

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095150.D
 Acq On : 16 May 2017 5:24
 Operator : SJ/MA
 Sample : I3140-14 20X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 06:03:40 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

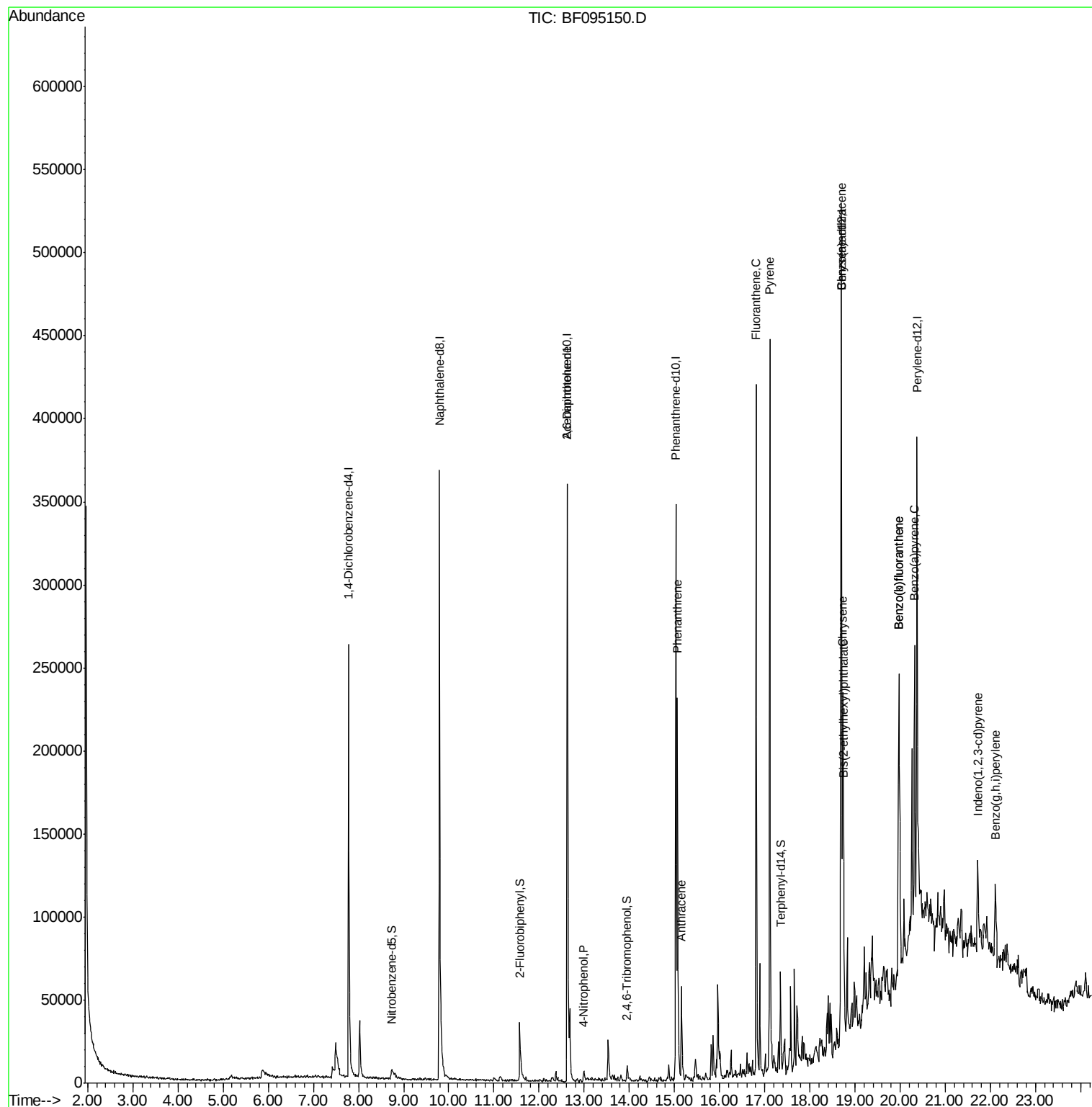
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	73039	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	289608	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	124043	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	185147	20.00	ng	0.05
75) Chrysene-d12	18.70	240	177000	20.00	ng	0.05
86) Perylene-d12	20.38	264	136728	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.88	112	7772	1.77	ng	0.20
7) Phenol-d6	7.42	99	5737	1.09	ng	0.15
23) Nitrobenzene-d5	8.74	82	9819	2.14	ng	0.10
41) 2,4,6-Tribromophenol	13.95	330	3093	3.04	ng	0.07
44) 2-Fluorobiphenyl	11.58	172	33828	3.93	ng	0.05
78) Terphenyl-d14	17.35	244	22467	2.80	ng	0.04
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	12.62	165	11304	5.44	ng	# 31
55) 4-Nitrophenol	13.00	139	2757	2.06	ng	# 25
70) Phenanthrene	15.07	178	140222	13.18	ng	97
71) Anthracene	15.15	178	41160	3.79	ng	95
74) Fluoranthene	16.81	202	241914	22.17	ng	100
77) Pyrene	17.11	202	215214	16.26	ng	97
80) Benzo(a)anthracene	18.69	228	105407	10.23	ng	97
82) Chrysene	18.73	228	103051	10.35	ng	98
83) Bis(2-ethylhexyl)phthalate	18.75	149	25294	2.88	ng	# 94
85) Indeno(1,2,3-cd)pyrene	21.72	276	34302	4.24	ng	90
87) Benzo(b)fluoranthene	19.97	252	135479	16.04	ng	# 97
88) Benzo(k)fluoranthene	19.97	252	135479	16.62	ng	99
89) Benzo(a)pyrene	20.32	252	73682	9.45	ng	# 95
91) Benzo(a,h,i)perylene	22.11	276	35896	5.68	ng	96

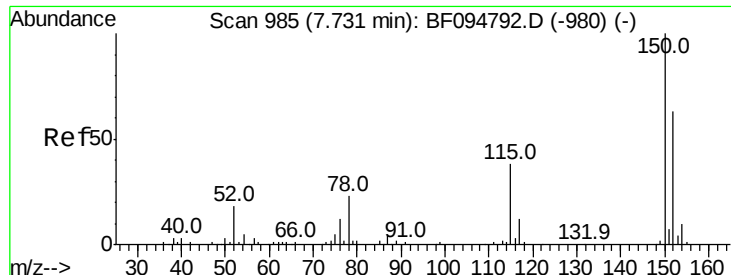
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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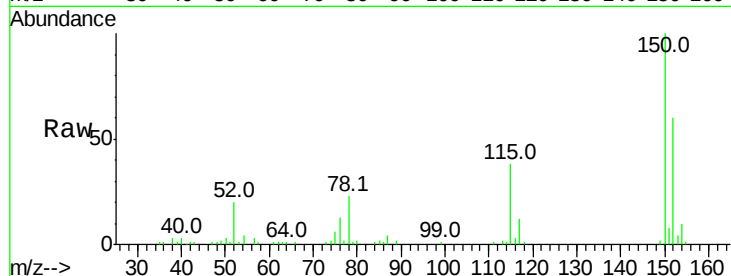


#1

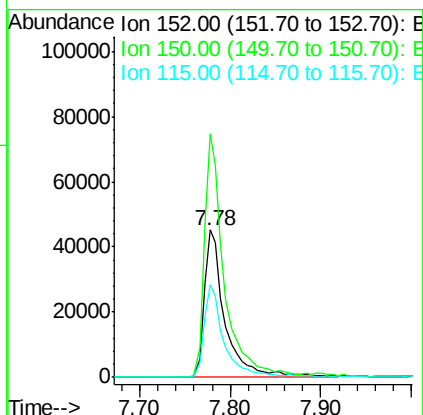
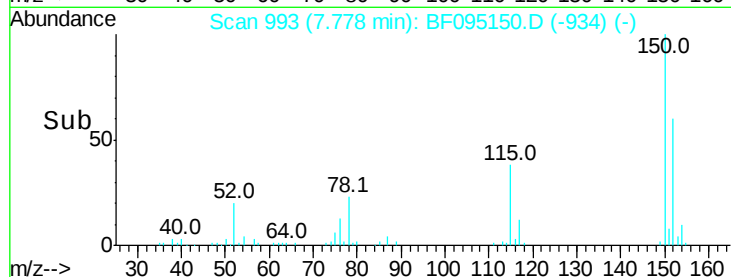
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095150.D
Acq: 16 May 2017 5:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 73039
Ion Ratio Lower Upper
152 100
150 165.4 126.2 189.2
115 63.2 52.2 78.2



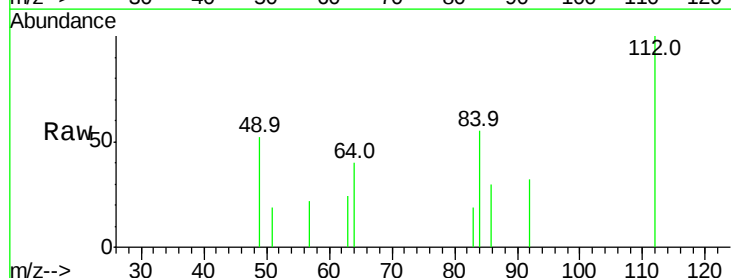
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



