

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095804.D
 Acq On : 9 Jun 2017 2:22
 Operator : SJ/MA
 Sample : I3563-02 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 09 04:30:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	71084	20.00	ng	-0.04
21) Naphthalene-d8	9.40	136	273830	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	111511	20.00	ng	-0.04
63) Phenanthrene-d10	14.61	188	172252	20.00	ng	-0.04
75) Chrysene-d12	18.33	240	137571	20.00	ng	-0.02
86) Perylene-d12	20.00	264	104256	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	89106	19.97	ng	-0.01
7) Phenol-d6	6.94	99	116741	21.86	ng	-0.02
23) Nitrobenzene-d5	8.29	82	64167	14.55	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	18320	18.57	ng	-0.03
44) 2-Fluorobiphenyl	11.17	172	131528	16.41	ng	-0.04
78) Terphenyl-d14	16.99	244	89348	16.12	ng	-0.03

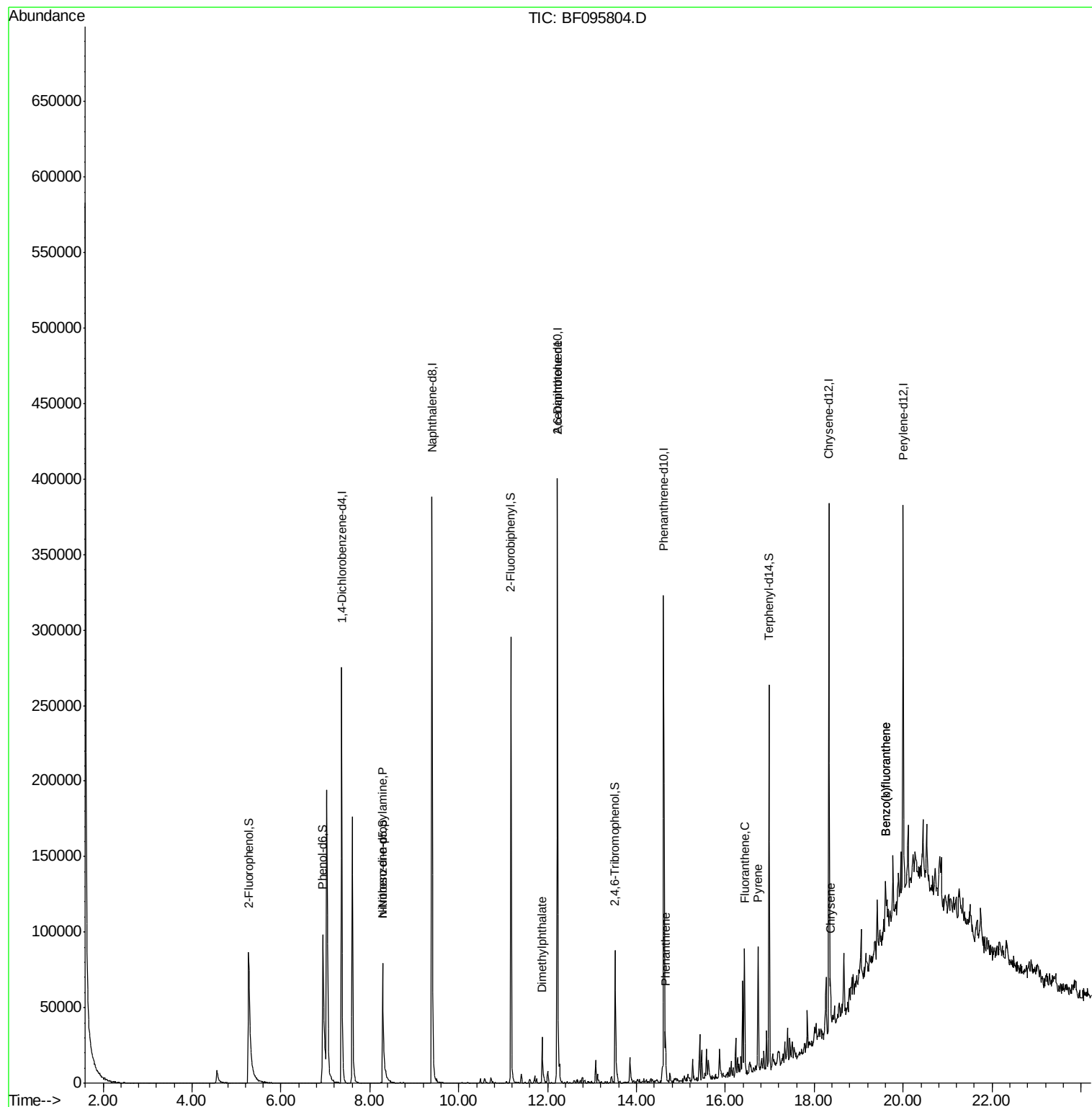
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	8.29	70	7843	2.32	ng	# 77
49) Dimethylphthalate	11.87	163	22450	2.65	ng	99
50) 2,6-Dinitrotoluene	12.22	165	14454	7.83	ng	# 31
70) Phenanthrene	14.65	178	22467	2.26	ng	97
74) Fluoranthene	16.43	202	33225	3.38	ng	96
77) Pyrene	16.73	202	42382	4.13	ng	95
82) Chrysene	18.36	228	16768	2.10	ng	# 95
87) Benzo(b)fluoranthene	19.60	252	16963	2.60	ng	# 84
88) Benzo(k)fluoranthene	19.60	252	16963	2.72	ng	# 88

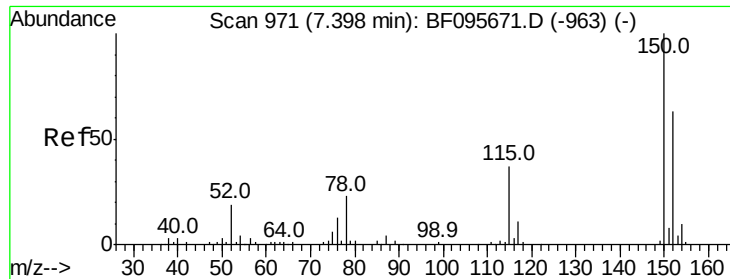
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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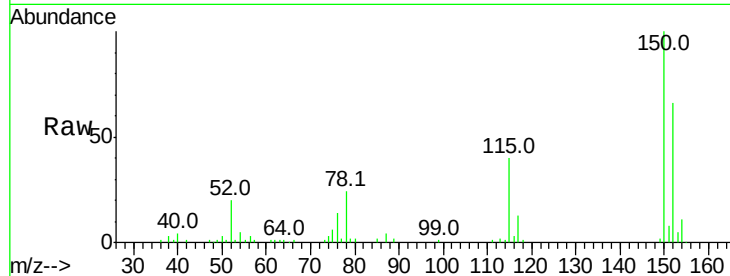


