

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095512.D
 Acq On : 27 May 2017 23:25
 Operator : SJ/MA
 Sample : I3244-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 29 01:17:38 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

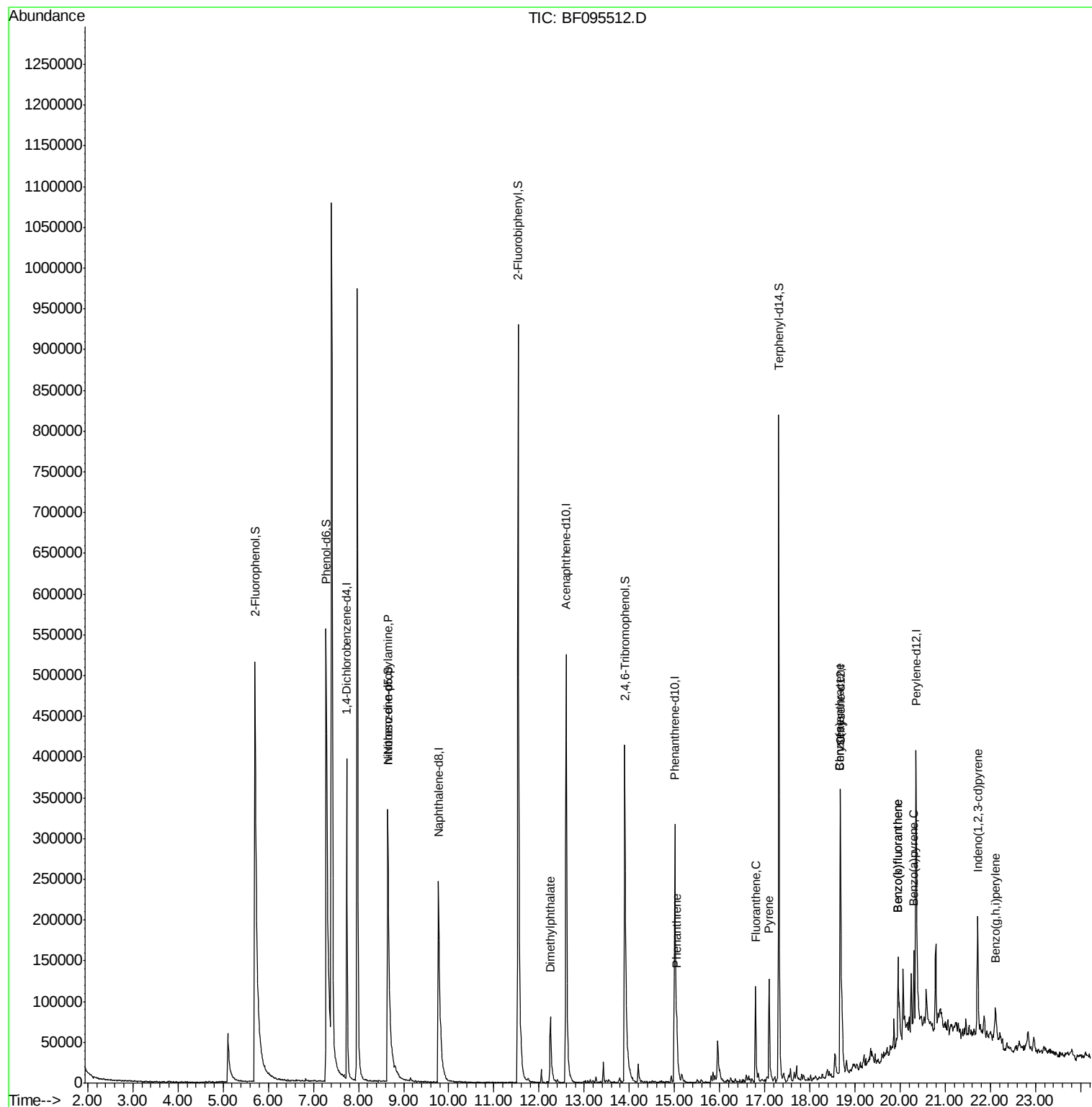
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	96637	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	389196	20.00	ng	0.01
38) Acenaphthene-d10	12.60	164	177481	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	279907	20.00	ng	0.00
75) Chrysene-d12	18.68	240	178790	20.00	ng	0.00
86) Perylene-d12	20.35	264	196612	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	518898	89.52	ng	0.00
7) Phenol-d6	7.28	99	658958	94.75	ng	-0.01
23) Nitrobenzene-d5	8.65	82	342087	55.43	ng	0.00
41) 2,4,6-Tribromophenol	13.90	330	121470	83.57	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	686996	55.71	ng	0.00
78) Terphenyl-d14	17.31	244	355983	43.85	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.65	70	39253	8.35	ng	# 75
49) Dimethylphthalate	12.25	163	94799	6.51	ng	97
70) Phenanthrene	15.05	178	44401	2.76	ng	97
74) Fluoranthene	16.79	202	86356	5.23	ng	99
77) Pyrene	17.09	202	82774	6.19	ng	96
80) Benzo(a)anthracene	18.67	228	35816	3.44	ng	98
82) Chrysene	18.67	228	35816	3.56	ng	97
85) Indeno(1,2,3-cd)pyrene	21.72	276	24660	3.02	ng	# 86
87) Benzo(b)fluoranthene	19.95	252	85807	7.06	ng	# 96
88) Benzo(k)fluoranthene	19.95	252	85807	7.32	ng	98
89) Benzo(a)pyrene	20.30	252	45142	4.03	ng	# 91
91) Benzo(a,h,i)perylene	22.11	276	27331	3.01	ng	# 87

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

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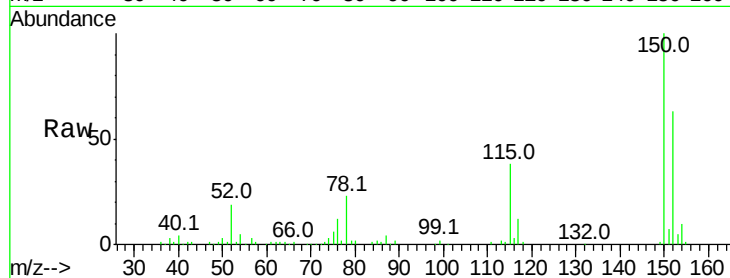


#1

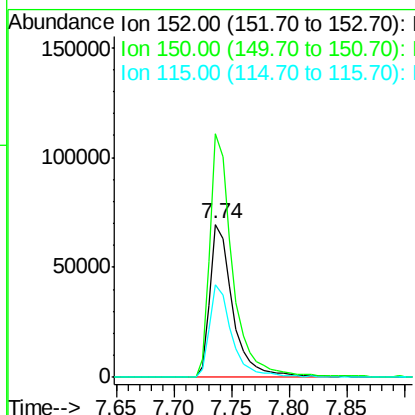
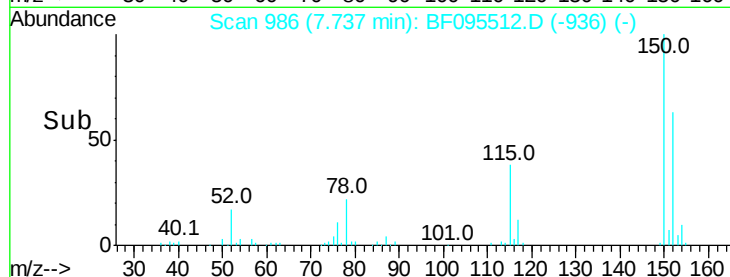
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 96637
Ion Ratio Lower Upper
152 100
150 159.3 126.2 189.2
115 60.4 52.2 78.2



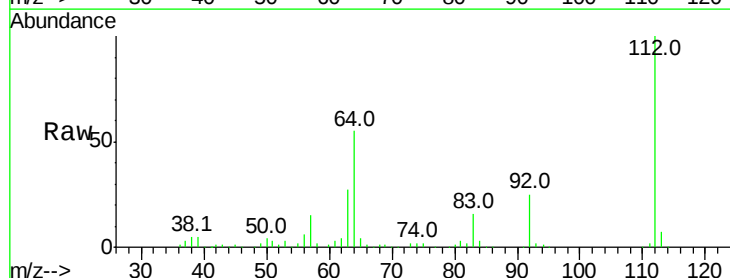
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