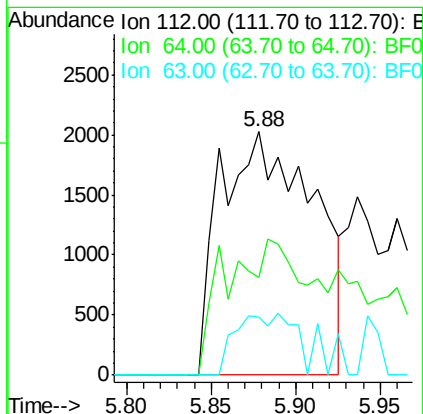
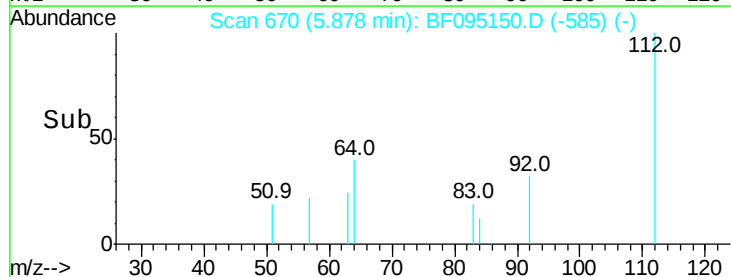
#5

2-Fluorophenol
Concen: 1.77 ng
RT: 5.88 min Scan# 670
Delta R.T. 0.20 min
Lab File: BF095150.D
Acq: 16 May 2017 5:24

Tgt Ion:112 Resp: 7772
Ion Ratio Lower Upper
112 100
64 39.9 46.0 69.0#
63 24.0 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: 1.09 ng

RT: 7.42 min Scan# 933

Delta R.T. 0.15 min

Lab File: BF095150.D

Acq: 16 May 2017 5:24

Instrument :

BNA_F

ClientSampleId :

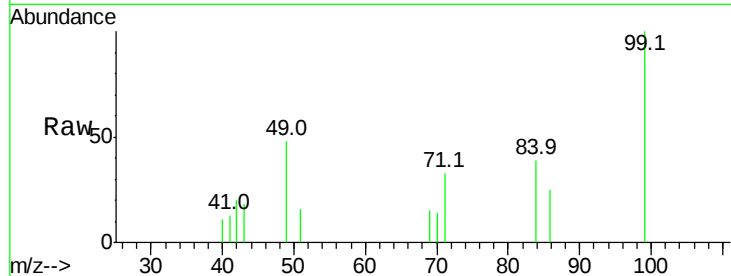
Tot Ion: 99 Resp: 5737

Ion Ratio Lower Upper

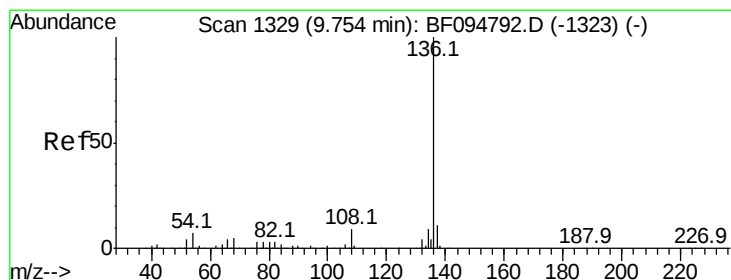
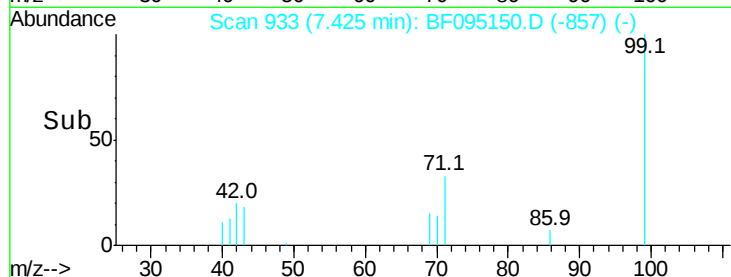
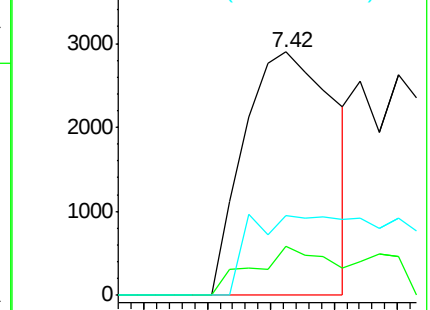
99 100

42 20.2 13.5 20.3

71 32.6 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.80 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF095150.D

Acq: 16 May 2017 5:24

Tgt Ion: 136 Resp: 289608

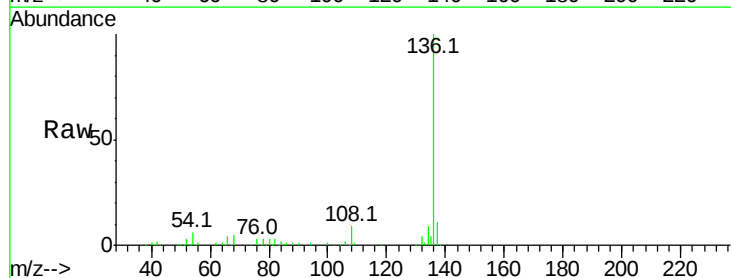
Ion Ratio Lower Upper

136 100

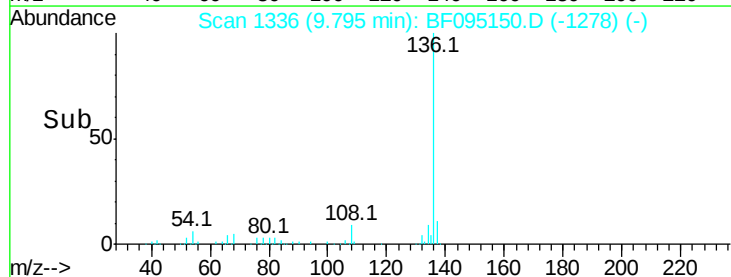
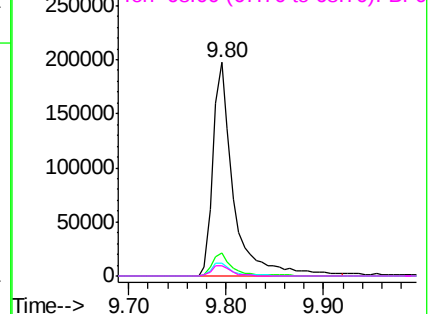
137 10.7 8.5 12.7

54 6.1 4.9 7.3

68 5.0 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

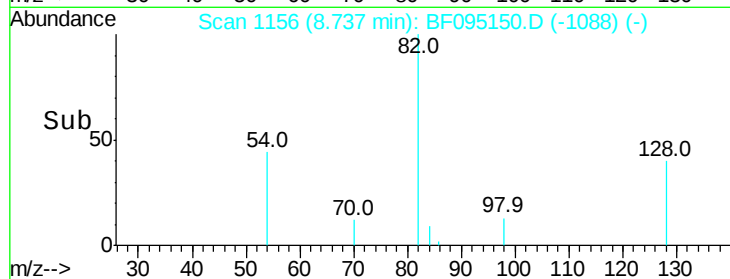
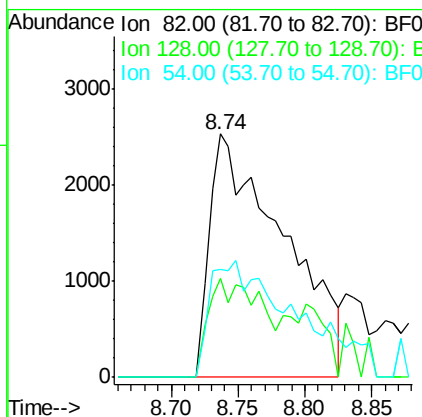
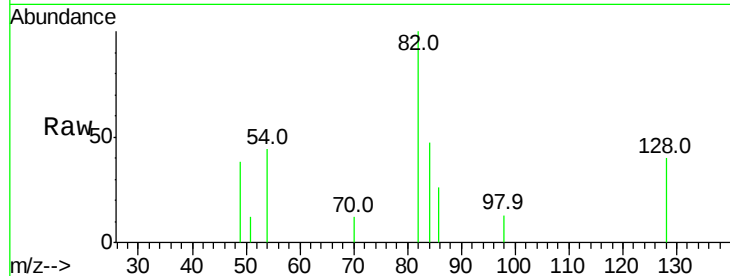




#23
 Nitrobenzene-d5
 Concen: 2.14 ng
 RT: 8.74 min Scan# 1156
 Delta R.T. 0.10 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

