

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095544.D
 Acq On : 30 May 2017 19:52
 Operator : SJ/MA
 Sample : I3302-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:42:13 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	107665	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	411998	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	170013	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	245817	20.00	ng	0.00
75) Chrysene-d12	18.67	240	240755	20.00	ng	0.00
86) Perylene-d12	20.35	264	175889	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	638294	98.84	ng	0.00
7) Phenol-d6	7.30	99	689956	89.05	ng	0.00
23) Nitrobenzene-d5	8.64	82	418390	64.04	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	111648	80.19	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	810398	68.61	ng	0.00
78) Terphenyl-d14	17.31	244	533860	48.84	ng	-0.01

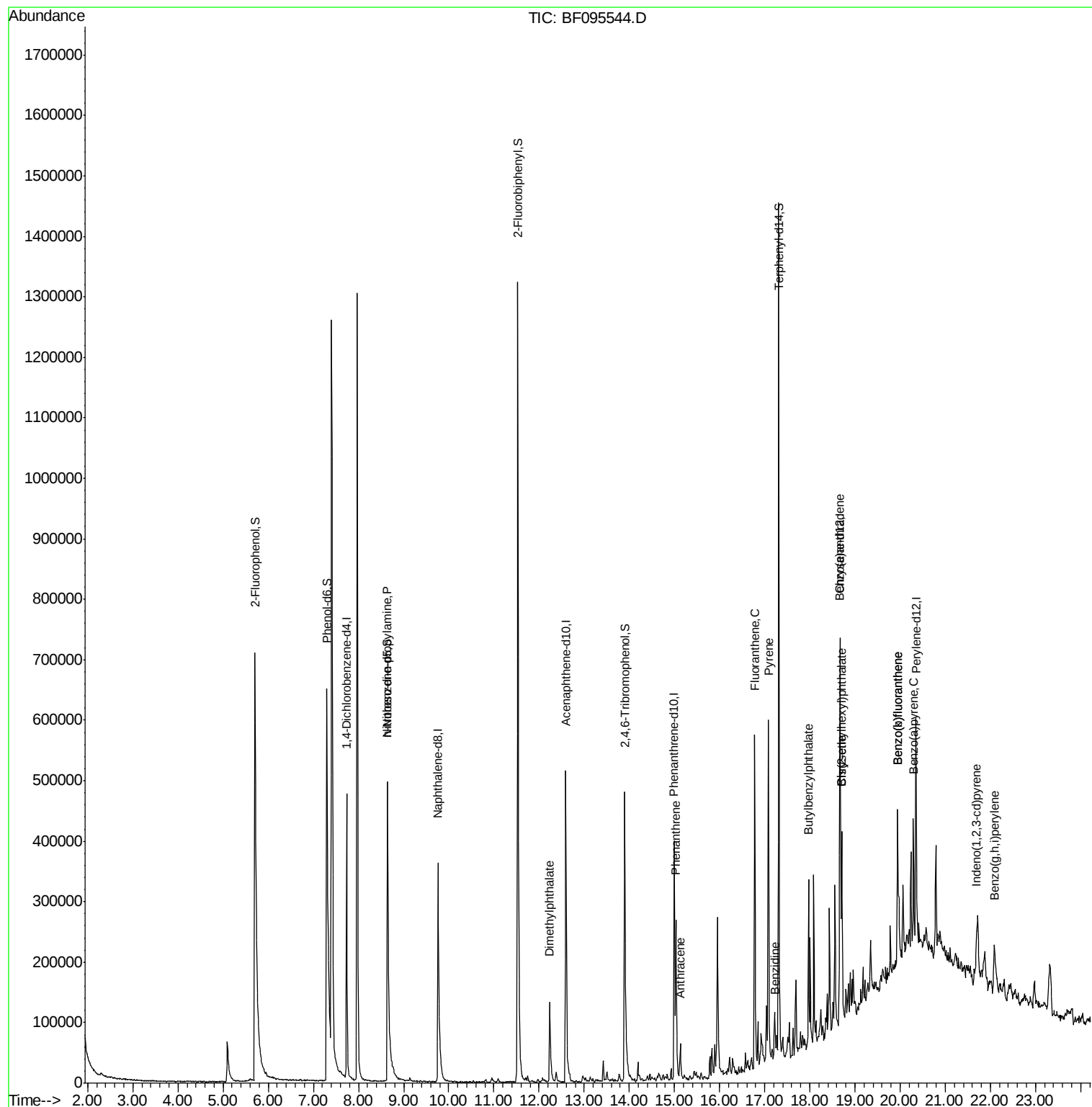
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.64	70	47922	9.14	ng	# 73
49) Dimethylphthalate	12.24	163	119582	8.57	ng	99
70) Phenanthrene	15.04	178	162283	11.49	ng	96
71) Anthracene	15.13	178	42366	2.94	ng	96
74) Fluoranthene	16.78	202	303440	20.94	ng	99
76) Benzidine	17.24	184	108	6.60	ng	# 62
77) Pyrene	17.08	202	271522	15.08	ng	99
79) Butylbenzylphthalate	17.97	149	74827	8.93	ng	89
80) Benzo(a)anthracene	18.66	228	127882	9.13	ng	96
82) Chrysene	18.71	228	131843	9.73	ng	98
83) Bis(2-ethylhexyl)phthalate	18.71	149	40352	3.38	ng	99
85) Indeno(1,2,3-cd)pyrene	21.69	276	51625	4.69	ng	96
87) Benzo(b)fluoranthene	19.94	252	189080	17.40	ng	# 96
88) Benzo(k)fluoranthene	19.94	252	189080	18.04	ng	99
89) Benzo(a)pyrene	20.29	252	100147	9.99	ng	# 94
91) Benzo(g,h,i)perylene	22.08	276	51080	6.28	ng	92

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

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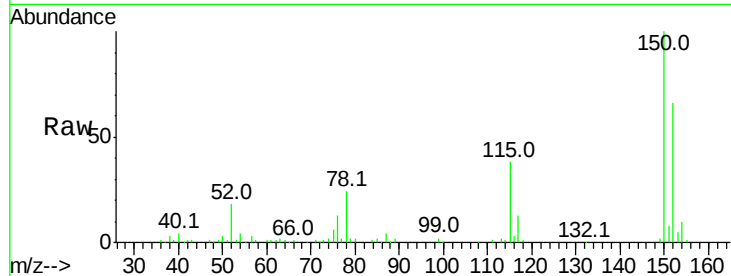


#1

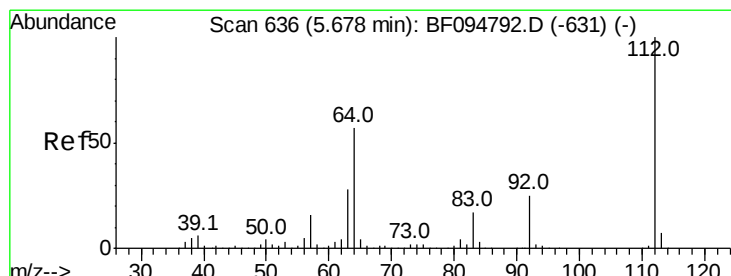
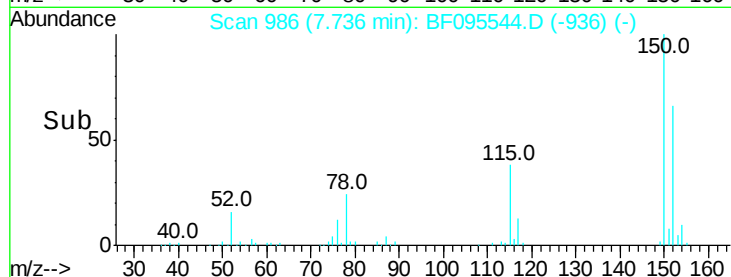
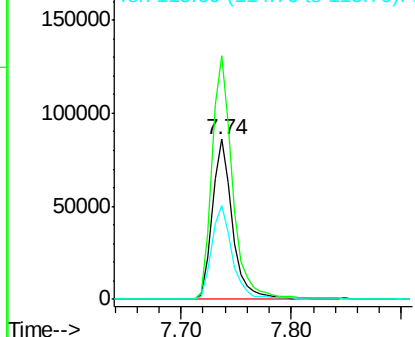
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 107665
Ion Ratio Lower Upper
152 100
150 151.8 126.2 189.2
115 58.4 52.2 78.2



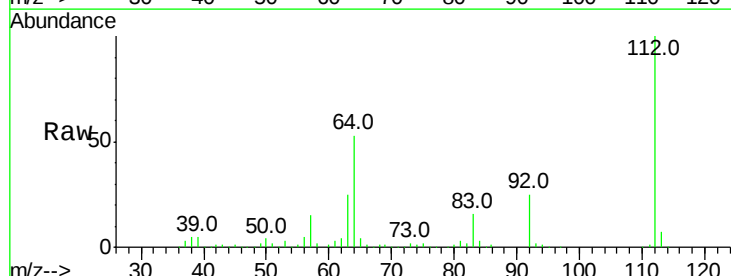
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



