

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095546.D
 Acq On : 30 May 2017 20:57
 Operator : SJ/MA
 Sample : I3302-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:42:45 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

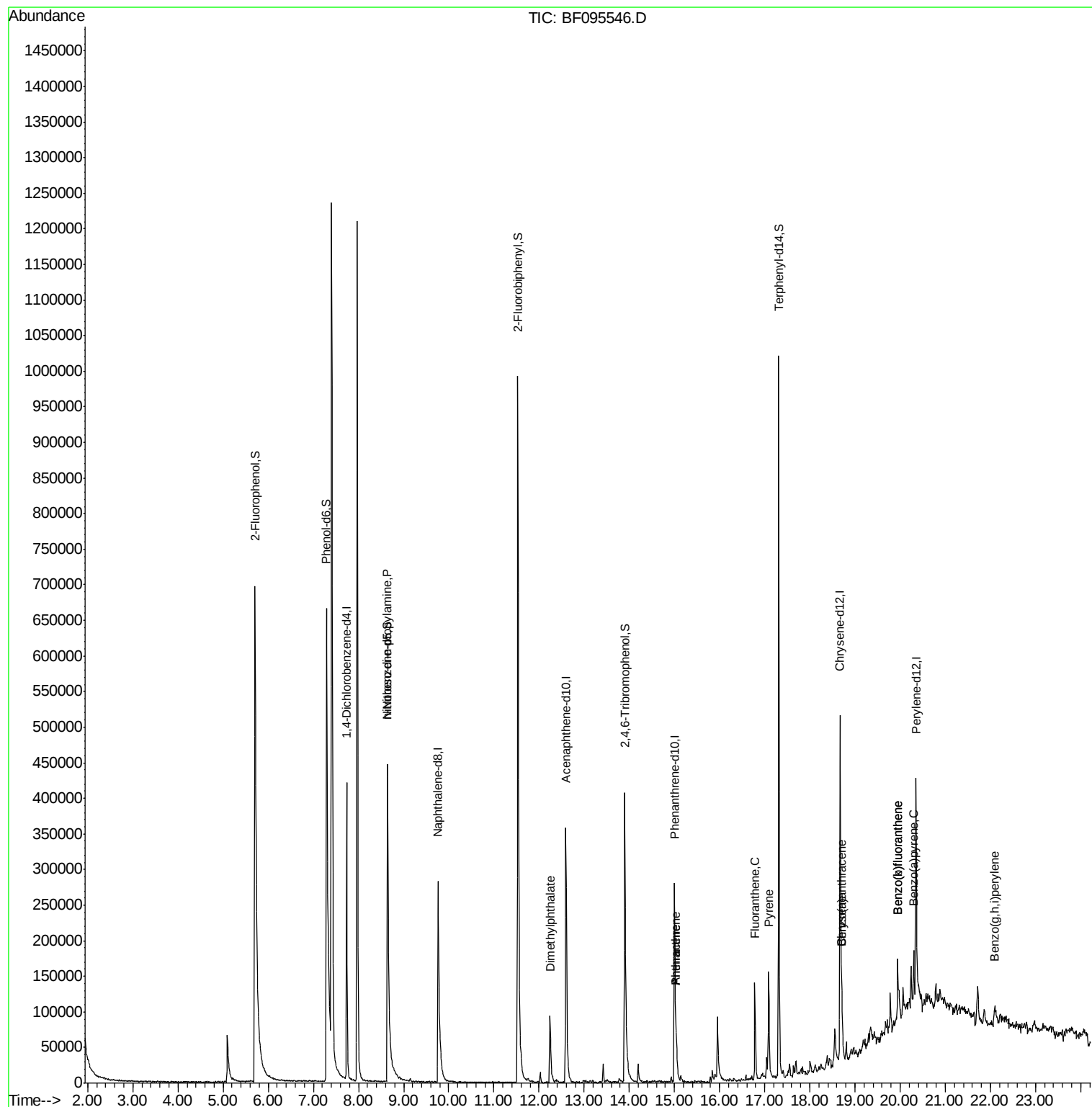
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	94595	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	362544	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	143030	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	210903	20.00	ng	0.00
75) Chrysene-d12	18.67	240	214443	20.00	ng	0.00
86) Perylene-d12	20.35	264	150417	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	629236	110.90	ng	0.00
7) Phenol-d6	7.29	99	714137	104.90	ng	0.00
23) Nitrobenzene-d5	8.64	82	372937	64.87	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	106935	91.29	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	686224	69.06	ng	0.00
78) Terphenyl-d14	17.31	244	405722	41.67	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.64	70	44614	9.69	ng	# 76
49) Dimethylphthalate	12.24	163	96973	8.26	ng	100
70) Phenanthrene	15.04	178	38266	3.16	ng	96
71) Anthracene	15.04	178	38266	3.09	ng	97
74) Fluoranthene	16.78	202	85248	6.86	ng	99
77) Pyrene	17.09	202	81368	5.07	ng	97
80) Benzo(a)anthracene	18.71	228	45144	3.62	ng	98
82) Chrysene	18.71	228	45144	3.74	ng	98
87) Benzo(b)fluoranthene	19.95	252	60683	6.53	ng	# 93
88) Benzo(k)fluoranthene	19.95	252	60683	6.77	ng	98
89) Benzo(a)pyrene	20.30	252	30162	3.52	ng	94
91) Benzo(a,h,i)perylene	22.09	276	16266	2.34	ng	96

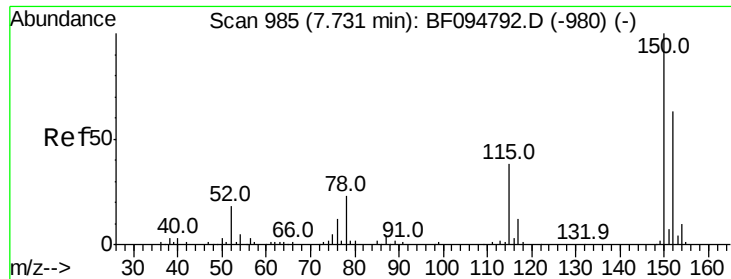
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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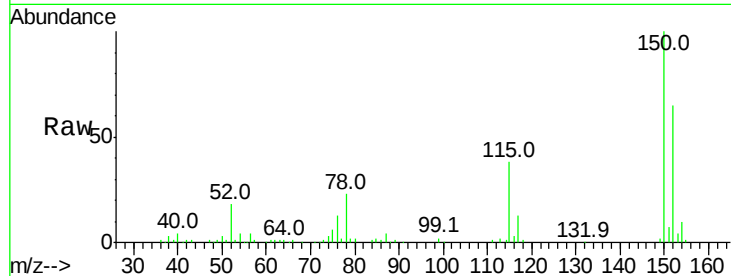


#1

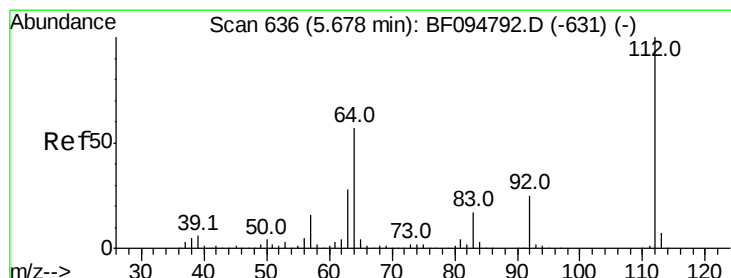
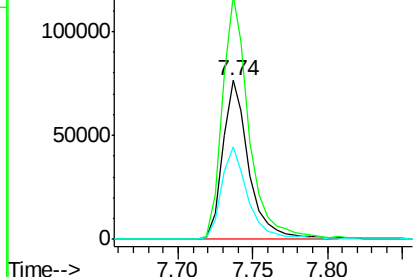
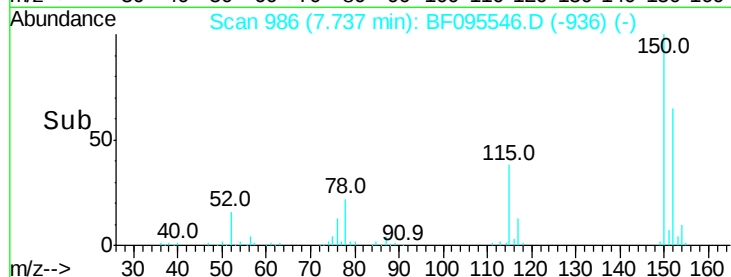
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095546.D
Acq: 30 May 2017 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94595
Ion Ratio Lower Upper
152 100
150 153.2 126.2 189.2
115 57.9 52.2 78.2



