

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095515.D
 Acq On : 28 May 2017 1:01
 Operator : SJ/MA
 Sample : I3244-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 29 01:18:28 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

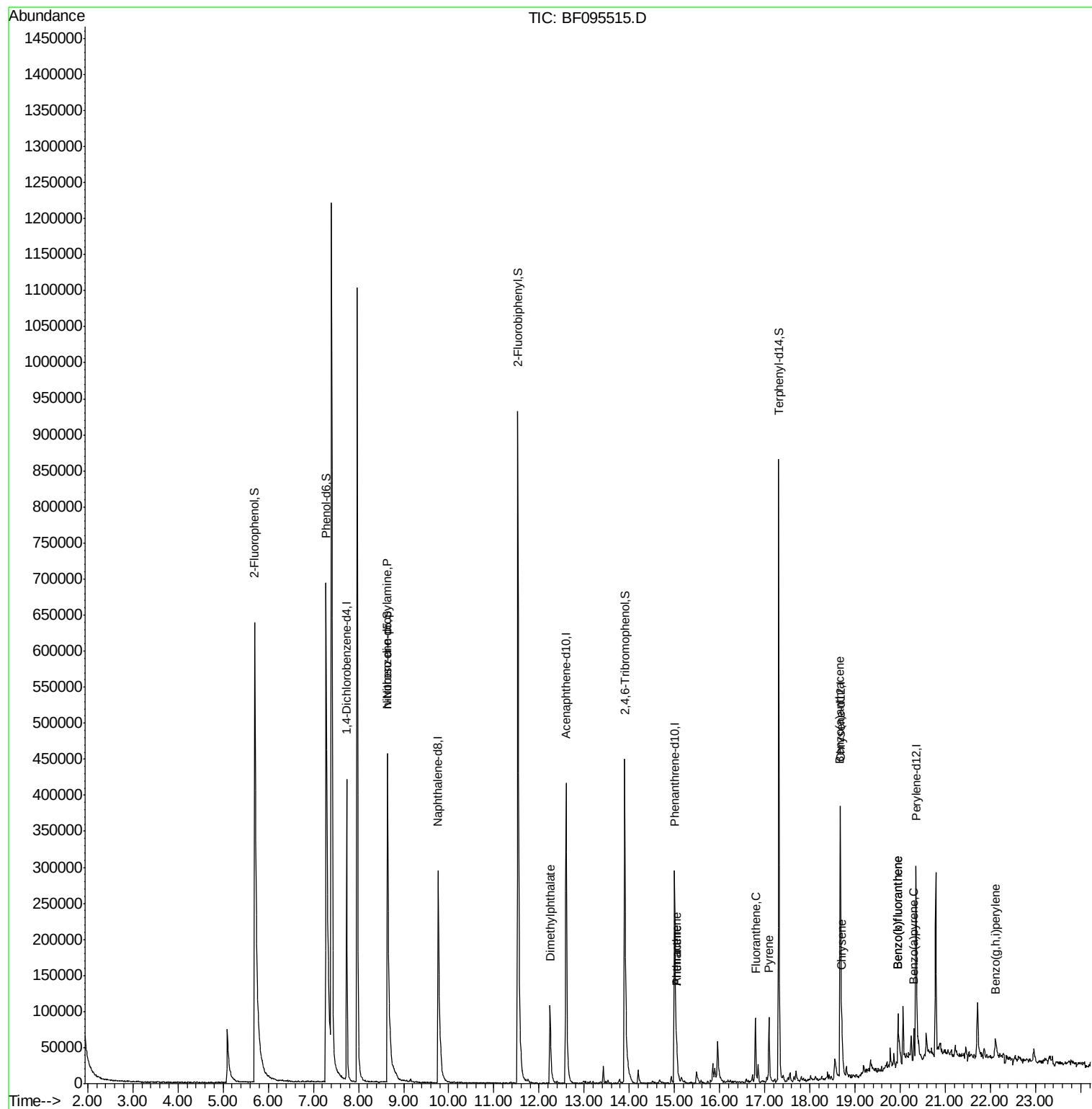
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	97276	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	382834	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	166872	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	241140	20.00	ng	0.00
75) Chrysene-d12	18.68	240	202556	20.00	ng	0.00
86) Perylene-d12	20.35	264	155741	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	608178	104.24	ng	0.00
7) Phenol-d6	7.28	99	748410	106.91	ng	-0.01
23) Nitrobenzene-d5	8.64	82	417694	68.80	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	119467	87.42	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	668949	57.70	ng	0.00
78) Terphenyl-d14	17.31	244	358549	38.99	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.64	70	45294	9.57	ng	Qvalue # 73
49) Dimethylphthalate	12.24	163	106801	7.80	ng	99
70) Phenanthrene	15.05	178	33601	2.43	ng	96
71) Anthracene	15.05	178	33601	2.37	ng	96
74) Fluoranthene	16.79	202	64797	4.56	ng	99
77) Pyrene	17.09	202	53769	3.55	ng	94
80) Benzo(a)anthracene	18.67	228	30222	2.56	ng	98
82) Chrysene	18.71	228	32967	2.89	ng	95
87) Benzo(b)fluoranthene	19.95	252	54542	5.67	ng	# 93
88) Benzo(k)fluoranthene	19.95	252	54542	5.88	ng	97
89) Benzo(a)pyrene	20.31	252	23673	2.67	ng	94
91) Benzo(a,h,i)perylene	22.11	276	14525	2.02	ng	# 87

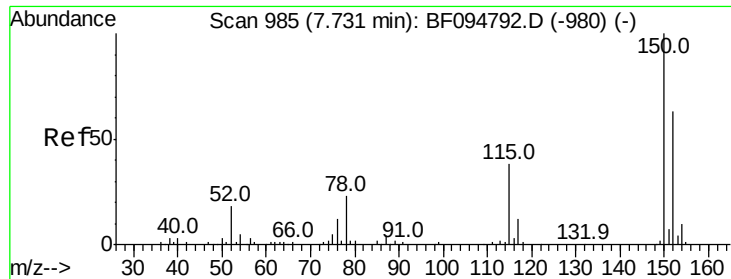
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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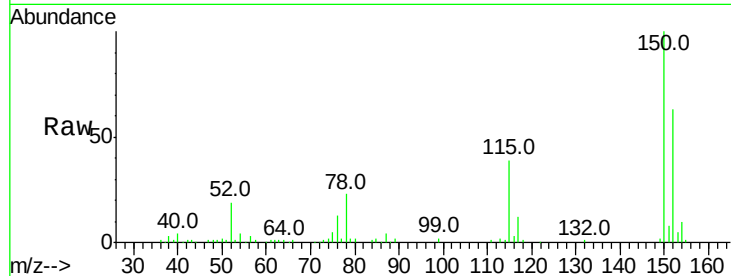


#1

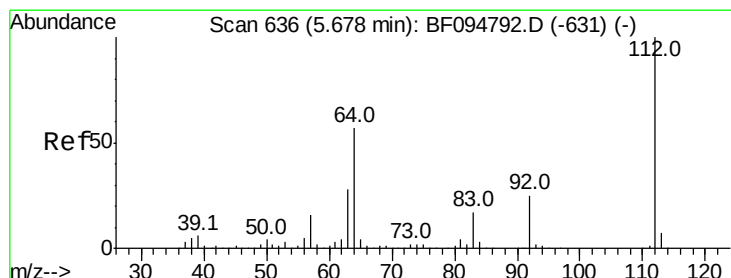
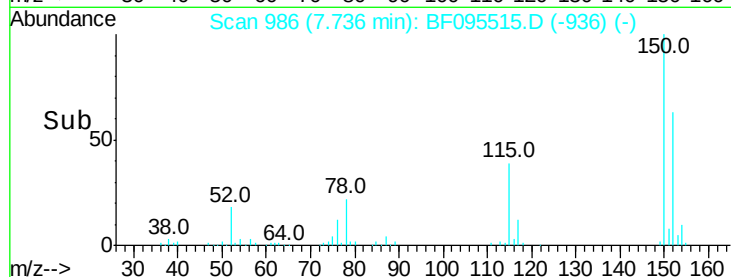
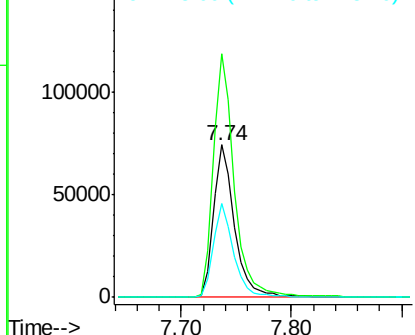
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095515.D
Acq: 28 May 2017 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97276
Ion Ratio Lower Upper
152 100
150 159.5 126.2 189.2
115 61.6 52.2 78.2



