

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094617.D
 Acq On : 25 Apr 2017 20:40
 Operator : SJ/MA
 Sample : I2783-01RX
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 01:27:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

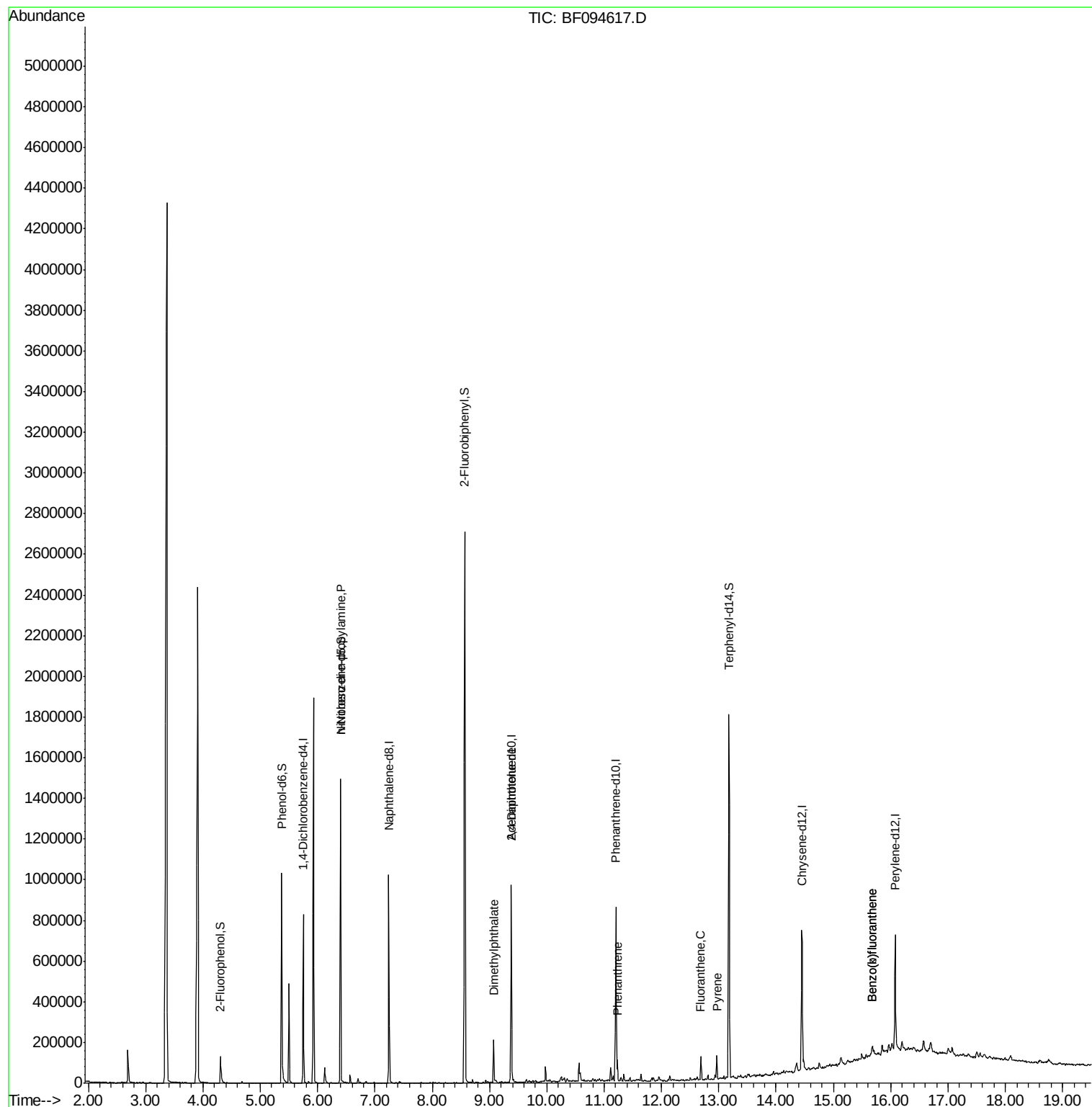
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	130961	20.00	ng	-0.01
21) Naphthalene-d8	7.24	136	512413	20.00	ng	-0.02
38) Acenaphthene-d10	9.38	164	214525	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	332733	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	272072	20.00	ng	-0.02
86) Perylene-d12	16.08	264	225523	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	46175	5.85	ng	0.00
7) Phenol-d6	5.37	99	381528	41.00	ng	-0.02
23) Nitrobenzene-d5	6.40	82	502942	60.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	638	0.38	ng	0.00
44) 2-Fluorobiphenyl	8.57	172	959022	65.78	ng	-0.02
78) Terphenyl-d14	13.18	244	616064	60.52	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.40	70	64952	10.53	ng	# 75
49) Dimethylphthalate	9.07	163	98228	6.14	ng	98
56) 2,4-Dinitrotoluene	9.38	165	27235	6.19	ng	# 34
70) Phenanthrene	11.23	178	41435	2.21	ng	99
74) Fluoranthene	12.69	202	48692	2.51	ng	99
77) Pyrene	12.97	202	43874	2.31	ng	97
87) Benzo(b)fluoranthene	15.68	252	31468	2.28	ng	# 83
88) Benzo(k)fluoranthene	15.68	252	31468	2.41	ng	# 87

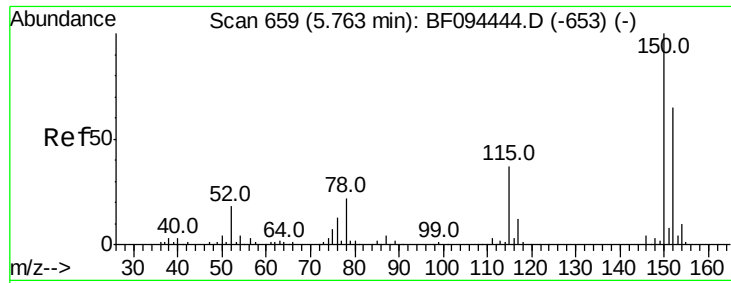
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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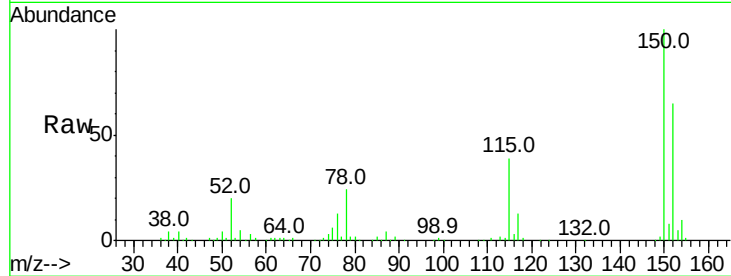