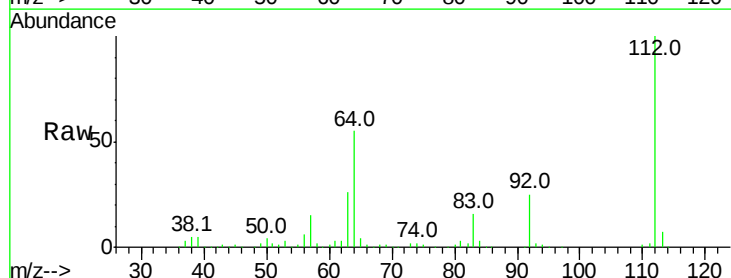
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



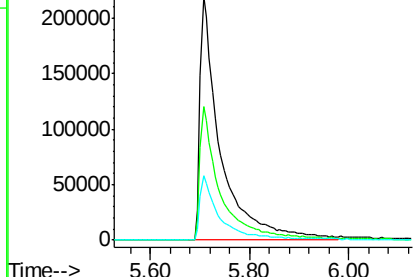
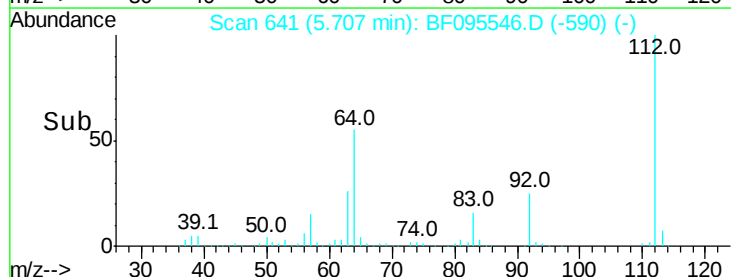
#5

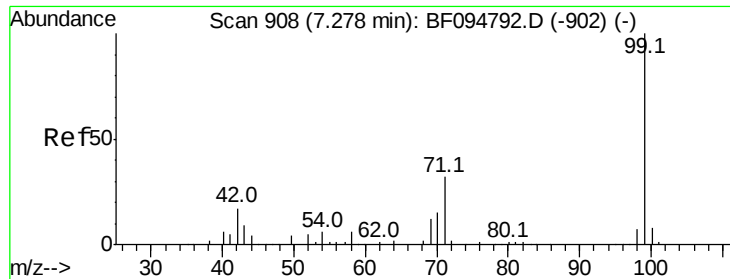
2-Fluorophenol
Concen: 110.90 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095546.D
Acq: 30 May 2017 20:57

Tgt Ion:112 Resp: 629236
Ion Ratio Lower Upper
112 100
64 55.1 46.0 69.0
63 26.4 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: 104.90 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

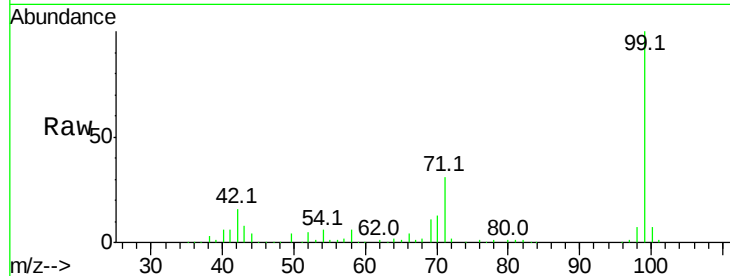
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 714137

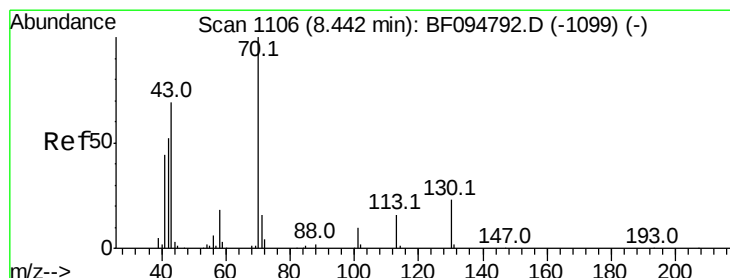
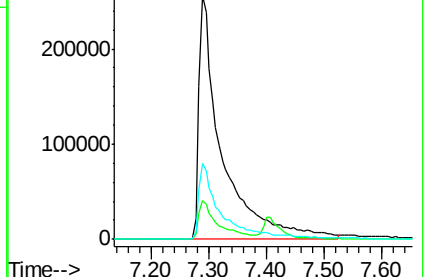
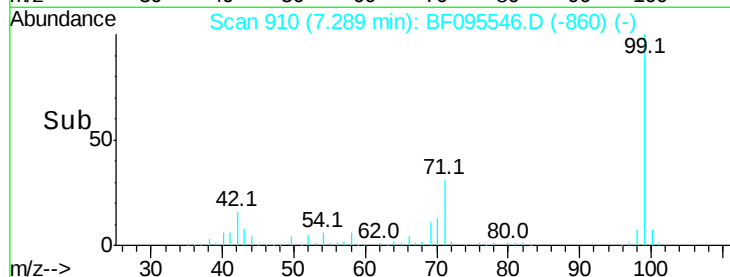
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.5	20.3
71	31.0	24.5	36.7



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: 9.69 ng

RT: 8.64 min Scan# 1140

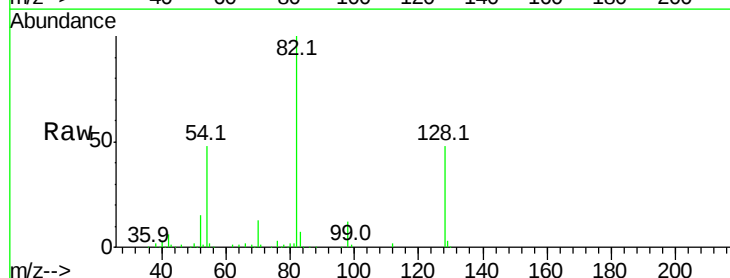
Delta R.T. 0.18 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

Tgt Ion: 70 Resp: 44614

Ion	Ratio	Lower	Upper
70	100		
42	44.2	47.2	70.8#
101	0.0	7.2	10.8#
130	2.5	15.9	23.9#

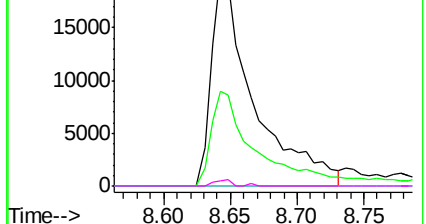
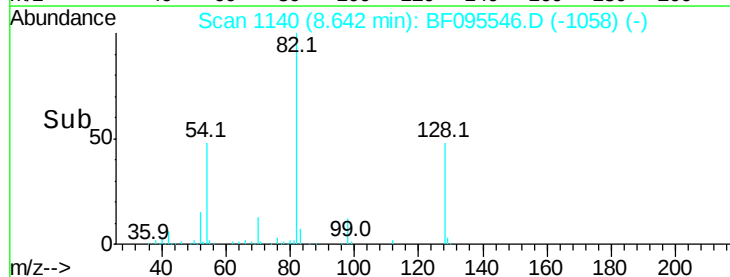


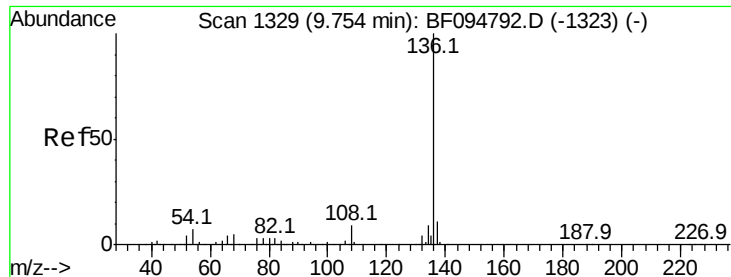
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095546.D

Acq: 30 May 2017 20:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 362544

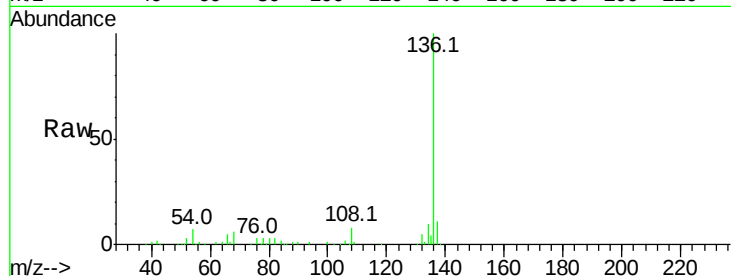
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.2 4.9 7.3