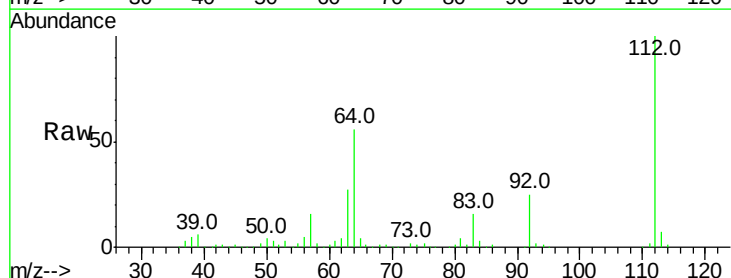
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



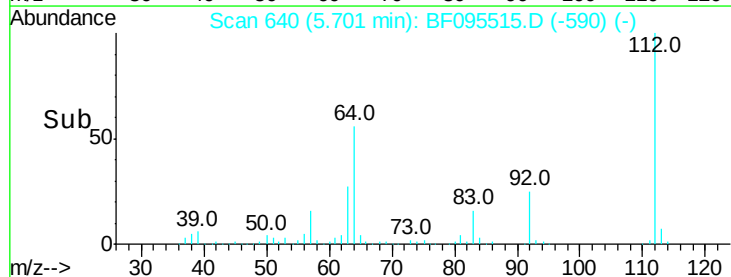
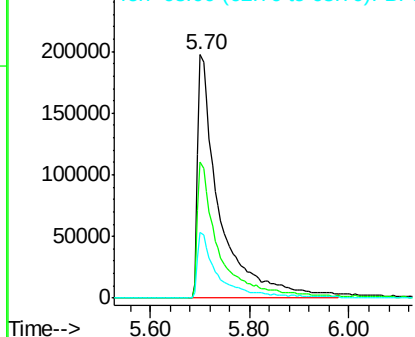
#5

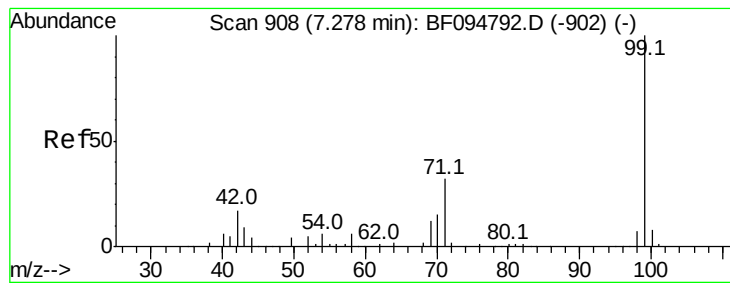
2-Fluorophenol
Concen: 104.24 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095515.D
Acq: 28 May 2017 1:01

Tgt Ion:112 Resp: 608178
Ion Ratio Lower Upper
112 100
64 56.0 46.0 69.0
63 27.2 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: 106.91 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095515.D

Acq: 28 May 2017 1:01

Instrument :

BNA_F

ClientSampleId :

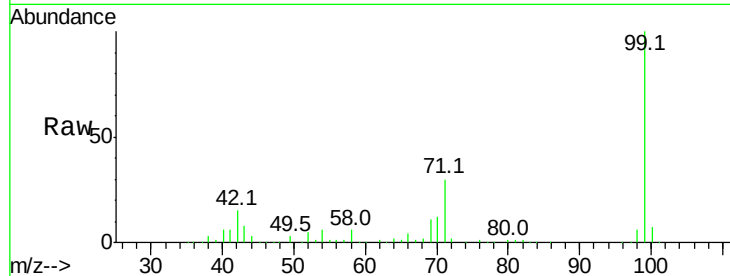
Tot Ion: 99 Resp: 748410

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

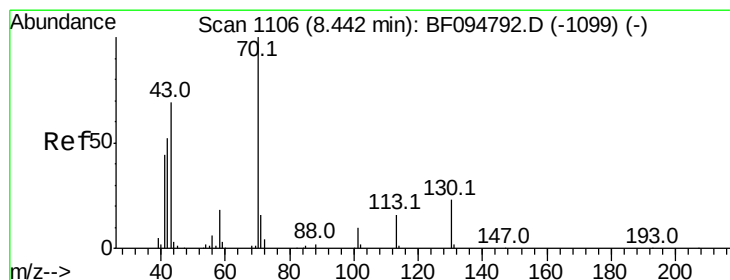
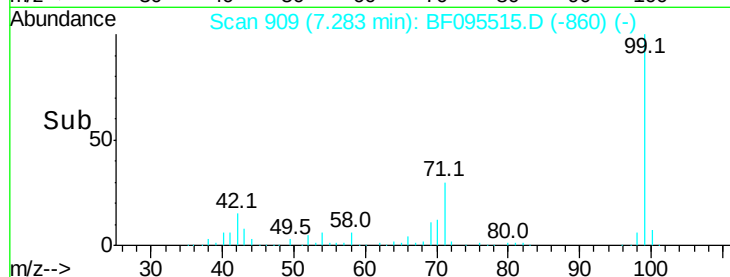
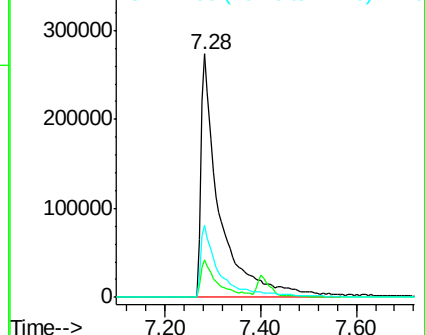
71 29.6 24.5 36.7



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: 9.57 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095515.D

Acq: 28 May 2017 1:01

Tgt Ion: 70 Resp: 45294

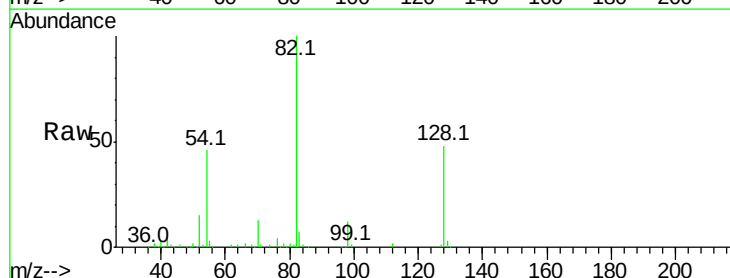
Ion Ratio Lower Upper

70 100

42 41.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

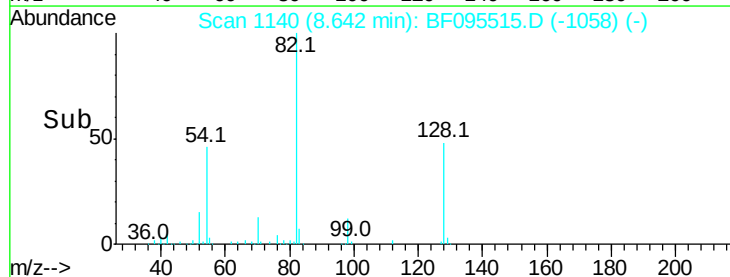
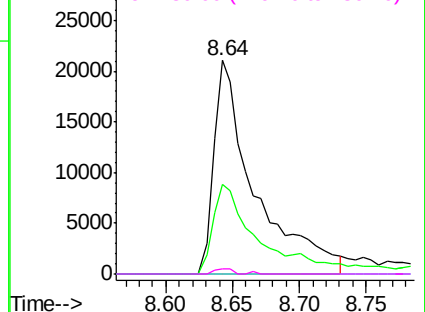


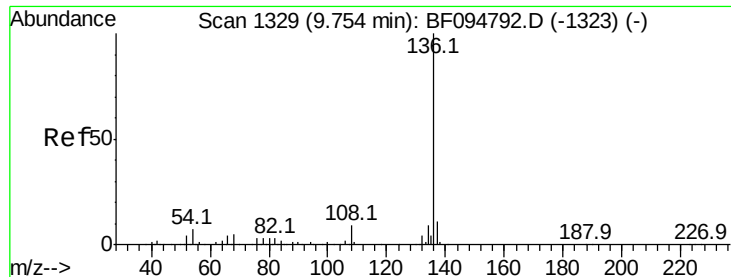
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