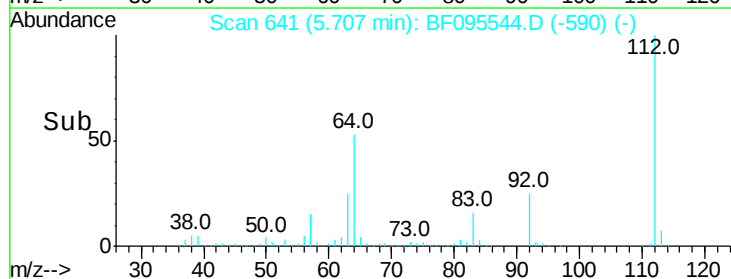
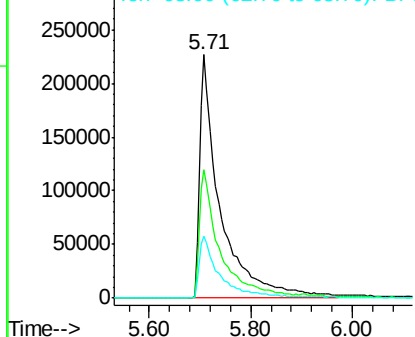
#5

2-Fluorophenol
Concen: 98.84 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Tgt Ion:112 Resp: 638294
Ion Ratio Lower Upper
112 100
64 52.6 46.0 69.0
63 25.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 89.05 ng

RT: 7.30 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :

BNA_F

ClientSampleId :

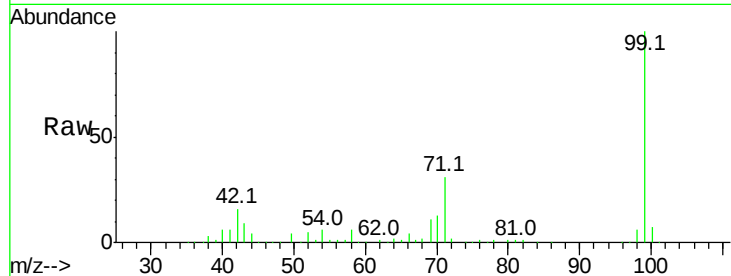
Tot Ion: 99 Resp: 689956

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

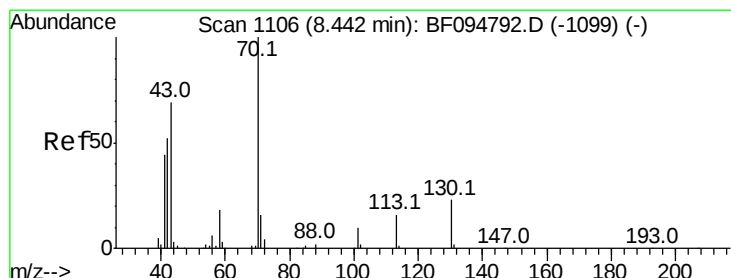
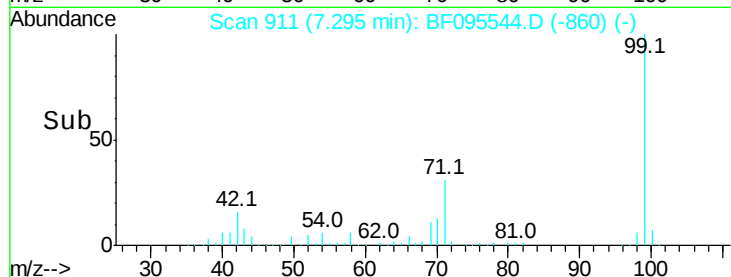
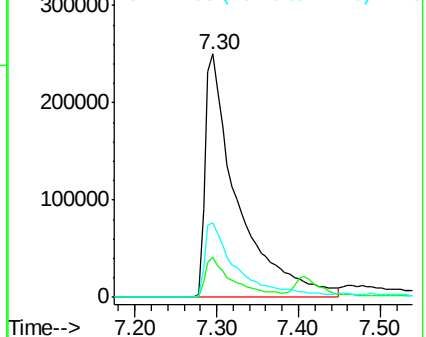
71 30.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 9.14 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Tgt Ion: 70 Resp: 47922

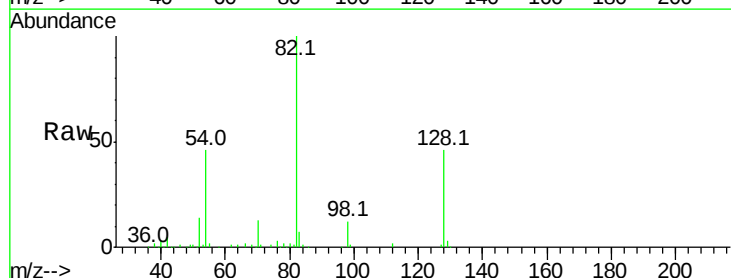
Ion Ratio Lower Upper

70 100

42 41.7 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

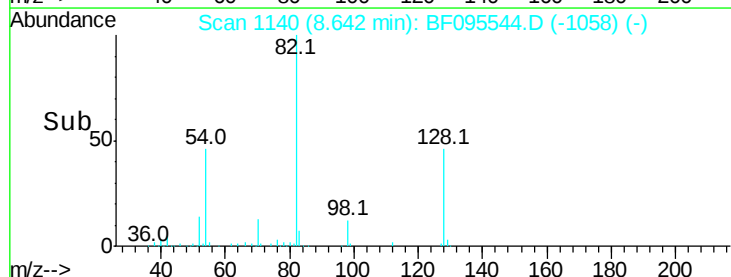
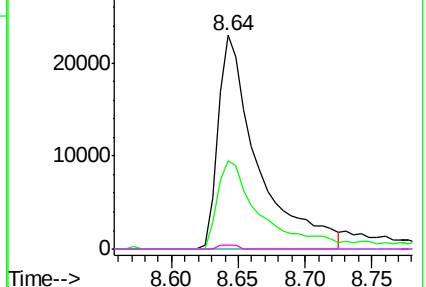


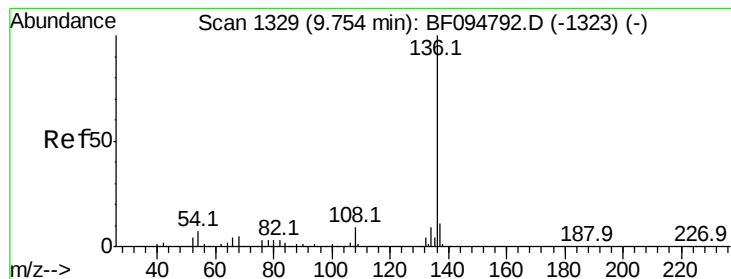
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.76 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 411998

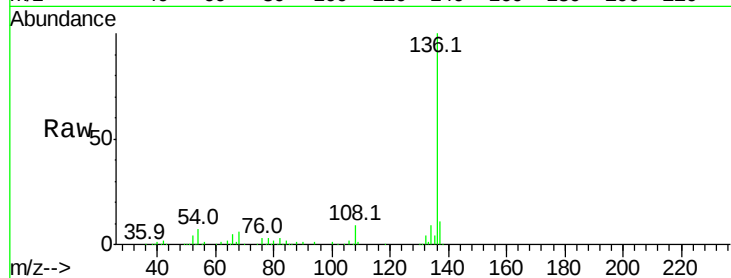
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.5 4.9 7.3#

68 5.8 4.1 6.1

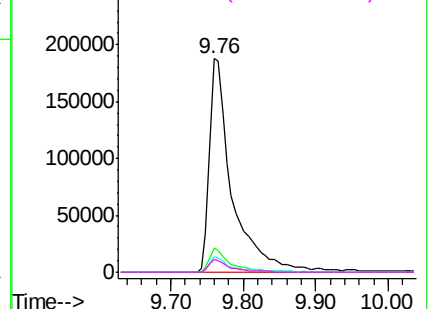
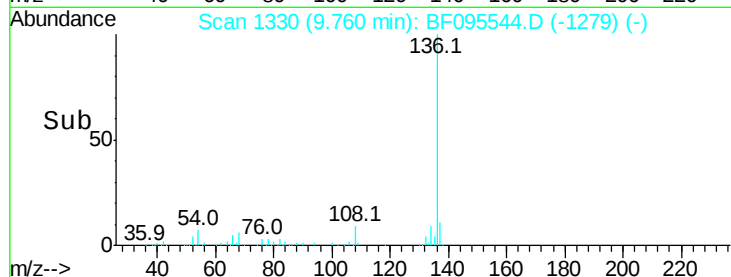


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.04 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

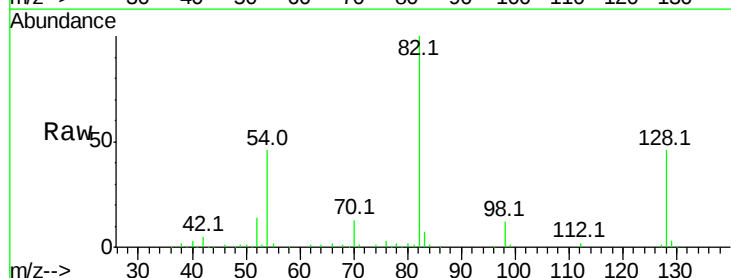
Tgt Ion: 82 Resp: 418390

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

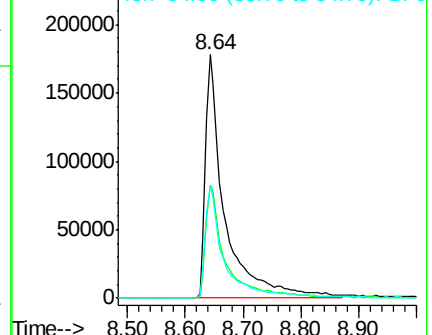
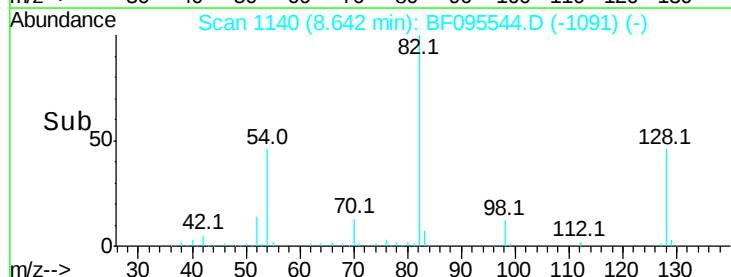
54 45.8 42.2 63.2