68 5.5 4.1 6.1

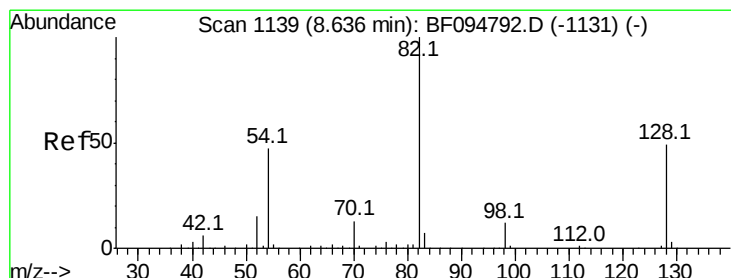
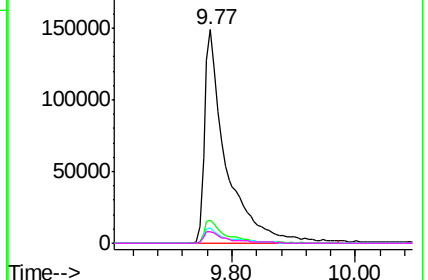
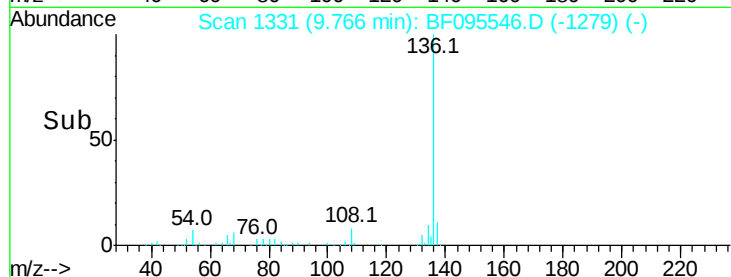


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.87 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

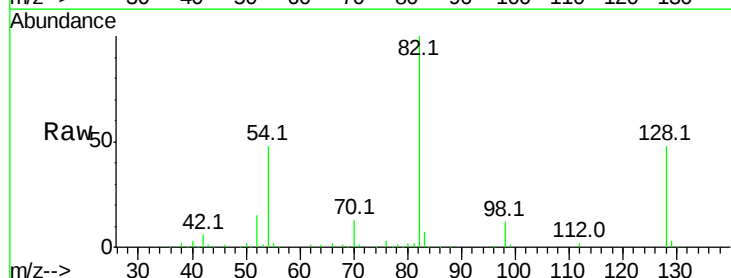
Tgt Ion: 82 Resp: 372937

Ion Ratio Lower Upper

82 100

128 47.7 34.0 51.0

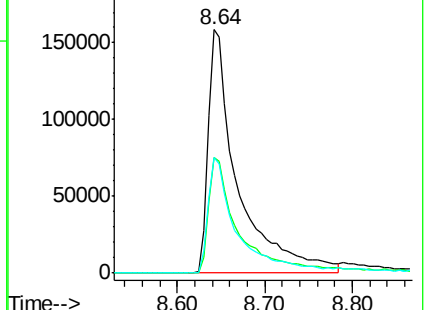
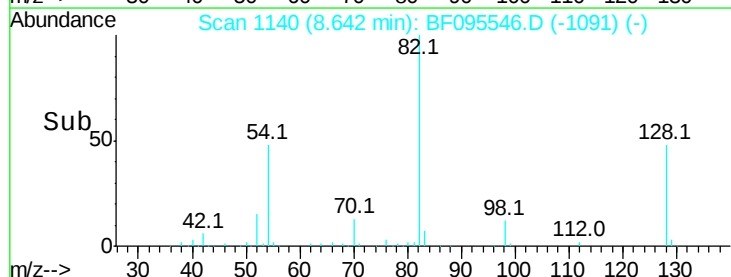
54 47.6 42.2 63.2

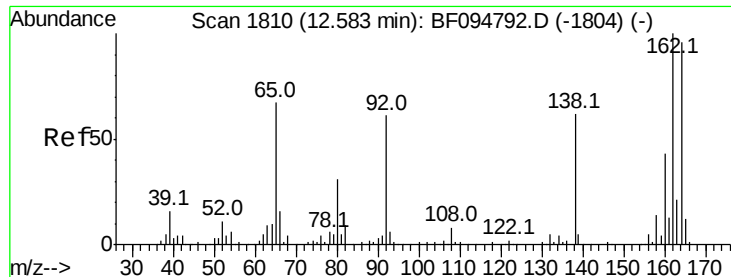


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF095546.D

Acq: 30 May 2017 20:57

Instrument :

BNA_F

ClientSampleId :

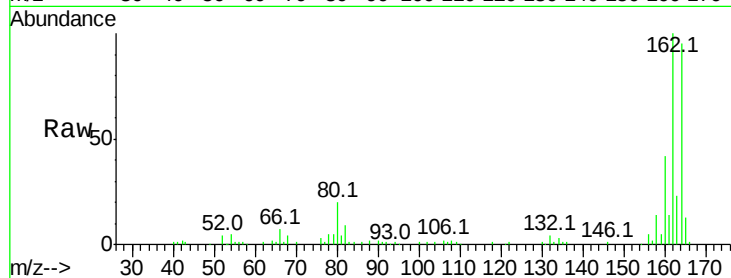
Tot Ion:164 Resp: 143030

Ion Ratio Lower Upper

164 100

162 104.8 82.6 123.8

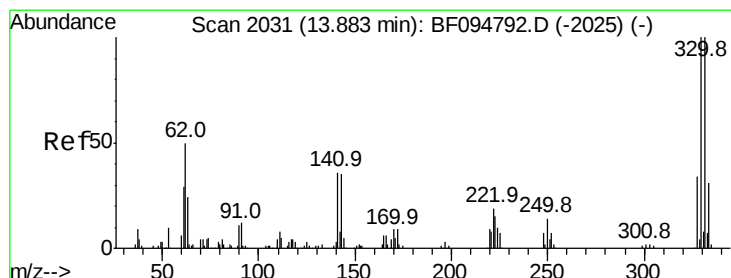
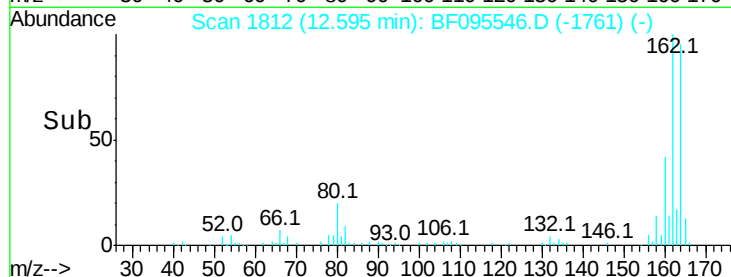
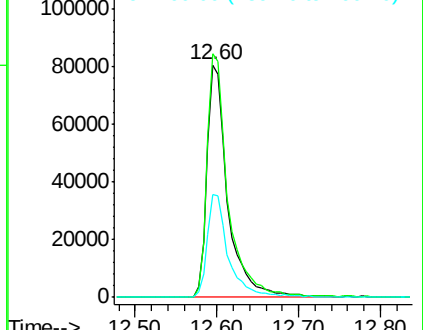
160 44.3 36.2 54.2



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: 91.29 ng

RT: 13.90 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

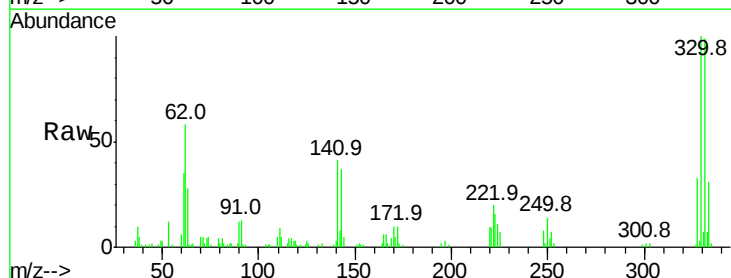
Tgt Ion:330 Resp: 106935

Ion Ratio Lower Upper

330 100

332 95.2 76.6 115.0

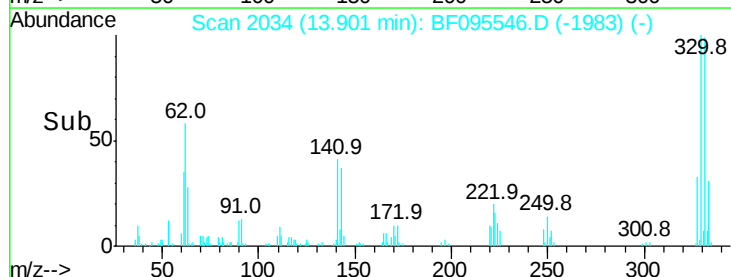
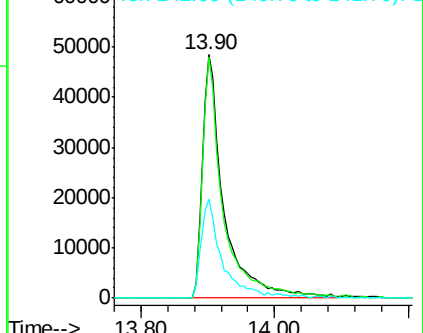
141 38.3 31.4 47.2

