

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095441.D
 Acq On : 26 May 2017 00:40
 Operator : SJ/MA
 Sample : I3200-10 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 04:19:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

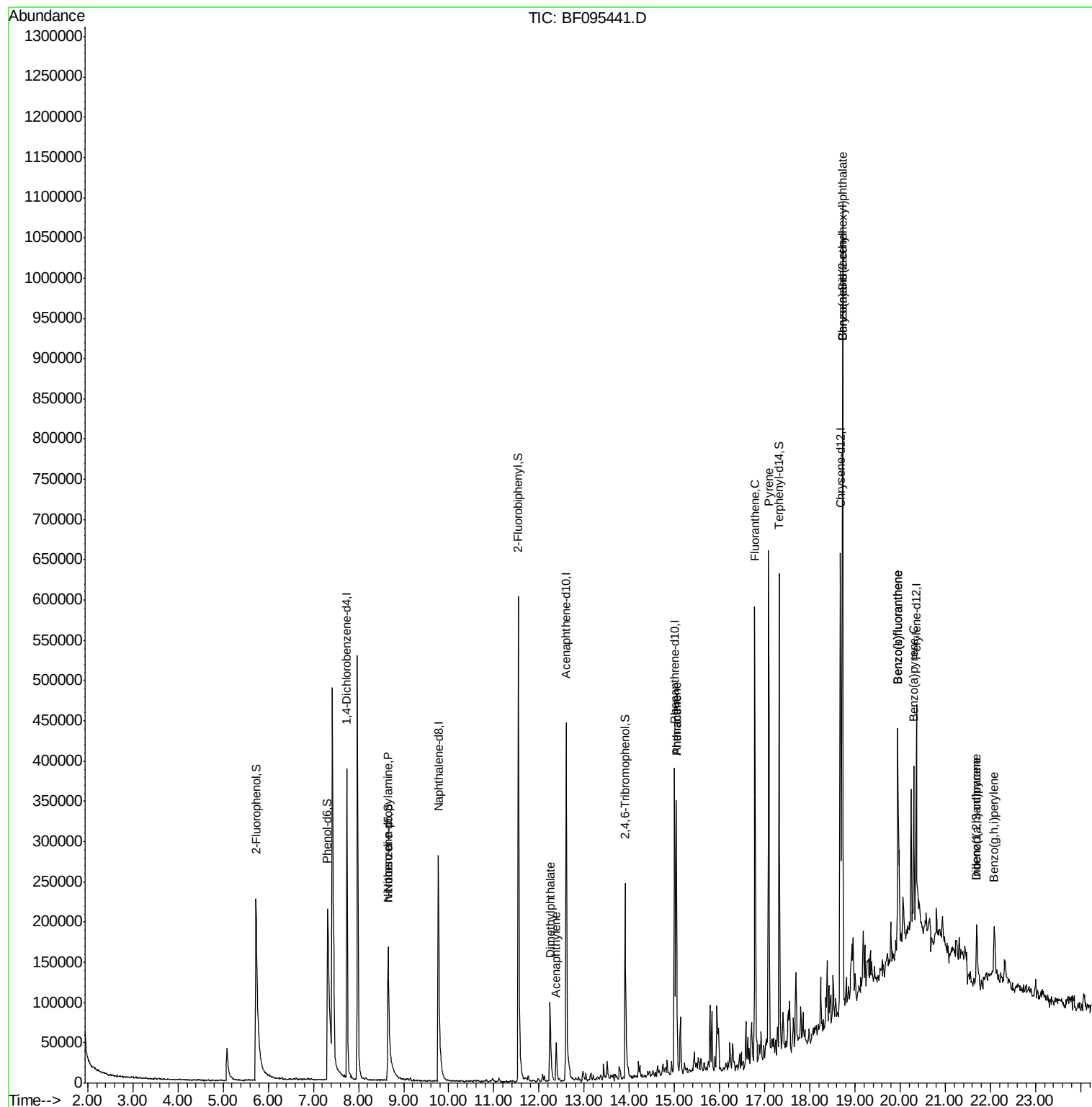
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	92412	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	315049	20.00	ng	-0.01
38) Acenaphthene-d10	12.60	164	149376	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	215746	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	183918	20.00	ng	-0.02
86) Perylene-d12	20.36	264	129026	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.73	112	254066	45.84	ng	0.00
7) Phenol-d6	7.31	99	315230	47.40	ng	0.00
23) Nitrobenzene-d5	8.65	82	175757	35.18	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	50879	41.59	ng	-0.01
44) 2-Fluorobiphenyl	11.54	172	358205	34.52	ng	-0.02
78) Terphenyl-d14	17.32	244	222344	26.63	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.66	70	17617	3.92	ng	# 73
48) Acenaphthylene	12.38	152	42457	2.67	ng	95
49) Dimethylphthalate	12.24	163	88560	7.22	ng	98
70) Phenanthrene	15.04	178	207268	16.72	ng	98
71) Anthracene	15.04	178	207268	16.37	ng	99
74) Fluoranthene	16.78	202	309201	24.32	ng	99
77) Pyrene	17.09	202	304671	22.15	ng	98
80) Benzo(a)anthracene	18.71	228	133997	12.52	ng	99
82) Chrysene	18.71	228	133997	12.95	ng	97
83) Bis(2-ethylhexyl)phthalate	18.72	149	305673	33.53	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.69	276	48850	5.81	ng	95
87) Benzo(b)fluoranthene	19.95	252	186965	23.45	ng	# 96
88) Benzo(k)fluoranthene	19.95	252	186965	24.31	ng	99
89) Benzo(a)pyrene	20.30	252	92804	12.61	ng	# 95
90) Dibenzo(a,h)anthracene	21.69	278	12370	2.04	ng	# 71
91) Benzo(g,h,i)perylene	22.09	276	54902	9.21	ng	95

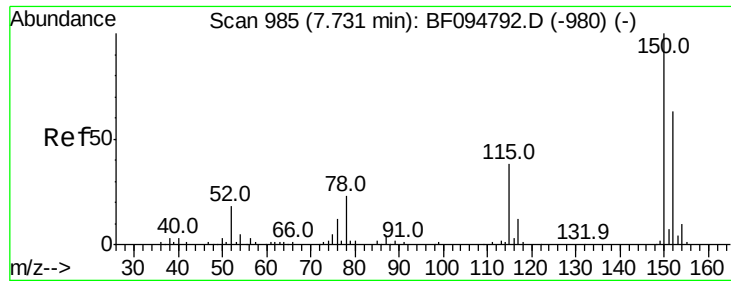
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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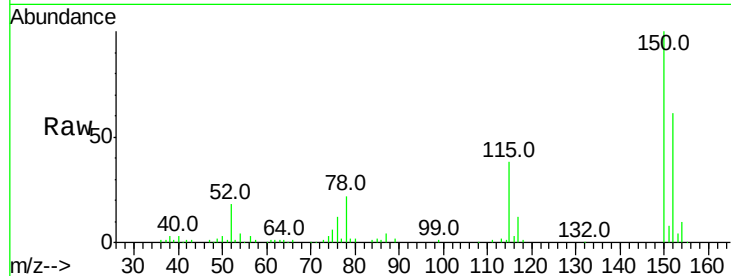


#1

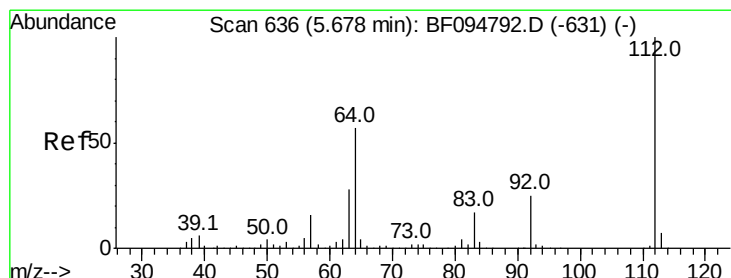
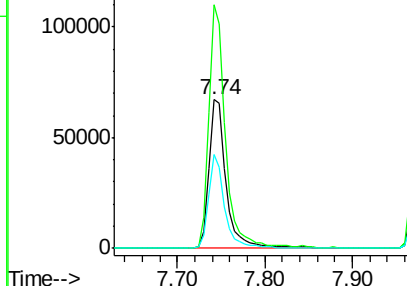
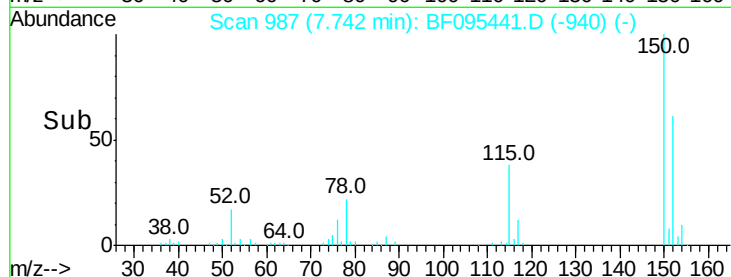
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 92412
Ion Ratio Lower Upper
152 100
150 163.6 126.2 189.2
115 63.0 52.2 78.2



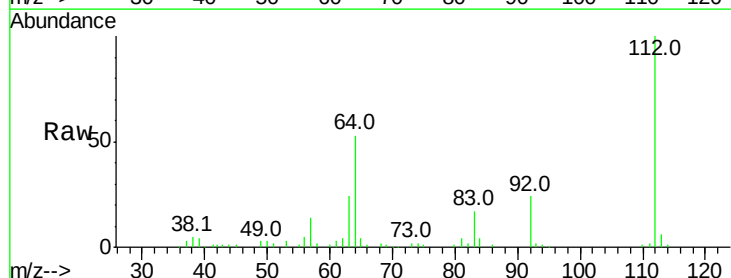
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



