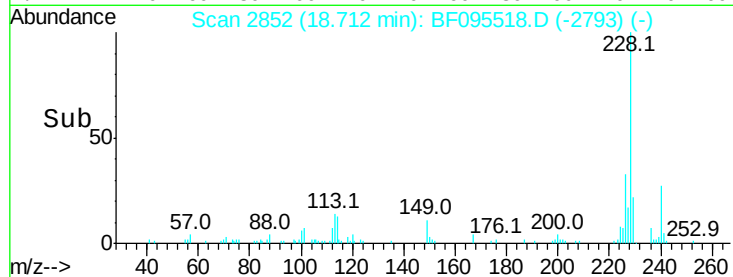
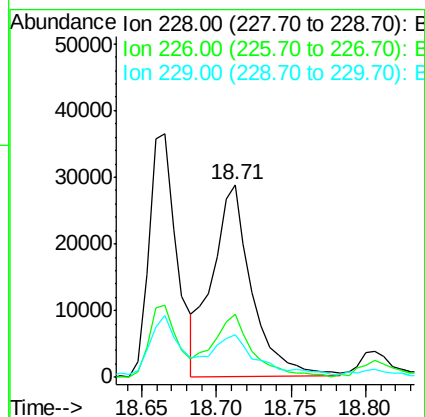
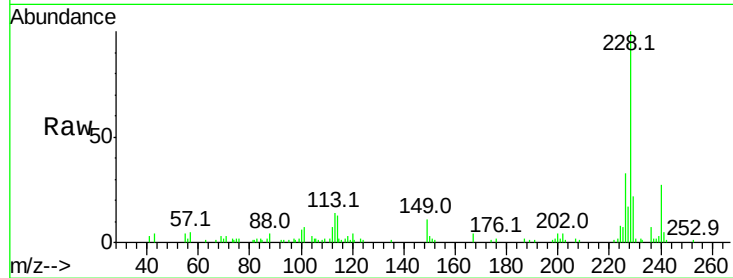
Acq: 28 May 2017 2:38

Instrument :

BNA_F

ClientSampled :

Tot Ion:228	Resp:	53336
Ion Ratio	Lower	Upper
228	100	
226	32.6	22.6 33.8
229	21.8	16.3 24.5



#82

Chrysene

Concen: 4.62 ng

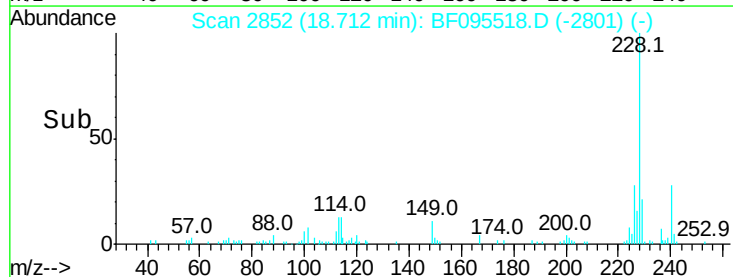
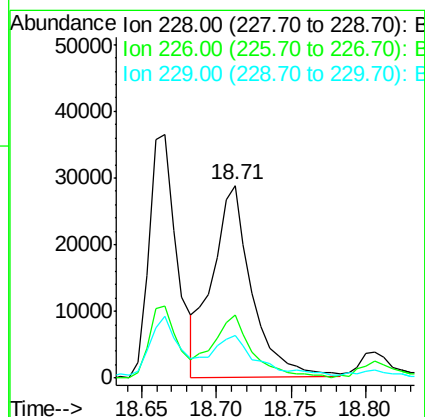
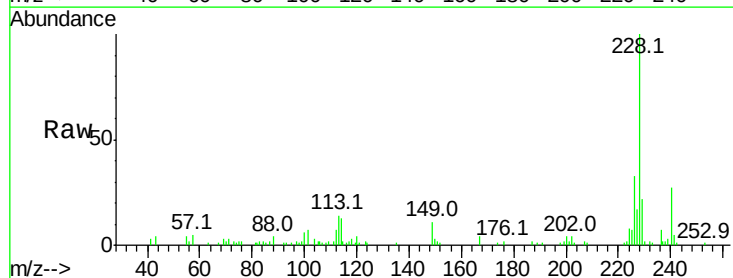
RT: 18.71 min Scan# 2852

