

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095543.D
 Acq On : 30 May 2017 19:20
 Operator : SJ/MA
 Sample : I3302-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:42:00 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	108570	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	416702	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	164083	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	243493	20.00	ng	0.00
75) Chrysene-d12	18.67	240	244707	20.00	ng	0.00
86) Perylene-d12	20.35	264	185862	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	561839	86.28	ng	0.00
7) Phenol-d6	7.30	99	538980	68.98	ng	0.00
23) Nitrobenzene-d5	8.64	82	370590	56.08	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	98565	73.35	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	736199	64.58	ng	0.00
78) Terphenyl-d14	17.31	244	458474	41.27	ng	-0.01

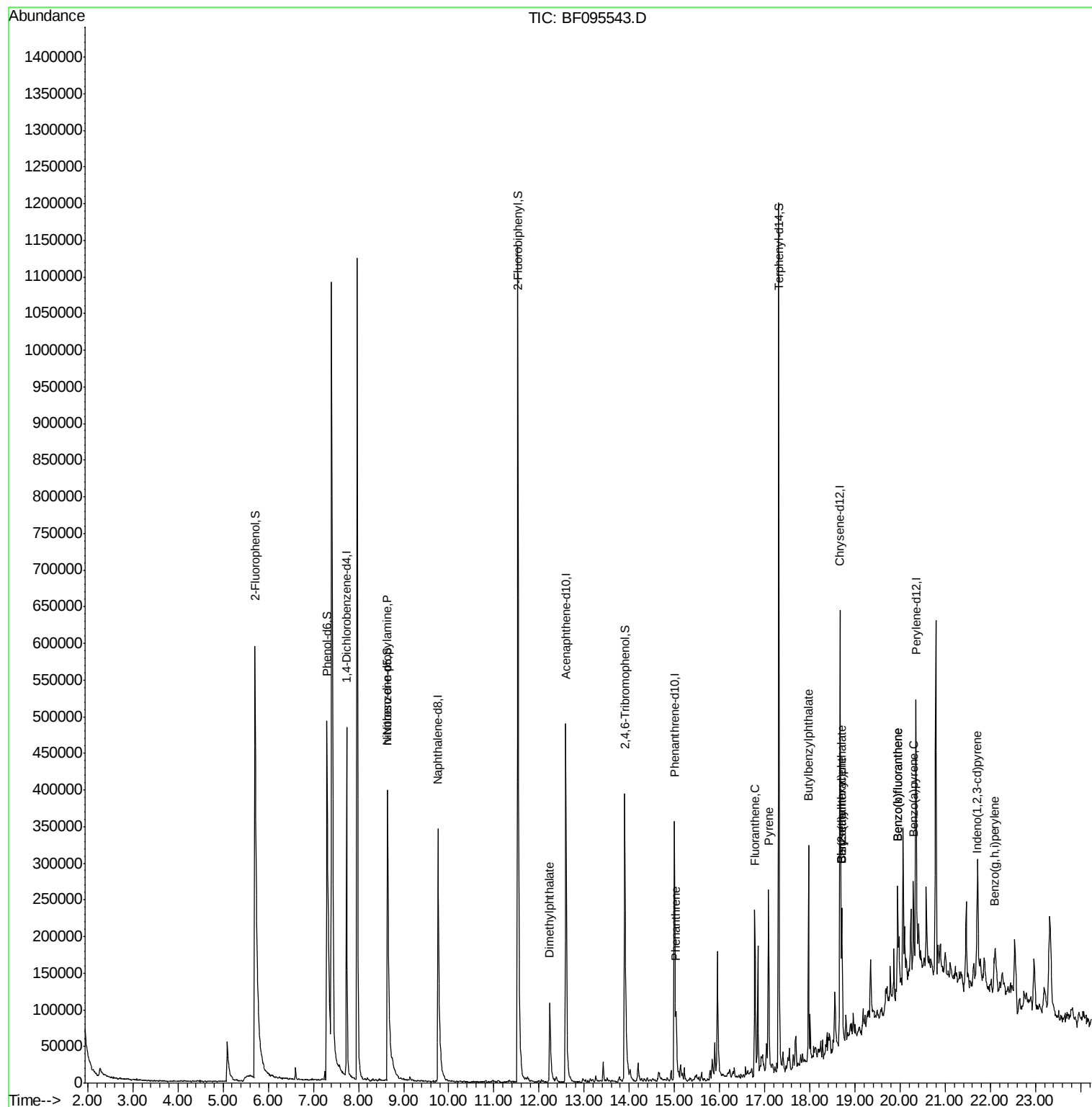
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.65	70	41127	7.78	ng	# 72
49) Dimethylphthalate	12.24	163	103794	7.71	ng	99
70) Phenanthrene	15.04	178	57892	4.14	ng	95
74) Fluoranthene	16.78	202	126407	8.81	ng	99
77) Pyrene	17.08	202	123215	6.73	ng	96
79) Butylbenzylphthalate	17.97	149	77101	9.06	ng	# 86
80) Benzo(a)anthracene	18.71	228	64533	4.53	ng	96
82) Chrysene	18.71	228	64533	4.69	ng	99
83) Bis(2-ethylhexyl)phthalate	18.71	149	27842	2.30	ng	97
85) Indeno(1,2,3-cd)pyrene	21.70	276	26375	2.36	ng	90
87) Benzo(b)fluoranthene	19.95	252	108051	9.41	ng	# 95
88) Benzo(k)fluoranthene	19.95	252	108051	9.75	ng	99
89) Benzo(a)pyrene	20.30	252	52545	4.96	ng	96
91) Benzo(a,h,i)perylene	22.09	276	25880	3.01	ng	# 89

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

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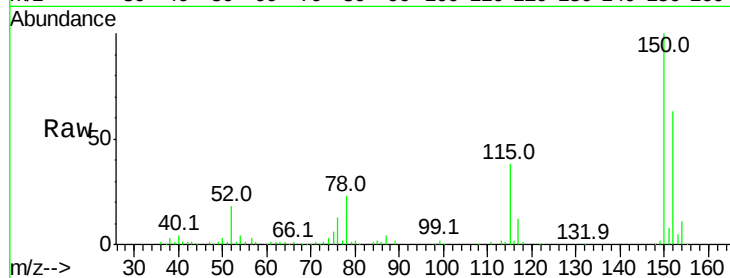


#1

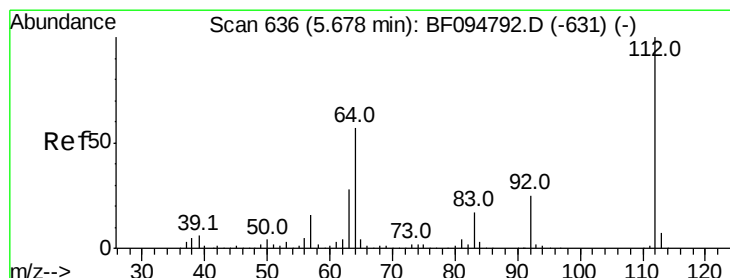
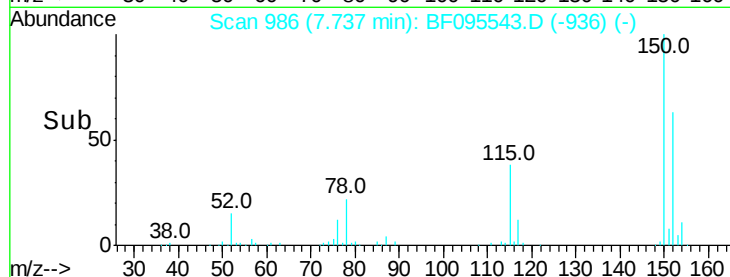
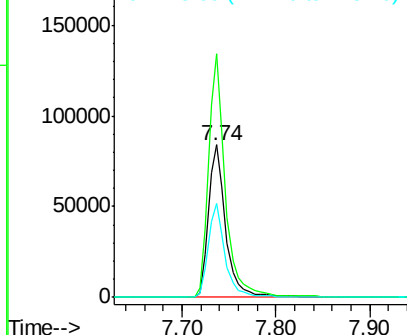
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095543.D
Acq: 30 May 2017 19:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108570
Ion Ratio Lower Upper
152 100
150 159.5 126.2 189.2
115 61.1 52.2 78.2



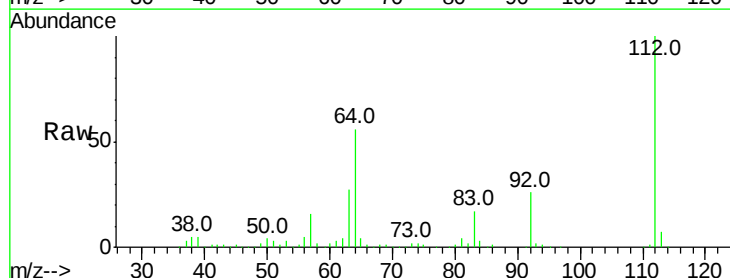
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