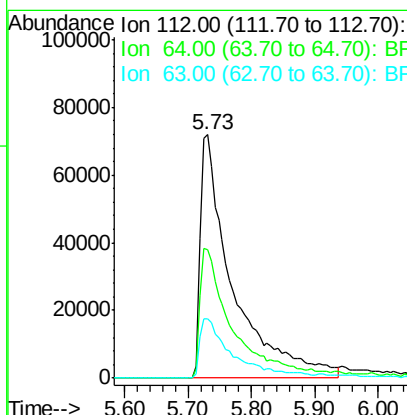
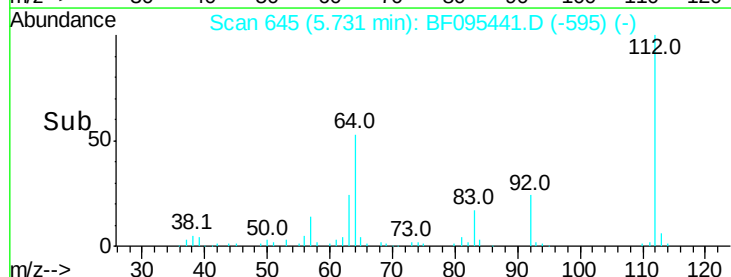
#5

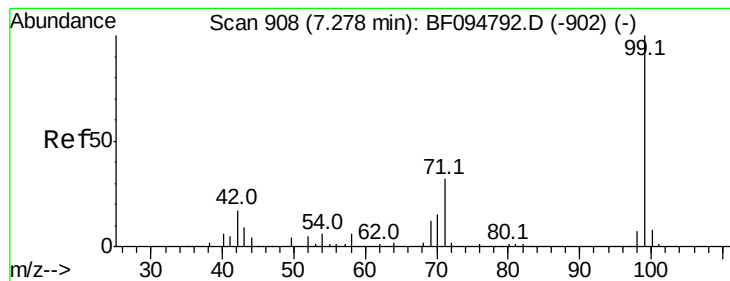
2-Fluorophenol
Concen: 45.84 ng
RT: 5.73 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Tgt Ion:112 Resp: 254066
Ion Ratio Lower Upper
112 100
64 52.7 46.0 69.0
63 24.3 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: 47.40 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

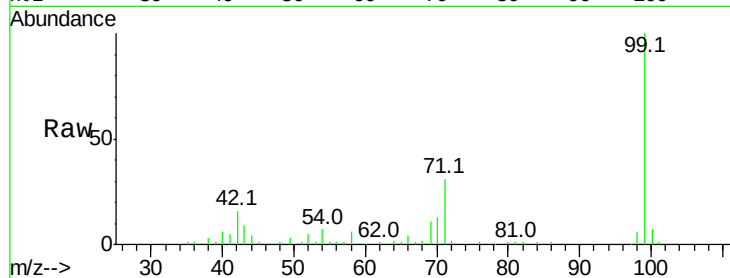
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 315230

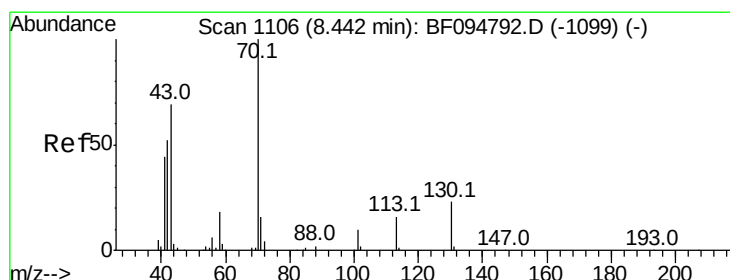
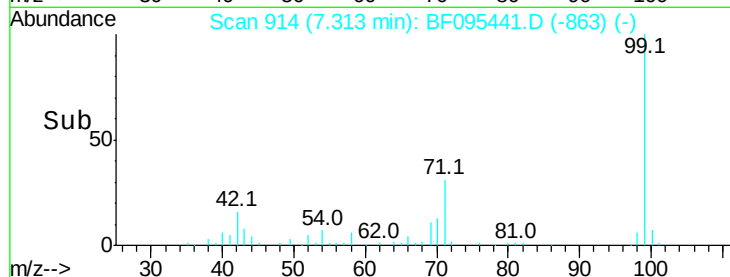
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.5	20.3
71	30.8	24.5	36.7



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: 3.92 ng

RT: 8.66 min Scan# 1143

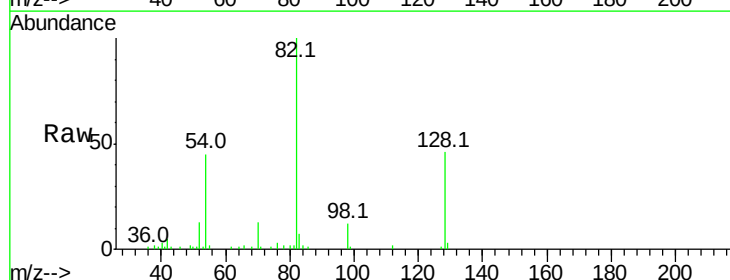
Delta R.T. 0.18 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Tgt Ion: 70 Resp: 17617

Ion	Ratio	Lower	Upper
70	100		
42	42.7	47.2	70.8#
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#

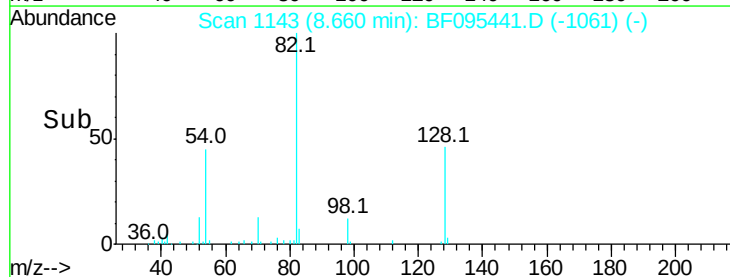


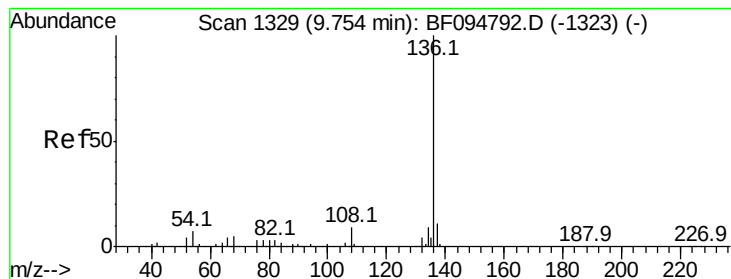
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.77 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 315049

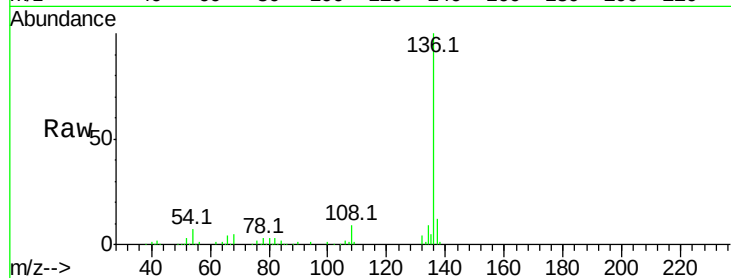
Ion Ratio Lower Upper

136 100

137 11.6 8.5 12.7

54 6.8 4.9 7.3

68 5.1 4.1 6.1

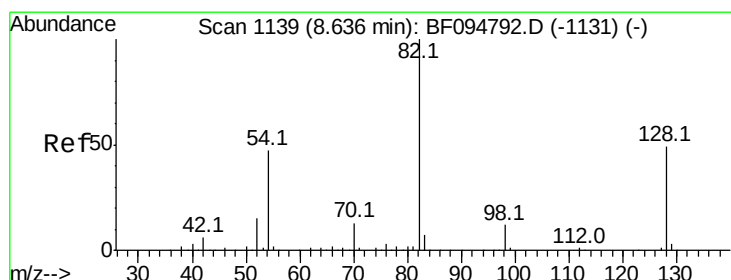
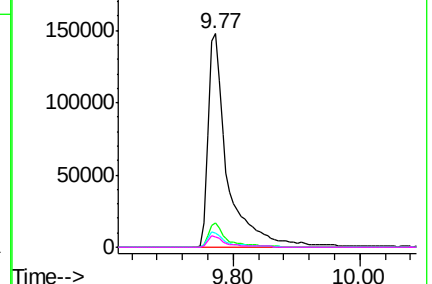
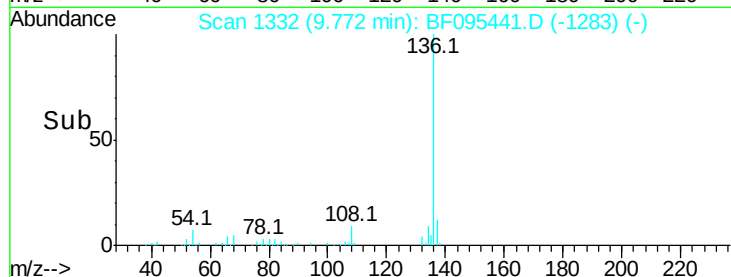


