

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
 Data File : BF095205.D
 Acq On : 18 May 2017 2:01
 Operator : SJ/MA
 Sample : I3182-13 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 18 04:36:07 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

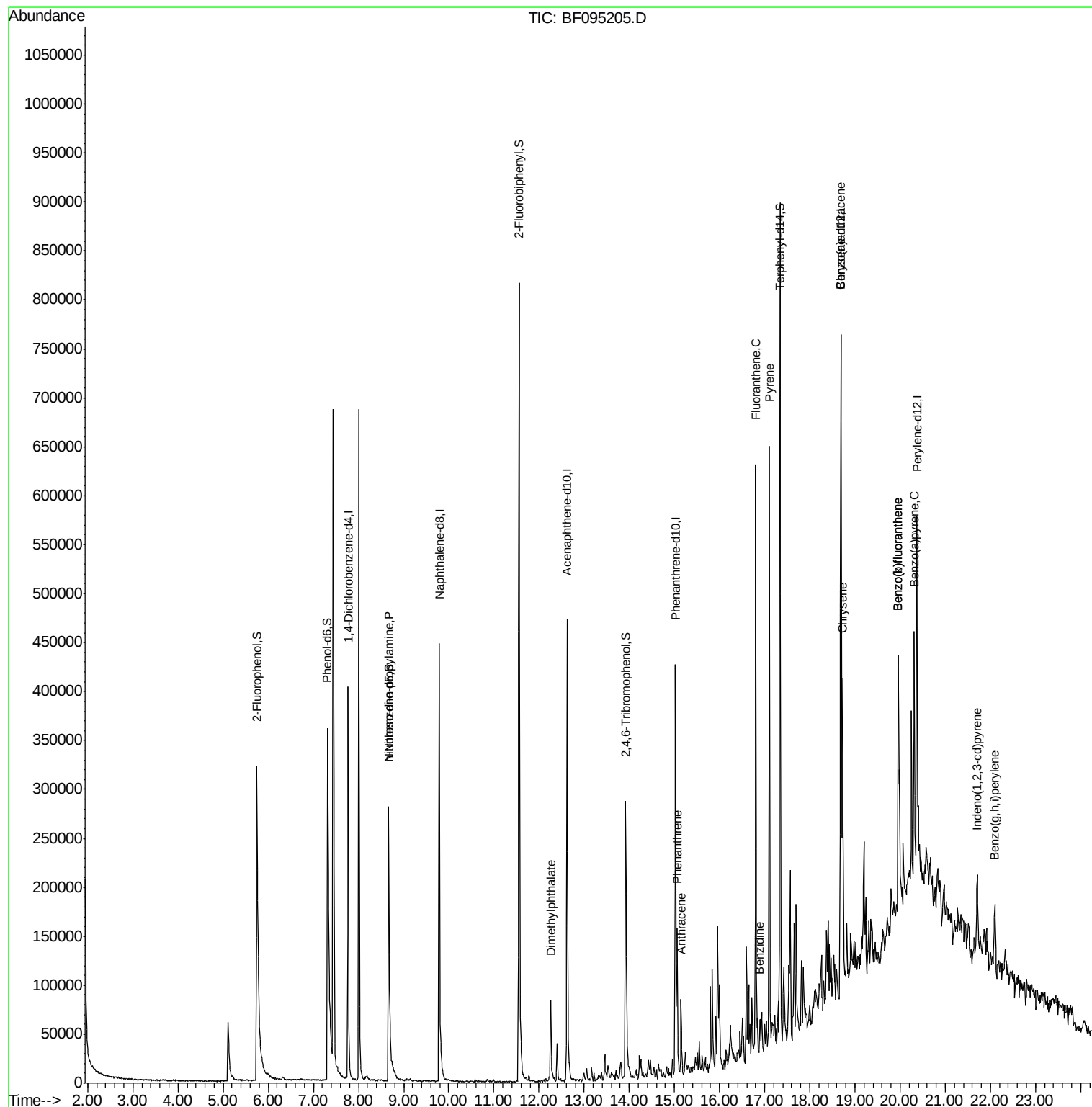
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	91242	20.00	ng	0.04
21) Naphthalene-d8	9.79	136	365768	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	151892	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	228330	20.00	ng	0.04
75) Chrysene-d12	18.69	240	213092	20.00	ng	0.04
86) Perylene-d12	20.37	264	165111	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	295376	53.97	ng	0.07
7) Phenol-d6	7.31	99	372025	56.66	ng	0.04
23) Nitrobenzene-d5	8.67	82	205689	35.46	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	61552	49.48	ng	0.04
44) 2-Fluorobiphenyl	11.56	172	449581	42.60	ng	0.03
78) Terphenyl-d14	17.34	244	310398	32.08	ng	0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.67	70	24725	5.57	ng	# 75
49) Dimethylphthalate	12.26	163	72201	5.79	ng	99
70) Phenanthrene	15.06	178	84321	6.43	ng	97
71) Anthracene	15.15	178	50930	3.80	ng	97
74) Fluoranthene	16.80	202	320011	23.78	ng	100
76) Benzydine	16.89	184	157	6.61	ng	# 62
77) Pyrene	17.11	202	301633	18.93	ng	97
80) Benzo(a)anthracene	18.68	228	170182	13.72	ng	96
82) Chrysene	18.72	228	159768	13.32	ng	98
85) Indeno(1,2,3-cd)pyrene	21.71	276	46888	4.81	ng	94
87) Benzo(b)fluoranthene	19.96	252	199424	19.55	ng	# 96
88) Benzo(k)fluoranthene	19.96	252	199424	20.26	ng	97
89) Benzo(a)pyrene	20.31	252	110603	11.75	ng	95
91) Benzo(a,h,i)perylene	22.10	276	39557	5.18	ng	# 91

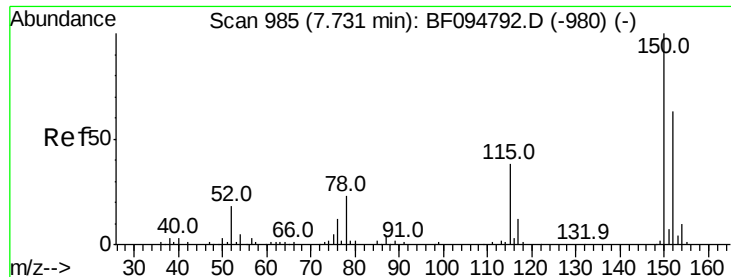
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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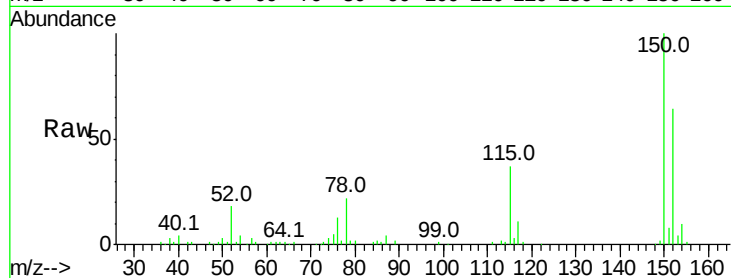


#1

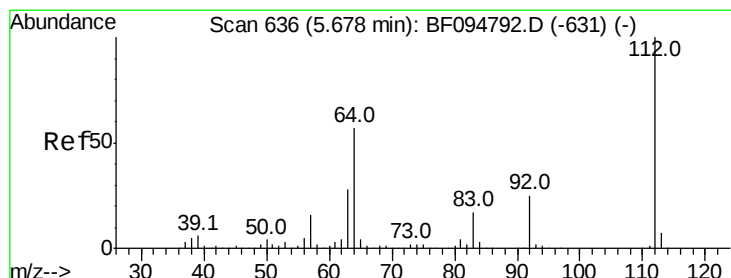
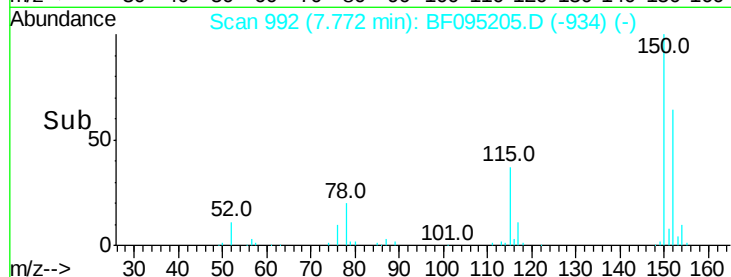
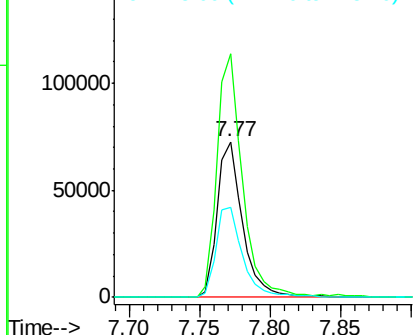
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.04 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91242
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 58.1 52.2 78.2



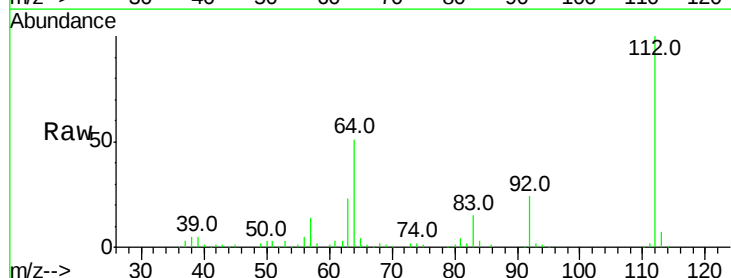
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