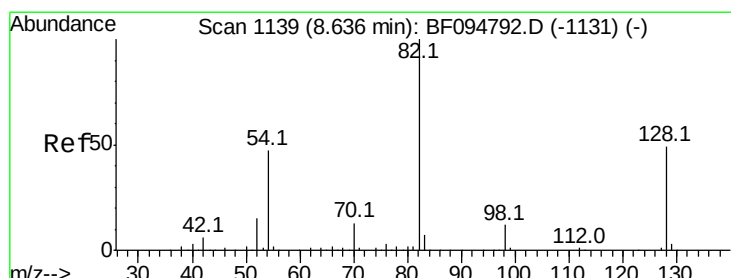
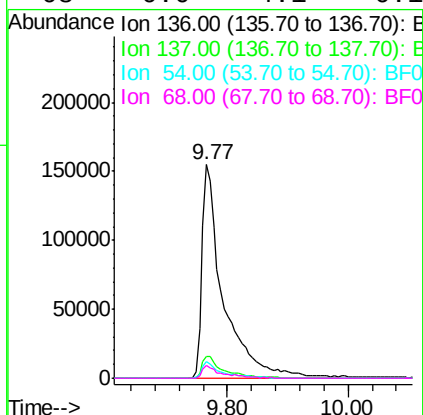
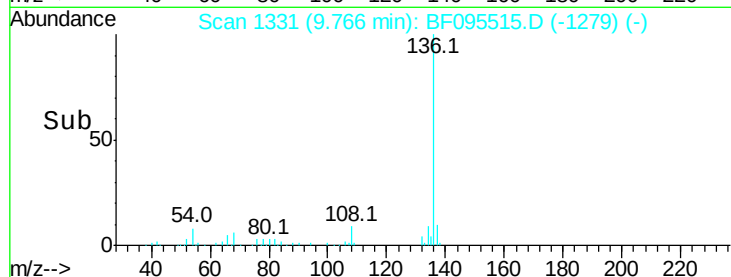
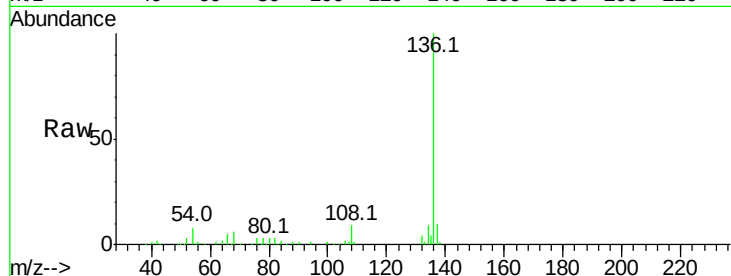




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF095515.D
Acq: 28 May 2017 1:01

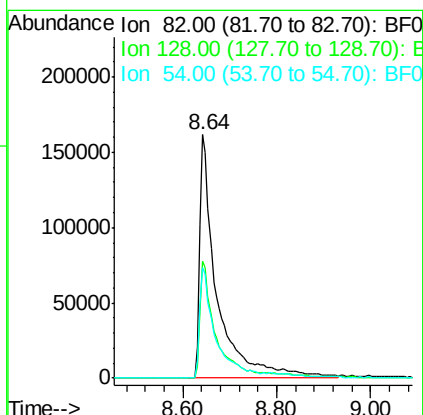
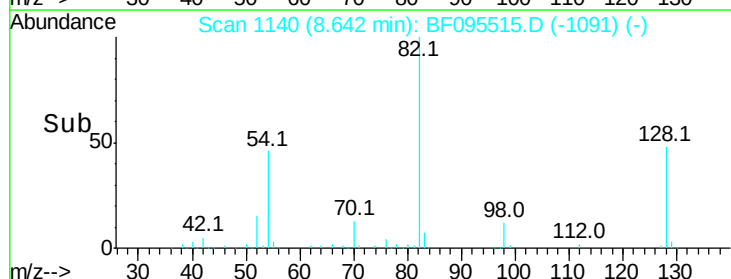
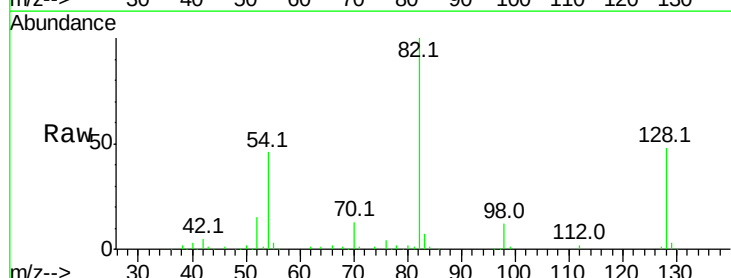
Instrument :
BNA_F
ClientSampleId :

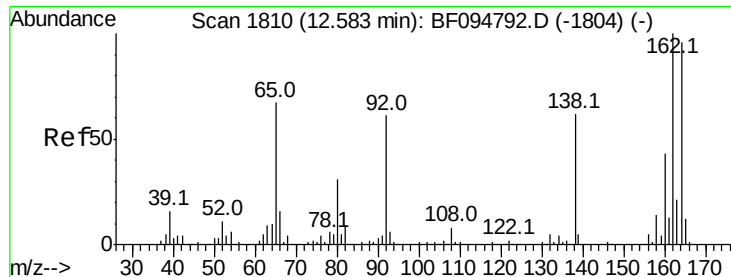
Tot Ion:136	Resp:	382834
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.5 12.7
54	7.6	4.9 7.3#
68	6.0	4.1 6.1



#23
Nitrobenzene-d5
Concen: 68.80 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095515.D
Acq: 28 May 2017 1:01

Tgt Ion: 82	Resp:	417694
Ion Ratio	Lower	Upper
82	100	
128	47.8	34.0 51.0
54	45.6	42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.59 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF095515.D

Acq: 28 May 2017 1:01

Instrument :

BNA_F

ClientSampleId :

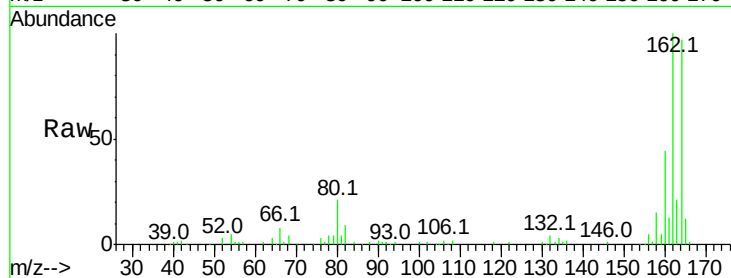
Tot Ion:164 Resp: 166872

Ion Ratio Lower Upper

164 100

162 103.3 82.6 123.8

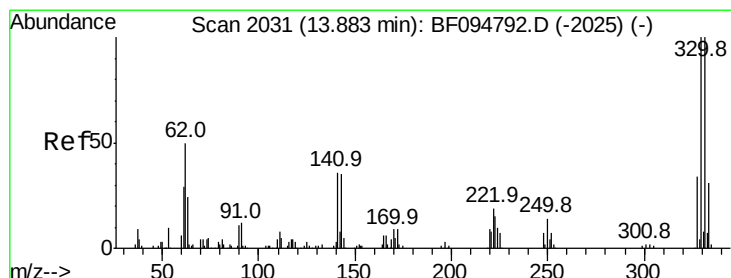
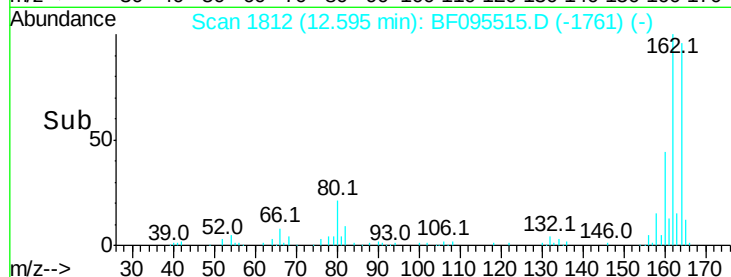
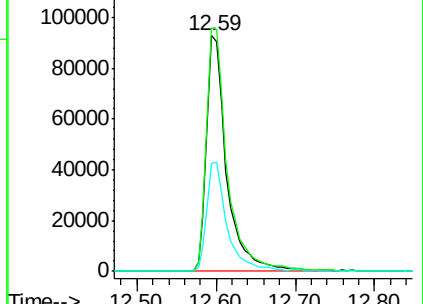
160 45.6 36.2 54.2



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: 87.42 ng

RT: 13.90 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF095515.D

Acq: 28 May 2017 1:01

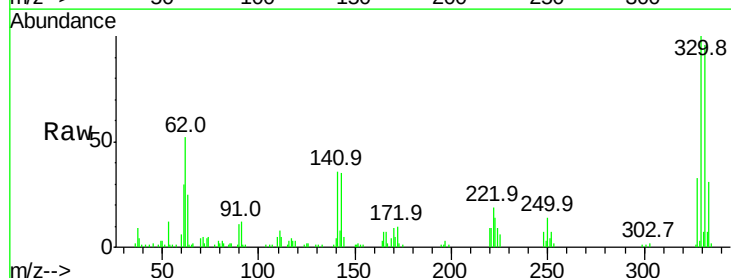
Tgt Ion:330 Resp: 119467

Ion Ratio Lower Upper

330 100

332 93.4 76.6 115.0

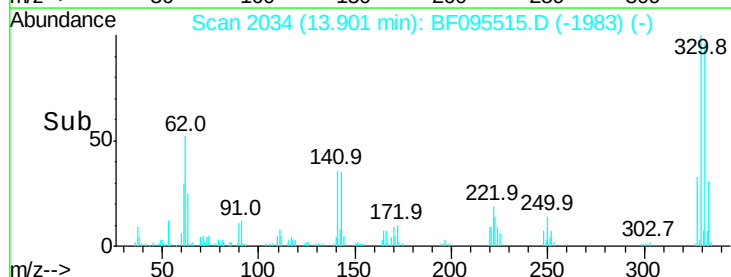
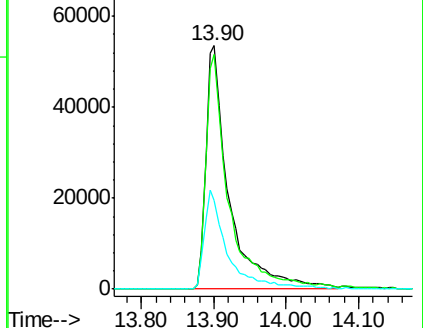
141 40.6 31.4 47.2