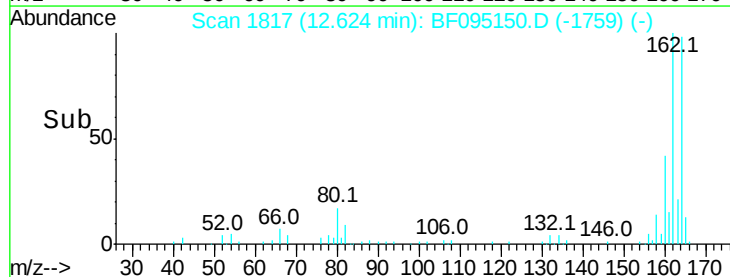
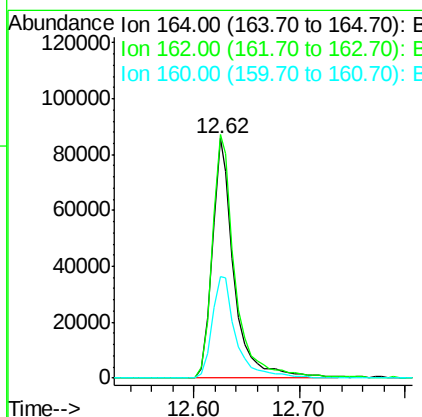
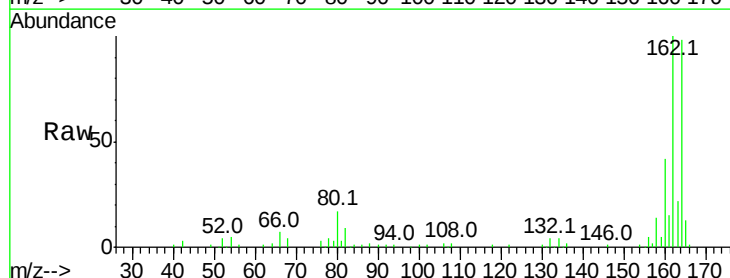
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 9819
 Ion Ratio Lower Upper
 82 100
 128 40.4 34.0 51.0
 54 44.3 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: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion:164 Resp: 124043
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.6 123.8
 160 42.4 36.2 54.2

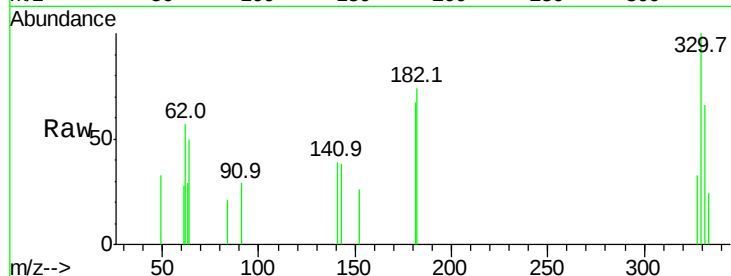




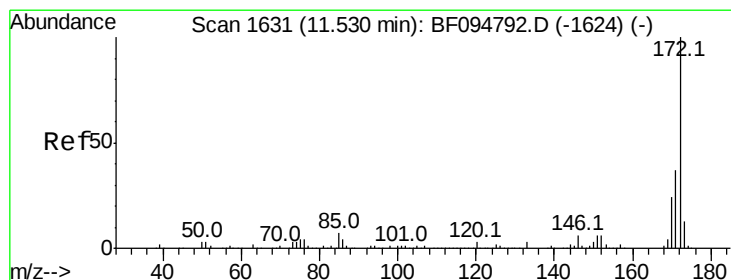
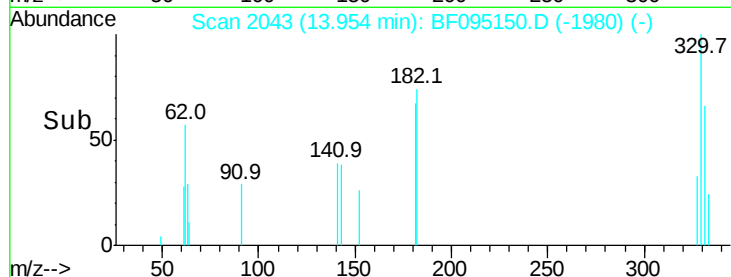
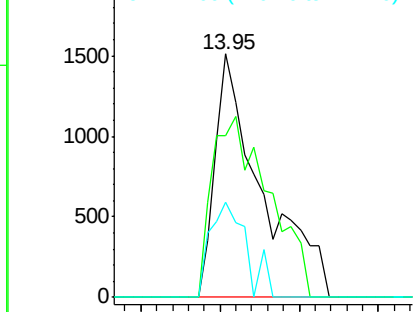
#41
 2,4,6-Tribromophenol
 Concen: 3.04 ng
 RT: 13.95 min Scan# 2043
 Delta R.T. 0.07 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 3093
 Ion Ratio Lower Upper
 330 100
 332 90.7 76.6 115.0
 141 30.4 31.4 47.2#

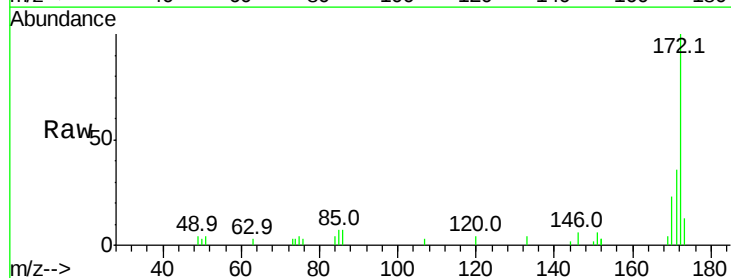


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

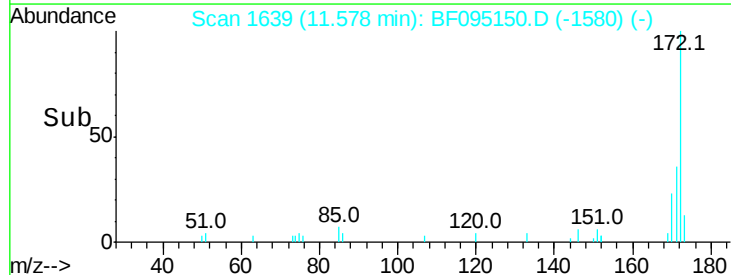
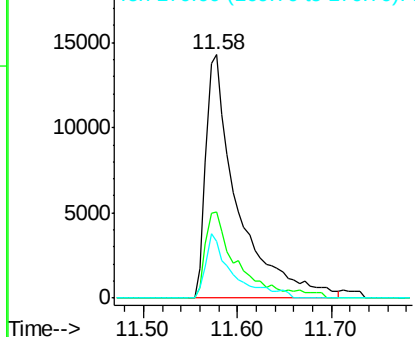


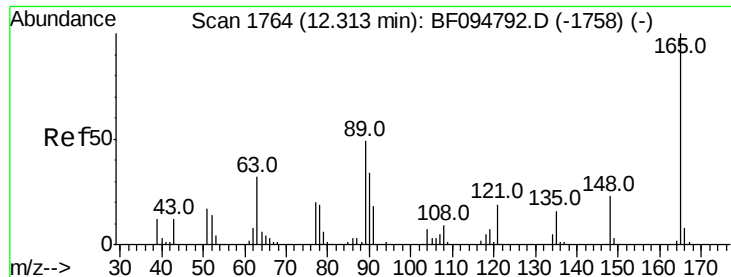
#44
 2-Fluorobiphenyl
 Concen: 3.93 ng
 RT: 11.58 min Scan# 1639
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion:172 Resp: 33828
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.1 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

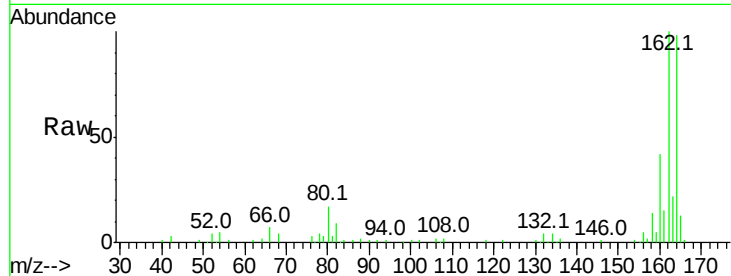




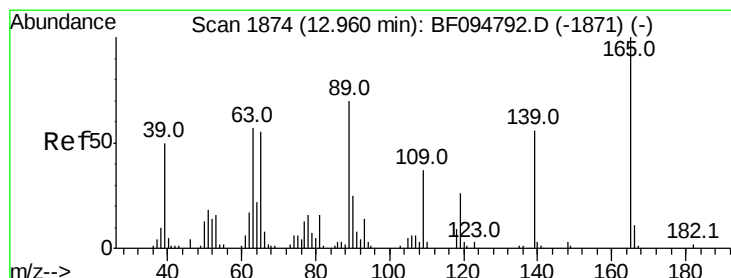
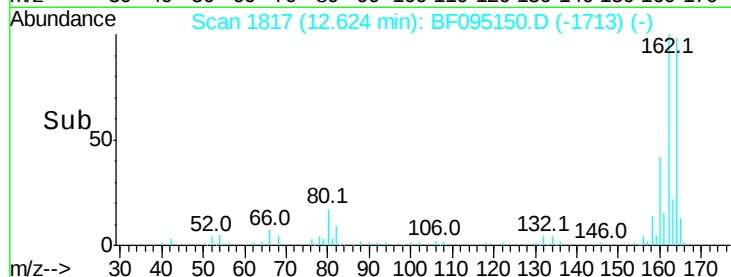
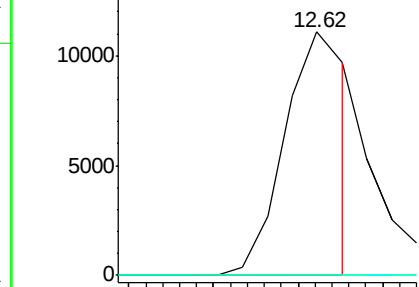
#50
 2,6-Dinitrotoluene
 Concen: 5.44 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.31 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