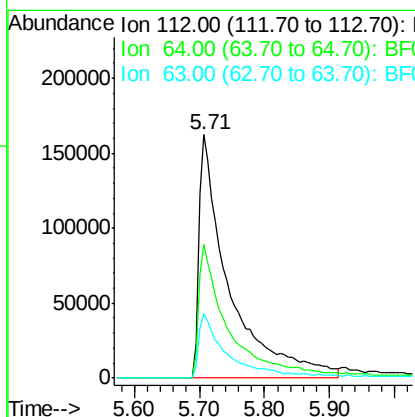
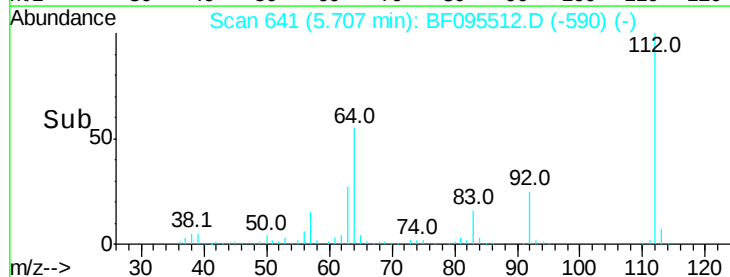
#5

2-Fluorophenol
Concen: 89.52 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Tgt Ion:112 Resp: 518898
Ion Ratio Lower Upper
112 100
64 54.6 46.0 69.0
63 26.5 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: 94.75 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Instrument :

BNA_F

ClientSampled :

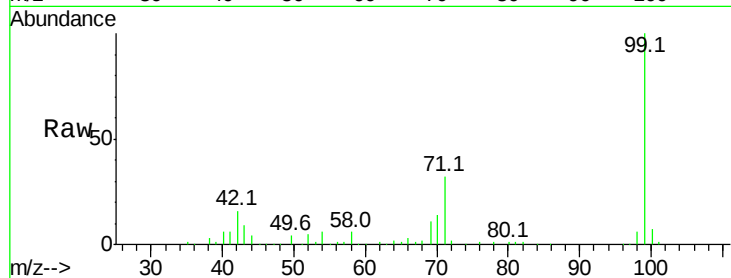
Tot Ion: 99 Resp: 658958

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

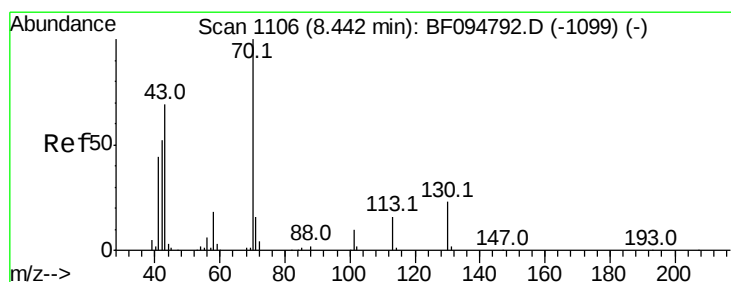
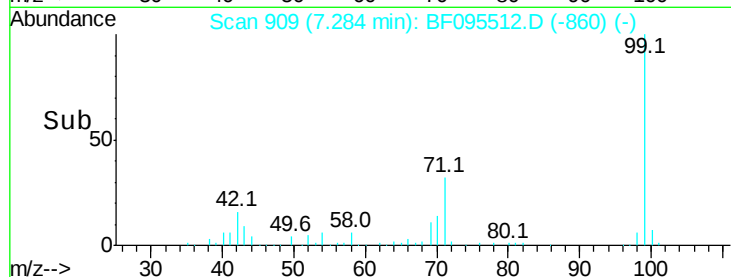
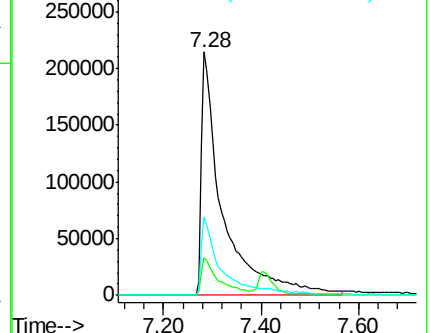
71 32.2 24.5 36.7



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: 8.35 ng

RT: 8.65 min Scan# 1141

Delta R.T. 0.19 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Tgt Ion: 70 Resp: 39253

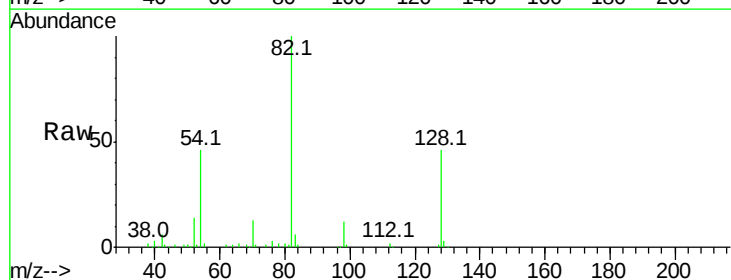
Ion Ratio Lower Upper

70 100

42 43.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

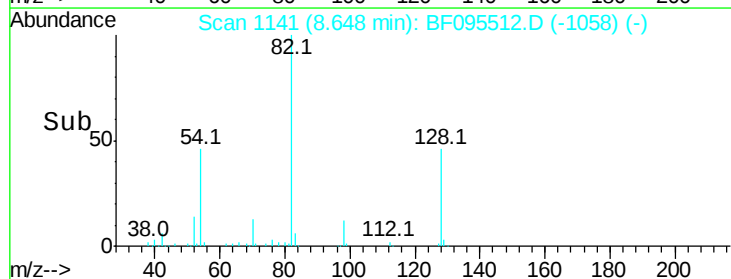
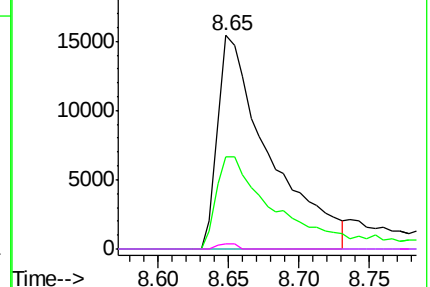


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095512.D

Acq: 27 May 2017 23:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 389196

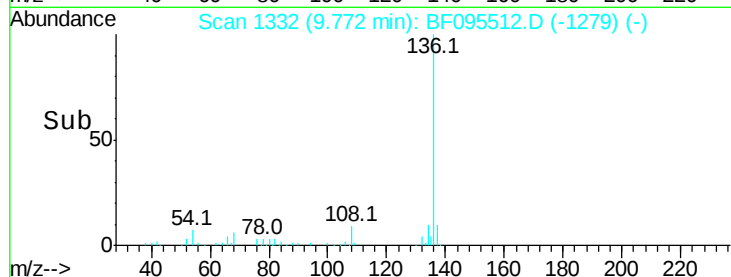
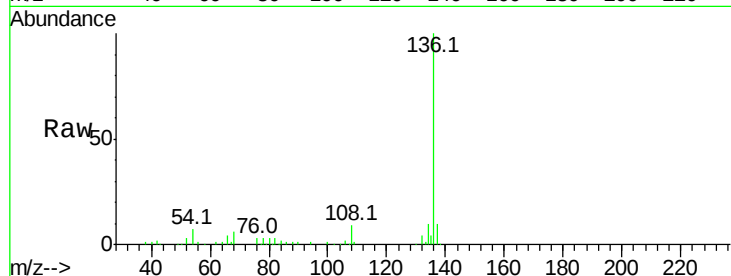
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.9 4.9 7.3

68 5.7 4.1 6.1

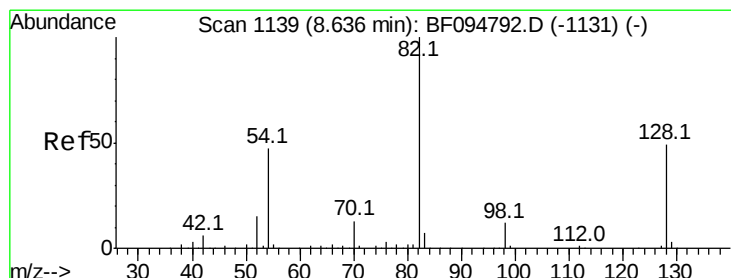
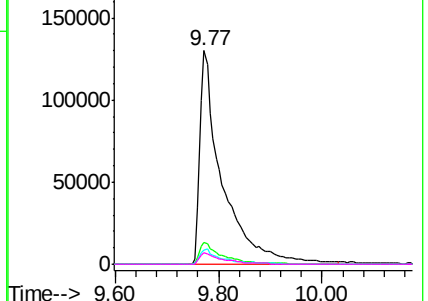


