

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094259.D
 Acq On : 7 Apr 2017 7:50
 Operator : SJ/MA
 Sample : I2542-16
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Quant Time: Apr 07 08:10:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

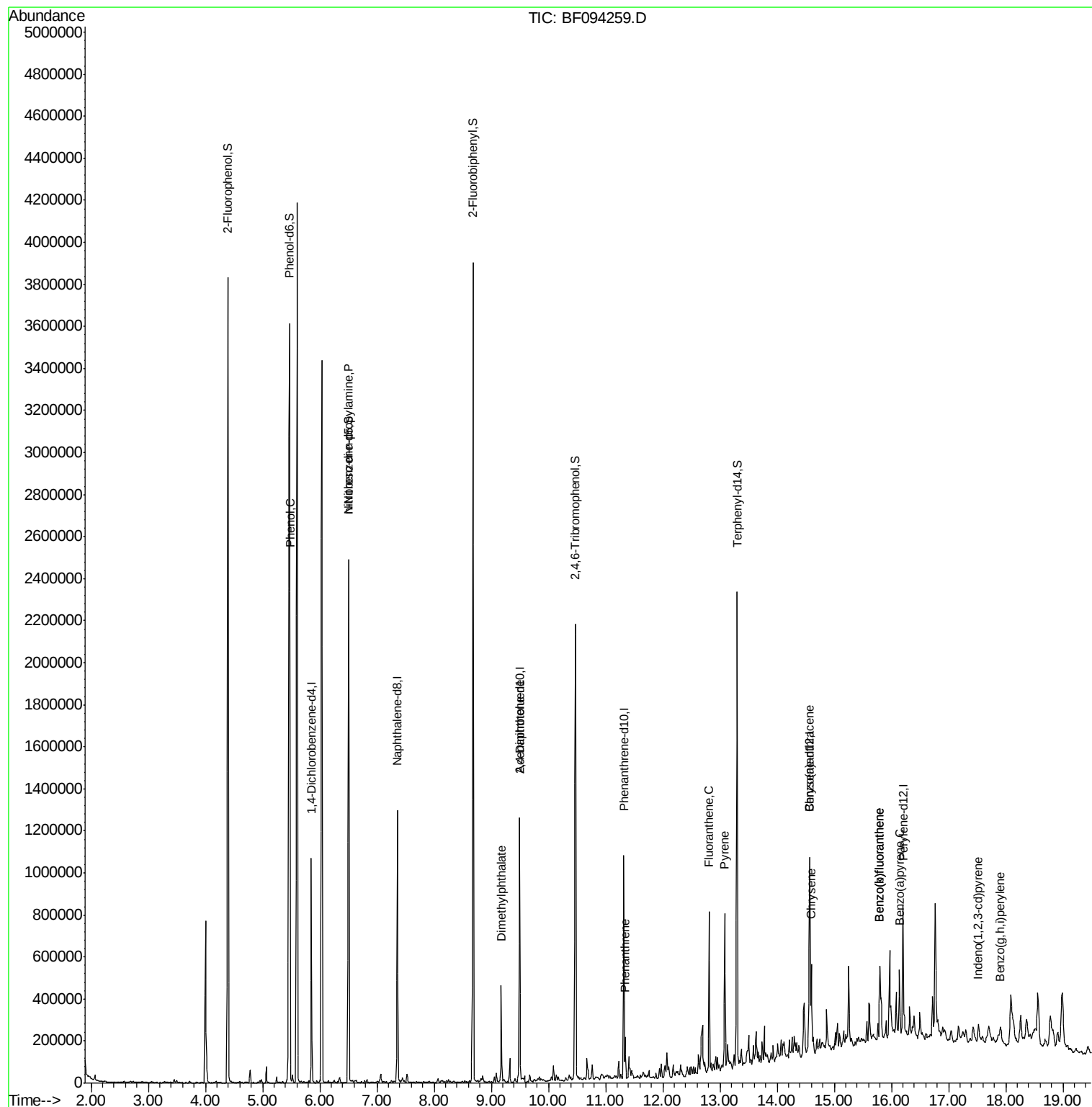
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	168546	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	662849	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	285531	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	446329	20.00	ng	0.00
75) Chrysene-d12	14.57	240	310267	20.00	ng	0.00
86) Perylene-d12	16.20	264	261881	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1345737	134.86	ng	0.01
7) Phenol-d6	5.47	99	1733506	140.42	ng	0.00
23) Nitrobenzene-d5	6.50	82	1073261	92.40	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	311156	137.90	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1417232	75.71	ng	0.00
78) Terphenyl-d14	13.30	244	761407	55.01	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.48	94	129351	9.21	ng	86
19) n-Nitroso-di-n-propylamine	6.50	70	143061	18.03	ng	# 78
49) Dimethylphthalate	9.17	163	195962	9.65	ng	98
56) 2,4-Dinitrotoluene	9.49	165	36840	6.30	ng	# 33
70) Phenanthrene	11.35	178	70593	2.84	ng	98
74) Fluoranthene	12.81	202	326664	12.85	ng	99
77) Pyrene	13.09	202	303554	13.48	ng	98
80) Benzo(a)anthracene	14.56	228	199284	11.01	ng	98
82) Chrysene	14.60	228	177423	10.57	ng	97
85) Indeno(1,2,3-cd)pyrene	17.52	276	54638	3.76	ng	96
87) Benzo(b)fluoranthene	15.80	252	254995	15.89	ng	97
88) Benzo(k)fluoranthene	15.80	252	254995	16.24	ng	98
89) Benzo(a)pyrene	16.14	252	121456	8.22	ng	97
91) Benzo(g,h,i)perylene	17.91	276	50770	4.02	ng	96