#1

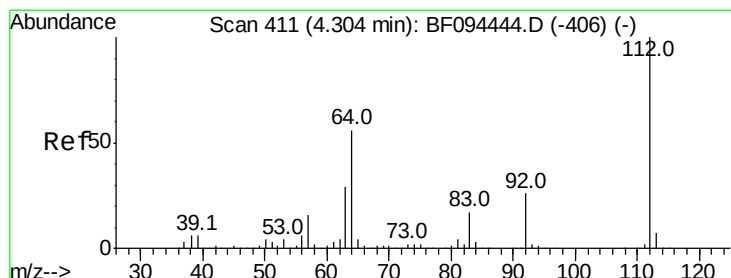
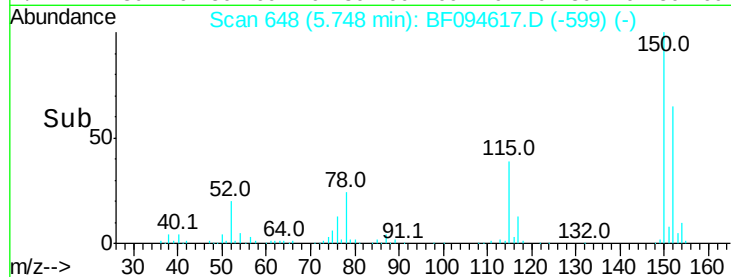
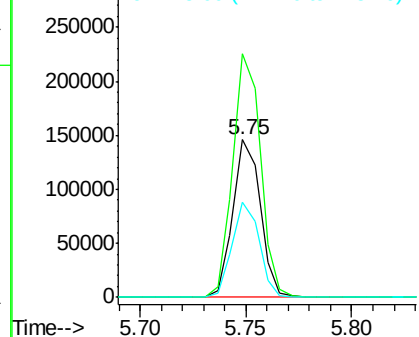
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF094617.D
Acq: 25 Apr 2017 20:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 130961
Ion Ratio Lower Upper
152 100
150 154.3 126.2 189.2
115 60.5 52.2 78.2



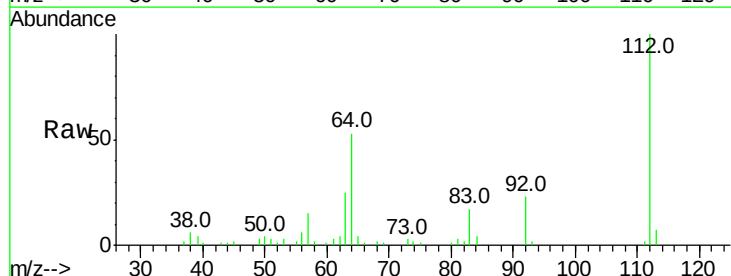
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



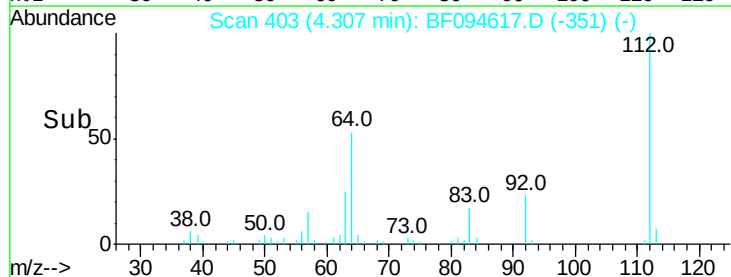
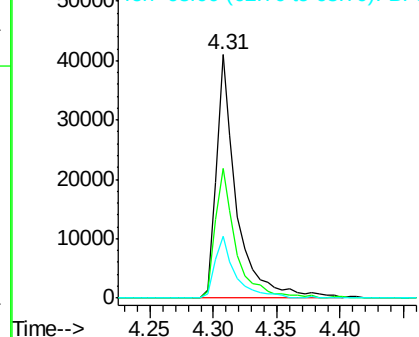
#5

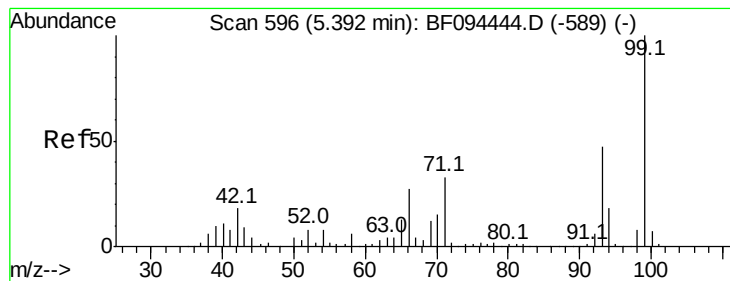
2-Fluorophenol
Concen: 5.85 ng
RT: 4.31 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF094617.D
Acq: 25 Apr 2017 20:40

Tgt Ion:112 Resp: 46175
Ion Ratio Lower Upper
112 100
64 53.4 46.0 69.0
63 25.3 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: 41.00 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

Instrument :

BNA_F

ClientSampled :

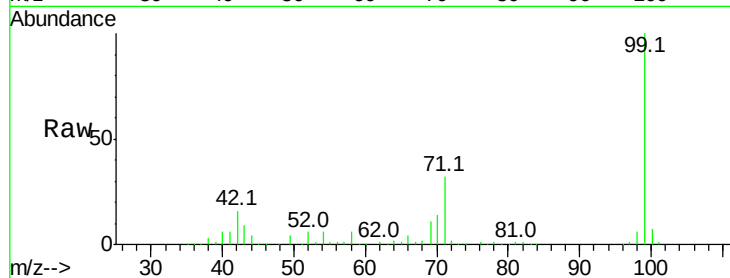
Tot Ion: 99 Resp: 381528

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

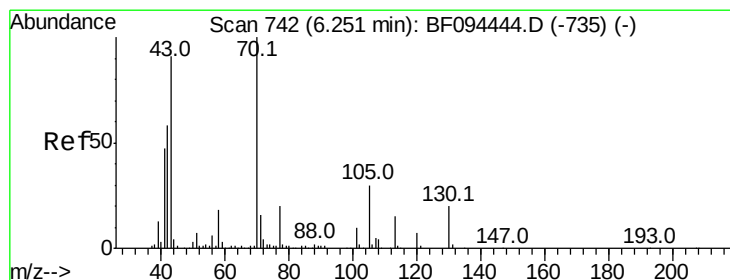
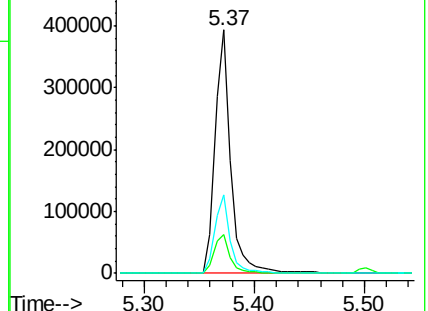
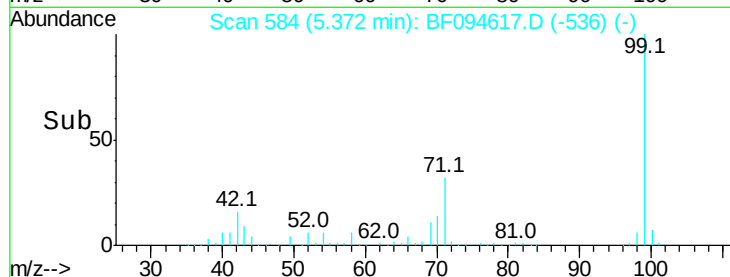
71 32.3 24.5 36.7