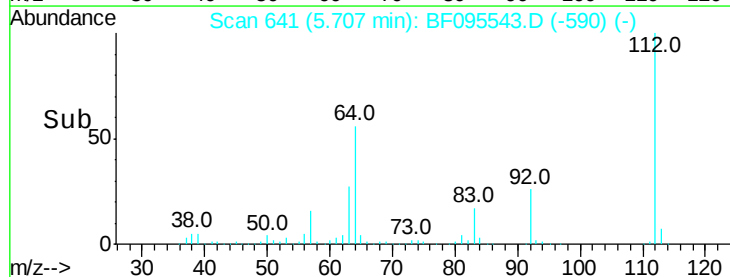
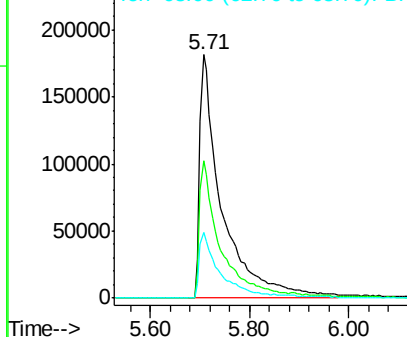
#5

2-Fluorophenol
Concen: 86.28 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095543.D
Acq: 30 May 2017 19:20

Tgt Ion:112 Resp: 561839
Ion Ratio Lower Upper
112 100
64 56.2 46.0 69.0
63 27.0 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: 68.98 ng

RT: 7.30 min Scan# 912

Delta R.T. 0.01 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

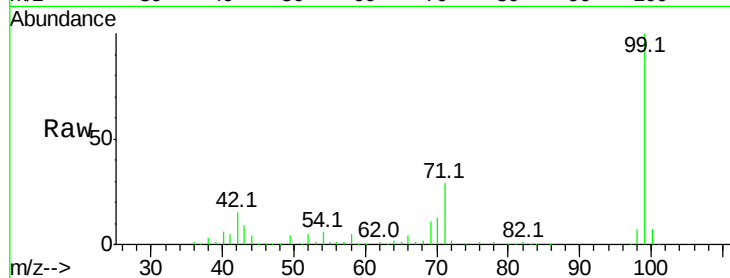
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 538980

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.5	20.3
71	29.0	24.5	36.7

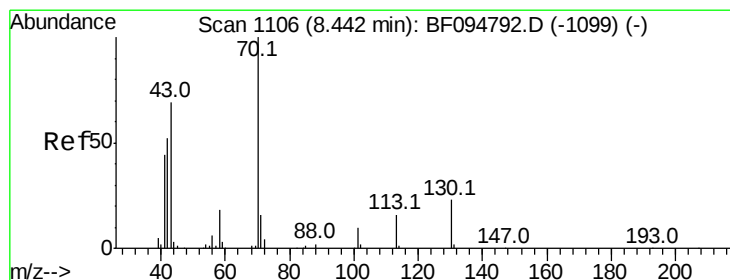
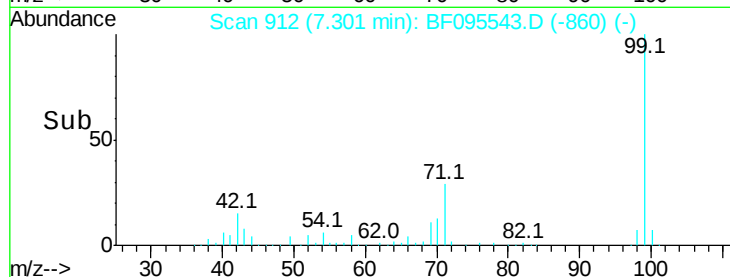
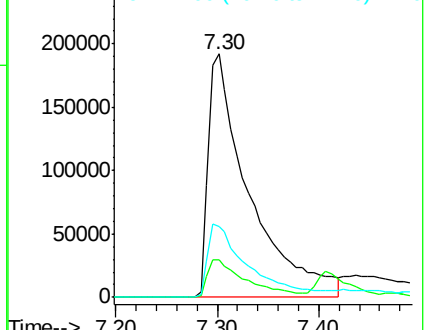


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 7.78 ng

RT: 8.65 min Scan# 1141

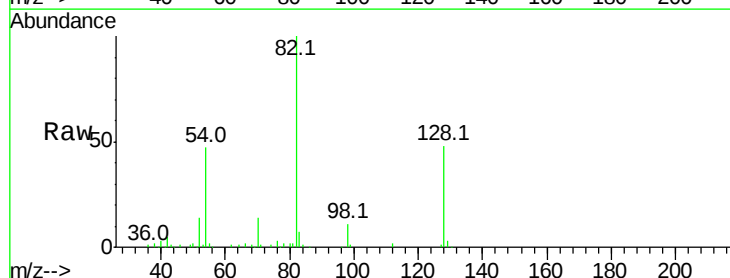
Delta R.T. 0.19 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

Tgt Ion: 70 Resp: 41127

Ion	Ratio	Lower	Upper
70	100		
42	39.8	47.2	70.8#
101	0.0	7.2	10.8#
130	2.6	15.9	23.9#



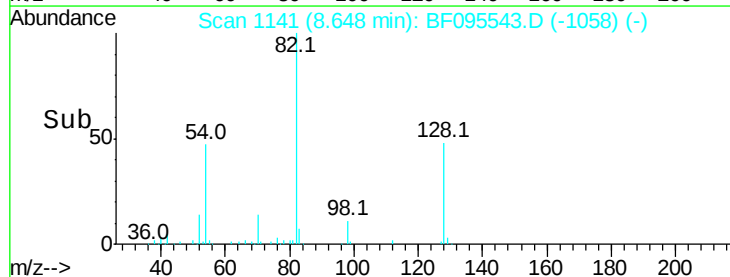
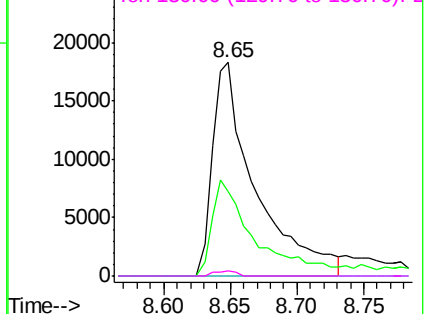
Abundance

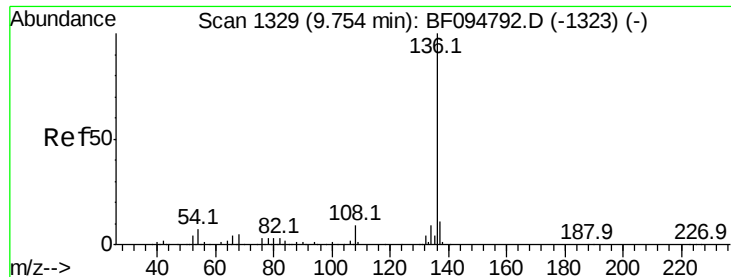
Ion 70.00 (69.70 to 70.70): BF0

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: BF095543.D

Acq: 30 May 2017 19:20

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 416702

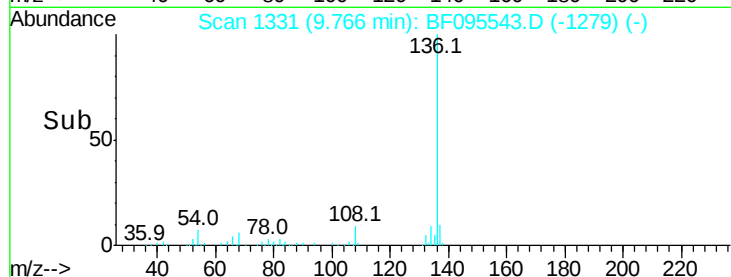
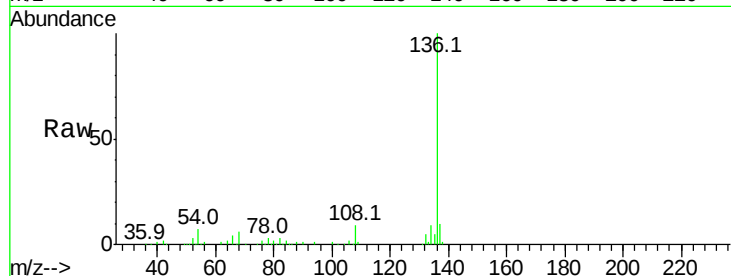
Ion Ratio Lower Upper

136 100

137 10.0 8.5 12.7

54 6.9 4.9 7.3

68 5.7 4.1 6.1

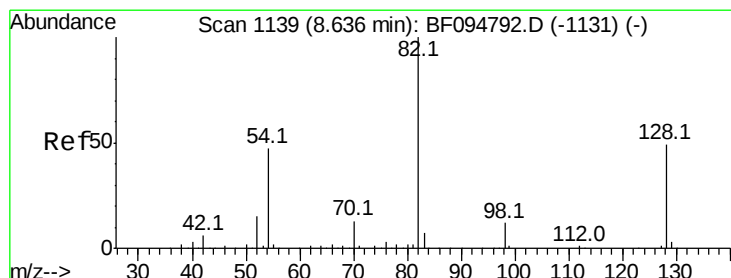
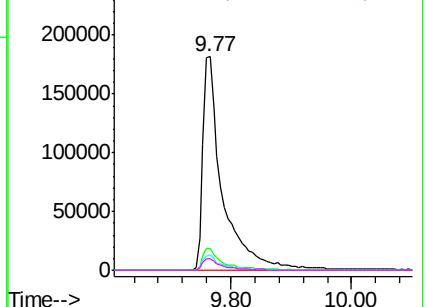


