

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095663.D
 Acq On : 3 Jun 2017 8:05
 Operator : SJ/MA
 Sample : I3415-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 05 05:02:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

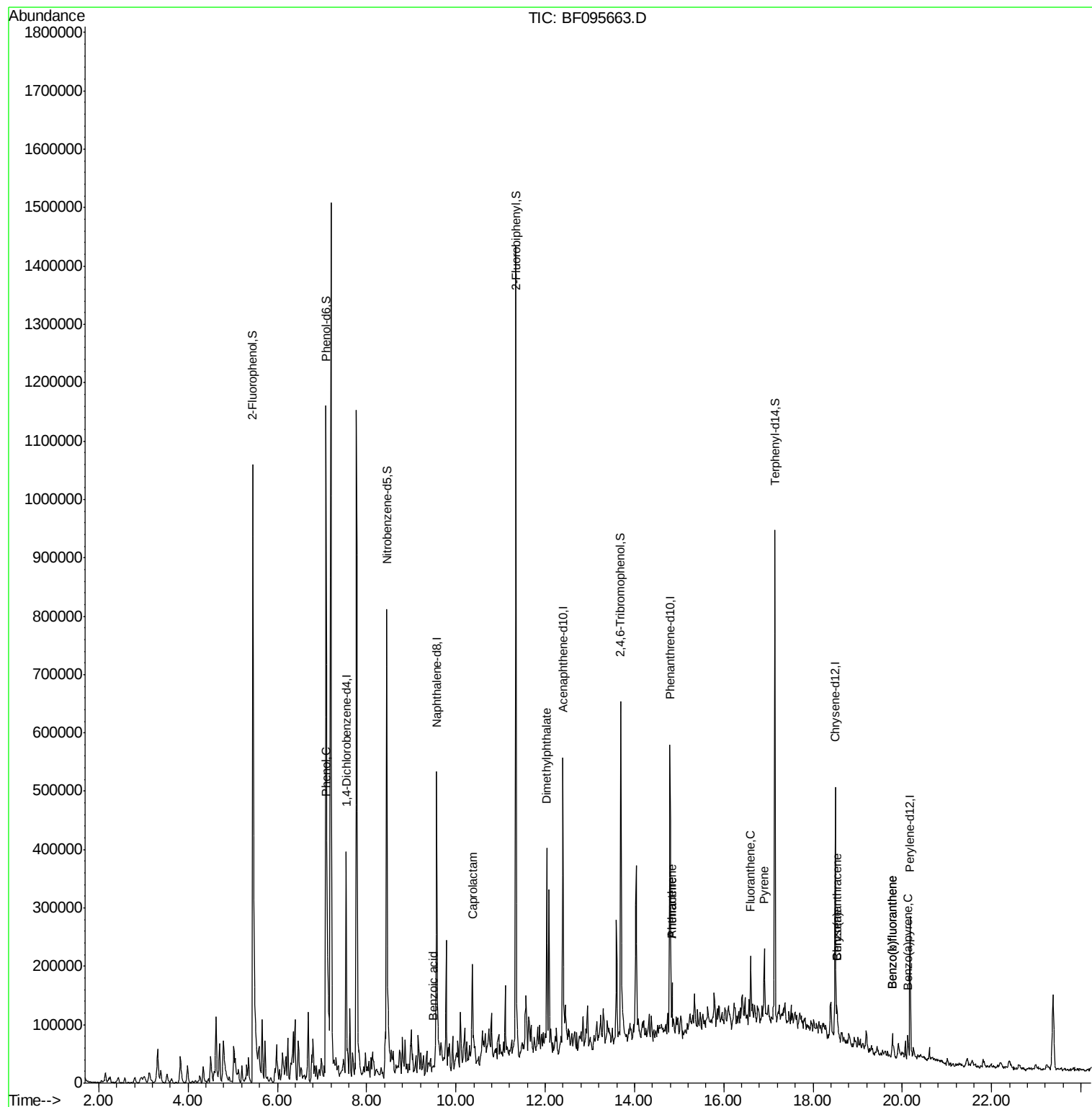
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	87973	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	343314	20.00	ng	0.00
38) Acenaphthene-d10	12.40	164	139530	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	197019	20.00	ng	0.00
75) Chrysene-d12	18.50	240	165800	20.00	ng	0.00
86) Perylene-d12	20.17	264	110969	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	658073	124.71	ng	0.00
7) Phenol-d6	7.09	99	779051	123.05	ng	0.00
23) Nitrobenzene-d5	8.45	82	419690	77.09	ng	-0.01
41) 2,4,6-Tribromophenol	13.70	330	106139	92.88	ng	0.00
44) 2-Fluorobiphenyl	11.34	172	560241	57.79	ng	0.00
78) Terphenyl-d14	17.14	244	293849	39.04	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.11	94	44996	6.74	ng	85
32) Benzoic acid	9.50	122	281	5.16	ng	93
35) Caprolactam	10.37	113	6628	4.70	ng	# 75
49) Dimethylphthalate	12.03	163	163588	14.28	ng	98
70) Phenanthrene	14.84	178	45548	4.02	ng	98
71) Anthracene	14.84	178	45548	3.94	ng	98
74) Fluoranthene	16.60	202	55111	4.75	ng	98
77) Pyrene	16.91	202	48544	3.91	ng	# 93
80) Benzo(a)anthracene	18.53	228	26432	2.74	ng	97
82) Chrysene	18.53	228	26432	2.83	ng	98
87) Benzo(b)fluoranthene	19.77	252	30954	4.51	ng	# 91
88) Benzo(k)fluoranthene	19.77	252	30954	4.68	ng	# 95
89) Benzo(a)pyrene	20.12	252	16826	2.66	ng	# 90

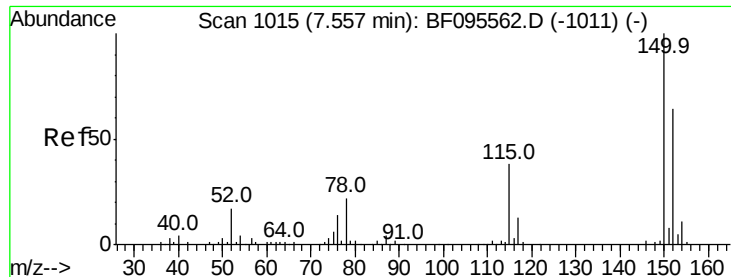
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.54 min Scan# 995

Delta R.T. -0.00 min

Lab File: BF095663.D

Acq: 3 Jun 2017 8:05

Instrument :

BNA_F

ClientSampled :

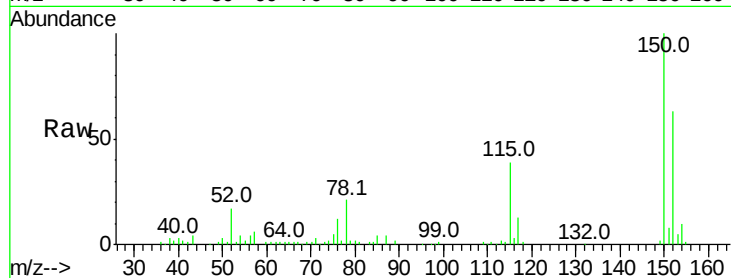
Tot Ion:152 Resp: 87973

Ion Ratio Lower Upper

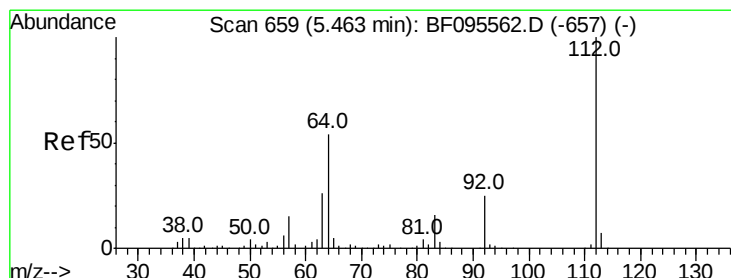
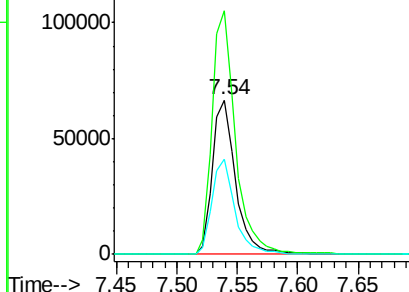
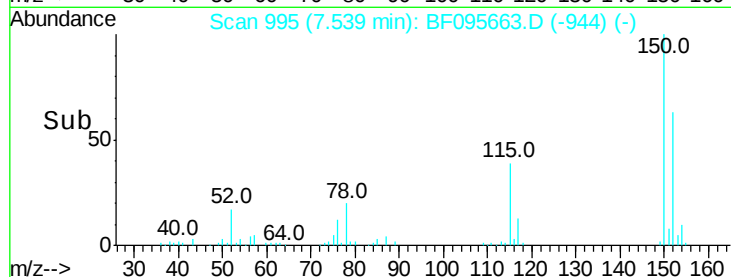
152 100