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: 10.53 ng

RT: 6.40 min Scan# 759

Delta R.T. 0.15 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

Tgt Ion: 70 Resp: 64952

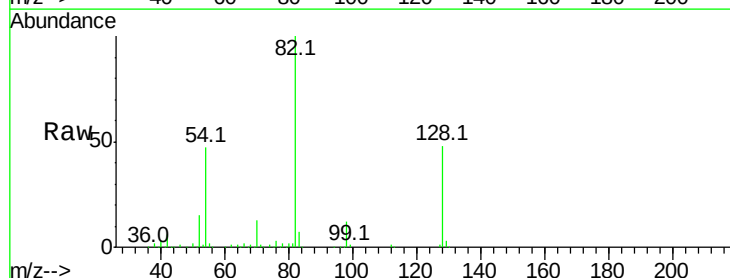
Ion Ratio Lower Upper

70 100

42 43.9 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

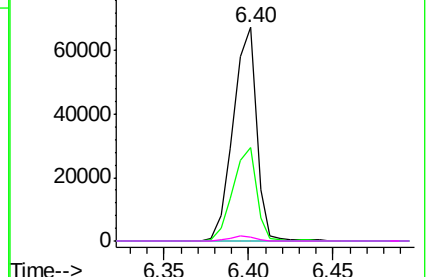
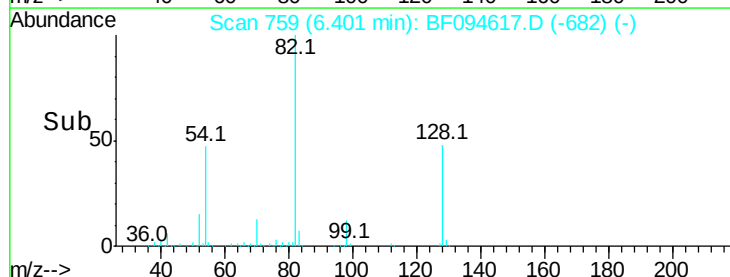


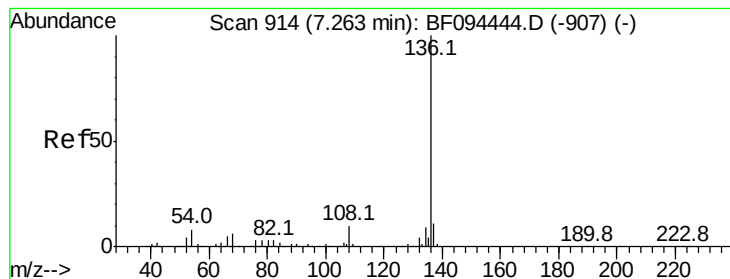
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.24 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 512413

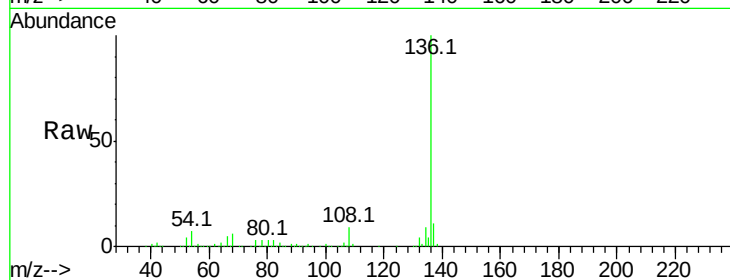
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.4 4.9 7.3#

68 6.0 4.1 6.1

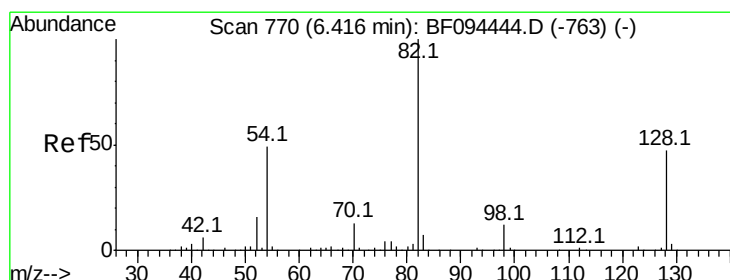
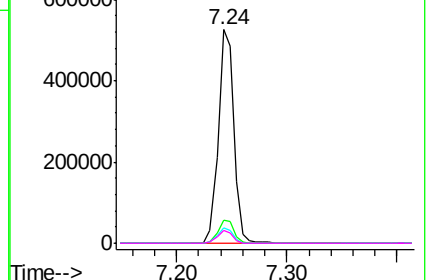
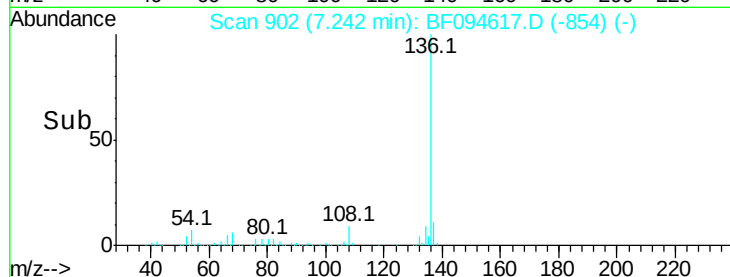


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.61 ng

RT: 6.40 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

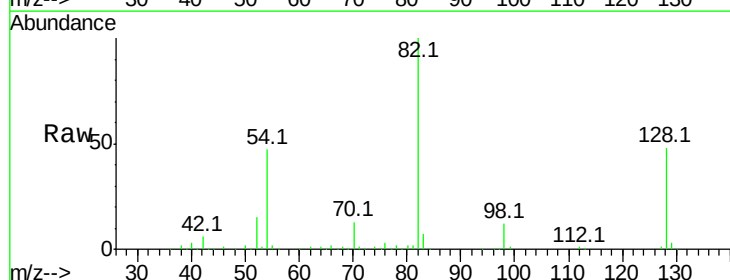
Tgt Ion: 82 Resp: 502942

Ion Ratio Lower Upper

82 100

128 48.1 34.0 51.0

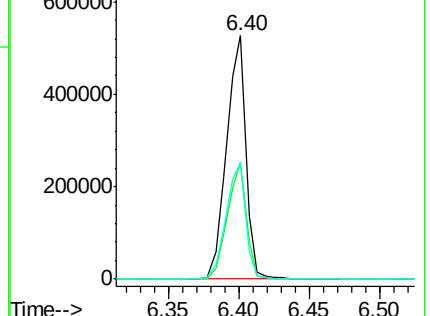
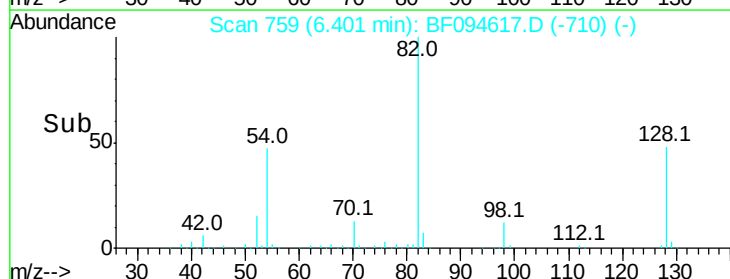
54 47.5 42.2 63.2

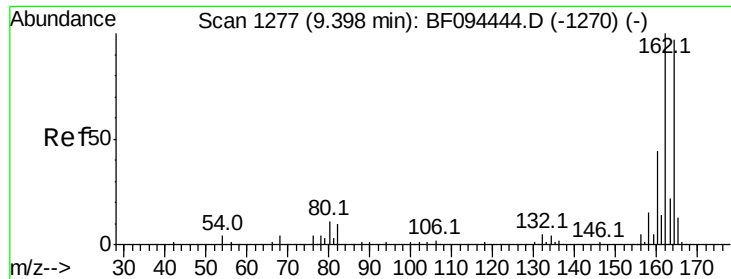


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.38 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