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.43 ng

RT: 8.65 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

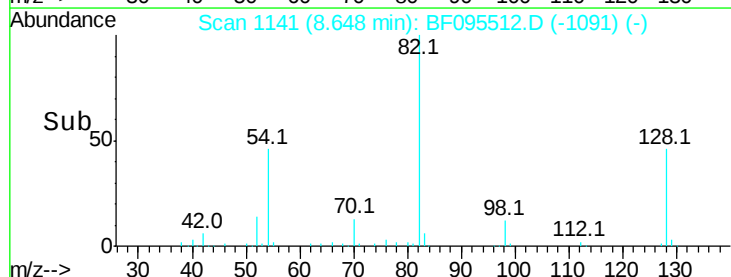
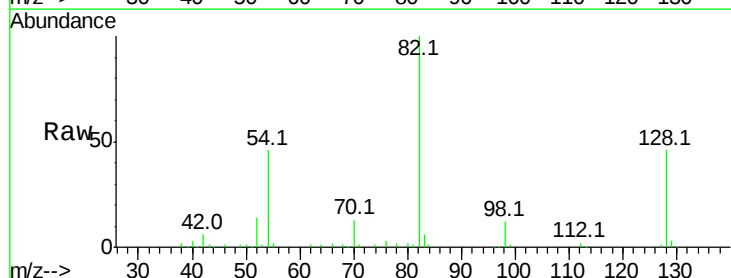
Tgt Ion: 82 Resp: 342087

Ion Ratio Lower Upper

82 100

128 45.9 34.0 51.0

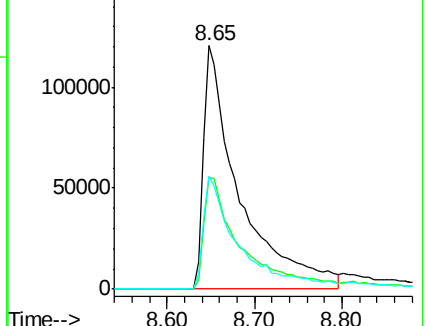
54 46.2 42.2 63.2

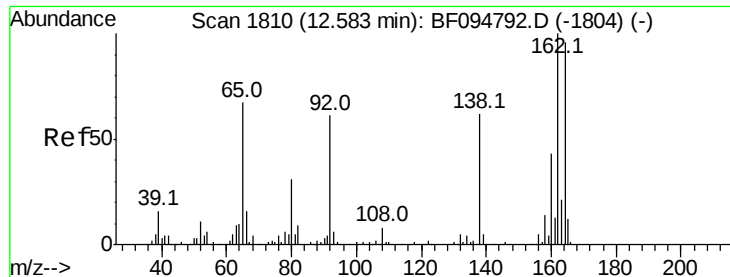


Abundance Ion 82.00 (81.70 to 82.70): BF0

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# 1813

Delta R.T. 0.01 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Instrument :

BNA_F

ClientSampleId :

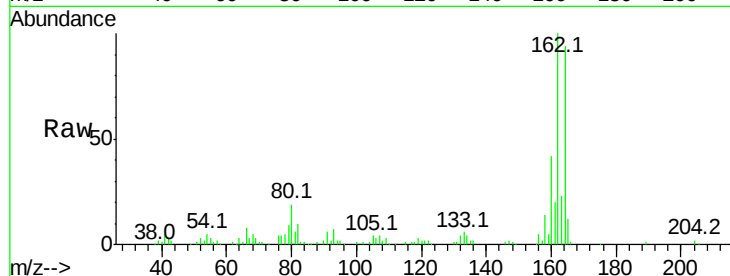
Tot Ion:164 Resp: 177481

Ion Ratio Lower Upper

164 100

162 106.0 82.6 123.8

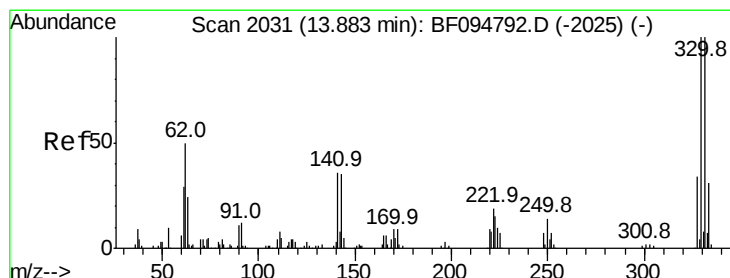
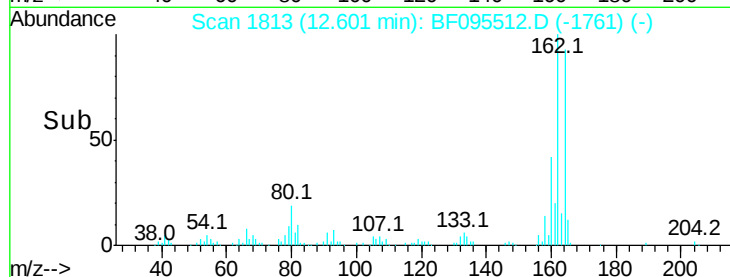
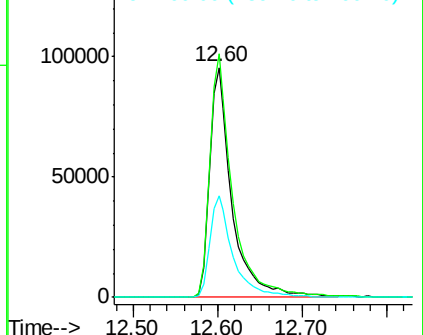
160 44.2 36.2 54.2



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: 83.57 ng

RT: 13.90 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

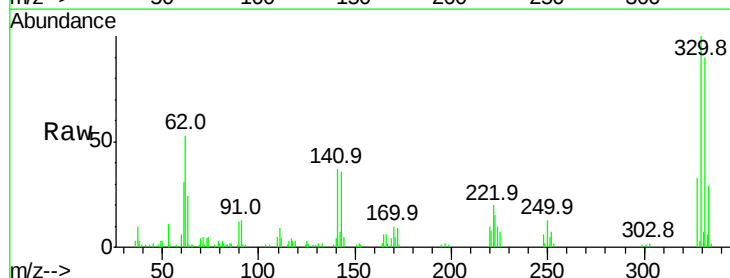
Tgt Ion:330 Resp: 121470

Ion Ratio Lower Upper

330 100

332 94.1 76.6 115.0

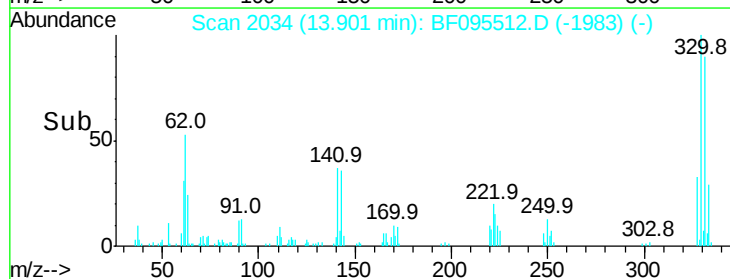
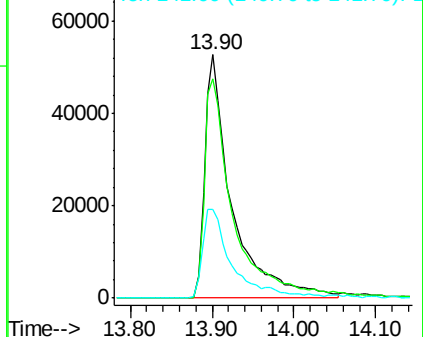
141 39.8 31.4 47.2