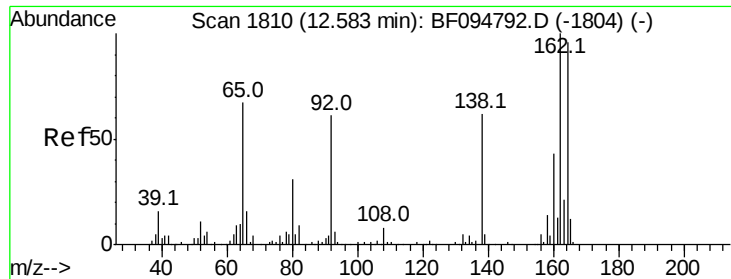


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.59 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :

BNA_F

ClientSampleId :

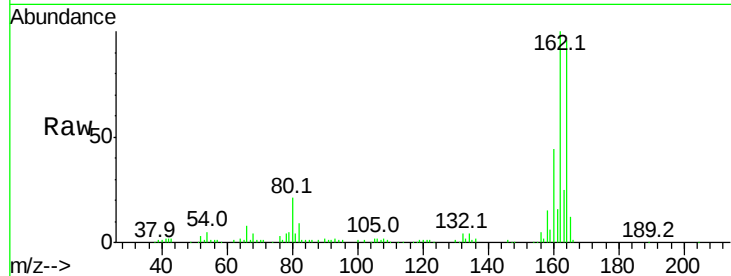
Tot Ion:164 Resp: 170013

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

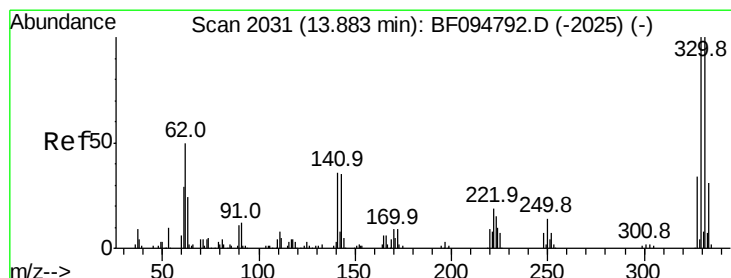
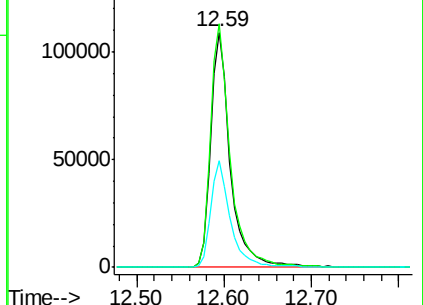
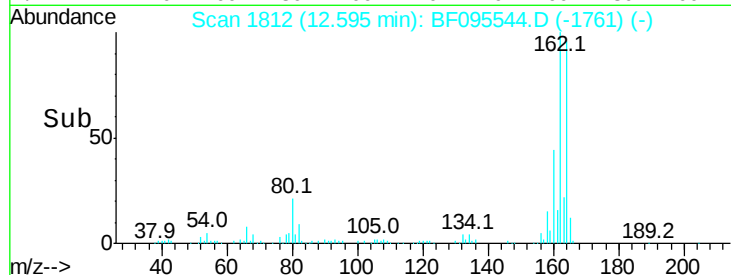
160 45.3 36.2 54.2



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: 80.19 ng

RT: 13.89 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

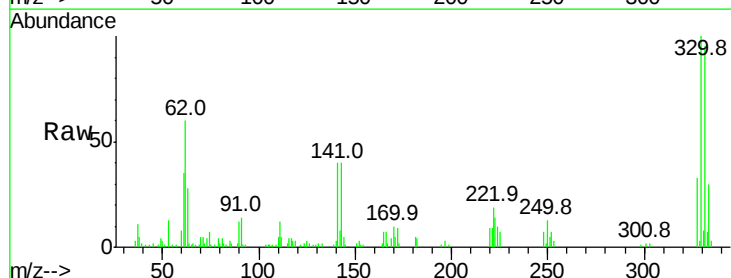
Tgt Ion:330 Resp: 111648

Ion Ratio Lower Upper

330 100

332 97.0 76.6 115.0

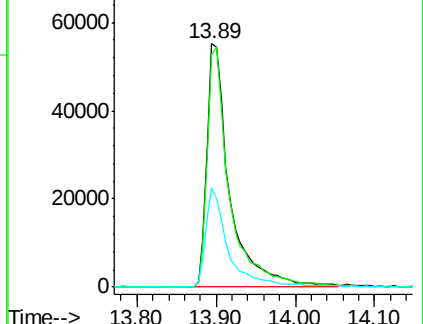
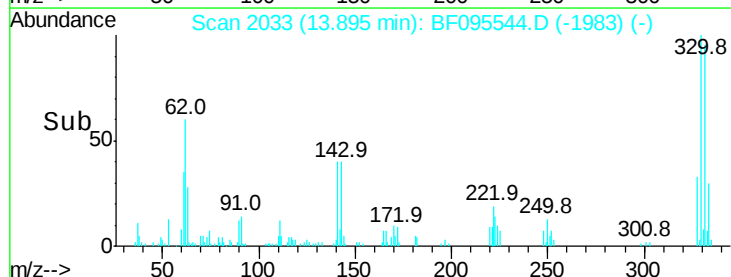
141 39.8 31.4 47.2

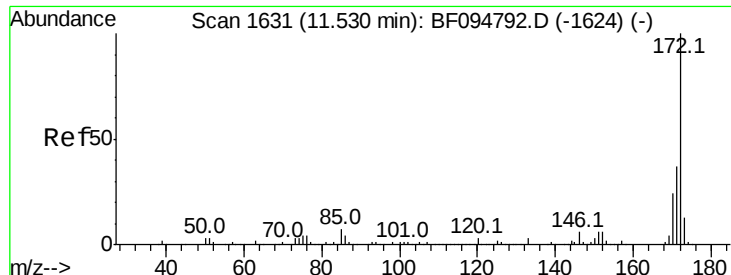


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

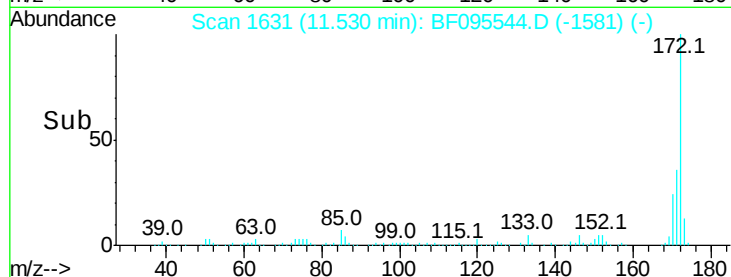
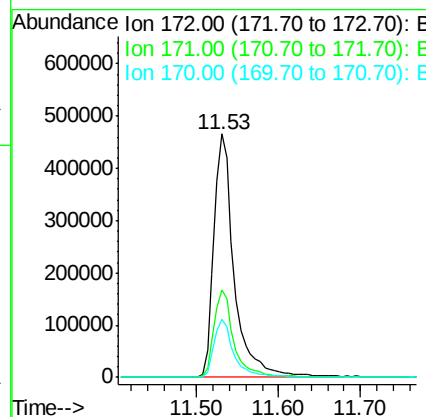
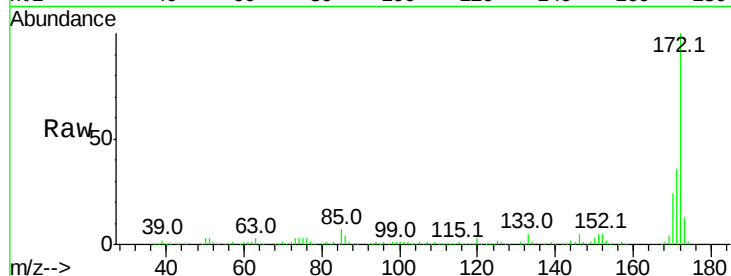




#44
2-Fluorobiphenyl
Concen: 68.61 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

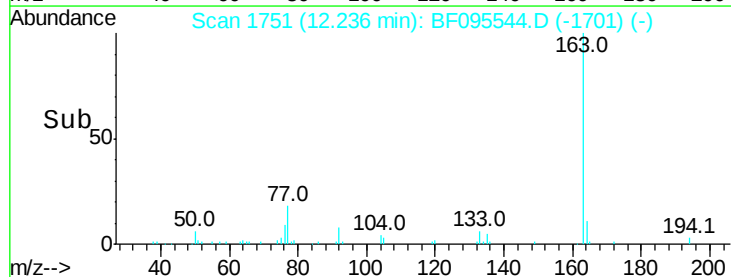
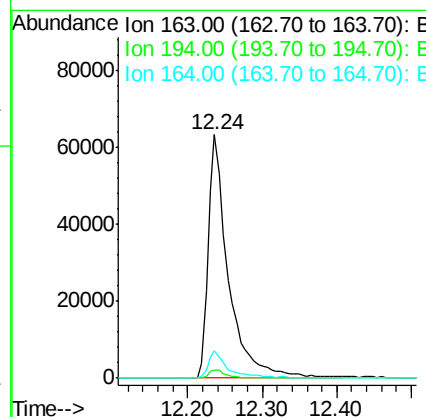
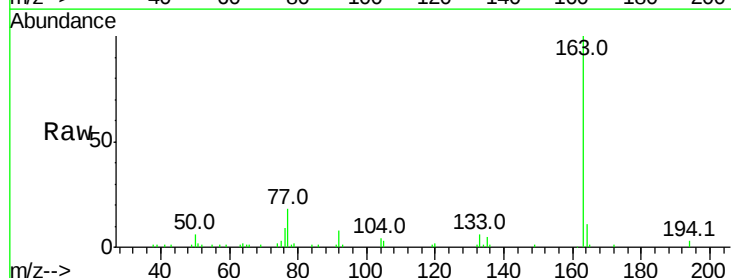
Instrument :
BNA_F
ClientSampleId :