#1

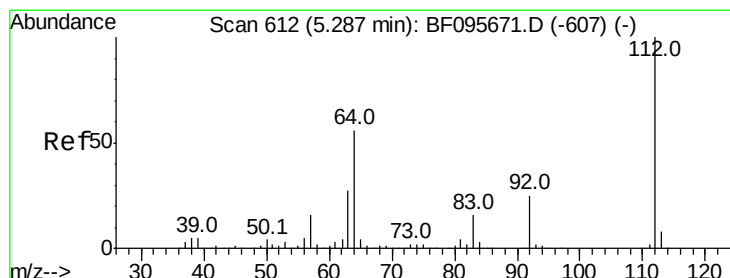
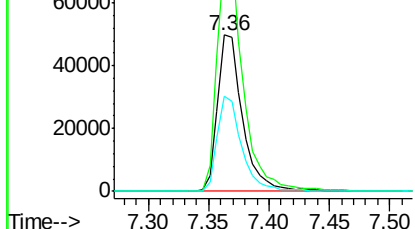
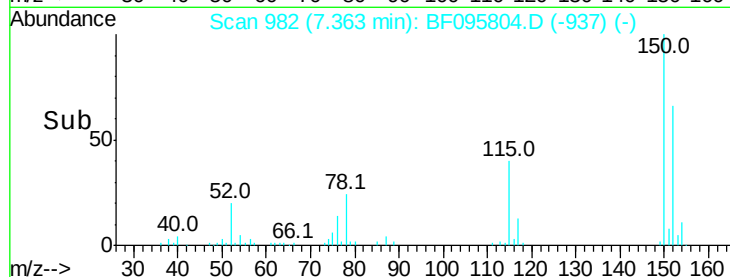
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.36 min Scan# 982
Delta R.T. -0.04 min
Lab File: BF095804.D
Acq: 9 Jun 2017 2:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 71084
Ion Ratio Lower Upper
152 100
150 151.9 126.2 189.2
115 60.6 52.2 78.2



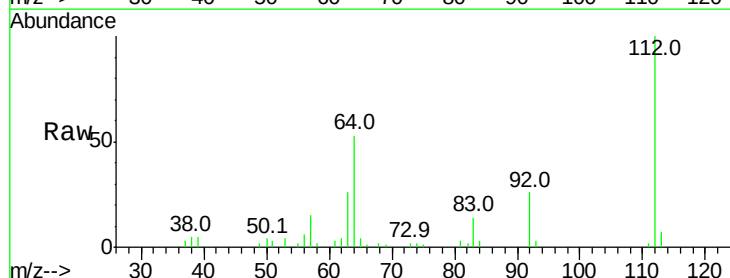
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



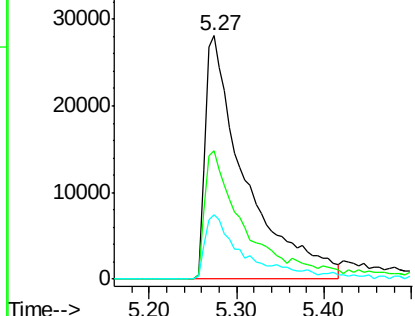
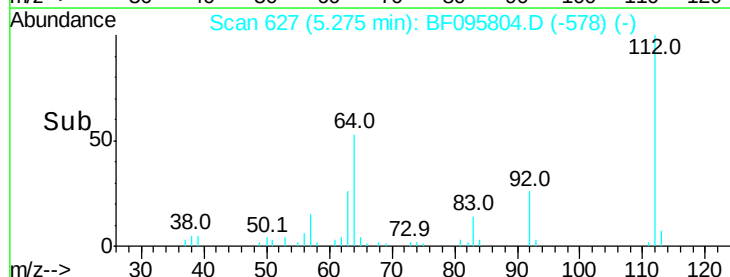
#5

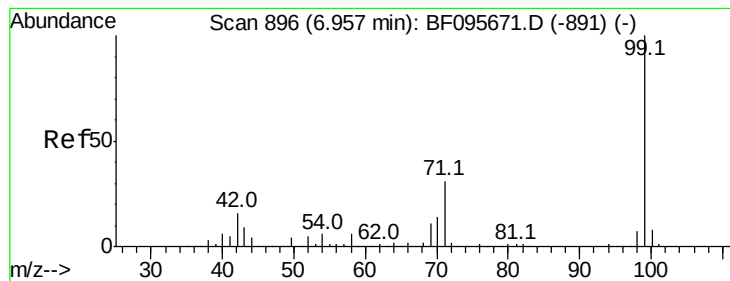
2-Fluorophenol
Concen: 19.97 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095804.D
Acq: 9 Jun 2017 2:22

Tgt Ion:112 Resp: 89106
Ion Ratio Lower Upper
112 100
64 52.7 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: 21.86 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

Instrument :

BNA_F

ClientSampled :

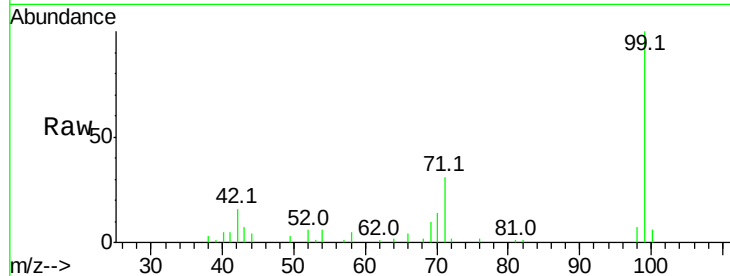
Tot Ion: 99 Resp: 116741

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

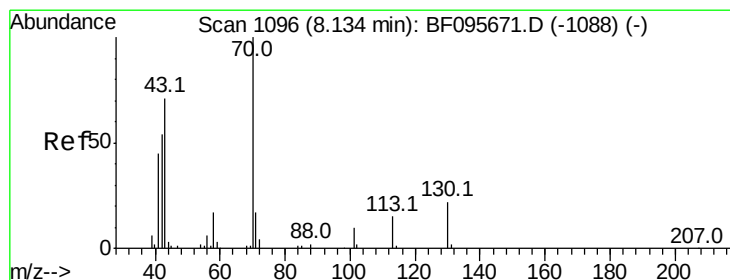
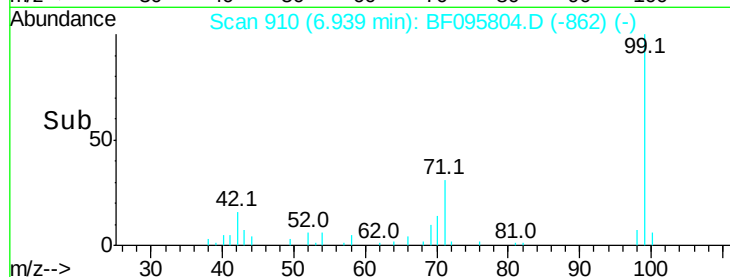
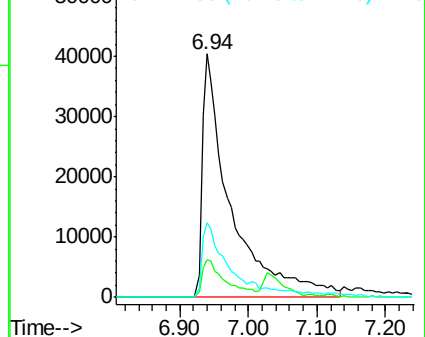
71 30.6 24.5 36.7



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: 2.32 ng

RT: 8.29 min Scan# 1139

Delta R.T. 0.15 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

Tgt Ion: 70 Resp: 7843

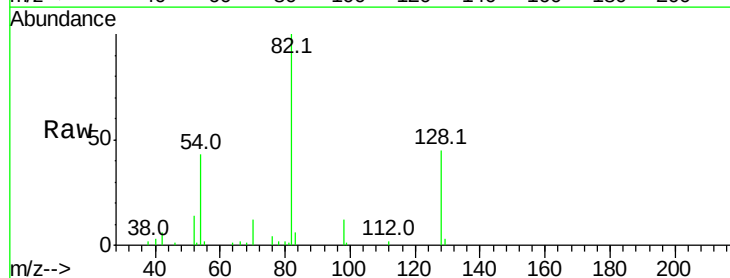
Ion Ratio Lower Upper

70 100

42 47.0 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

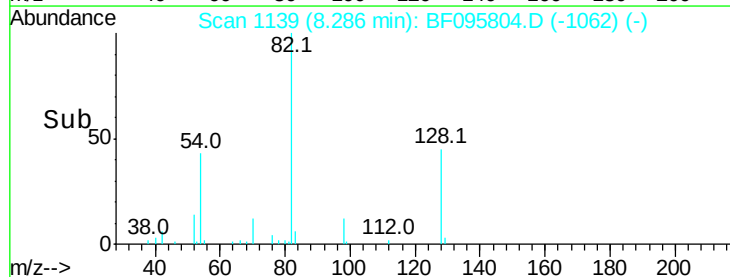
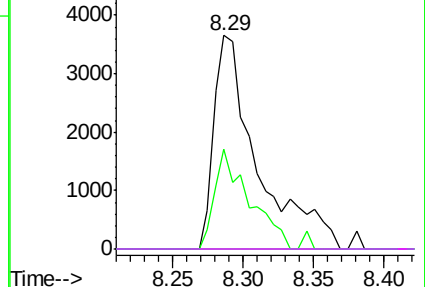


