

Data File : BF095821.D
Acq On : 9 Jun 2017 14:55
Operator : SJ/MA
Sample : I3457-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-16(10-14)

Quant Time: Jun 10 01:22:25 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	7.37	152	67061	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	274639	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	120493	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	192832	20.00	ng	-0.03
75) Chrysene-d12	18.34	240	138024	20.00	ng	-0.02
86) Perylene-d12	20.01	264	121504	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	511568	121.55	ng	-0.03
7) Phenol-d6	6.93	99	624854	124.02	ng	-0.03
23) Nitrobenzene-d5	8.29	82	351325	79.45	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	110554	103.70	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	641900	74.13	ng	-0.04
78) Terphenyl-d14	16.99	244	402510	72.37	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.28	70	43657	13.67	ng	# 77
49) Dimethylphthalate	11.87	163	108660	11.88	ng	99
55) 4-Nitrophenol	12.58	139	657	5.08	ng	# 25
70) Phenanthrene	14.65	178	52089	4.68	ng	96
74) Fluoranthene	16.43	202	64486	5.86	ng	99
77) Pyrene	16.74	202	62112	6.03	ng	96
80) Benzo(a)anthracene	18.33	228	24884	3.10	ng	# 94
82) Chrysene	18.37	228	23863	2.98	ng	# 92
87) Benzo(b)fluoranthene	19.61	252	36392	4.78	ng	# 59
88) Benzo(k)fluoranthene	19.61	252	36392	5.00	ng	# 61
89) Benzo(a)pyrene	19.96	252	20566	2.94	ng	# 52

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

Data File : BF095821.D

Acq On : 9 Jun 2017 14:55

Operator : SJ/MA

Sample : I3457-17

Misc :

ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

B-16(10-14)

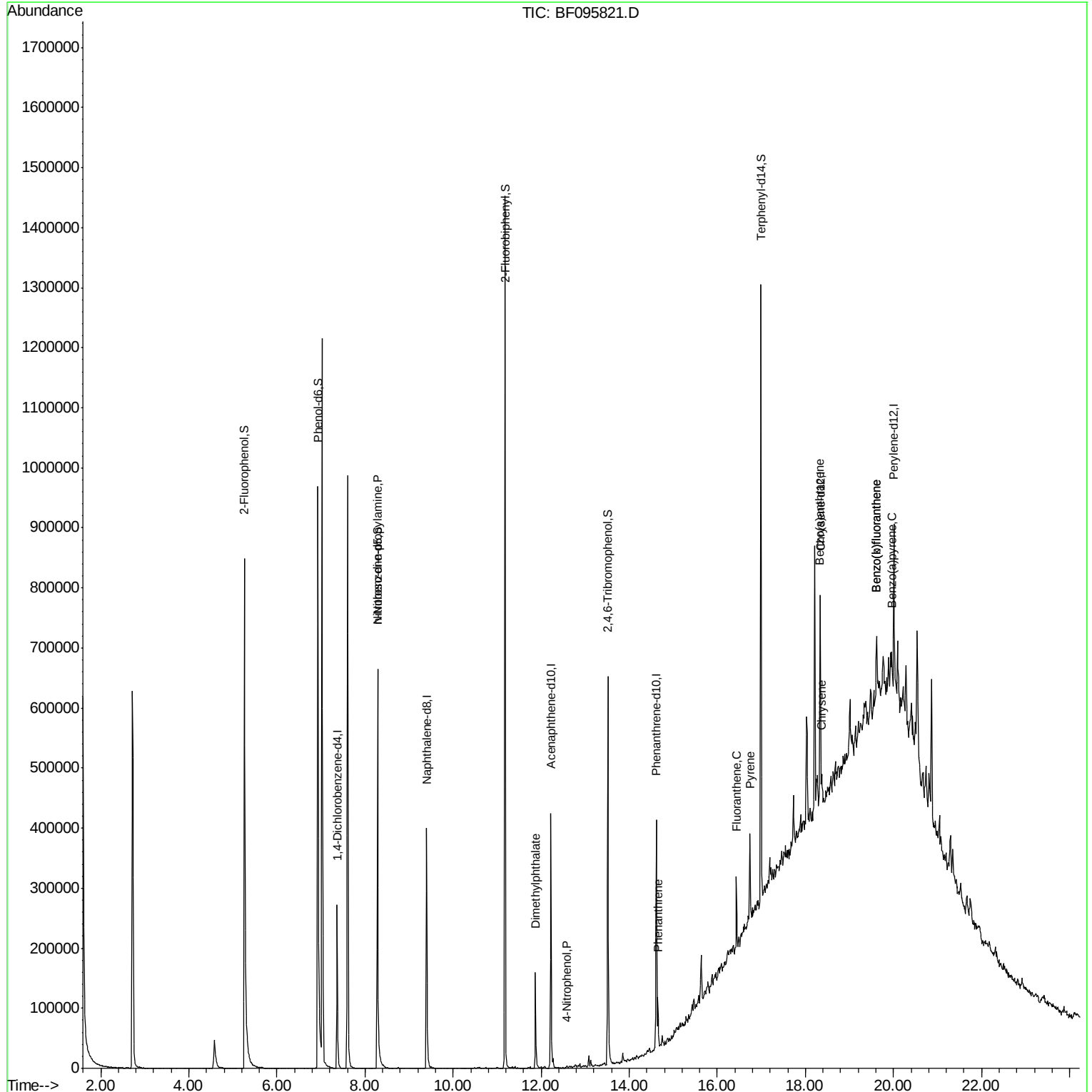
Quant Time: Jun 10 01:22:25 2017

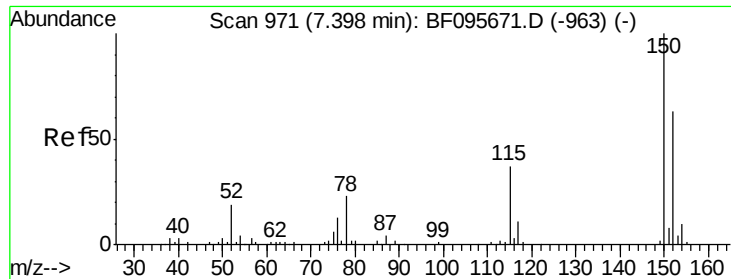
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 05 16:15:31 2017

Response via : Initial Calibration



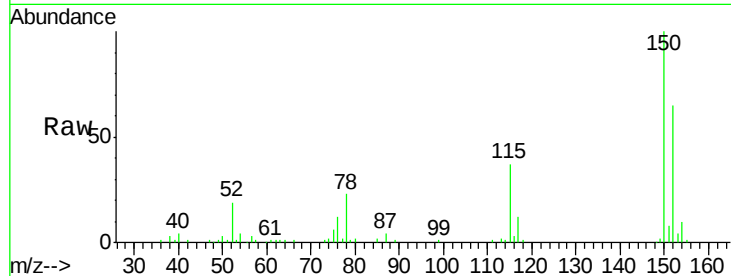


#1

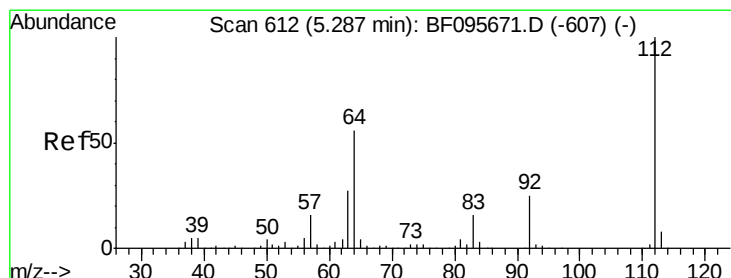
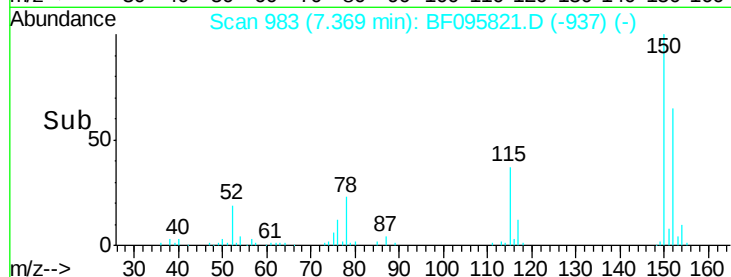
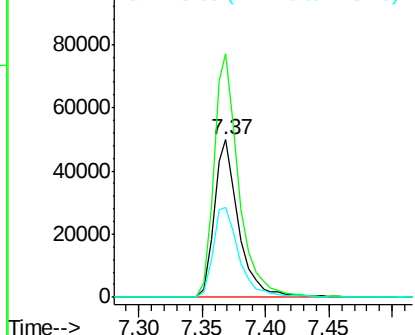
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095821.D
Acq: 9 Jun 2017 14:55