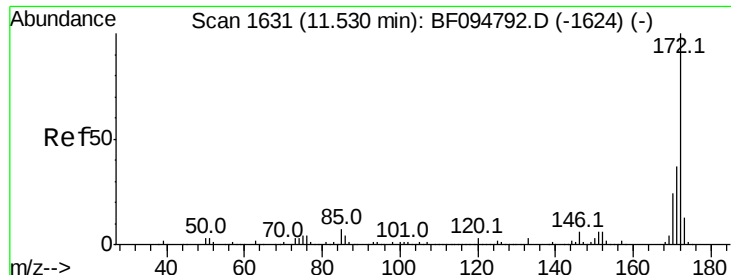


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

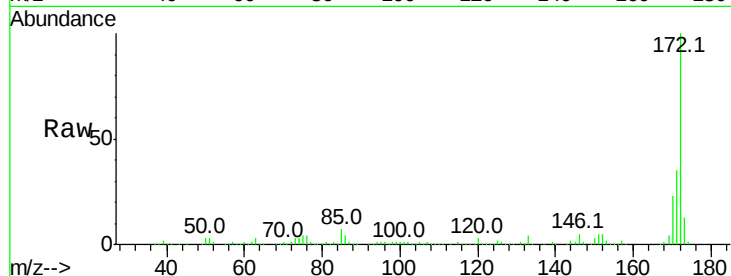




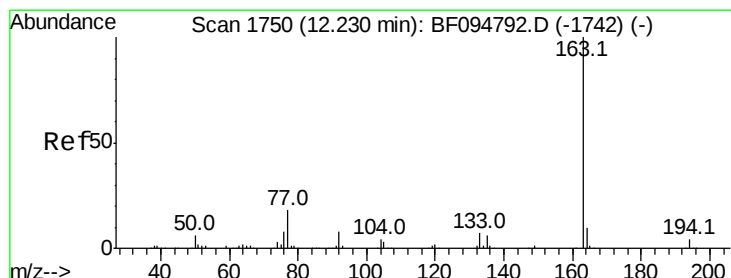
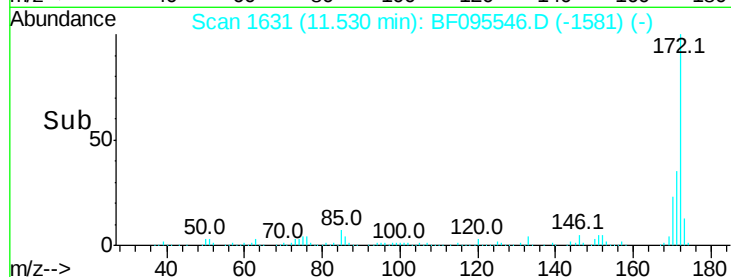
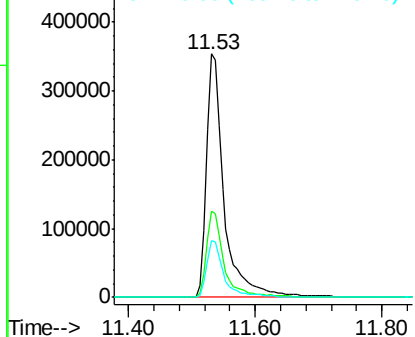
#44
 2-Fluorobiphenyl
 Concen: 69.06 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 686224
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 23.2 19.8 29.8

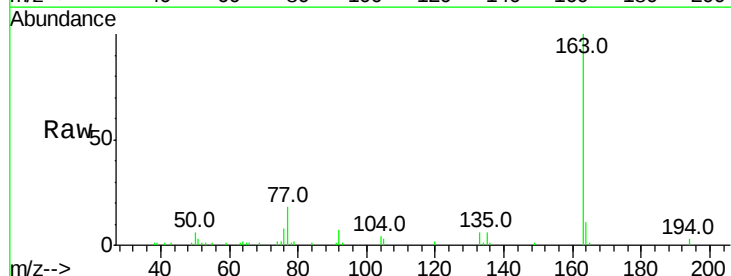


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

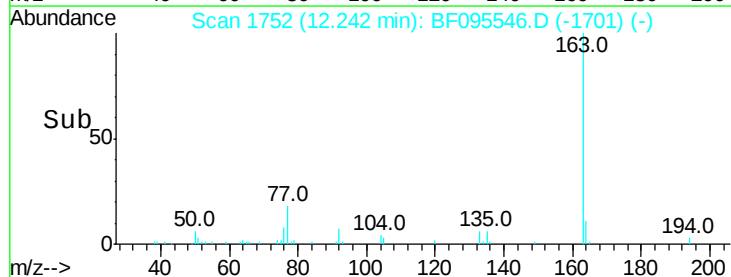
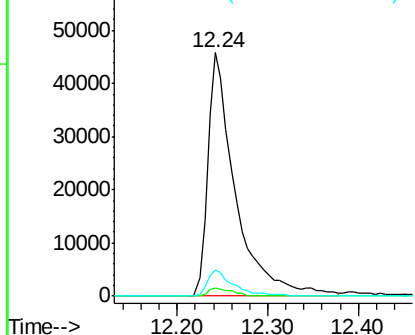


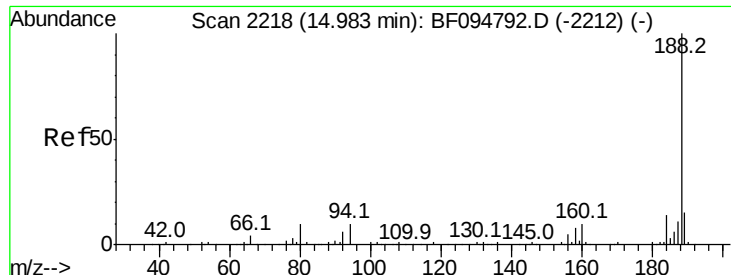
#49
 Dimethylphthalate
 Concen: 8.26 ng
 RT: 12.24 min Scan# 1752
 Delta R.T. 0.00 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Tgt Ion:163 Resp: 96973
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.6 4.0
 164 10.7 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

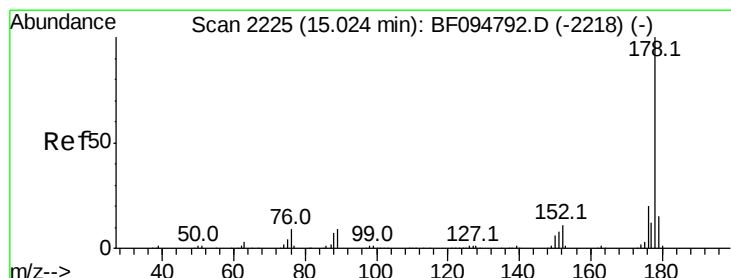
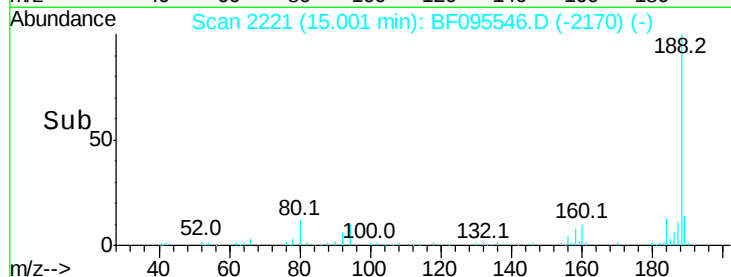
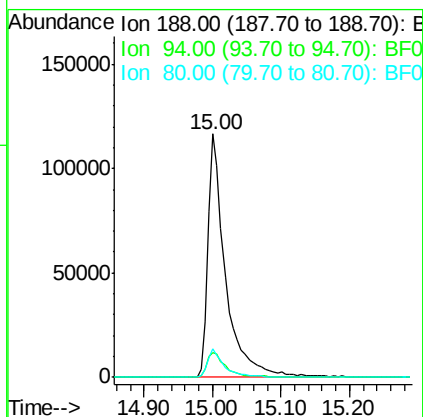
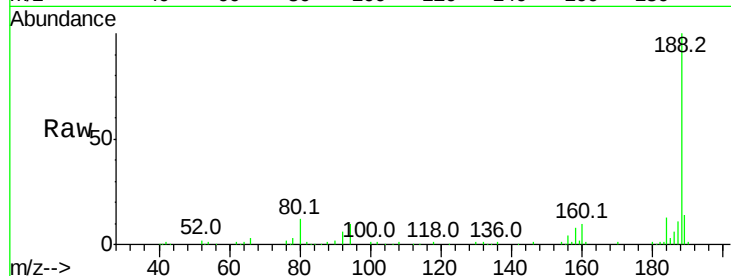