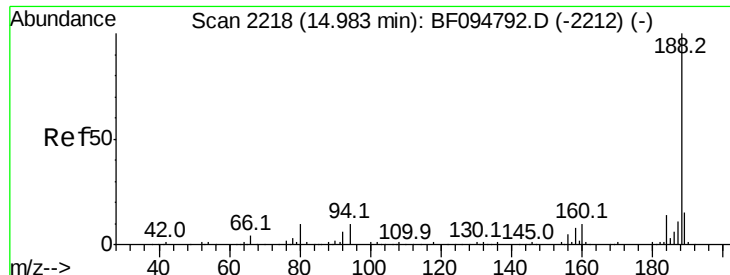
Tot Ion:172 Resp: 810398
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 8.57 ng
RT: 12.24 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Tgt Ion:163 Resp: 119582
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 11.0 8.4 12.6

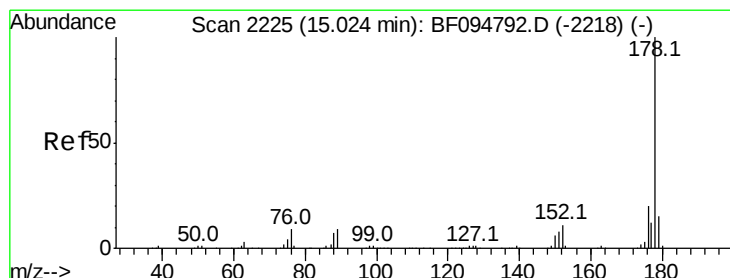
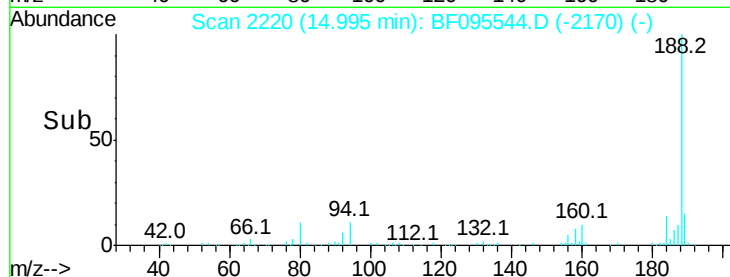
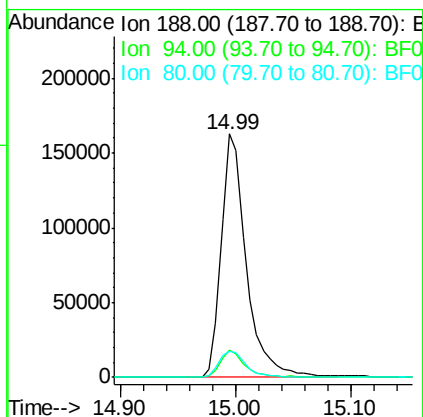
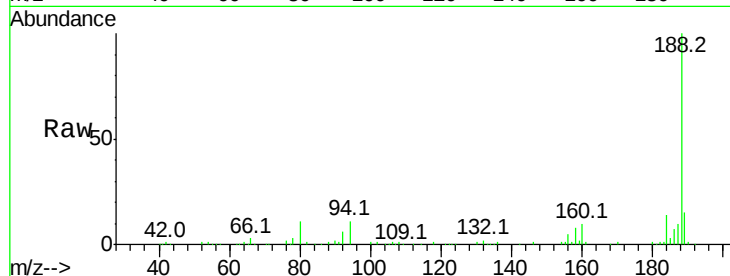




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.99 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

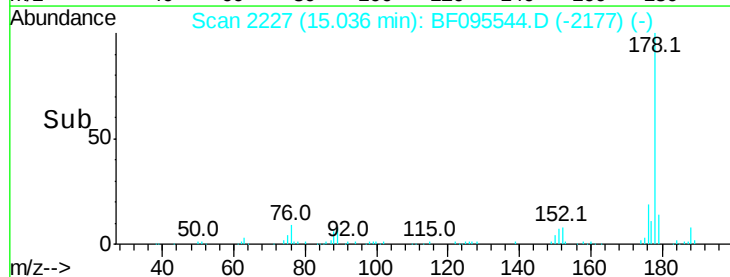
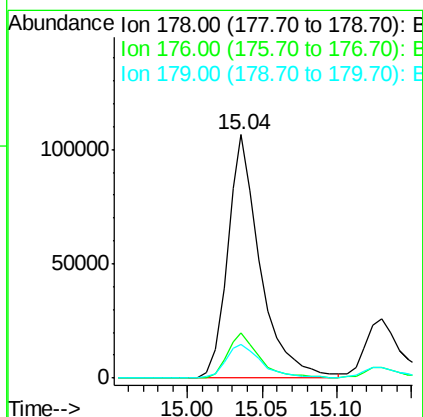
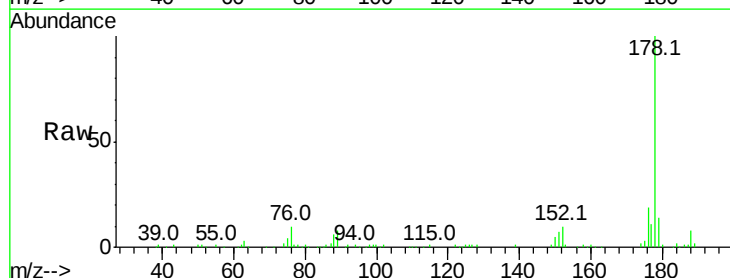
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 BNA_F
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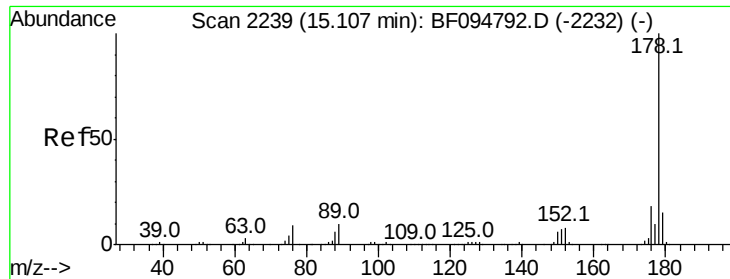
Tot Ion:188 Resp: 245817
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 10.8 10.2 15.2



#70
 Phenanthrene
 Concen: 11.49 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Tgt Ion:178 Resp: 162283
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.4
 179 14.0 12.6 19.0

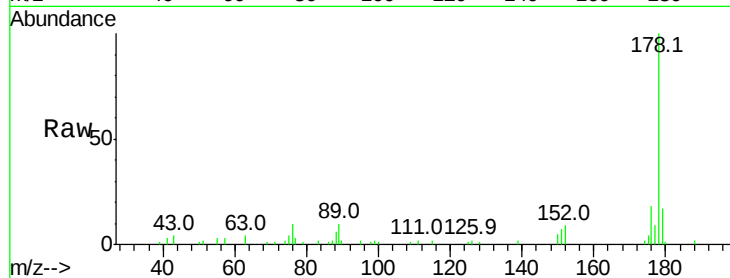




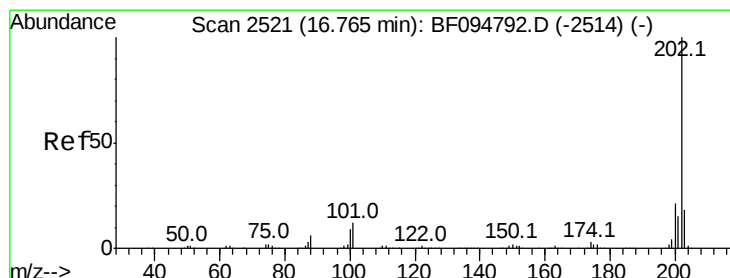
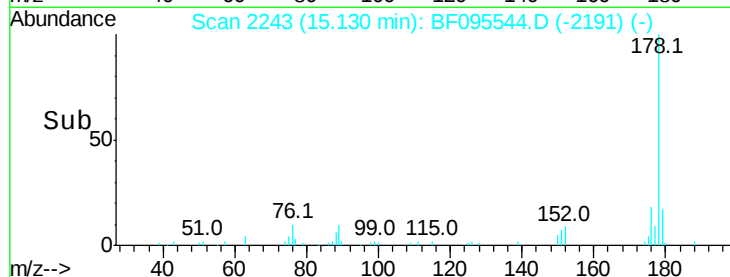
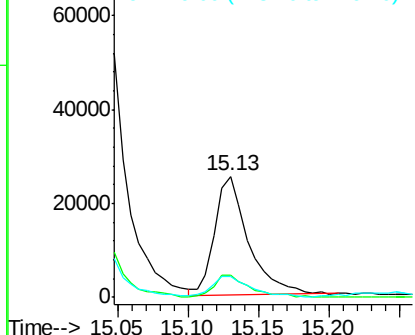
#71
 Anthracene
 Concen: 2.94 ng
 RT: 15.13 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 42366
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.8 23.8
 179 17.5 12.7 19.1