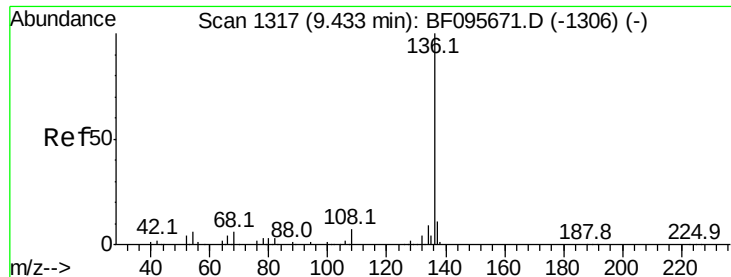
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 273830

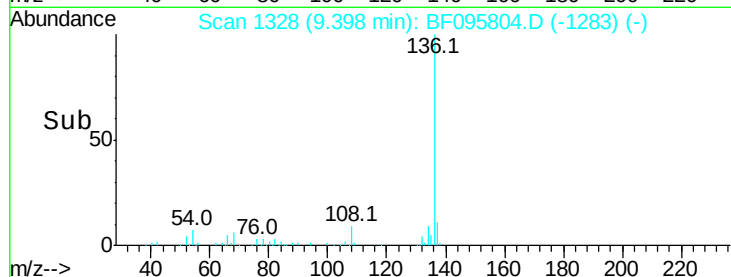
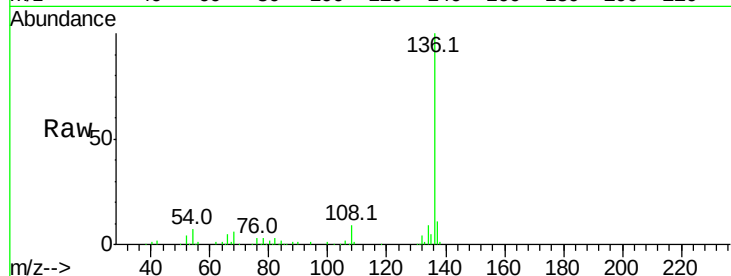
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.8 4.9 7.3

68 5.5 4.1 6.1

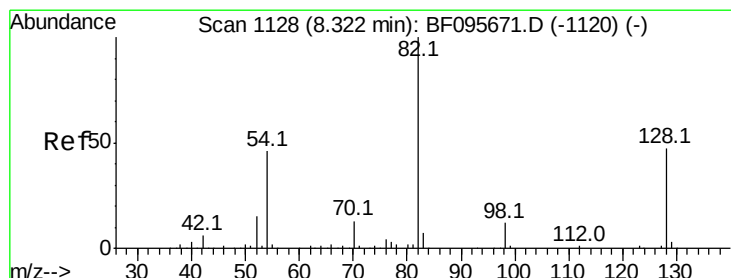
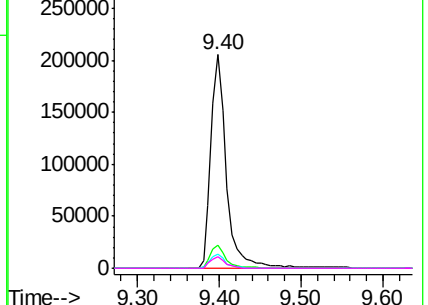


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.55 ng

RT: 8.29 min Scan# 1139

Delta R.T. -0.04 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

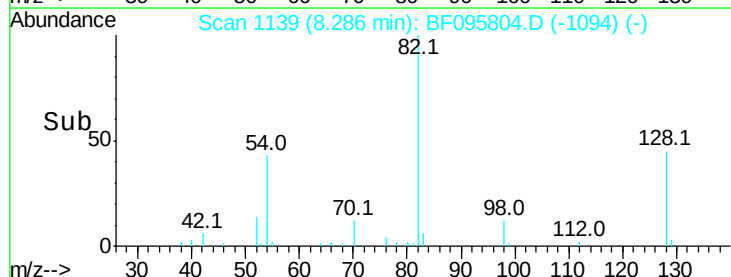
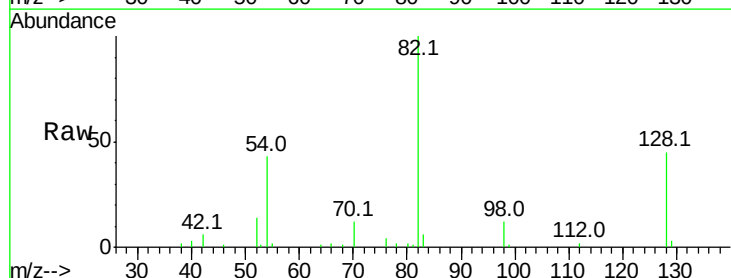
Tgt Ion: 82 Resp: 64167

Ion Ratio Lower Upper

82 100

128 44.7 34.0 51.0

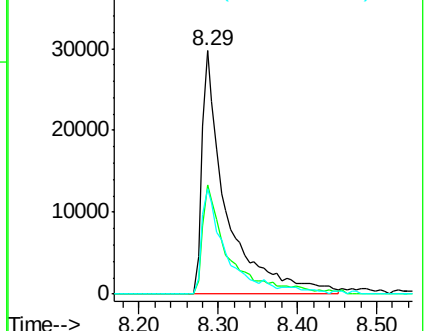
54 43.1 42.2 63.2

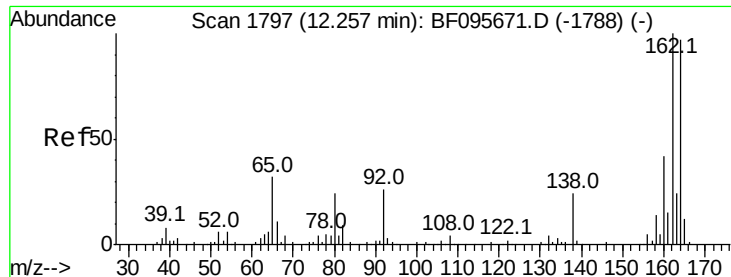


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.22 min Scan# 1808

Delta R.T. -0.04 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

Instrument :

BNA_F

ClientSampleId :