150 157.6 126.2 189.2

115 61.3 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: 124.71 ng

RT: 5.45 min Scan# 640

Delta R.T. 0.01 min

Lab File: BF095663.D

Acq: 3 Jun 2017 8:05

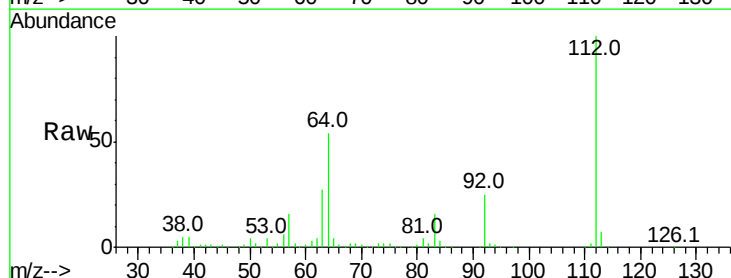
Tgt Ion:112 Resp: 658073

Ion Ratio Lower Upper

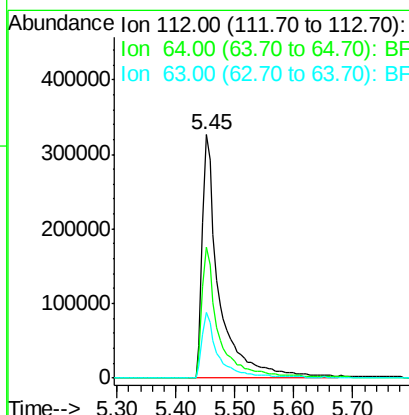
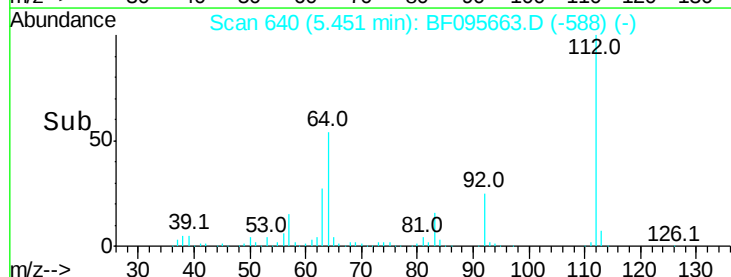
112 100

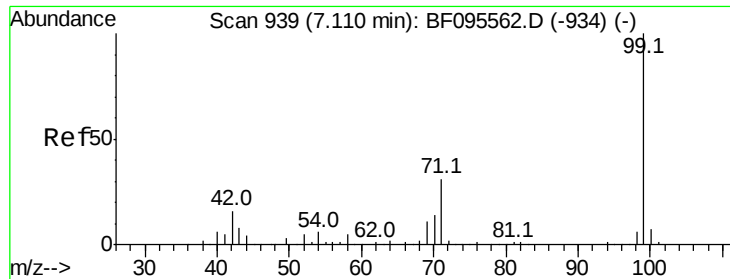
64 53.7 46.0 69.0

63 27.0 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: 123.05 ng

RT: 7.09 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF095663.D

Acq: 3 Jun 2017 8:05

Instrument :

BNA_F

ClientSampled :

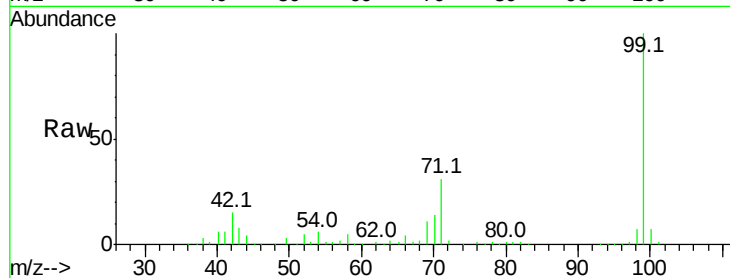
Tot Ion: 99 Resp: 779051

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

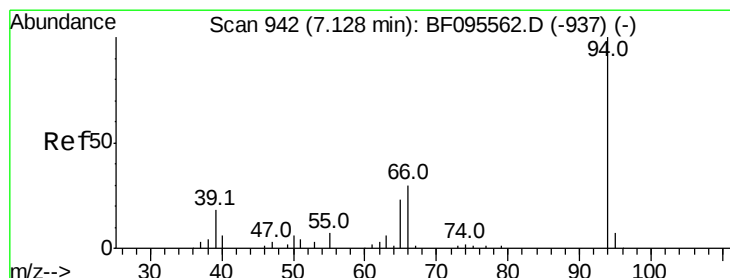
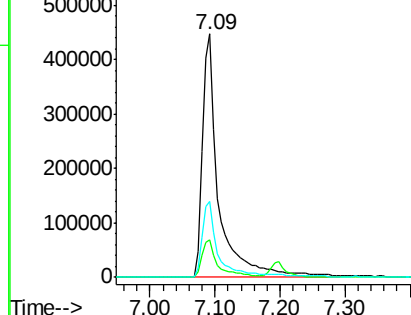
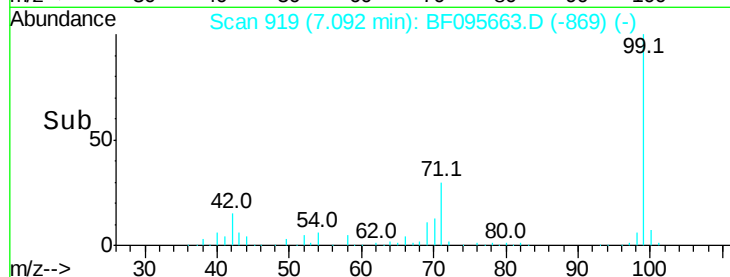
71 31.2 24.5 36.7



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



#10

Phenol

Concen: 6.74 ng

RT: 7.11 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF095663.D

Acq: 3 Jun 2017 8:05

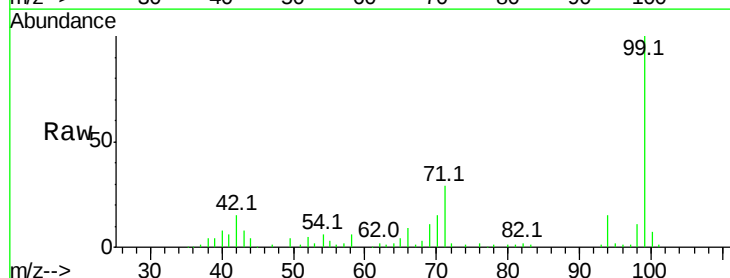
Tgt Ion: 94 Resp: 44996

Ion Ratio Lower Upper

94 100

65 29.0 9.9 49.9

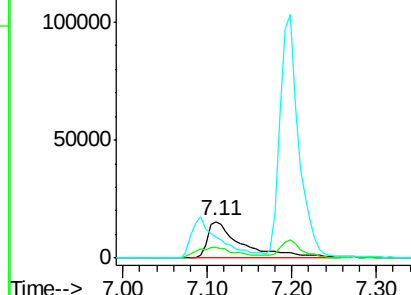
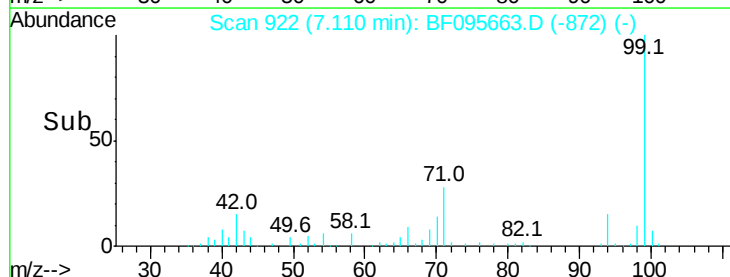
66 58.7 23.1 63.1

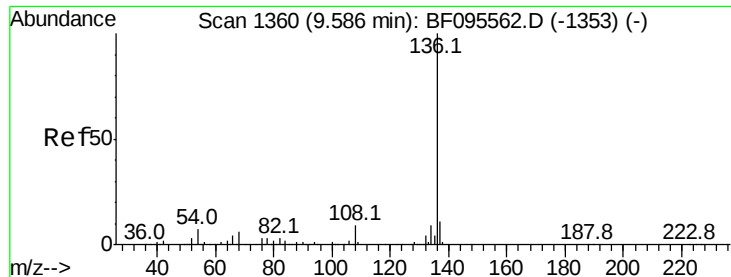


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF095663.D

Acq: 3 Jun 2017 8:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 343314

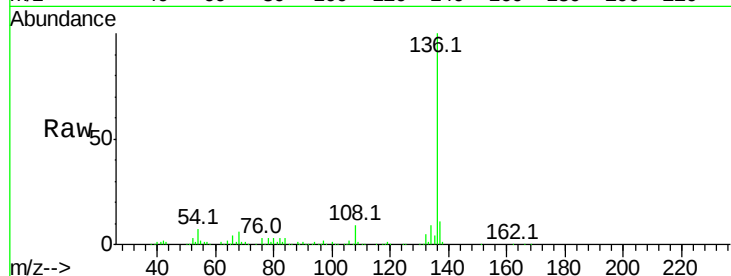
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.3 4.9 7.3