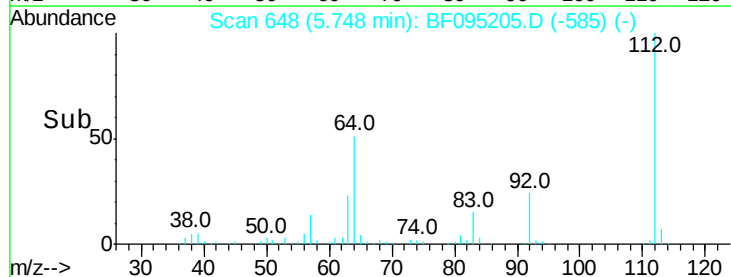
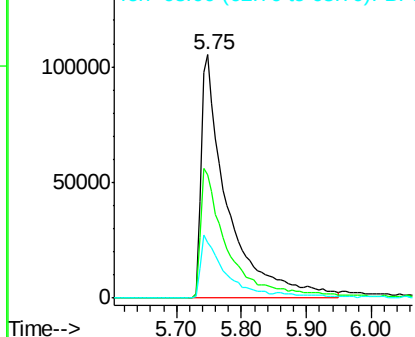
#5

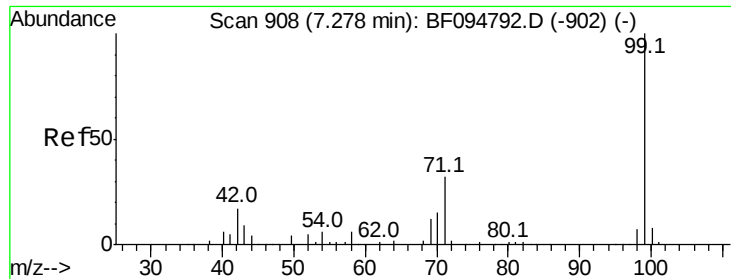
2-Fluorophenol
Concen: 53.97 ng
RT: 5.75 min Scan# 648
Delta R.T. 0.07 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

Tgt Ion:112 Resp: 295376
Ion Ratio Lower Upper
112 100
64 50.5 46.0 69.0
63 22.9 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: 56.66 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF095205.D

Acq: 18 May 2017 2:01

Instrument :

BNA_F

ClientSampled :

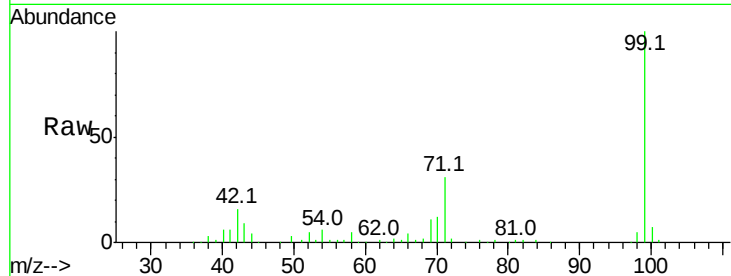
Tot Ion: 99 Resp: 372025

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

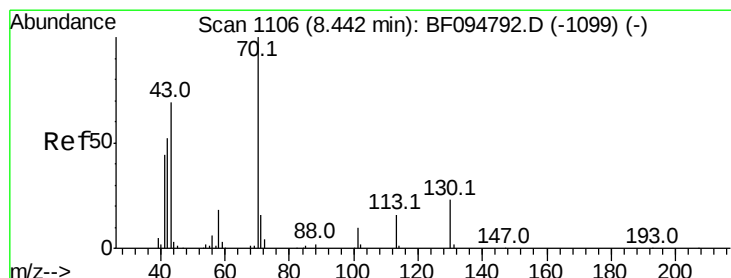
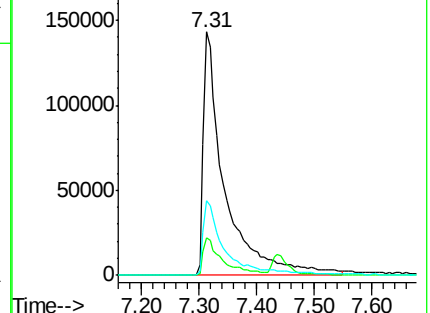
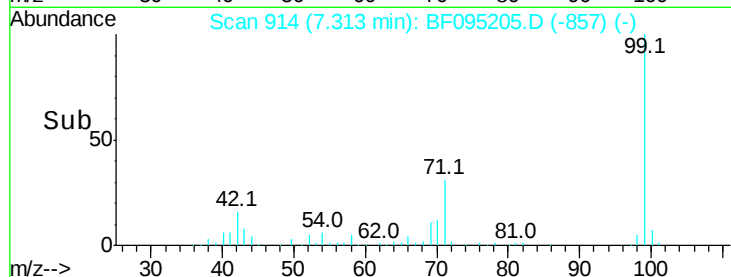
71 30.6 24.5 36.7



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: 5.57 ng

RT: 8.67 min Scan# 1144

Delta R.T. 0.22 min

Lab File: BF095205.D

Acq: 18 May 2017 2:01

Tgt Ion: 70 Resp: 24725

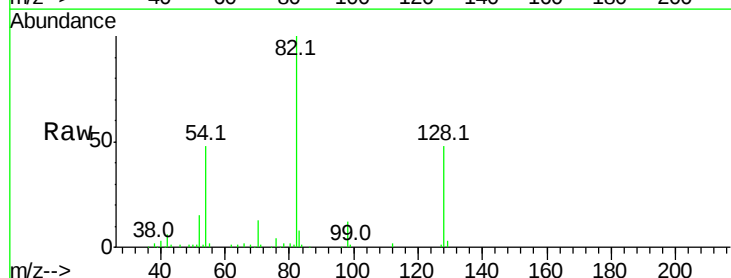
Ion Ratio Lower Upper

70 100

42 45.1 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

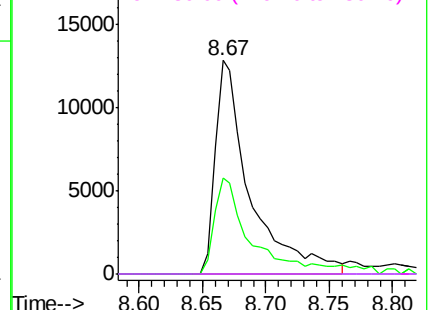
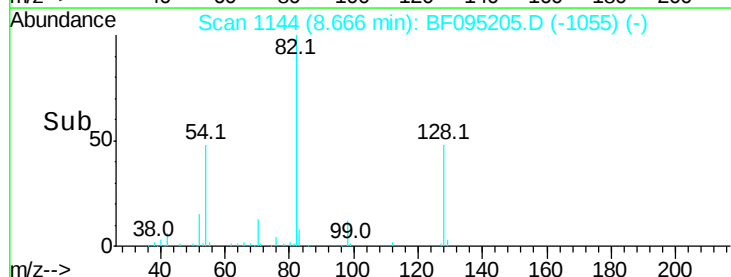


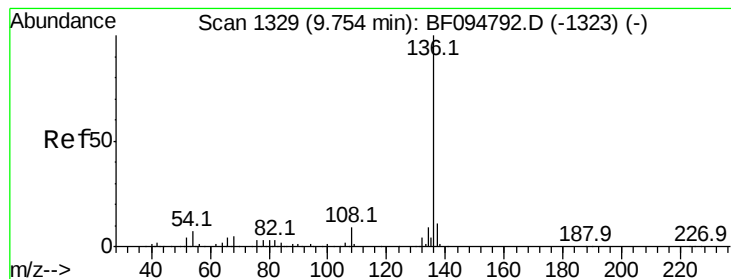
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095205.D

Acq: 18 May 2017 2:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 365768

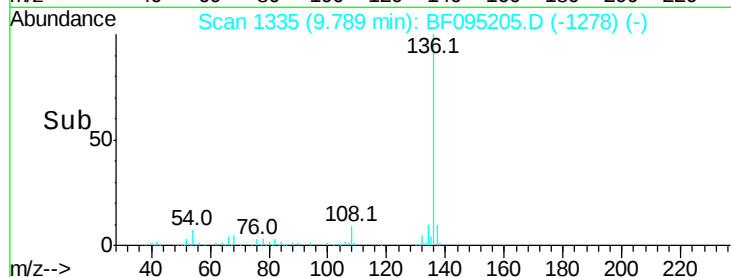
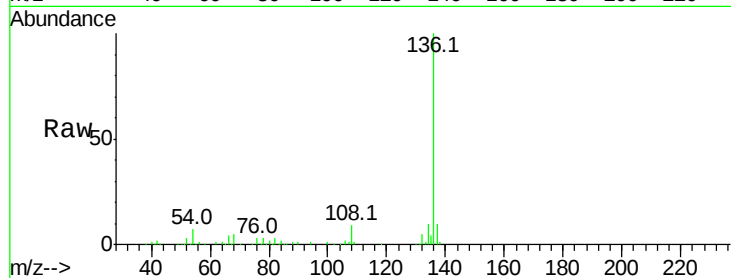
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 6.8 4.9 7.3