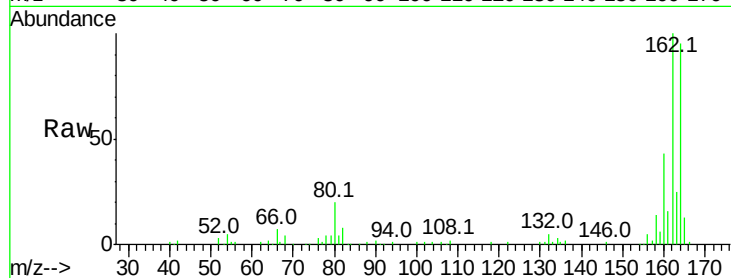
Tot Ion:164 Resp: 111511

Ion Ratio Lower Upper

164 100

162 105.2 82.6 123.8

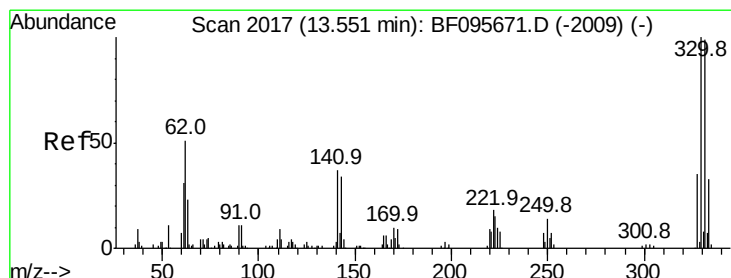
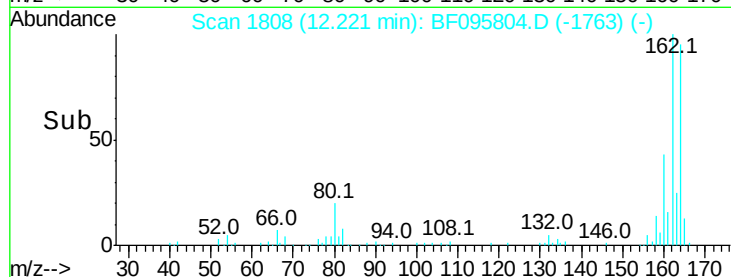
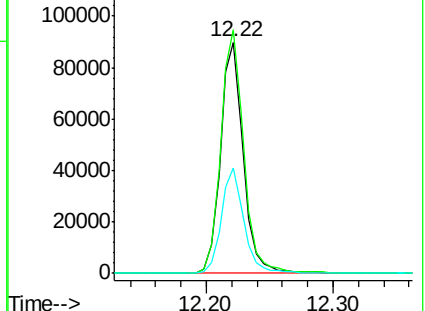
160 45.7 36.2 54.2



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: 18.57 ng

RT: 13.52 min Scan# 2029

Delta R.T. -0.03 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

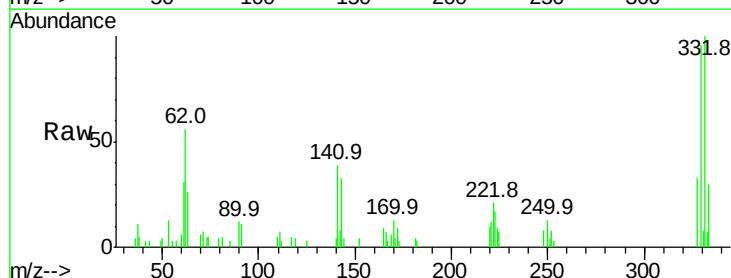
Tgt Ion:330 Resp: 18320

Ion Ratio Lower Upper

330 100

332 97.7 76.6 115.0

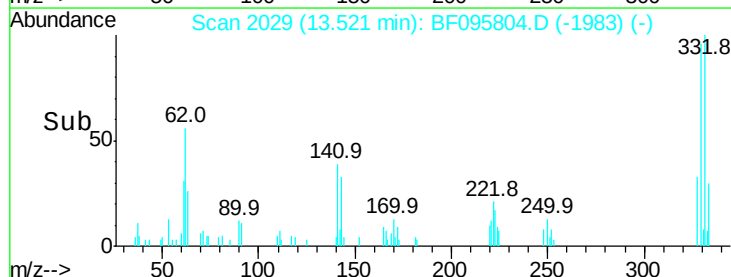
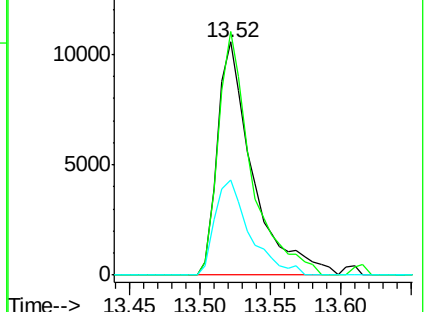
141 40.3 31.4 47.2

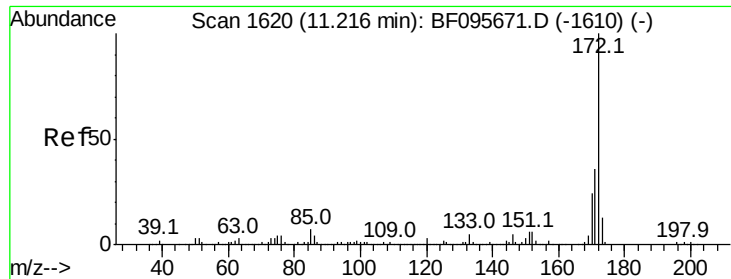


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

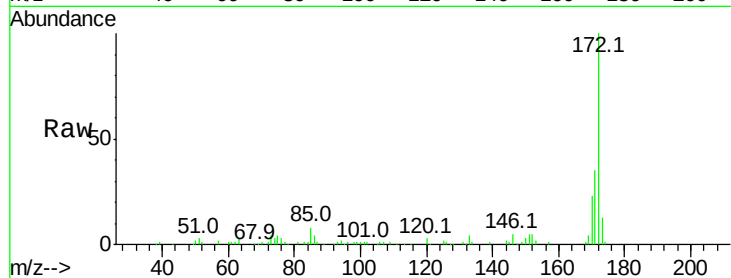




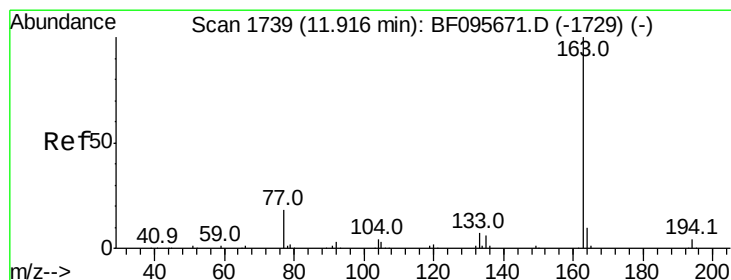
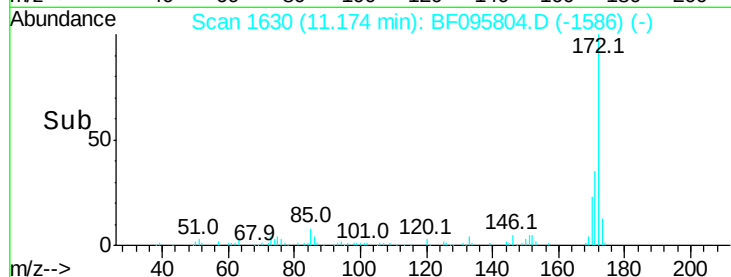
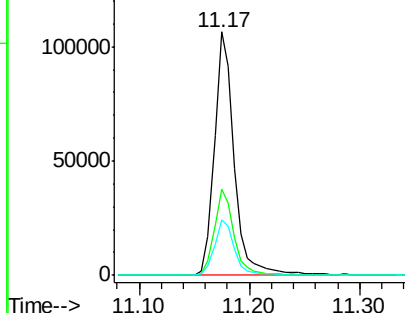
#44
2-Fluorobiphenyl
Concen: 16.41 ng
RT: 11.17 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF095804.D
Acq: 9 Jun 2017 2:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 131528
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 22.8 19.8 29.8