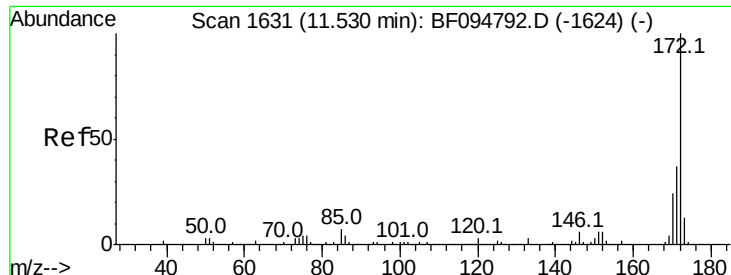


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

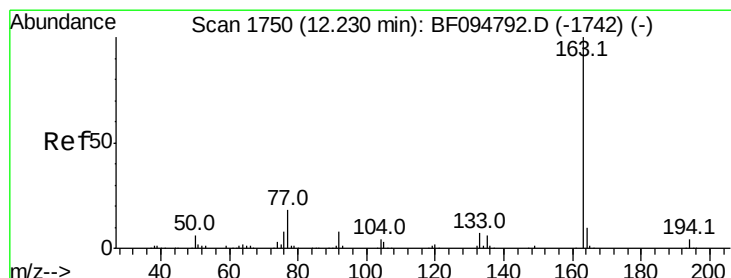
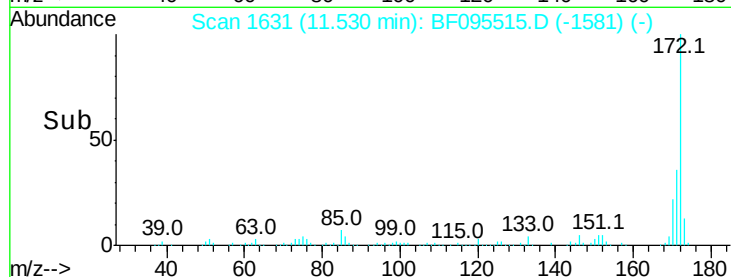
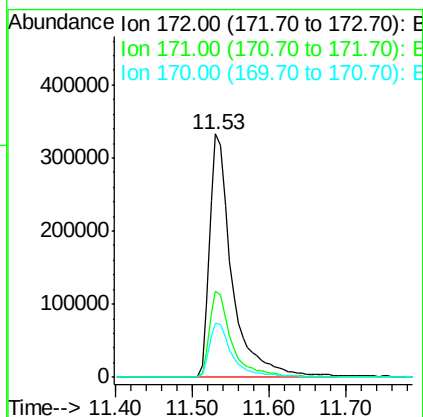
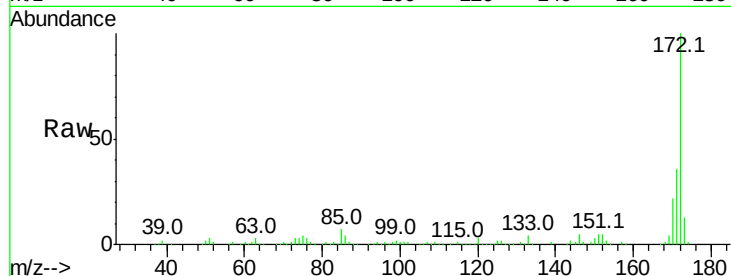




#44
2-Fluorobiphenyl
Concen: 57.70 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095515.D
Acq: 28 May 2017 1:01

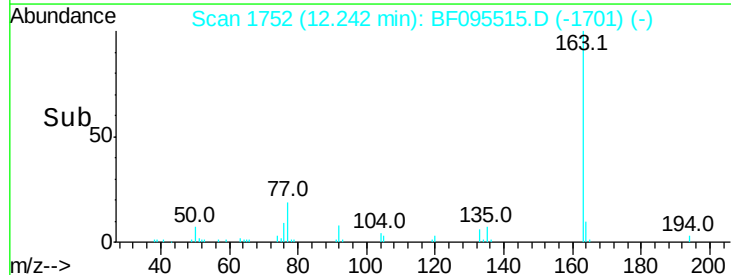
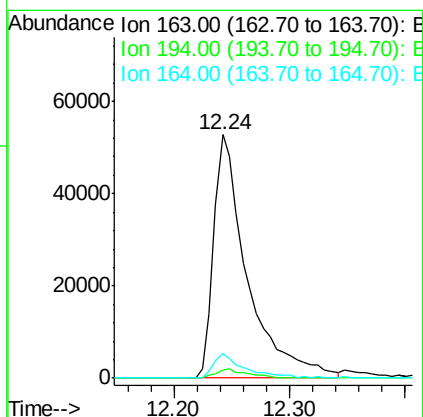
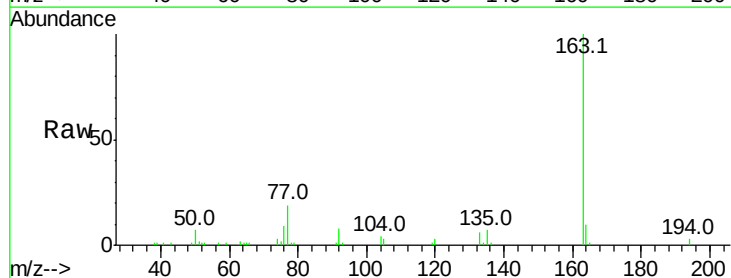
Instrument :
BNA_F
ClientSampleId :

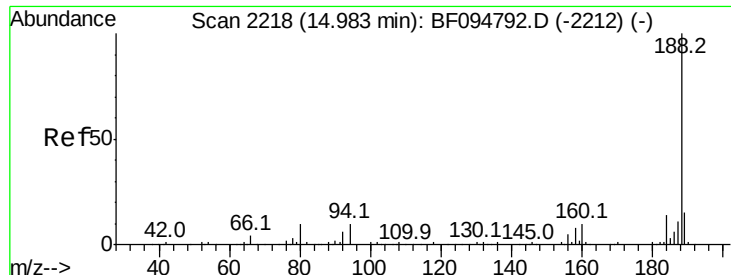
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	22.2	19.8	29.8



#49
Dimethylphthalate
Concen: 7.80 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BF095515.D
Acq: 28 May 2017 1:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.9	8.4	12.6

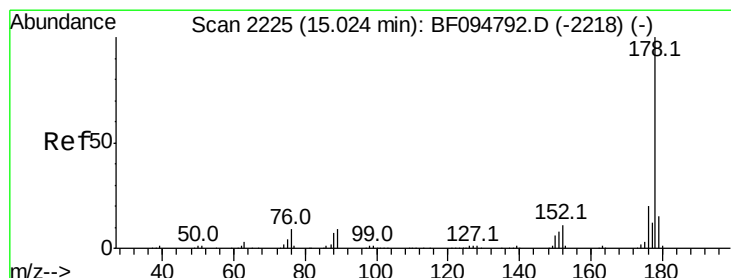
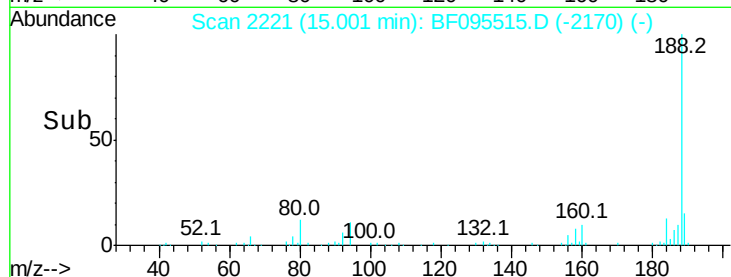
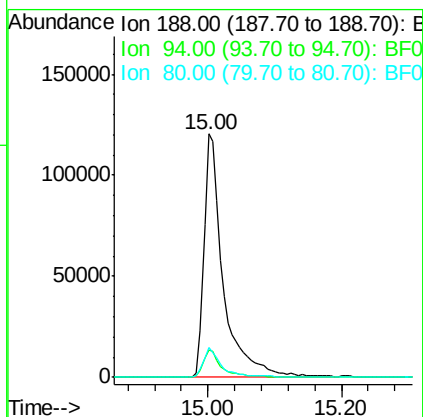
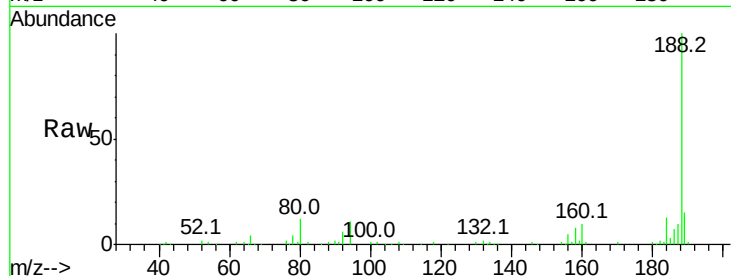