Instrument :
BNA_F
ClientSampleId :
B-16(10-14)

Tgt Ion:152 Resp: 67061
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.2
115 57.0 52.2 78.2



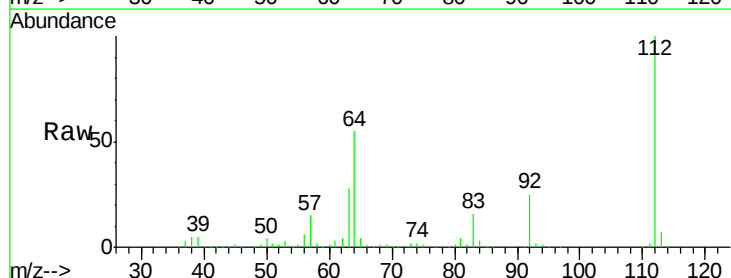
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



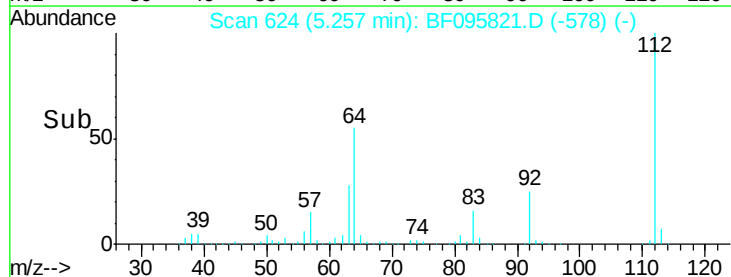
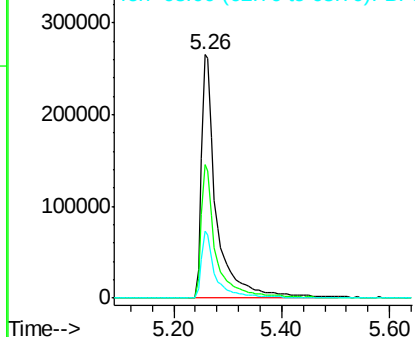
#5

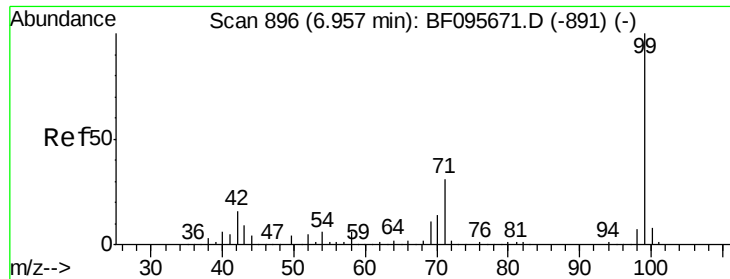
2-Fluorophenol
Concen: 121.55 ng
RT: 5.26 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF095821.D
Acq: 9 Jun 2017 14:55

Tgt Ion:112 Resp: 511568
Ion Ratio Lower Upper
112 100
64 54.6 46.0 69.0
63 27.6 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: 124.02 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

Instrument :

BNA_F

ClientSampleId :

B-16(10-14)

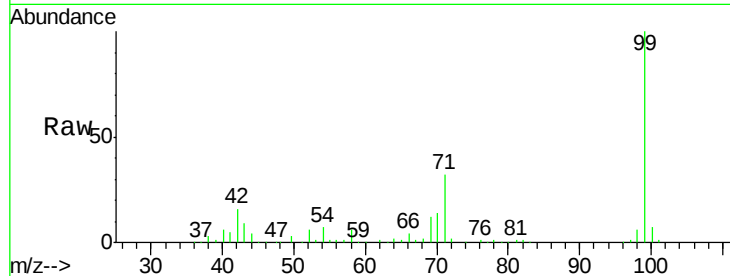
Tgt Ion: 99 Resp: 624854

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

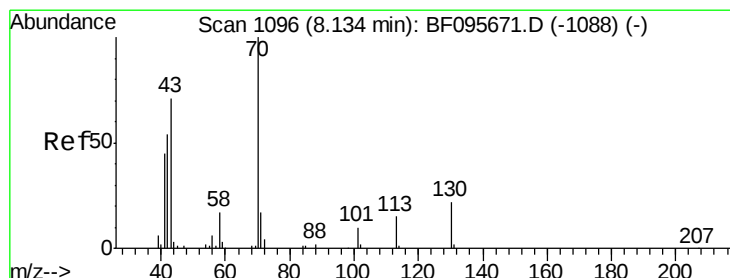
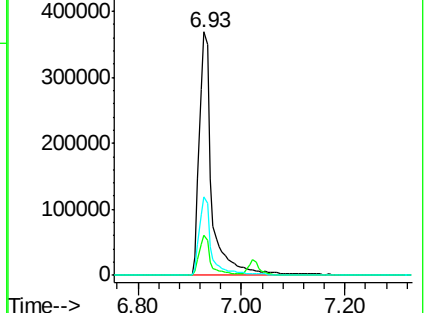
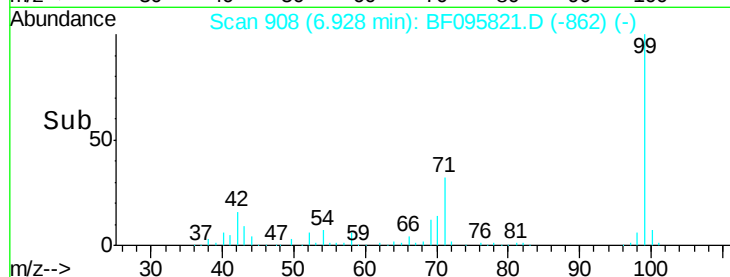
71 32.1 24.5 36.7



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: 13.67 ng

RT: 8.28 min Scan# 1138

Delta R.T. 0.15 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

Tgt Ion: 70 Resp: 43657

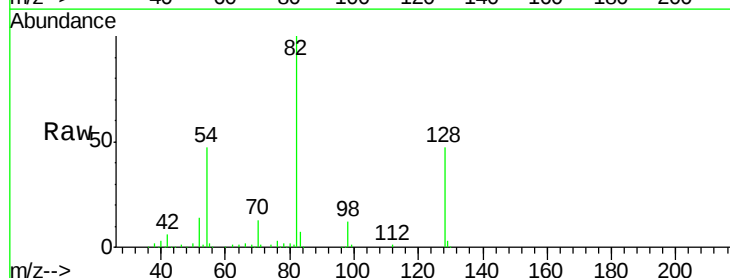
Ion Ratio Lower Upper

70 100

42 45.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

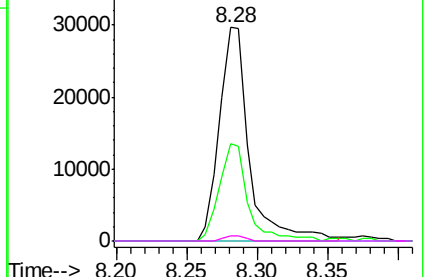
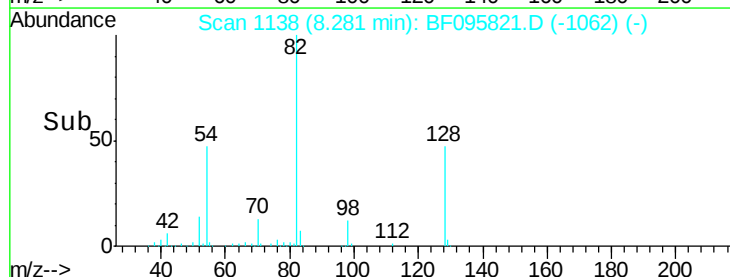


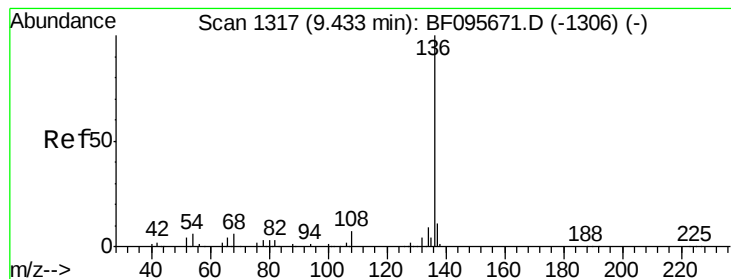
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