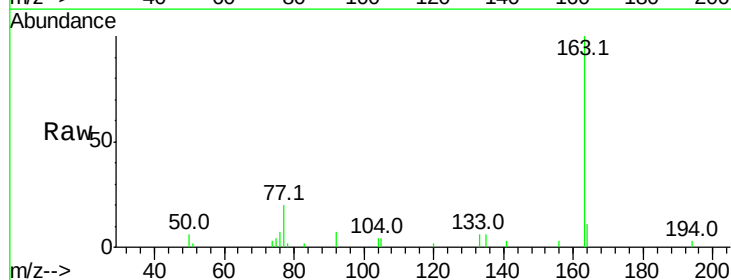


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

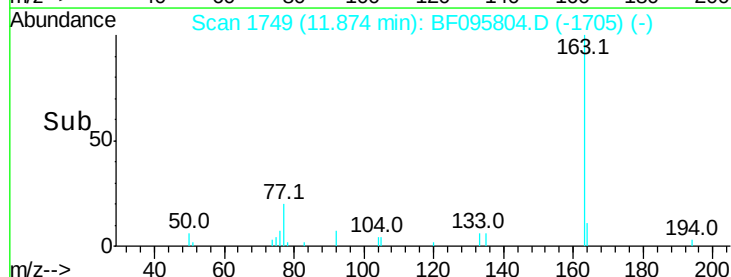
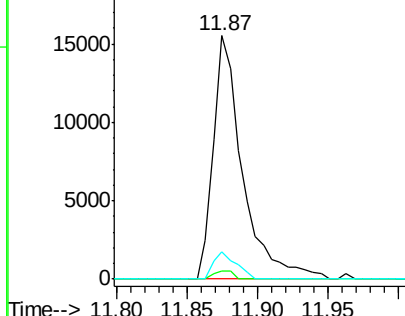


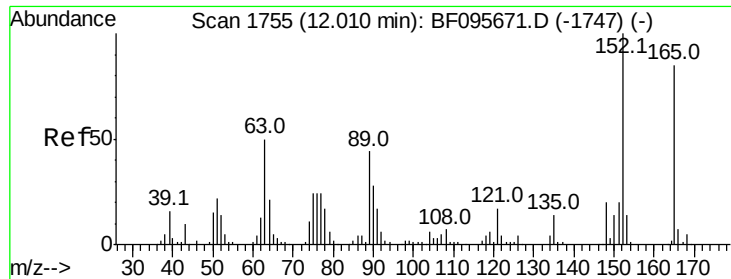
#49
Dimethylphthalate
Concen: 2.65 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095804.D
Acq: 9 Jun 2017 2:22

Tgt Ion:163 Resp: 22450
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 11.1 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

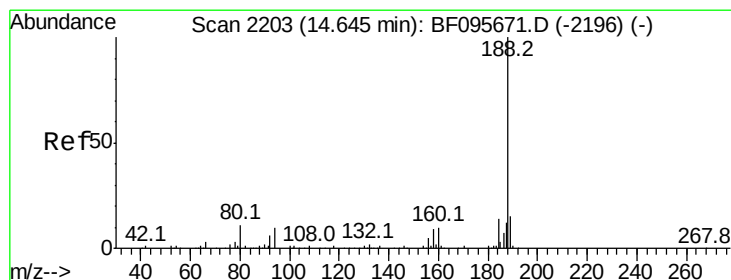
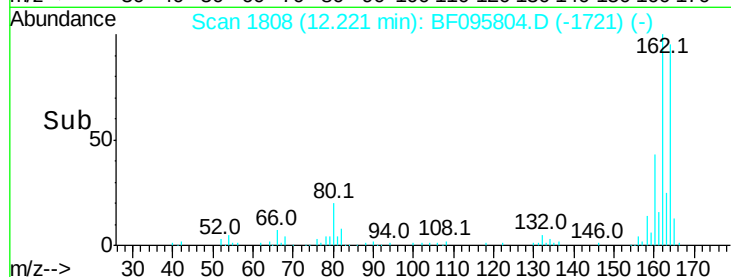
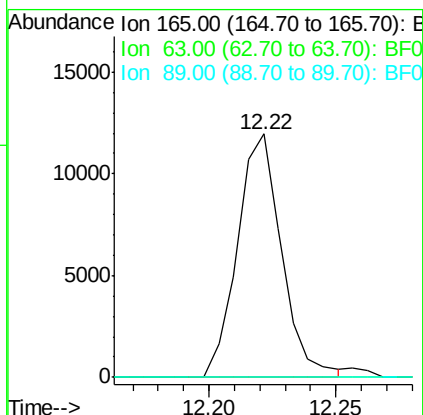
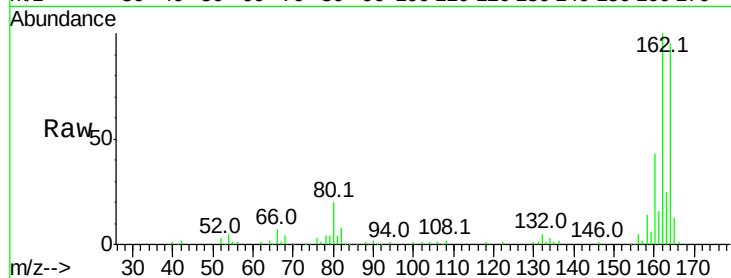




#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. 0.21 min
 Lab File: BF095804.D
 Acq: 9 Jun 2017 2:22

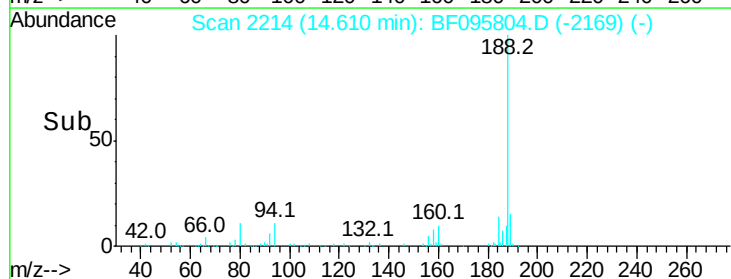
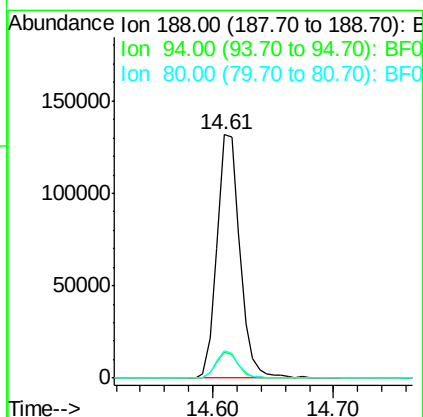
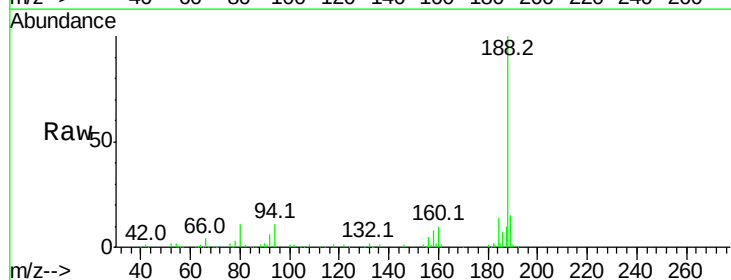
Instrument :
 BNA_F
 ClientSampleId :

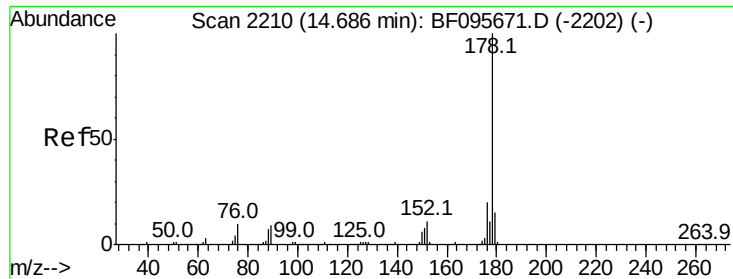
Tot Ion:165 Resp: 14454
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.61 min Scan# 2214
 Delta R.T. -0.04 min
 Lab File: BF095804.D
 Acq: 9 Jun 2017 2:22