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.00 min
 Lab File: BF095515.D
 Acq: 28 May 2017 1:01

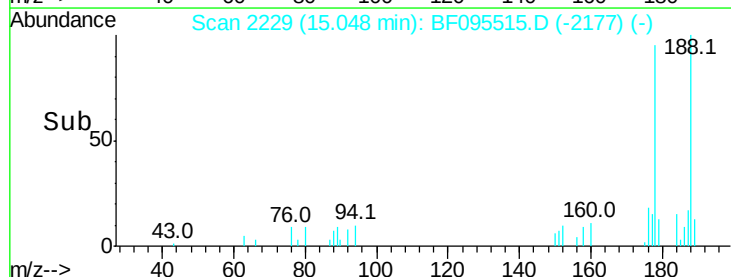
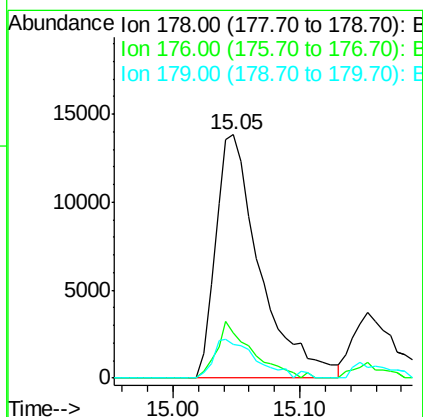
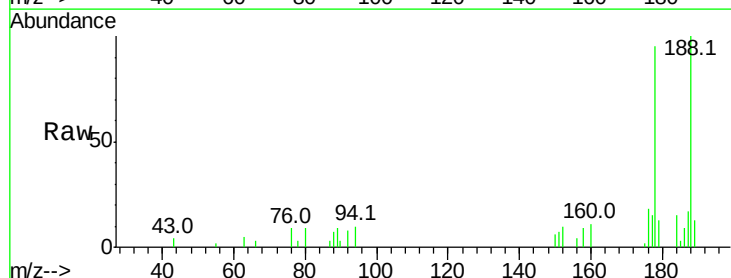
Instrument :
 BNA_F
 ClientSampleId :

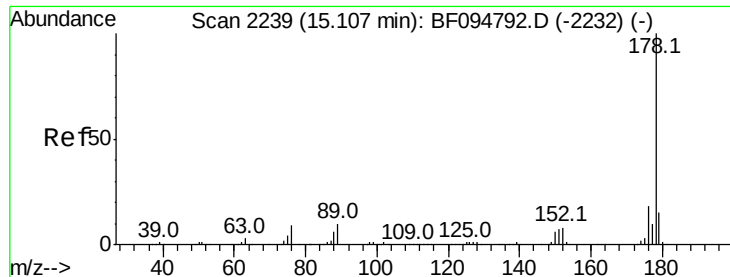
Tot Ion:188 Resp: 241140
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 12.3 10.2 15.2



#70
 Phenanthrene
 Concen: 2.43 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. 0.01 min
 Lab File: BF095515.D
 Acq: 28 May 2017 1:01

Tgt Ion:178 Resp: 33601
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.2 24.4
 179 13.8 12.6 19.0

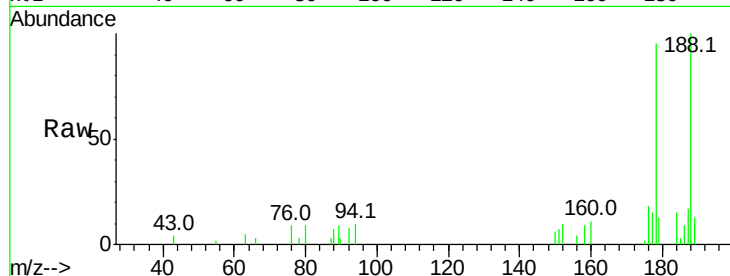




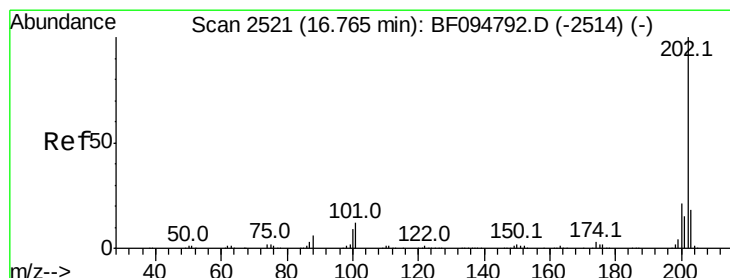
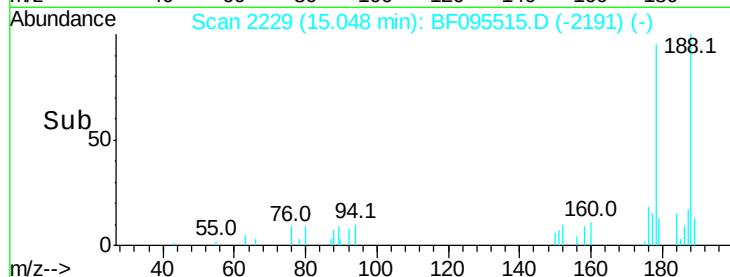
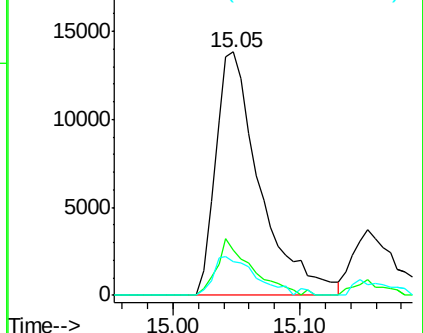
#71
 Anthracene
 Concen: 2.37 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. -0.08 min
 Lab File: BF095515.D
 Acq: 28 May 2017 1:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 33601
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 13.8 12.7 19.1

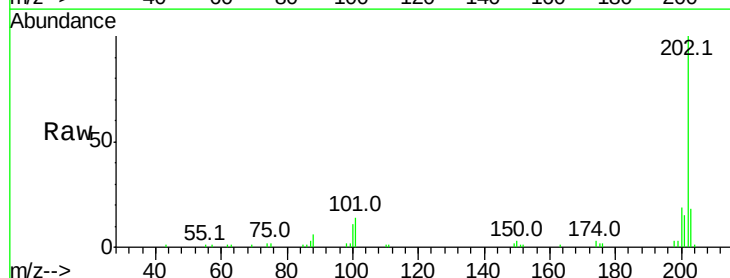


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

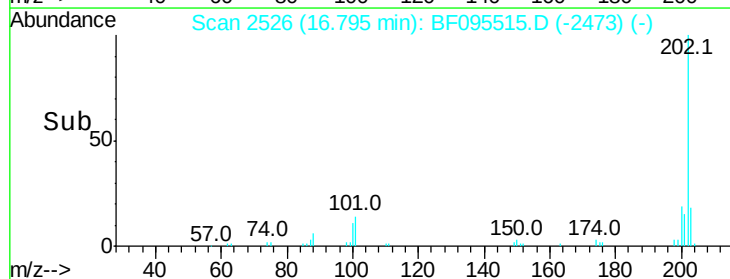
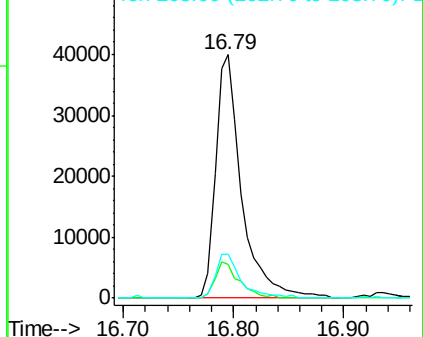