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.08 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

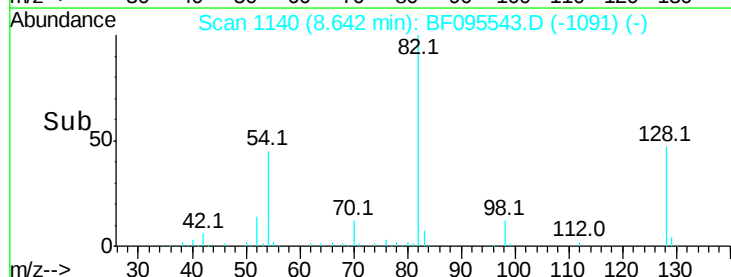
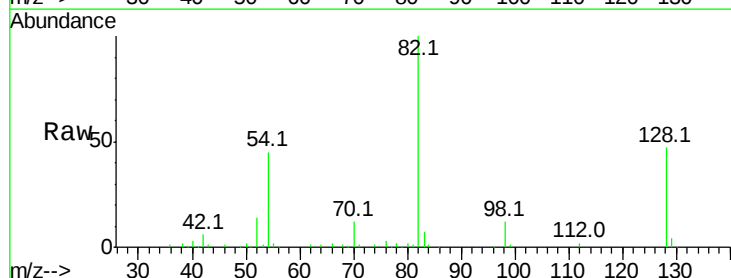
Tgt Ion: 82 Resp: 370590

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

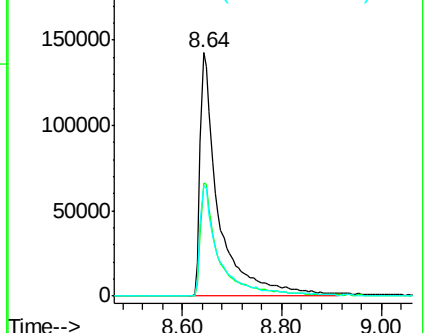
54 45.2 42.2 63.2

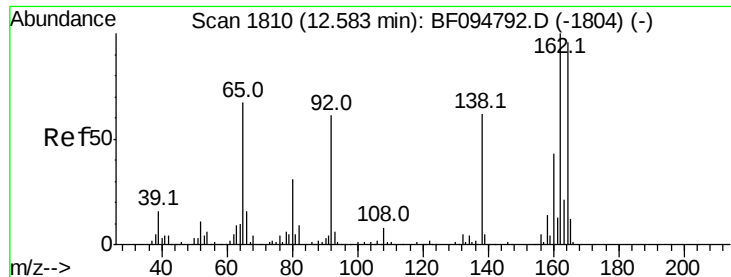


Abundance Ion 82.00 (81.70 to 82.70): BF0

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# 1812

Delta R.T. 0.00 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

Instrument :

BNA_F

ClientSampleId :

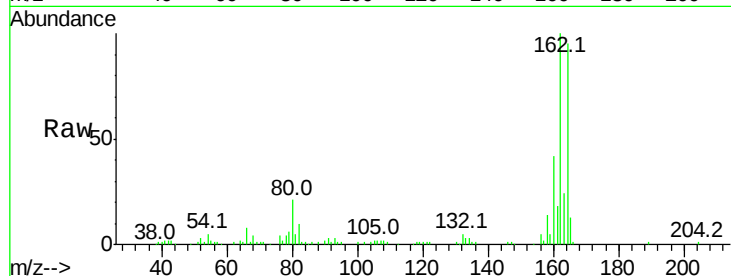
Tot Ion:164 Resp: 164083

Ion Ratio Lower Upper

164 100

162 105.7 82.6 123.8

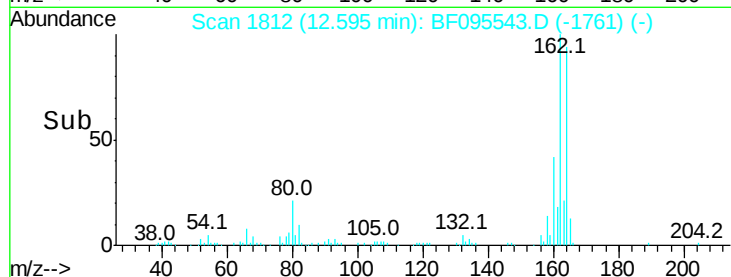
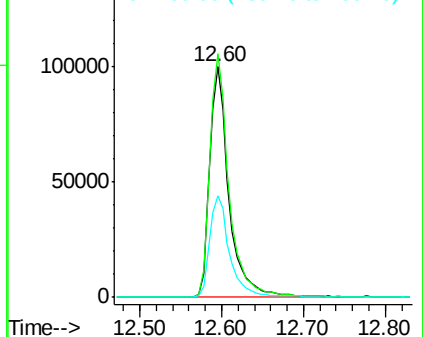
160 44.3 36.2 54.2



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: 73.35 ng

RT: 13.90 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

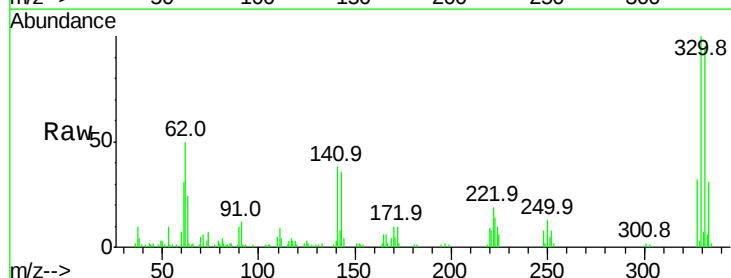
Tgt Ion:330 Resp: 98565

Ion Ratio Lower Upper

330 100

332 94.5 76.6 115.0

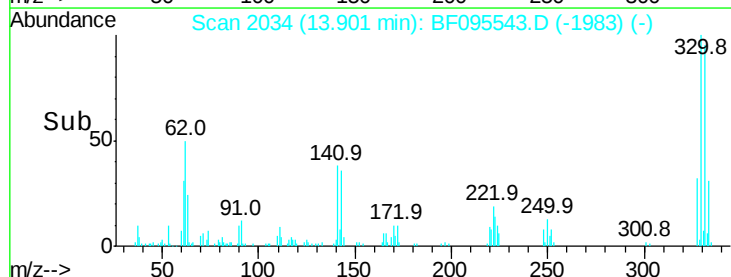
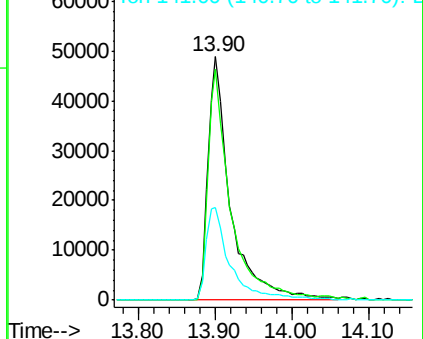
141 41.1 31.4 47.2

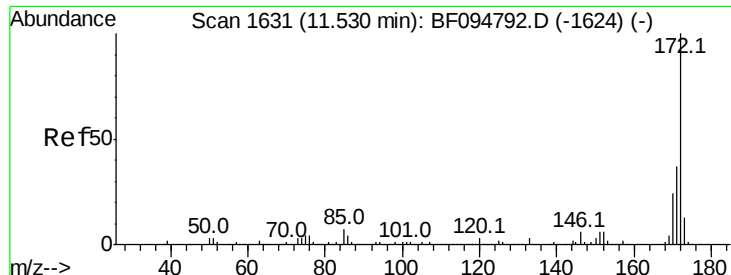


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

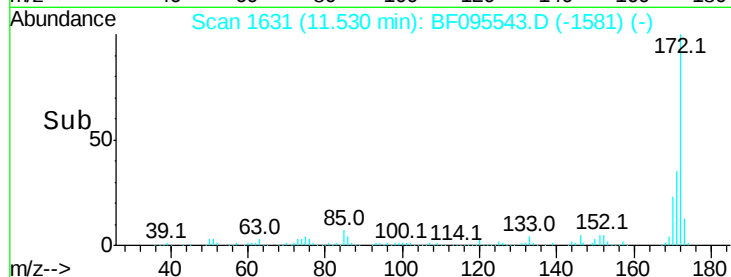
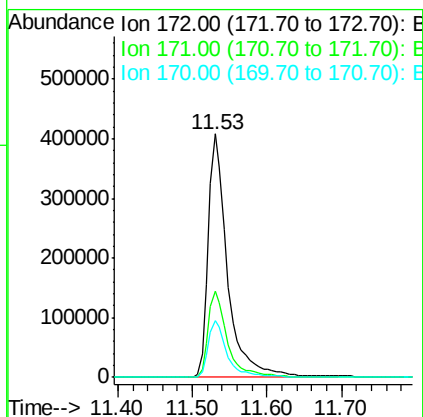
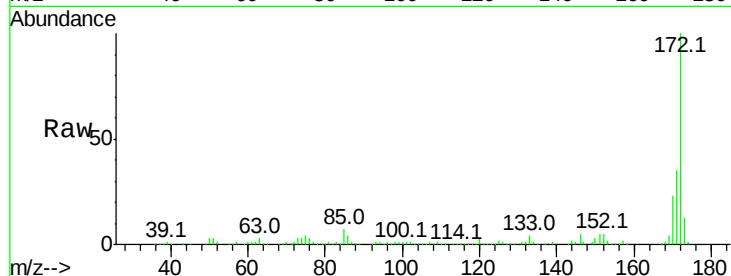