Instrument :

BNA_F

ClientSampleId :

B-16(10-14)

Tgt Ion:136 Resp: 274639

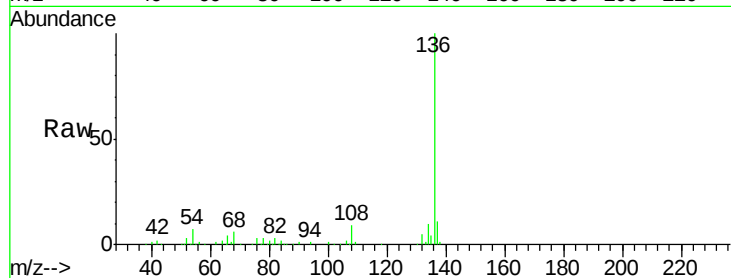
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.0 4.9 7.3

68 5.9 4.1 6.1

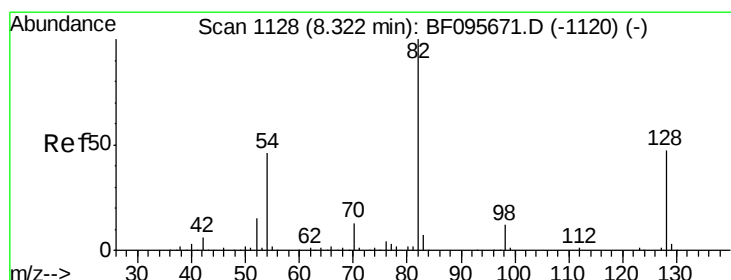
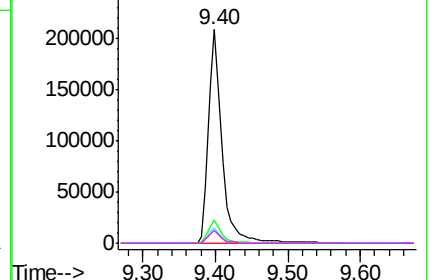
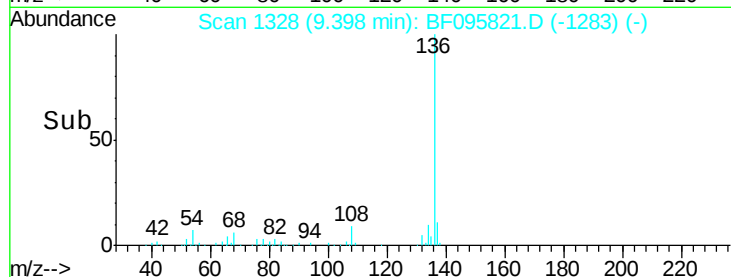


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.45 ng

RT: 8.29 min Scan# 1139

Delta R.T. -0.04 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

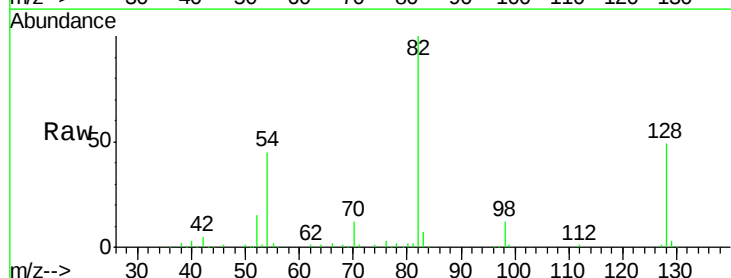
Tgt Ion: 82 Resp: 351325

Ion Ratio Lower Upper

82 100

128 48.9 34.0 51.0

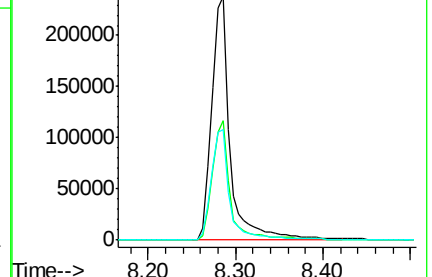
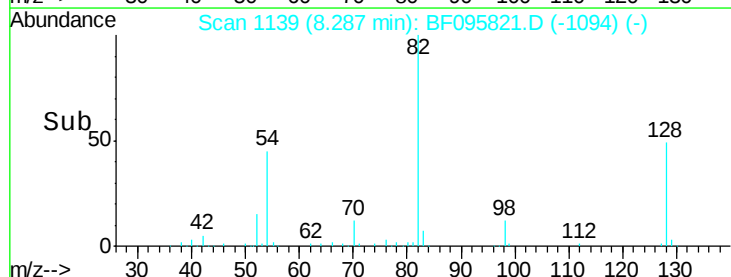
54 45.3 42.2 63.2

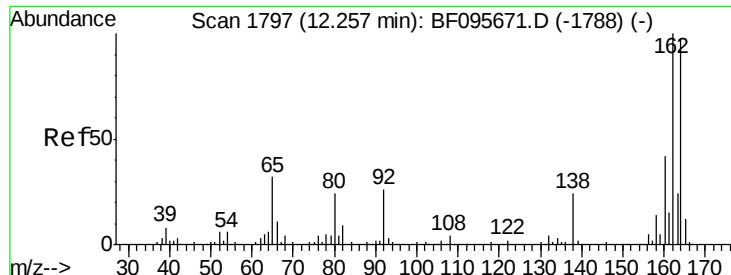


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF095821.D

Acq: 9 Jun 2017 14:55

Instrument :

BNA_F

ClientSampleId :

B-16(10-14)

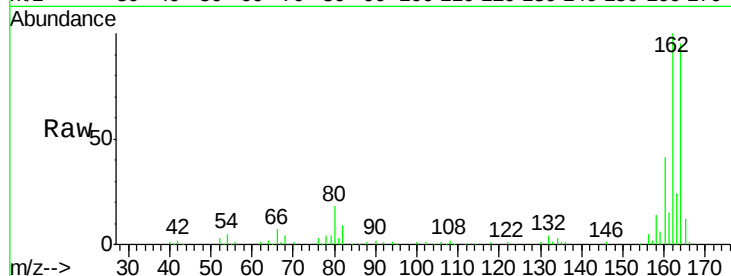
Tgt Ion:164 Resp: 120493

Ion Ratio Lower Upper

164 100

162 105.4 82.6 123.8

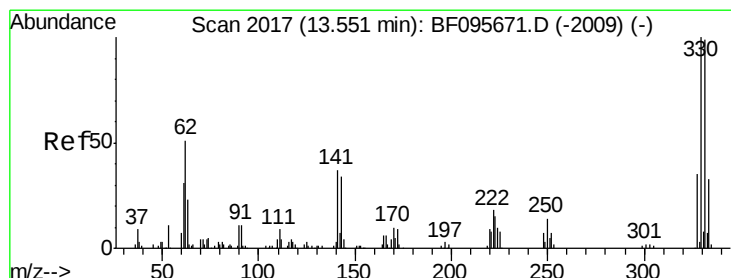
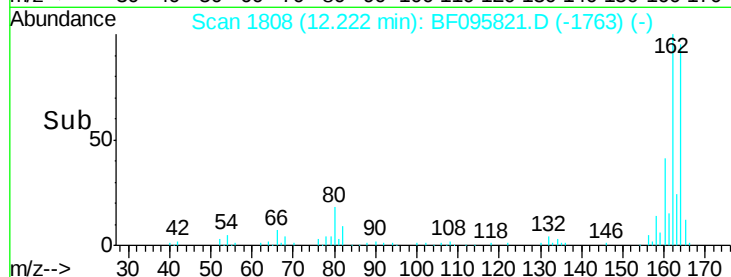
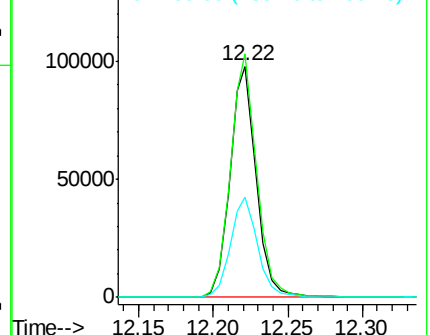
160 43.3 36.2 54.2



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: 103.70 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