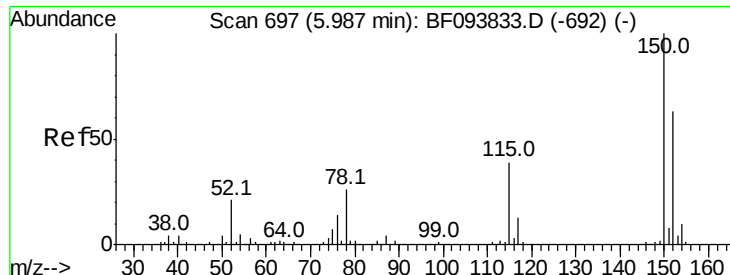
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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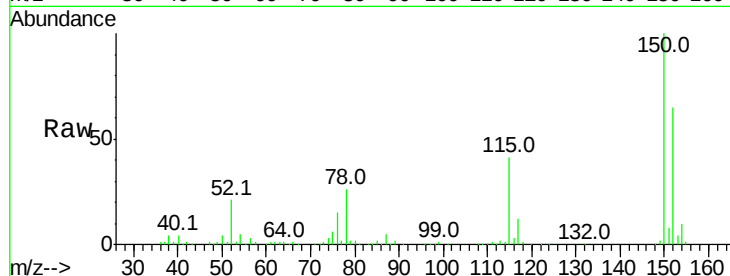


#1

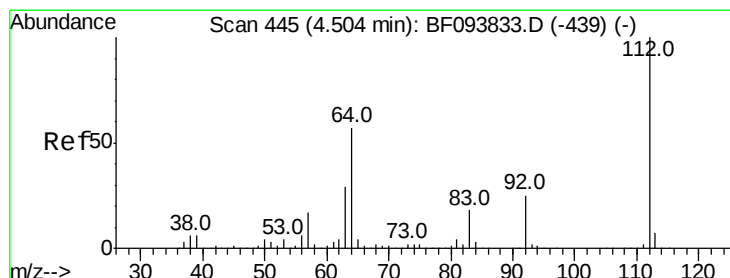
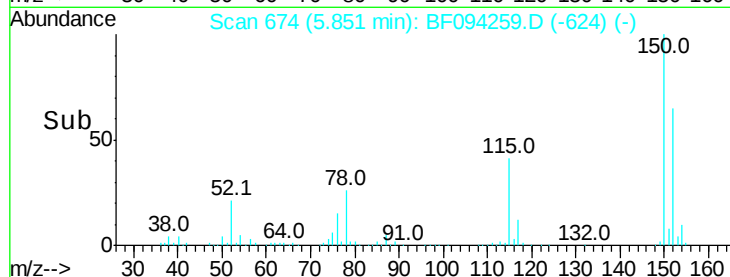
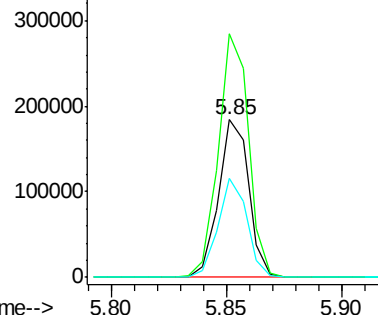
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tot Ion:152 Resp: 168546
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.2
115 62.9 52.2 78.2