68 5.3 4.1 6.1

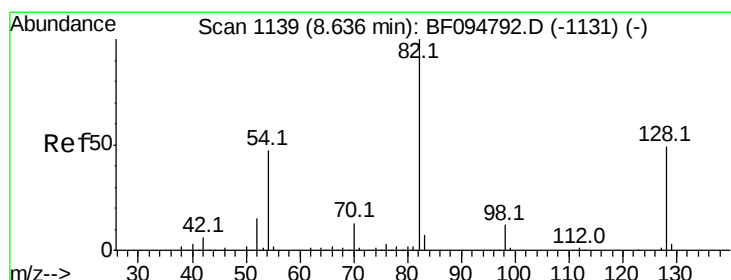
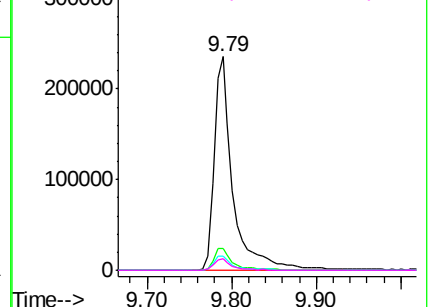


Abundance Ion 136.00 (135.70 to 136.70): E

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: 35.46 ng

RT: 8.67 min Scan# 1145

Delta R.T. 0.04 min

Lab File: BF095205.D

Acq: 18 May 2017 2:01

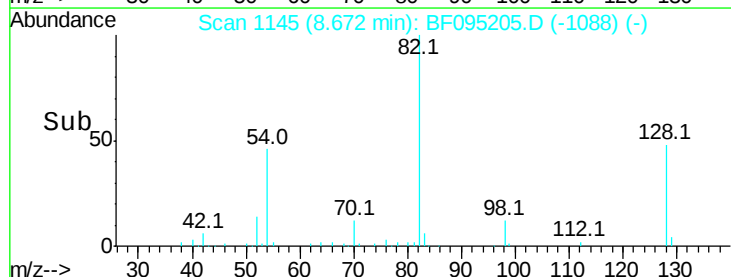
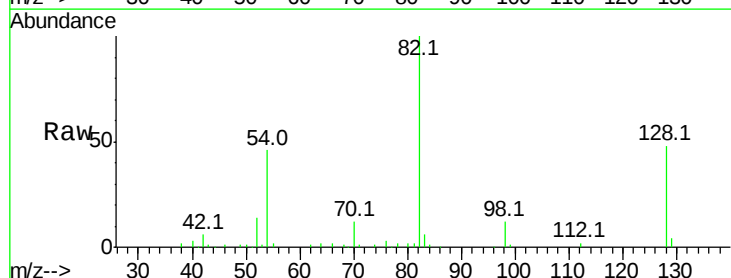
Tgt Ion: 82 Resp: 205689

Ion Ratio Lower Upper

82 100

128 47.5 34.0 51.0

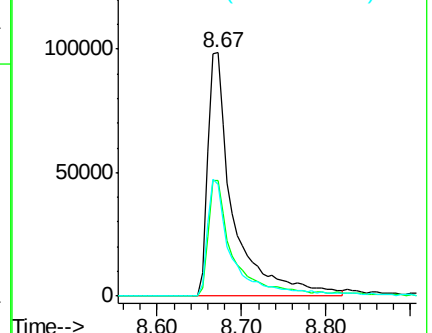
54 45.7 42.2 63.2

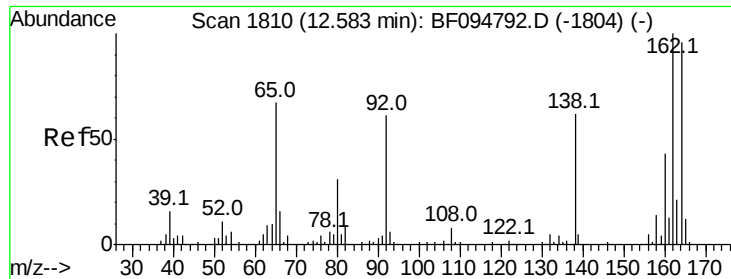


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.62 min Scan# 1816

Delta R.T. 0.04 min

Lab File: BF095205.D

Acq: 18 May 2017 2:01

Instrument :

BNA_F

ClientSampleId :

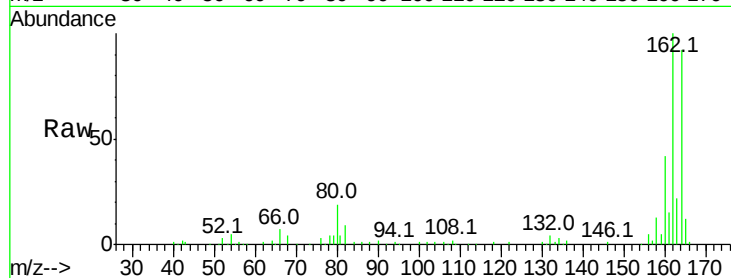
Tot Ion:164 Resp: 151892

Ion Ratio Lower Upper

164 100

162 108.5 82.6 123.8

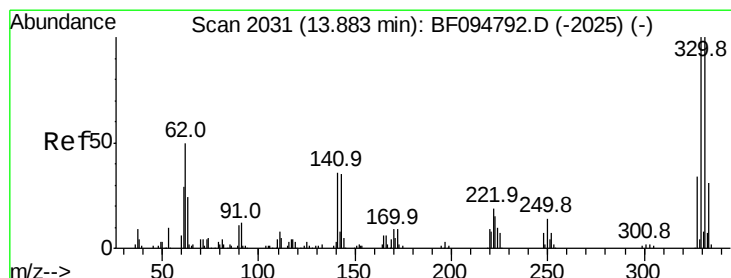
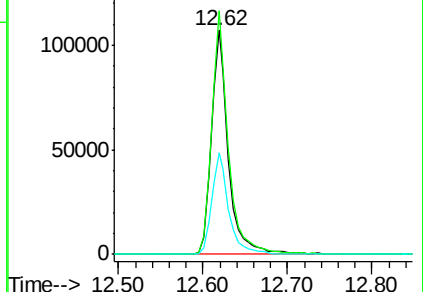
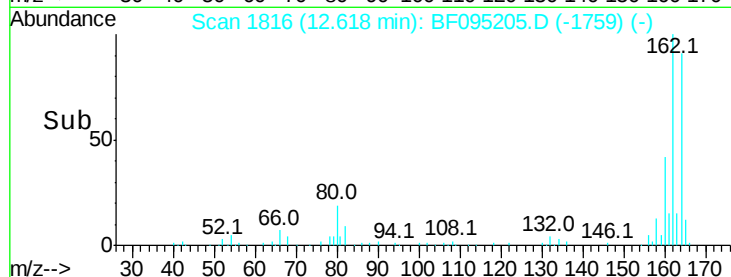
160 45.3 36.2 54.2



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: 49.48 ng

RT: 13.92 min Scan# 2038

Delta R.T. 0.04 min

Lab File: BF095205.D

Acq: 18 May 2017 2:01

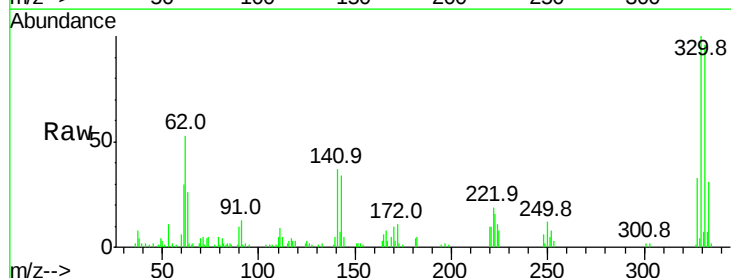
Tgt Ion:330 Resp: 61552

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

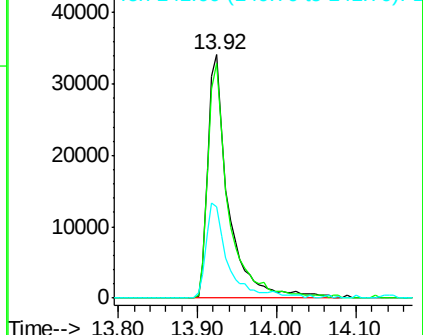
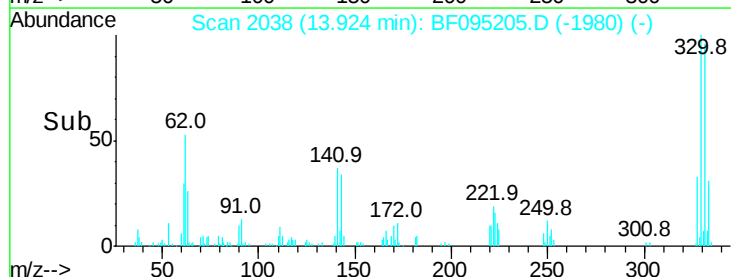
141 41.7 31.4 47.2