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#

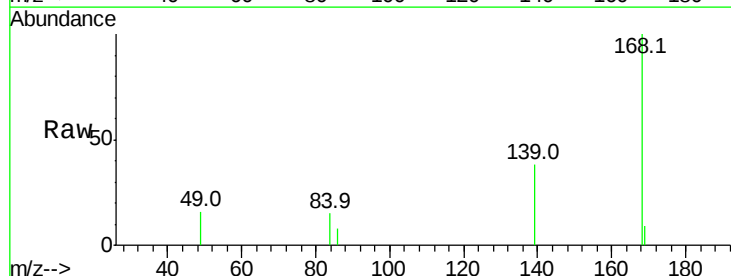


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

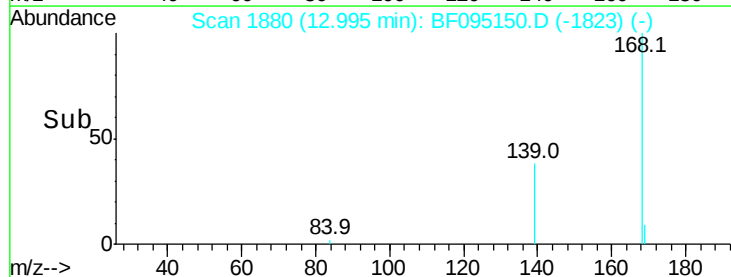
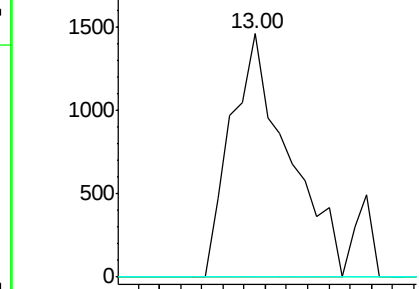


#55
 4-Nitrophenol
 Concen: 2.06 ng
 RT: 13.00 min Scan# 1880
 Delta R.T. 0.04 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

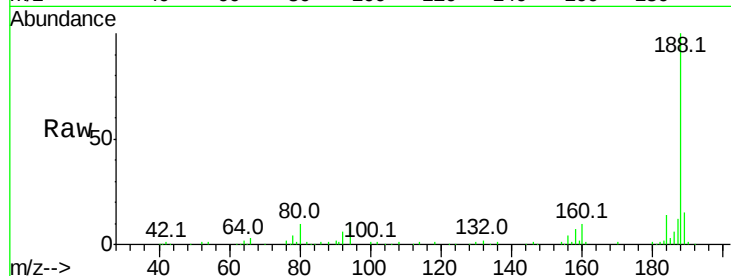




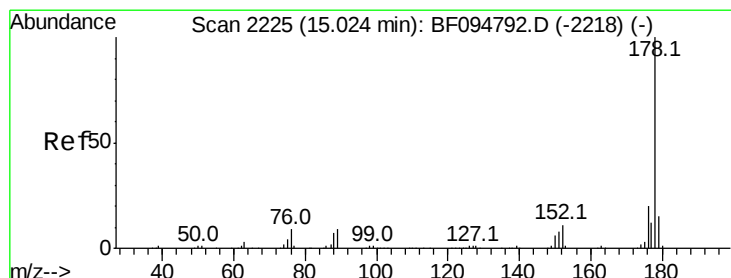
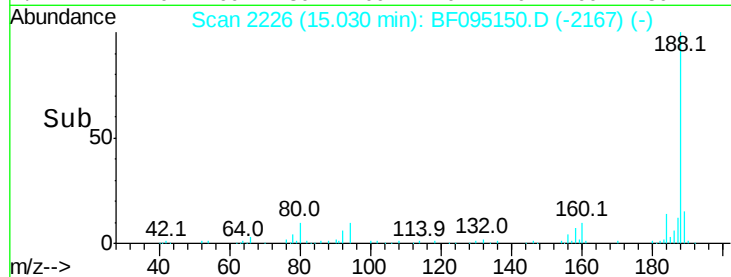
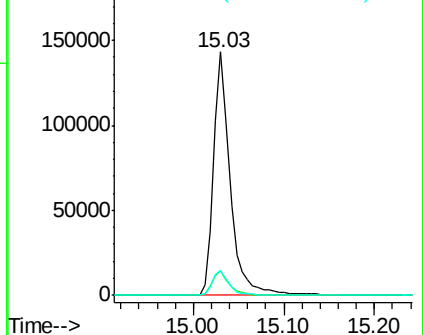
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.2	10.2	15.2

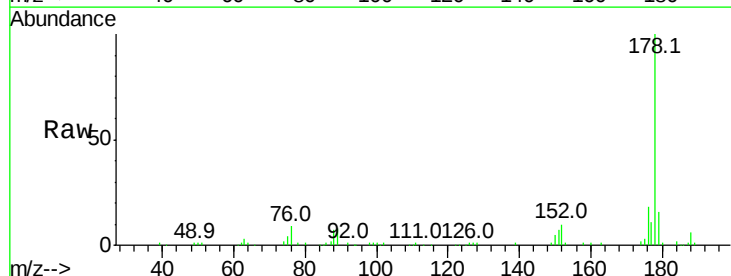


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

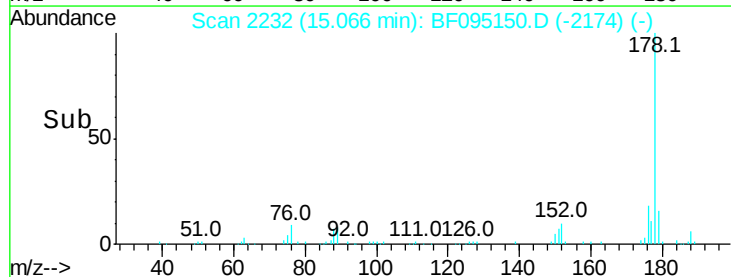
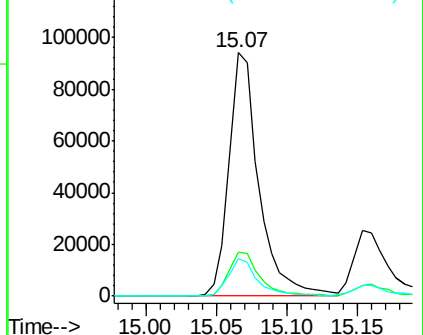


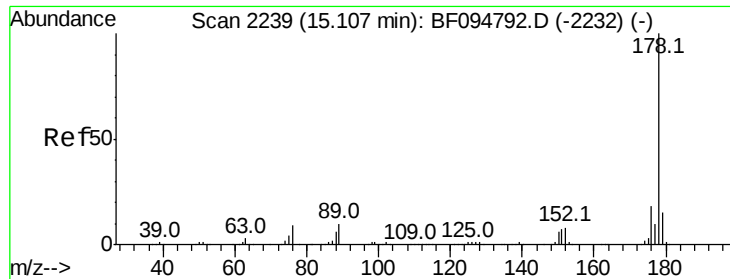
#70
 Phenanthrene
 Concen: 13.18 ng
 RT: 15.07 min Scan# 2232
 Delta R.T. 0.04 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.2	24.4
179	15.6	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