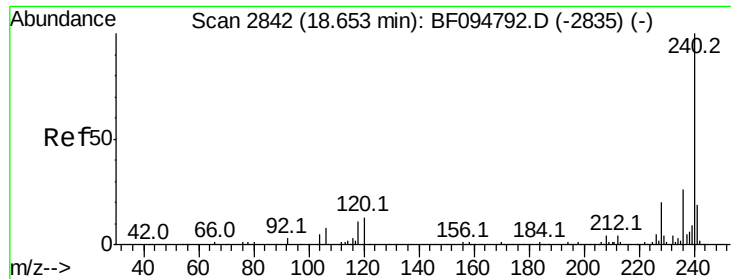
#74
 Fluoranthene
 Concen: 4.56 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. 0.01 min
 Lab File: BF095515.D
 Acq: 28 May 2017 1:01

Tgt Ion:202 Resp: 64797
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 33.2
 203 18.2 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BF095515.D

Acq: 28 May 2017 1:01

Instrument :

BNA_F

ClientSampleId :

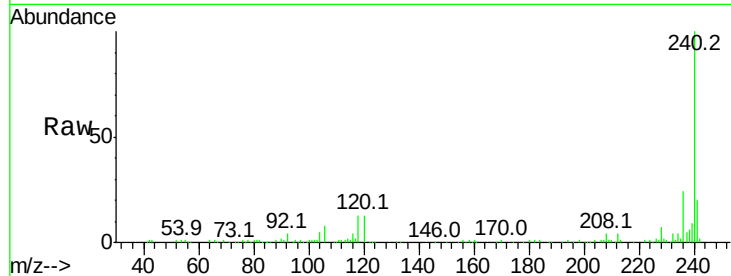
Tot Ion:240 Resp: 202556

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

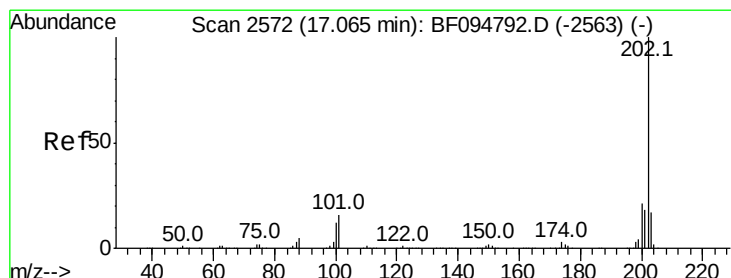
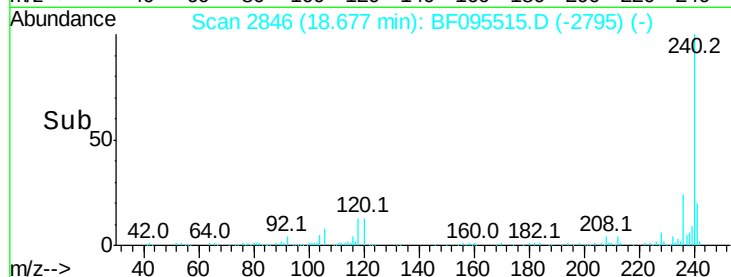
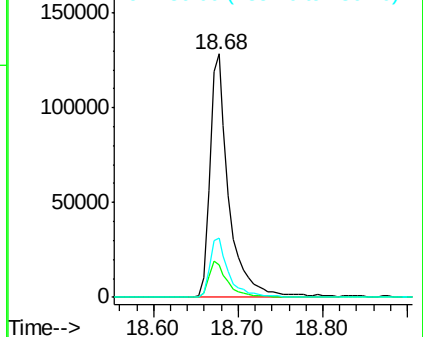
236 24.2 20.5 30.7



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

Pyrene

Concen: 3.55 ng

RT: 17.09 min Scan# 2577

Delta R.T. 0.01 min

Lab File: BF095515.D

Acq: 28 May 2017 1:01

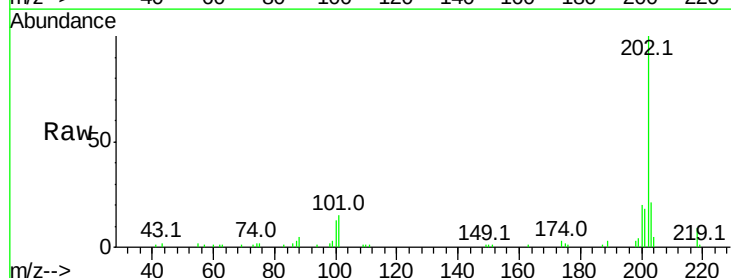
Tgt Ion:202 Resp: 53769

Ion Ratio Lower Upper

202 100

200 19.6 17.6 26.4

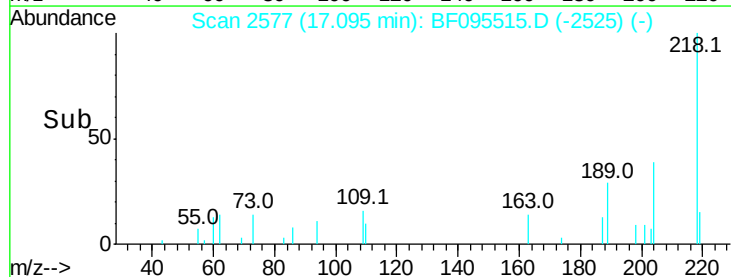
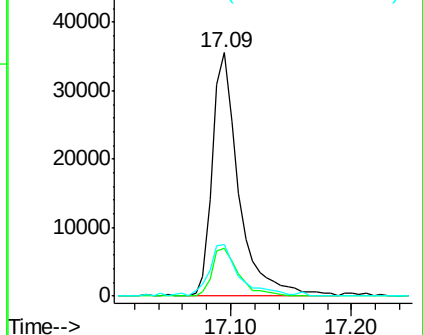
203 21.0 14.4 21.6

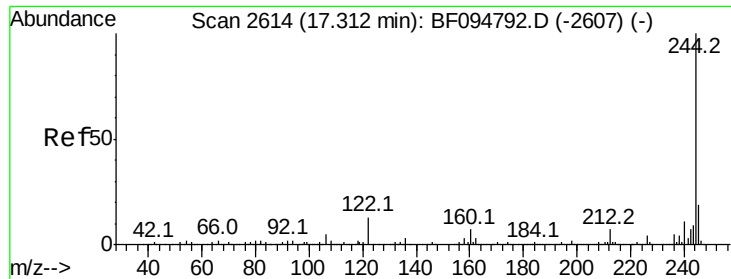


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

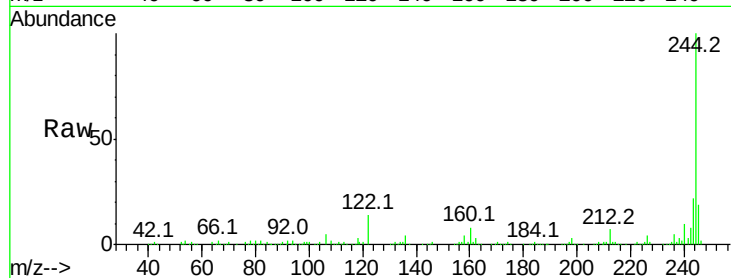




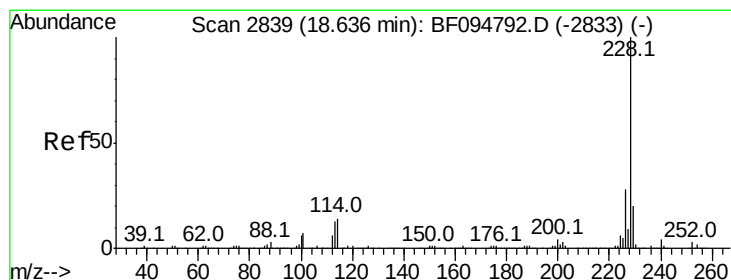
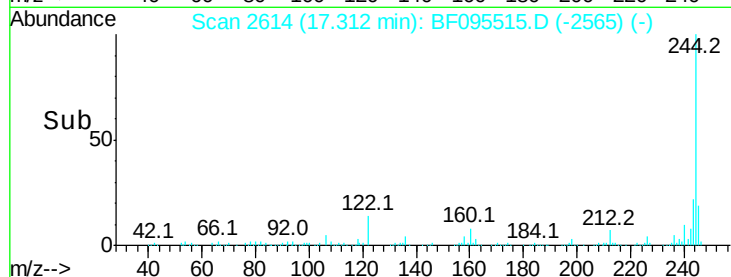
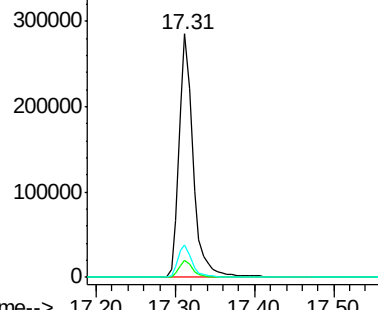
#78
 Terphenyl-d14
 Concen: 38.99 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095515.D
 Acq: 28 May 2017 1:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 358549
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.6 10.3 15.5