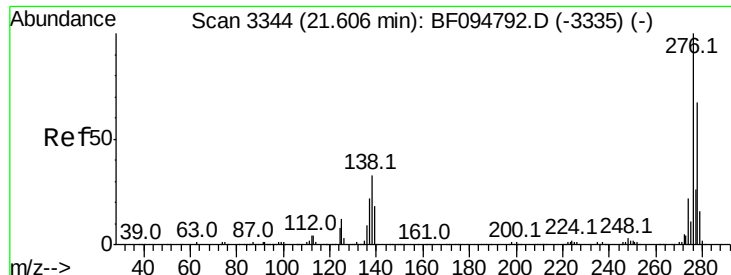
Delta R.T. -0.00 min

Lab File: BF095518.D

Acq: 28 May 2017 2:38

Tgt Ion:228	Resp:	53336
Ion Ratio	Lower	Upper
228	100	
226	32.6	24.9 37.3
229	21.8	15.8 23.6

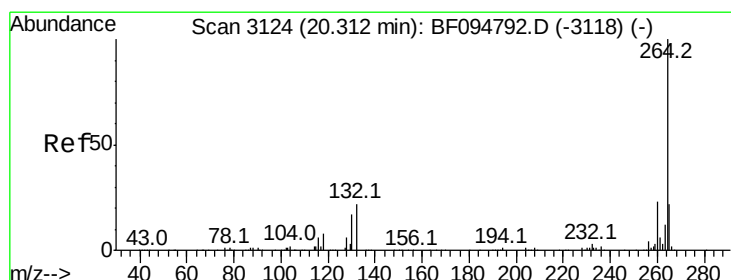
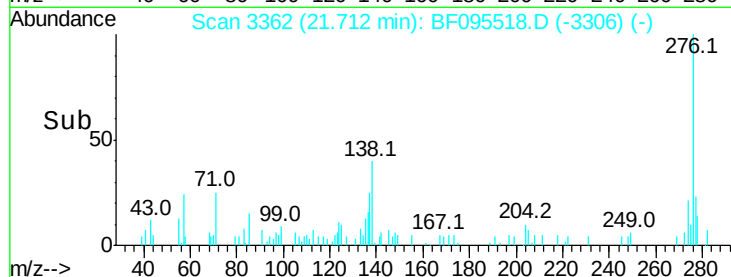
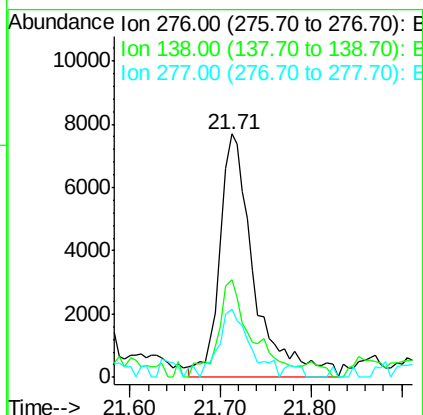
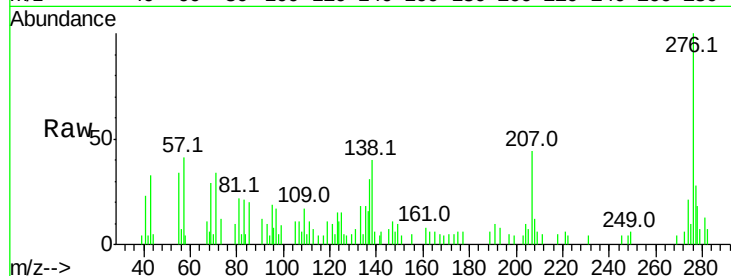




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.15 ng
RT: 21.71 min Scan# 3362
Delta R.T. 0.03 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