68 5.9 4.1 6.1

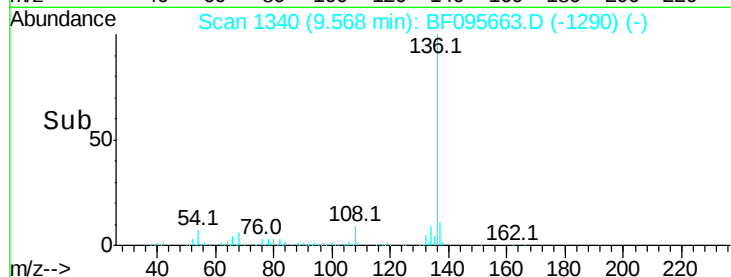


Abundance Ion 136.00 (135.70 to 136.70): E

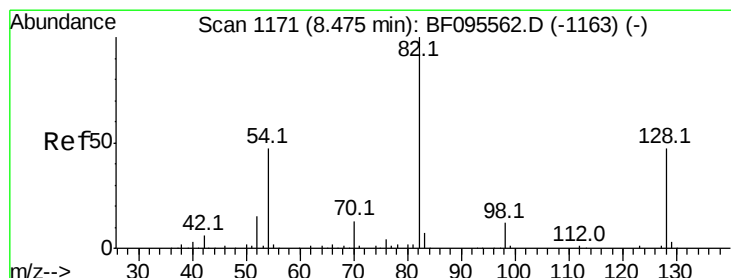
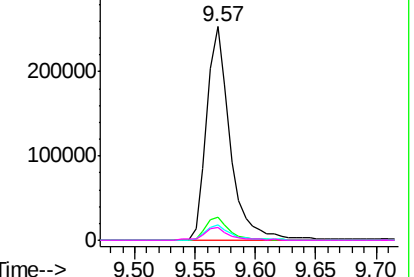
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 77.09 ng

RT: 8.45 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF095663.D

Acq: 3 Jun 2017 8:05

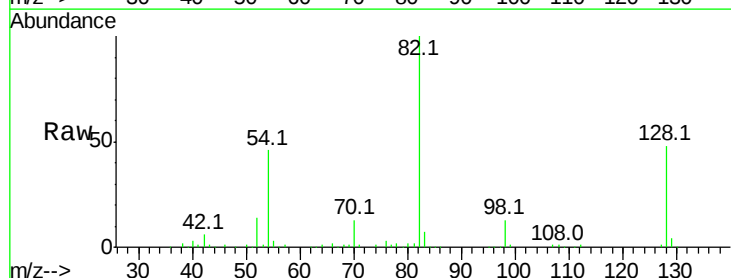
Tgt Ion: 82 Resp: 419690

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

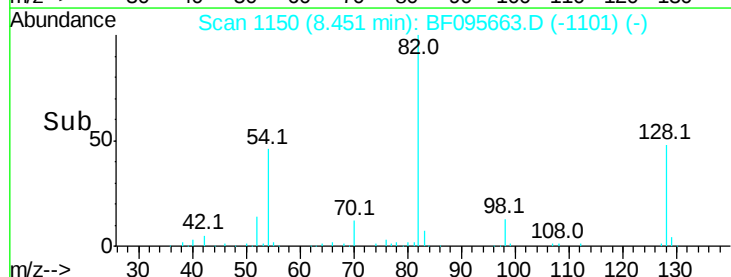
54 45.8 42.2 63.2



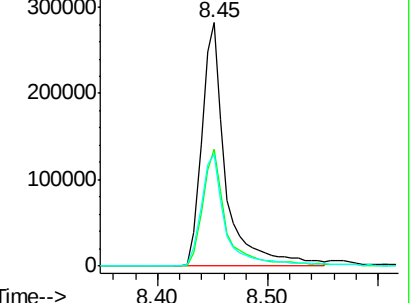
Abundance Ion 82.00 (81.70 to 82.70): BF0

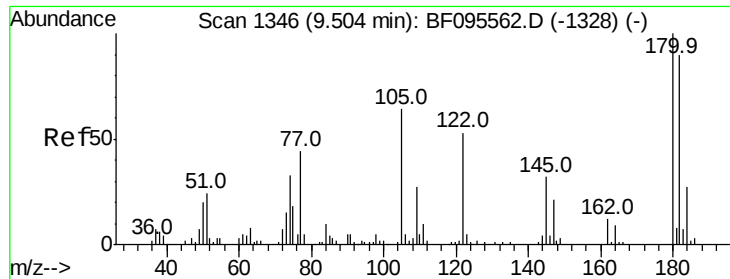
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

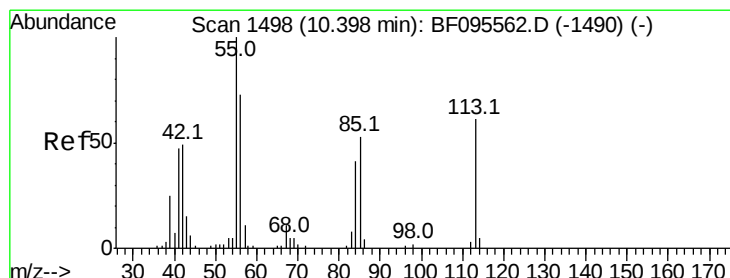
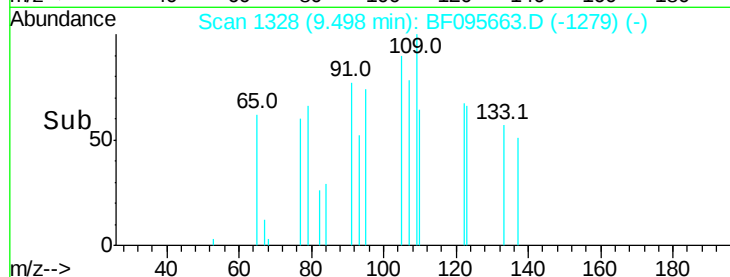
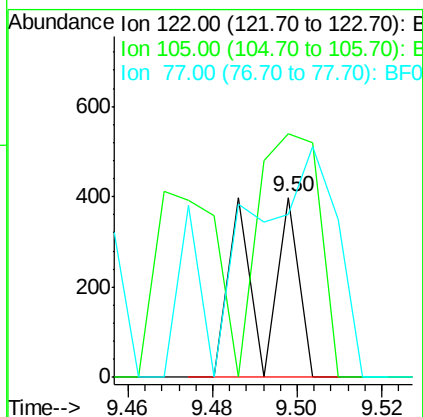
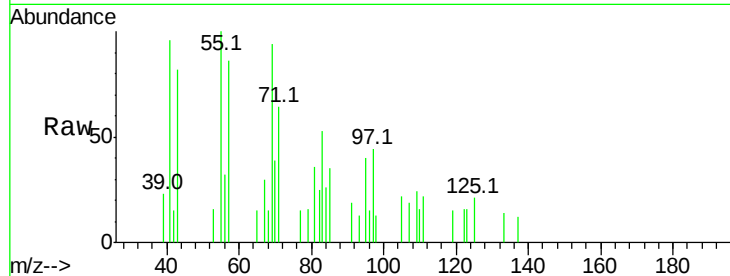




#32
Benzoic acid
Concen: 5.16 ng
RT: 9.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF095663.D
Acq: 3 Jun 2017 8:05

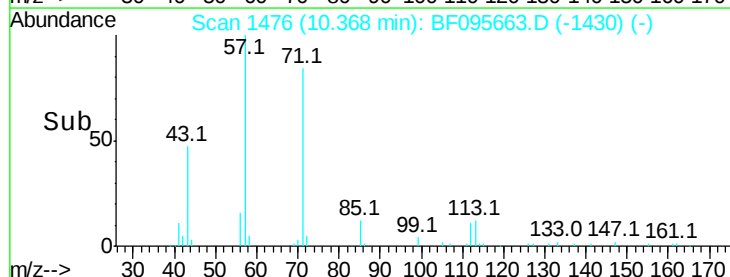
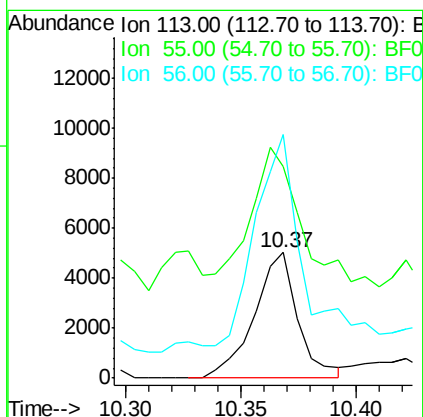
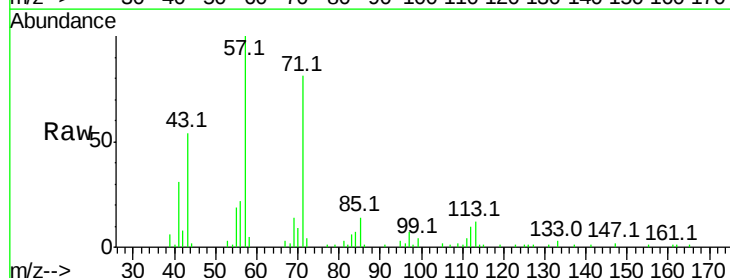
Instrument :
BNA_F
ClientSampleId :