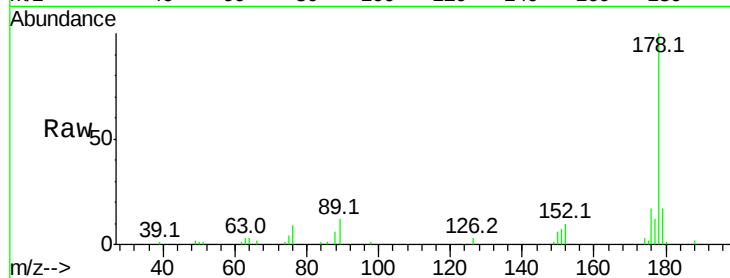




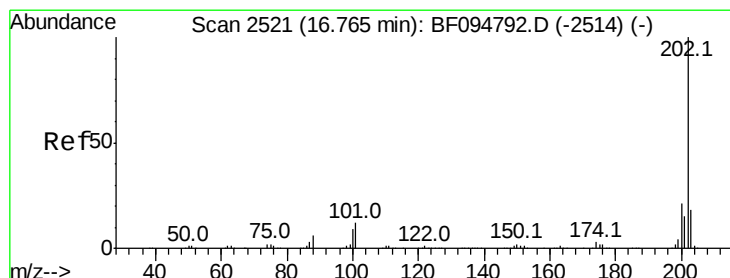
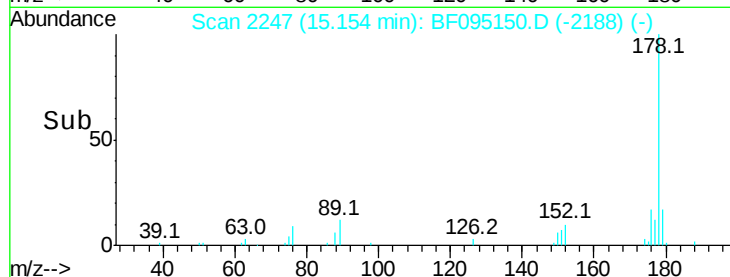
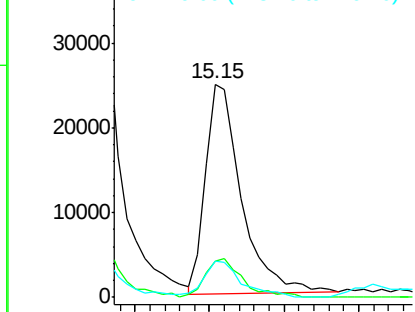
#71
 Anthracene
 Concen: 3.79 ng
 RT: 15.15 min Scan# 2247
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 41160
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.8 23.8
 179 17.2 12.7 19.1

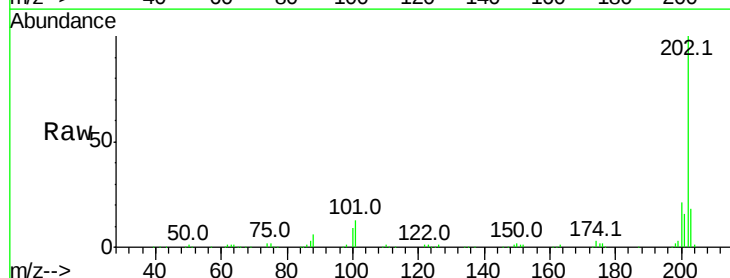


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

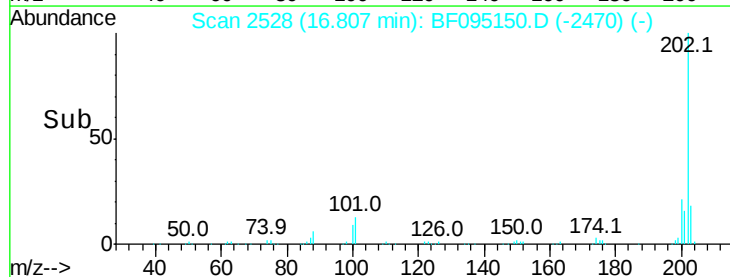
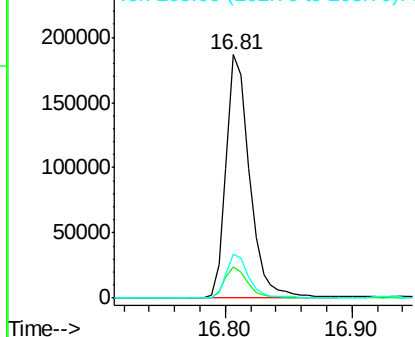


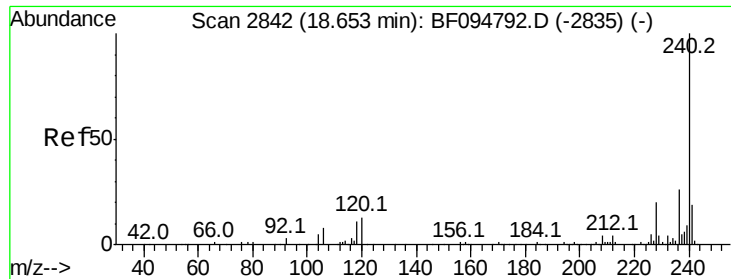
#74
 Fluoranthene
 Concen: 22.17 ng
 RT: 16.81 min Scan# 2528
 Delta R.T. 0.04 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion:202 Resp: 241914
 Ion Ratio Lower Upper
 202 100
 101 12.9 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

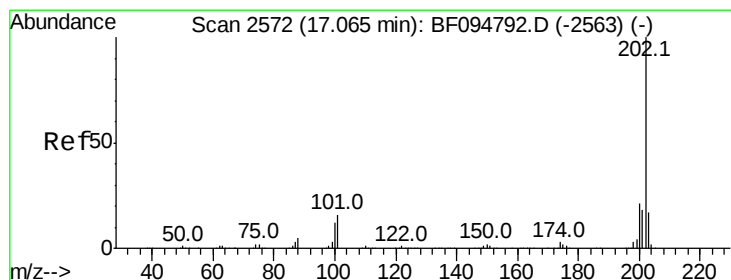
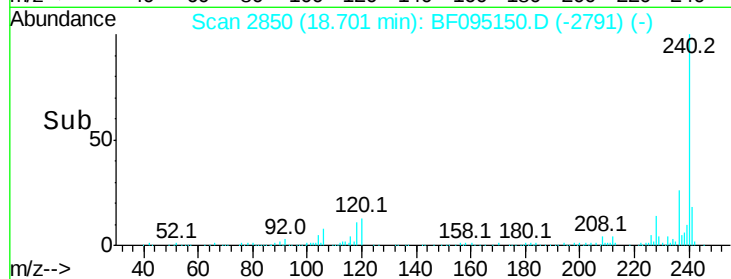
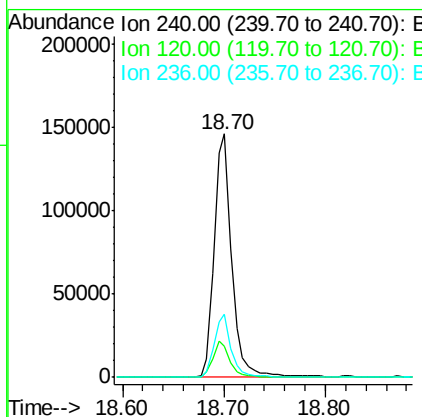
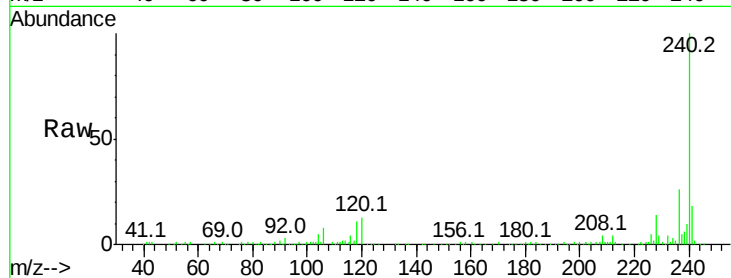




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

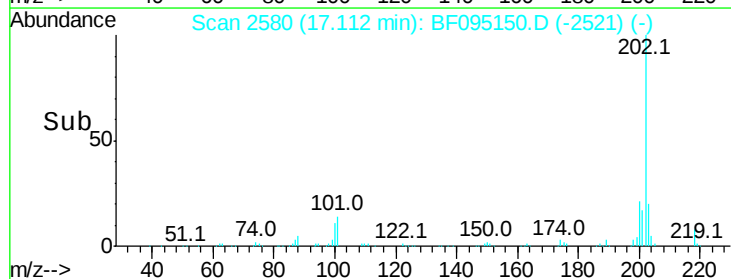
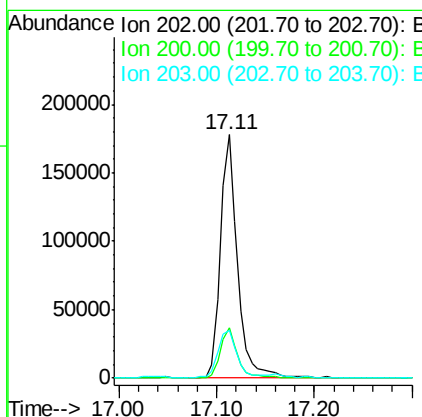
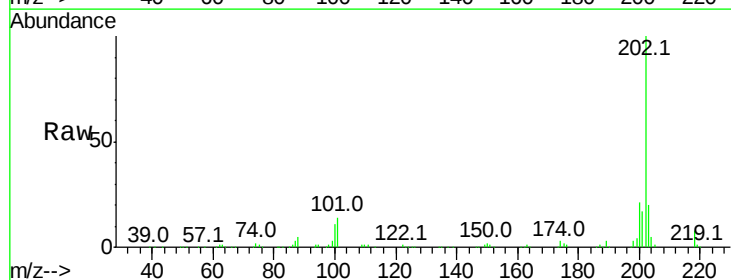
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 177000
 Ion Ratio Lower Upper
 240 100
 120 12.8 5.8 8.8#
 236 25.9 20.5 30.7