Instrument :

BNA_F

ClientSampleId :

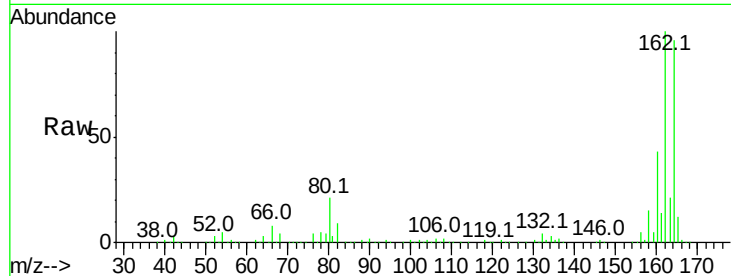
Tot Ion:164 Resp: 214525

Ion Ratio Lower Upper

164 100

162 104.0 82.6 123.8

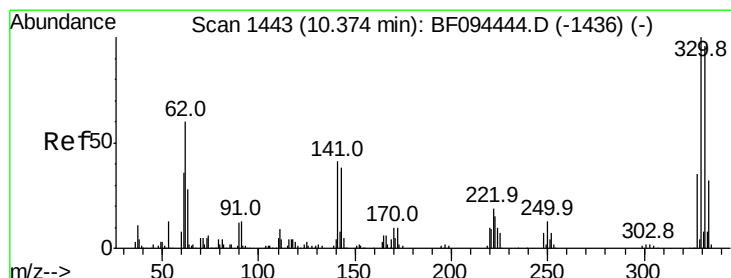
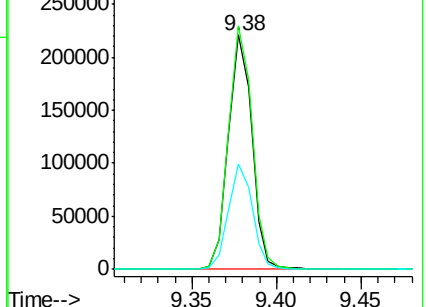
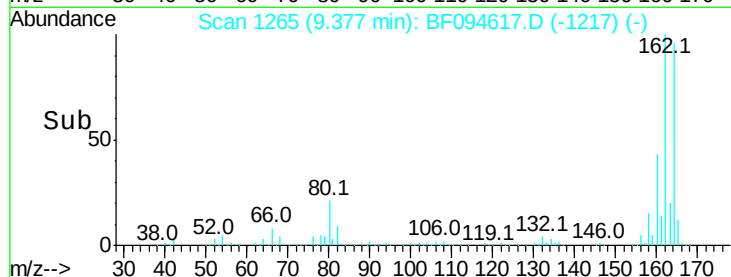
160 44.9 36.2 54.2



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: 0.38 ng

RT: 10.37 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

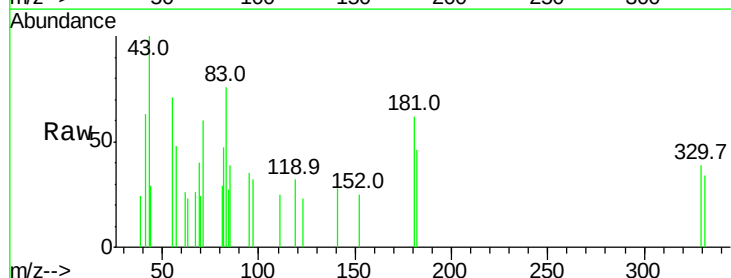
Tgt Ion:330 Resp: 638

Ion Ratio Lower Upper

330 100

332 52.4 76.6 115.0#

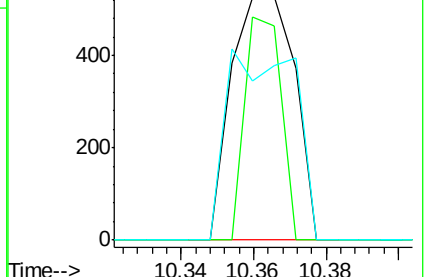
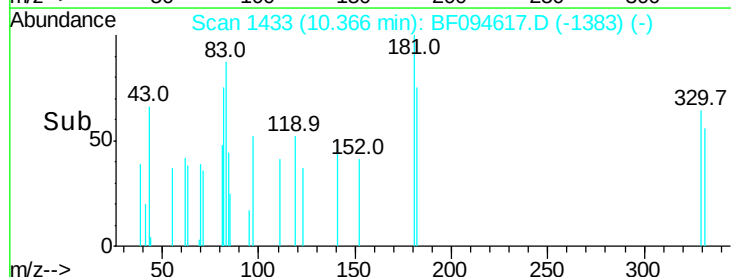
141 84.8 31.4 47.2#

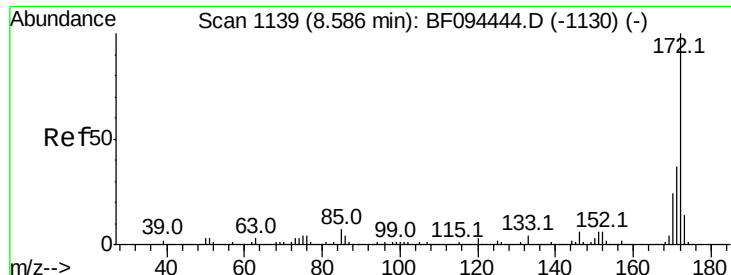


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

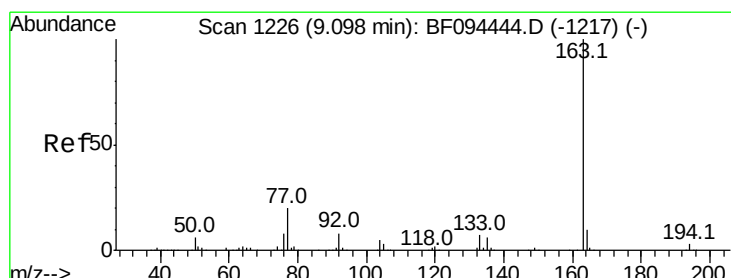
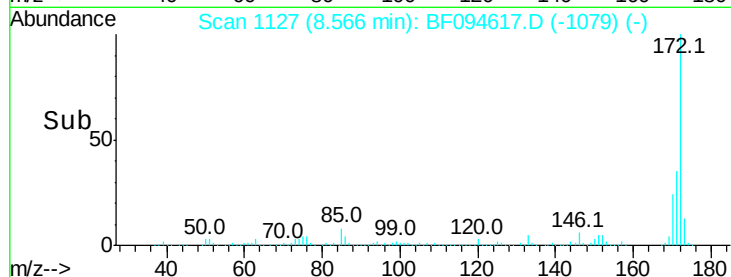
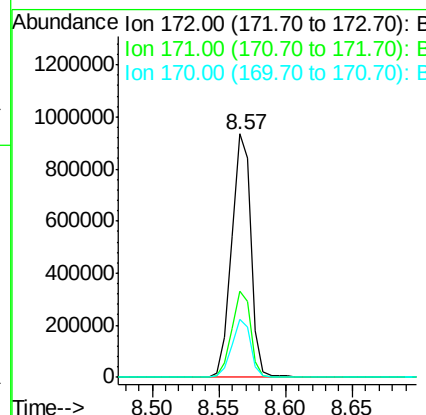
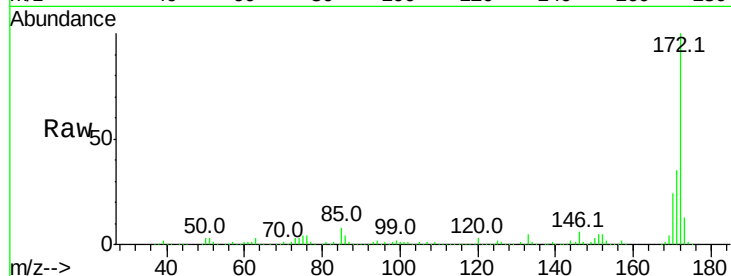