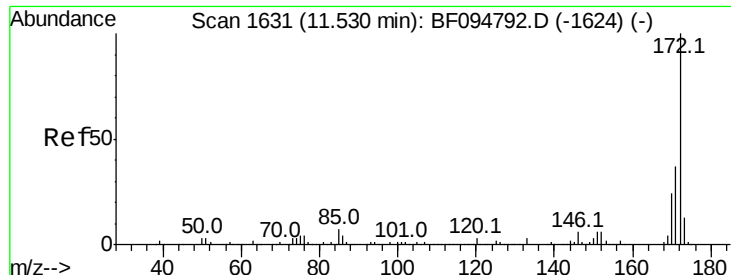


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

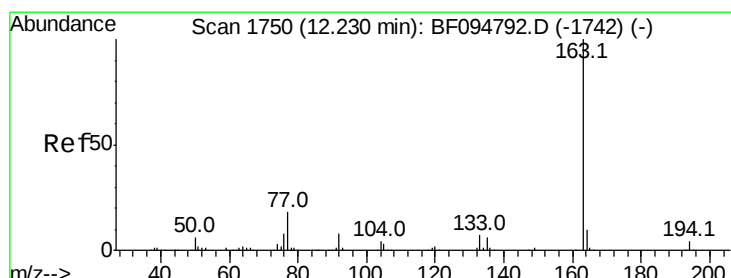
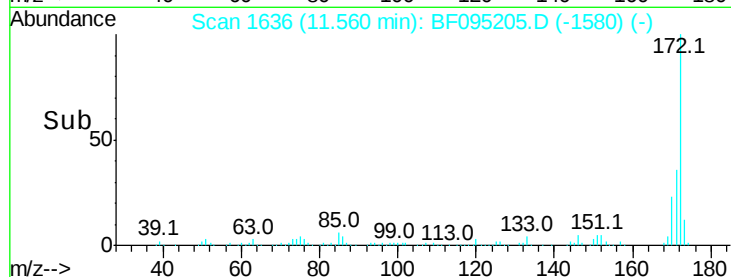
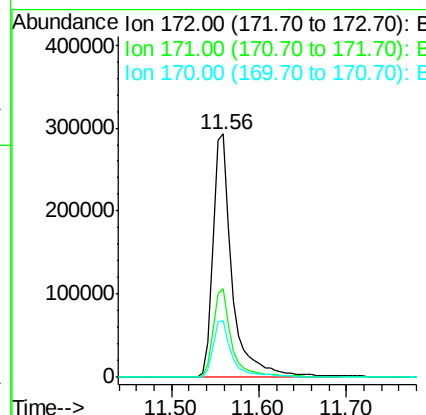
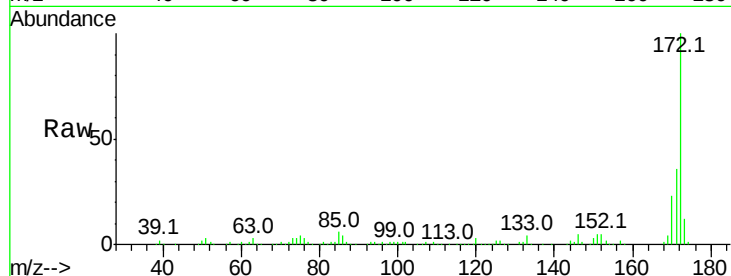




#44
 2-Fluorobiphenyl
 Concen: 42.60 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.03 min
 Lab File: BF095205.D
 Acq: 18 May 2017 2:01

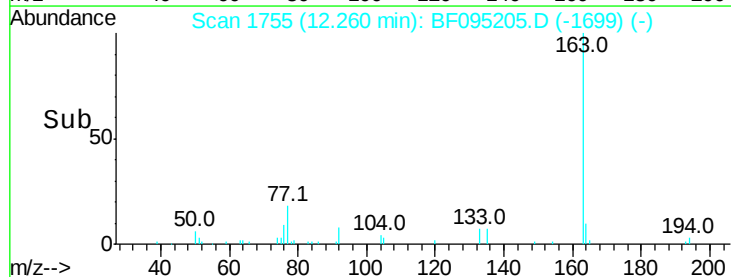
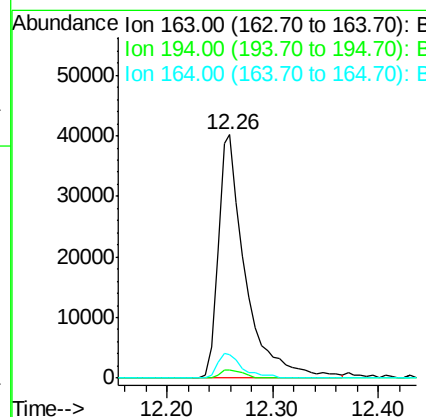
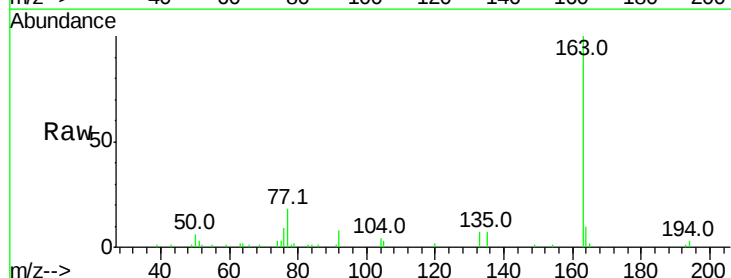
Instrument :
 BNA_F
 ClientSampleId :

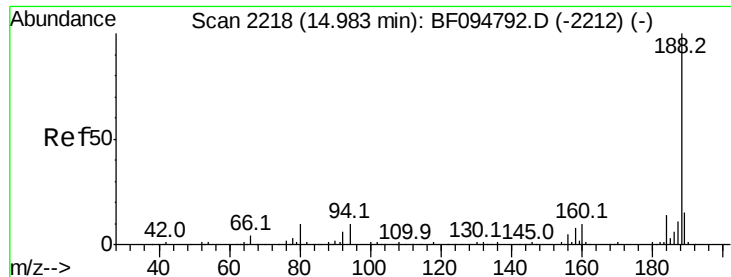
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.3	19.8	29.8



#49
 Dimethylphthalate
 Concen: 5.79 ng
 RT: 12.26 min Scan# 1755
 Delta R.T. 0.03 min
 Lab File: BF095205.D
 Acq: 18 May 2017 2:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.9	8.4	12.6

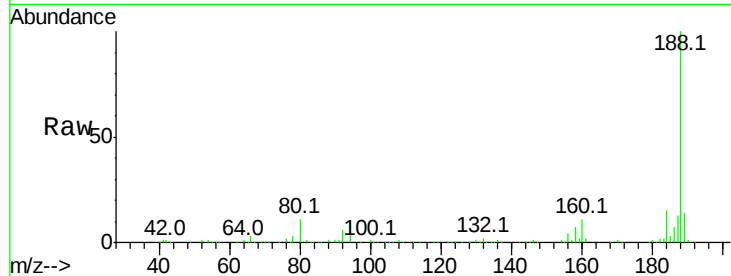




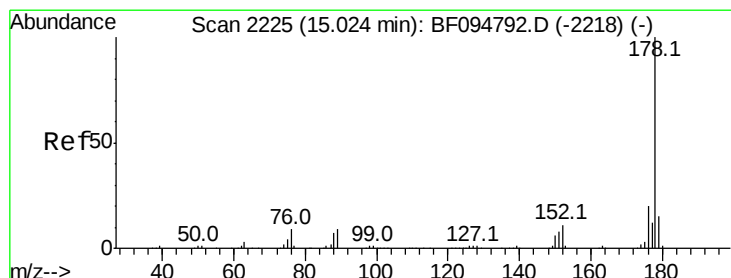
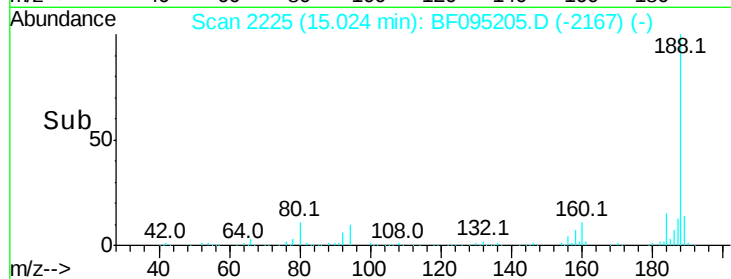
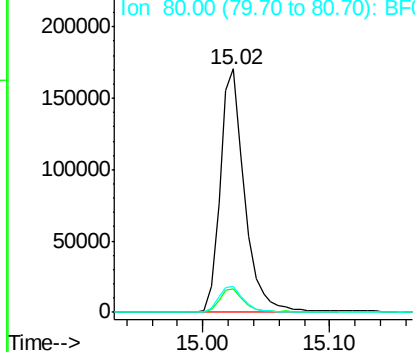
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2225
Delta R.T. 0.04 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 228330
Ion Ratio Lower Upper
188 100
94 9.7 9.4 14.2
80 10.8 10.2 15.2

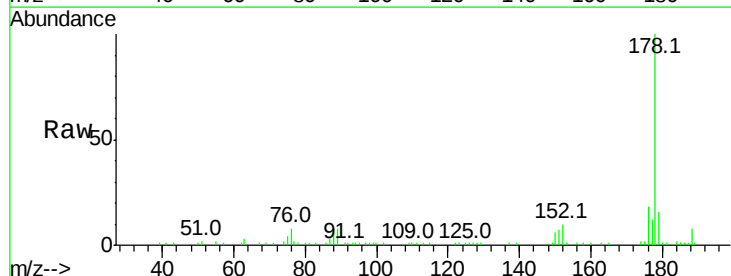


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

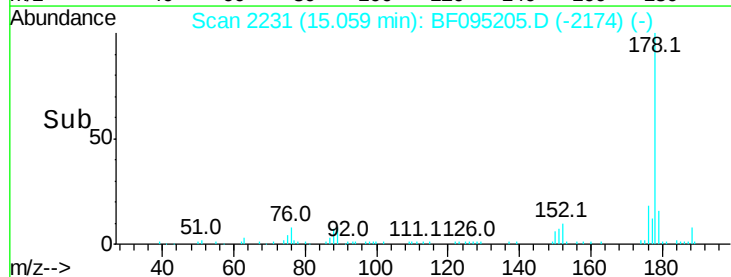
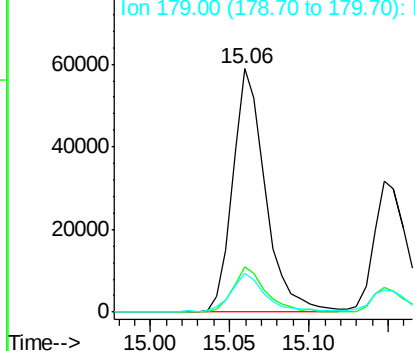