#77
 Pyrene
 Concen: 16.26 ng
 RT: 17.11 min Scan# 2580
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion:202 Resp: 215214
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.6 26.4
 203 19.7 14.4 21.6

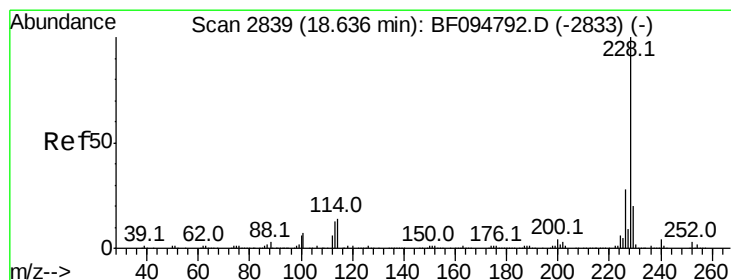
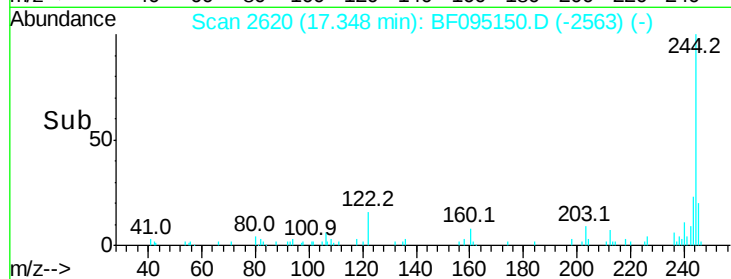
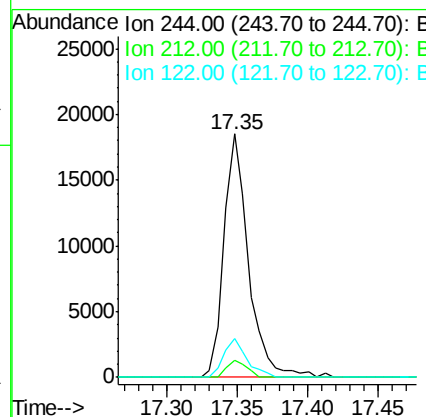
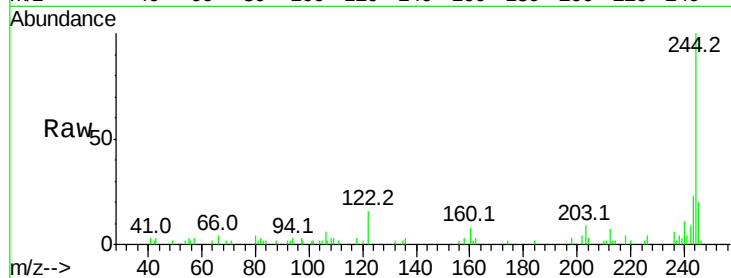




#78
 Terphenyl-d14
 Concen: 2.80 ng
 RT: 17.35 min Scan# 2620
 Delta R.T. 0.04 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

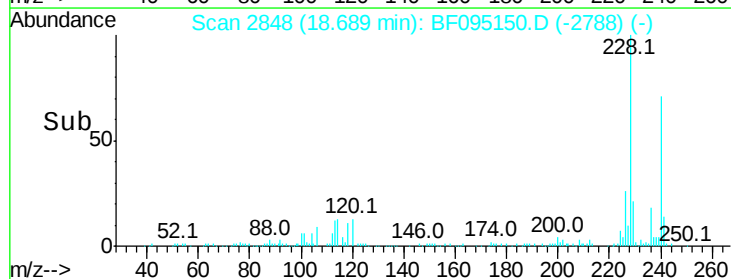
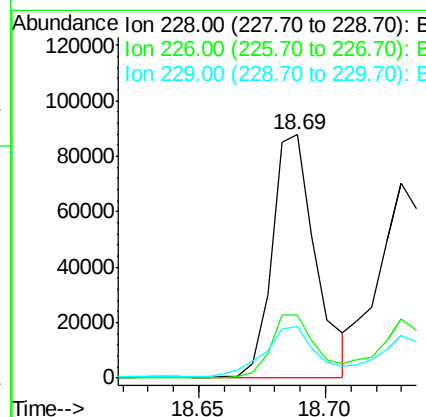
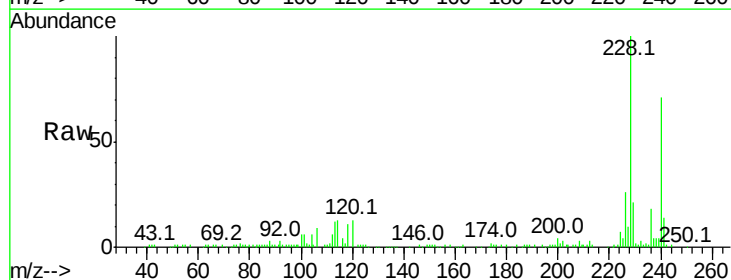
Instrument :
 BNA_F
 ClientSampled :

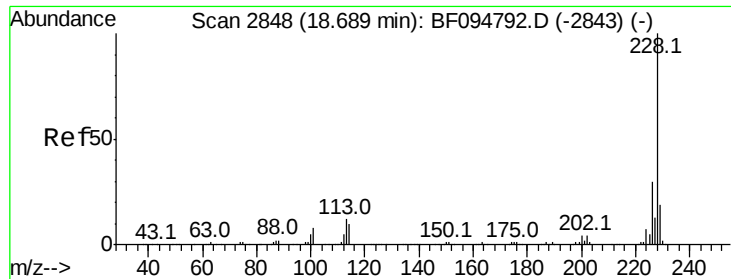
Tot Ion:244 Resp: 22467
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 16.2 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 10.23 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion:228 Resp: 105407
 Ion Ratio Lower Upper
 228 100
 226 26.0 22.6 33.8
 229 21.2 16.3 24.5





#82

Chrysene

Concen: 10.35 ng

RT: 18.73 min Scan# 2855

Delta R.T. 0.04 min

Lab File: BF095150.D

Acq: 16 May 2017 5:24

Instrument :

BNA_F

ClientSampled :

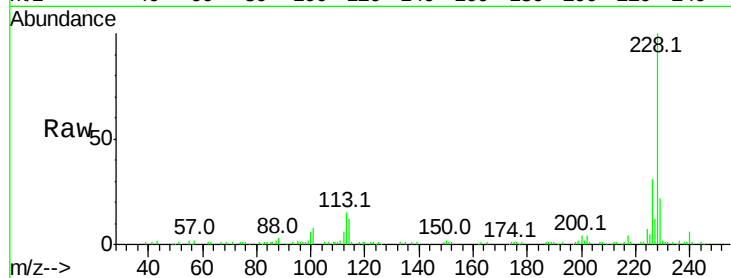
Tot Ion:228 Resp: 103051

Ion Ratio Lower Upper

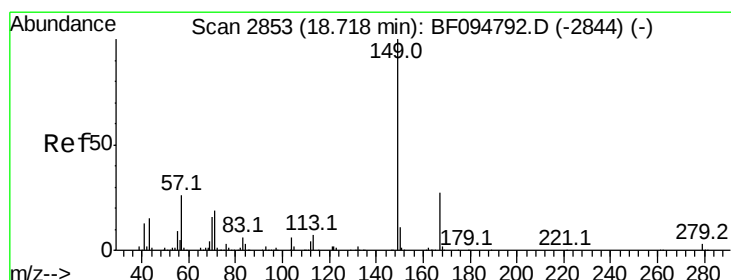
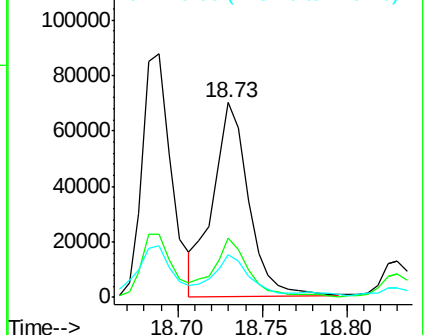
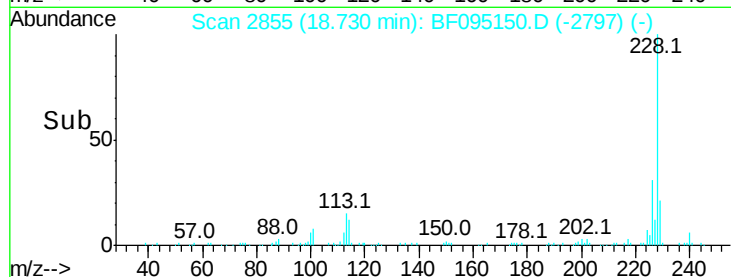
228 100