Abundance Ion 136.00 (135.70 to 136.70): E

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: 35.18 ng

RT: 8.65 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

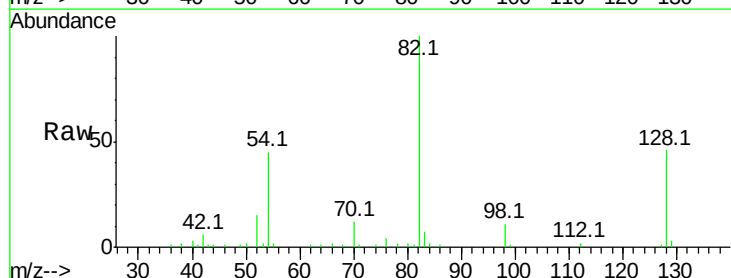
Tgt Ion: 82 Resp: 175757

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

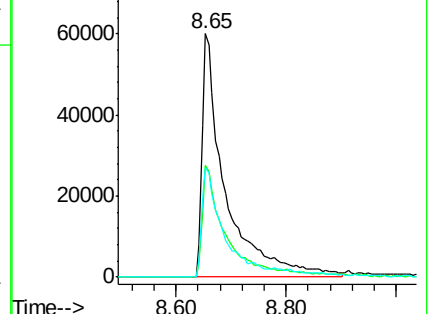
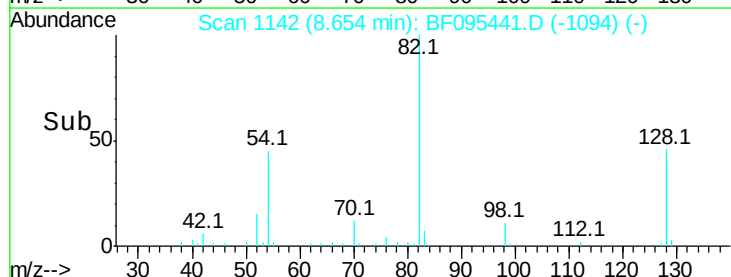
54 44.9 42.2 63.2

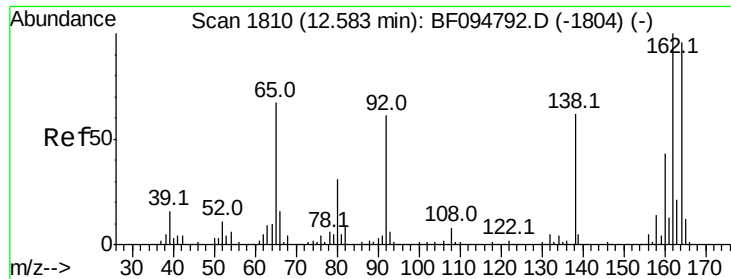


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.60 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Instrument :

BNA_F

ClientSampleId :

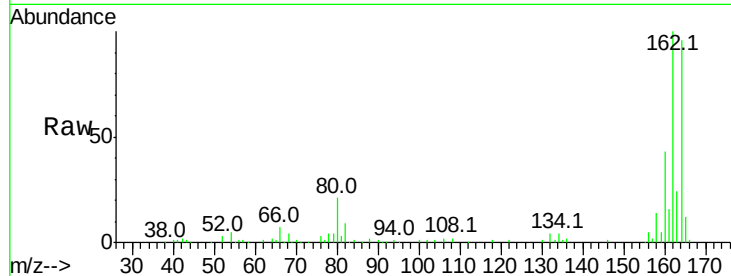
Tot Ion:164 Resp: 149376

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

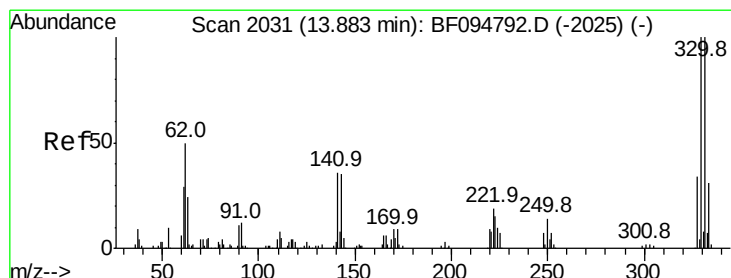
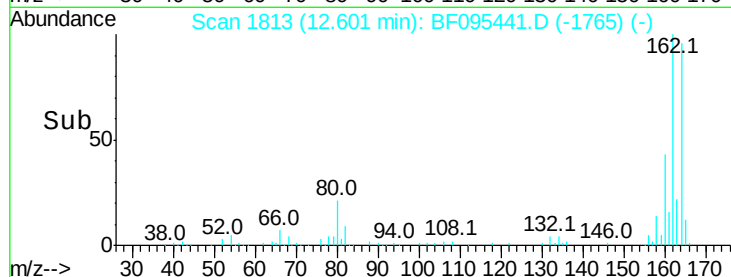
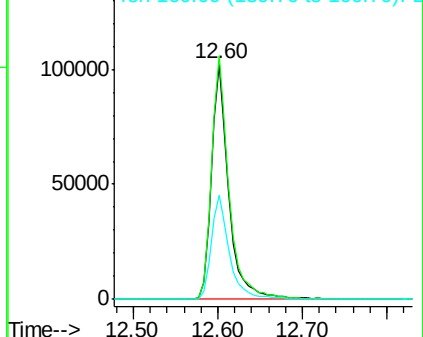
160 44.1 36.2 54.2



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: 41.59 ng

RT: 13.91 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

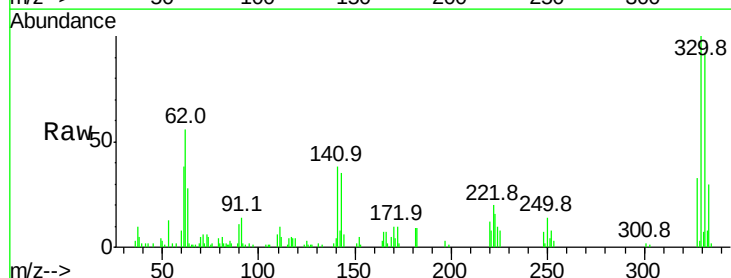
Tgt Ion:330 Resp: 50879

Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

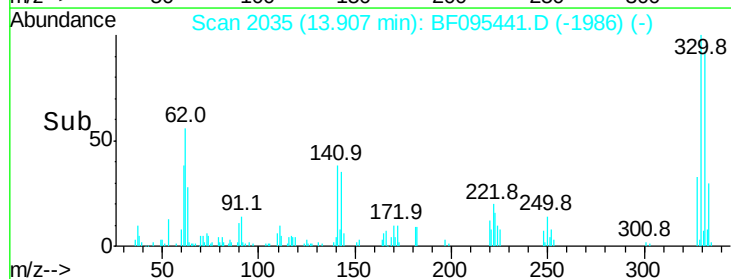
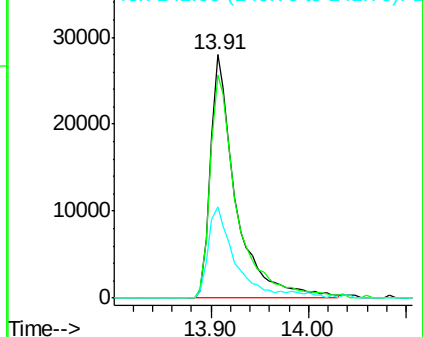
141 41.0 31.4 47.2

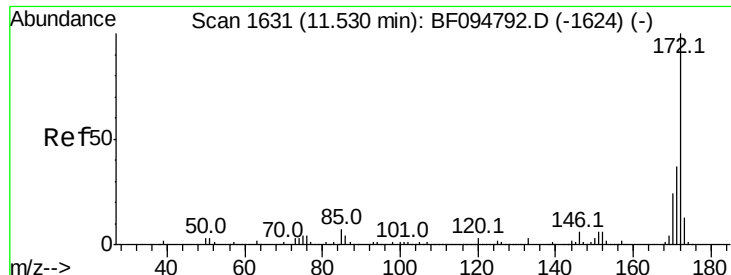


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

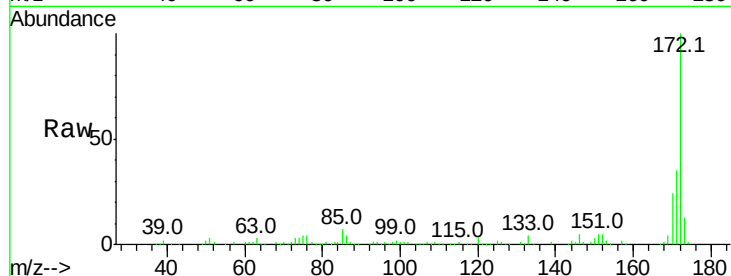




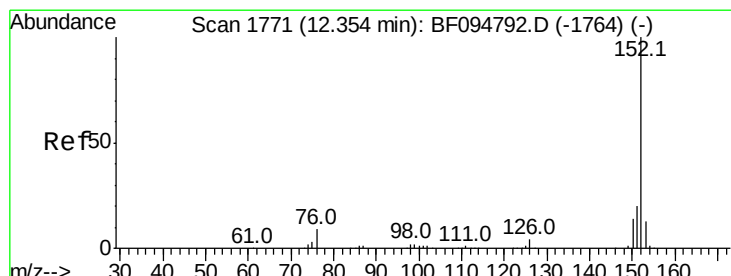
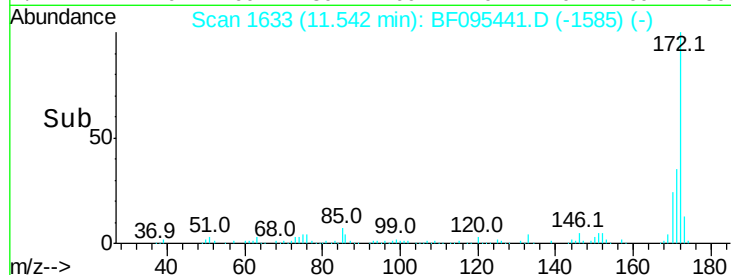
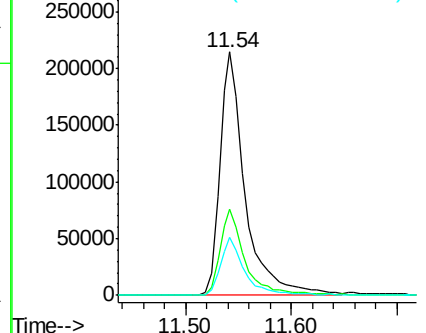
#44
2-Fluorobiphenyl
Concen: 34.52 ng
RT: 11.54 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.6	19.8	29.8