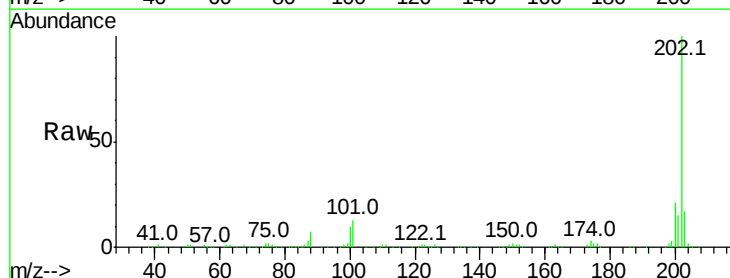


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

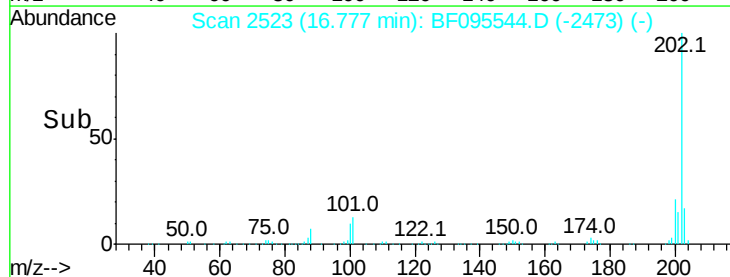
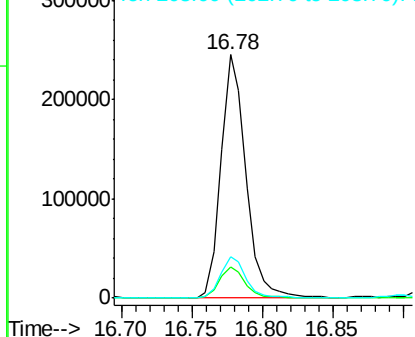


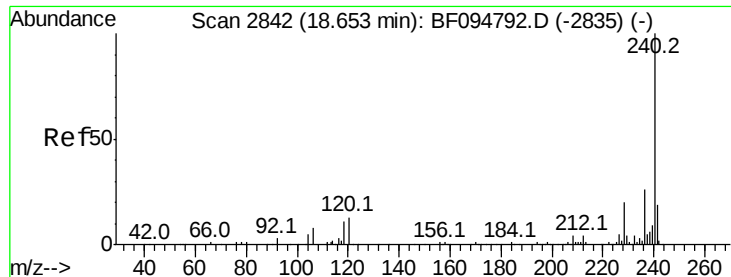
#74
 Fluoranthene
 Concen: 20.94 ng
 RT: 16.78 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Tgt Ion:202 Resp: 303440
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 33.2
 203 17.2 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: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :

BNA_F

ClientSampleId :

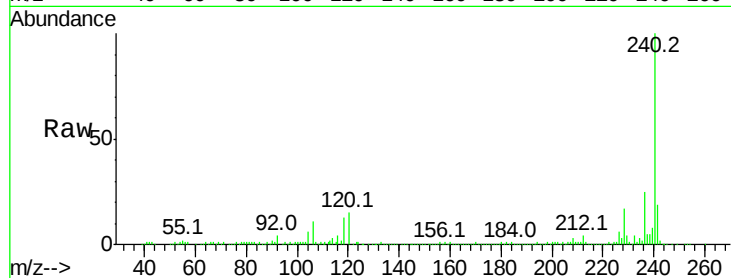
Tot Ion:240 Resp: 240755

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

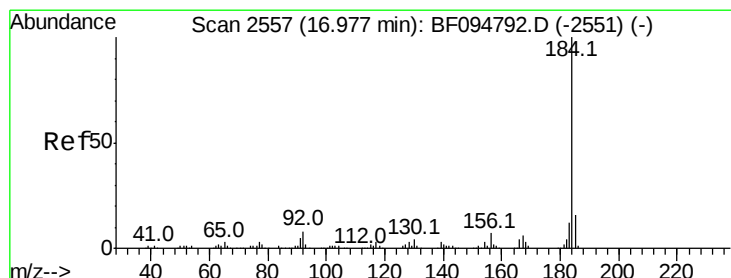
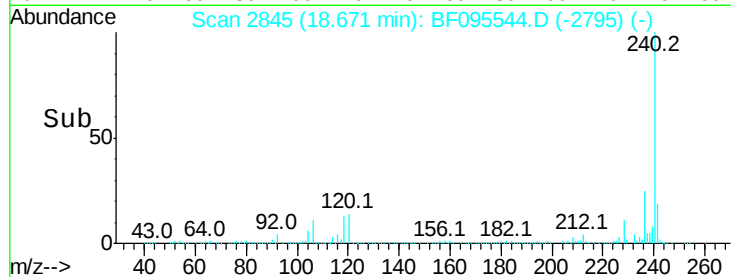
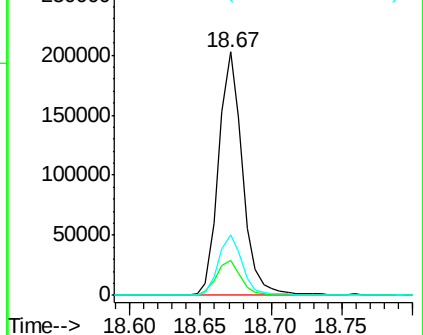
236 24.7 20.5 30.7



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: 6.60 ng

RT: 17.24 min Scan# 2602

Delta R.T. 0.24 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

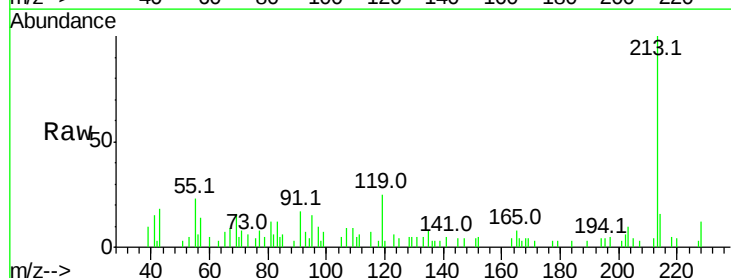
Tgt Ion:184 Resp: 108

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

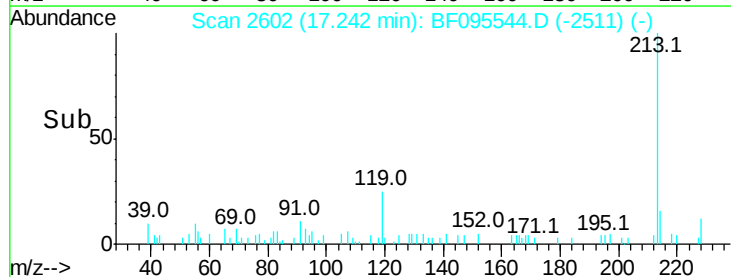
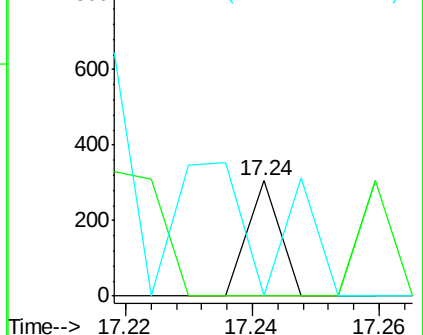
183 0.0 9.8 14.6#

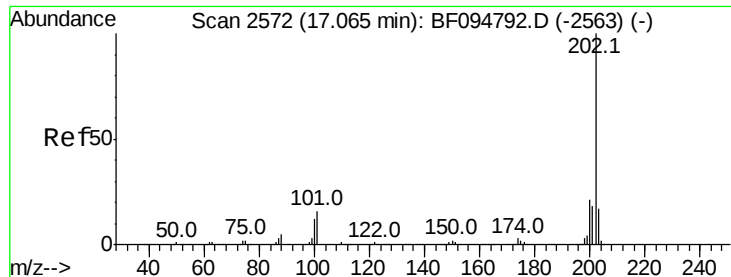


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 15.08 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :

BNA_F

ClientSampleId :

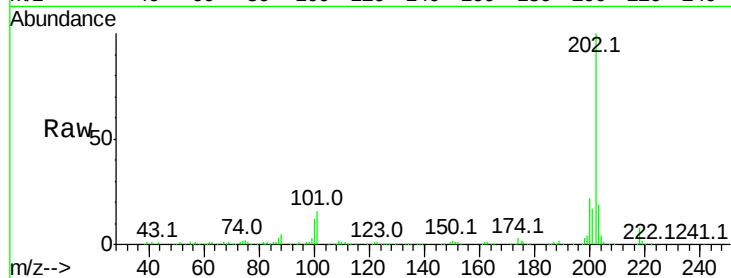
Tot Ion:202 Resp: 271522

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

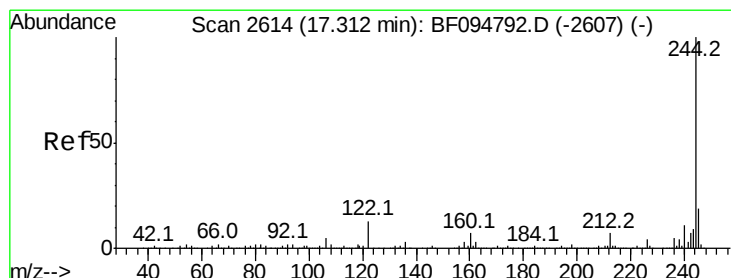
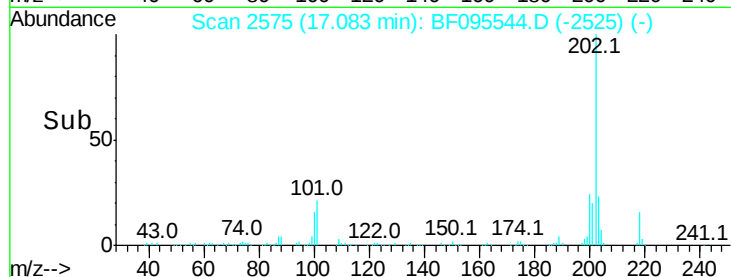
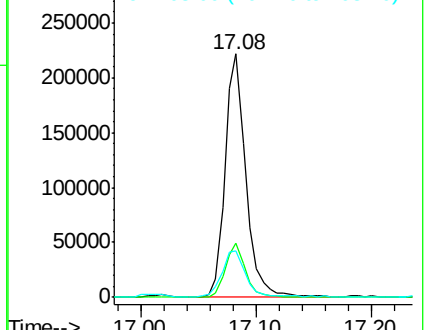
203 19.3 14.4 21.6