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

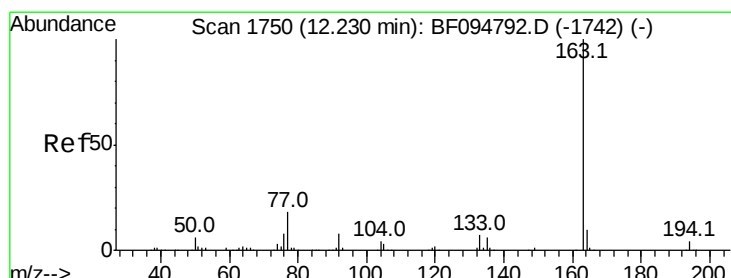
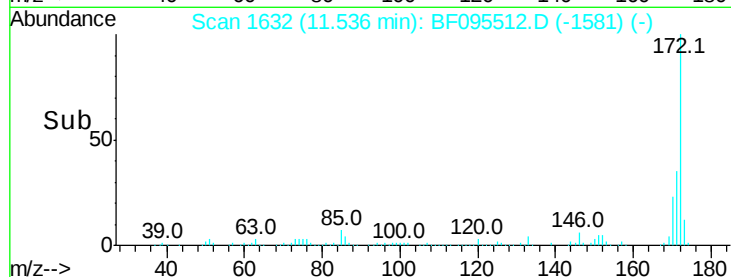
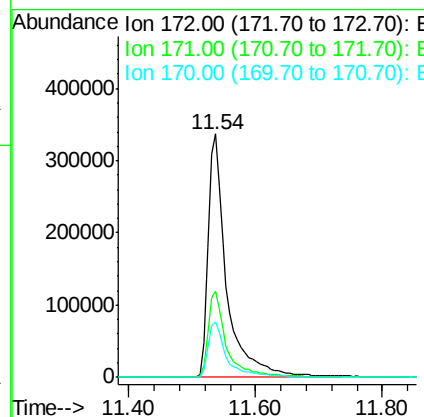
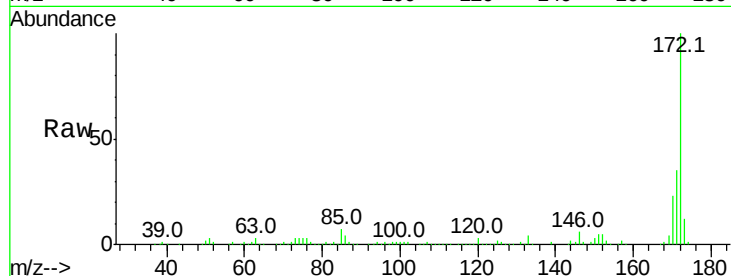




#44
2-Fluorobiphenyl
Concen: 55.71 ng
RT: 11.54 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

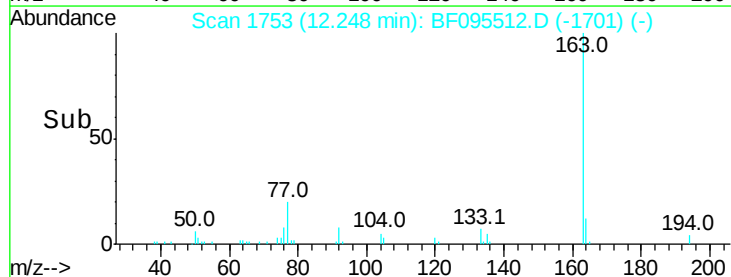
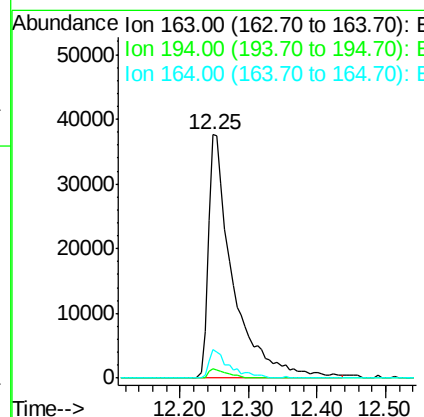
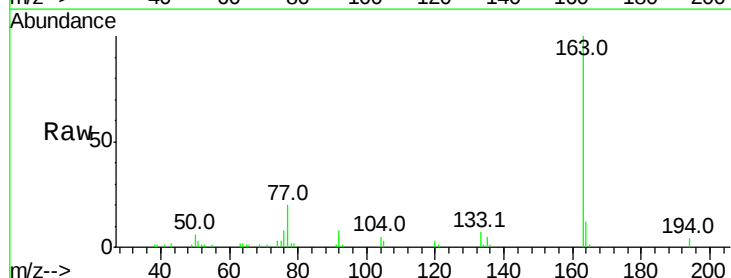
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 686996
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 22.8 19.8 29.8



#49
Dimethylphthalate
Concen: 6.51 ng
RT: 12.25 min Scan# 1753
Delta R.T. 0.01 min
Lab File: BF095512.D
Acq: 27 May 2017 23:25

Tgt Ion:163 Resp: 94799
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 11.9 8.4 12.6

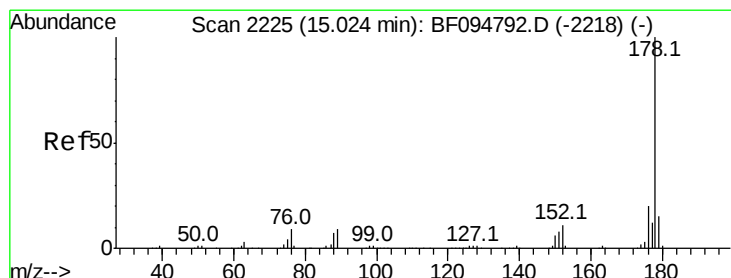
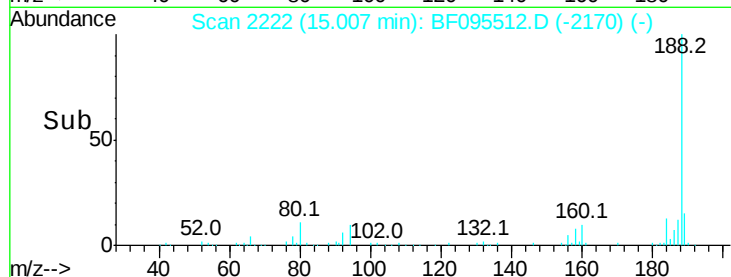
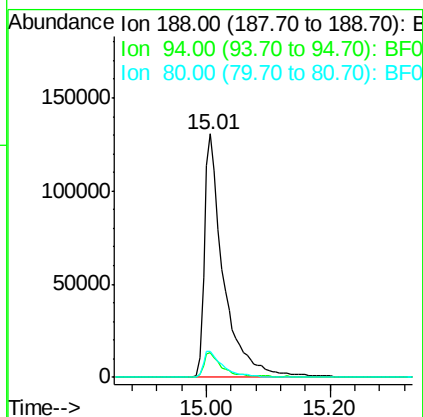
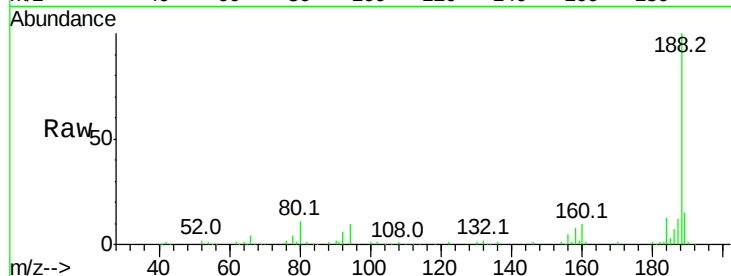




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. 0.01 min
 Lab File: BF095512.D
 Acq: 27 May 2017 23:25