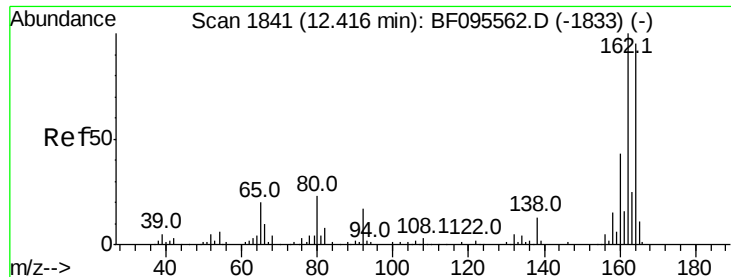
Tot Ion:122 Resp: 281
Ion Ratio Lower Upper
122 100
105 135.1 103.3 143.3
77 90.5 73.7 113.7



#35
Caprolactam
Concen: 4.70 ng
RT: 10.37 min Scan# 1476
Delta R.T. -0.03 min
Lab File: BF095663.D
Acq: 3 Jun 2017 8:05

Tgt Ion:113 Resp: 6628
Ion Ratio Lower Upper
113 100
55 168.7 150.2 190.2
56 194.1 107.8 147.8#

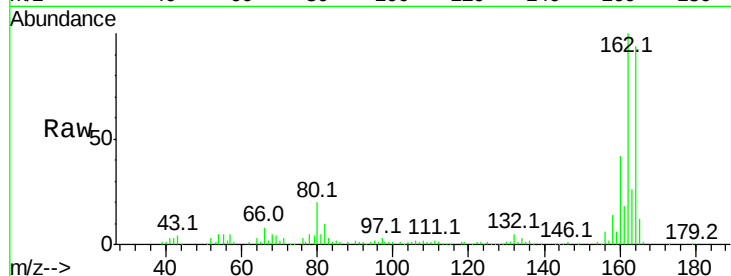




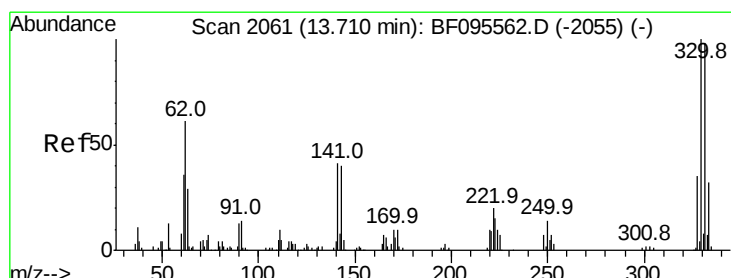
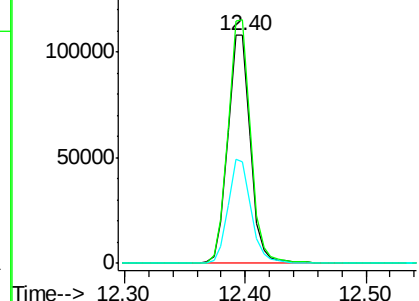
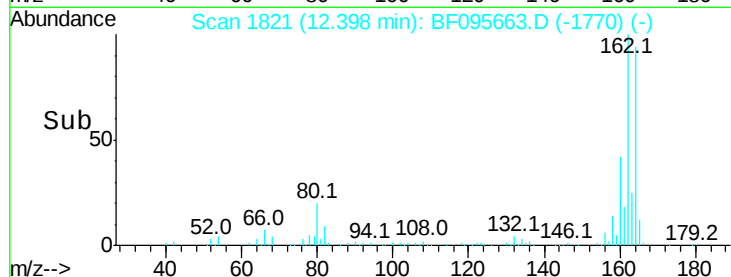
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.40 min Scan# 1821
Delta R.T. -0.00 min
Lab File: BF095663.D
Acq: 3 Jun 2017 8:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 139530
Ion Ratio Lower Upper
164 100
162 106.8 82.6 123.8
160 44.5 36.2 54.2

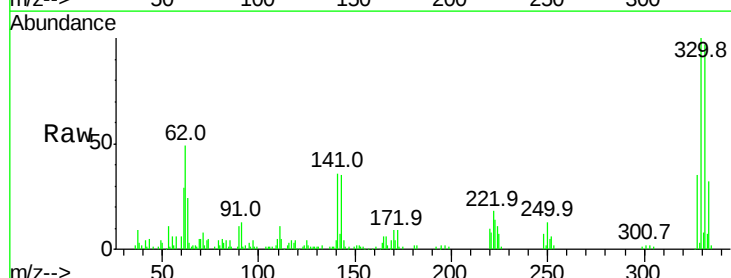


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

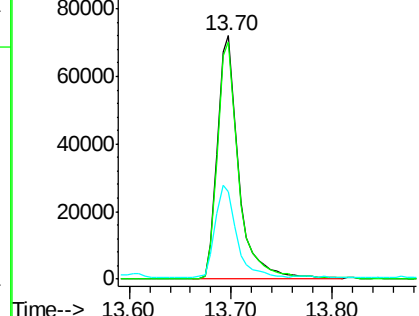
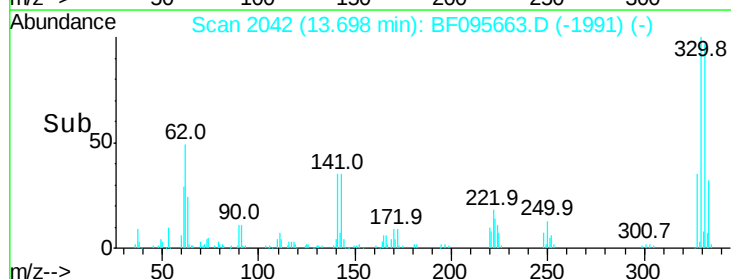


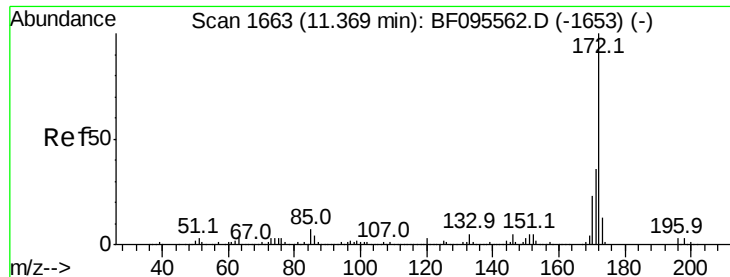
#41
2,4,6-Tribromophenol
Concen: 92.88 ng
RT: 13.70 min Scan# 2042
Delta R.T. -0.00 min
Lab File: BF095663.D
Acq: 3 Jun 2017 8:05

Tgt Ion:330 Resp: 106139
Ion Ratio Lower Upper
330 100
332 97.7 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: 57.79 ng

RT: 11.34 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BF095663.D

Acq: 3 Jun 2017 8:05

Instrument :

BNA_F

ClientSampled :

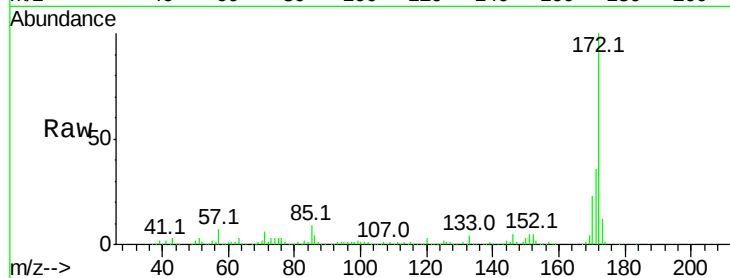
Tot Ion:172 Resp: 560241

Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

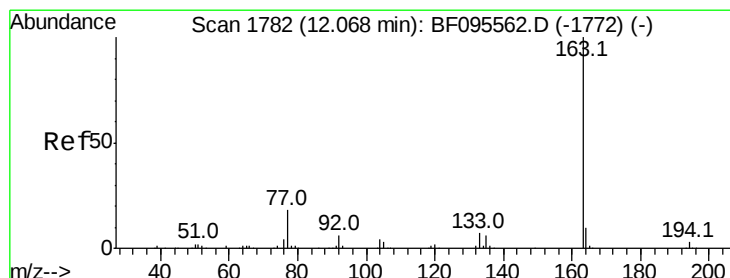
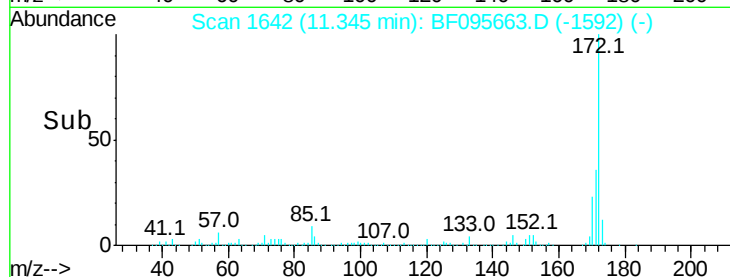
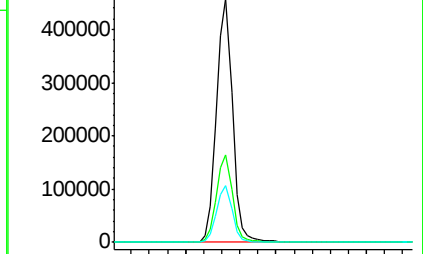
170 23.4 19.8 29.8