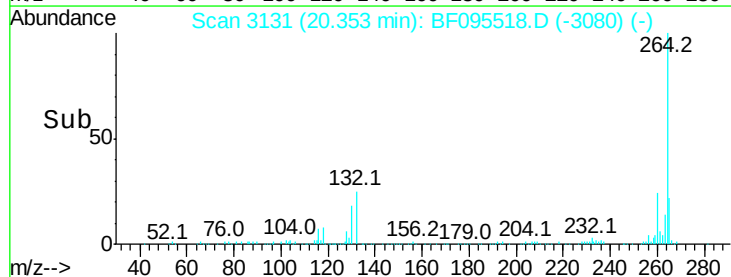
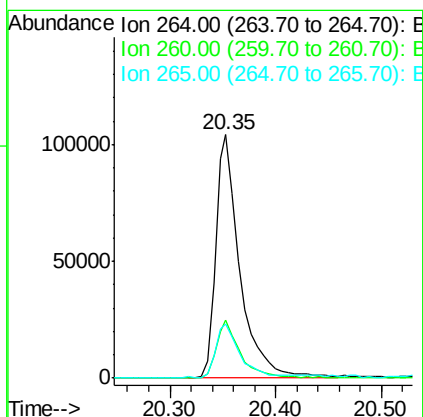
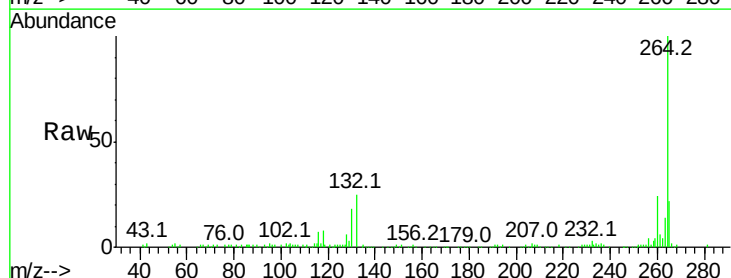
Instrument :
BNA_F
ClientSampled :

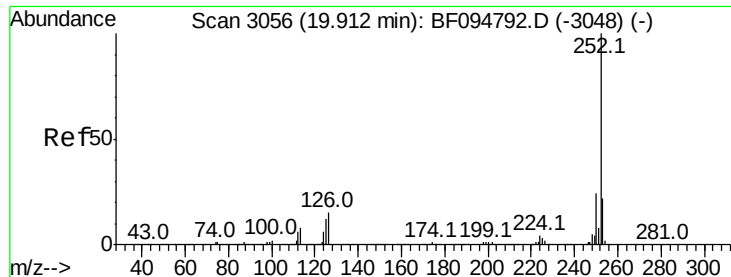
Tot Ion:276 Resp: 20212
Ion Ratio Lower Upper
276 100
138 39.9 27.8 41.6
277 25.1 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

Tgt Ion:264 Resp: 167072
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 22.1 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 6.98 ng