#44
 2-Fluorobiphenyl
 Concen: 64.58 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095543.D
 Acq: 30 May 2017 19:20

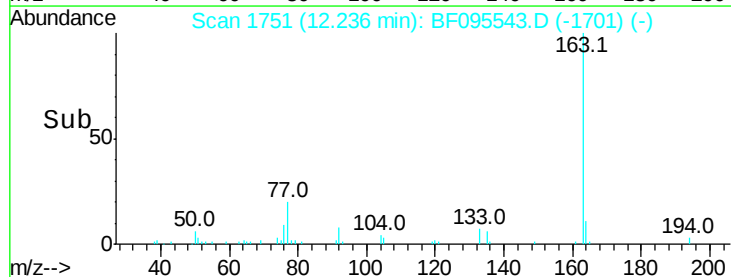
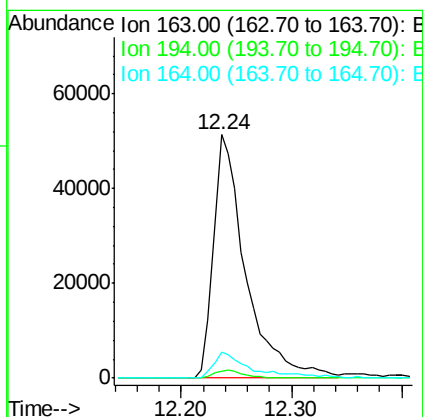
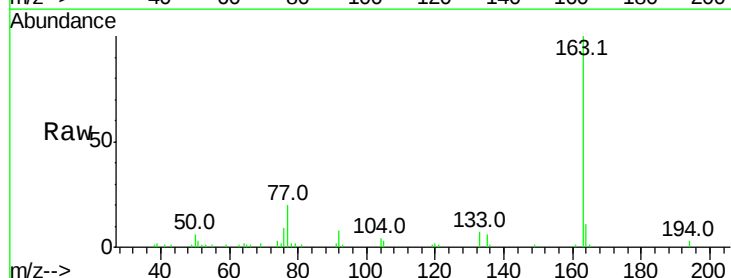
Instrument :
 BNA_F
 ClientSampleId :

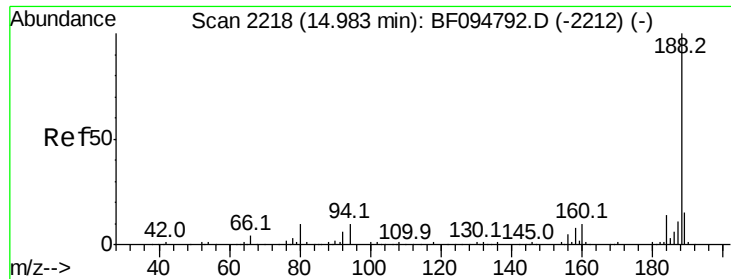
Tot Ion:172 Resp: 736199
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 23.1 19.8 29.8



#49
 Dimethylphthalate
 Concen: 7.71 ng
 RT: 12.24 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BF095543.D
 Acq: 30 May 2017 19:20

Tgt Ion:163 Resp: 103794
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.6 4.0
 164 10.9 8.4 12.6

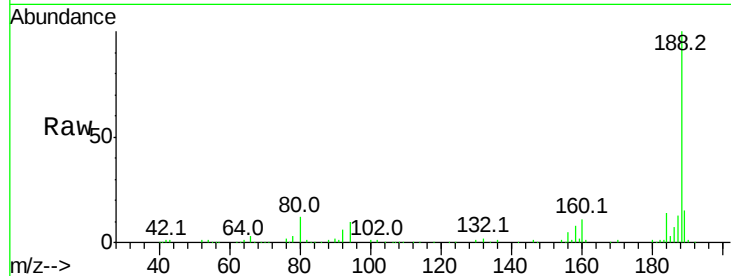




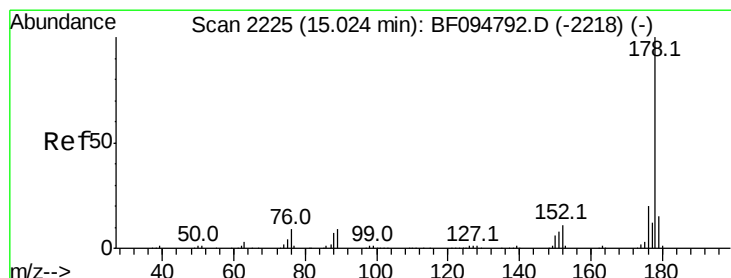
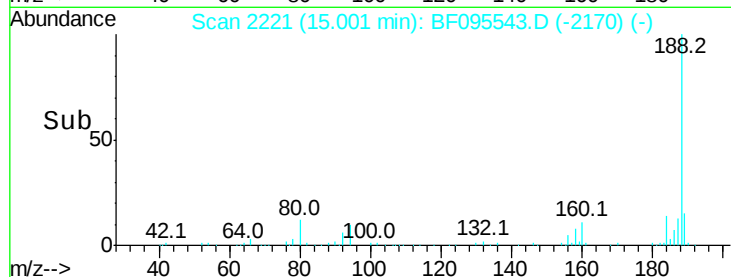
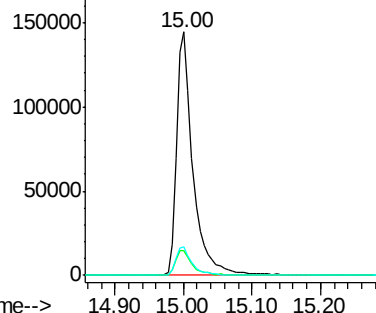
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BF095543.D
Acq: 30 May 2017 19:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 243493
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 11.9 10.2 15.2

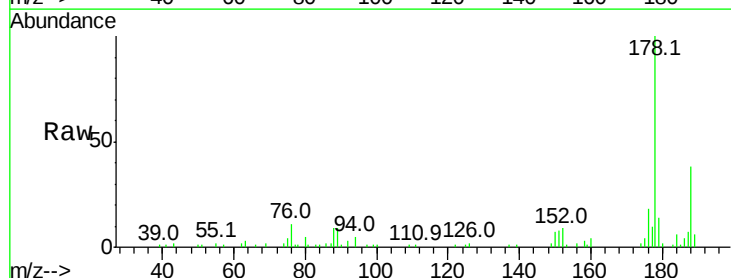


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

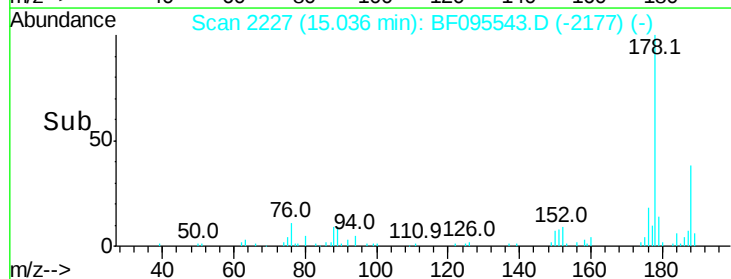
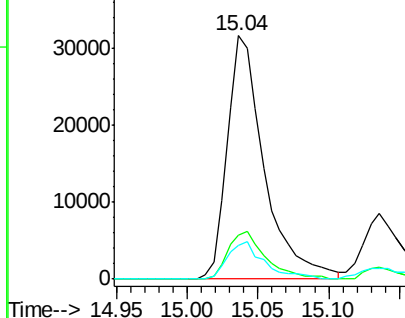


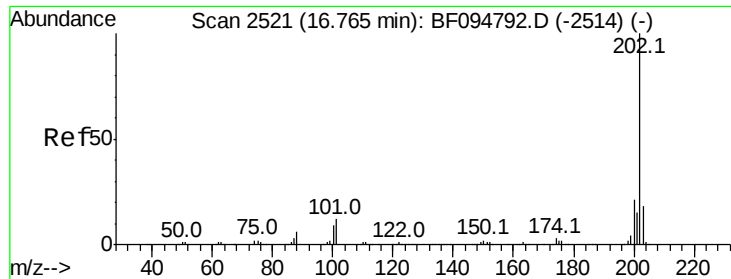
#70
Phenanthrene
Concen: 4.14 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095543.D
Acq: 30 May 2017 19:20

Tgt Ion:178 Resp: 57892
Ion Ratio Lower Upper
178 100
176 17.8 16.2 24.4
179 14.1 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





#74

Fluoranthene

Concen: 8.81 ng

RT: 16.78 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

Instrument :