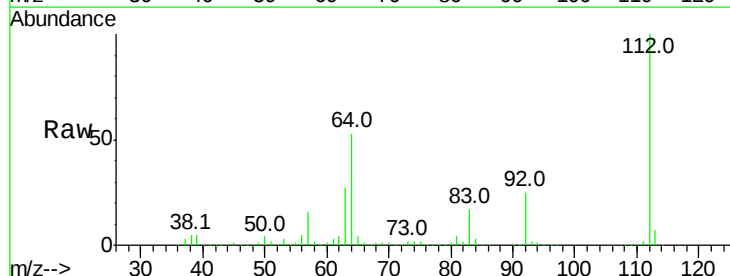
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



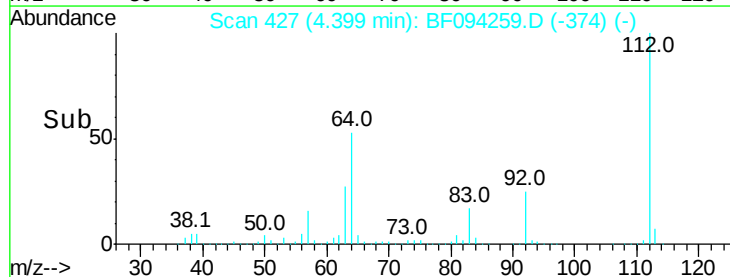
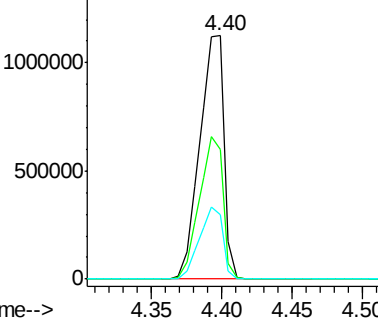
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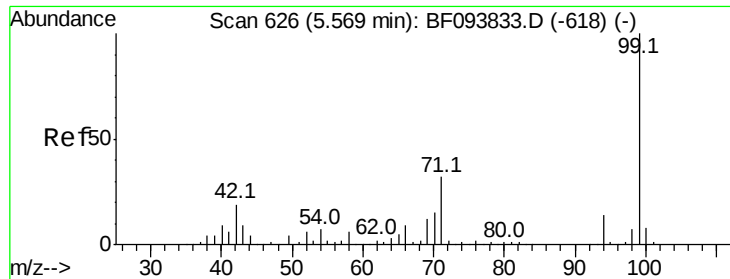
2-Fluorophenol
Concen: 134.86 ng
RT: 4.40 min Scan# 427
Delta R.T. 0.01 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Tgt Ion:112 Resp: 1345737
Ion Ratio Lower Upper
112 100
64 53.3 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: 140.42 ng

RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Instrument :

BNA_F

ClientSampleId :