Tgt Ion:188 Resp: 172252
 Ion Ratio Lower Upper
 188 100
 94 10.5 9.4 14.2
 80 11.4 10.2 15.2





#70

Phenanthrene

Concen: 2.26 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.04 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

Instrument :

BNA_F

ClientSampleId :

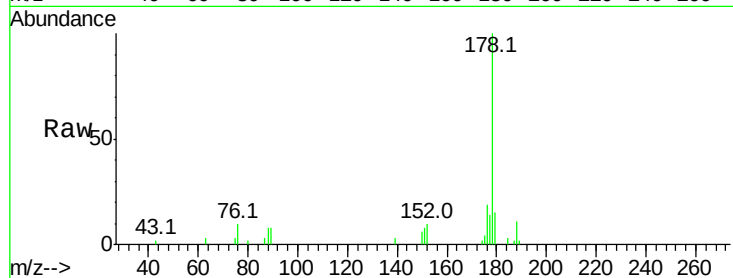
Tot Ion:178 Resp: 22467

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

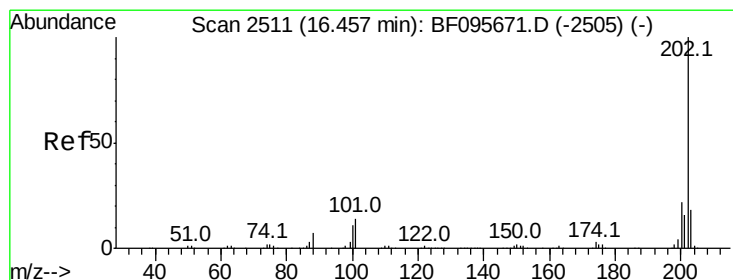
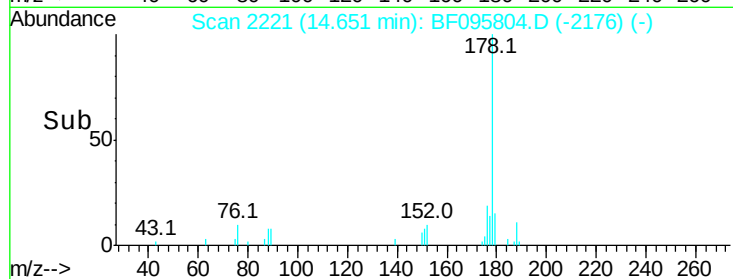
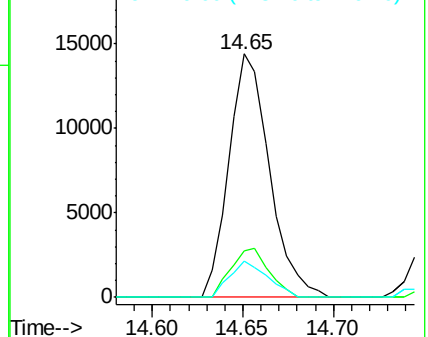
179 14.6 12.6 19.0



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: 3.38 ng

RT: 16.43 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

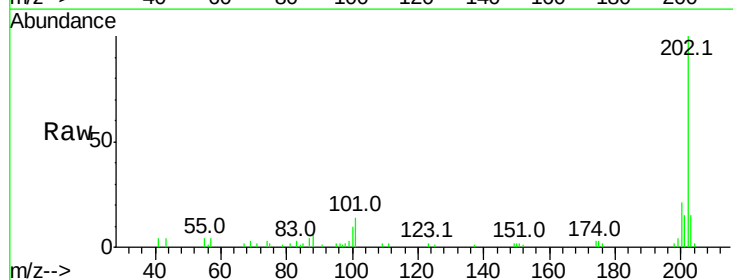
Tgt Ion:202 Resp: 33225

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

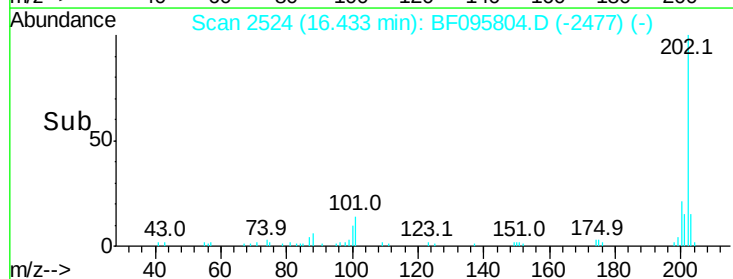
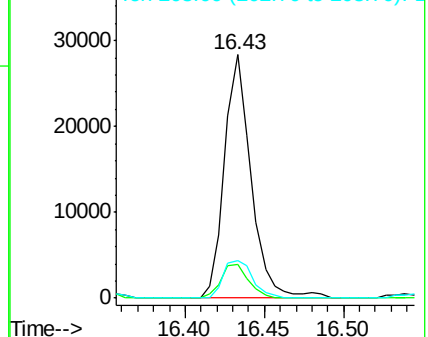
203 15.4 0.0 38.1

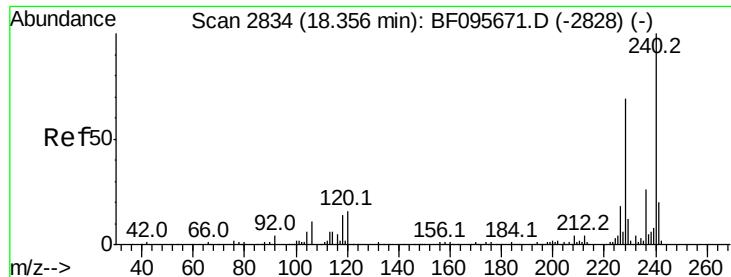


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.33 min Scan# 2847

Delta R.T. -0.02 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

Instrument :

BNA_F

ClientSampleId :

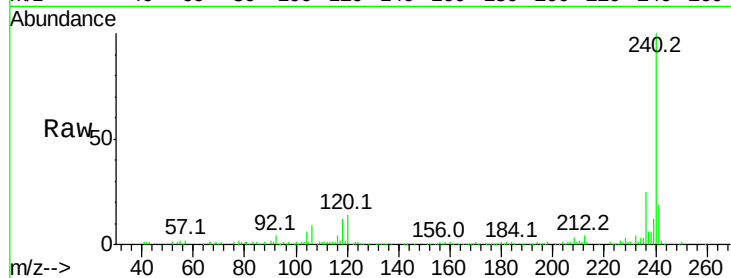
Tot Ion:240 Resp: 137571

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

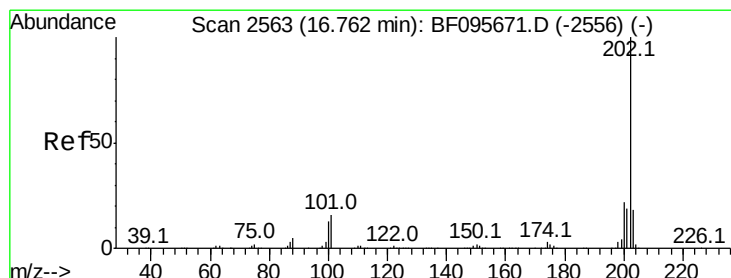
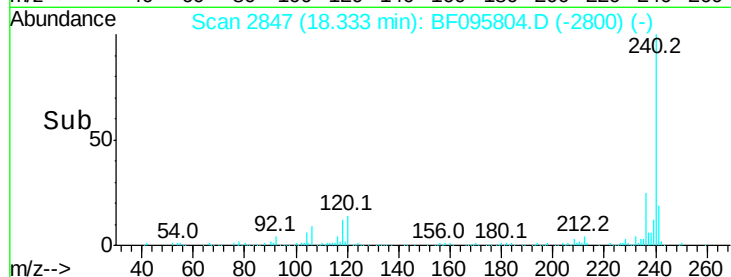
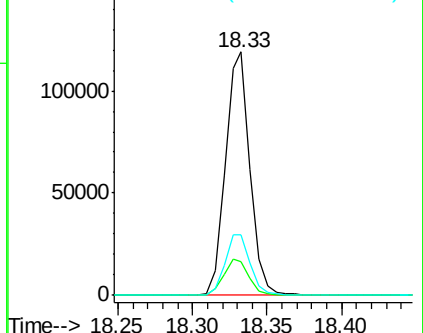
236 25.1 20.5 30.7