BNA_F

ClientSampled :

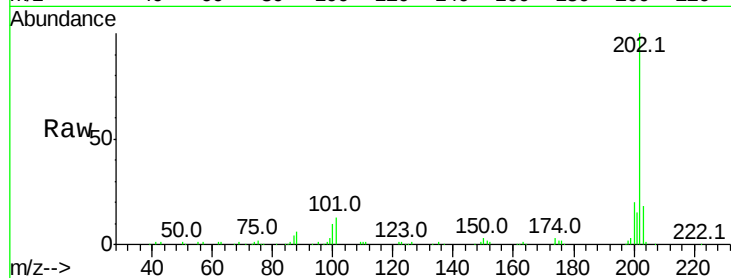
Tot Ion:202 Resp: 126407

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

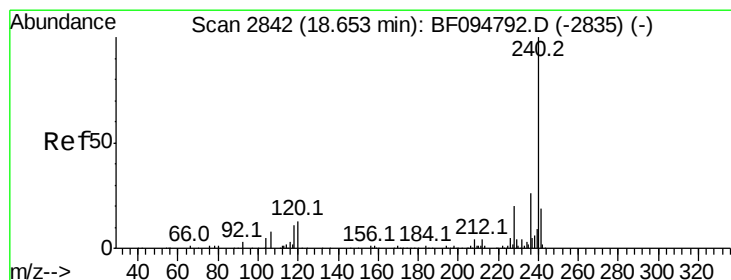
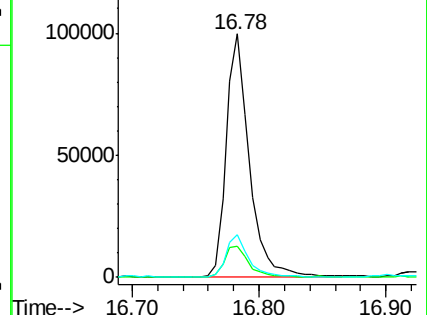
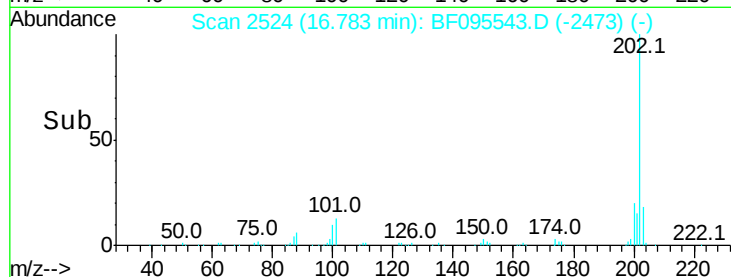
203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

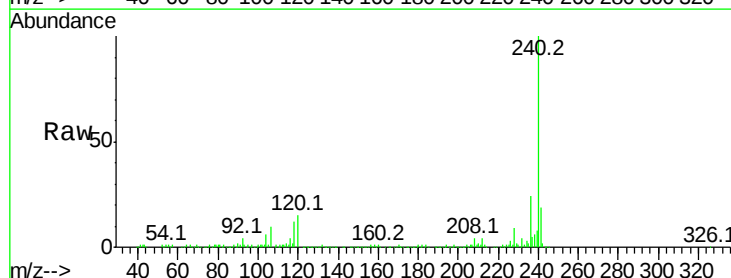
Tgt Ion:240 Resp: 244707

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

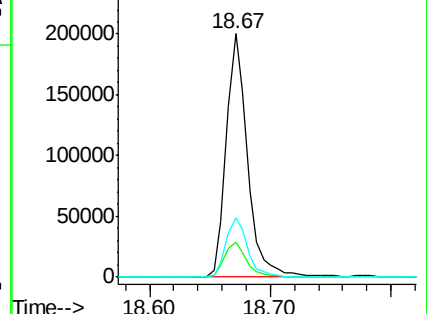
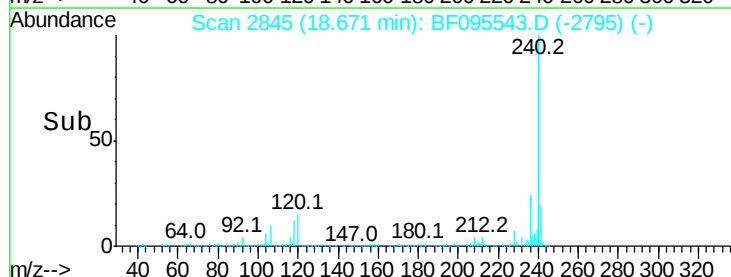
236 24.3 20.5 30.7

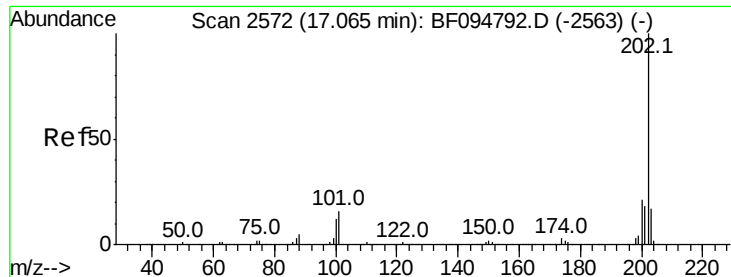


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.73 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

Instrument :

BNA_F

ClientSampleId :

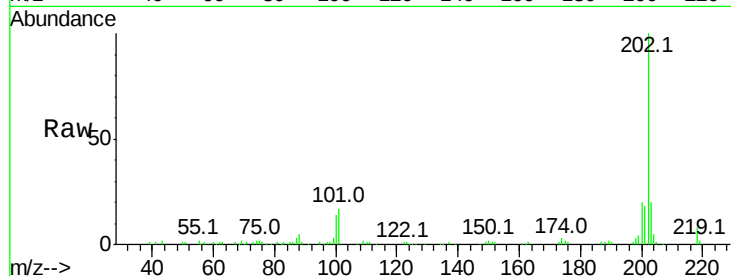
Tot Ion:202 Resp: 123215

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

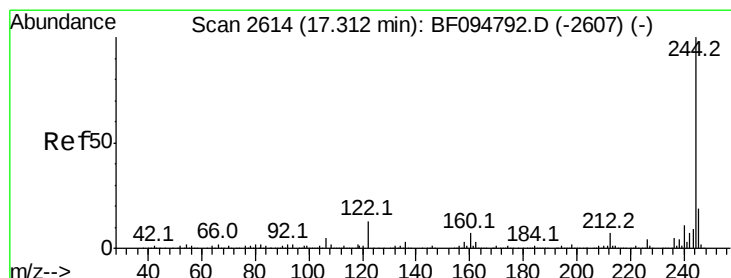
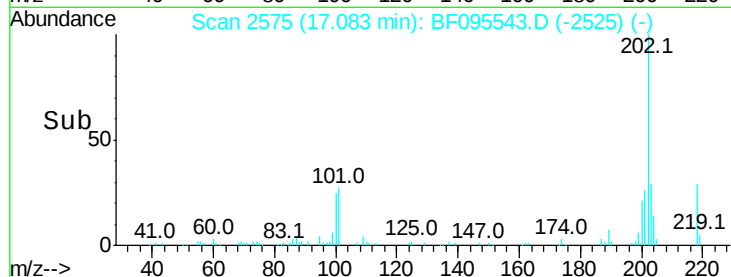
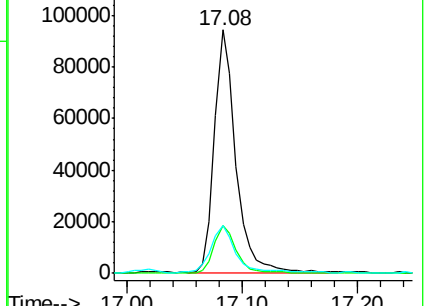
203 19.6 14.4 21.6



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: 41.27 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

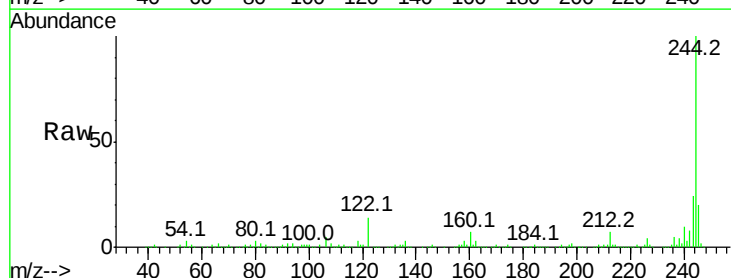
Tgt Ion:244 Resp: 458474

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

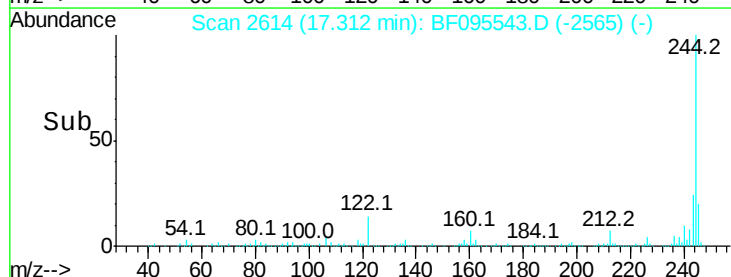
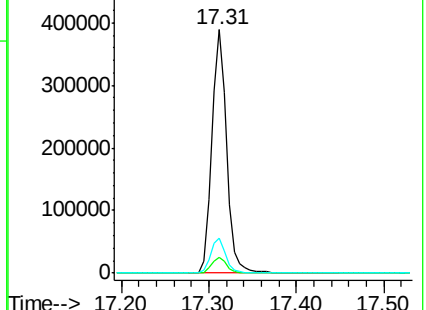
122 14.3 10.3 15.5