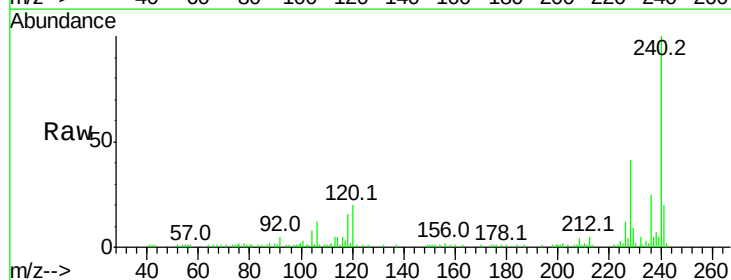


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

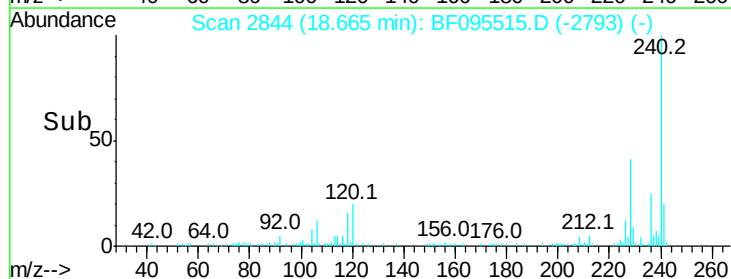
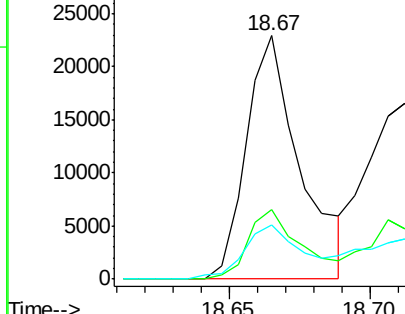


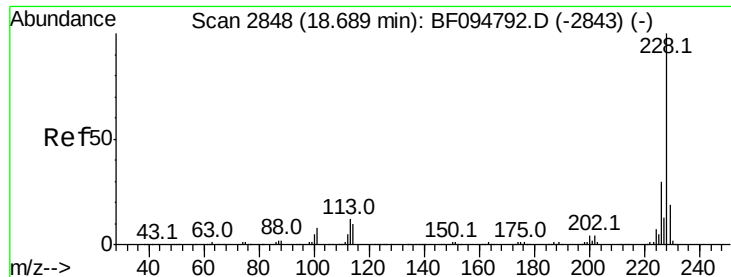
#80
 Benzo(a)anthracene
 Concen: 2.56 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: BF095515.D
 Acq: 28 May 2017 1:01

Tgt Ion:228 Resp: 30222
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.6 33.8
 229 22.1 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: 2.89 ng

RT: 18.71 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BF095515.D

Acq: 28 May 2017 1:01

Instrument :

BNA_F

ClientSampleId :

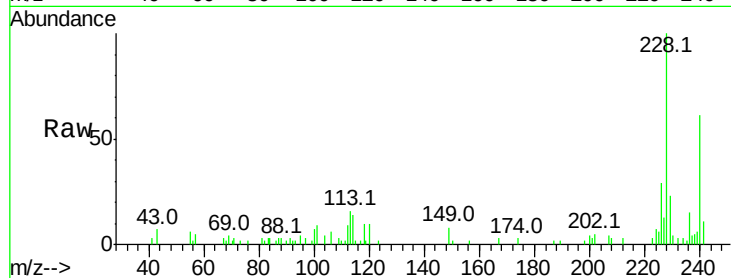
Tot Ion:228 Resp: 32967

Ion Ratio Lower Upper

228 100

226 28.7 24.9 37.3

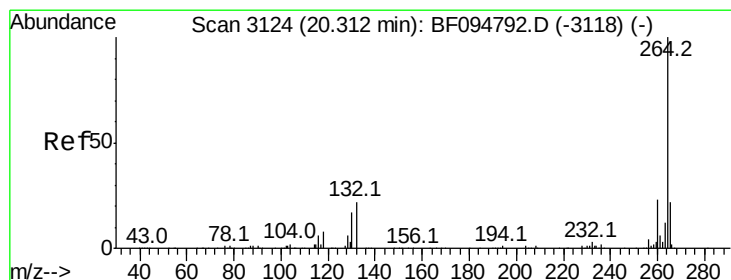
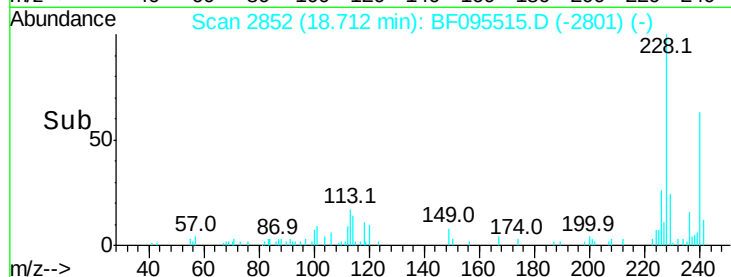
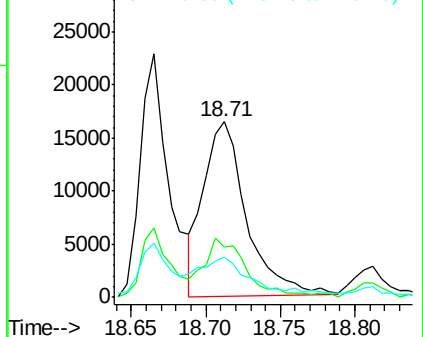
229 23.1 15.8 23.6



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: 20.35 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BF095515.D

Acq: 28 May 2017 1:01

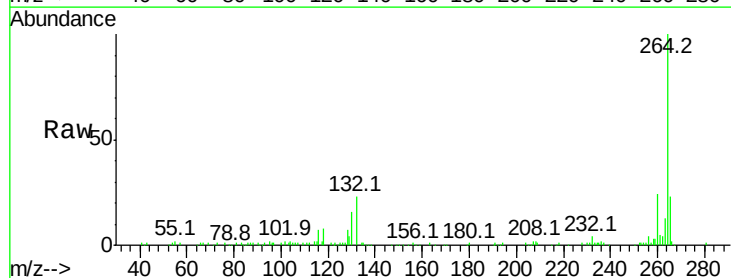
Tgt Ion:264 Resp: 155741

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

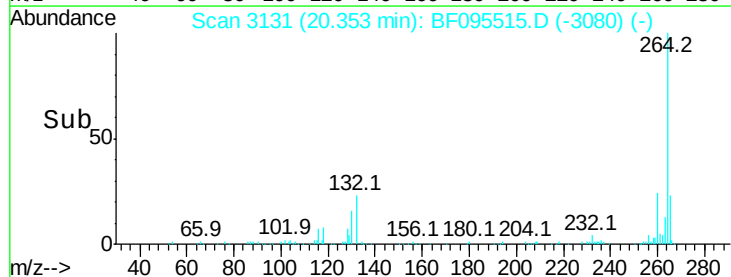
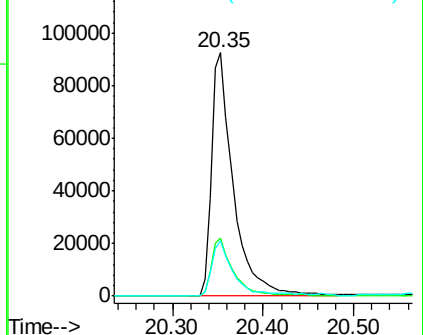
265 22.5 17.2 25.8

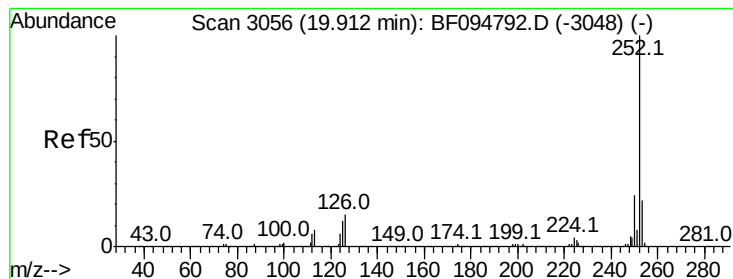


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.67 ng

RT: 19.95 min Scan# 3063

Delta R.T. 0.01 min

Lab File: BF095515.D

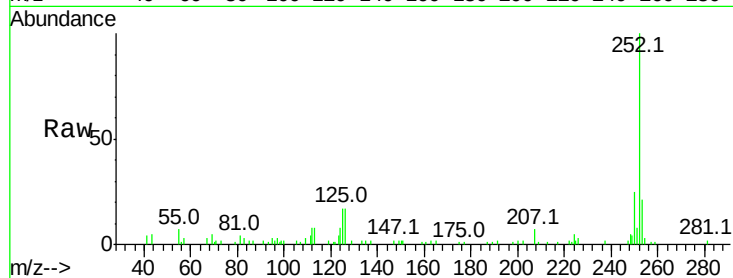
Acq: 28 May 2017 1:01

Instrument :