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: 48.84 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

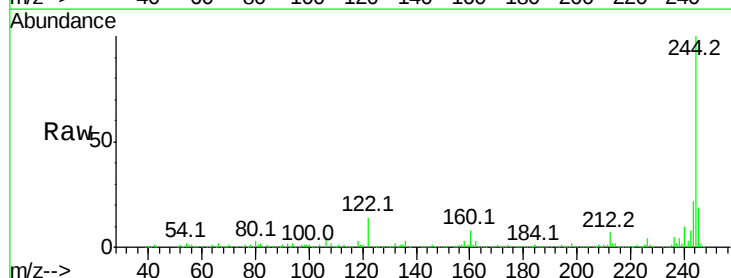
Tgt Ion:244 Resp: 533860

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

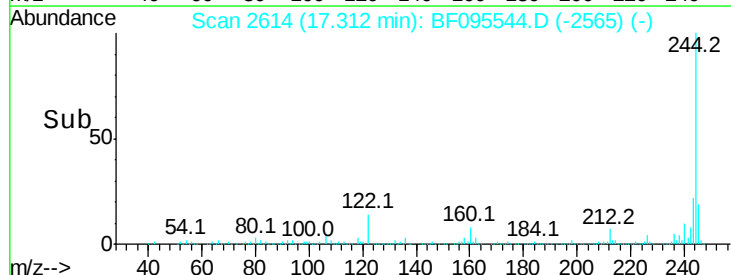
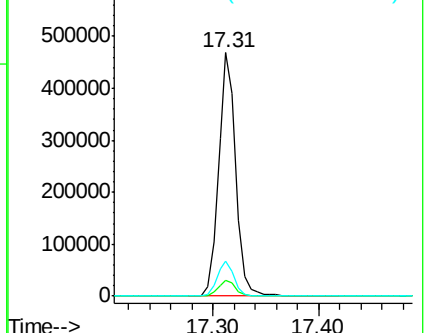
122 14.5 10.3 15.5

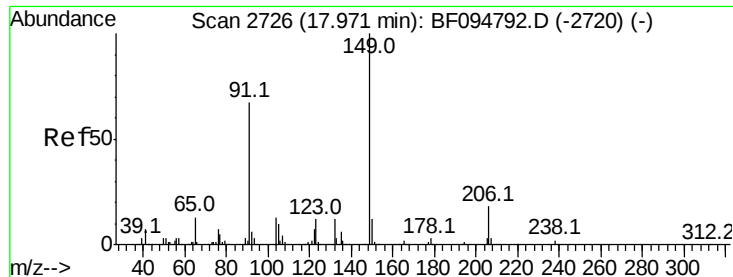


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

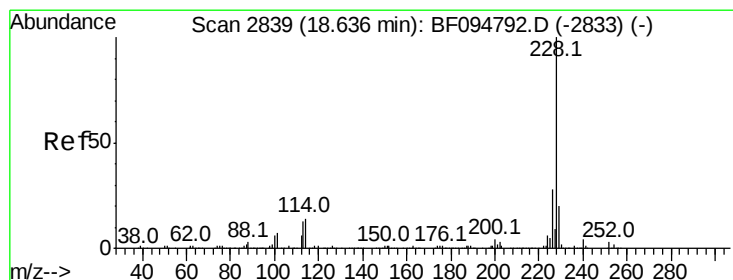
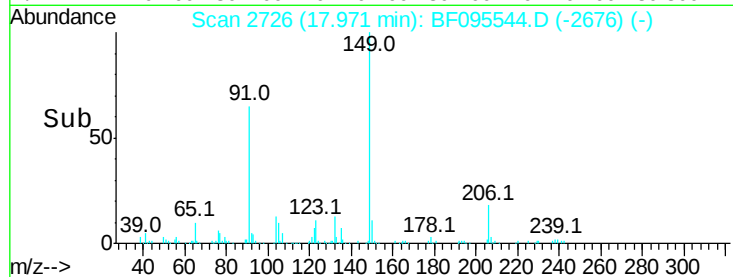
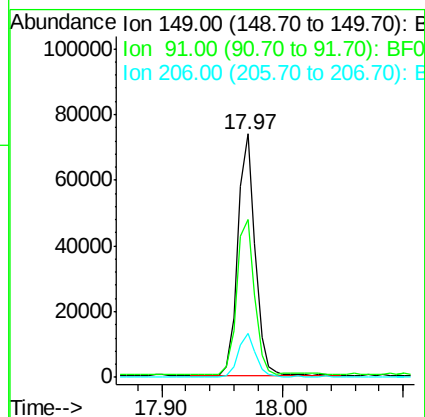
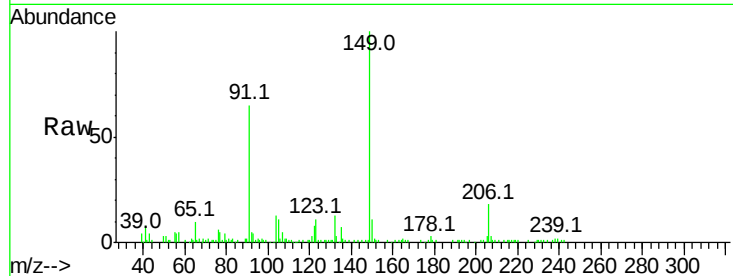




#79
Butylbenzylphthalate
Concen: 8.93 ng
RT: 17.97 min Scan# 2726
Delta R.T. -0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

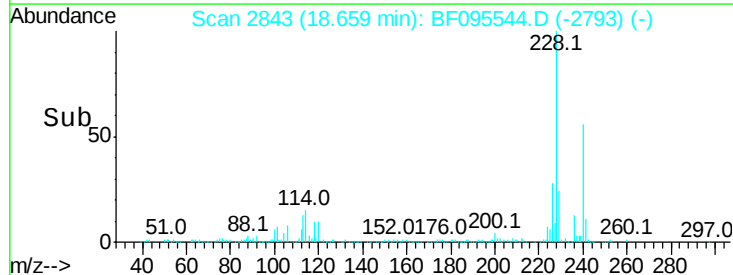
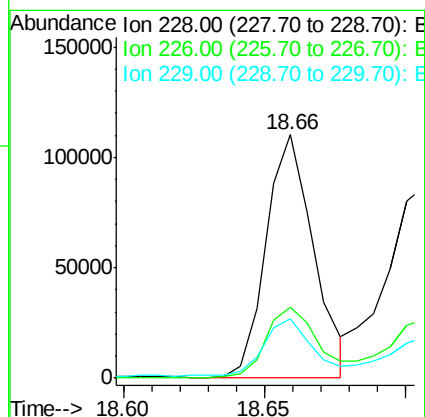
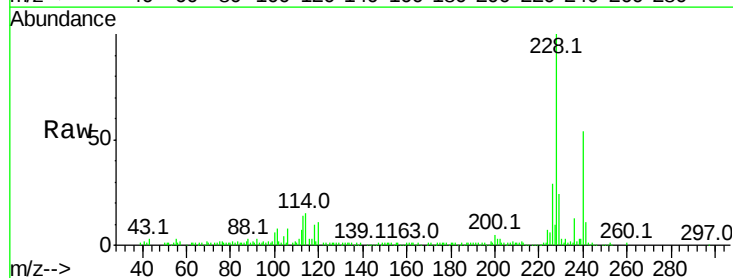
Instrument :
BNA_F
ClientSampleId :

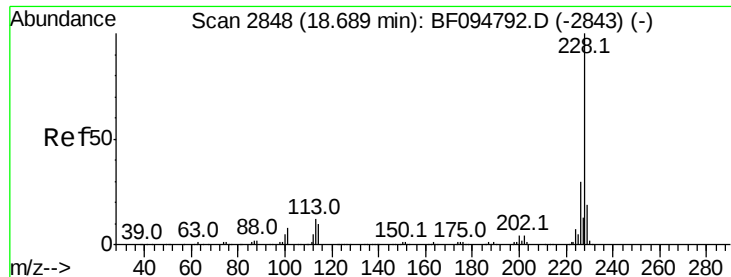
Tot Ion	Ratio	Lower	Upper
149	100		
91	65.1	45.0	67.4
206	17.8	17.0	25.6



#80
Benzo(a)anthracene
Concen: 9.13 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095544.D
Acq: 30 May 2017 19:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	24.2	16.3	24.5