COMP-3

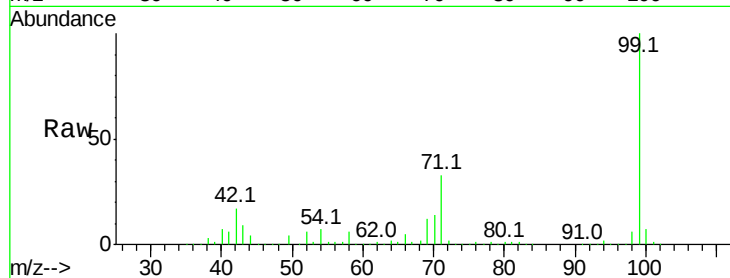
Tot Ion: 99 Resp: 1733506

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

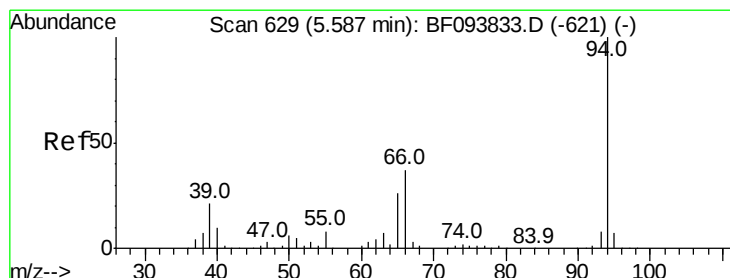
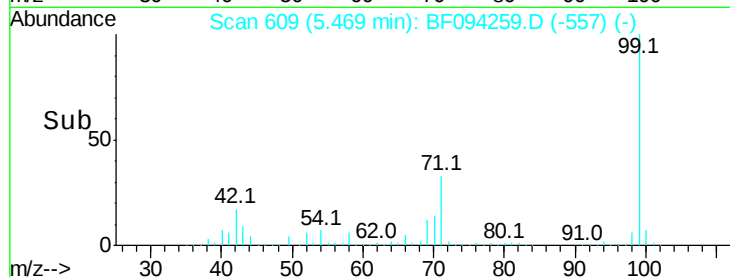
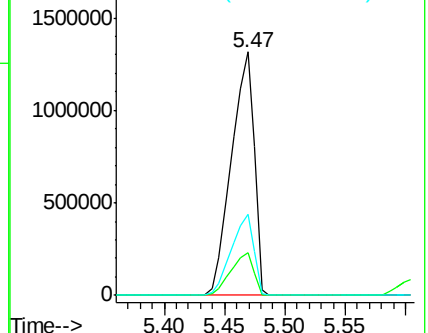
71 33.5 24.5 36.7



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: 9.21 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

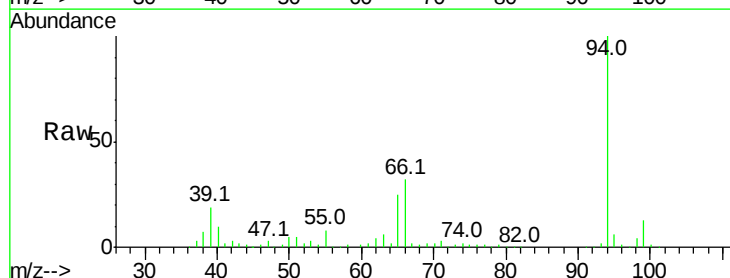
Tgt Ion: 94 Resp: 129351

Ion Ratio Lower Upper

94 100

65 24.5 9.9 49.9

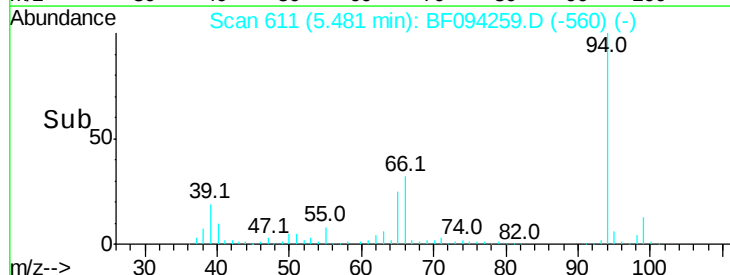
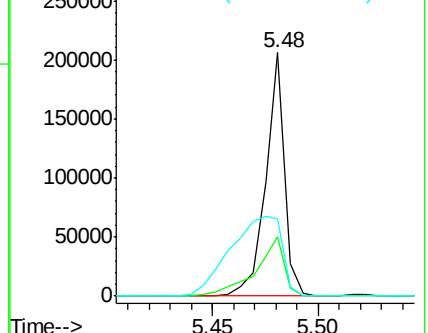
66 31.8 23.1 63.1

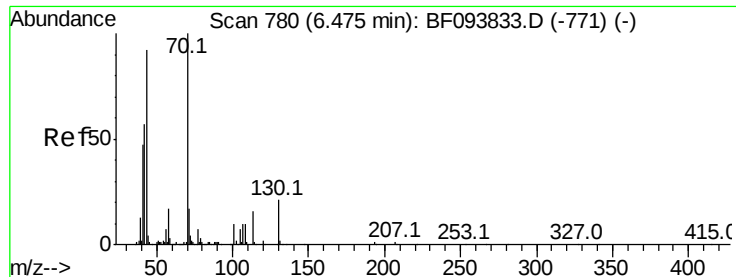


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 18.03 ng

RT: 6.50 min Scan# 785

Delta R.T. 0.16 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Instrument :