RT: 19.95 min Scan# 3063

Delta R.T. 0.01 min

Lab File: BF095518.D

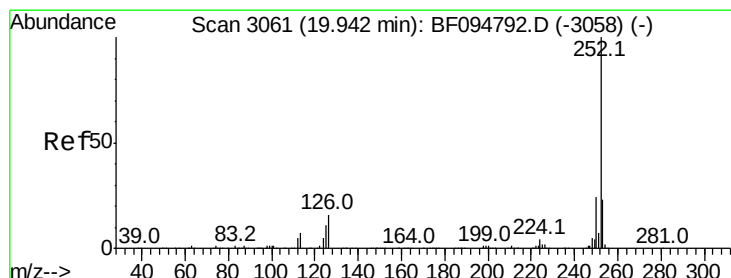
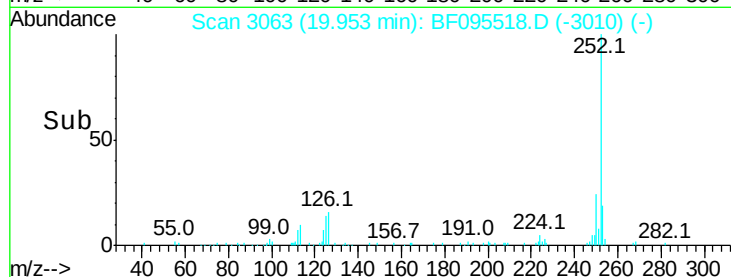
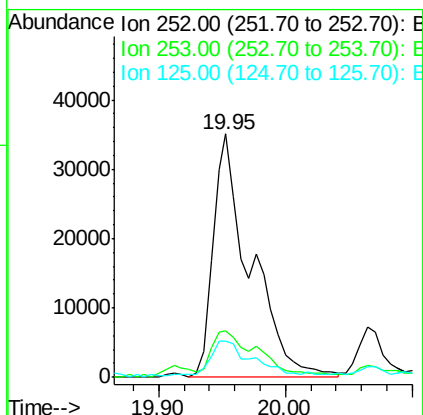
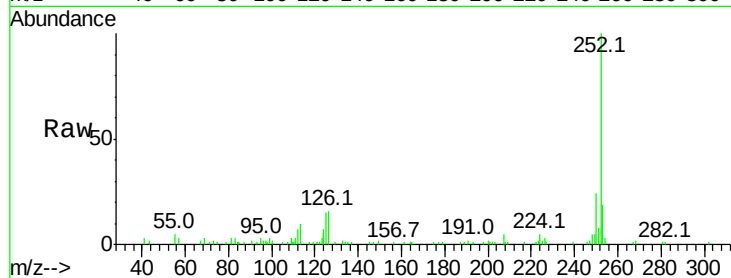
Acq: 28 May 2017 2:38

Instrument :

BNA_F

ClientSampled :

Tot Ion:	252	Resp:	72021
Ion Ratio	Lower	Upper	
252	100		
253	19.3	18.1	27.1
125	15.0	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 7.23 ng

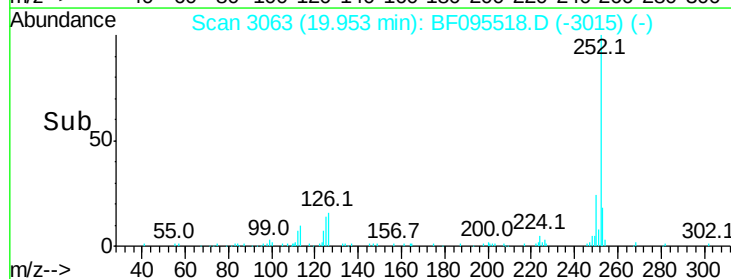
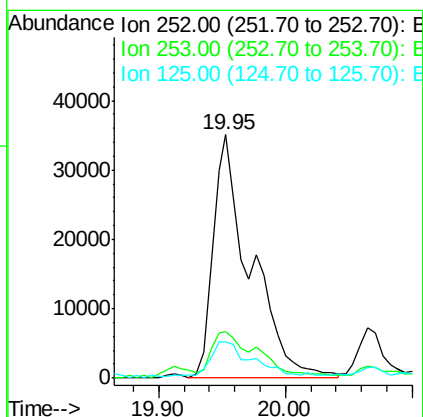
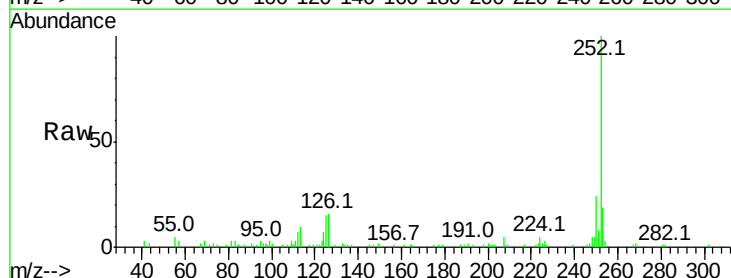
RT: 19.95 min Scan# 3063