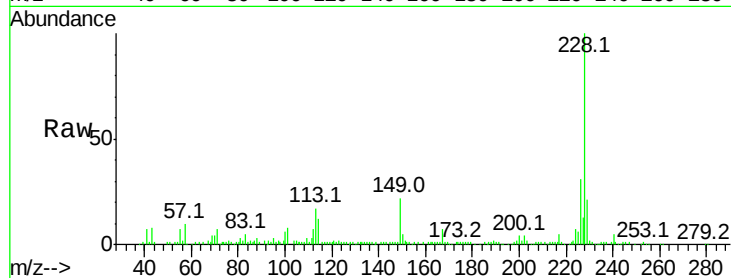




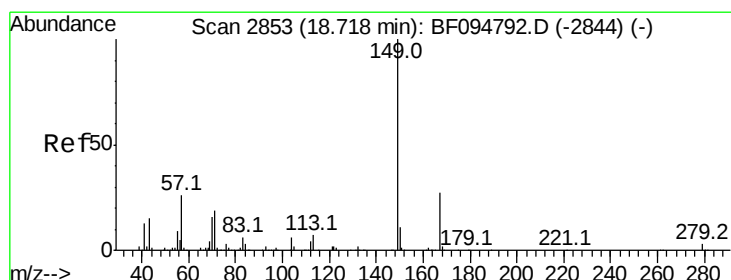
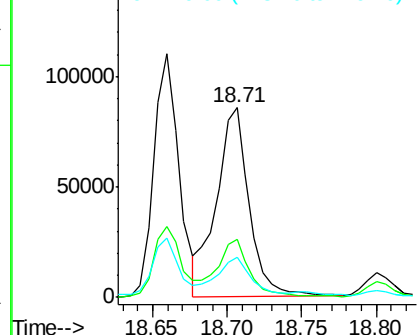
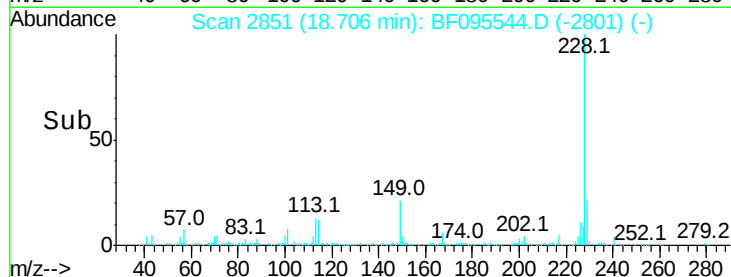
#82
 Chrysene
 Concen: 9.73 ng
 RT: 18.71 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	21.5	15.8	23.6

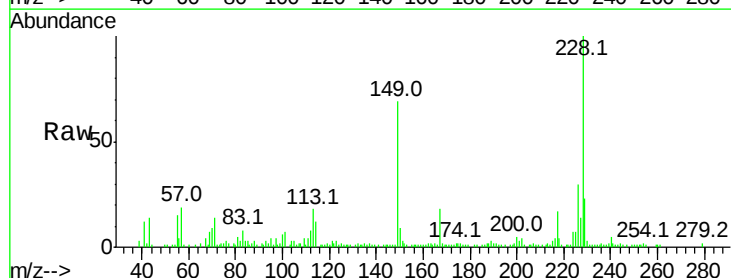


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

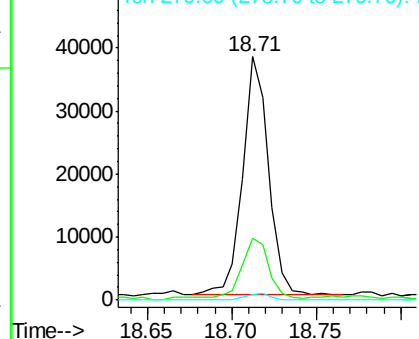
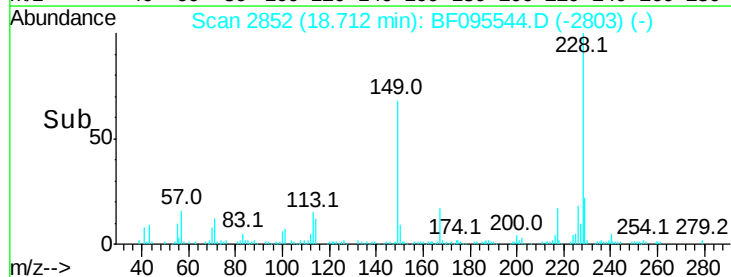


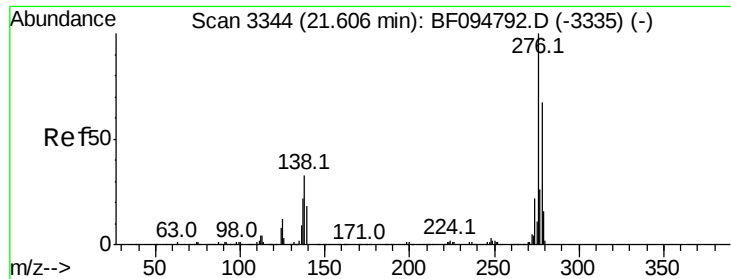
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.38 ng
 RT: 18.71 min Scan# 2852
 Delta R.T. -0.01 min
 Lab File: BF095544.D
 Acq: 30 May 2017 19:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.0	31.4
279	2.2	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: 4.69 ng

RT: 21.69 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :

BNA_F

ClientSampleId :

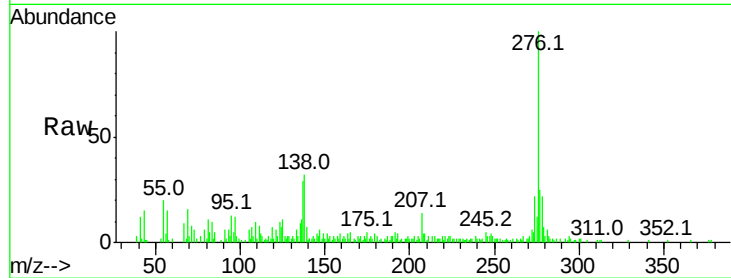
Tot Ion:276 Resp: 51625

Ion Ratio Lower Upper

276 100

138 32.9 27.8 41.6

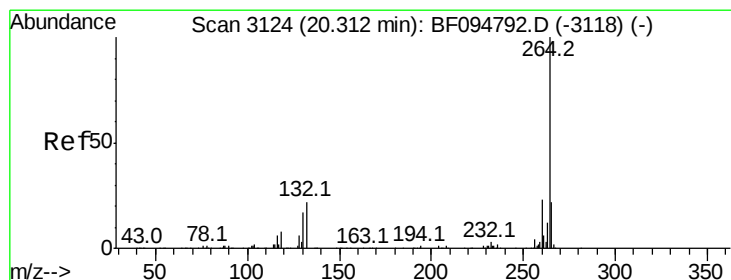
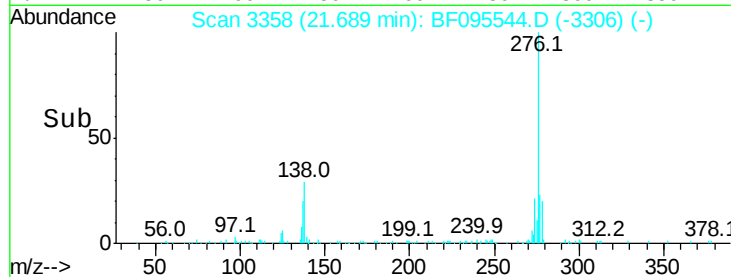
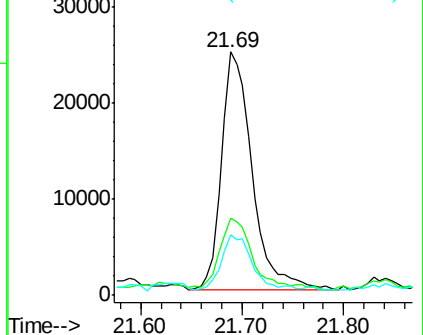
277 23.2 20.2 30.4



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: BF095544.D

Acq: 30 May 2017 19:52

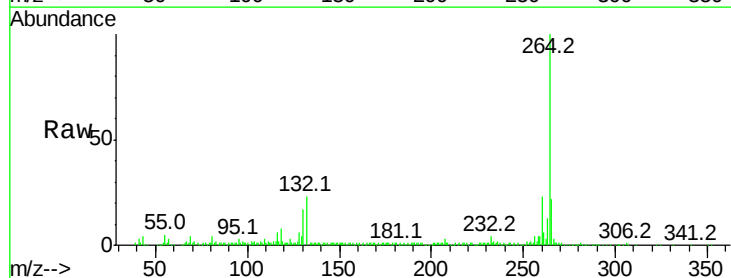
Tgt Ion:264 Resp: 175889

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

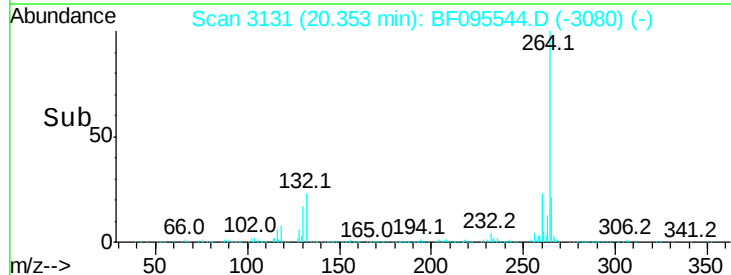
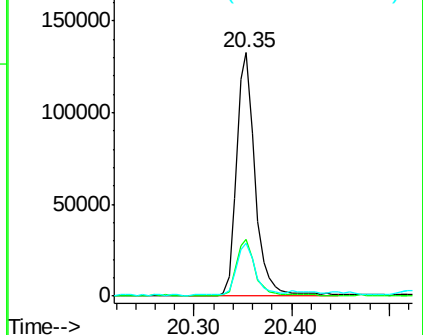
265 21.9 17.2 25.8