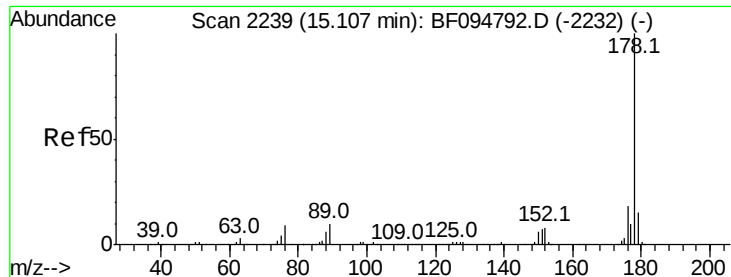
#70
Phenanthrene
Concen: 6.43 ng
RT: 15.06 min Scan# 2231
Delta R.T. 0.04 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

Tgt Ion:178 Resp: 84321
Ion Ratio Lower Upper
178 100
176 18.4 16.2 24.4
179 16.1 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

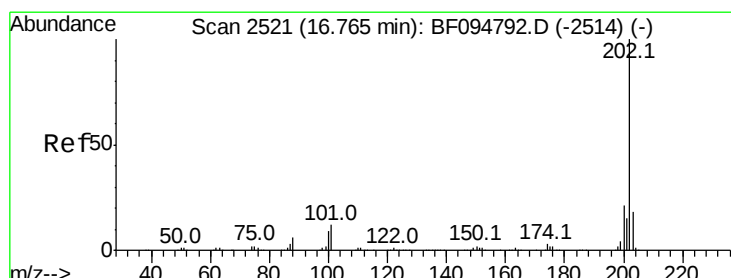
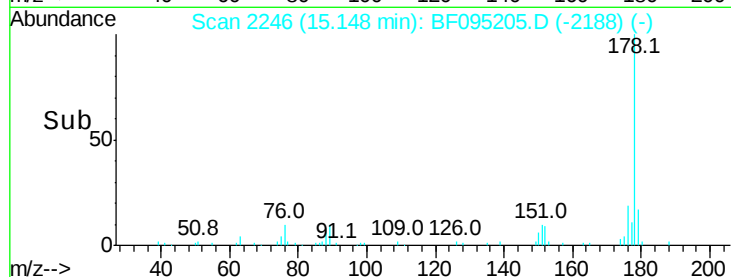
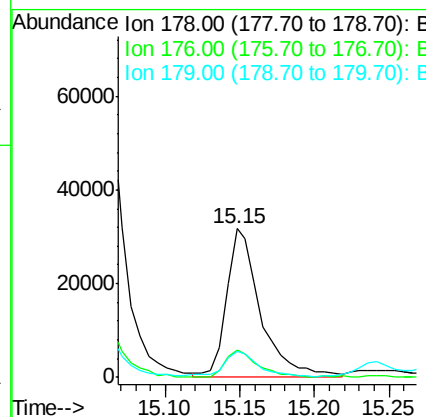
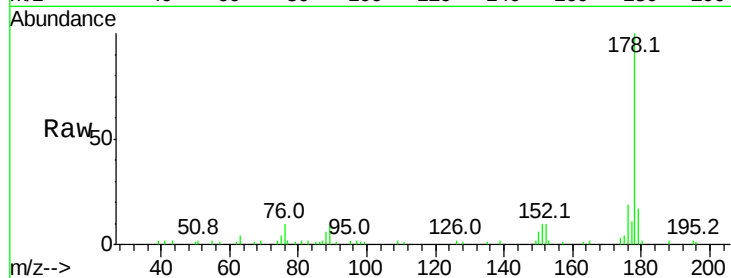




#71
 Anthracene
 Concen: 3.80 ng
 RT: 15.15 min Scan# 2246
 Delta R.T. 0.04 min
 Lab File: BF095205.D
 Acq: 18 May 2017 2:01

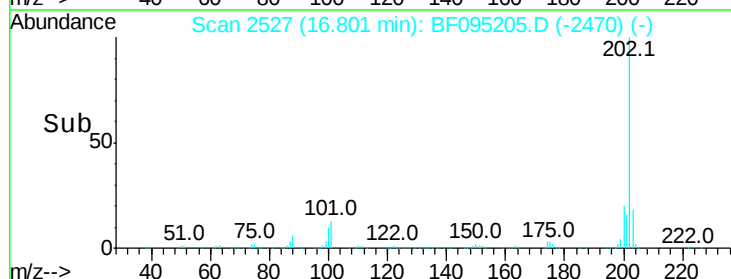
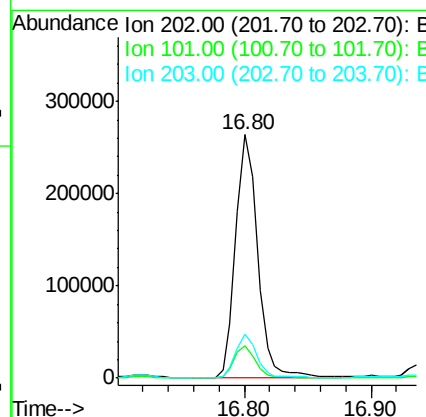
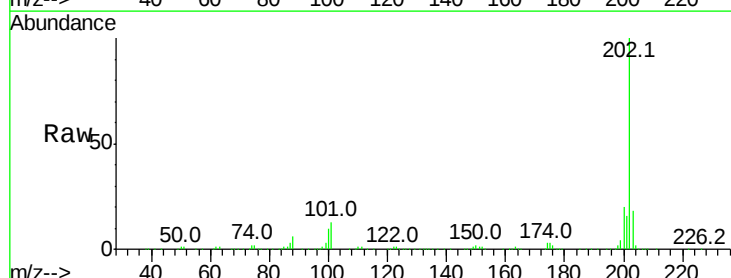
Instrument :
 BNA_F
 ClientSampleId :

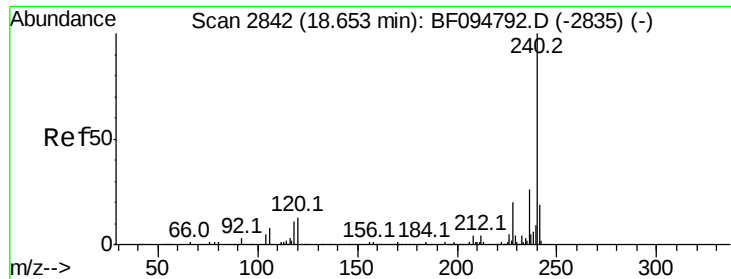
Tot Ion:178 Resp: 50930
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 17.2 12.7 19.1



#74
 Fluoranthene
 Concen: 23.78 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.04 min
 Lab File: BF095205.D
 Acq: 18 May 2017 2:01

Tgt Ion:202 Resp: 320011
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 33.2
 203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2849

Delta R.T. 0.04 min

Lab File: BF095205.D

Acq: 18 May 2017 2:01

Instrument :

BNA_F

ClientSampleId :

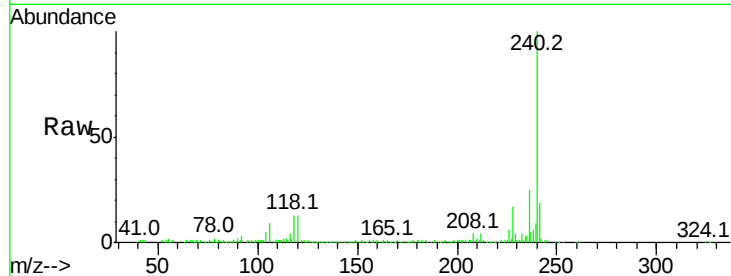
Tot Ion:240 Resp: 213092

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

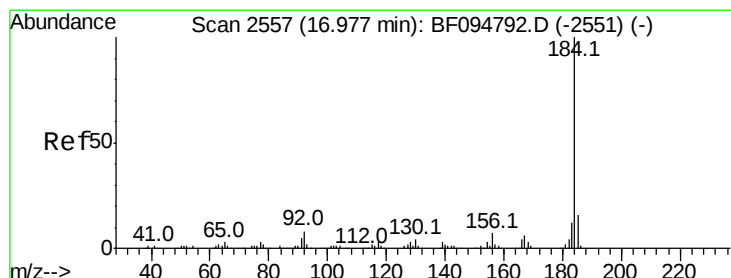
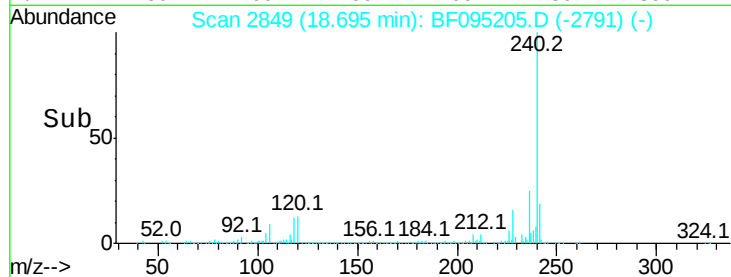
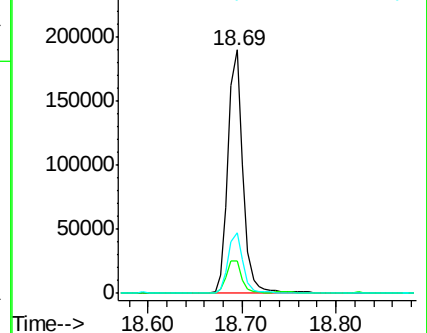
236 24.7 20.5 30.7