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: 14.28 ng

RT: 12.03 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BF095663.D

Acq: 3 Jun 2017 8:05

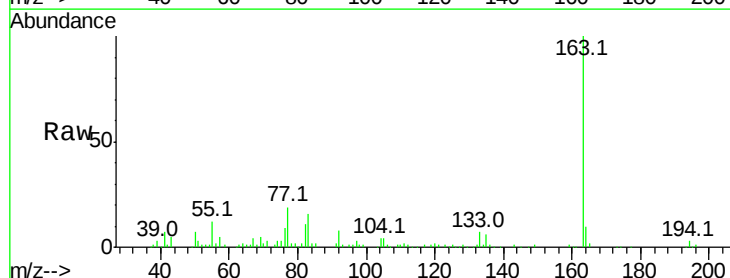
Tgt Ion:163 Resp: 163588

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

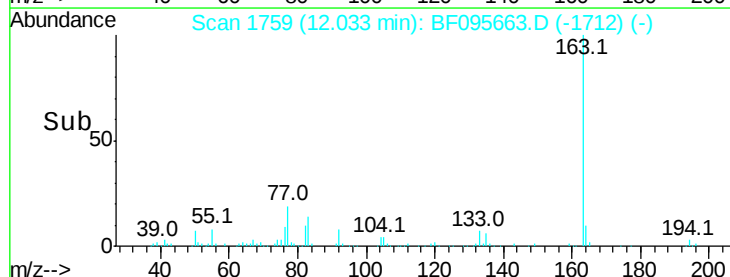
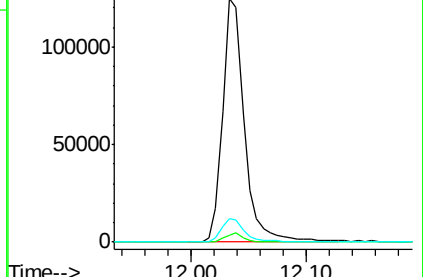
164 9.9 8.4 12.6

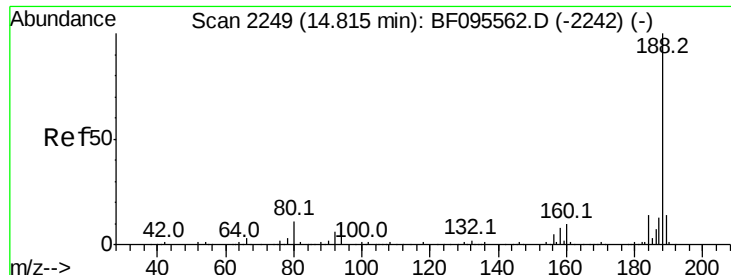


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

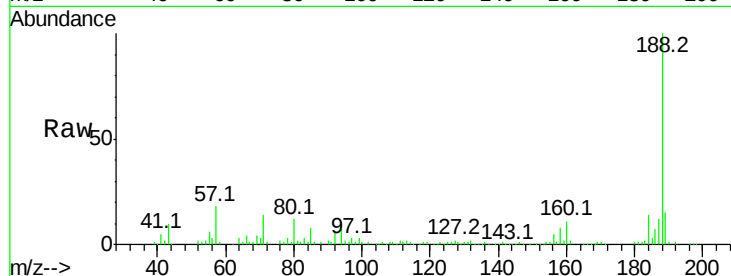




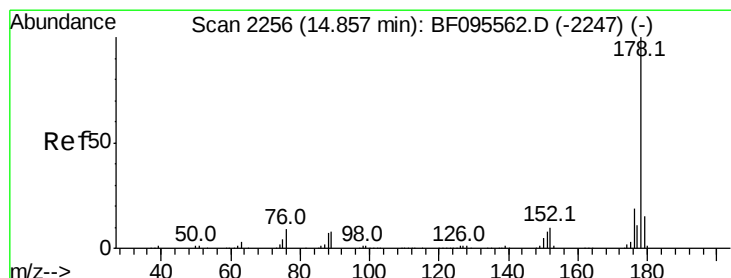
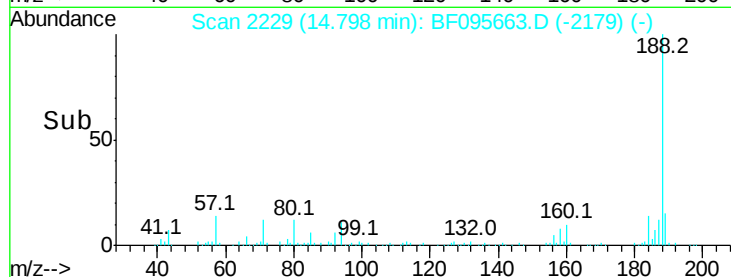
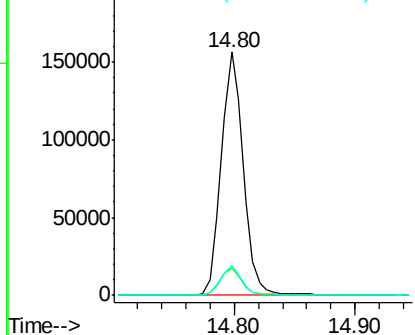
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF095663.D
Acq: 3 Jun 2017 8:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 197019
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 12.3 10.2 15.2

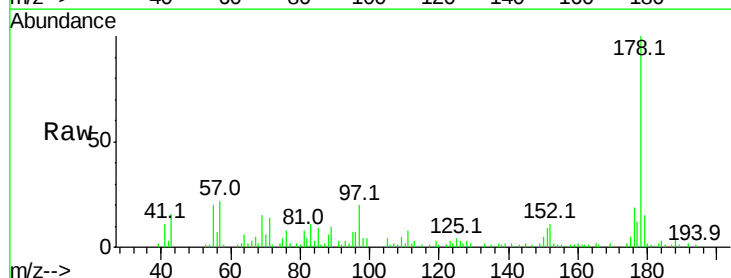


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

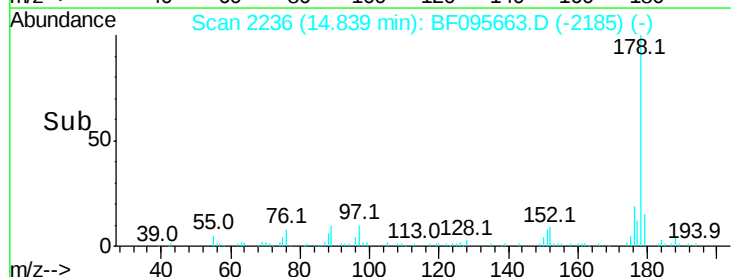
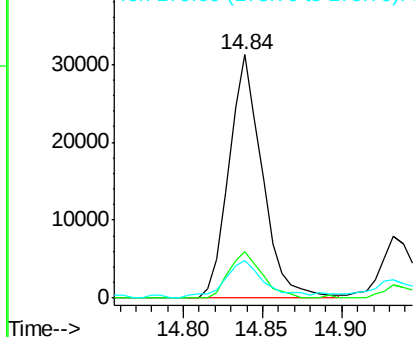


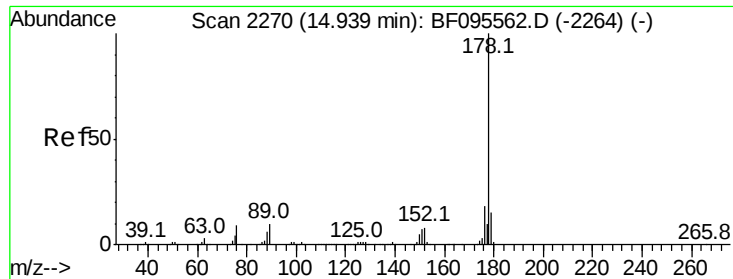
#70
Phenanthrene
Concen: 4.02 ng
RT: 14.84 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF095663.D
Acq: 3 Jun 2017 8:05

Tgt Ion:178 Resp: 45548
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 15.2 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