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

Pyrene

Concen: 4.13 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

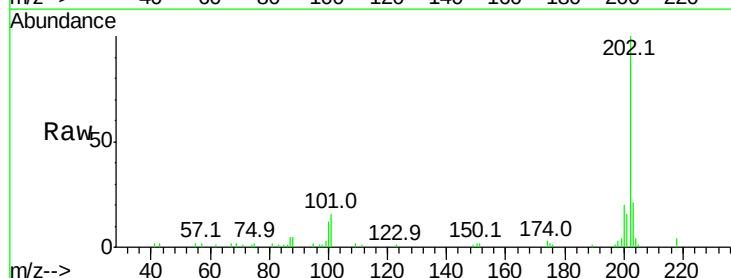
Tgt Ion:202 Resp: 42382

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

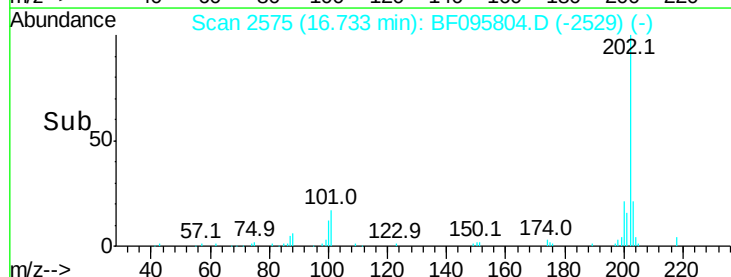
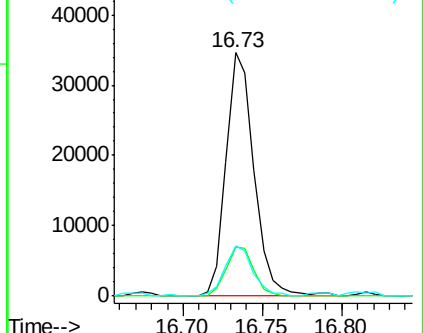
203 20.6 14.4 21.6

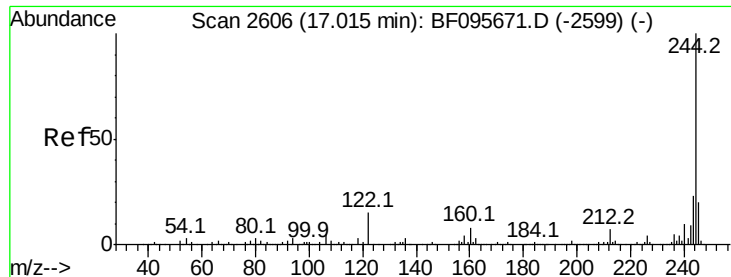


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.12 ng

RT: 16.99 min Scan# 2618

Delta R.T. -0.03 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

Instrument :

BNA_F

ClientSampleId :

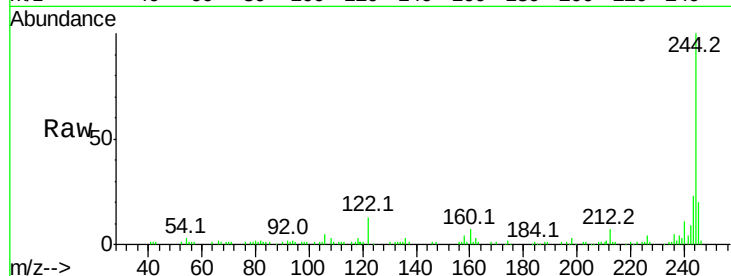
Tot Ion:244 Resp: 89348

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

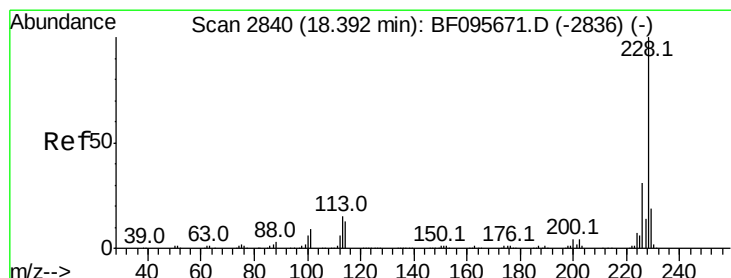
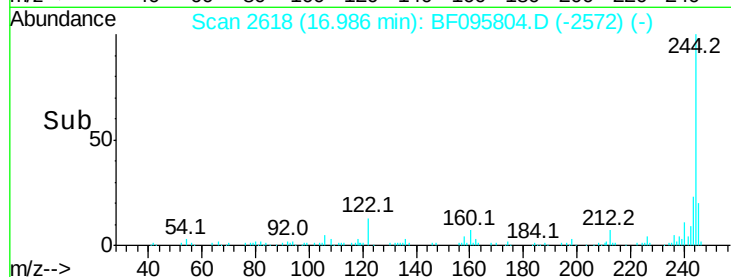
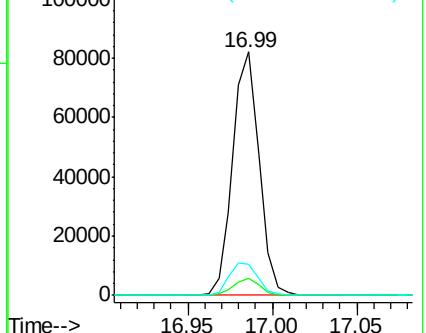
122 12.7 10.3 15.5



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



#82

Chrysene

Concen: 2.10 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

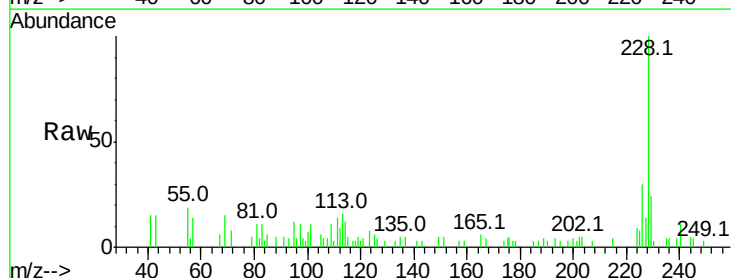
Tgt Ion:228 Resp: 16768

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

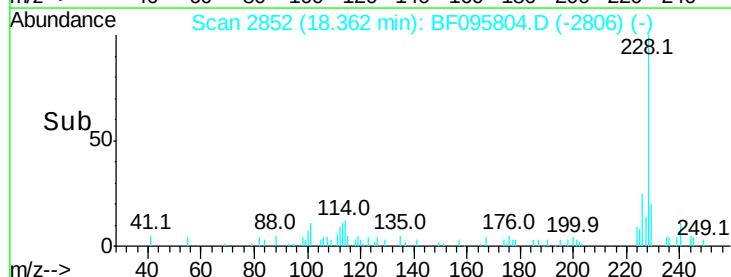
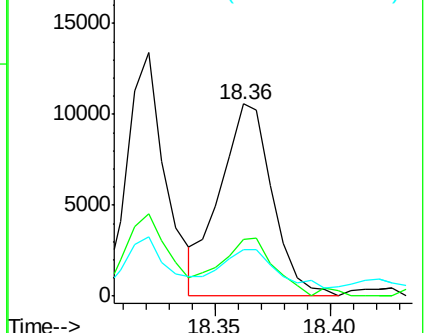
229 24.2 15.8 23.6#