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

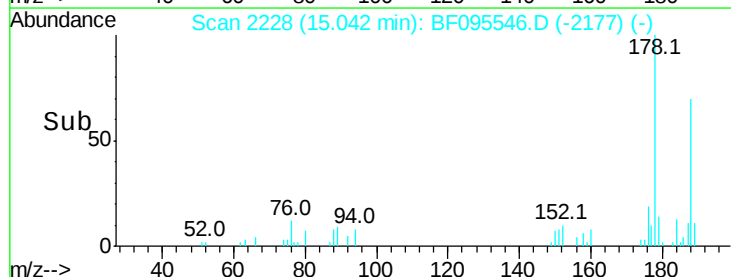
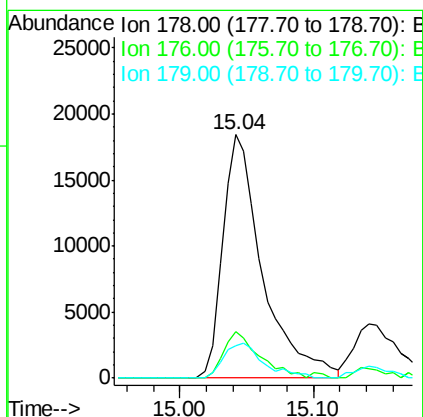
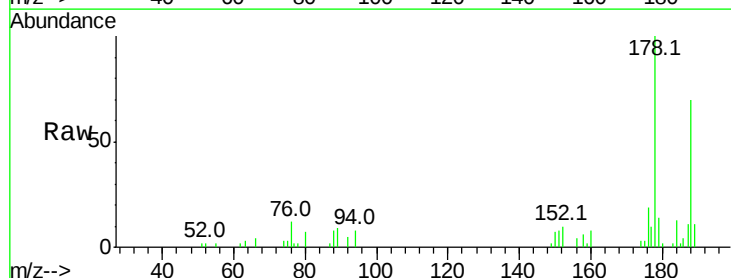
Instrument :
 BNA_F
 ClientSampleId :

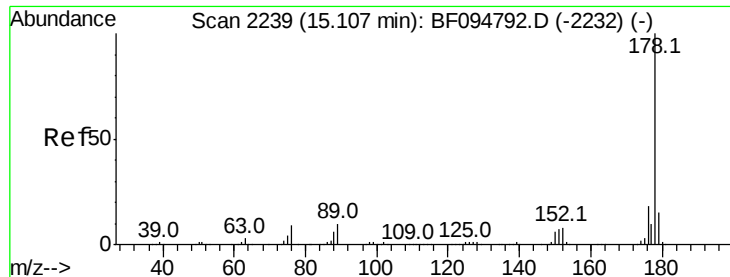
Tot Ion:188 Resp: 210903
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.4 14.2
 80 11.8 10.2 15.2



#70
 Phenanthrene
 Concen: 3.16 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. 0.00 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Tgt Ion:178 Resp: 38266
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.4
 179 13.5 12.6 19.0

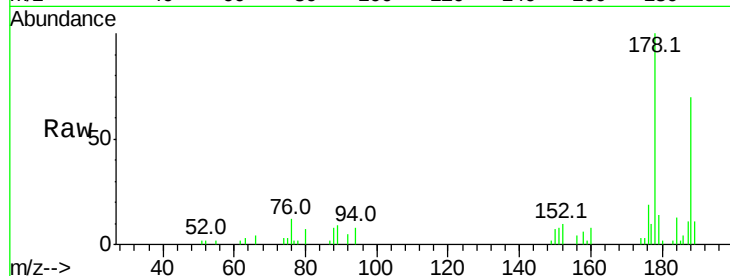




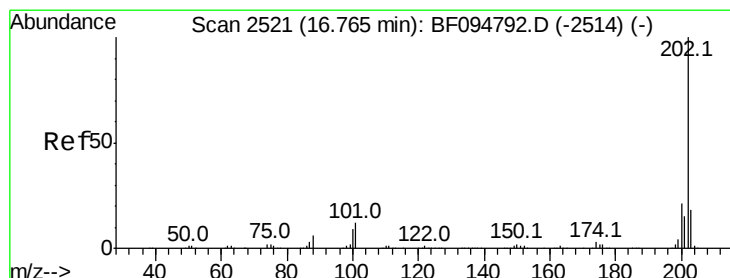
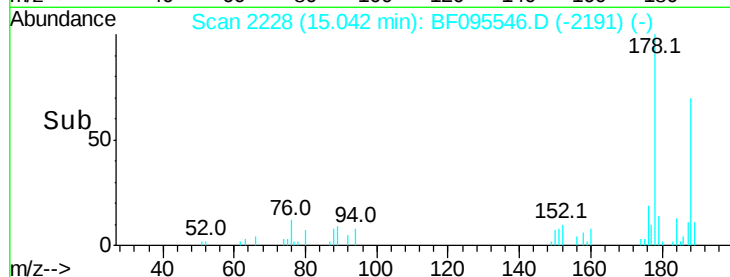
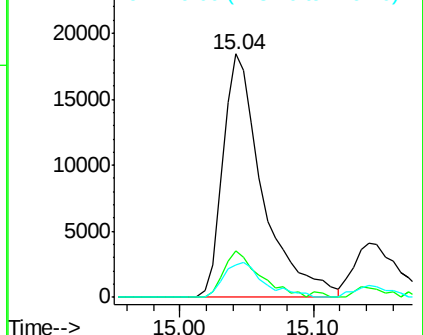
#71
 Anthracene
 Concen: 3.09 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 38266
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 13.5 12.7 19.1

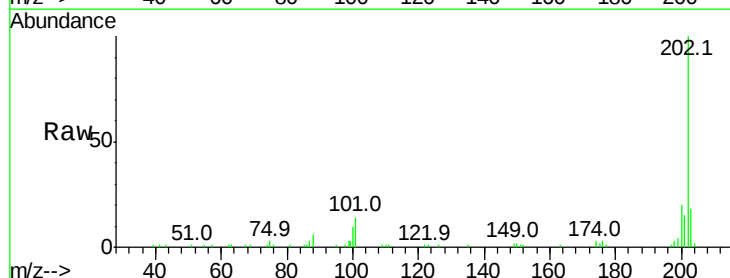


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

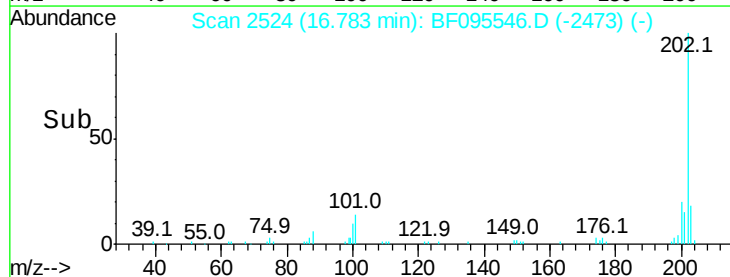
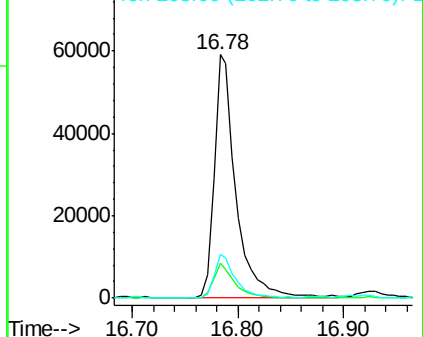


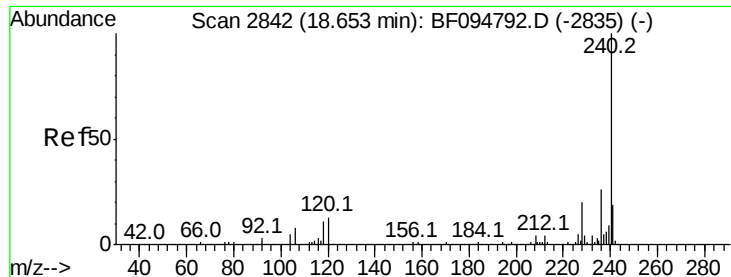
#74
 Fluoranthene
 Concen: 6.86 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Tgt Ion:202 Resp: 85248
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 33.2
 203 18.0 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: BF095546.D