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



#76

Benzidine

Concen: 6.61 ng

RT: 16.89 min Scan# 2542

Delta R.T. -0.09 min

Lab File: BF095205.D

Acq: 18 May 2017 2:01

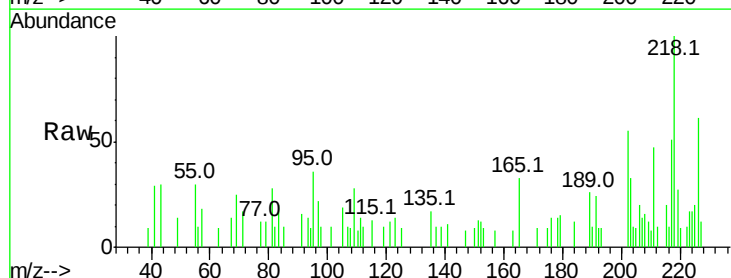
Tgt Ion:184 Resp: 157

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

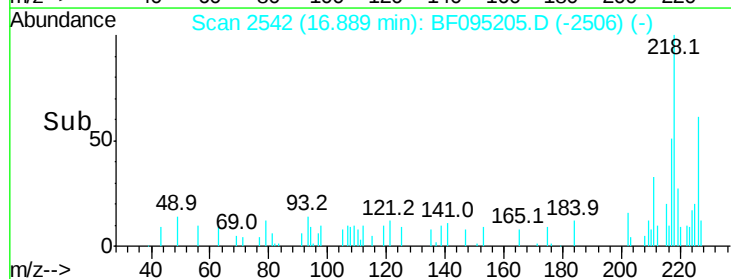
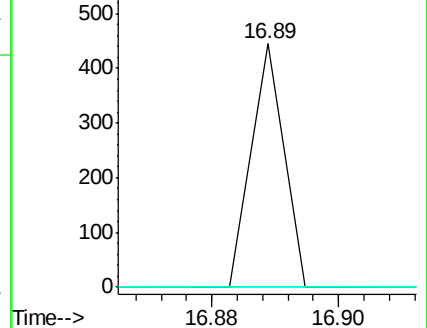
183 0.0 9.8 14.6#

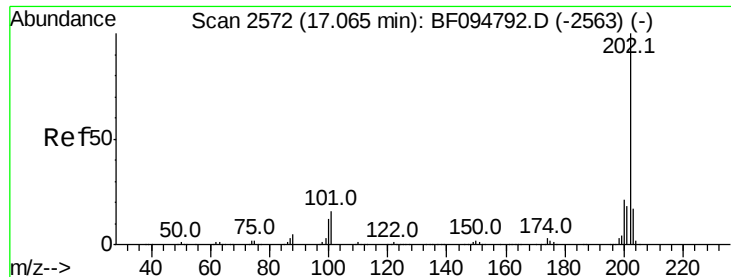


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

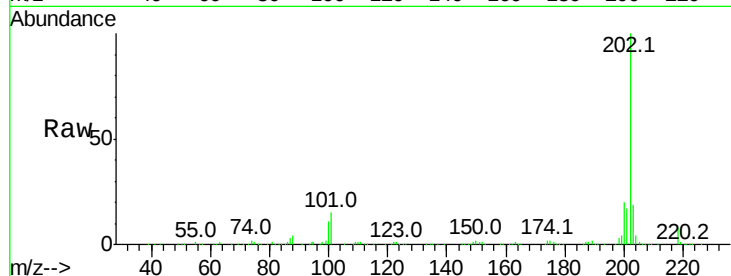




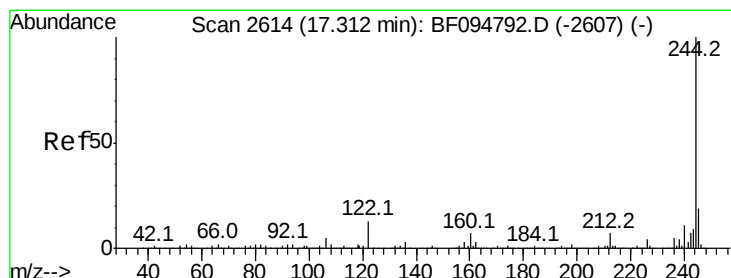
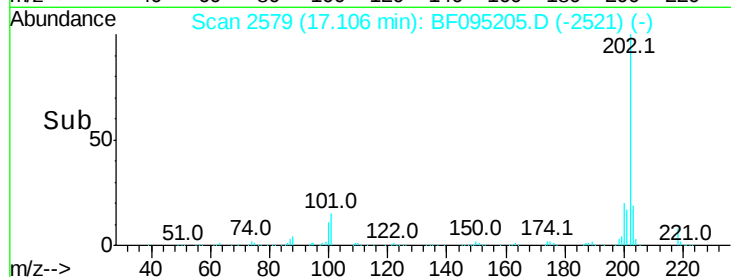
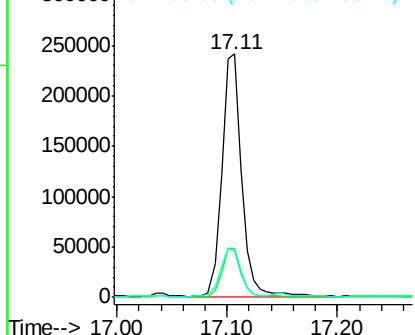
#77
Pvrene
Concen: 18.93 ng
RT: 17.11 min Scan# 2579
Delta R.T. 0.04 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 301633
Ion Ratio Lower Upper
202 100
200 20.1 17.6 26.4
203 19.0 14.4 21.6

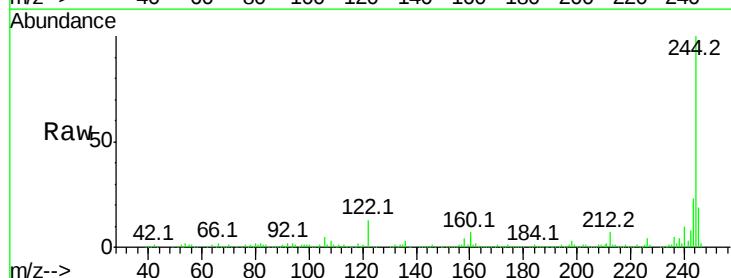


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

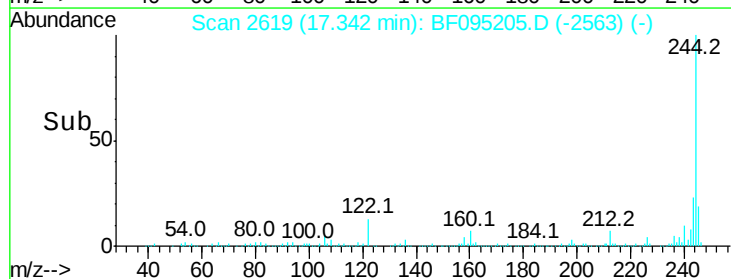
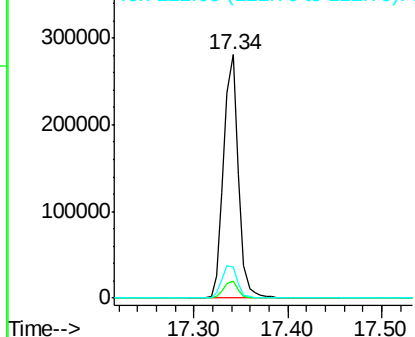


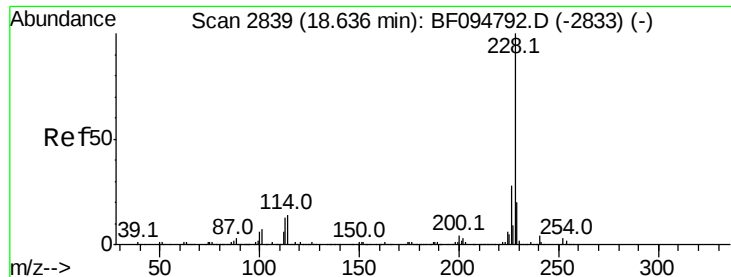
#78
Terphenyl-d14
Concen: 32.08 ng
RT: 17.34 min Scan# 2619
Delta R.T. 0.03 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

Tgt Ion:244 Resp: 310398
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 12.6 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