BNA_F

ClientSampleId :

COMP-3

Tot Ion: 70 Resp: 143061

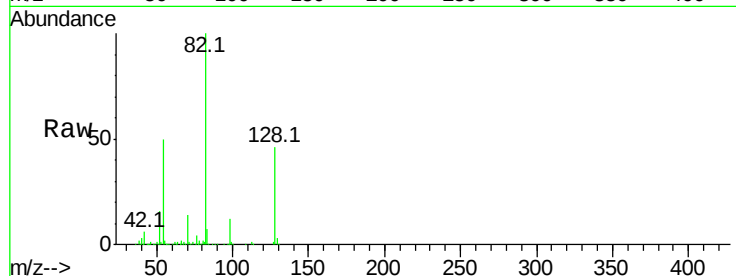
Ion Ratio Lower Upper

70 100

42 46.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

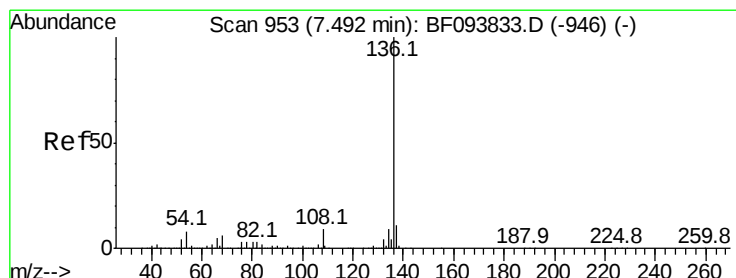
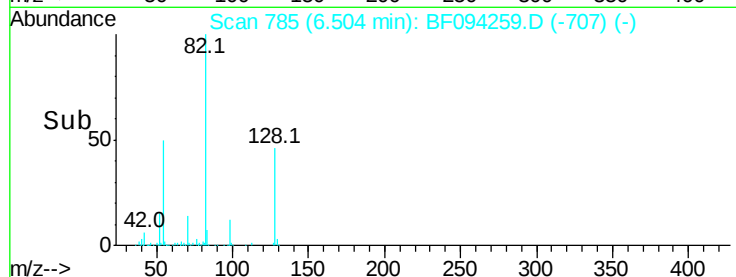
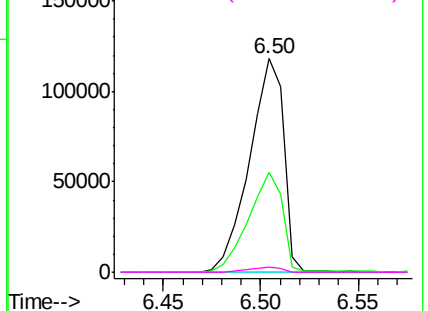


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.36 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Tgt Ion: 136 Resp: 662849

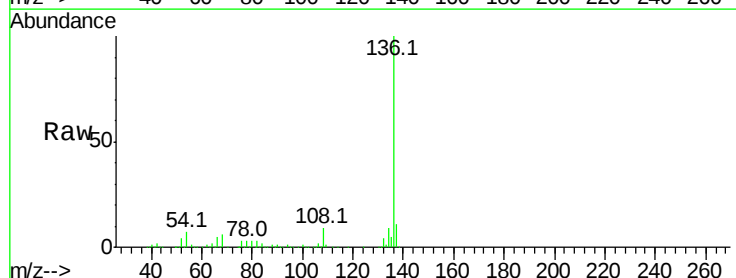
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.1 4.9 7.3