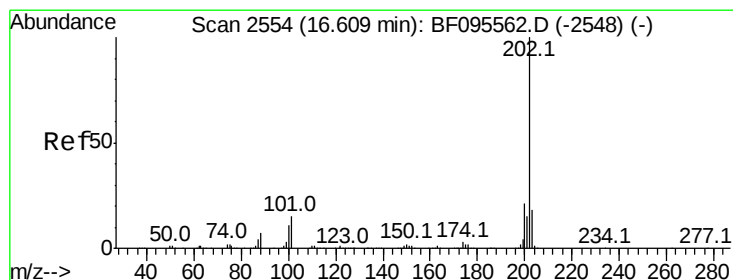
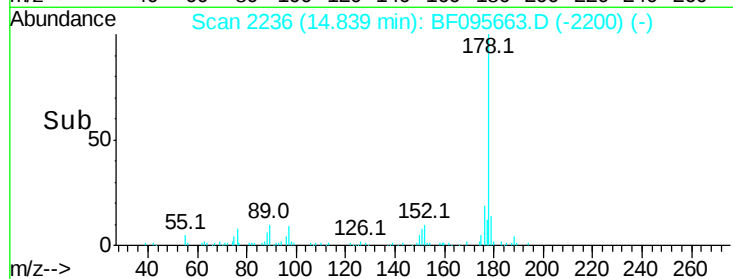
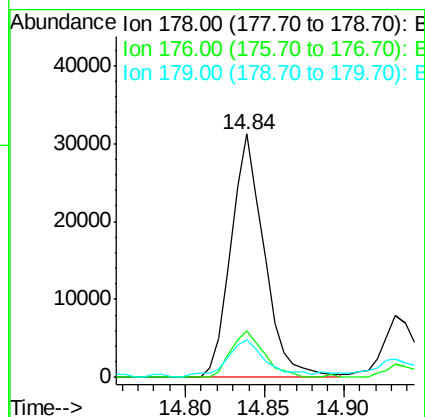
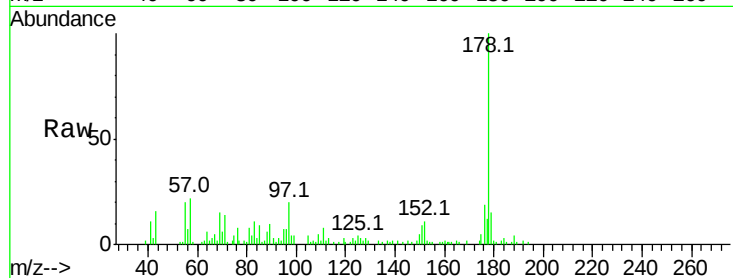




#71
 Anthracene
 Concen: 3.94 ng
 RT: 14.84 min Scan# 2236
 Delta R.T. -0.09 min
 Lab File: BF095663.D
 Acq: 3 Jun 2017 8:05

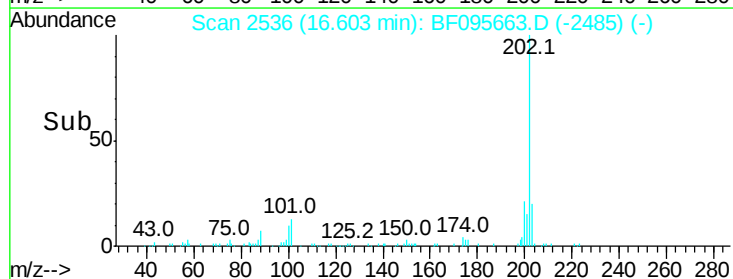
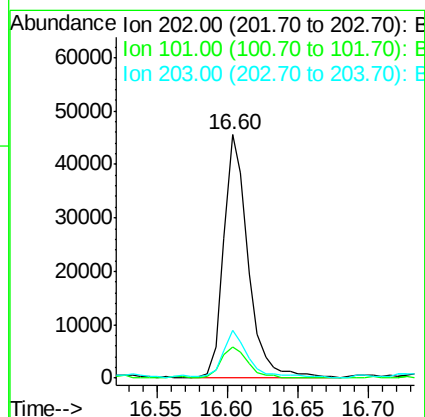
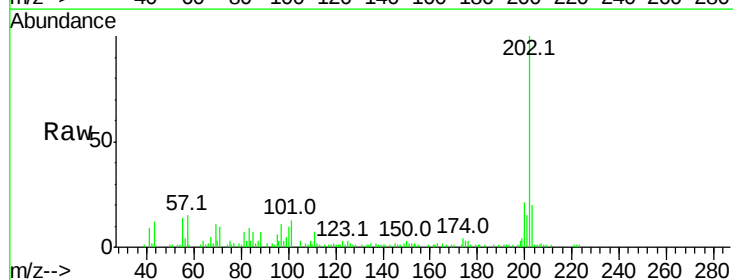
Instrument :
 BNA_F
 ClientSampleId :

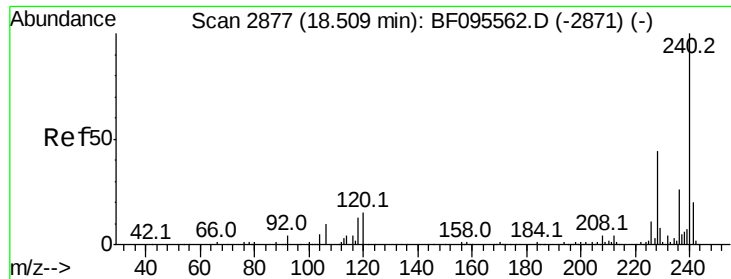
Tot Ion:178 Resp: 45548
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.2 12.7 19.1



#74
 Fluoranthene
 Concen: 4.75 ng
 RT: 16.60 min Scan# 2536
 Delta R.T. -0.00 min
 Lab File: BF095663.D
 Acq: 3 Jun 2017 8:05

Tgt Ion:202 Resp: 55111
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 33.2
 203 19.8 0.0 38.1

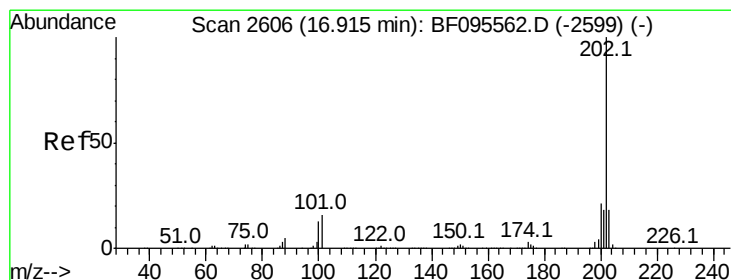
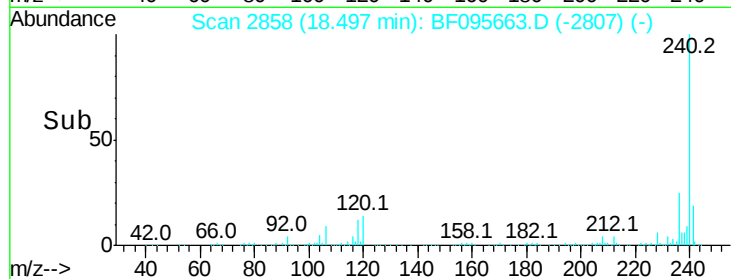
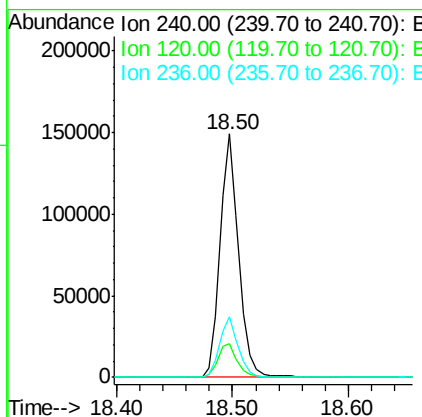
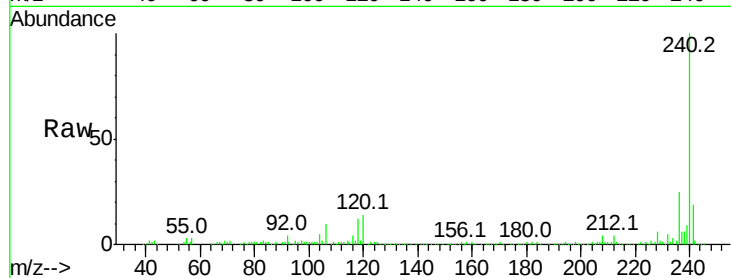




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.50 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: BF095663.D
 Acq: 3 Jun 2017 8:05

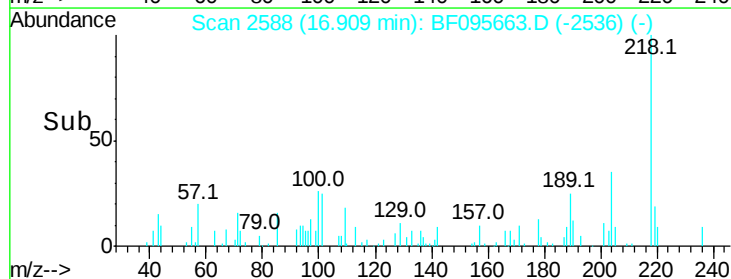
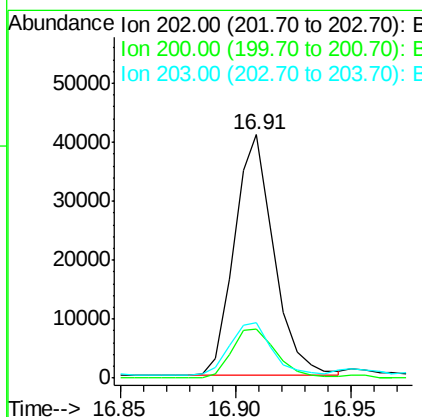
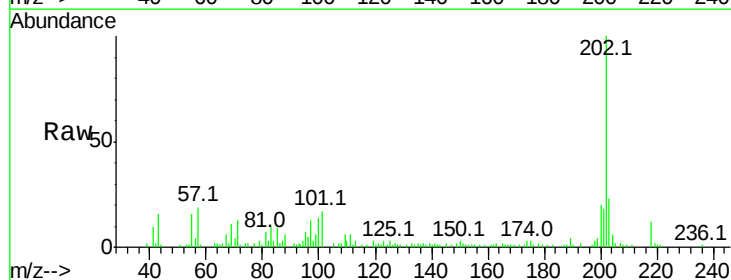
Instrument :
 BNA_F
 ClientSampleId :