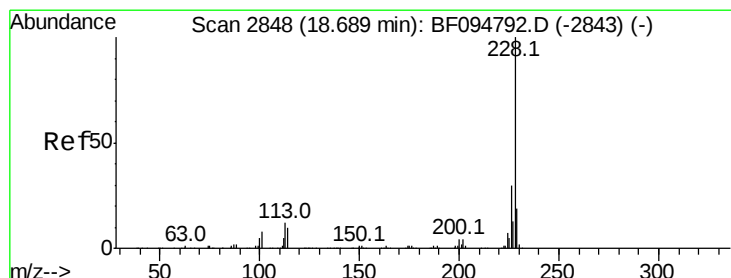
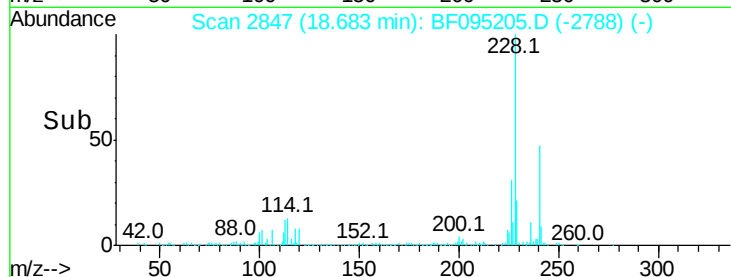
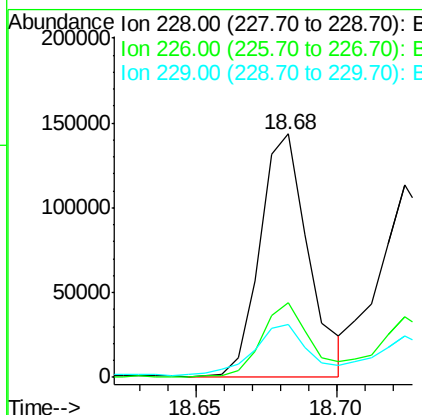
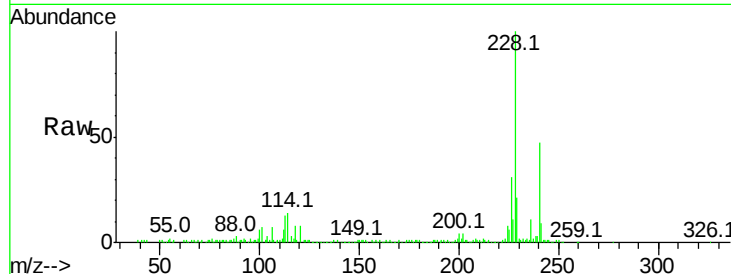




#80
Benzo(a)anthracene
Concen: 13.72 ng
RT: 18.68 min Scan# 2847
Delta R.T. 0.05 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

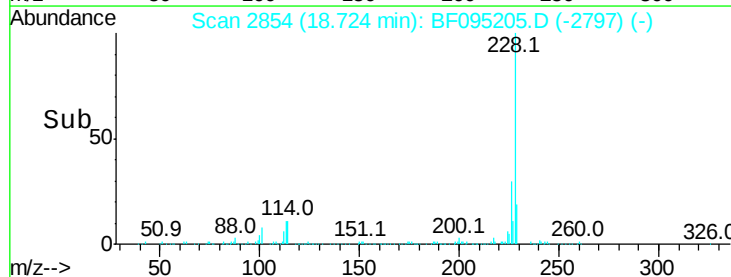
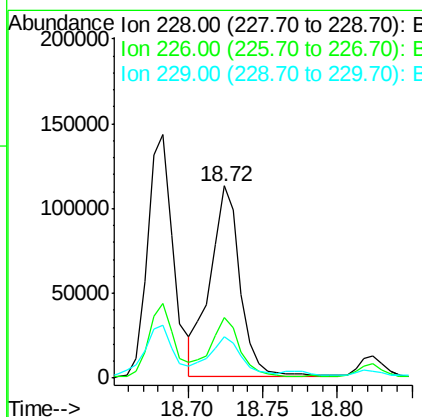
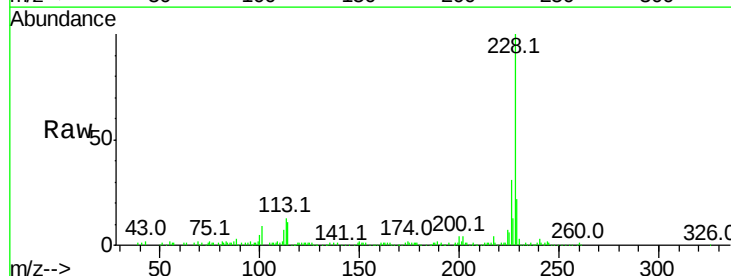
Instrument :
BNA_F
ClientSampleId :

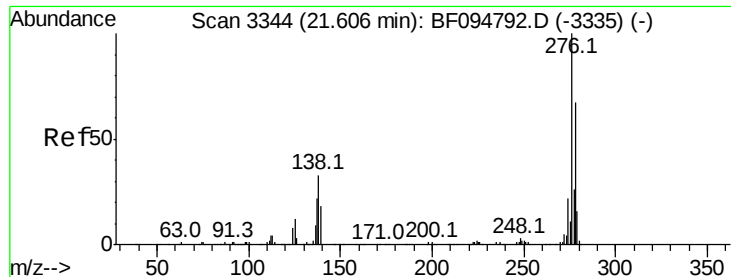
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	21.5	16.3	24.5



#82
Chrysene
Concen: 13.32 ng
RT: 18.72 min Scan# 2854
Delta R.T. 0.04 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	21.7	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.81 ng

RT: 21.71 min Scan# 3361

Delta R.T. 0.10 min

Lab File: BF095205.D

Acq: 18 May 2017 2:01

Instrument :

BNA_F

ClientSampleId :

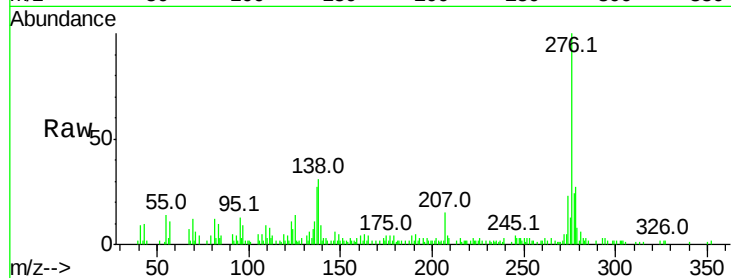
Tot Ion:276 Resp: 46888

Ion Ratio Lower Upper

276 100

138 30.1 27.8 41.6

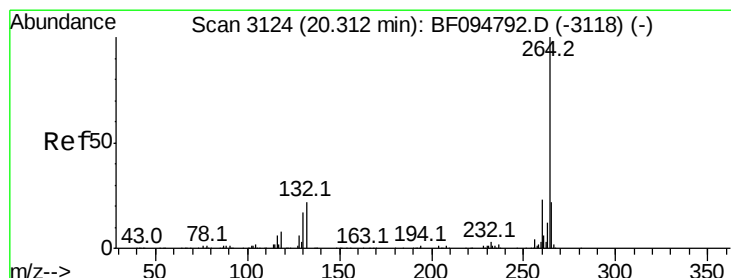
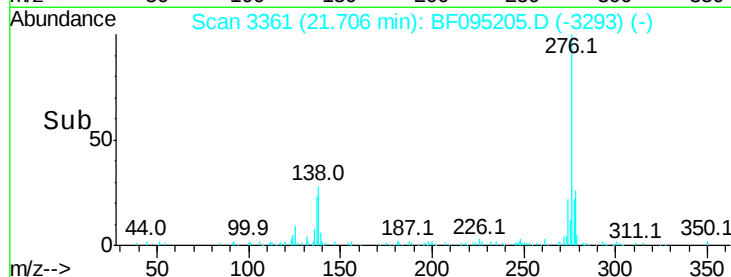
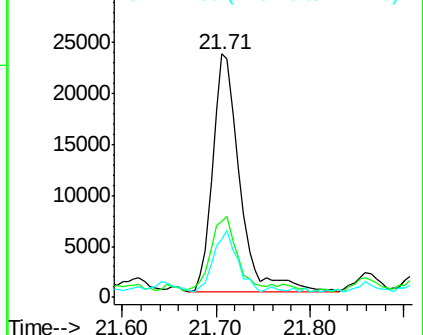
277 23.0 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.37 min Scan# 3134

Delta R.T. 0.06 min

Lab File: BF095205.D

Acq: 18 May 2017 2:01

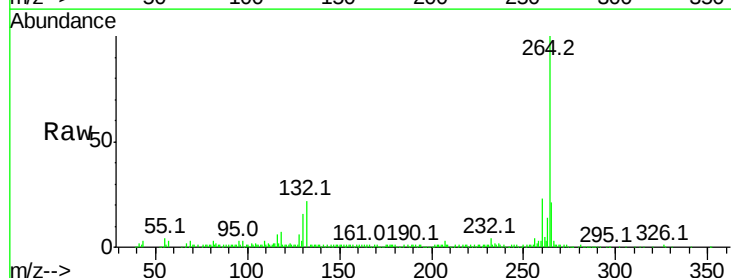
Tgt Ion:264 Resp: 165111

Ion Ratio Lower Upper

264 100

260 22.5 19.5 29.3

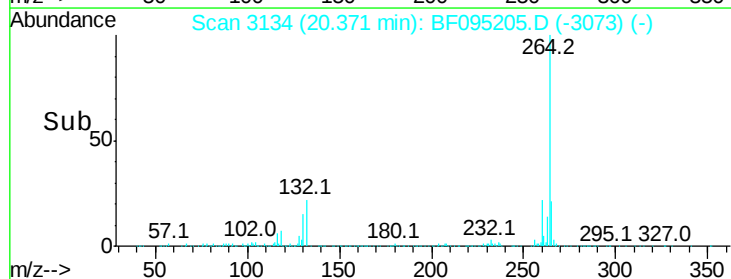
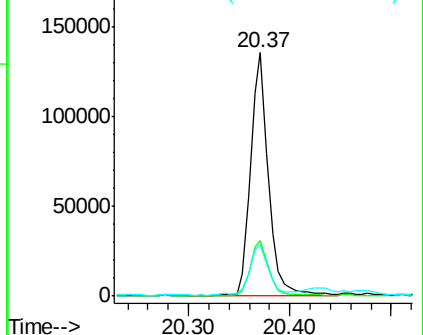
265 21.0 17.2 25.8