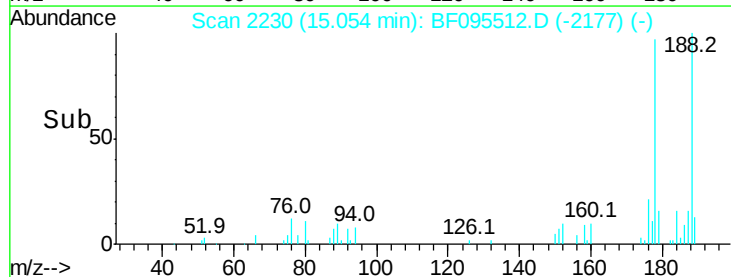
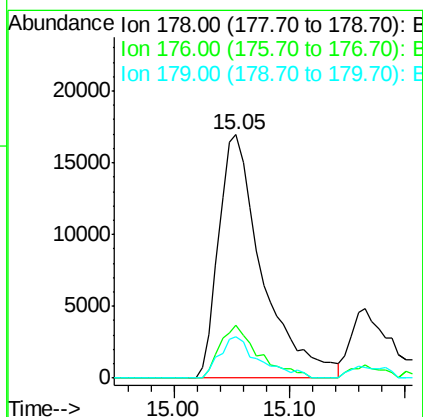
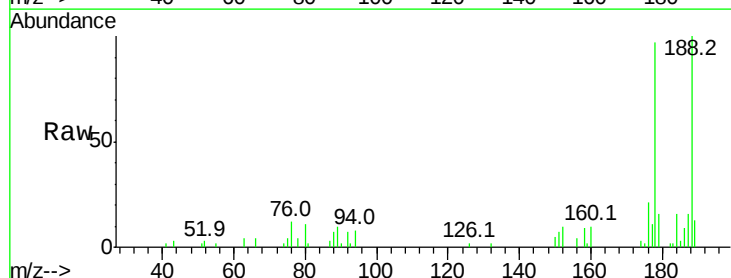
Instrument :
 BNA_F
 ClientSampleId :

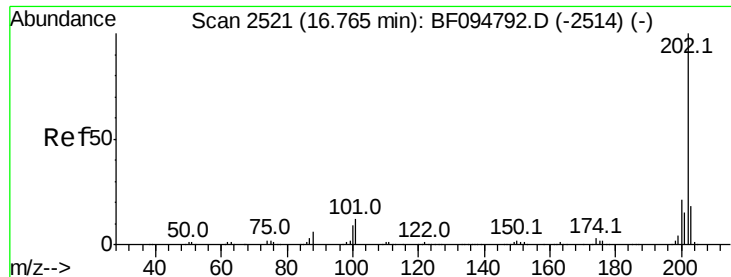
Tot Ion:188 Resp: 279907
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.4 14.2
 80 10.8 10.2 15.2



#70
 Phenanthrene
 Concen: 2.76 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. 0.01 min
 Lab File: BF095512.D
 Acq: 27 May 2017 23:25

Tgt Ion:178 Resp: 44401
 Ion Ratio Lower Upper
 178 100
 176 21.6 16.2 24.4
 179 16.8 12.6 19.0

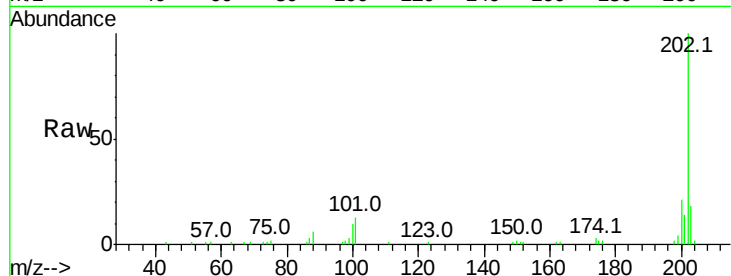




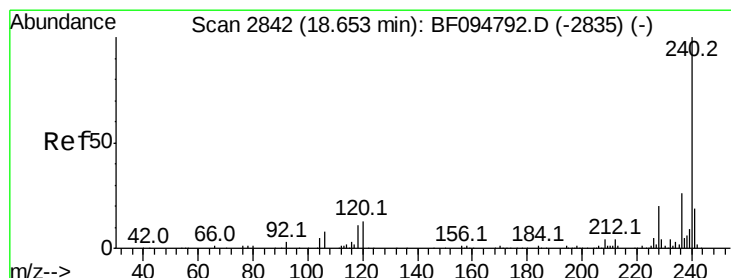
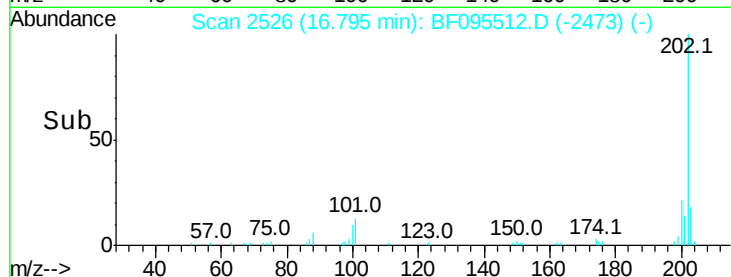
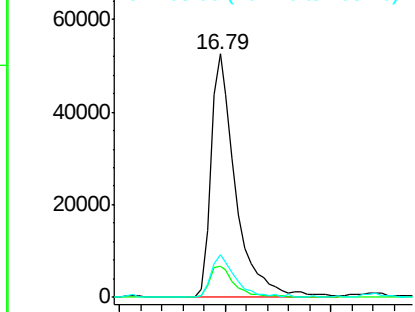
#74
 Fluoranthene
 Concen: 5.23 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. 0.01 min
 Lab File: BF095512.D
 Acq: 27 May 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.6	0.0	38.1

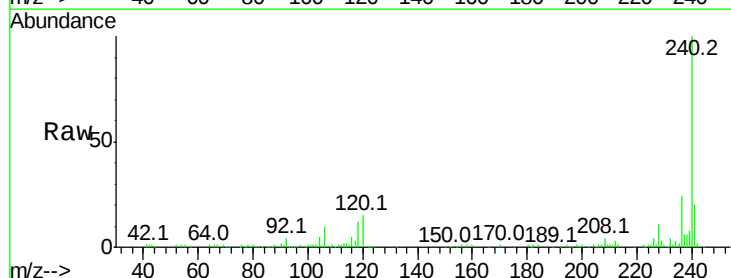


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

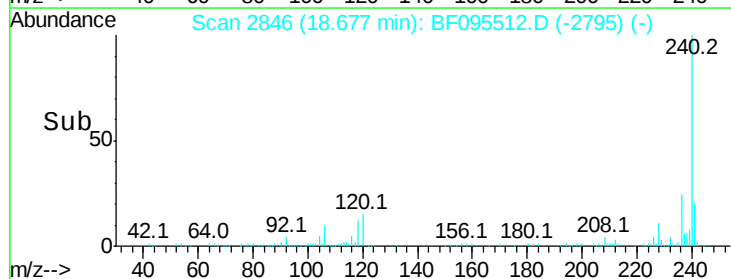
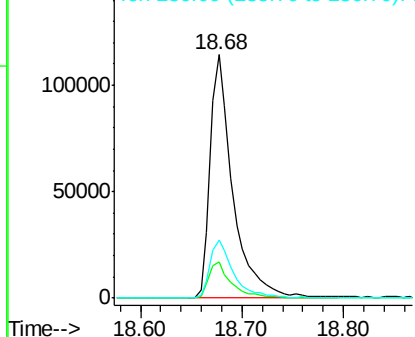


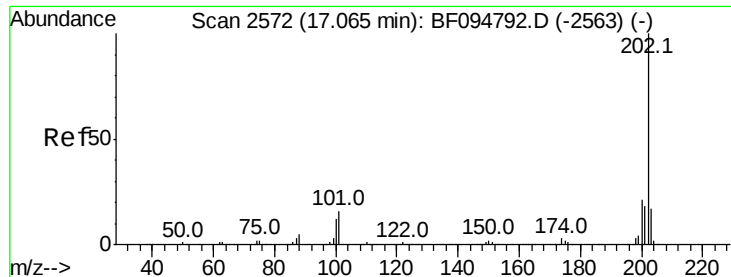
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. 0.00 min
 Lab File: BF095512.D
 Acq: 27 May 2017 23:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	24.1	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: 6.19 ng

RT: 17.09 min Scan# 2577

Delta R.T. 0.01 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Instrument :

BNA_F

ClientSampleId :