68 5.9 4.1 6.1

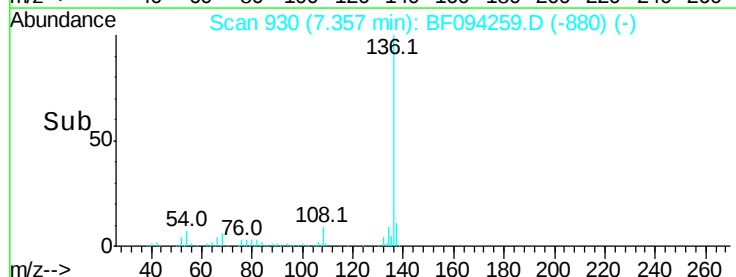
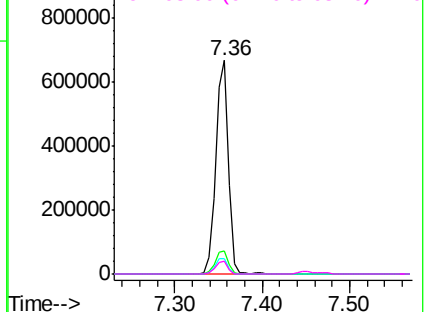


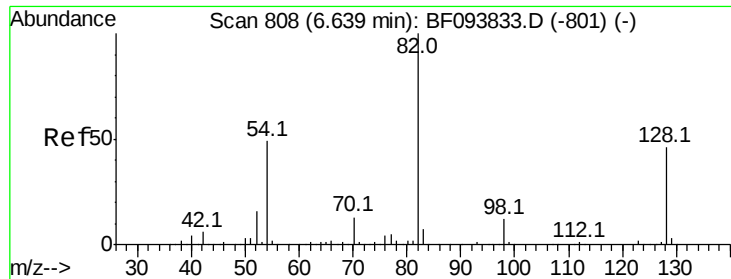
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

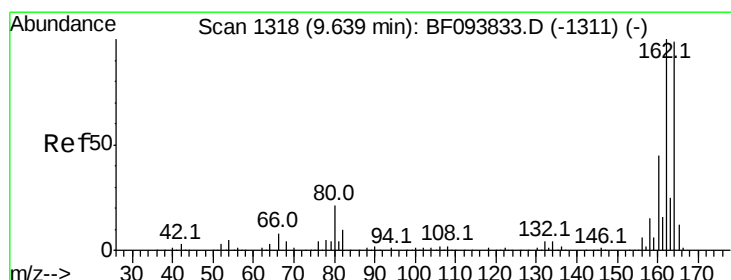
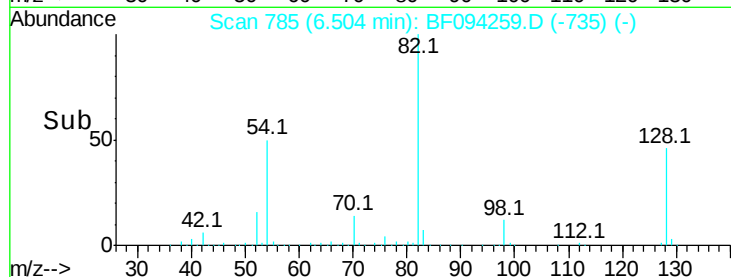
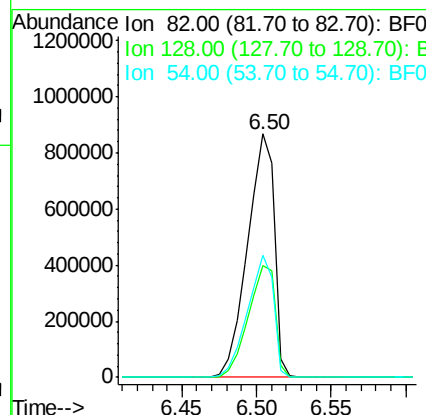
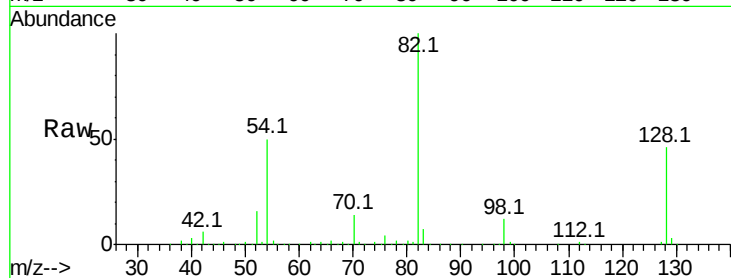




#23
 Nitrobenzene-d5
 Concen: 92.40 ng
 RT: 6.50 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