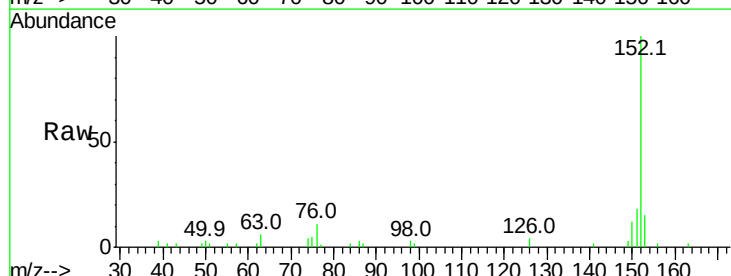


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

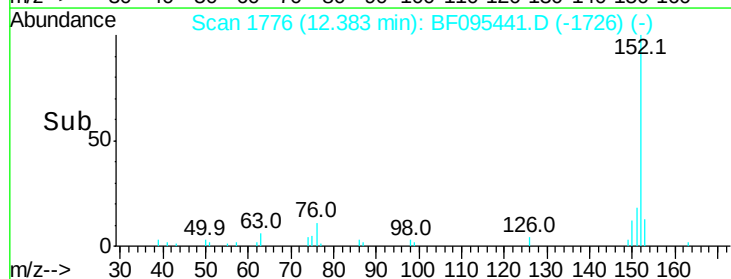
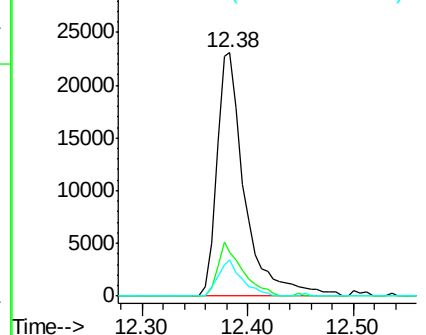


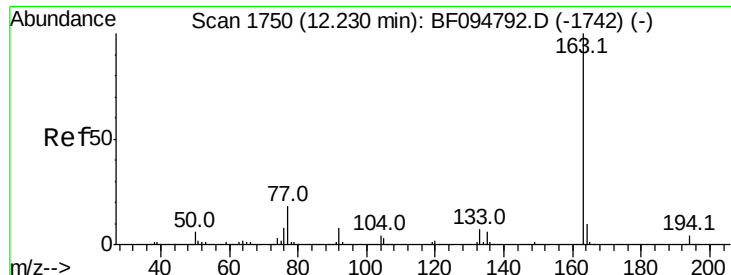
#48
Acenaphthylene
Concen: 2.67 ng
RT: 12.38 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.8	25.2
153	15.1	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 7.22 ng

RT: 12.24 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Instrument :

BNA_F

ClientSampleId :

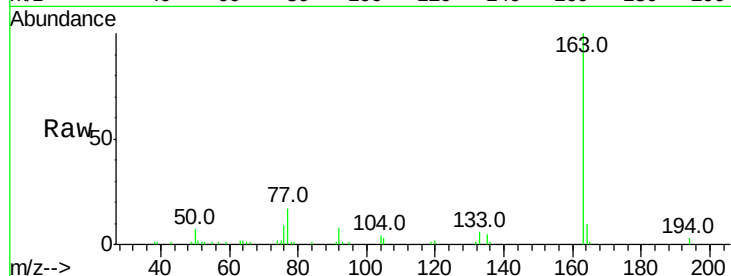
Tot Ion:163 Resp: 88560

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

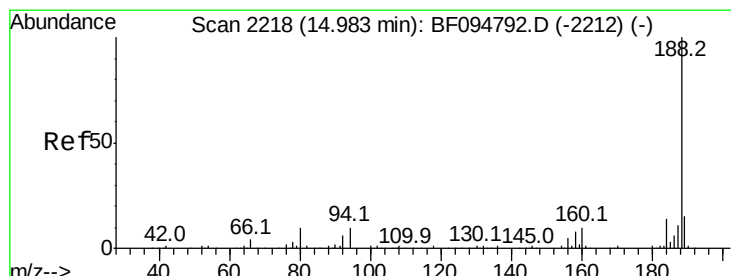
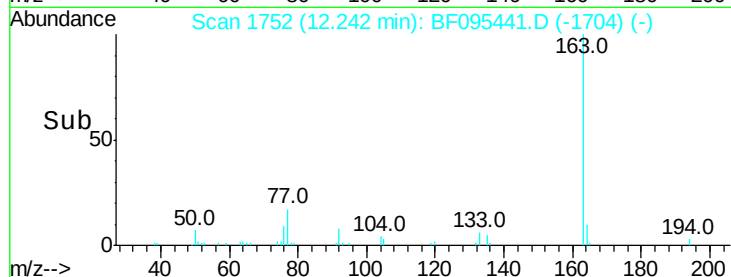
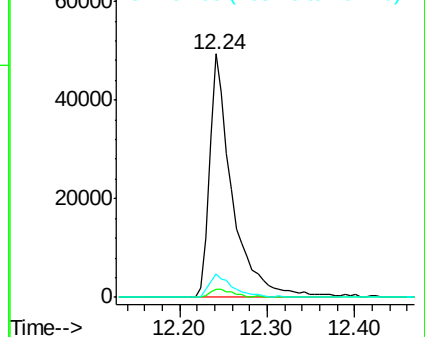
164 9.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.00 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

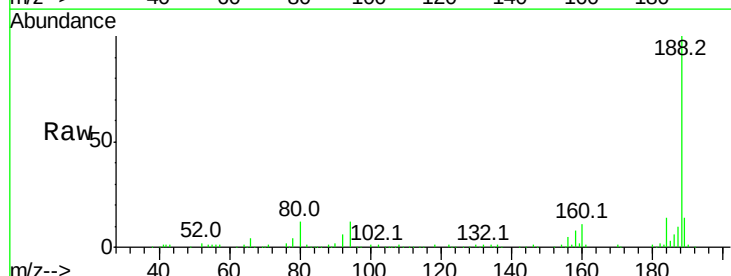
Tgt Ion:188 Resp: 215746

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

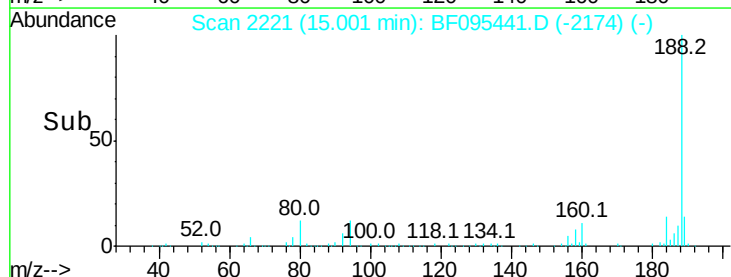
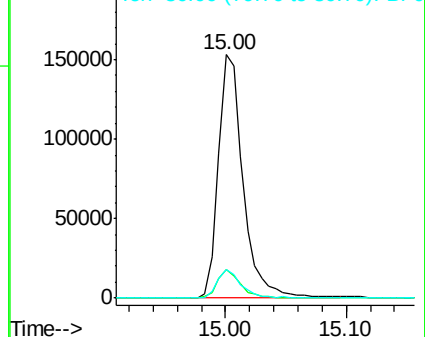
80 12.0 10.2 15.2

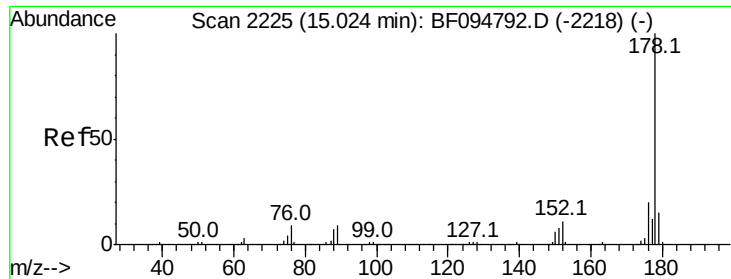


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

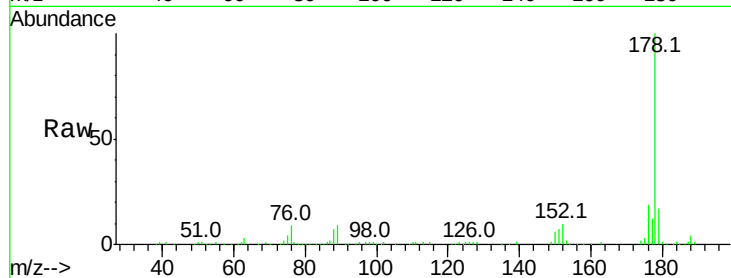




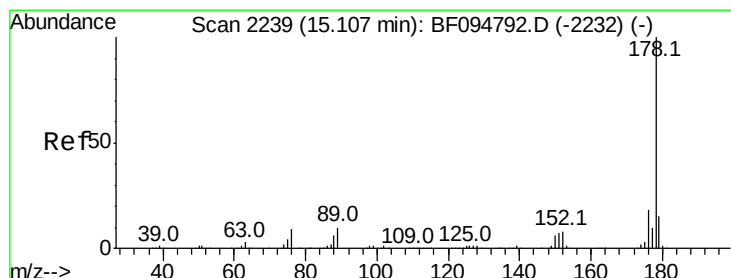
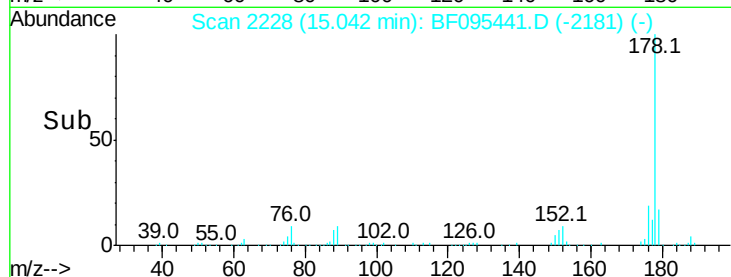
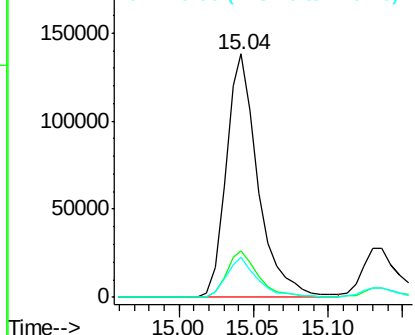
#70
Phenanthrene
Concen: 16.72 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 207268
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 16.7 12.6 19.0