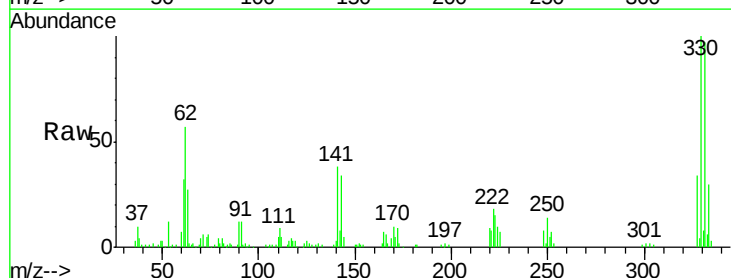
Tgt Ion:330 Resp: 110554

Ion Ratio Lower Upper

330 100

332 97.0 76.6 115.0

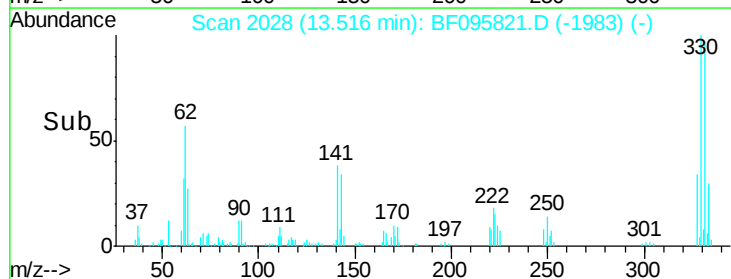
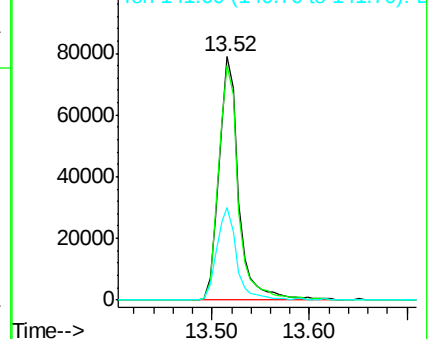
141 38.0 31.4 47.2

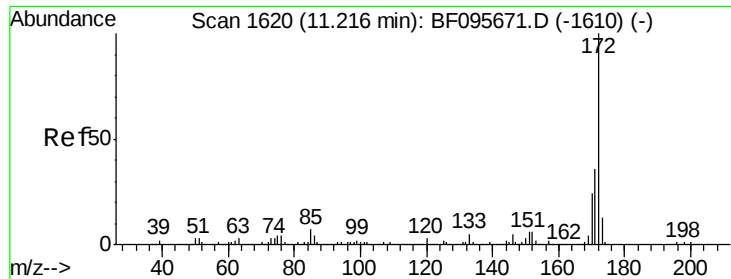


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

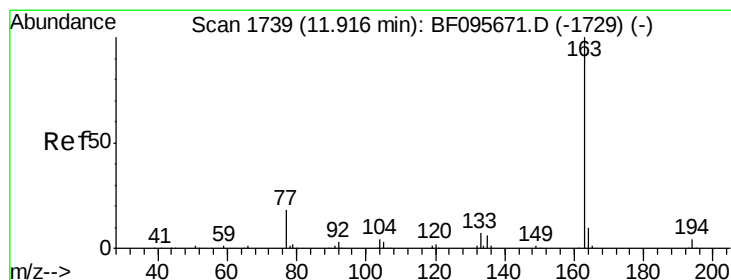
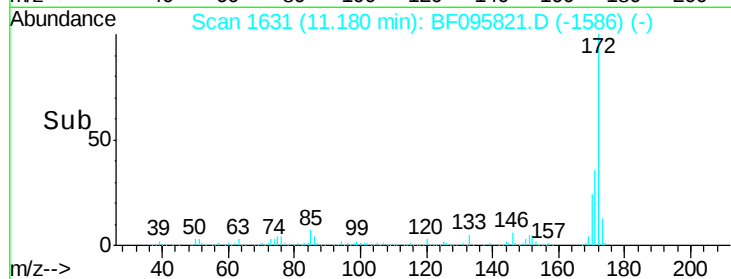
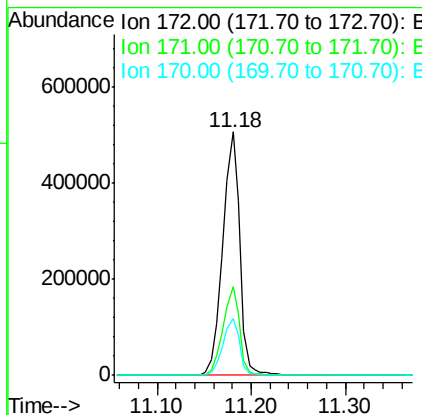
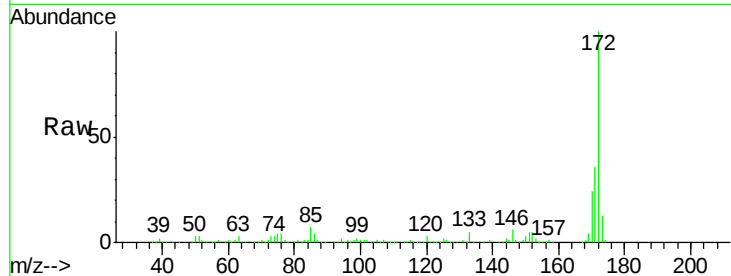




#44
2-Fluorobiphenyl
Concen: 74.13 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.04 min
Lab File: BF095821.D
Acq: 9 Jun 2017 14:55

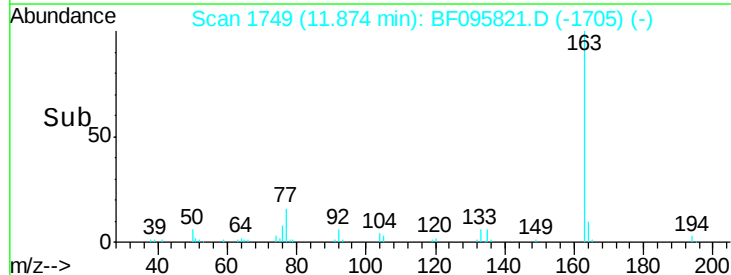
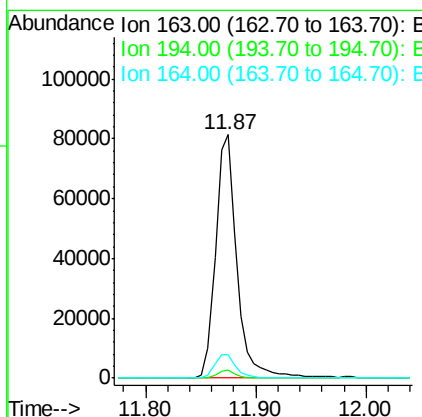
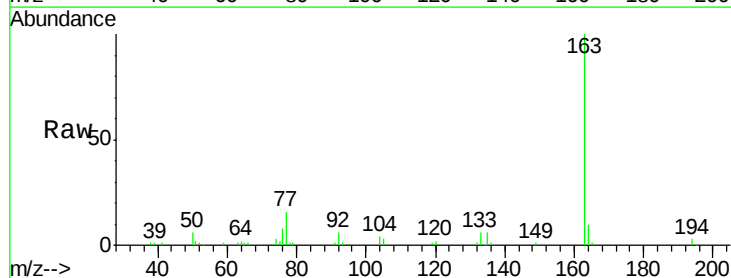
Instrument :
BNA_F
ClientSampleId :
B-16(10-14)

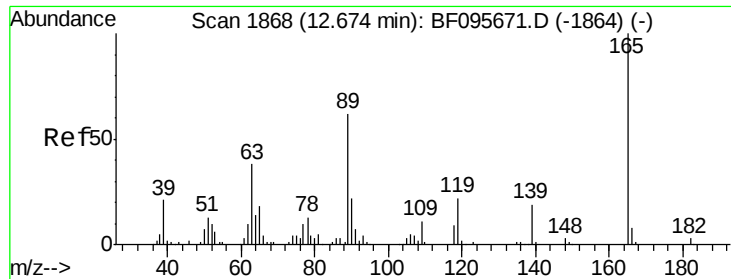
Tgt Ion:172 Resp: 641900
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.6 19.8 29.8



#49
Dimethylphthalate
Concen: 11.88 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095821.D
Acq: 9 Jun 2017 14:55

Tgt Ion:163 Resp: 108660
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 9.9 8.4 12.6