Acq: 30 May 2017 20:57

Instrument :

BNA_F

ClientSampleId :

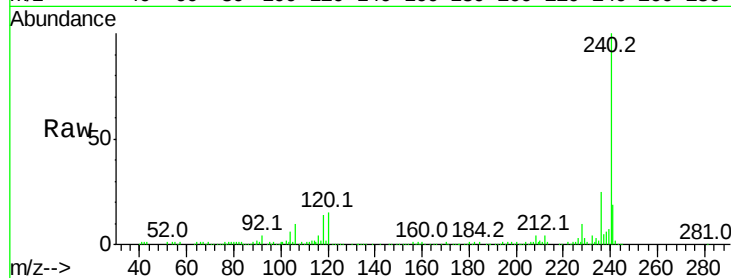
Tot Ion:240 Resp: 214443

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

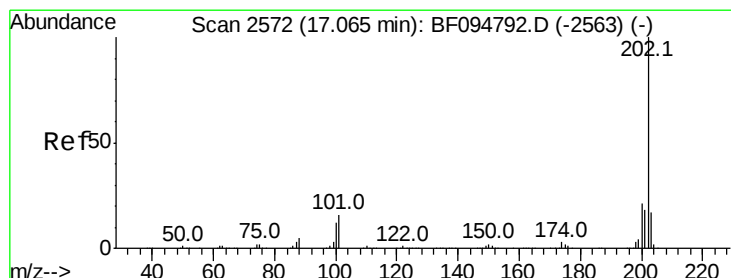
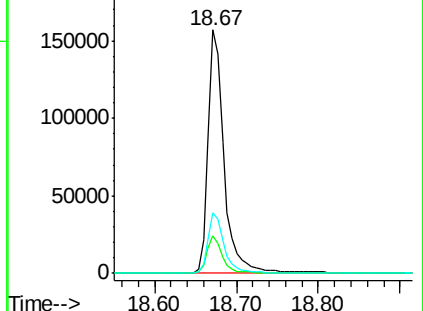
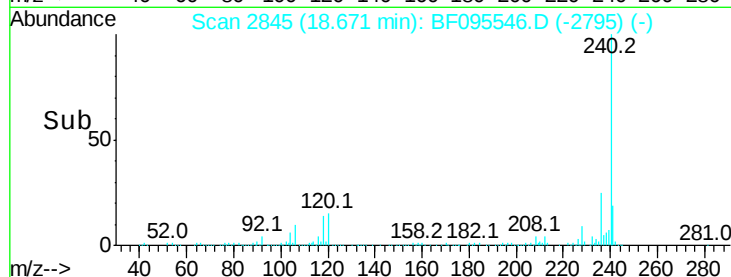
236 24.9 20.5 30.7



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

Pyrene

Concen: 5.07 ng

RT: 17.09 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

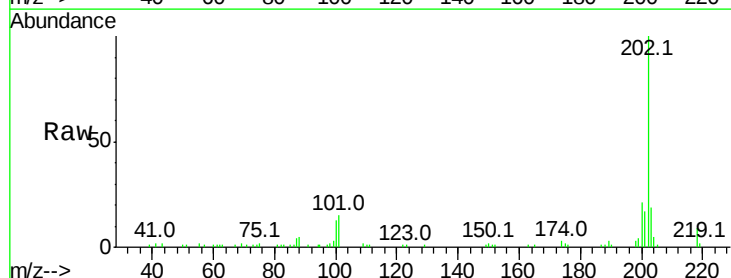
Tgt Ion:202 Resp: 81368

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

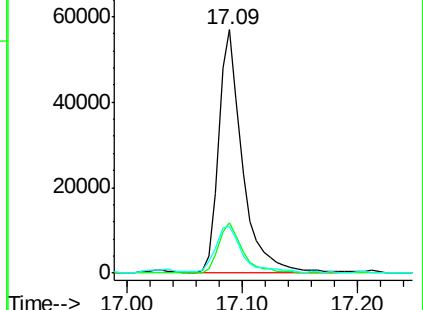
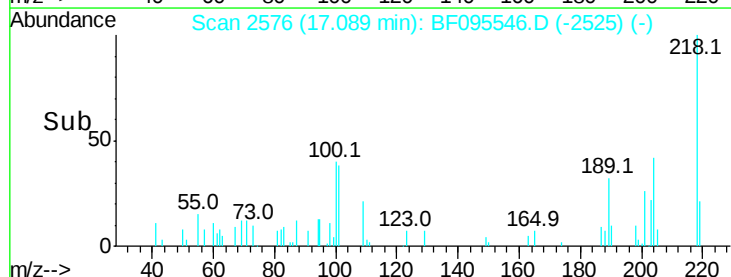
203 18.8 14.4 21.6

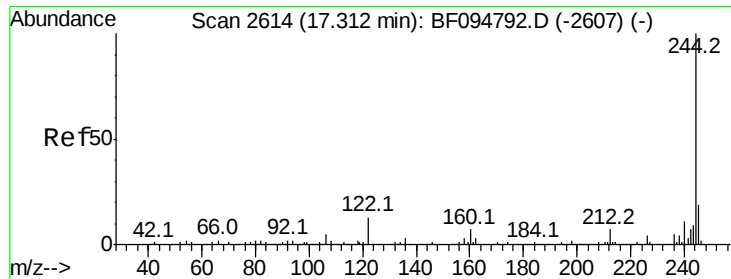


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

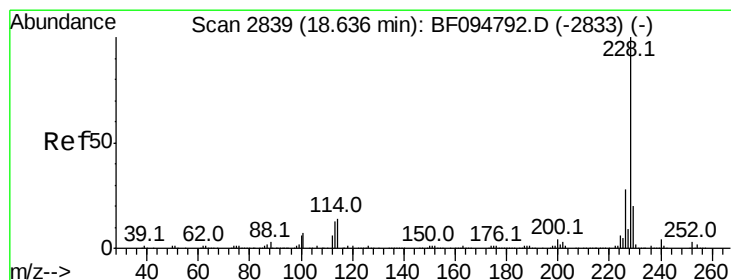
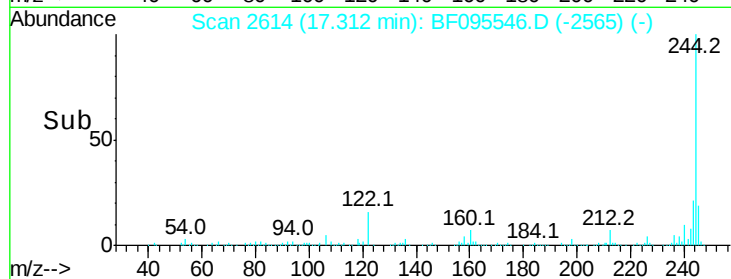
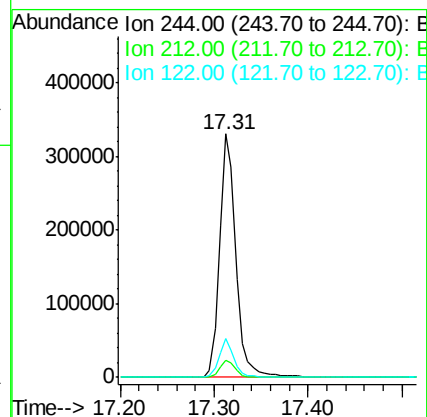
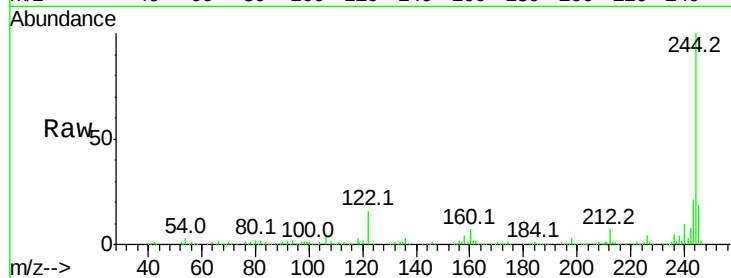




#78
 Terphenyl-d14
 Concen: 41.67 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