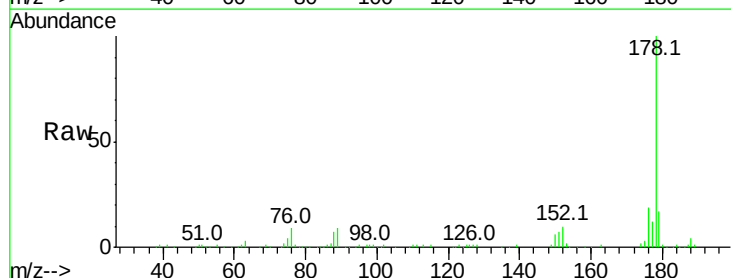


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

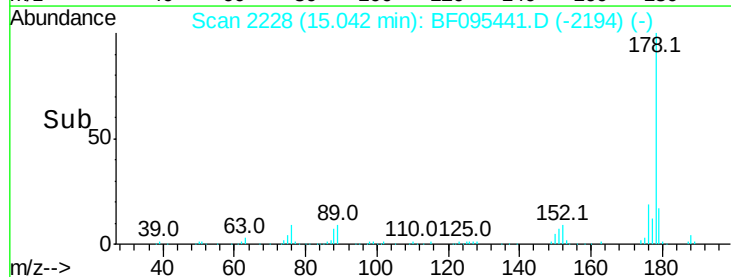
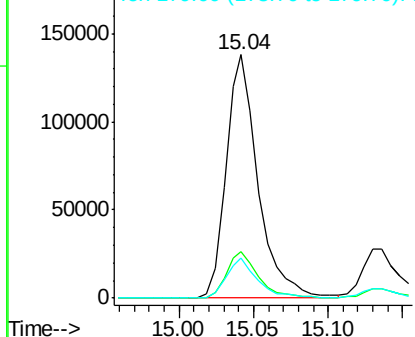


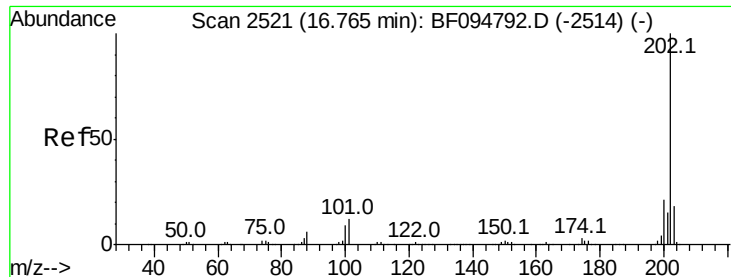
#71
Anthracene
Concen: 16.37 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.10 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Tgt Ion:178 Resp: 207268
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 16.7 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

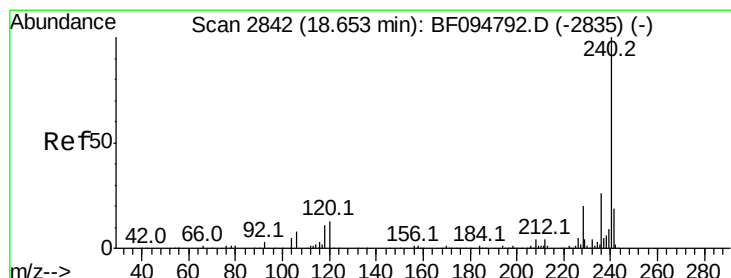
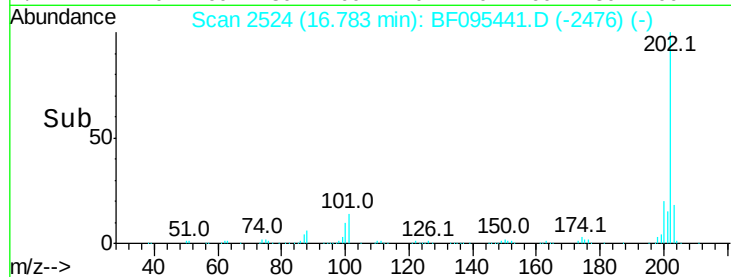
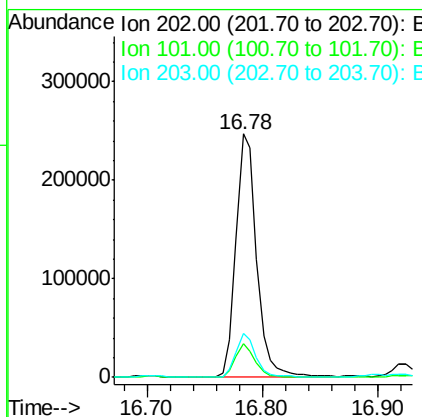
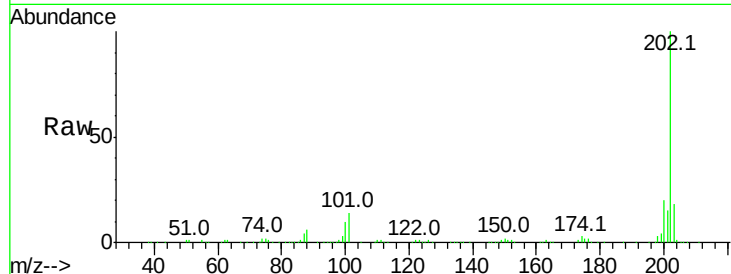




#74
 Fluoranthene
 Concen: 24.32 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

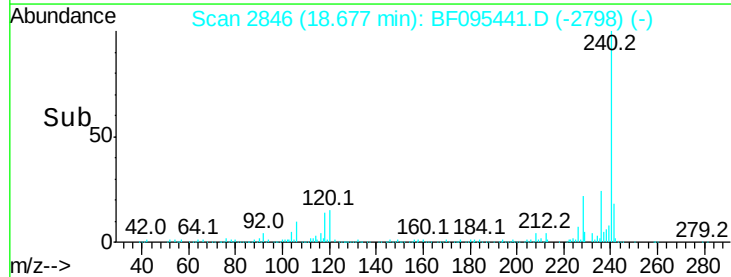
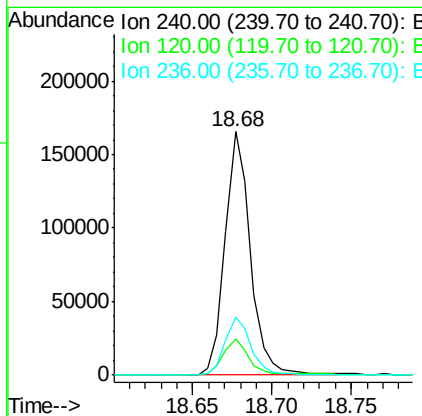
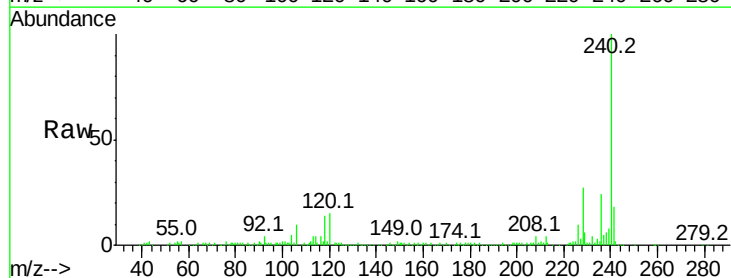
Instrument :
 BNA_F
 ClientSampleId :

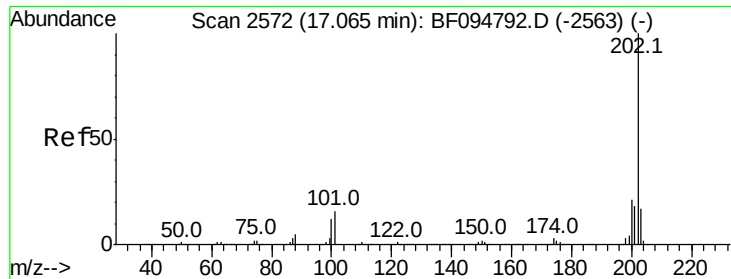
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.9	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.02 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	24.0	20.5	30.7





#77

Pvrene

Concen: 22.15 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Instrument :

BNA_F

ClientSampleId :