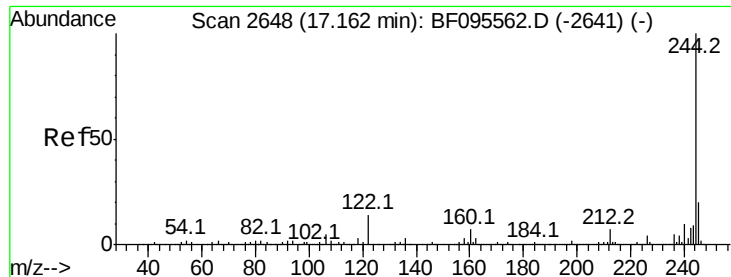
Tot Ion:240 Resp: 165800
 Ion Ratio Lower Upper
 240 100
 120 14.1 5.8 8.8#
 236 25.1 20.5 30.7



#77
 Pyrene
 Concen: 3.91 ng
 RT: 16.91 min Scan# 2588
 Delta R.T. 0.01 min
 Lab File: BF095663.D
 Acq: 3 Jun 2017 8:05

Tgt Ion:202 Resp: 48544
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.6 26.4
 203 22.7 14.4 21.6#

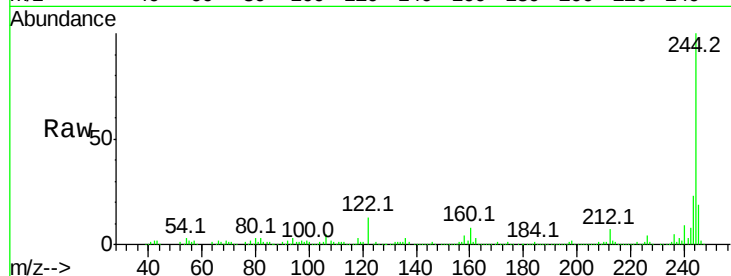




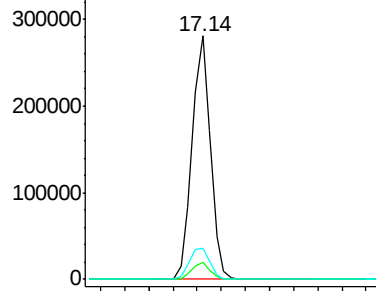
#78
 Terphenyl-d14
 Concen: 39.04 ng
 RT: 17.14 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: BF095663.D
 Acq: 3 Jun 2017 8:05

Instrument :
 BNA_F
 ClientSampleId :

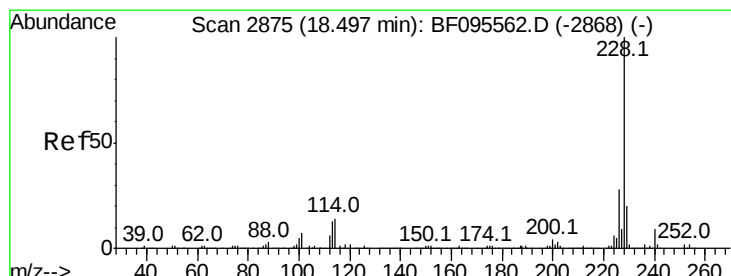
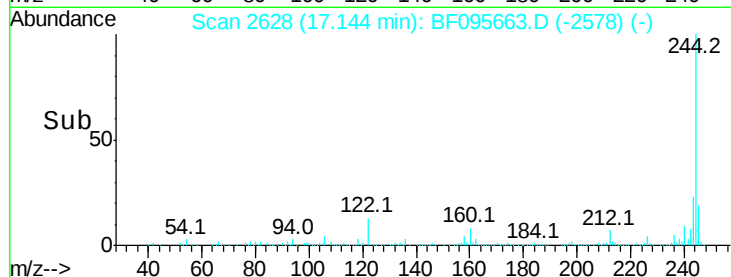
Tot Ion:244 Resp: 293849
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 13.0 10.3 15.5



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

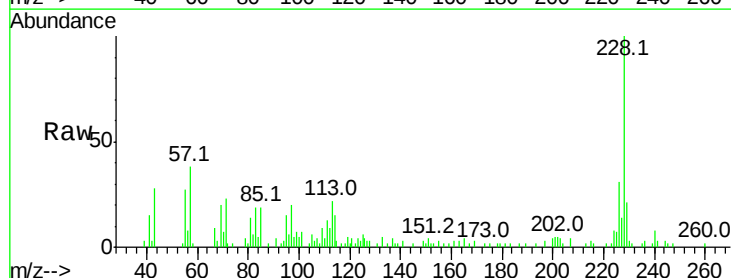


Time-->

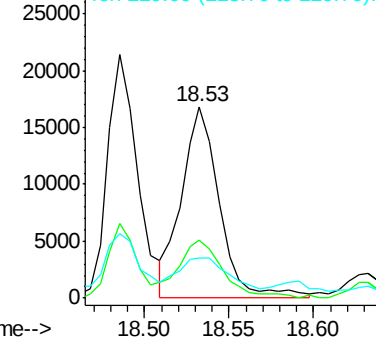


#80
 Benzo(a)anthracene
 Concen: 2.74 ng
 RT: 18.53 min Scan# 2864
 Delta R.T. 0.05 min
 Lab File: BF095663.D
 Acq: 3 Jun 2017 8:05

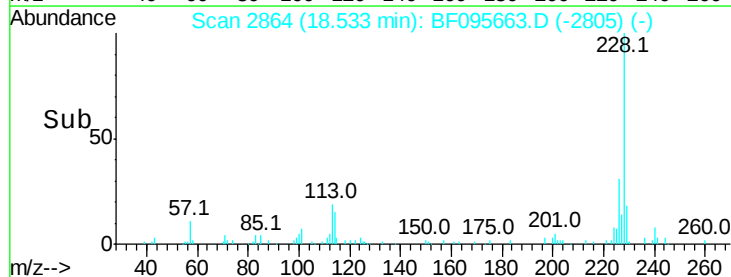
Tgt Ion:228 Resp: 26432
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.6 33.8
 229 21.2 16.3 24.5

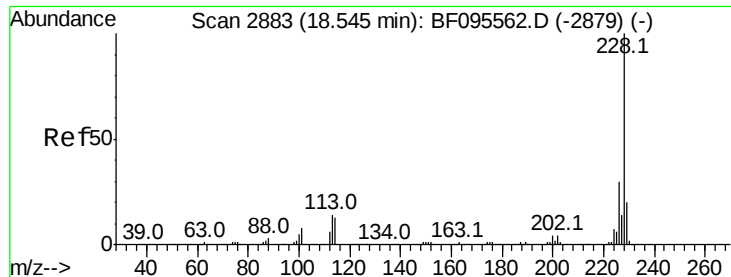


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time-->

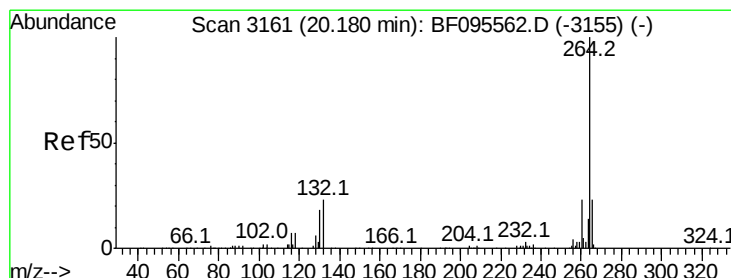
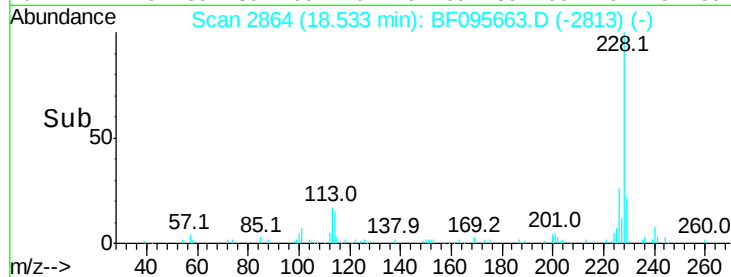
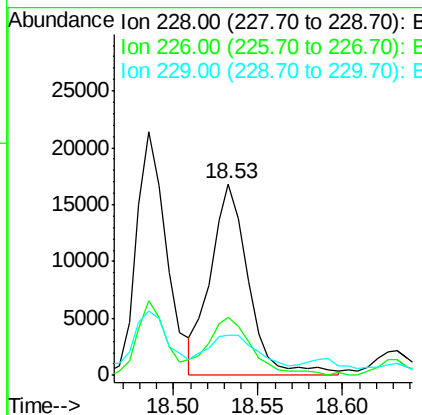
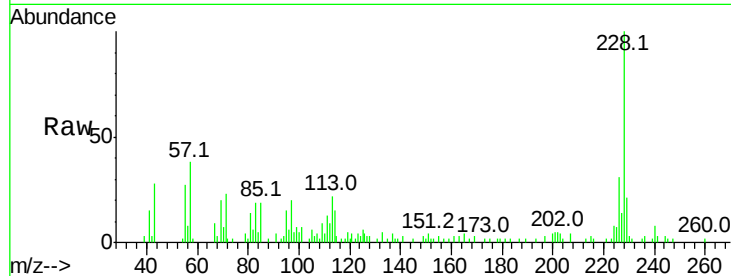