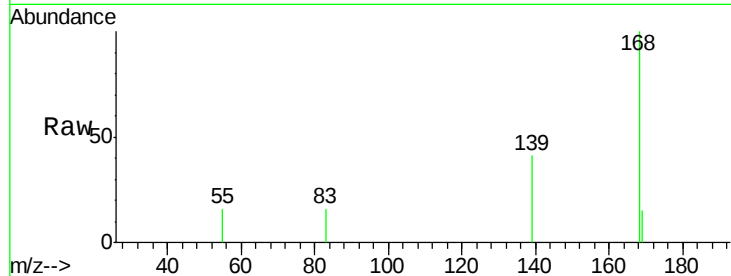




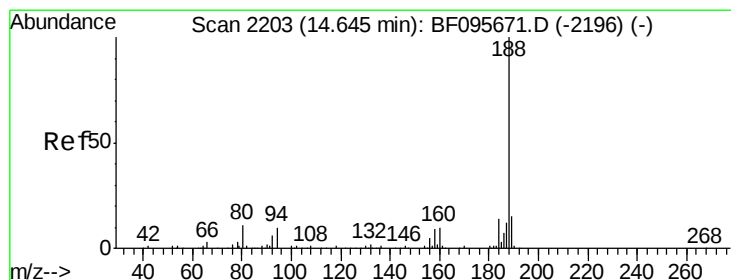
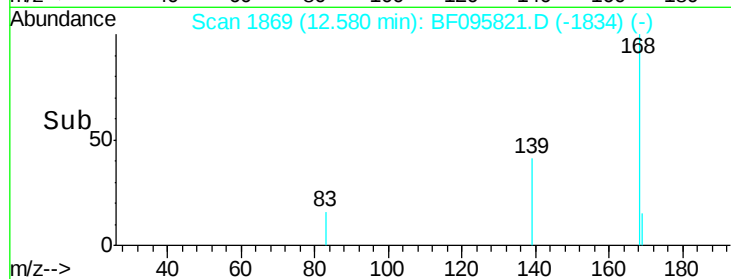
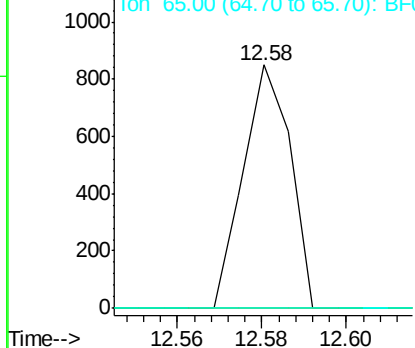
#55
4-Nitrophenol
Concen: 5.08 ng
RT: 12.58 min Scan# 1869
Delta R.T. -0.09 min
Lab File: BF095821.D
Acq: 9 Jun 2017 14:55

Instrument :
BNA_F
ClientSampleId :
B-16(10-14)

Tgt Ion:139 Resp: 657
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

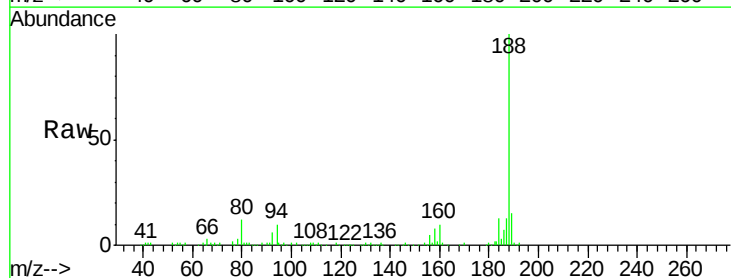


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

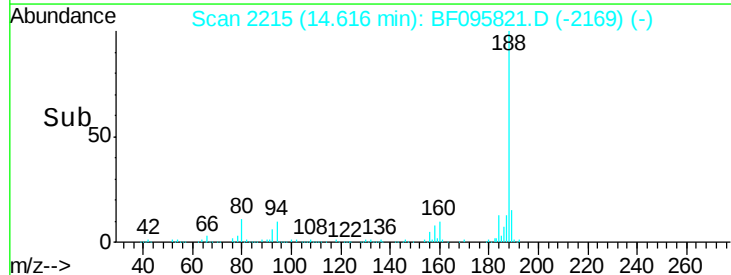
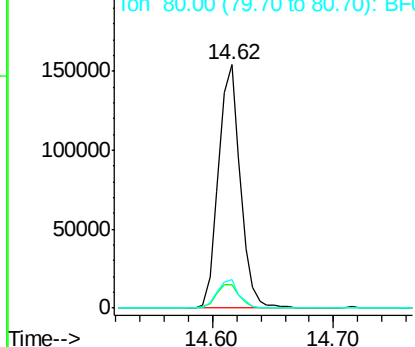


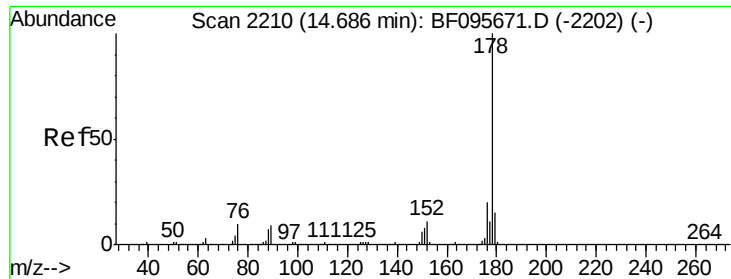
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095821.D
Acq: 9 Jun 2017 14:55

Tgt Ion:188 Resp: 192832
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 11.6 10.2 15.2



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





#70

Phenanthrene

Concen: 4.68 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.04 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

Instrument :

BNA_F

ClientSampleId :

B-16(10-14)

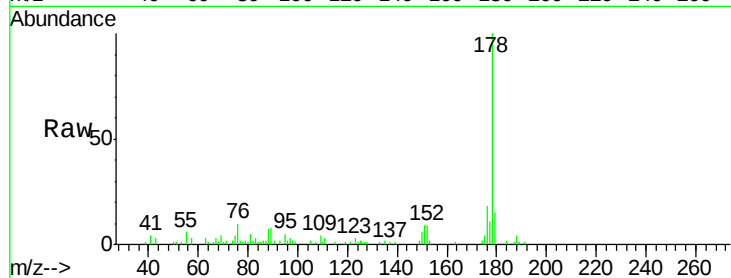
Tgt Ion:178 Resp: 52089

Ion Ratio Lower Upper

178 100

176 17.9 16.2 24.4

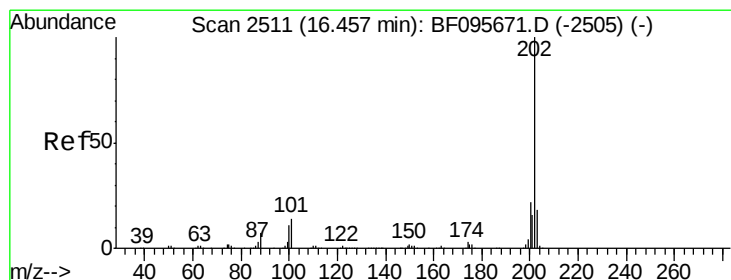
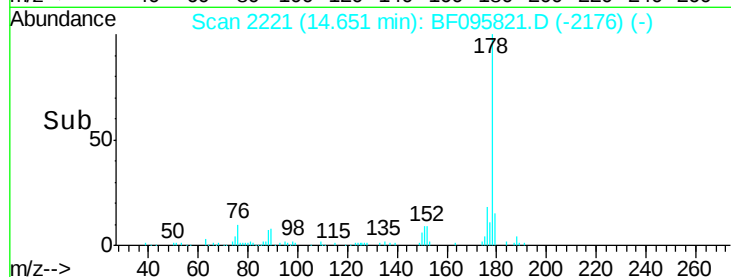
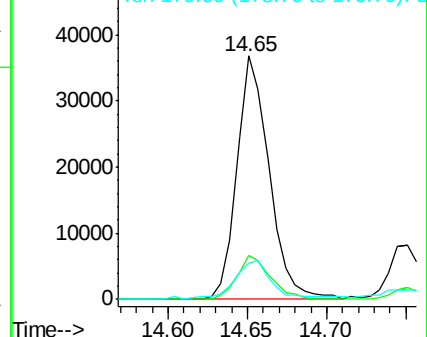
179 14.9 12.6 19.0