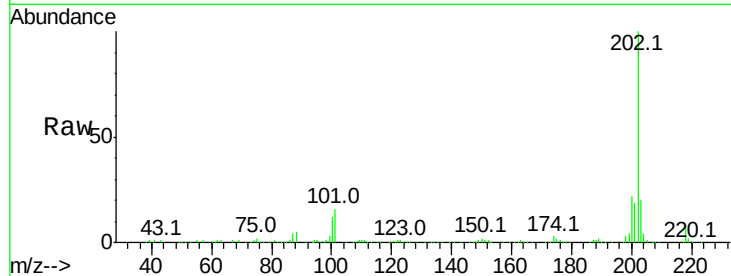
Tot Ion:202 Resp: 304671

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

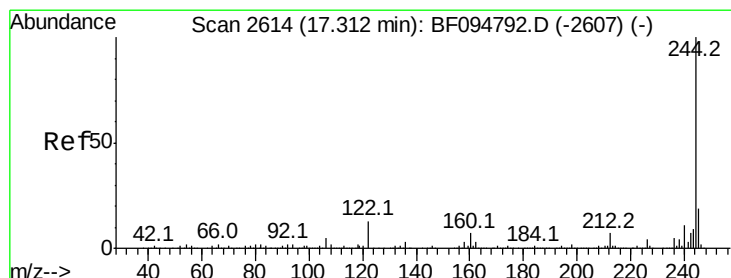
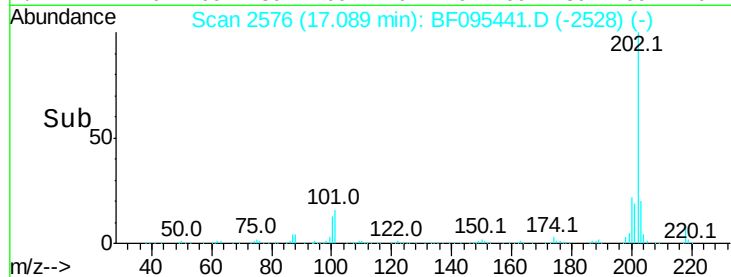
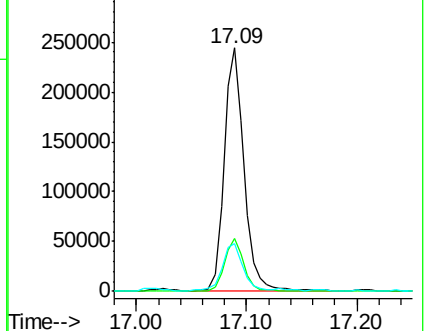
203 19.6 14.4 21.6



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: 26.63 ng

RT: 17.32 min Scan# 2615

Delta R.T. -0.03 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

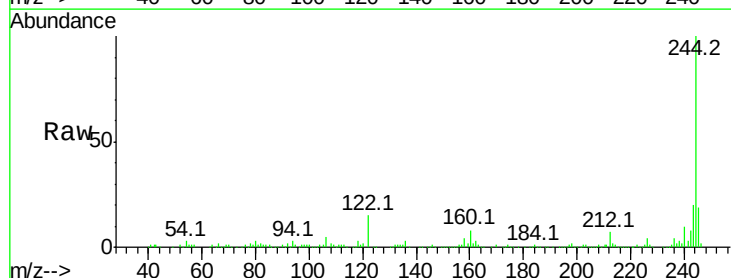
Tgt Ion:244 Resp: 222344

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

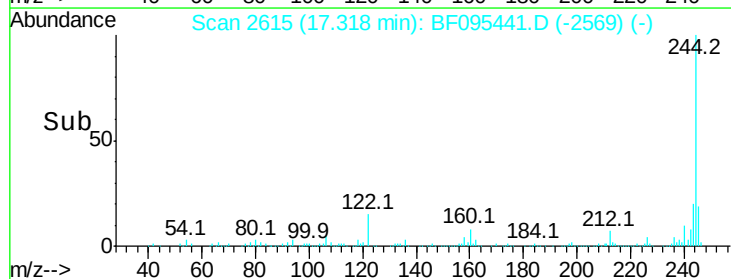
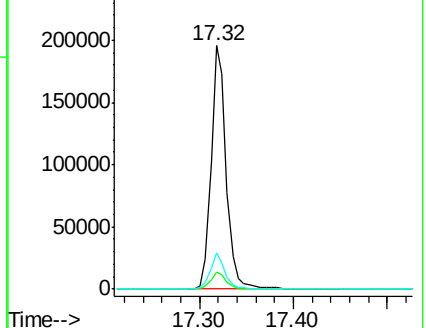
122 15.1 10.3 15.5

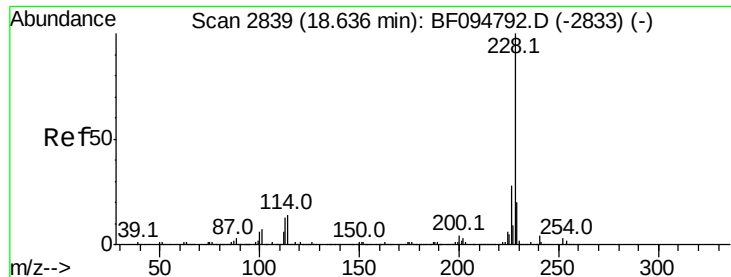


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 12.52 ng

RT: 18.71 min Scan# 2852

Delta R.T. 0.03 min

Lab File: BF095441.D

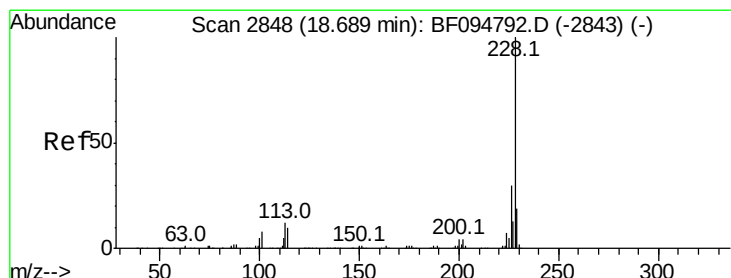
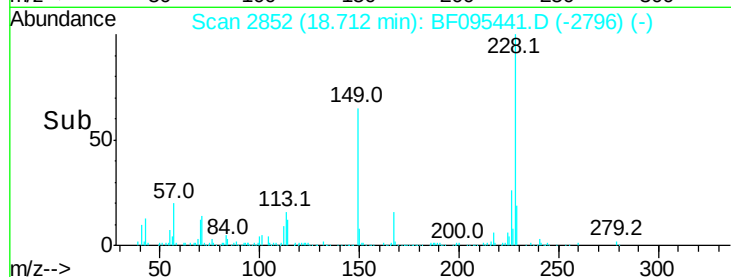
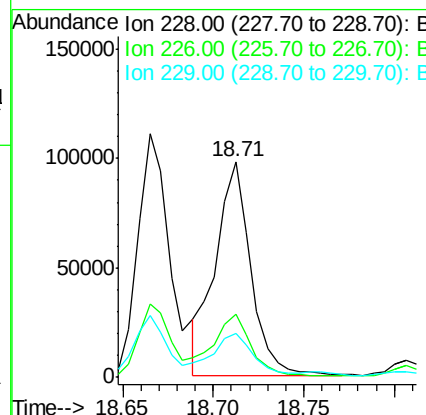
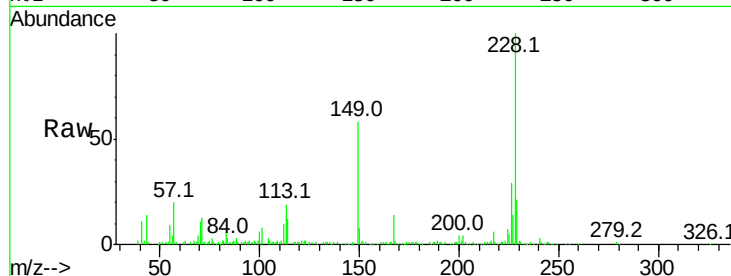
Acq: 26 May 2017 00:40

Instrument :

BNA_F

ClientSampled :

Tot Ion:228	Resp:	133997
Ion	Ratio	Lower Upper
228	100	
226	29.3	22.6 33.8
229	20.6	16.3 24.5



#82

Chrysene

Concen: 12.95 ng

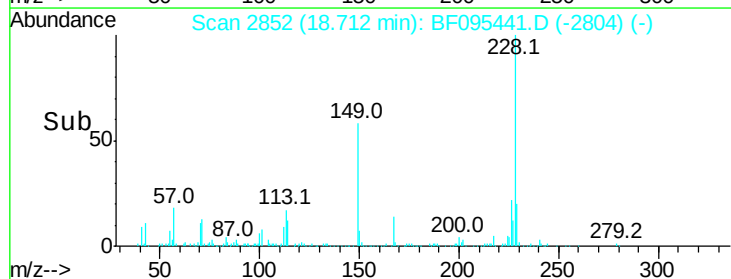
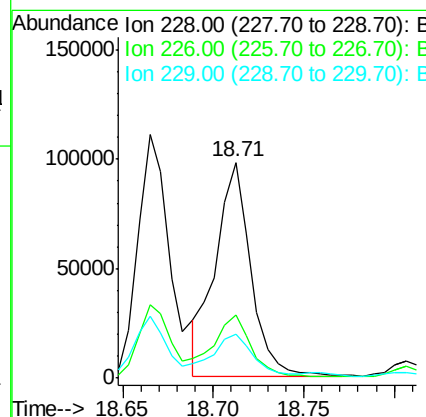
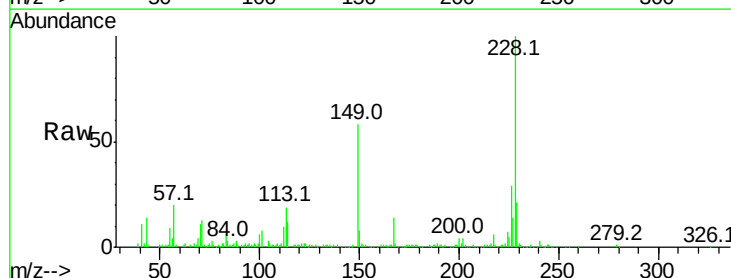
RT: 18.71 min Scan# 2852

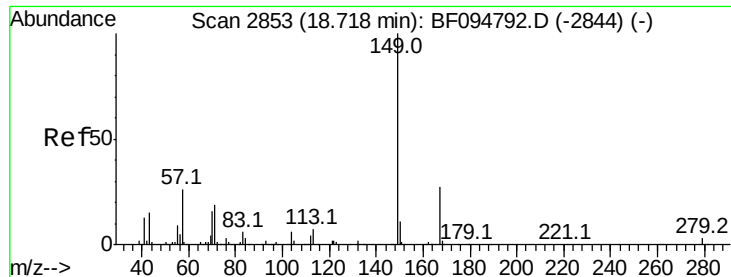
Delta R.T. -0.02 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Tgt Ion:228	Resp:	133997
Ion	Ratio	Lower Upper
228	100	
226	29.3	24.9 37.3
229	20.6	15.8 23.6