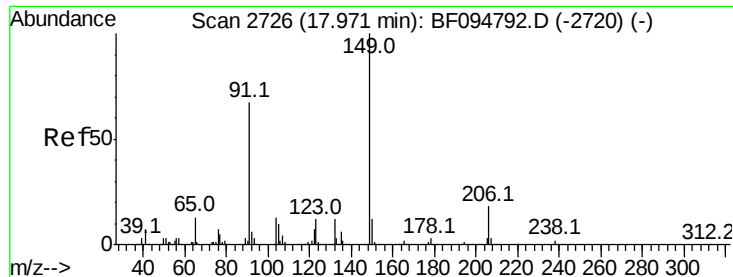


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

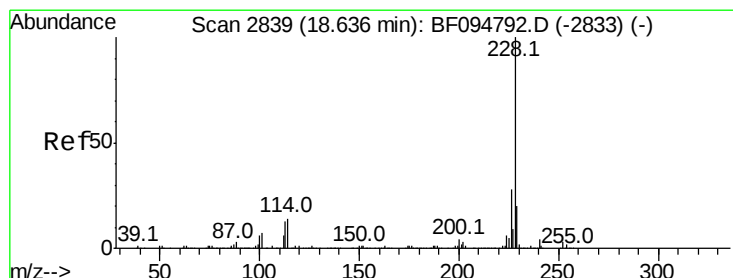
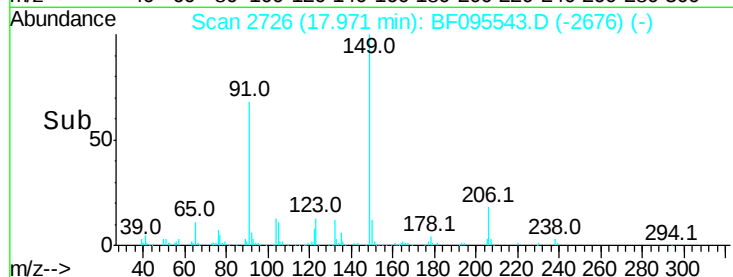
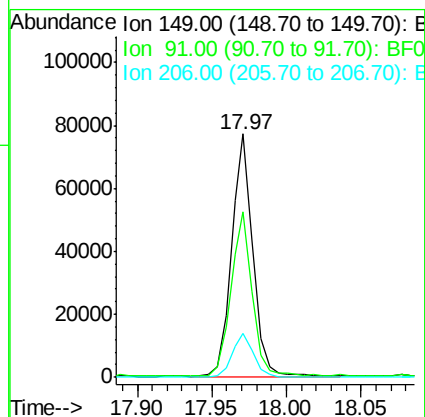
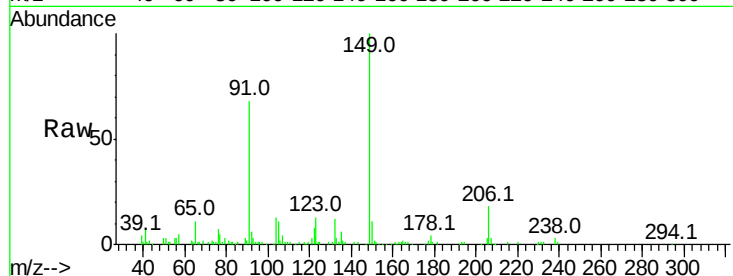




#79
Butylbenzylphthalate
Concen: 9.06 ng
RT: 17.97 min Scan# 2726
Delta R.T. -0.01 min
Lab File: BF095543.D
Acq: 30 May 2017 19:20

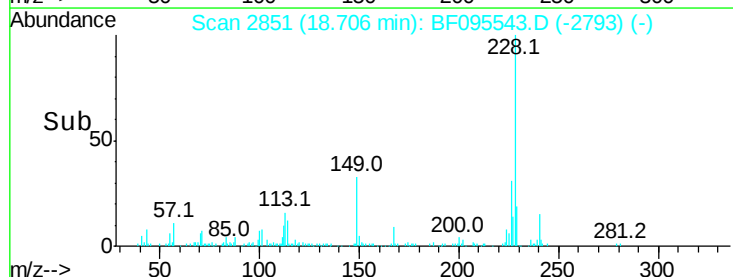
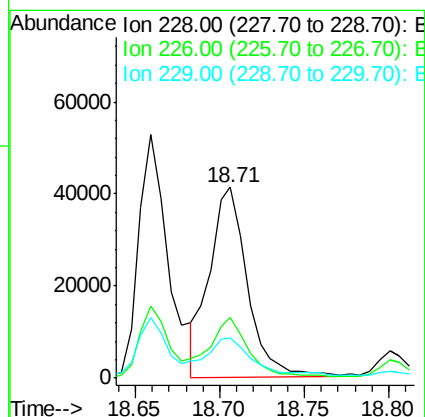
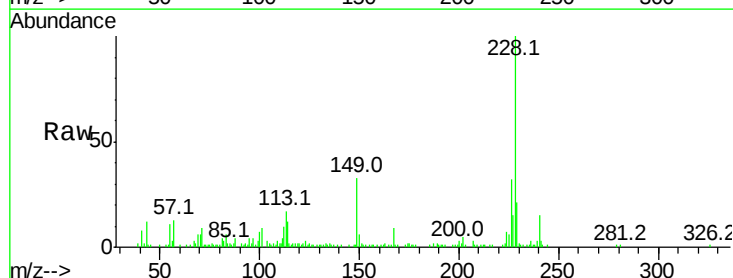
Instrument :
BNA_F
ClientSampled :

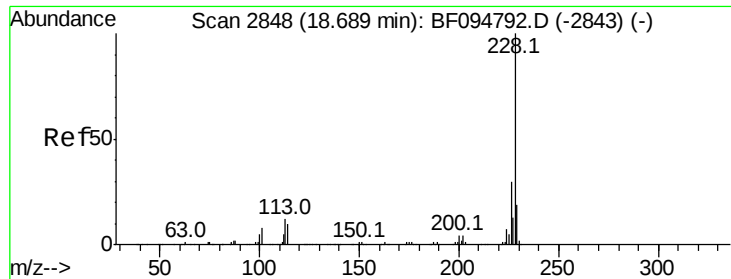
Tot Ion:149 Resp: 77101
Ion Ratio Lower Upper
149 100
91 68.0 45.0 67.4#
206 18.2 17.0 25.6



#80
Benzo(a)anthracene
Concen: 4.53 ng
RT: 18.71 min Scan# 2851
Delta R.T. 0.04 min
Lab File: BF095543.D
Acq: 30 May 2017 19:20

Tgt Ion:228 Resp: 64533
Ion Ratio Lower Upper
228 100
226 31.5 22.6 33.8
229 20.8 16.3 24.5

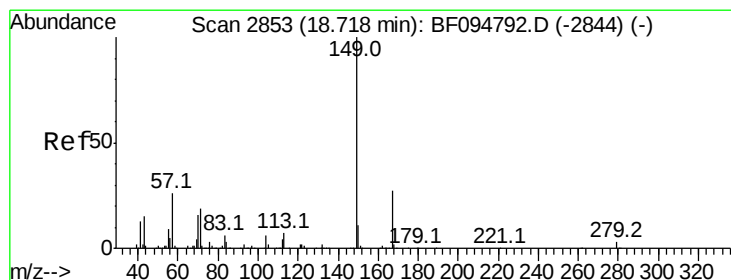
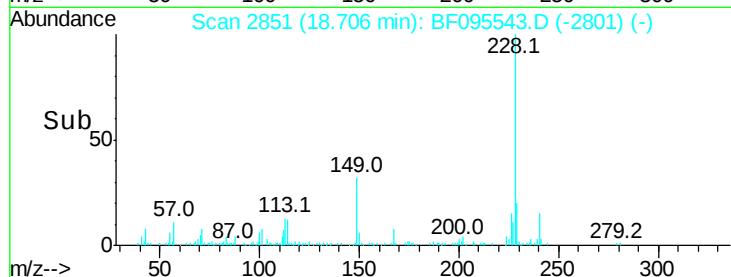
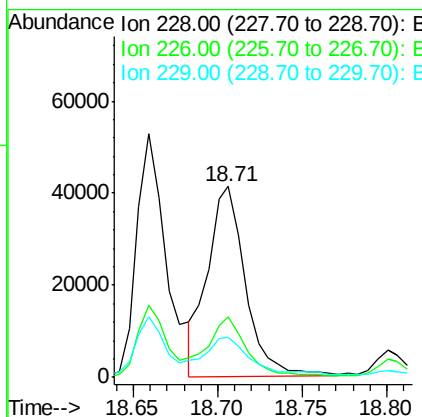
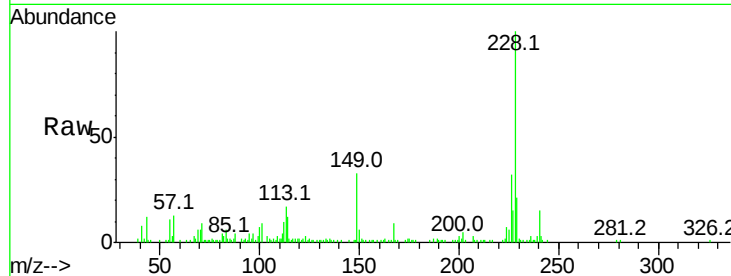