226 30.5 24.9 37.3

229 21.7 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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.88 ng

RT: 18.75 min Scan# 2859

Delta R.T. 0.04 min

Lab File: BF095150.D

Acq: 16 May 2017 5:24

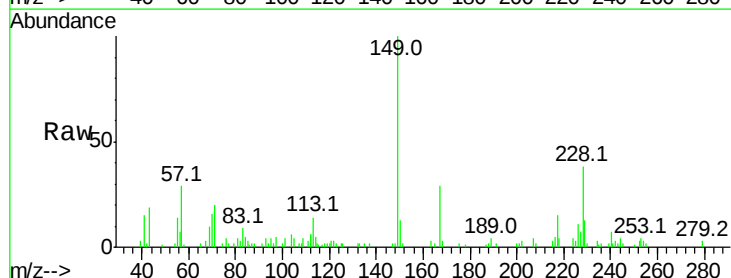
Tgt Ion:149 Resp: 25294

Ion Ratio Lower Upper

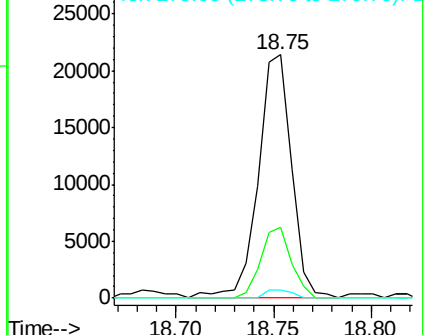
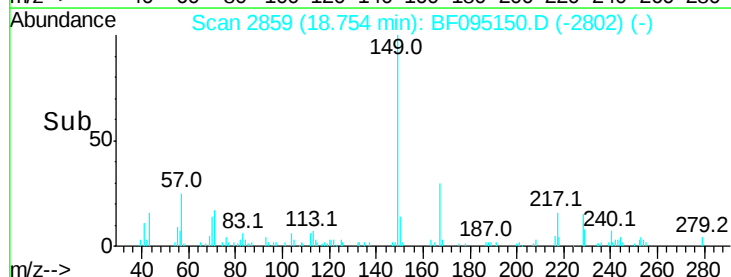
149 100

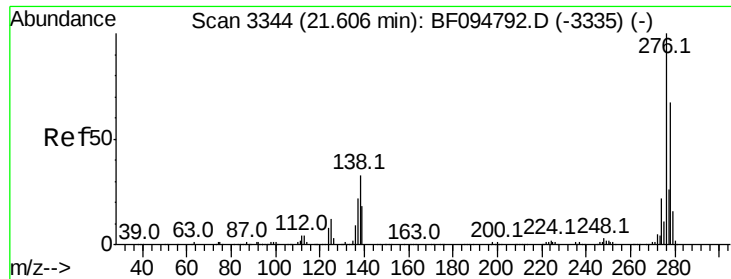
167 29.3 21.0 31.4

279 3.5 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

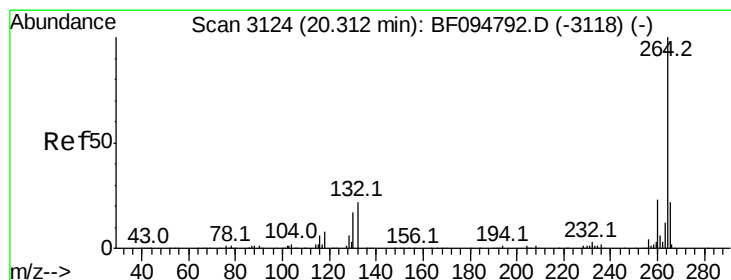
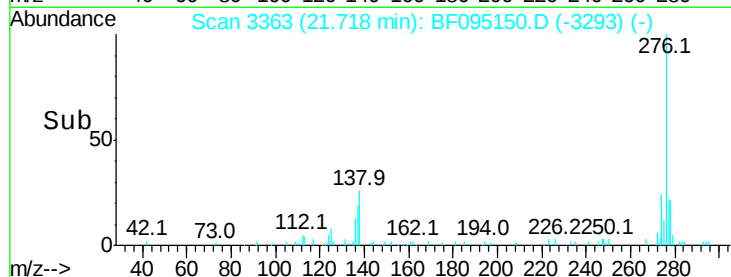
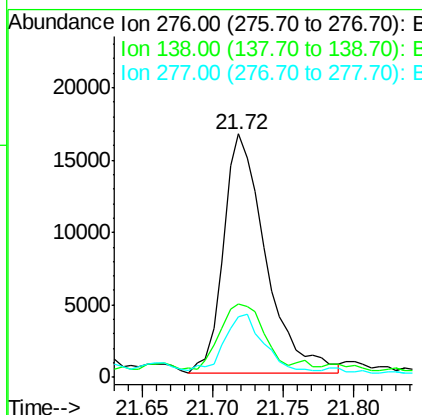
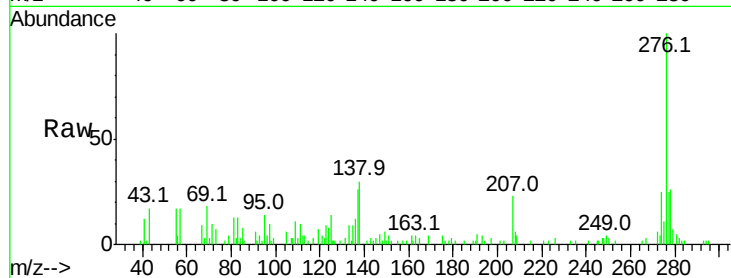




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.24 ng
 RT: 21.72 min Scan# 3363
 Delta R.T. 0.11 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

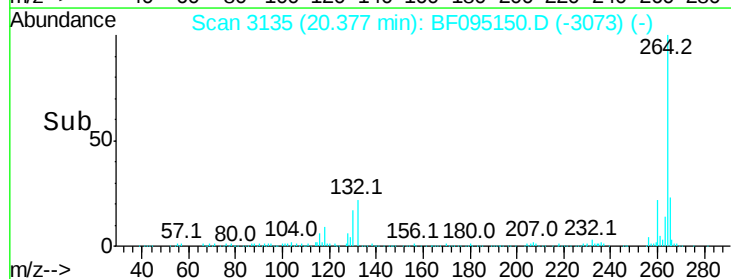
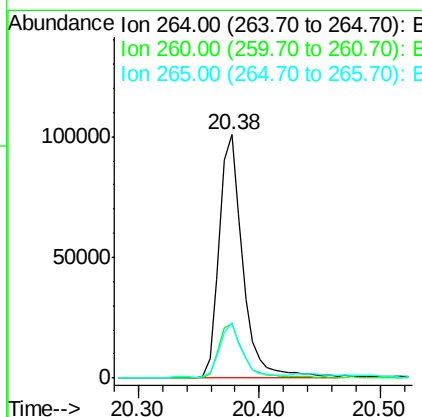
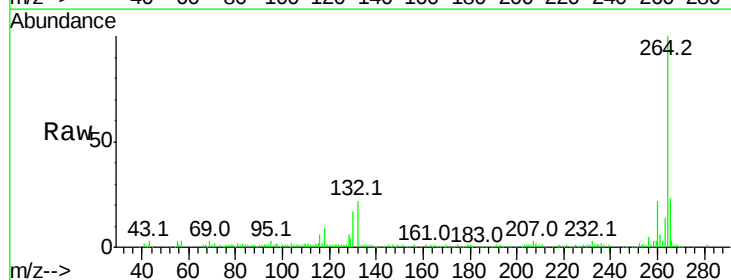
Instrument :
 BNA_F
 ClientSampleId :

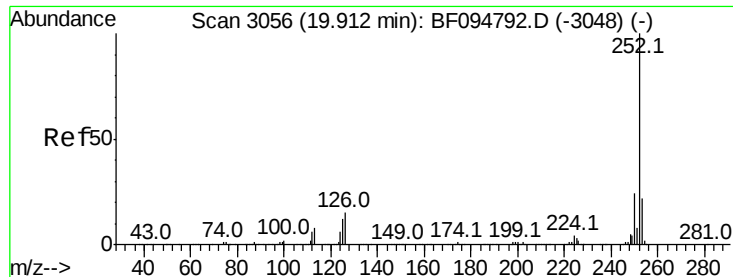
Tot Ion: 276 Resp: 34302
 Ion Ratio Lower Upper
 276 100
 138 28.2 27.8 41.6
 277 21.7 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.38 min Scan# 3135
 Delta R.T. 0.06 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion: 264 Resp: 136728
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.5 29.3
 265 22.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 16.04 ng

RT: 19.97 min Scan# 3066

Delta R.T. 0.06 min

Lab File: BF095150.D

Acq: 16 May 2017 5:24

Instrument :

BNA_F

ClientSampleId :