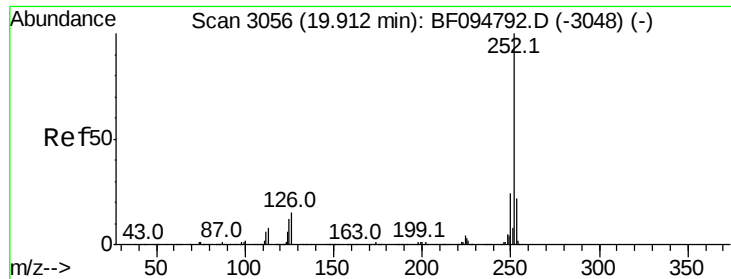


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 17.40 ng

RT: 19.94 min Scan# 3061

Delta R.T. 0.00 min

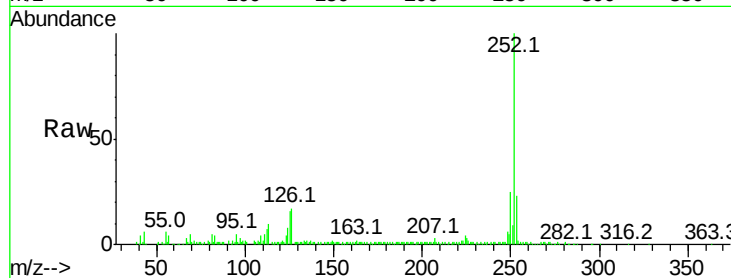
Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 189080

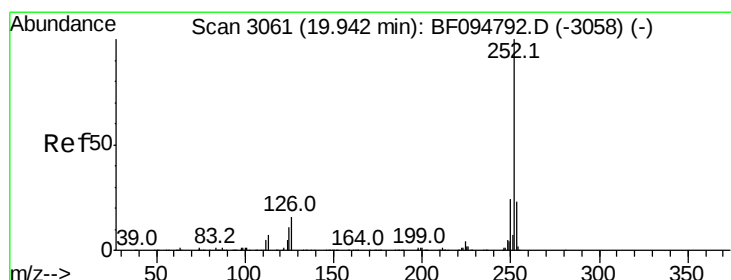
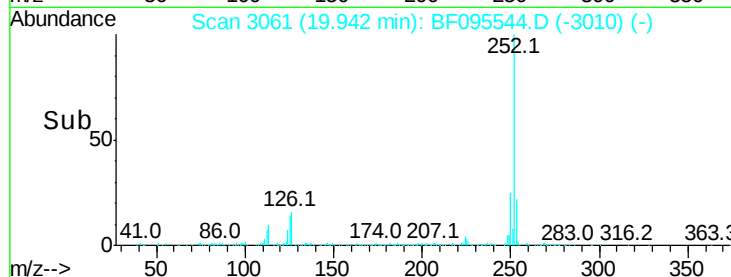
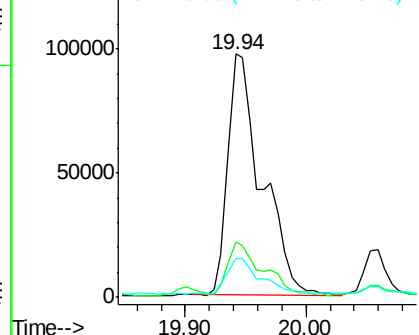
Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	16.1	9.8	14.8



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: 18.04 ng

RT: 19.94 min Scan# 3061

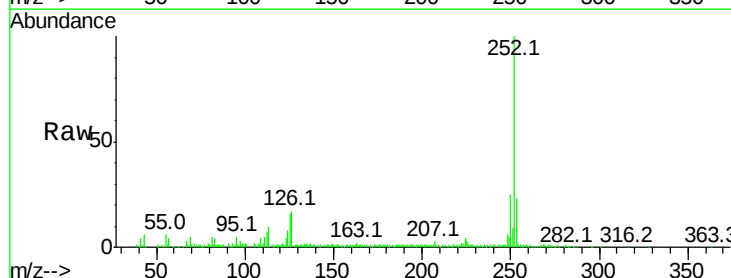
Delta R.T. -0.03 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Tgt Ion:252 Resp: 189080

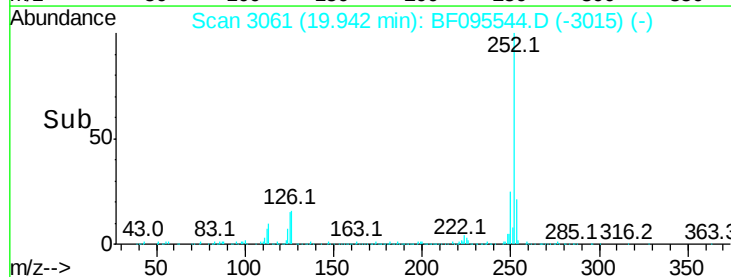
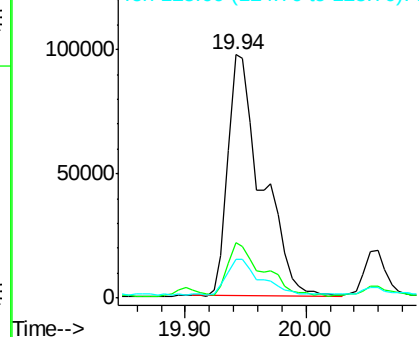
Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	16.1	13.1	19.7

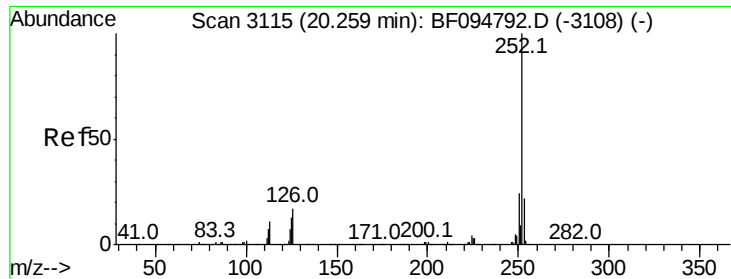


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.99 ng

RT: 20.29 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

Instrument :

BNA_F

ClientSampleId :

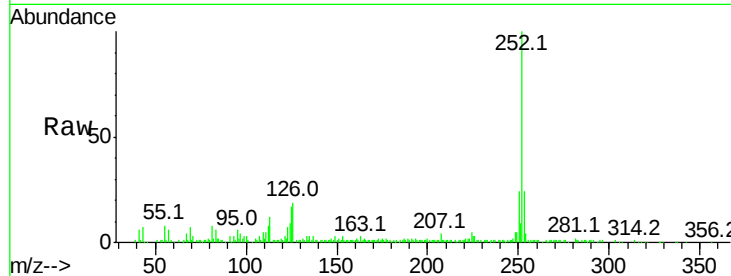
Tot Ion:252 Resp: 100147

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

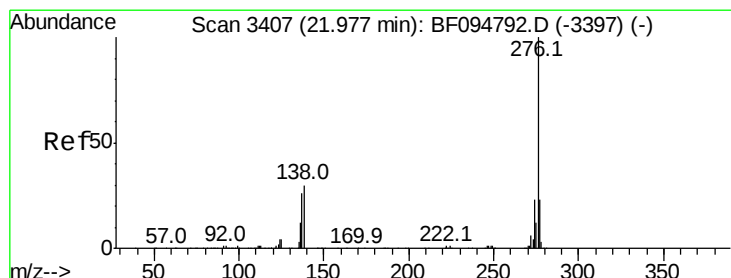
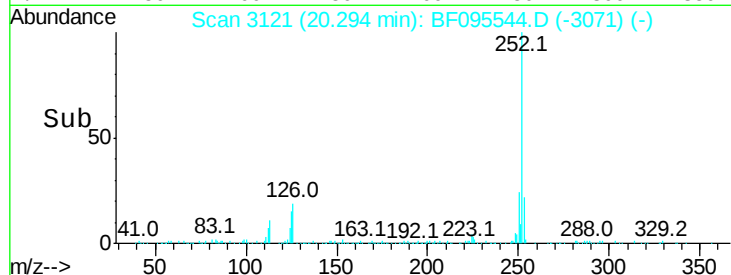
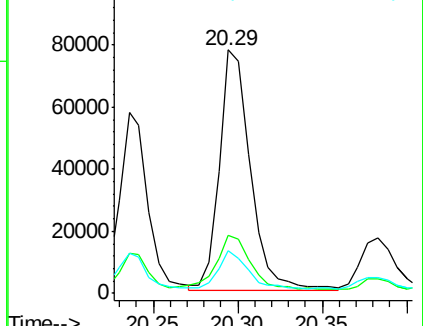
125 17.3 11.0 16.4#



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: 6.28 ng

RT: 22.08 min Scan# 3425

Delta R.T. 0.01 min

Lab File: BF095544.D

Acq: 30 May 2017 19:52

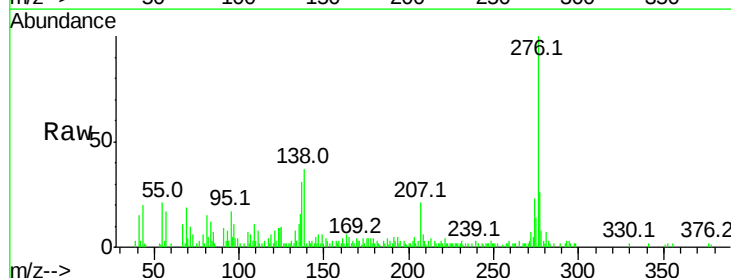
Tgt Ion:276 Resp: 51080

Ion Ratio Lower Upper

276 100

277 25.7 18.6 28.0

138 37.1 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