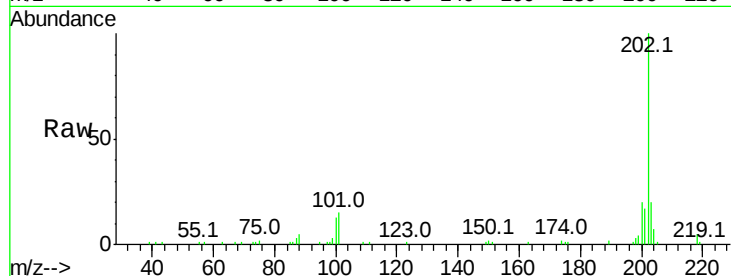
Tot Ion:202 Resp: 82774

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

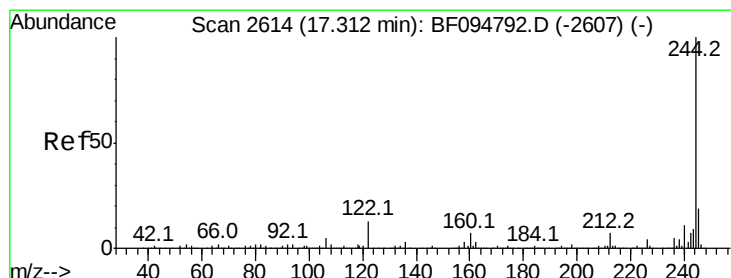
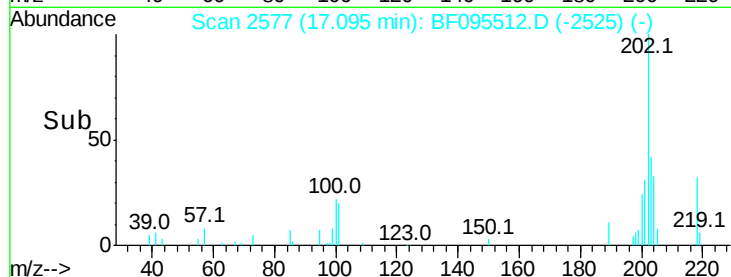
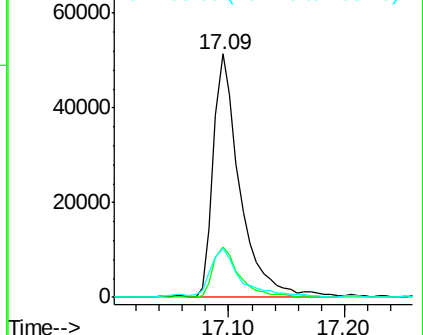
203 20.3 14.4 21.6



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: 43.85 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

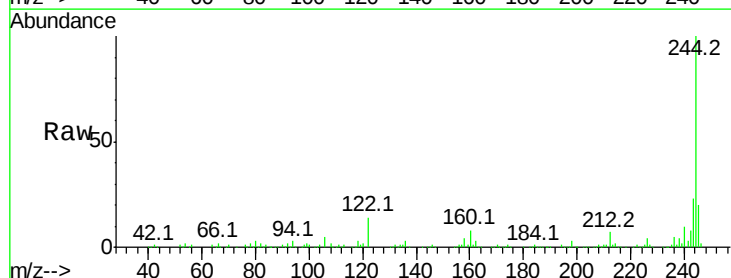
Tgt Ion:244 Resp: 355983

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

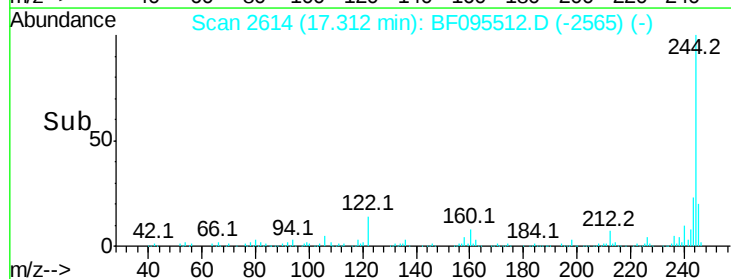
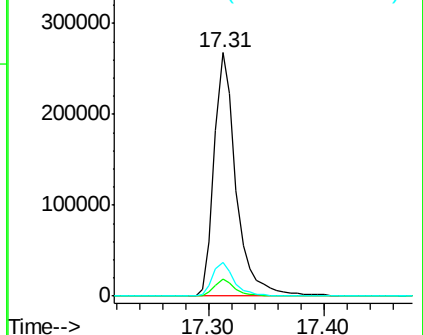
122 13.9 10.3 15.5

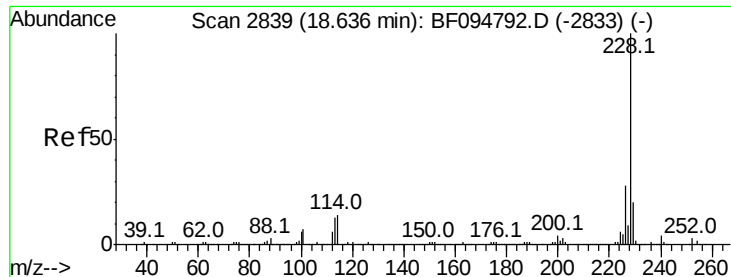


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.44 ng

RT: 18.67 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Instrument :

BNA_F

ClientSampleId :

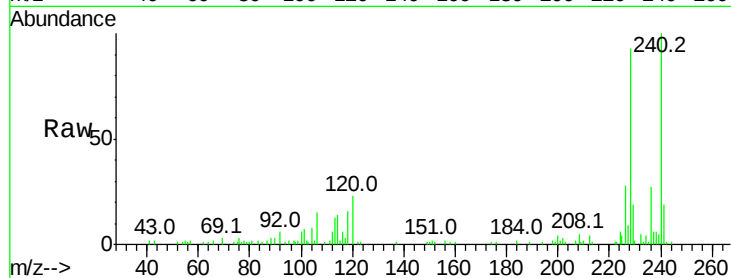
Tot Ion:228 Resp: 35816

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

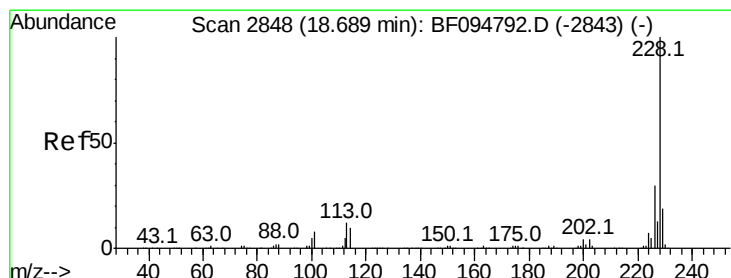
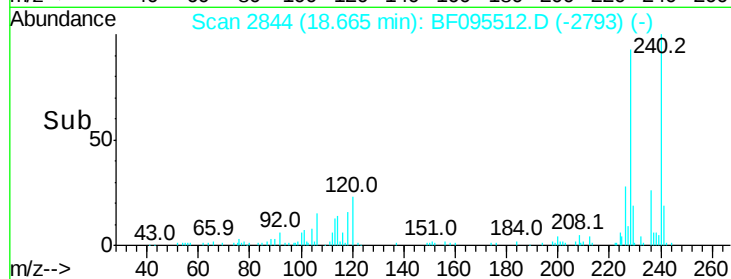
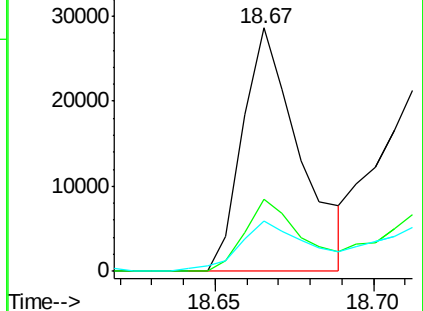
229 20.8 16.3 24.5



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



#82

Chrysene

Concen: 3.56 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.05 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