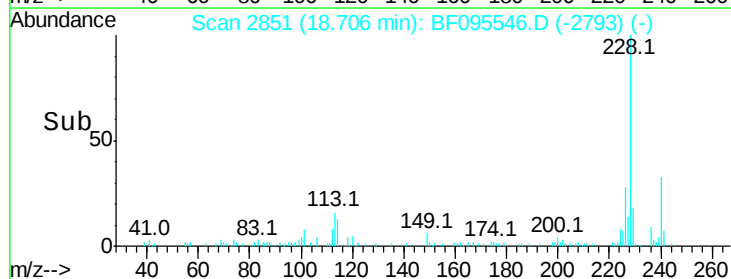
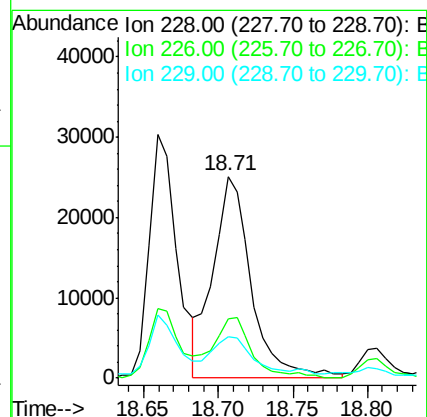
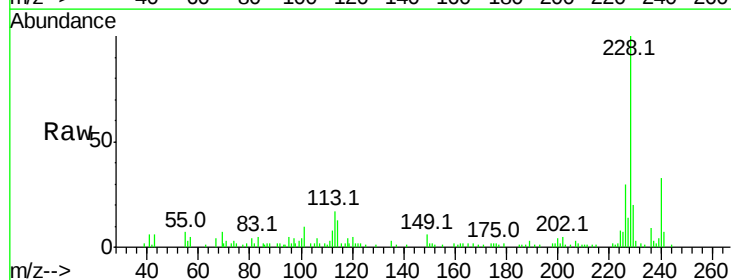
Instrument :
 BNA_F
 ClientSampleId :

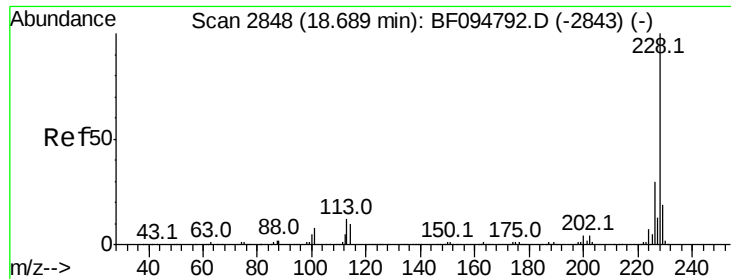
Tot Ion:244 Resp: 405722
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 15.8 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 3.62 ng
 RT: 18.71 min Scan# 2851
 Delta R.T. 0.04 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Tgt Ion:228 Resp: 45144
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.6 33.8
 229 20.4 16.3 24.5

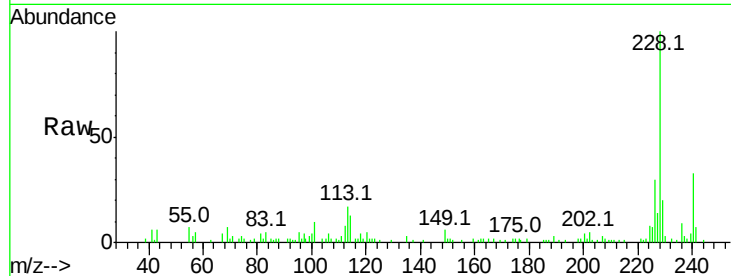




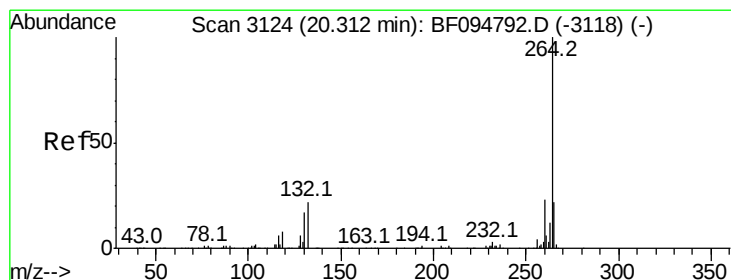
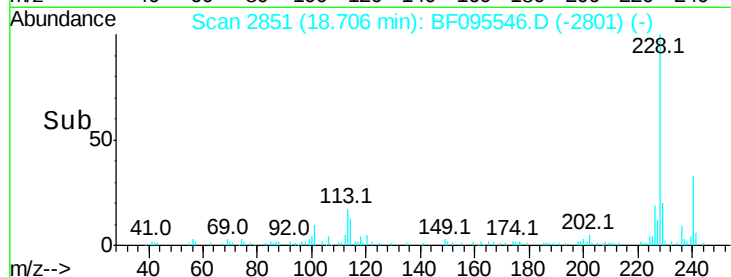
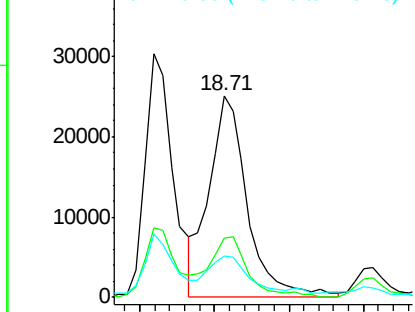
#82
Chrysene
Concen: 3.74 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095546.D
Acq: 30 May 2017 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 45144
Ion Ratio Lower Upper
228 100
226 29.7 24.9 37.3
229 20.4 15.8 23.6

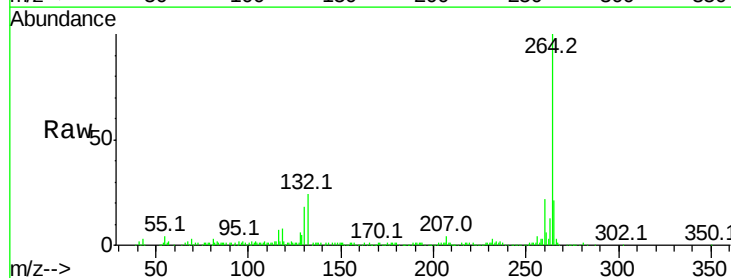


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

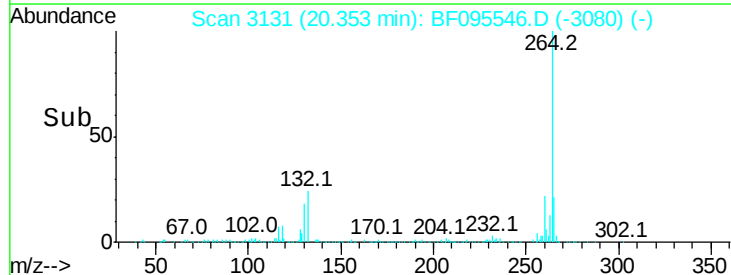
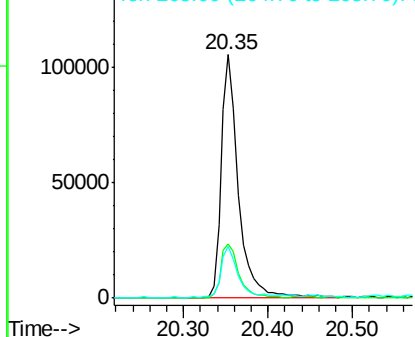


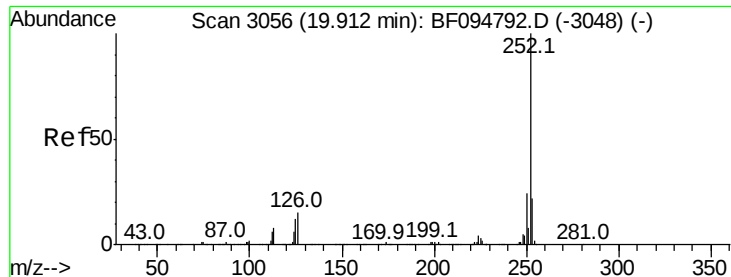
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095546.D
Acq: 30 May 2017 20:57

Tgt Ion:264 Resp: 150417
Ion Ratio Lower Upper
264 100
260 22.4 19.5 29.3
265 21.0 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