#44
 2-Fluorobiphenyl
 Concen: 65.78 ng
 RT: 8.57 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF094617.D
 Acq: 25 Apr 2017 20:40

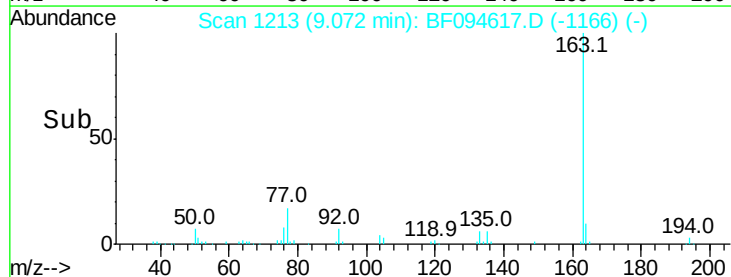
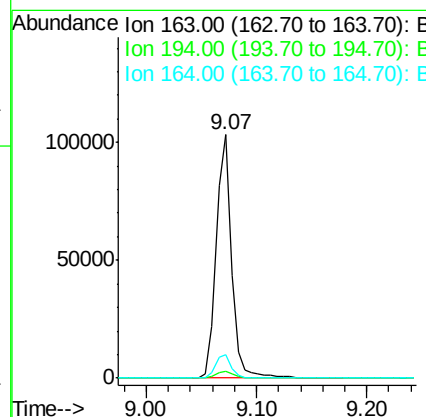
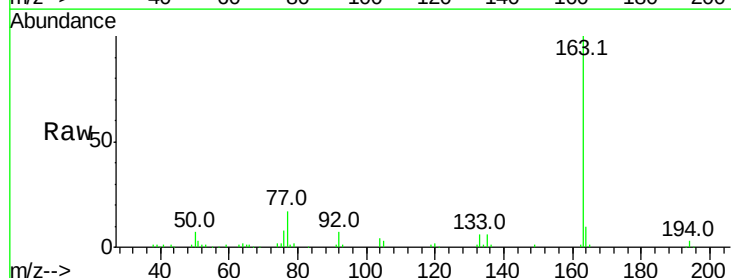
Instrument :
 BNA_F
 ClientSampleId :

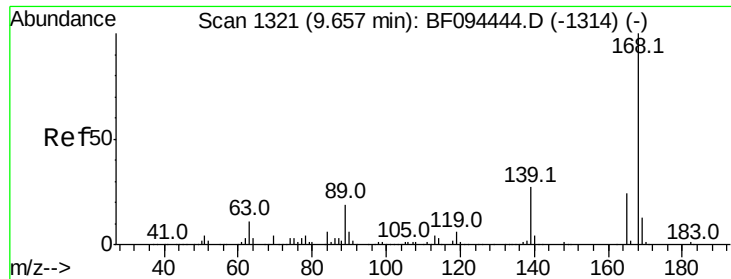
Tot Ion:172 Resp: 959022
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 23.6 19.8 29.8



#49
 Dimethylphthalate
 Concen: 6.14 ng
 RT: 9.07 min Scan# 1213
 Delta R.T. -0.03 min
 Lab File: BF094617.D
 Acq: 25 Apr 2017 20:40

Tgt Ion:163 Resp: 98228
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.6 4.0
 164 9.7 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.19 ng

RT: 9.38 min Scan# 1265

Delta R.T. -0.28 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 27235

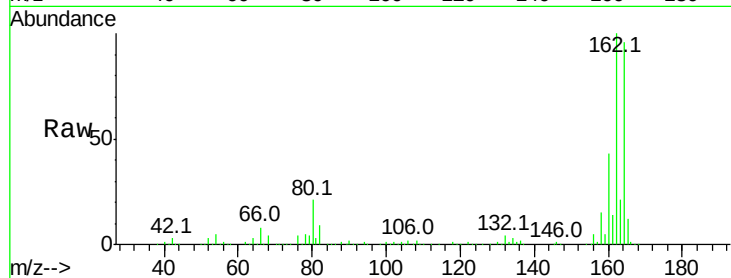
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 2.3 46.4 69.6#

182 0.0 1.8 2.6#

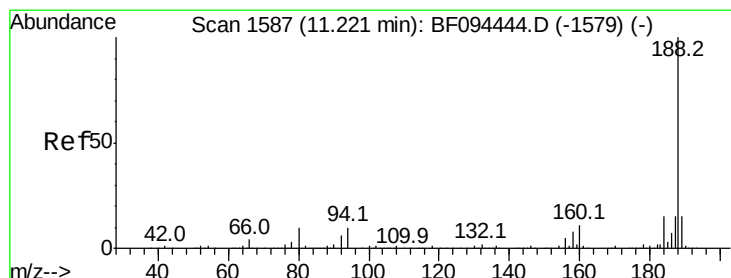
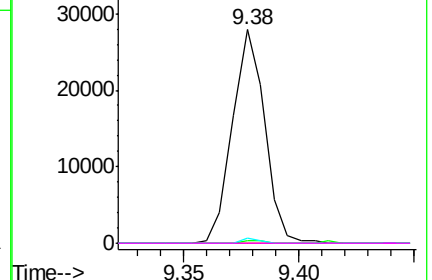
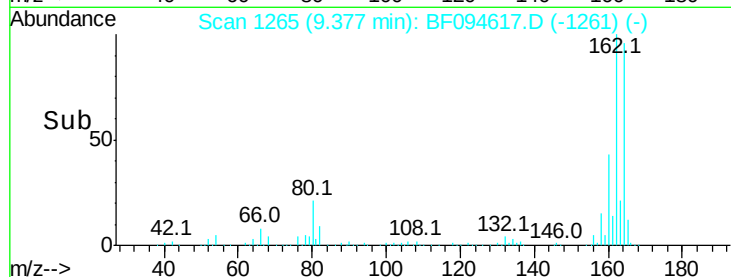