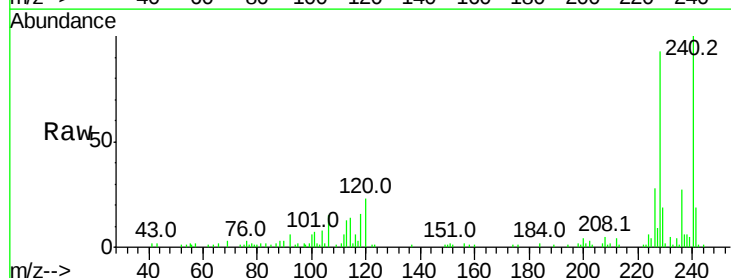
Tgt Ion:228 Resp: 35816

Ion Ratio Lower Upper

228 100

226 29.5 24.9 37.3

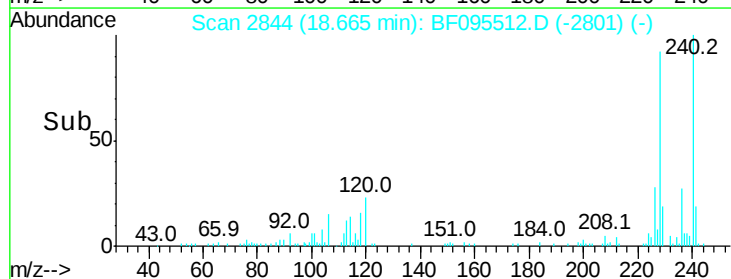
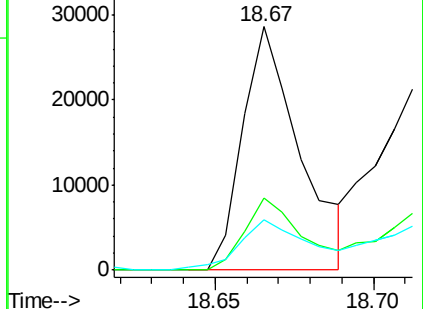
229 20.8 15.8 23.6

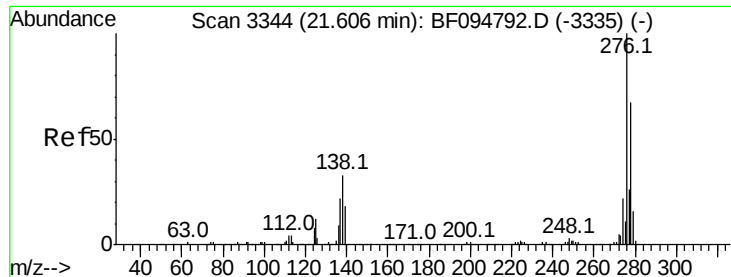


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.02 ng

RT: 21.72 min Scan# 3363

Delta R.T. 0.04 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Instrument :

BNA_F

ClientSampled :

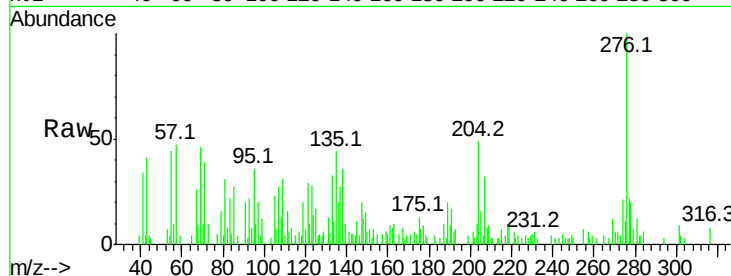
Tot Ion:276 Resp: 24660

Ion Ratio Lower Upper

276 100

138 45.7 27.8 41.6#

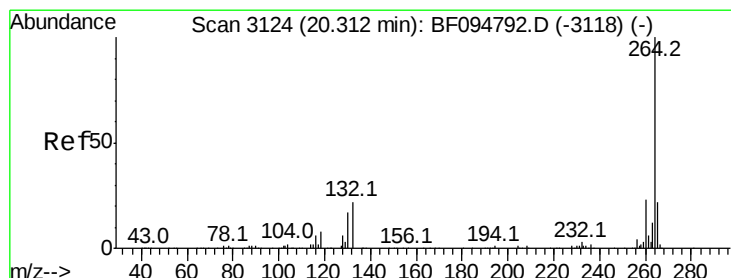
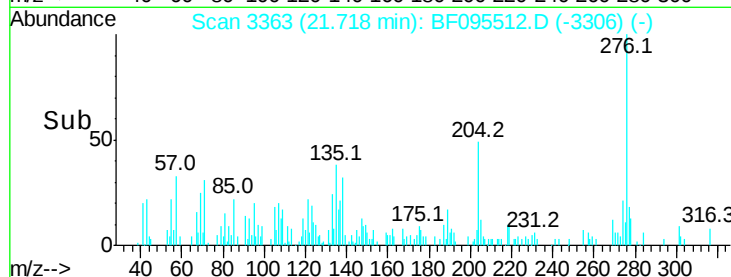
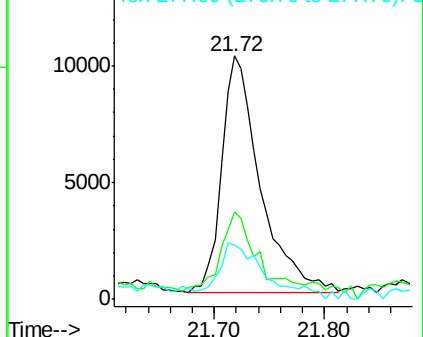
277 28.6 20.2 30.4



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: BF095512.D

Acq: 27 May 2017 23:25

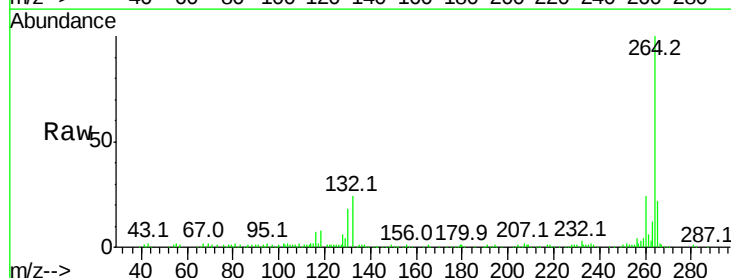
Tgt Ion:264 Resp: 196612

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

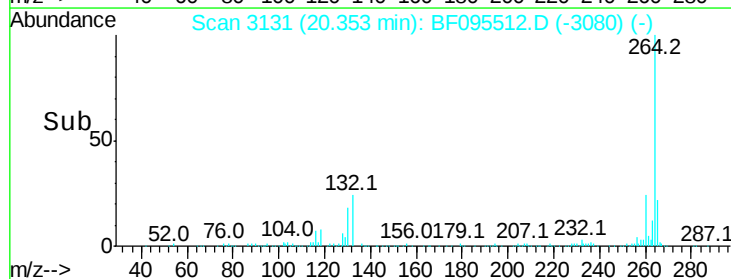
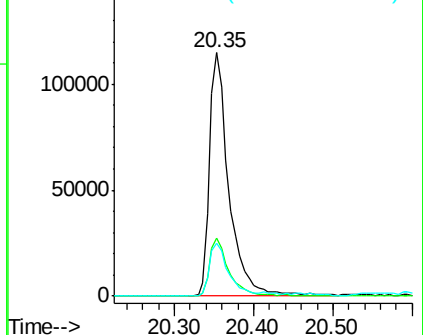
265 21.5 17.2 25.8