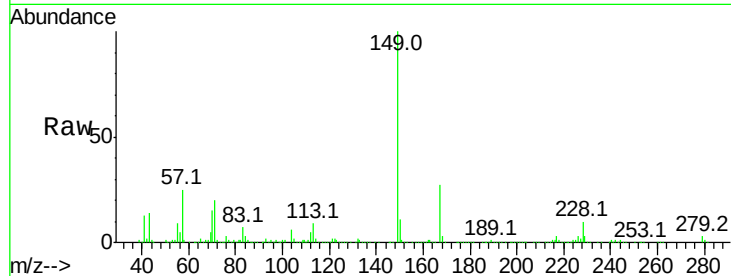




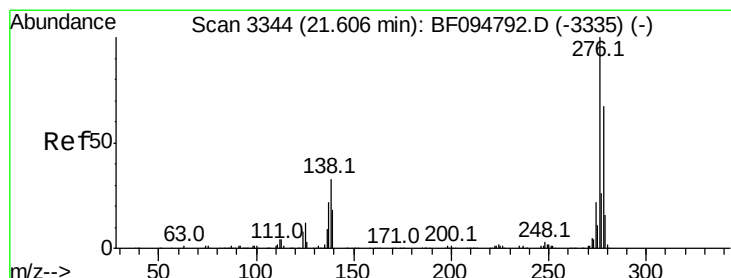
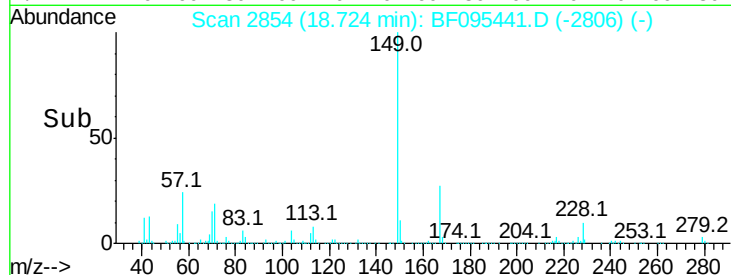
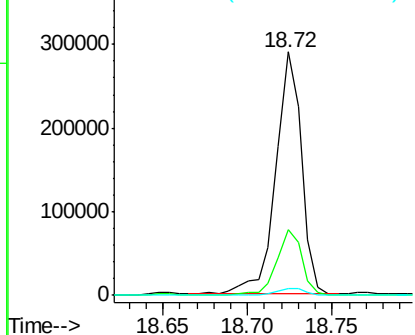
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 33.53 ng
 RT: 18.72 min Scan# 2854
 Delta R.T. -0.02 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 305673
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.0 31.4
 279 2.9 1.9 2.9#

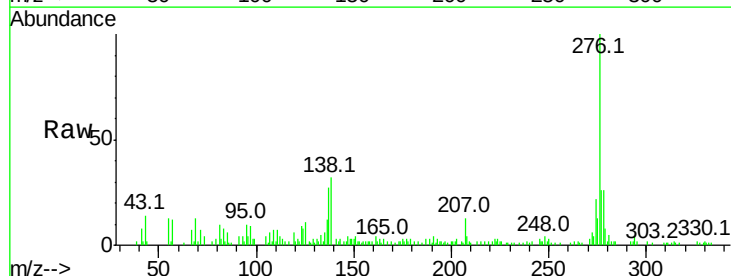


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

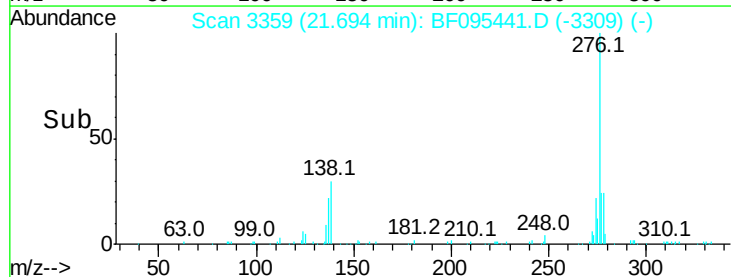
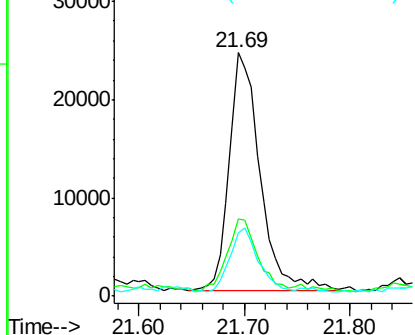


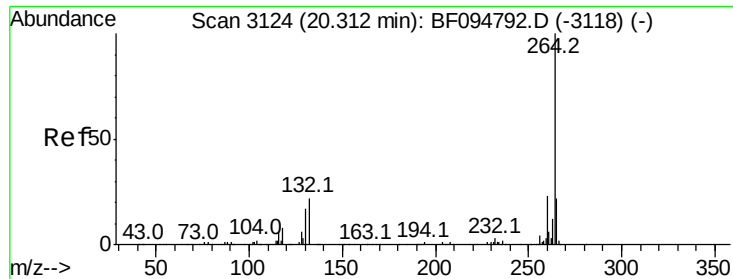
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.81 ng
 RT: 21.69 min Scan# 3359
 Delta R.T. -0.01 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Tgt Ion:276 Resp: 48850
 Ion Ratio Lower Upper
 276 100
 138 29.9 27.8 41.6
 277 25.1 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

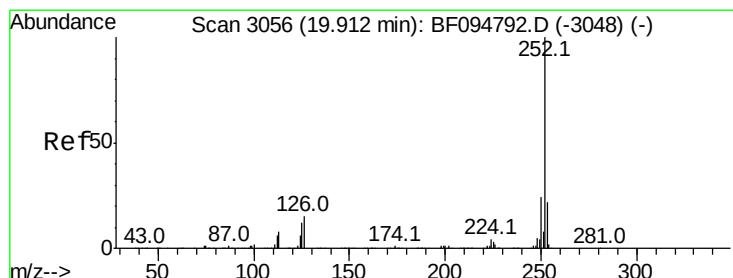
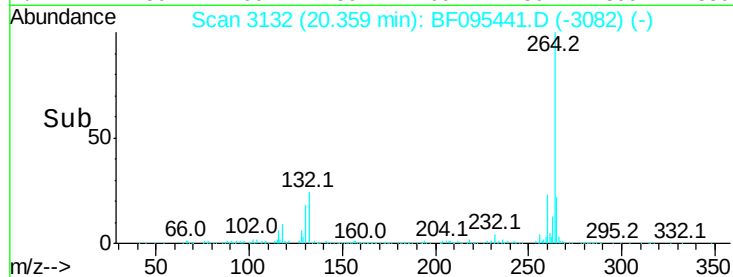
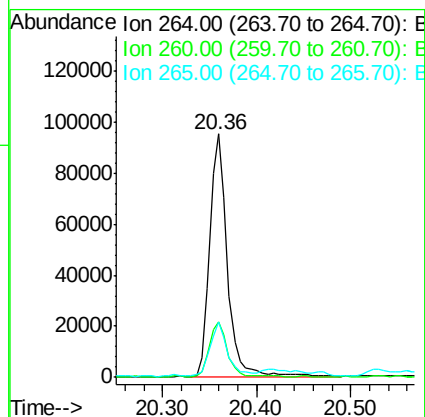
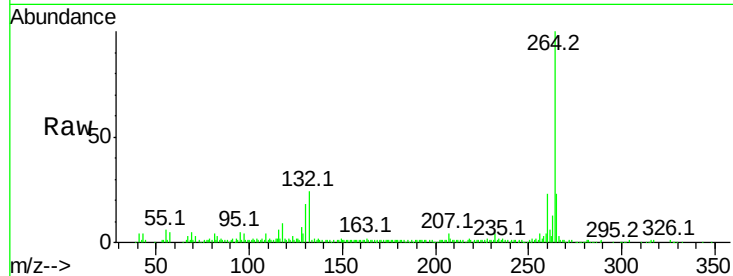




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

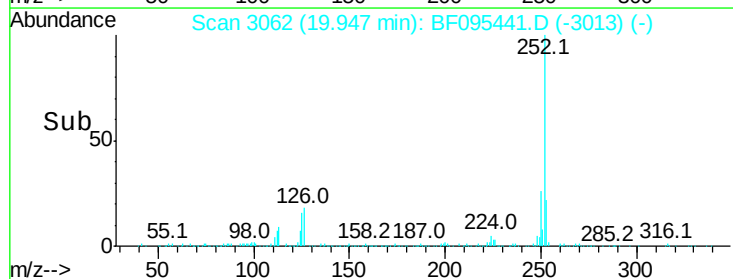
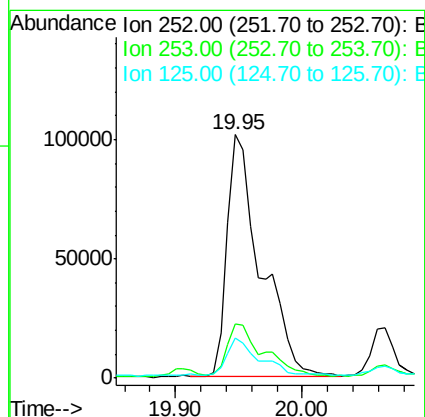
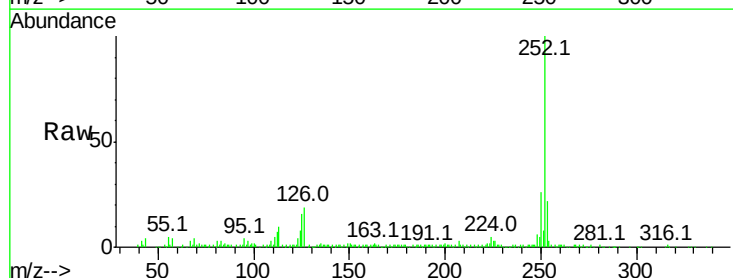
Instrument :
BNA_F
ClientSampleId :