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

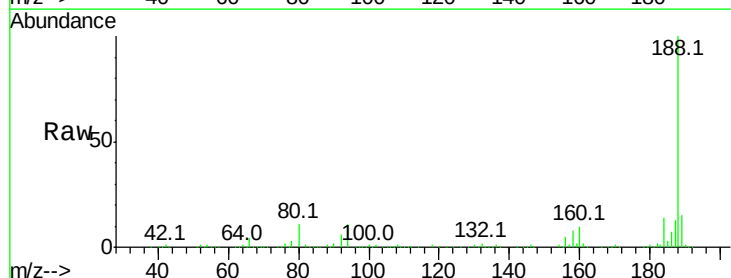
Tgt Ion:188 Resp: 332733

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

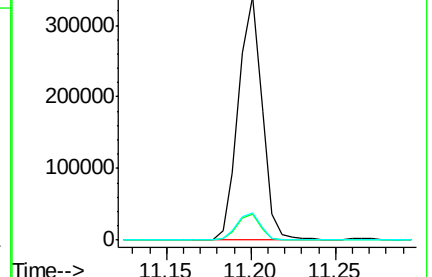
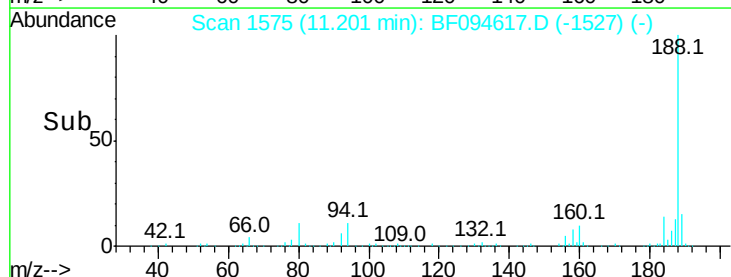
80 11.4 10.2 15.2

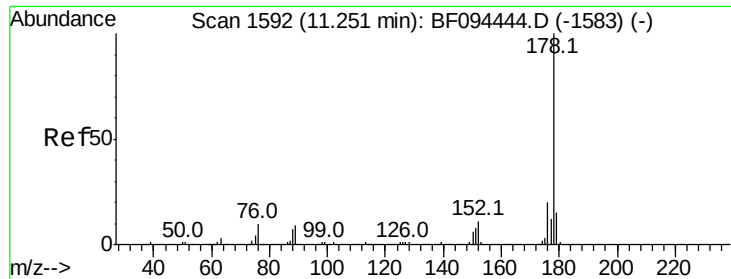


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.21 ng

RT: 11.23 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

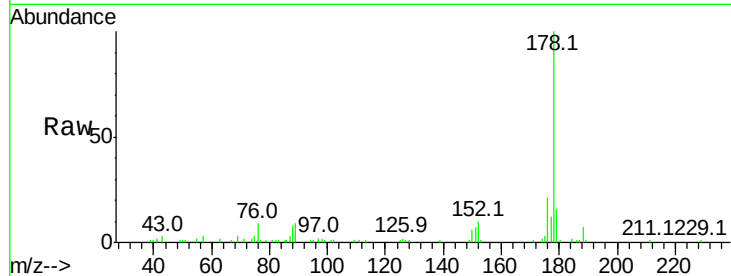
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 41435

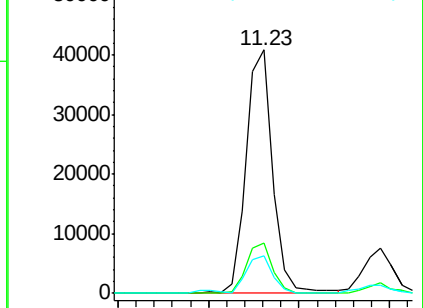
Ion	Ratio	Lower	Upper
178	100		
176	20.7	16.2	24.4
179	15.6	12.6	19.0



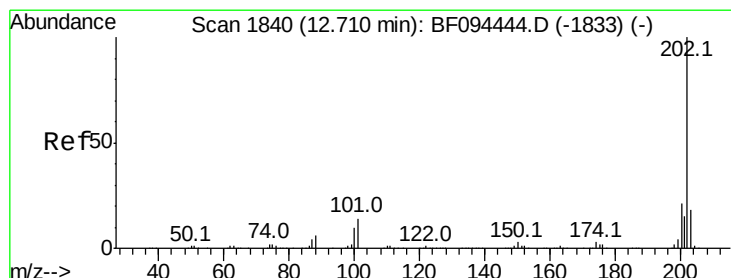
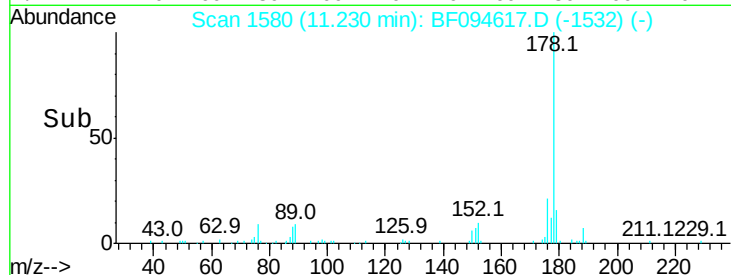
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.15 11.20 11.25



#74

Fluoranthene

Concen: 2.51 ng

RT: 12.69 min Scan# 1828

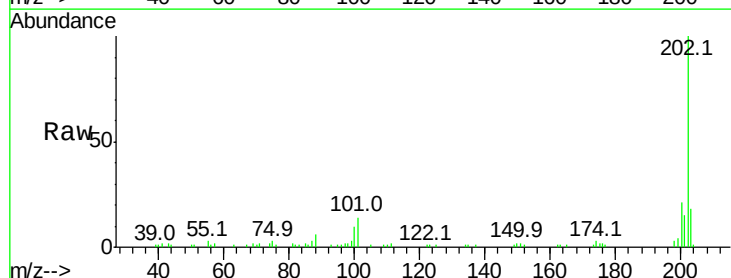
Delta R.T. -0.02 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

Tgt Ion:202 Resp: 48692

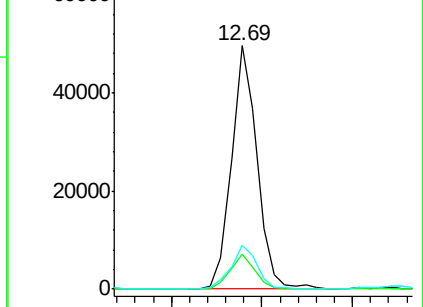
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.2
203	18.1	0.0	38.1



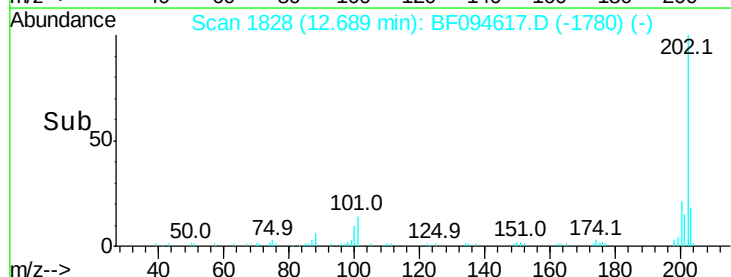
Abundance Ion 202.00 (201.70 to 202.70): E

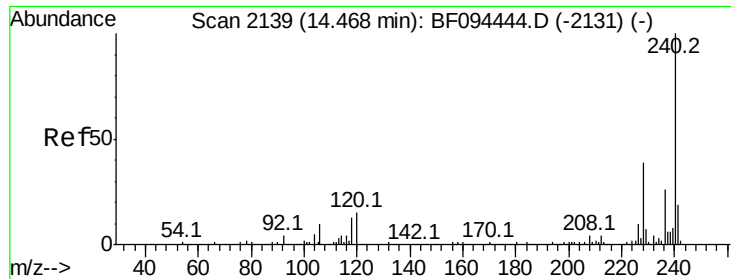
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.65 12.70 12.75