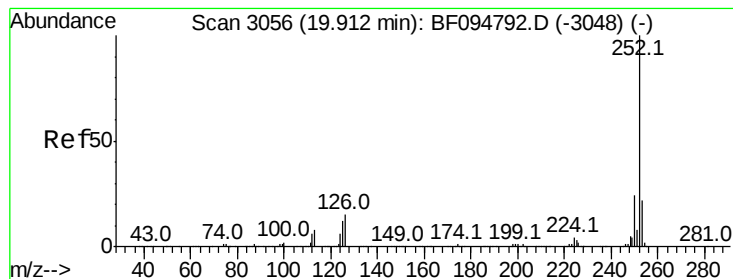


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.06 ng

RT: 19.95 min Scan# 3063

Delta R.T. 0.01 min

Lab File: BF095512.D

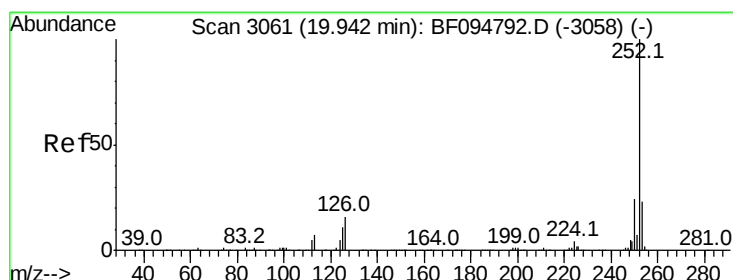
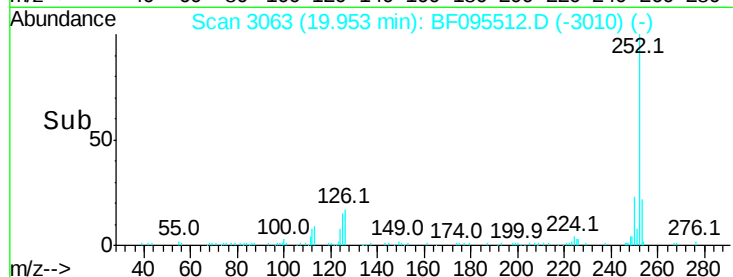
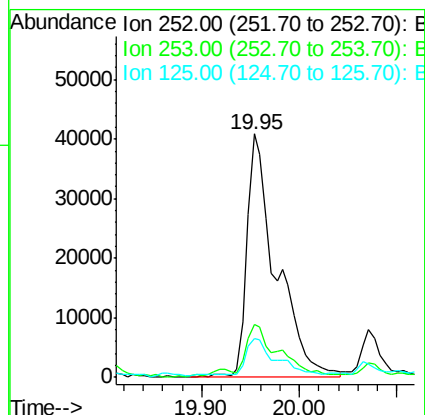
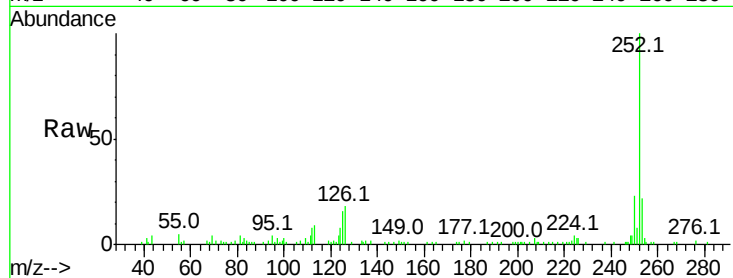
Acq: 27 May 2017 23:25

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	85807
Ion Ratio	Lower	Upper
252	100	
253	21.9	18.1 27.1
125	15.7	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 7.32 ng

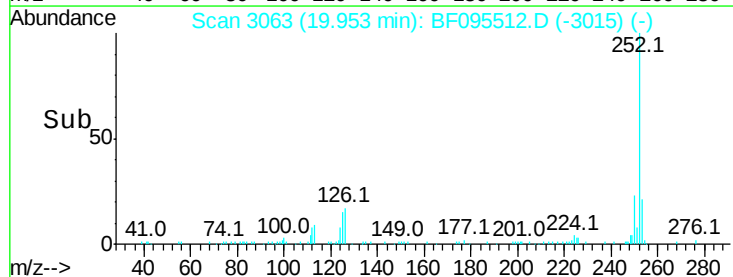
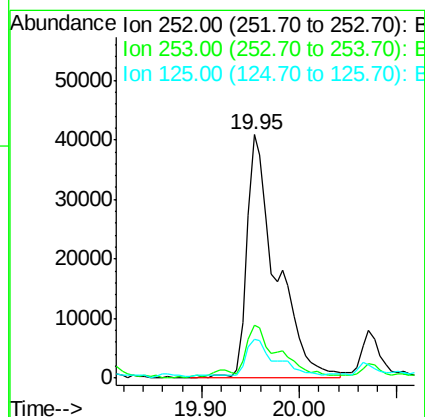
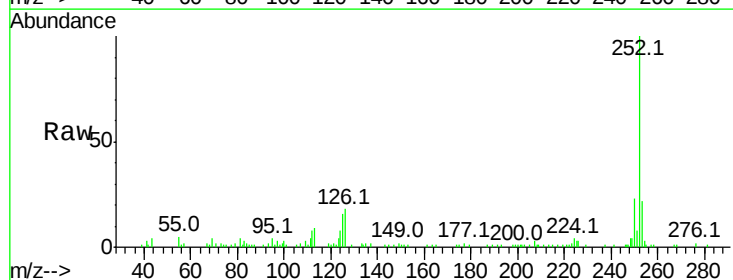
RT: 19.95 min Scan# 3063

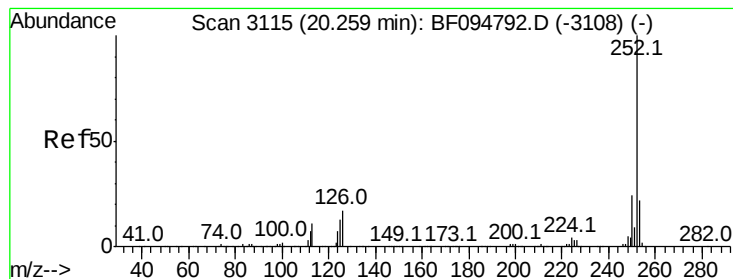
Delta R.T. -0.02 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Tgt Ion:252	Resp:	85807
Ion Ratio	Lower	Upper
252	100	
253	21.9	18.4 27.6
125	15.7	13.1 19.7





#89

Benzo(a)pyrene

Concen: 4.03 ng

RT: 20.30 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Instrument :

BNA_F

ClientSampleId :

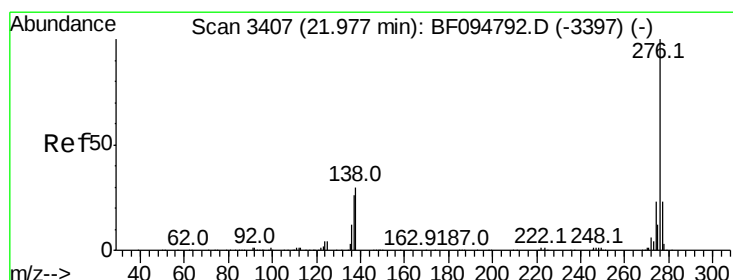
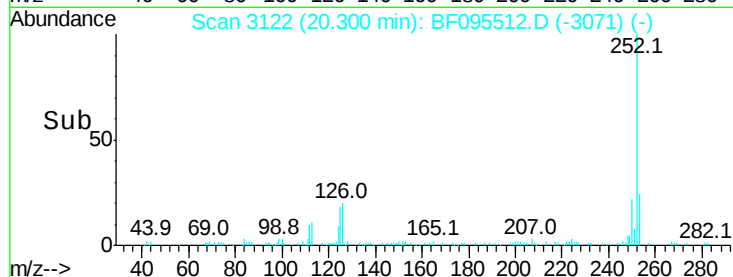
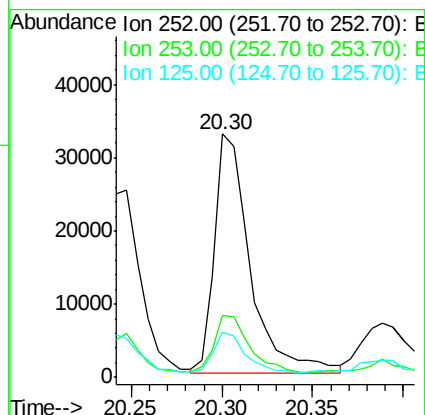
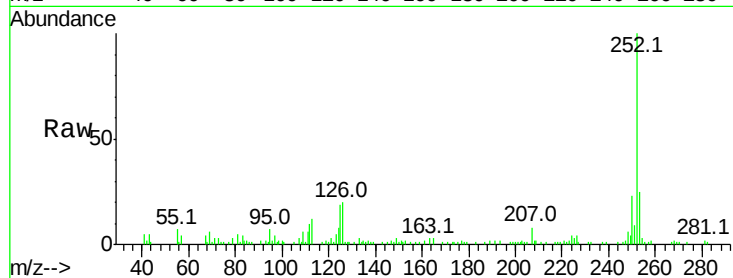
Tot Ion:252 Resp: 45142

Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

125 18.6 11.0 16.4#



#91

Benzo(g,h,i)perylene

Concen: 3.01 ng

RT: 22.11 min Scan# 3430

Delta R.T. 0.04 min

Lab File: BF095512.D

Acq: 27 May 2017 23:25

Tgt Ion:276 Resp: 27331

Ion Ratio Lower Upper

276 100

277 30.8 18.6 28.0#

138 37.7 25.4 38.0