#82
 Chrysene
 Concen: 4.69 ng
 RT: 18.71 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF095543.D
 Acq: 30 May 2017 19:20

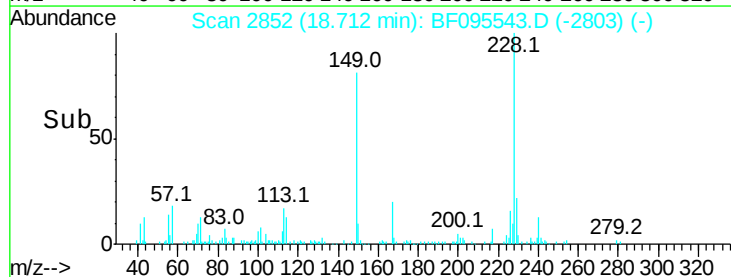
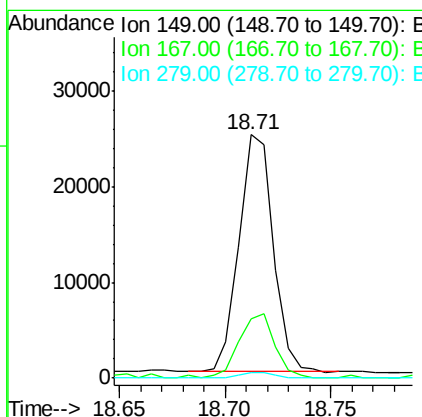
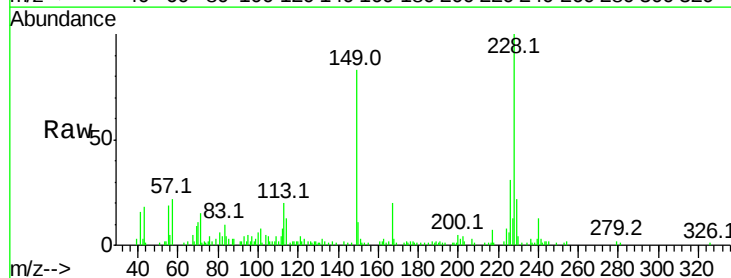
Instrument :
 BNA_F
 ClientSampleId :

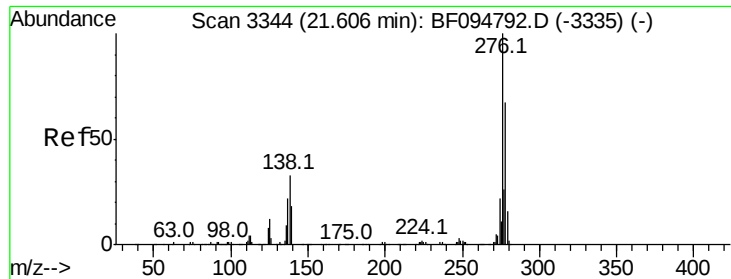
Tot Ion:228 Resp: 64533
 Ion Ratio Lower Upper
 228 100
 226 31.5 24.9 37.3
 229 20.8 15.8 23.6



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.30 ng
 RT: 18.71 min Scan# 2852
 Delta R.T. -0.01 min
 Lab File: BF095543.D
 Acq: 30 May 2017 19:20

Tgt Ion:149 Resp: 27842
 Ion Ratio Lower Upper
 149 100
 167 24.3 21.0 31.4
 279 2.3 1.9 2.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.36 ng

RT: 21.70 min Scan# 3360

Delta R.T. 0.02 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

Instrument :

BNA_F

ClientSampleId :

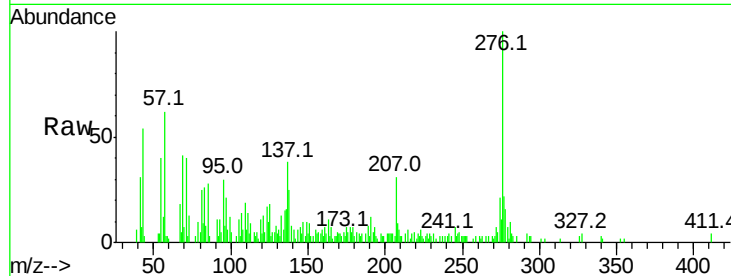
Tot Ion:276 Resp: 26375

Ion Ratio Lower Upper

276 100

138 40.4 27.8 41.6

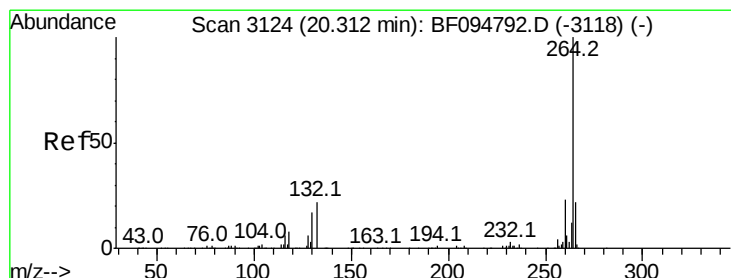
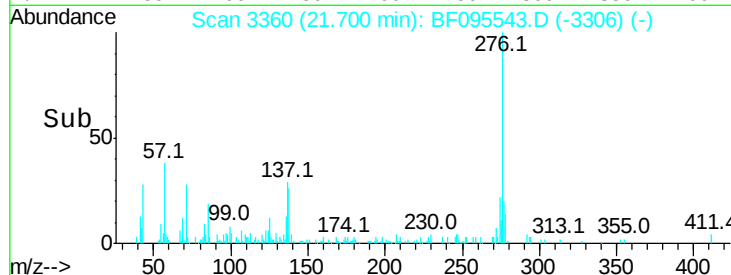
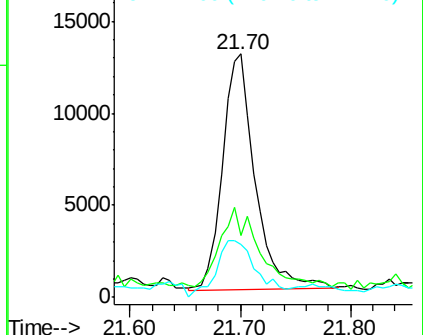
277 29.9 20.2 30.4



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: 20.35 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

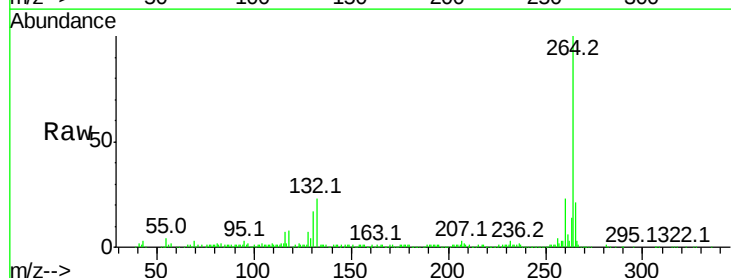
Tgt Ion:264 Resp: 185862

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

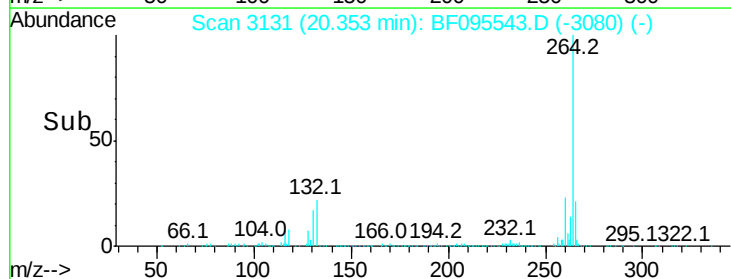
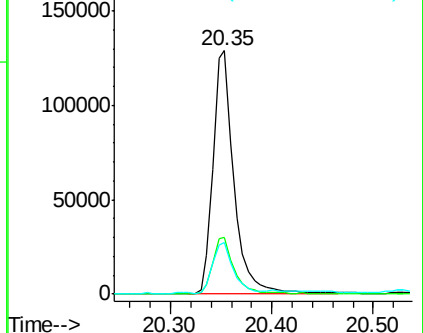
265 20.9 17.2 25.8