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2127

Delta R.T. -0.02 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

Instrument :

BNA_F

ClientSampleId :

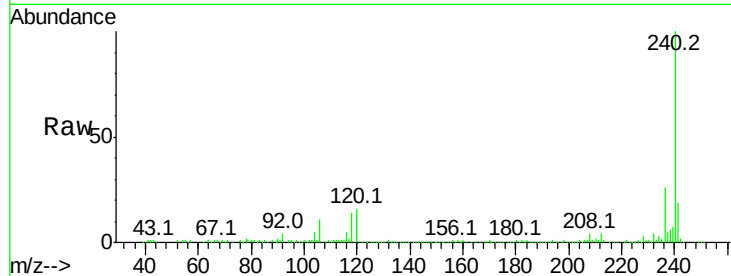
Tot Ion:240 Resp: 272072

Ion Ratio Lower Upper

240 100

120 15.8 5.8 8.8#

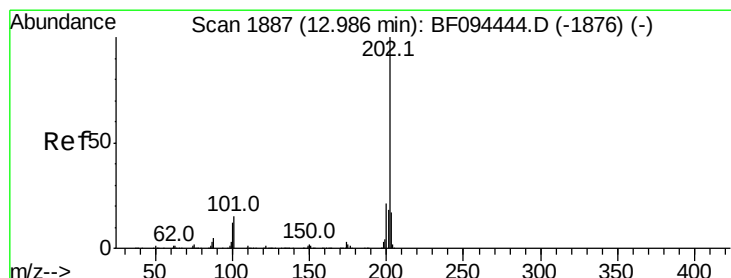
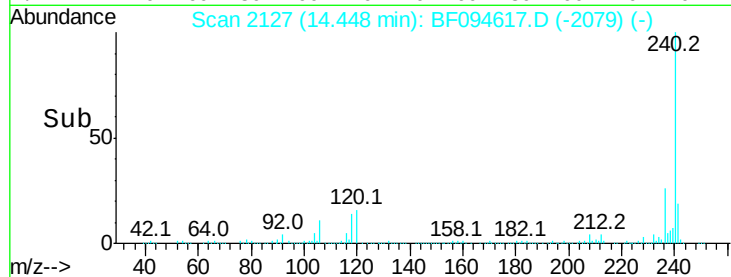
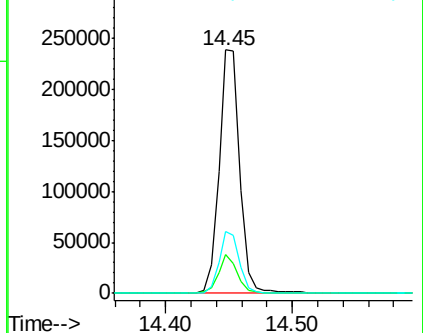
236 25.5 20.5 30.7



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: 2.31 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

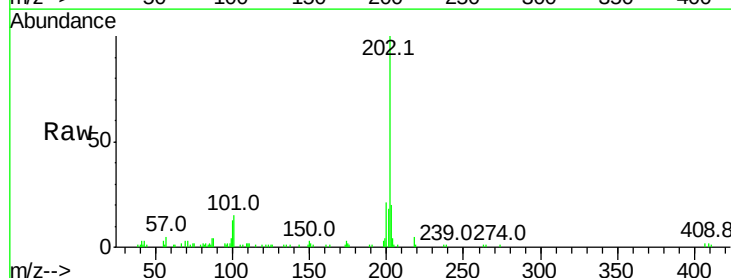
Tgt Ion:202 Resp: 43874

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

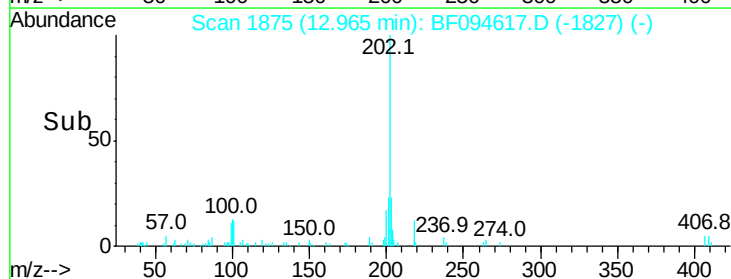
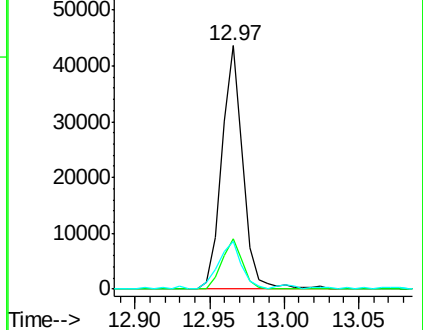
203 19.5 14.4 21.6

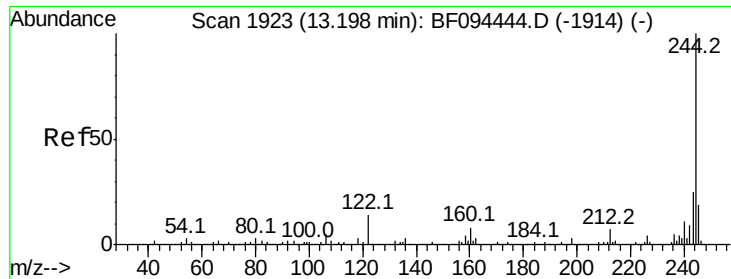


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.52 ng

RT: 13.18 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

Instrument :

BNA_F

ClientSampleId :

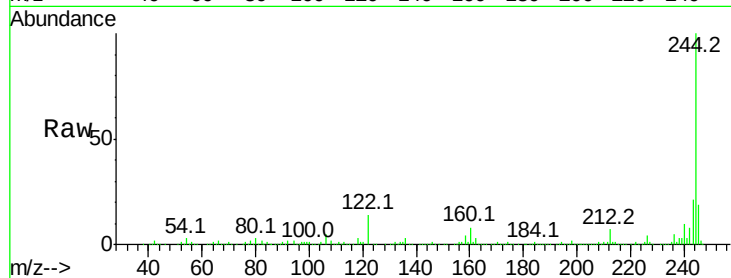
Tot Ion:244 Resp: 616064

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

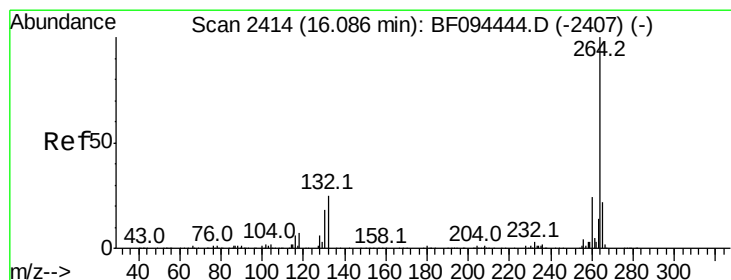
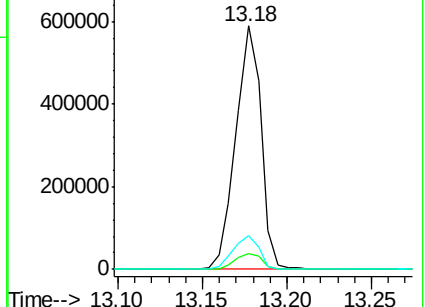
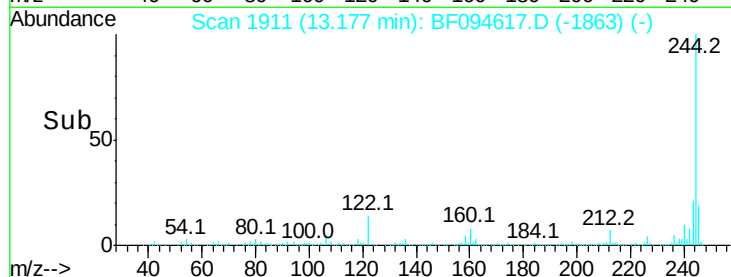
122 14.0 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BF094617.D