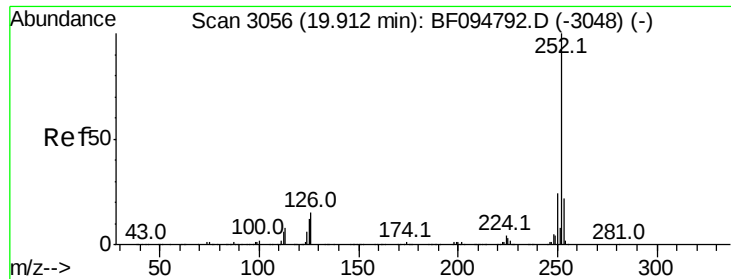


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

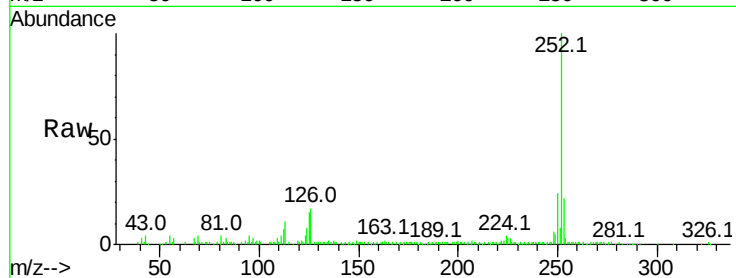




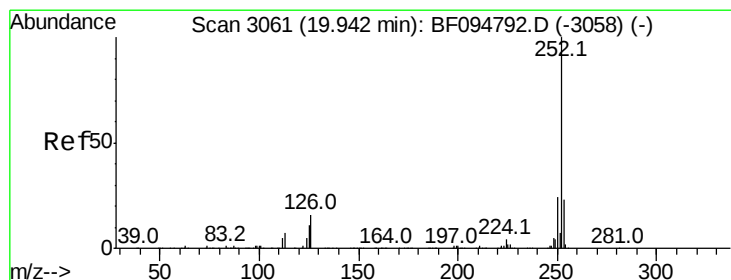
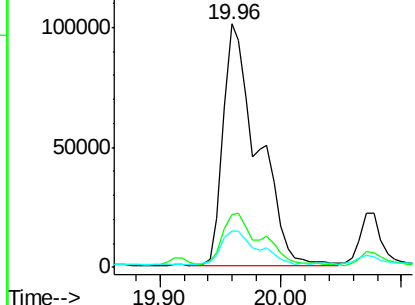
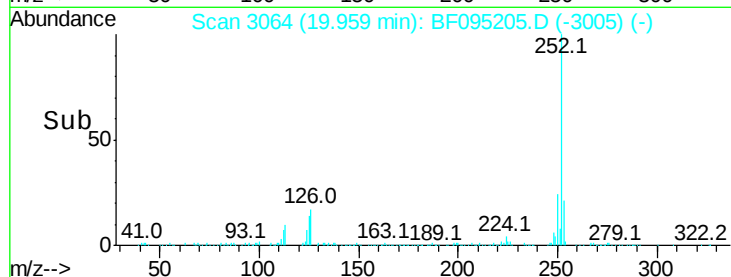
#87
Benzo(b)fluoranthene
Concen: 19.55 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.05 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	15.1	9.8	14.8

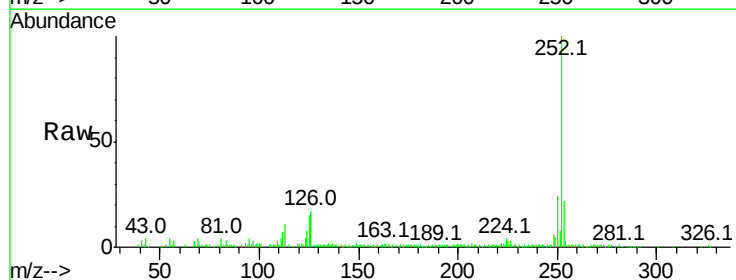


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

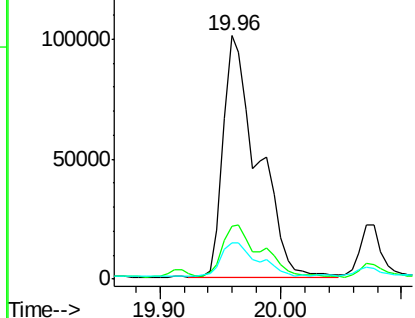
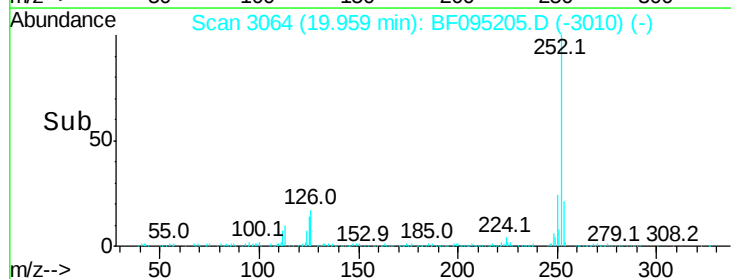


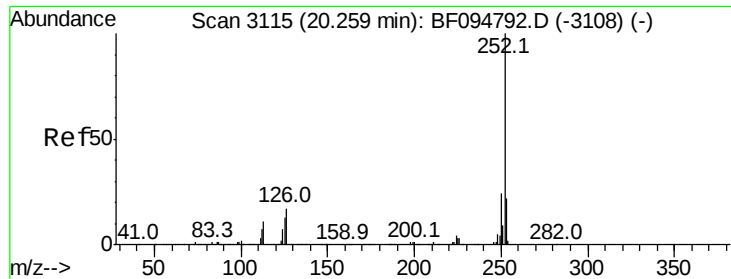
#88
Benzo(k)fluoranthene
Concen: 20.26 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.02 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.4	27.6
125	15.1	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

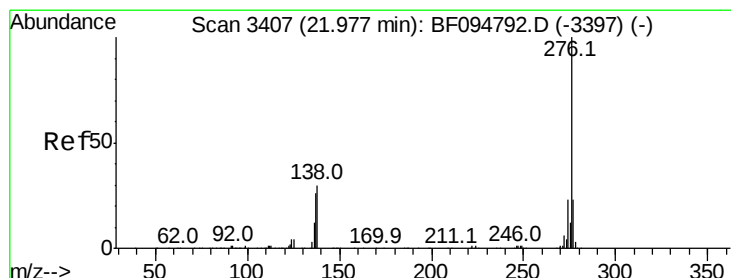
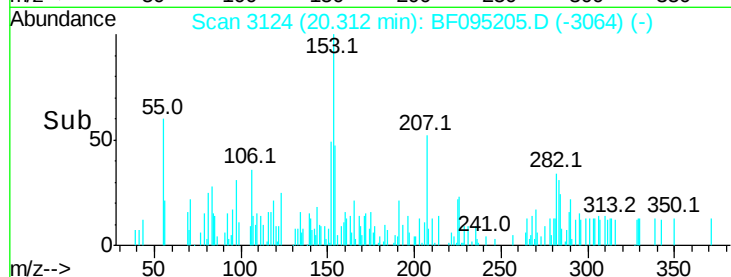
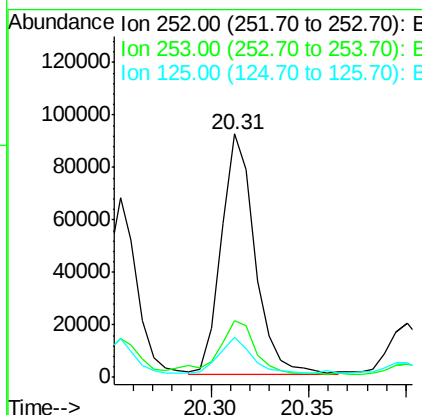
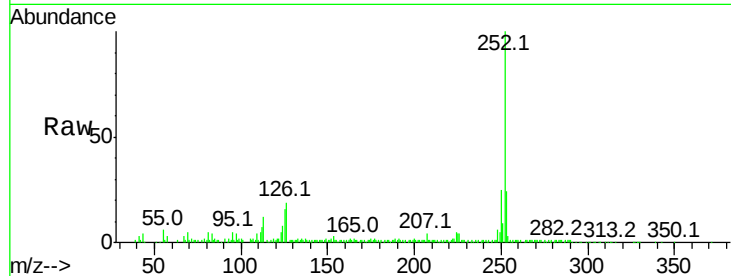




#89
Benzo(a)pyrene
Concen: 11.75 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.05 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 110603
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 16.4 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 5.18 ng
RT: 22.10 min Scan# 3428
Delta R.T. 0.12 min
Lab File: BF095205.D
Acq: 18 May 2017 2:01

Tgt Ion:276 Resp: 39557
Ion Ratio Lower Upper
276 100
277 30.2 18.6 28.0#
138 35.1 25.4 38.0