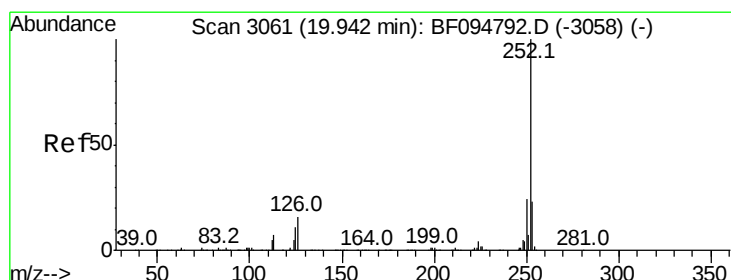
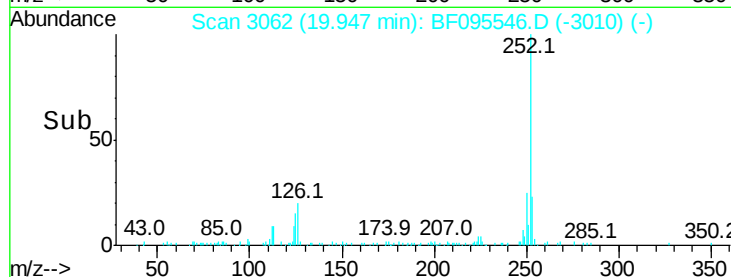
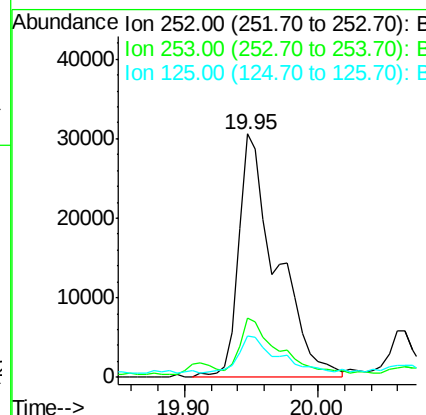
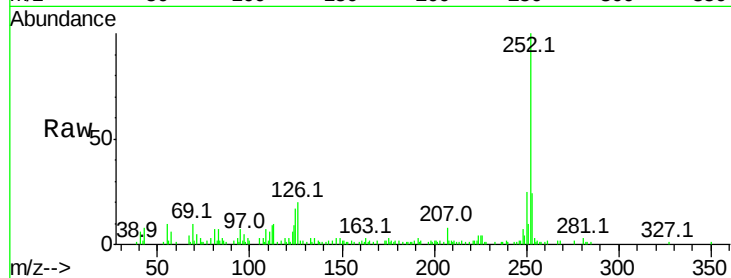




#87
Benzo(b)fluoranthene
Concen: 6.53 ng
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095546.D
Acq: 30 May 2017 20:57

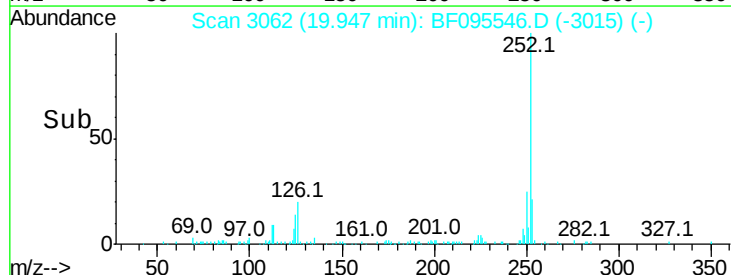
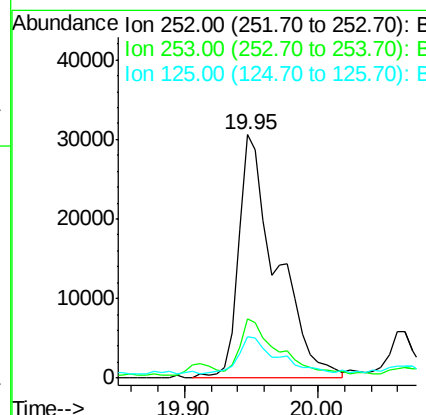
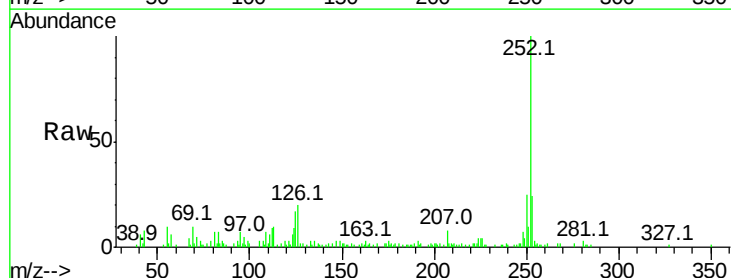
Instrument :
BNA_F
ClientSampleId :

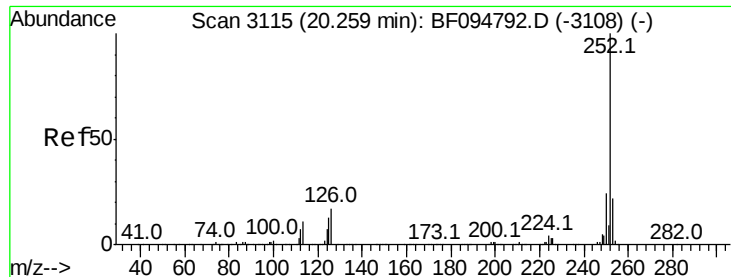
Tot Ion:252 Resp: 60683
Ion Ratio Lower Upper
252 100
253 24.4 18.1 27.1
125 16.8 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 6.77 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095546.D
Acq: 30 May 2017 20:57

Tgt Ion:252 Resp: 60683
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 16.8 13.1 19.7





#89

Benzo(a)pyrene

Concen: 3.52 ng

RT: 20.30 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

Instrument :

BNA_F

ClientSampleId :

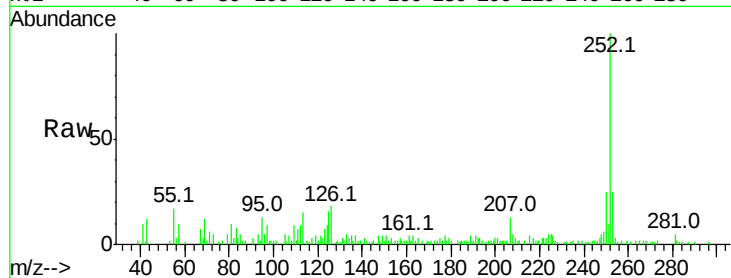
Tot Ion:252 Resp: 30162

Ion Ratio Lower Upper

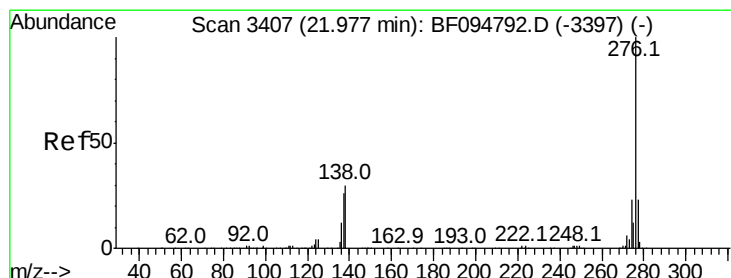
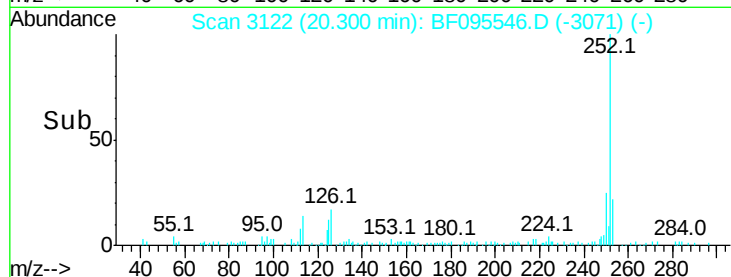
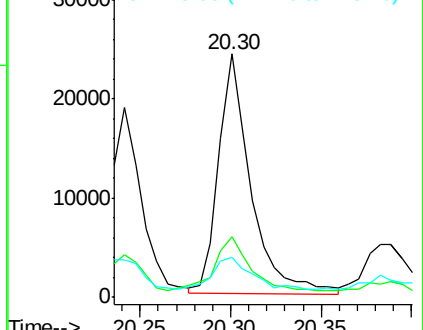
252 100

253 25.0 17.5 26.3

125 16.3 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: 2.34 ng

RT: 22.09 min Scan# 3427

Delta R.T. 0.02 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

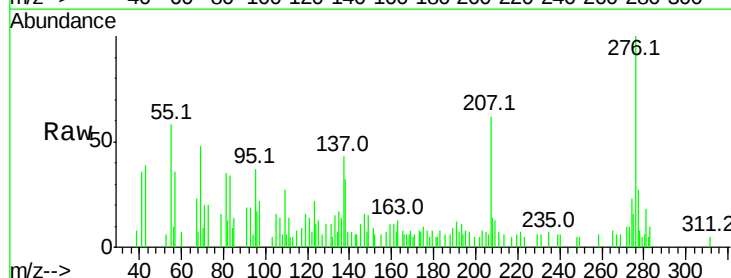
Tgt Ion:276 Resp: 16266

Ion Ratio Lower Upper

276 100

277 27.3 18.6 28.0

138 32.0 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