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: 5.86 ng

RT: 16.43 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

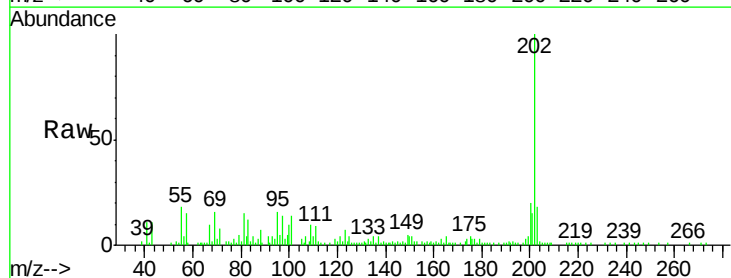
Tgt Ion:202 Resp: 64486

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

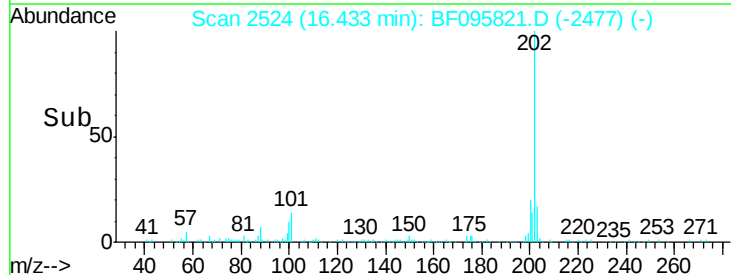
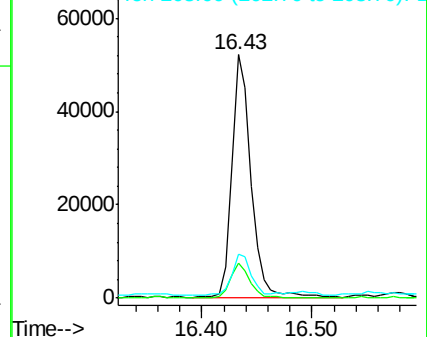
203 18.1 0.0 38.1

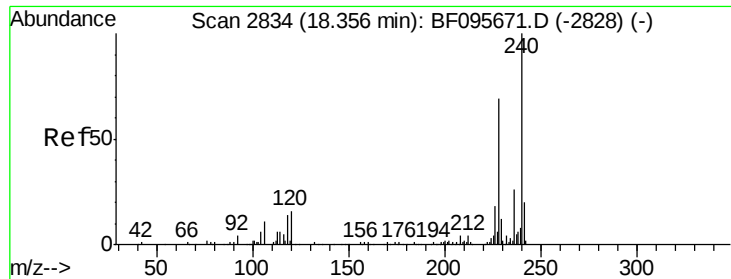


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.34 min Scan# 2848

Delta R.T. -0.02 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

Instrument :

BNA_F

ClientSampleId :

B-16(10-14)

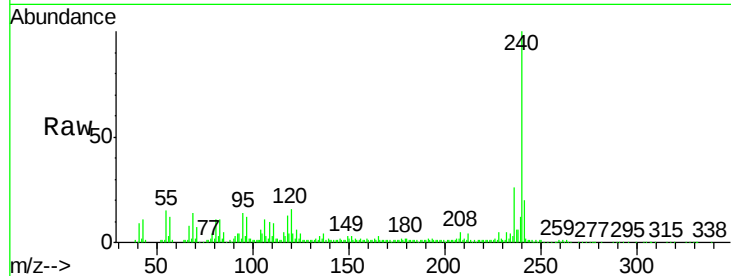
Tgt Ion:240 Resp: 138024

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

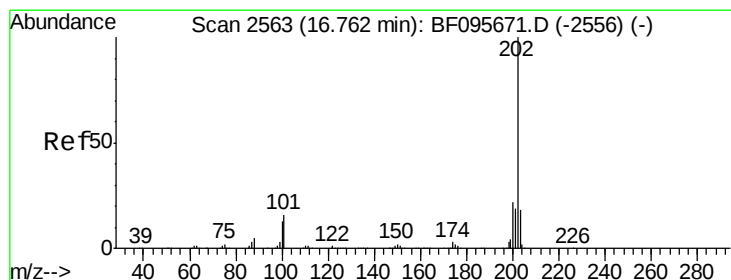
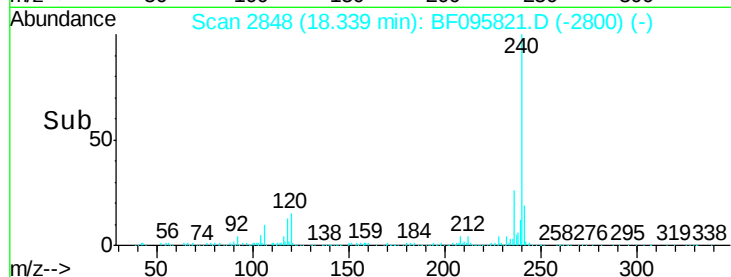
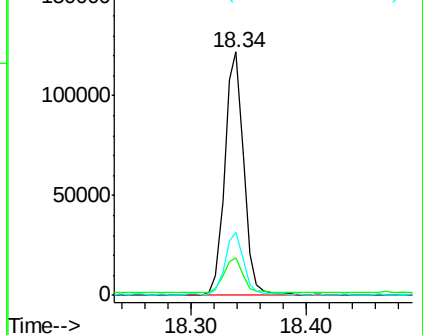
236 25.9 20.5 30.7



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: 6.03 ng

RT: 16.74 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

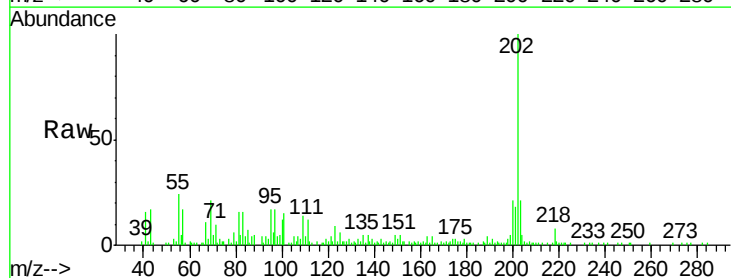
Tgt Ion:202 Resp: 62112

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

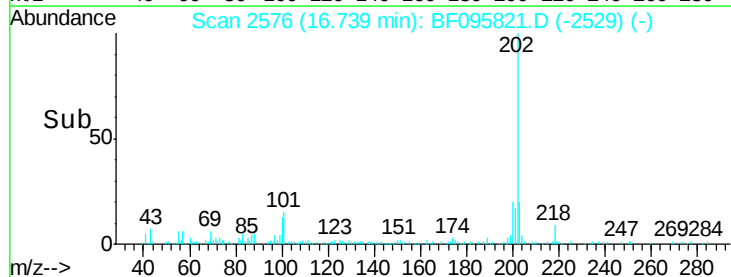
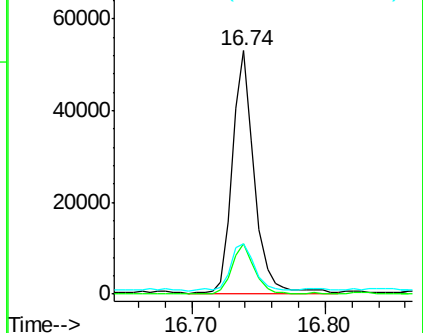
203 20.9 14.4 21.6

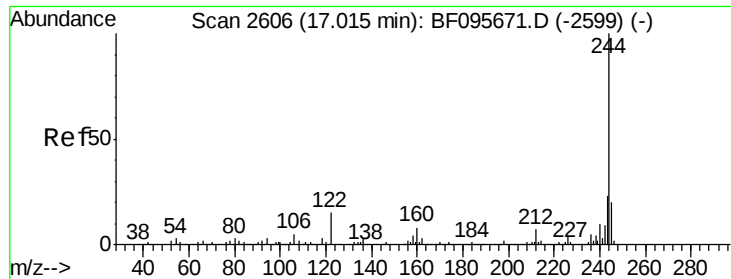


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.37 ng

RT: 16.99 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

Instrument :

BNA_F

ClientSampleId :

B-16(10-14)