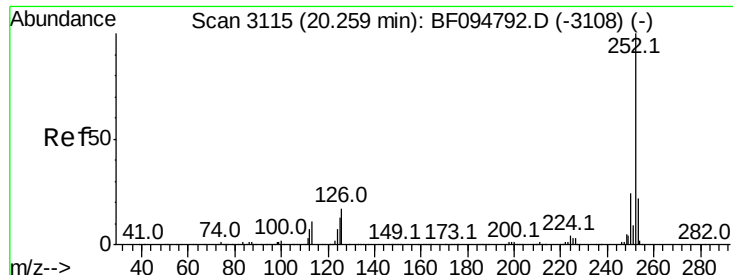
Delta R.T. -0.02 min

Lab File: BF095518.D

Acq: 28 May 2017 2:38

Tgt Ion:	252	Resp:	72021
Ion Ratio	Lower	Upper	
252	100		
253	19.3	18.4	27.6
125	15.0	13.1	19.7

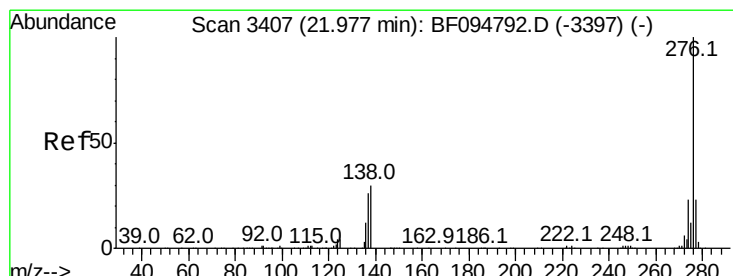
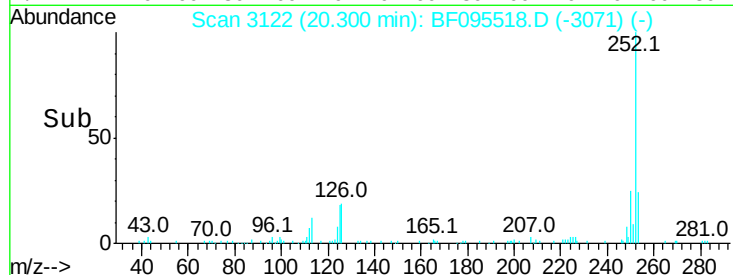
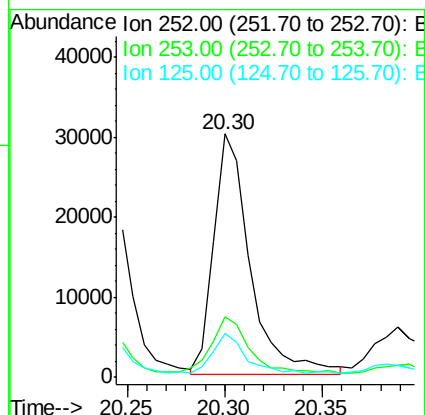
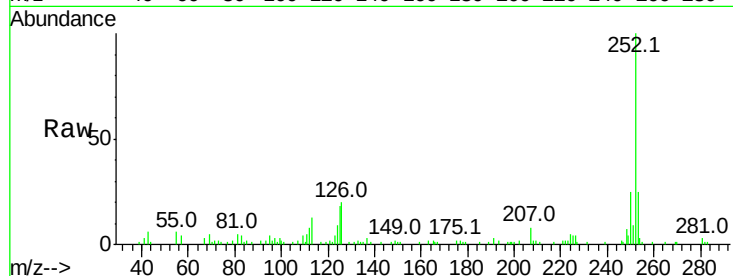




#89
Benzo(a)pyrene
Concen: 4.10 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252	Resp:	39081
Ion Ratio	Lower	Upper
252	100	
253	25.0	17.5 26.3
125	18.0	11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.59 ng
RT: 22.11 min Scan# 3429
Delta R.T. 0.04 min
Lab File: BF095518.D
Acq: 28 May 2017 2:38

Tgt Ion:276	Resp:	19958
Ion Ratio	Lower	Upper
276	100	
277	26.9	18.6 28.0
138	38.4	25.4 38.0#