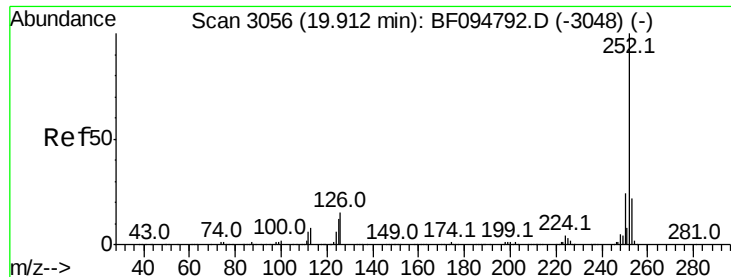


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.41 ng

RT: 19.95 min Scan# 3062

Delta R.T. 0.01 min

Lab File: BF095543.D

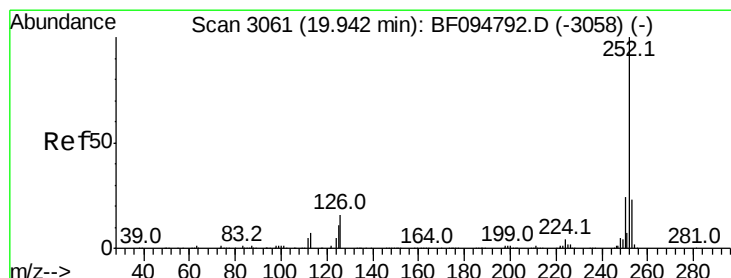
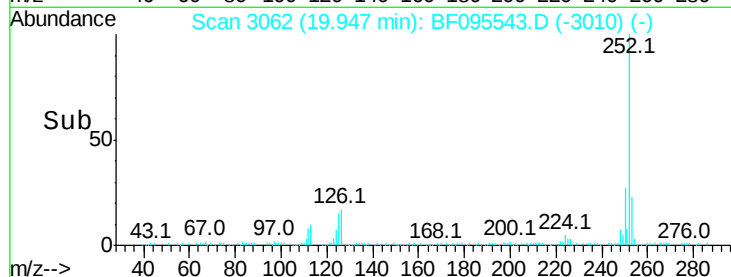
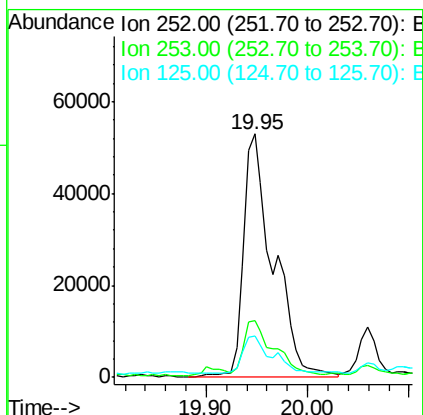
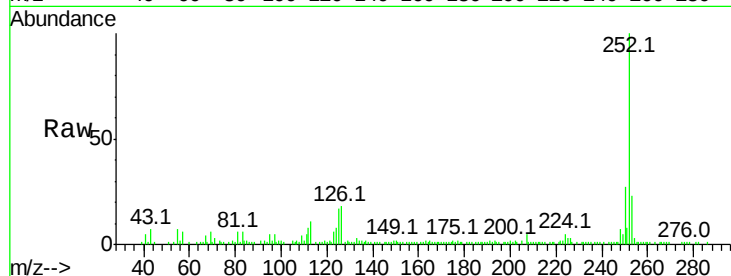
Acq: 30 May 2017 19:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	108051
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	16.9	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 9.75 ng

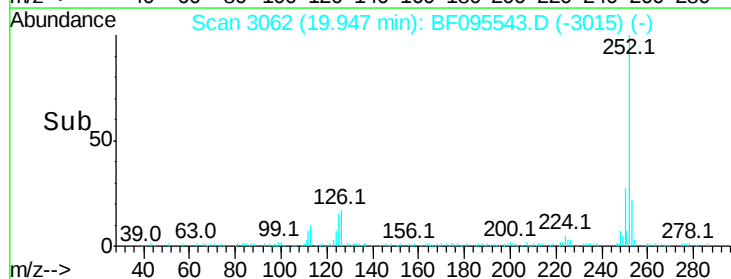
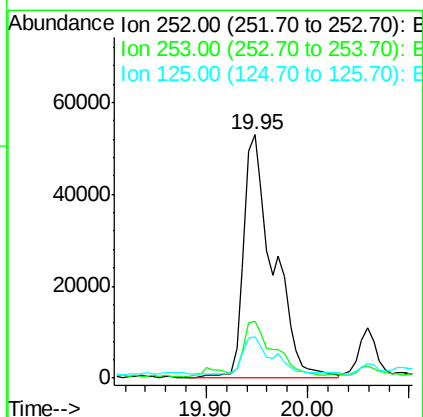
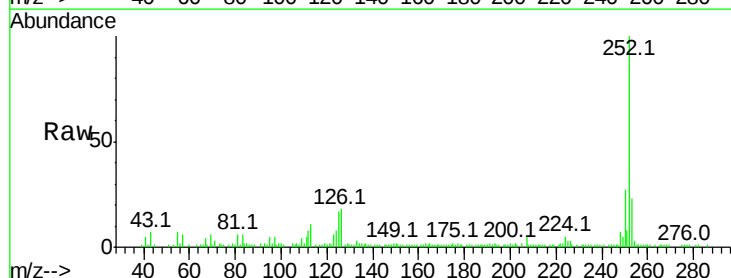
RT: 19.95 min Scan# 3062

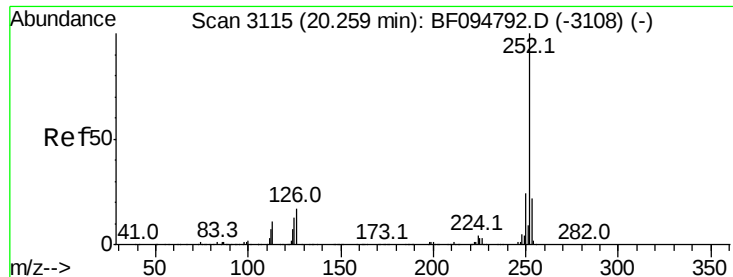
Delta R.T. -0.02 min

Lab File: BF095543.D

Acq: 30 May 2017 19:20

Tgt Ion:	252	Resp:	108051
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.4	27.6
125	16.9	13.1	19.7

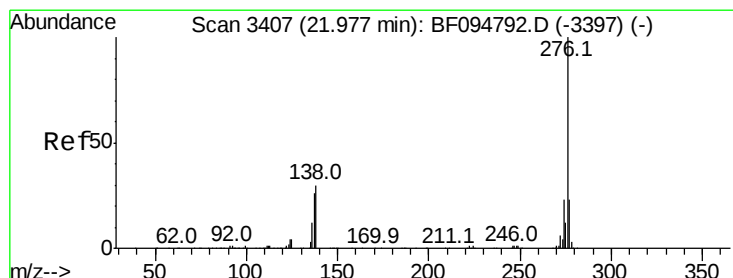
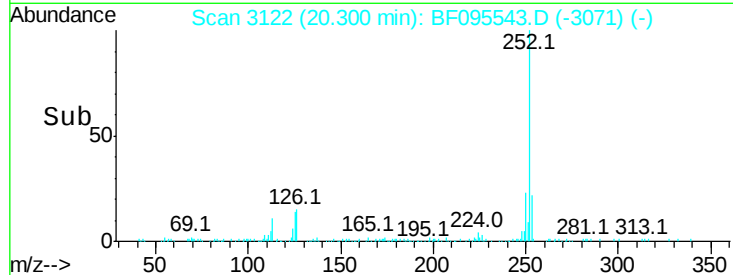
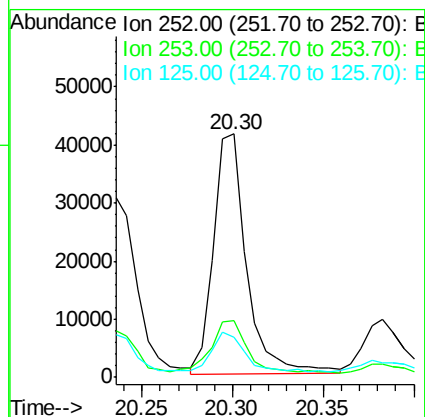
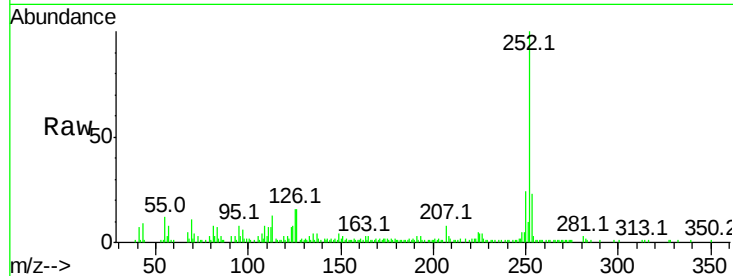




#89
Benzo(a)pyrene
Concen: 4.96 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095543.D
Acq: 30 May 2017 19:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 52545
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 16.2 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 3.01 ng
RT: 22.09 min Scan# 3426
Delta R.T. 0.02 min
Lab File: BF095543.D
Acq: 30 May 2017 19:20

Tgt Ion:276 Resp: 25880
Ion Ratio Lower Upper
276 100
277 27.9 18.6 28.0
138 38.6 25.4 38.0#