#82
Chrysene
Concen: 2.83 ng
RT: 18.53 min Scan# 2864
Delta R.T. -0.00 min
Lab File: BF095663.D
Acq: 3 Jun 2017 8:05

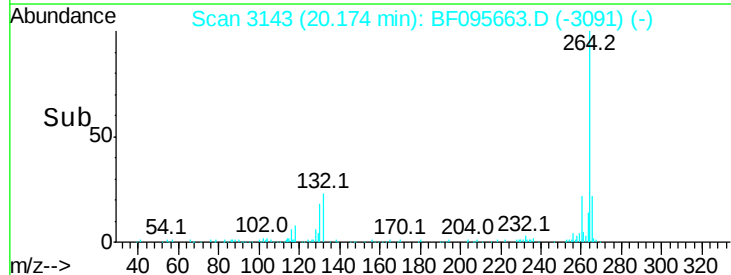
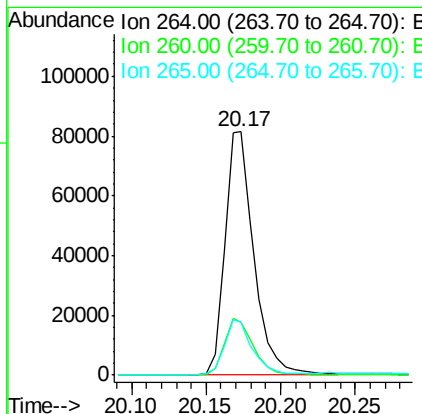
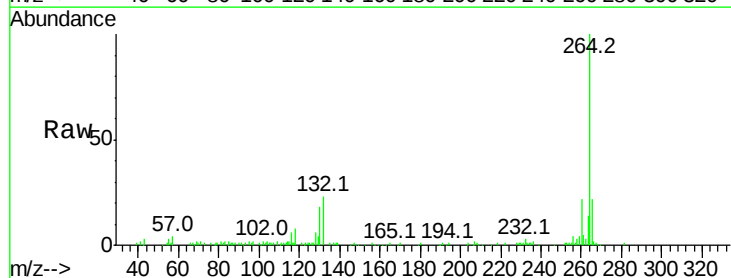
Instrument :
BNA_F
ClientSampleId :

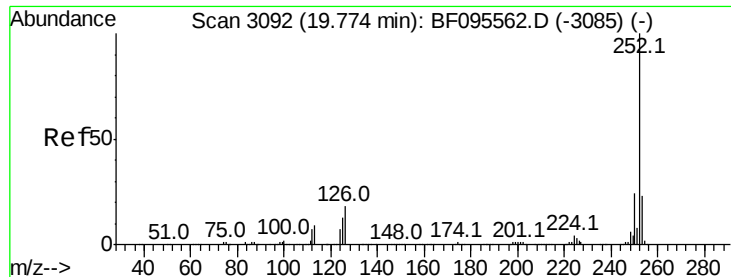
Tot Ion:228 Resp: 26432
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 21.2 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.17 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BF095663.D
Acq: 3 Jun 2017 8:05

Tgt Ion:264 Resp: 110969
Ion Ratio Lower Upper
264 100
260 21.6 19.5 29.3
265 21.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 4.51 ng

RT: 19.77 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BF095663.D

Acq: 3 Jun 2017 8:05

Instrument :

BNA_F

ClientSampleId :

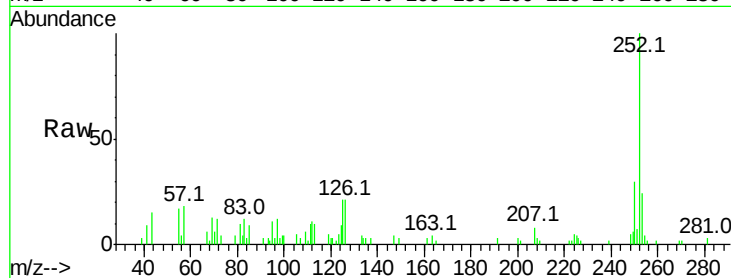
Tot Ion:252 Resp: 30954

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

125 20.5 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

20000

15000

10000

5000

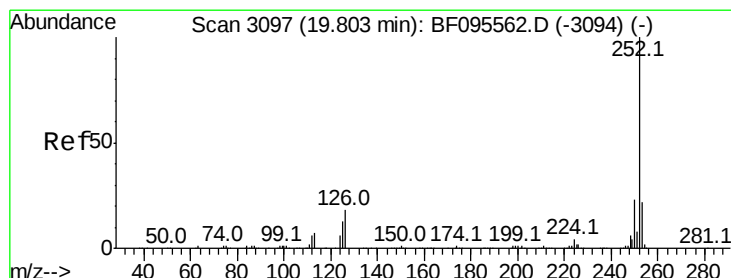
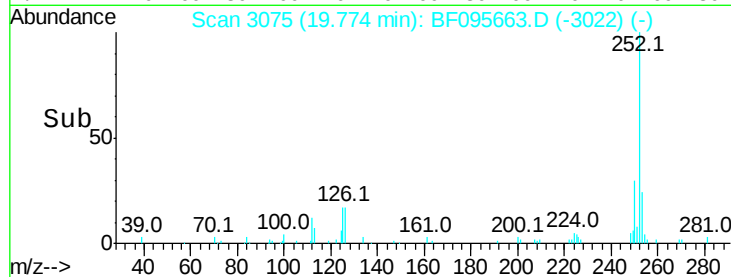
0

19.77

19.80

19.85

Time-->



#88

Benzo(k)fluoranthene

Concen: 4.68 ng

RT: 19.77 min Scan# 3075

Delta R.T. -0.02 min

Lab File: BF095663.D

Acq: 3 Jun 2017 8:05

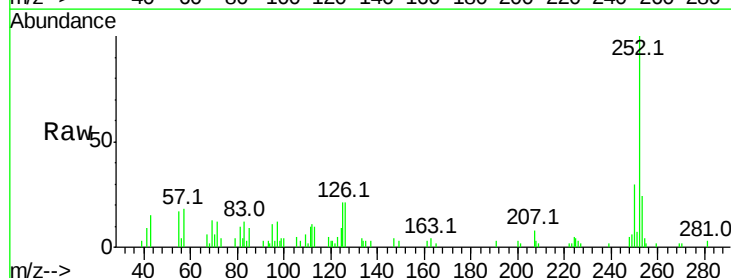
Tgt Ion:252 Resp: 30954

Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

125 20.5 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

20000

15000

10000

5000

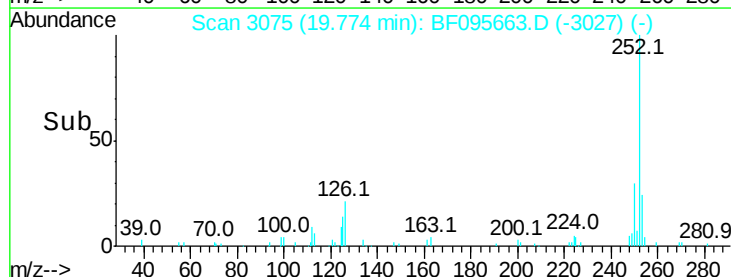
0

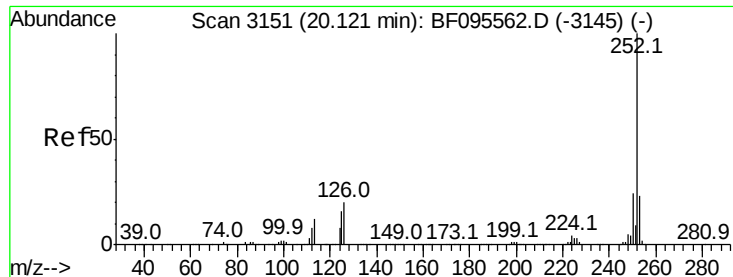
19.77

19.80

19.85

Time-->





#89

Benzo(a)pyrene

Concen: 2.66 ng

RT: 20.12 min Scan# 3134

Delta R.T. 0.01 min

Lab File: BF095663.D

Acq: 3 Jun 2017 8:05

Instrument :

BNA_F

ClientSampleId :

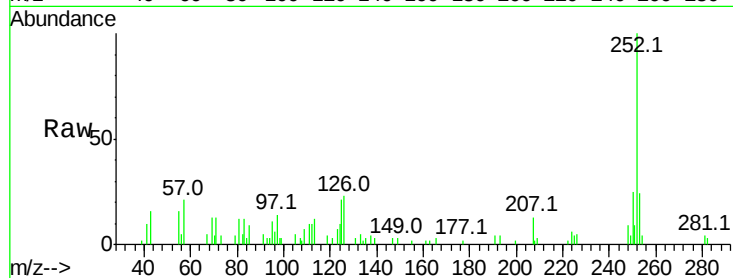
Tot Ion:252 Resp: 16826

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 20.7 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