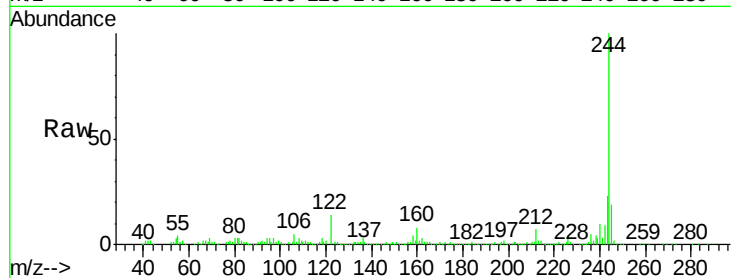
Tgt Ion:244 Resp: 402510

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

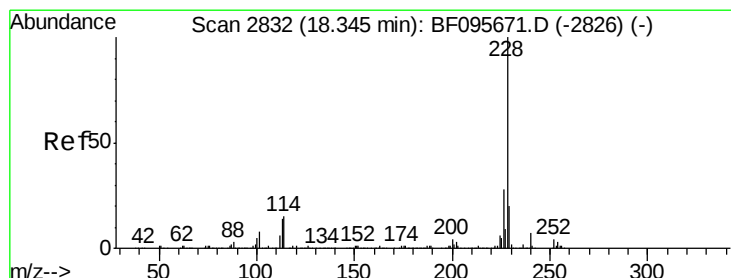
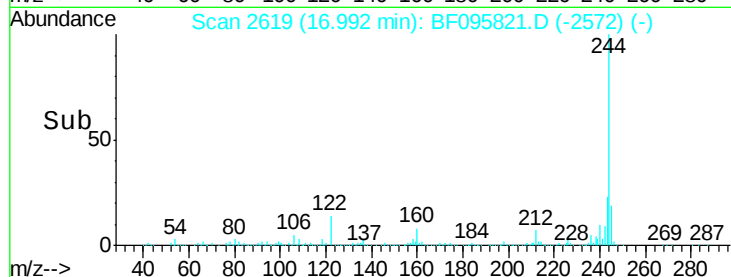
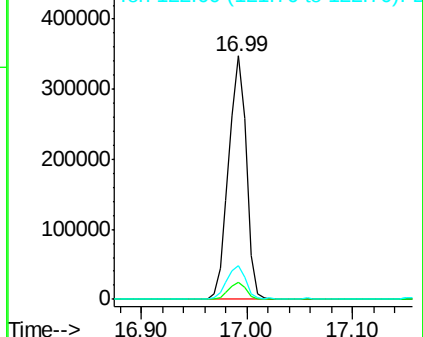
122 14.0 10.3 15.5



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: 3.10 ng

RT: 18.33 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

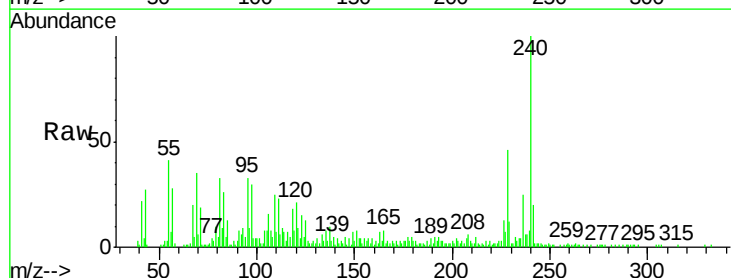
Tgt Ion:228 Resp: 24884

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

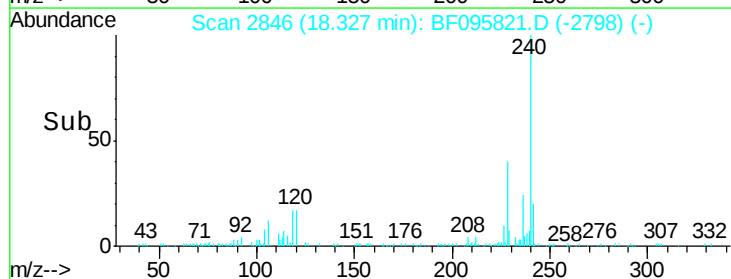
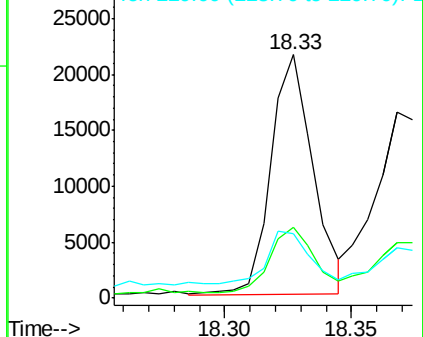
229 26.3 16.3 24.5#

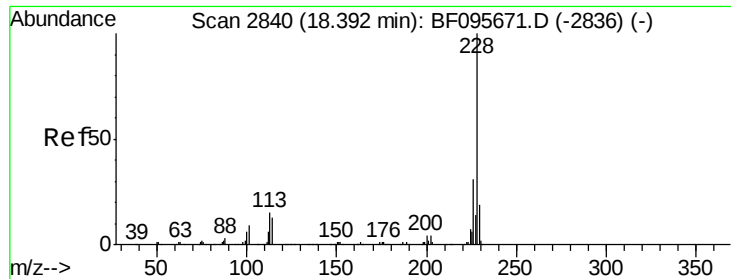


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.98 ng

RT: 18.37 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

Instrument :

BNA_F

ClientSampleId :

B-16(10-14)

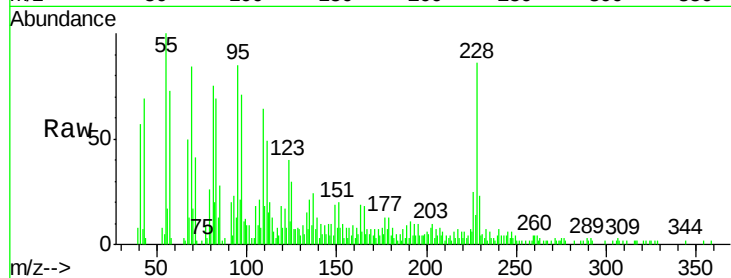
Tgt Ion:228 Resp: 23863

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

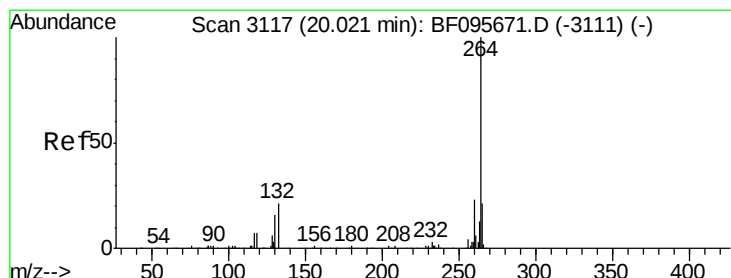
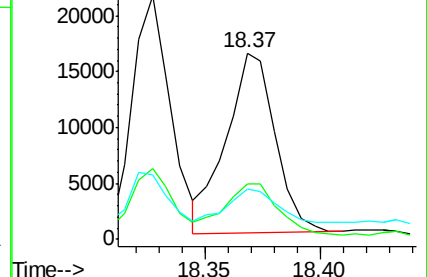
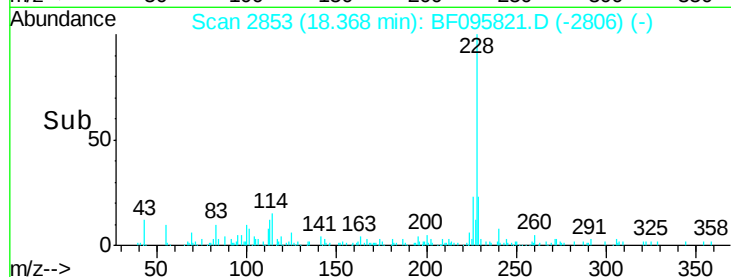
229 26.8 15.8 23.6#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.01 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

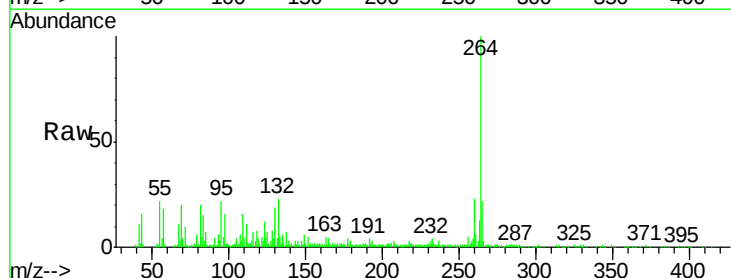
Tgt Ion:264 Resp: 121504

Ion Ratio Lower Upper

264 100

260 22.8 19.5 29.3

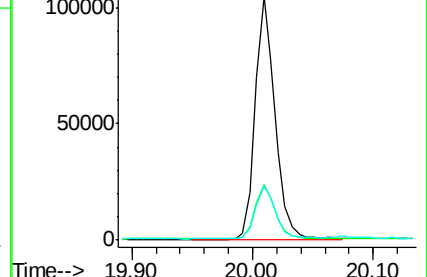
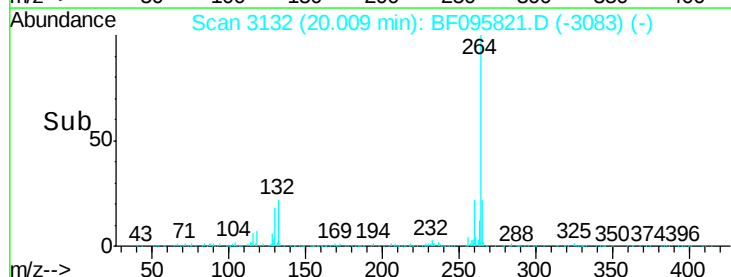
265 22.2 17.2 25.8