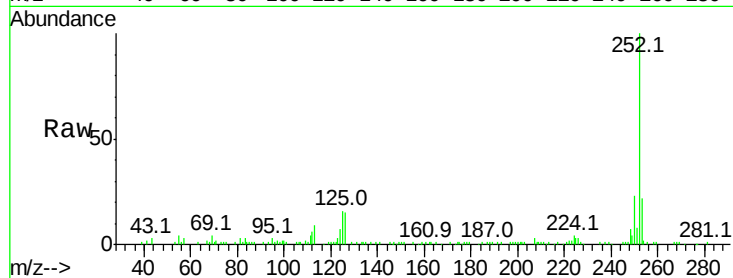
Tot Ion:252 Resp: 135479

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

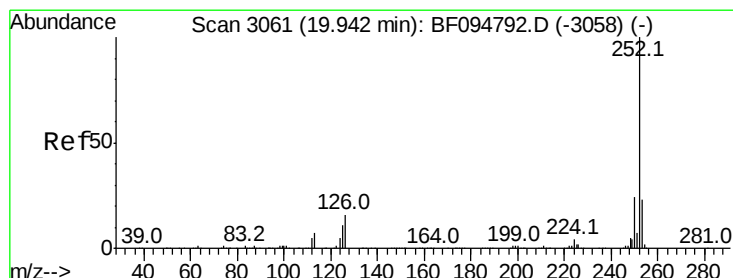
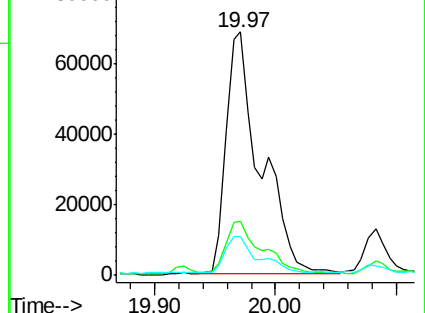
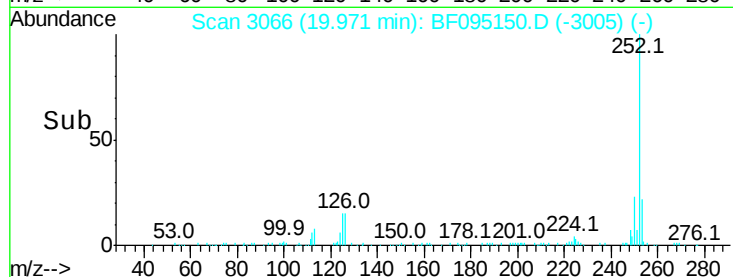
125 15.8 9.8 14.8#



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: 16.62 ng

RT: 19.97 min Scan# 3066

Delta R.T. 0.03 min

Lab File: BF095150.D

Acq: 16 May 2017 5:24

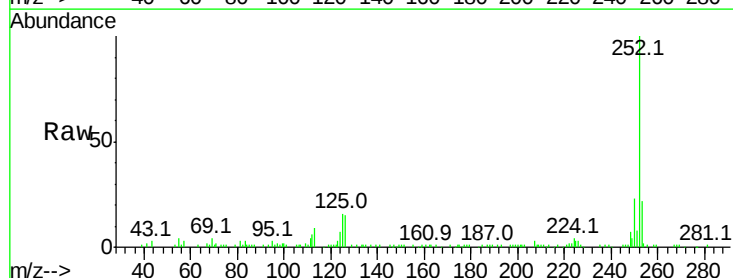
Tgt Ion:252 Resp: 135479

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

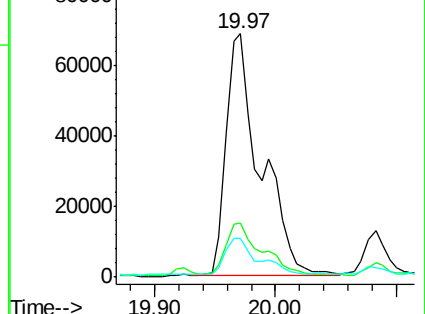
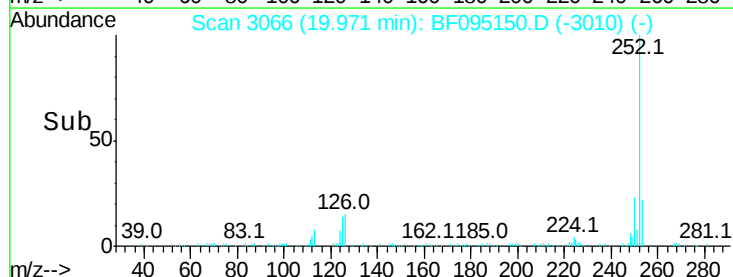
125 15.8 13.1 19.7

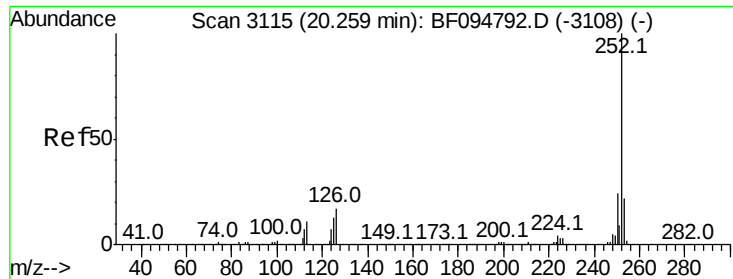


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.45 ng

RT: 20.32 min Scan# 3125

Delta R.T. 0.06 min

Lab File: BF095150.D

Acq: 16 May 2017 5:24

Instrument :

BNA_F

ClientSampleId :

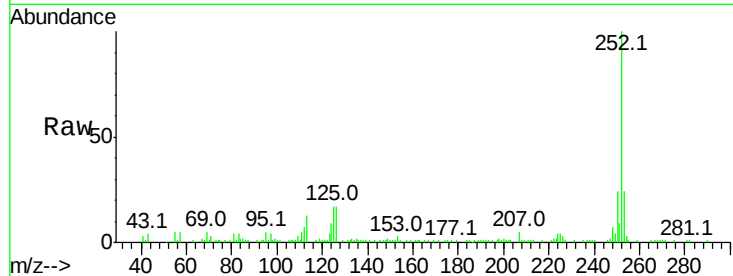
Tot Ion:252 Resp: 73682

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

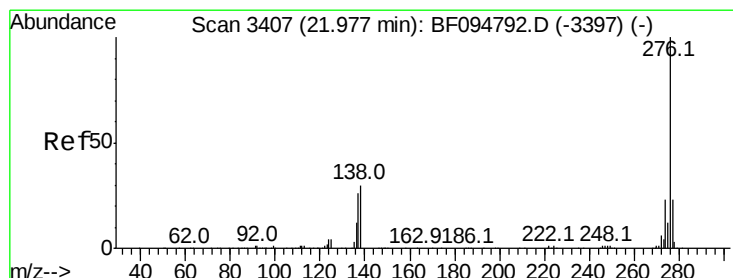
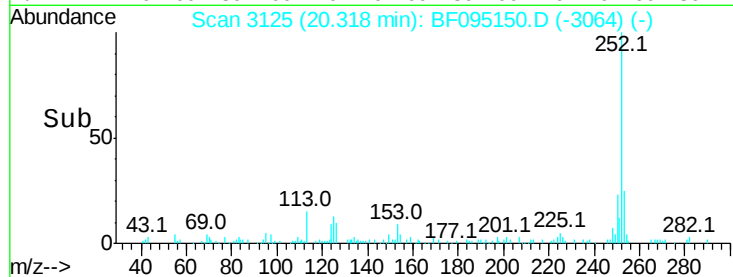
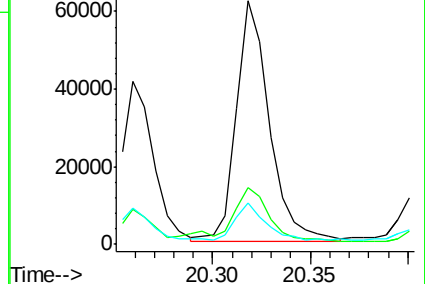
125 16.9 11.0 16.4#



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: 5.68 ng

RT: 22.11 min Scan# 3429

Delta R.T. 0.13 min

Lab File: BF095150.D

Acq: 16 May 2017 5:24

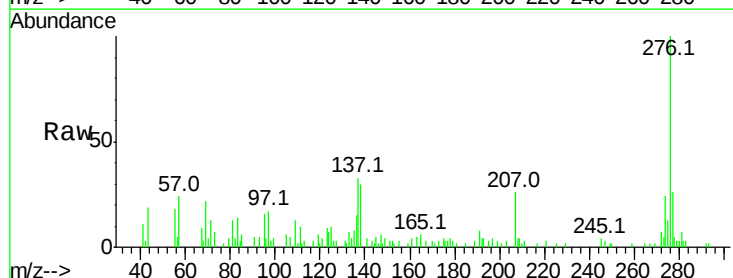
Tgt Ion:276 Resp: 35896

Ion Ratio Lower Upper

276 100

277 26.3 18.6 28.0

138 30.5 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