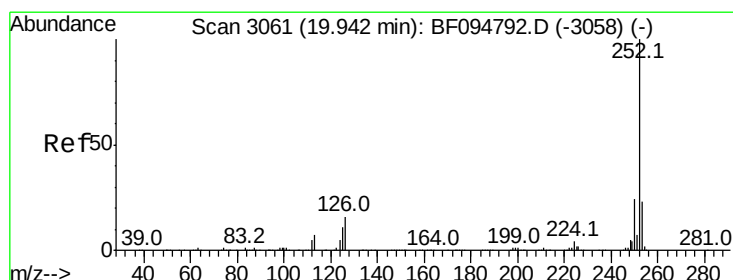
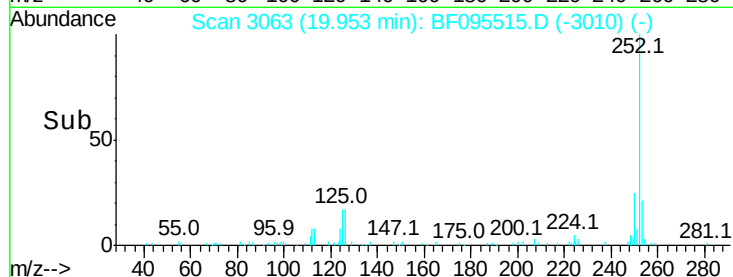
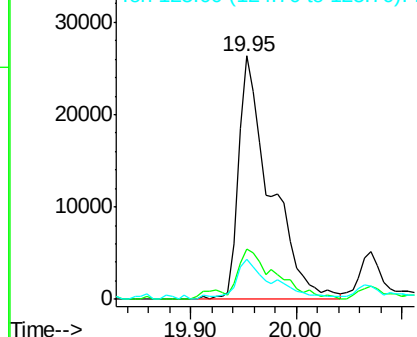
BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	54542
Ion Ratio	Lower	Upper	
252	100		
253	20.6	18.1	27.1
125	16.5	9.8	14.8#



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



#88

Benzo(k)fluoranthene

Concen: 5.88 ng

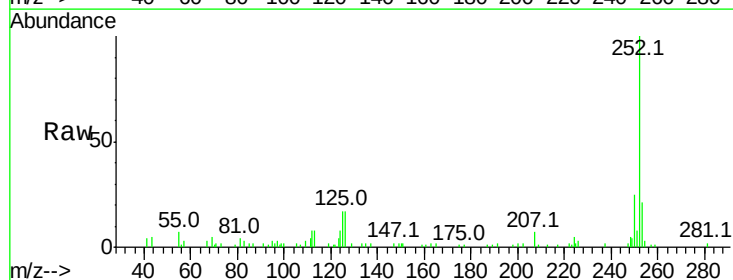
RT: 19.95 min Scan# 3063

Delta R.T. -0.02 min

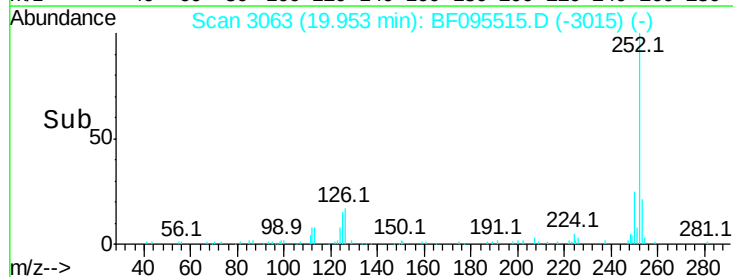
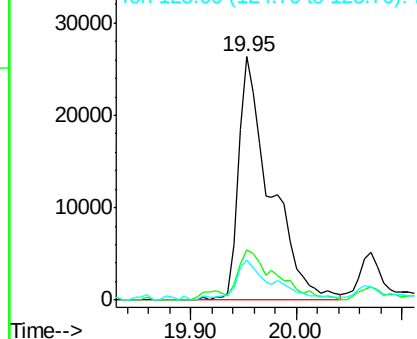
Lab File: BF095515.D

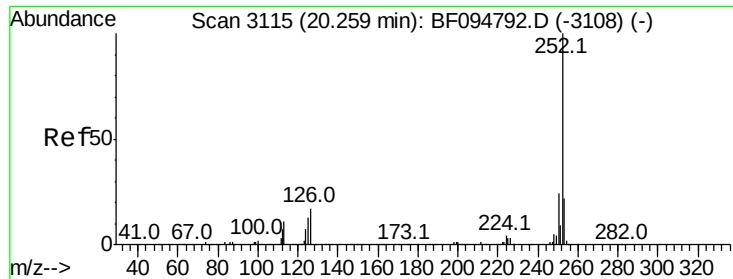
Acq: 28 May 2017 1:01

Tgt Ion:	252	Resp:	54542
Ion Ratio	Lower	Upper	
252	100		
253	20.6	18.4	27.6
125	16.5	13.1	19.7



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

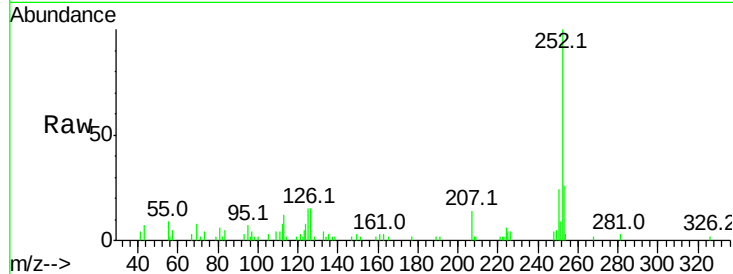




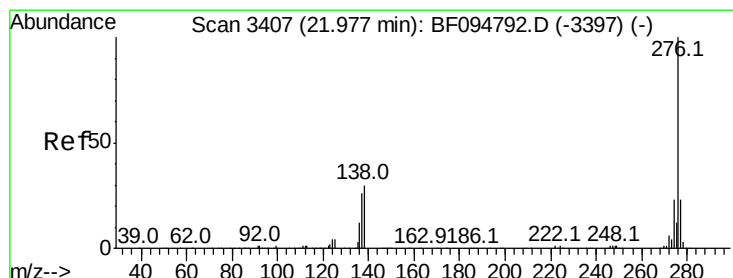
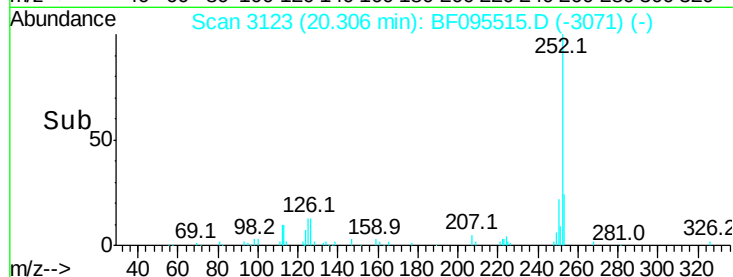
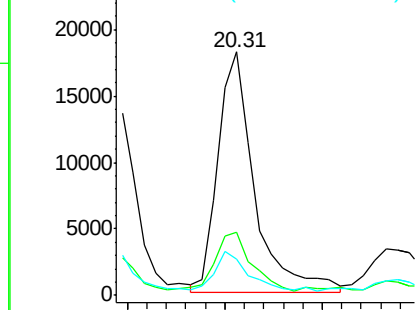
#89
Benzo(a)pyrene
Concen: 2.67 ng
RT: 20.31 min Scan# 3123
Delta R.T. 0.01 min
Lab File: BF095515.D
Acq: 28 May 2017 1:01

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.5	26.3
125	14.8	11.0	16.4

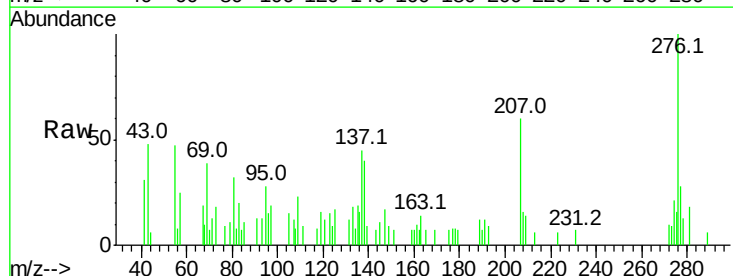


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.02 ng
RT: 22.11 min Scan# 3430
Delta R.T. 0.04 min
Lab File: BF095515.D
Acq: 28 May 2017 1:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.6	28.0
138	40.2	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