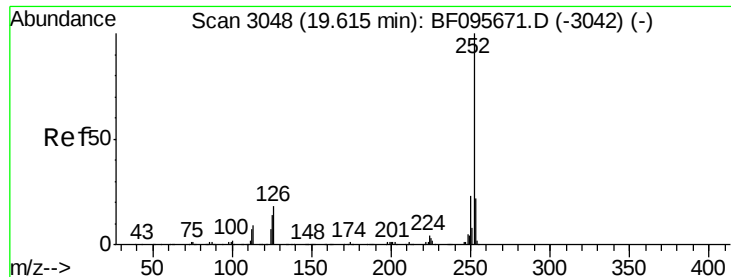


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.78 ng

RT: 19.61 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

Instrument :

BNA_F

ClientSampleId :

B-16(10-14)

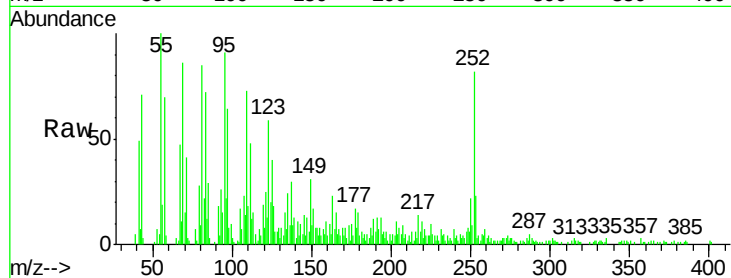
Tgt Ion:252 Resp: 36392

Ion Ratio Lower Upper

252 100

253 28.6 18.1 27.1#

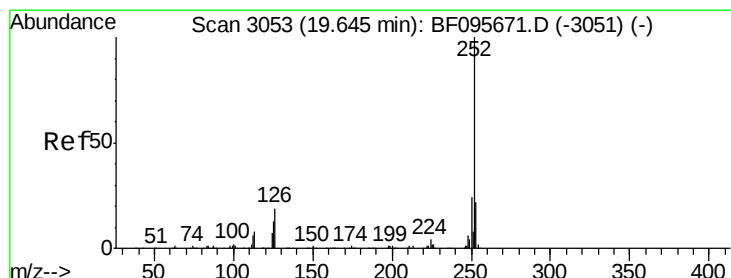
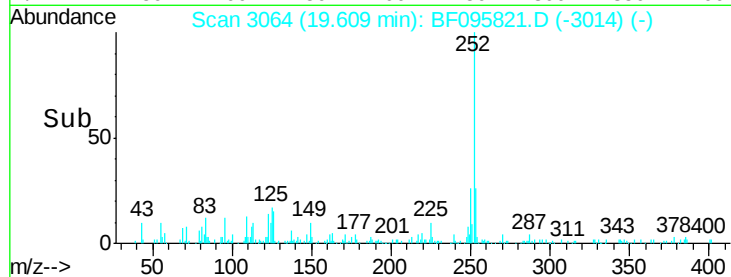
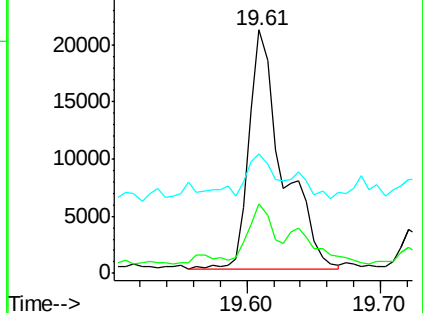
125 49.2 9.8 14.8#



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: 5.00 ng

RT: 19.61 min Scan# 3064

Delta R.T. -0.04 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

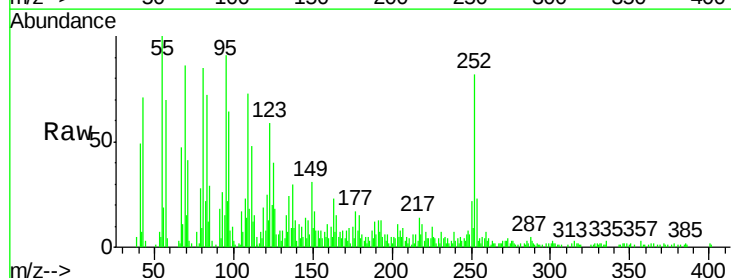
Tgt Ion:252 Resp: 36392

Ion Ratio Lower Upper

252 100

253 28.6 18.4 27.6#

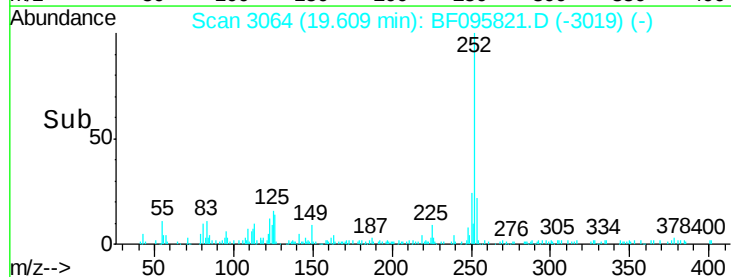
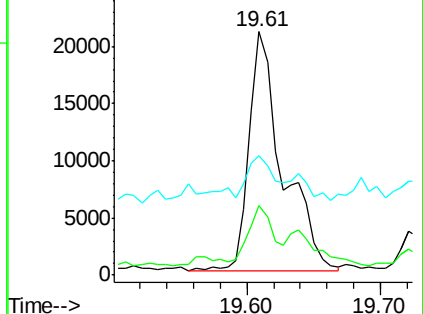
125 49.2 13.1 19.7#

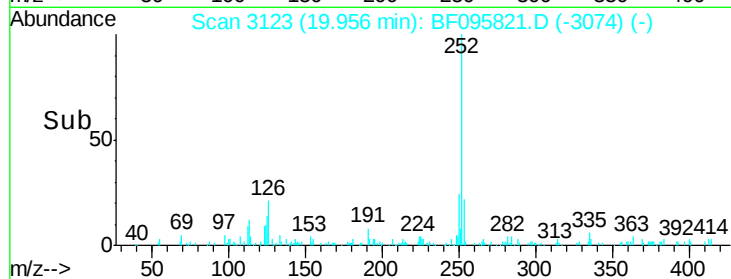
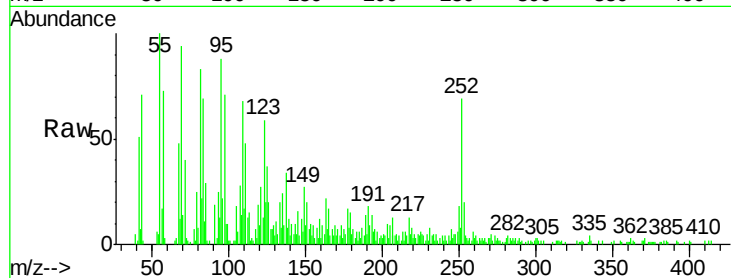
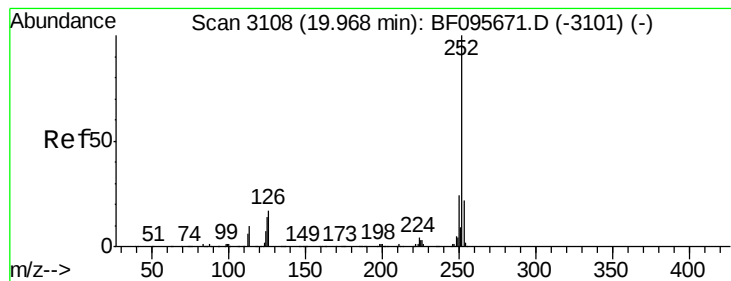


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.94 ng

RT: 19.96 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BF095821.D

Acq: 9 Jun 2017 14:55

Instrument :

BNA_F

ClientSampleId :

B-16(10-14)

Tgt Ion:252 Resp: 20566

Ion Ratio Lower Upper

252 100

253 29.5 17.5 26.3#

125 54.1 11.0 16.4#