Acq: 25 Apr 2017 20:40

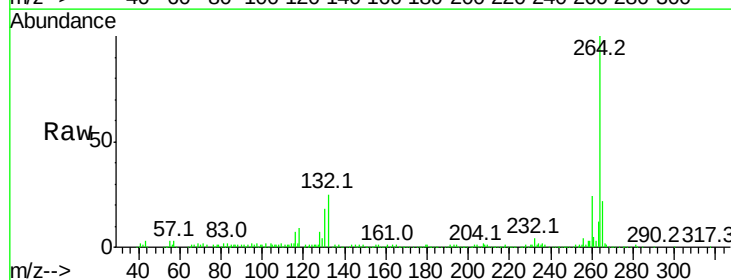
Tgt Ion:264 Resp: 225523

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

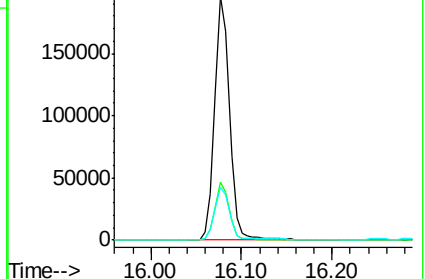
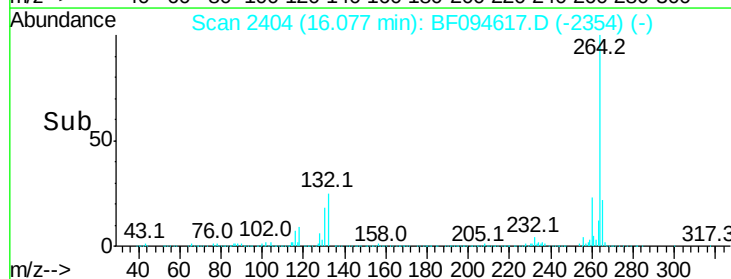
265 21.9 17.2 25.8

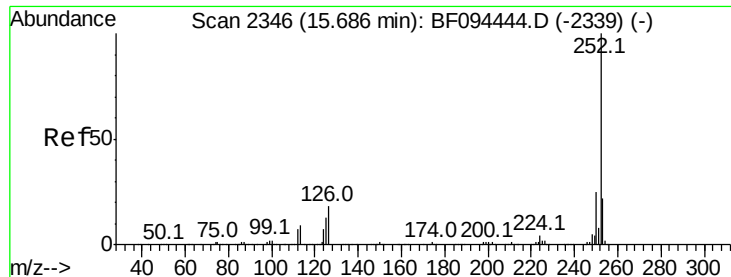


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

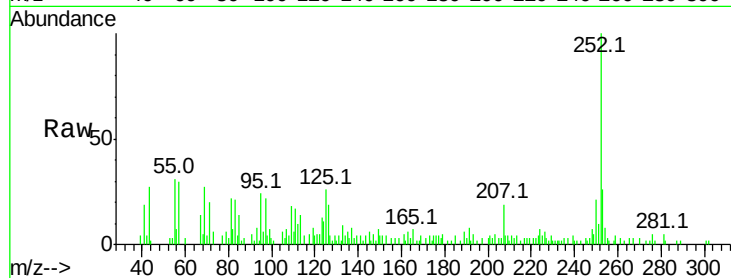




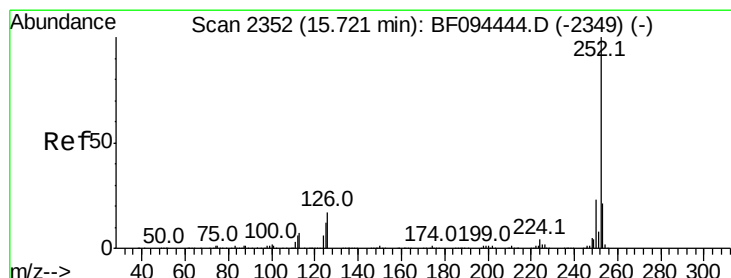
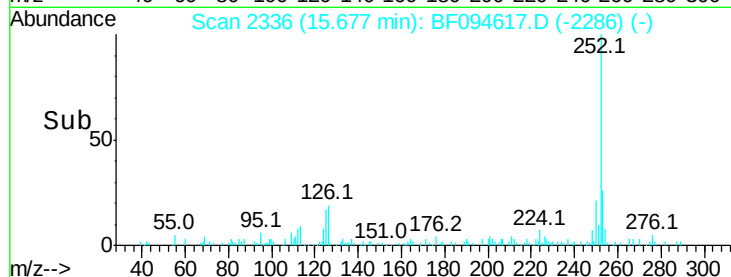
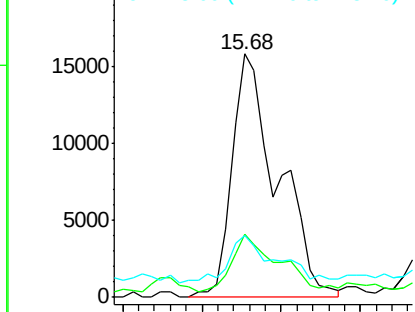
#87
Benzo(b)fluoranthene
Concen: 2.28 ng
RT: 15.68 min Scan# 2336
Delta R.T. -0.01 min
Lab File: BF094617.D
Acq: 25 Apr 2017 20:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 31468
Ion Ratio Lower Upper
252 100
253 26.2 18.1 27.1
125 25.6 9.8 14.8#

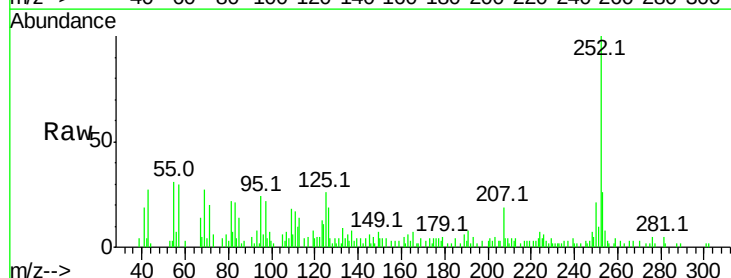


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.41 ng
RT: 15.68 min Scan# 2336
Delta R.T. -0.04 min
Lab File: BF094617.D
Acq: 25 Apr 2017 20:40

Tgt Ion:252 Resp: 31468
Ion Ratio Lower Upper
252 100
253 26.2 18.4 27.6
125 25.6 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