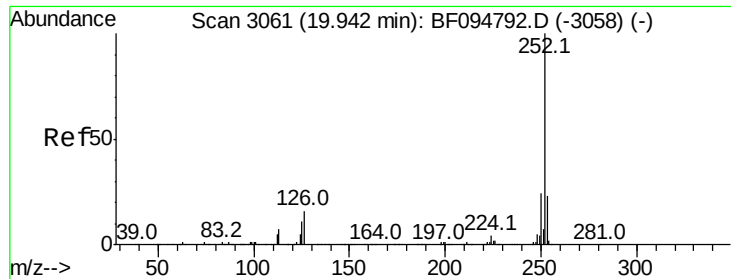
Tot Ion:264 Resp: 129026
Ion Ratio Lower Upper
264 100
260 22.9 19.5 29.3
265 22.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 23.45 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Tgt Ion:252 Resp: 186965
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 16.5 9.8 14.8#

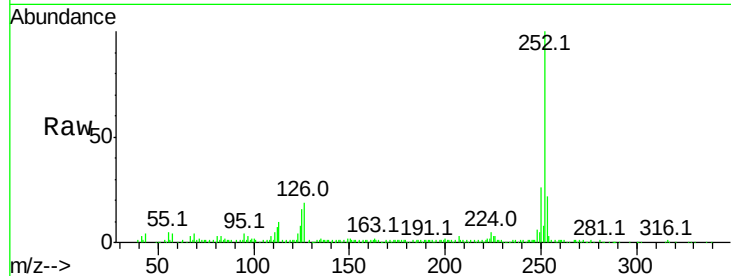




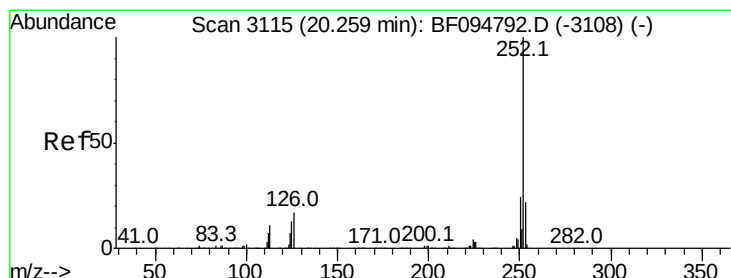
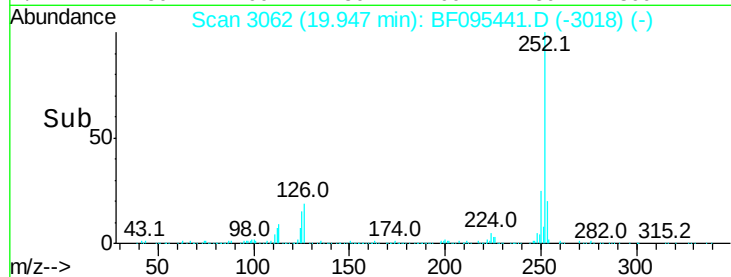
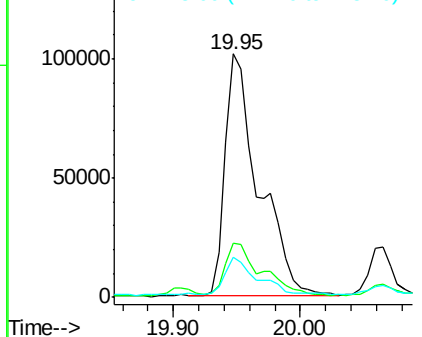
#88
Benzo(k)fluoranthene
Concen: 24.31 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.04 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	16.5	13.1	19.7

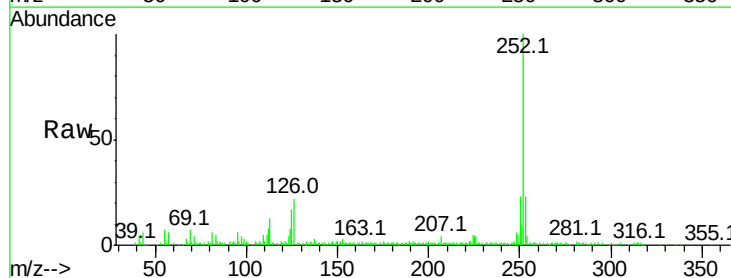


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

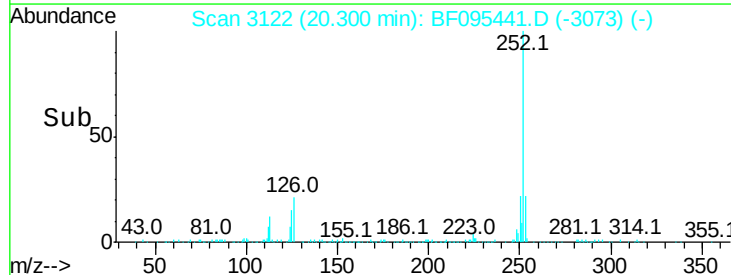
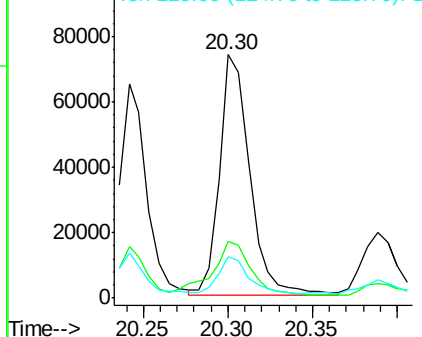


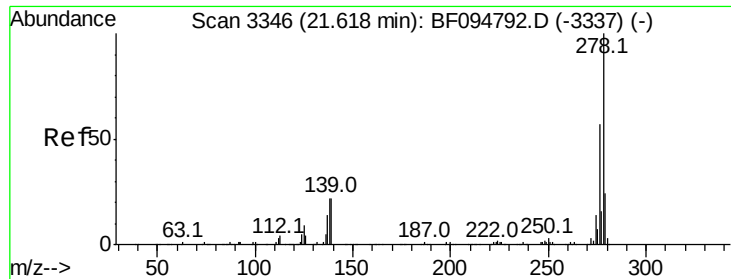
#89
Benzo(a)pyrene
Concen: 12.61 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	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

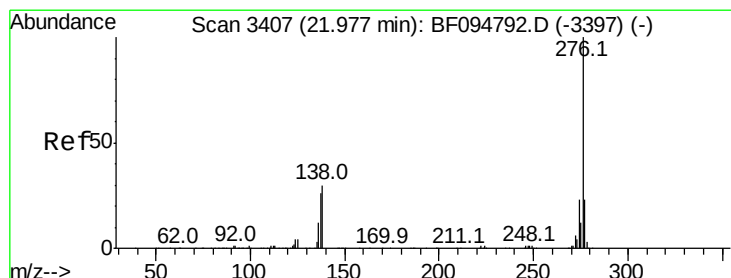
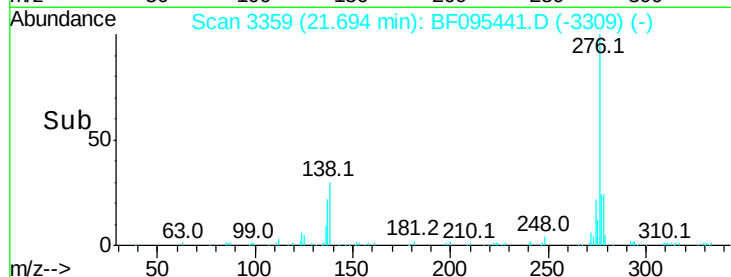
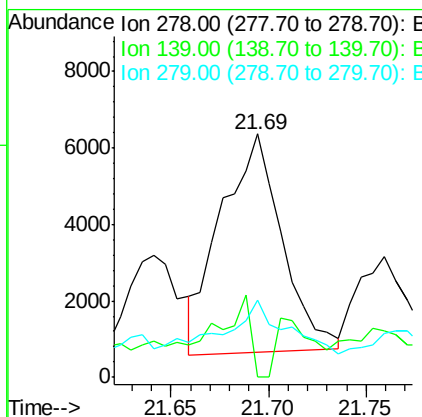
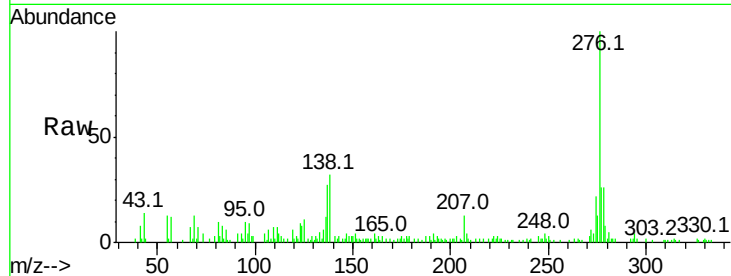




#90
 Dibenzo(a,h)anthracene
 Concen: 2.04 ng
 RT: 21.69 min Scan# 3359
 Delta R.T. -0.01 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:278	Resp:	12370
Ion Ratio	Lower	Upper
278	100	
139	0.0	16.6 24.8#
279	31.6	19.3 28.9#



#91
 Benzo(g,h,i)perylene
 Concen: 9.21 ng
 RT: 22.09 min Scan# 3426
 Delta R.T. 0.01 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Tgt Ion:276	Resp:	54902
Ion Ratio	Lower	Upper
276	100	
277	26.5	18.6 28.0
138	34.1	25.4 38.0