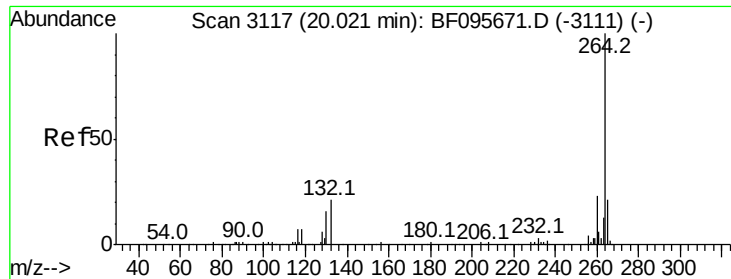


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

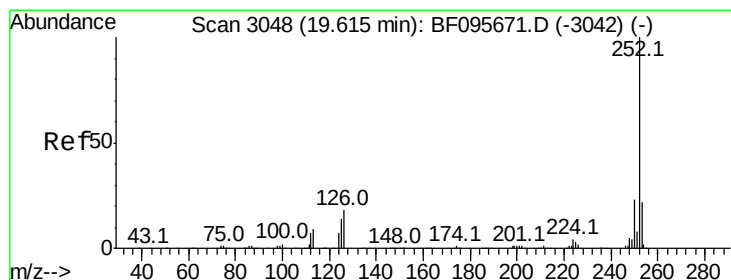
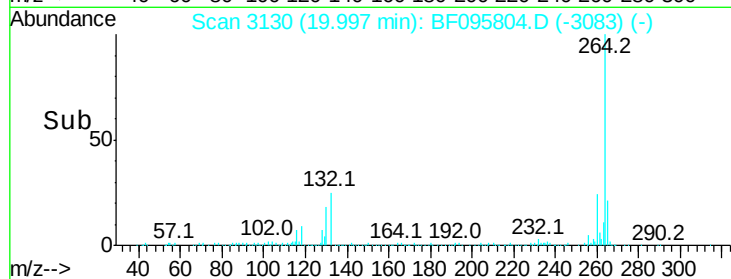
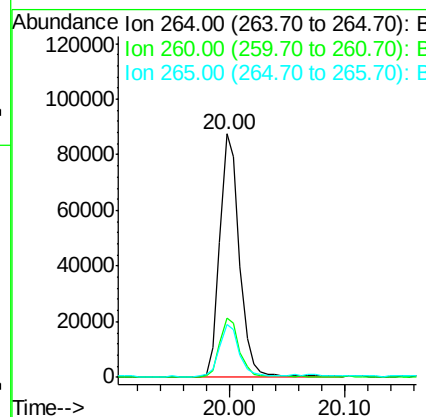
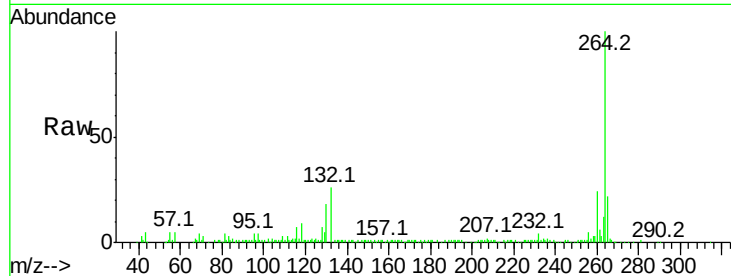




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095804.D
Acq: 9 Jun 2017 2:22

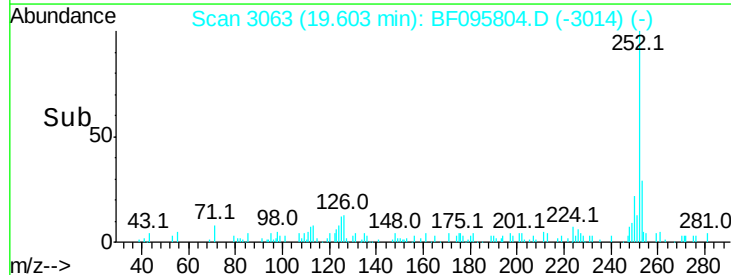
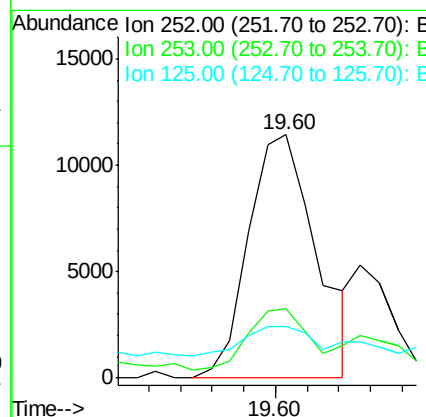
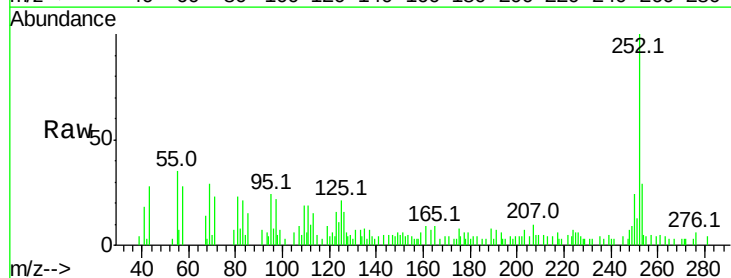
Instrument :
BNA_F
ClientSampleId :

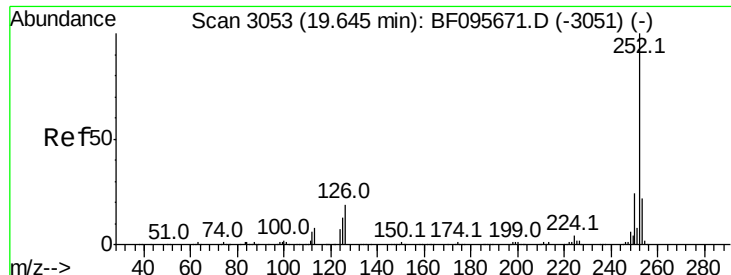
Tot Ion:264 Resp: 104256
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 21.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.60 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095804.D
Acq: 9 Jun 2017 2:22

Tgt Ion:252 Resp: 16963
Ion Ratio Lower Upper
252 100
253 28.6 18.1 27.1#
125 21.3 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.72 ng

RT: 19.60 min Scan# 3063

Delta R.T. -0.04 min

Lab File: BF095804.D

Acq: 9 Jun 2017 2:22

Instrument :

BNA_F

ClientSampleId :

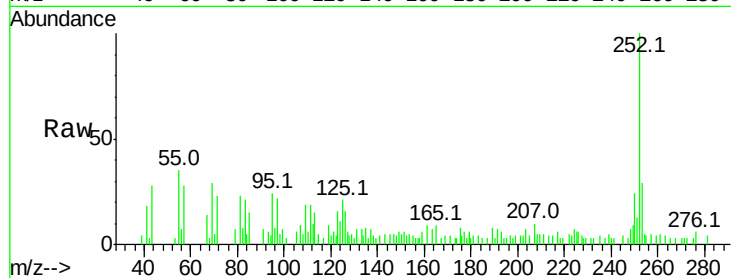
Tot Ion:252 Resp: 16963

Ion Ratio Lower Upper

252 100

253 28.6 18.4 27.6#

125 21.3 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