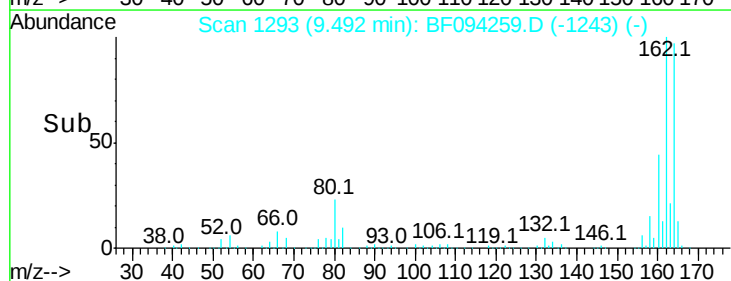
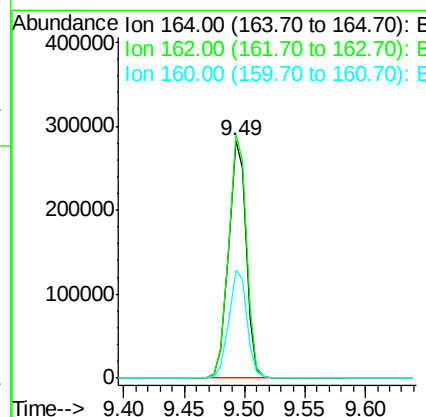
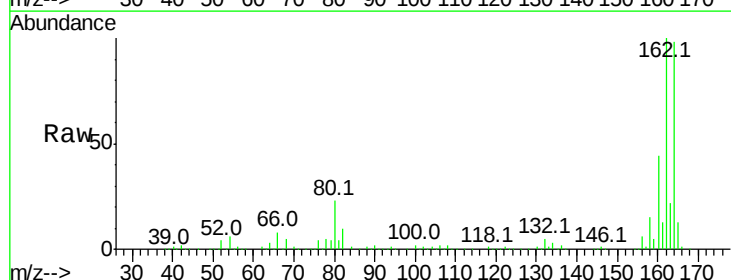
Instrument :
 BNA_F
 ClientSampleID :
 COMP-3

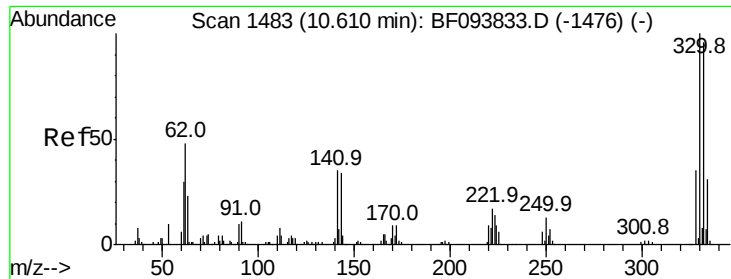
Tot Ion: 82 Resp: 1073261
 Ion Ratio Lower Upper
 82 100
 128 46.0 34.0 51.0
 54 50.2 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

Tgt Ion:164 Resp: 285531
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.6 123.8
 160 45.4 36.2 54.2

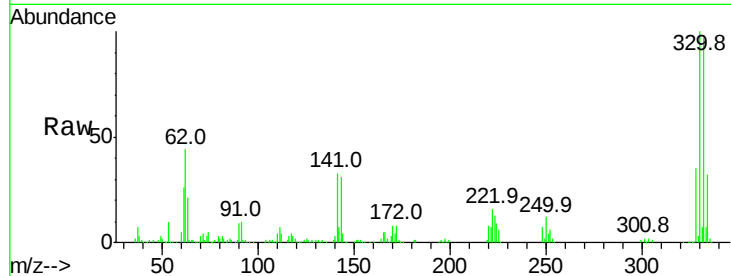




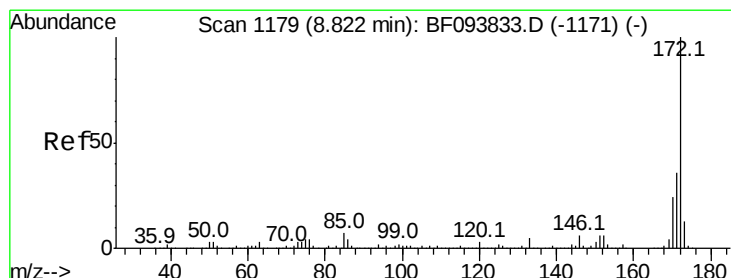
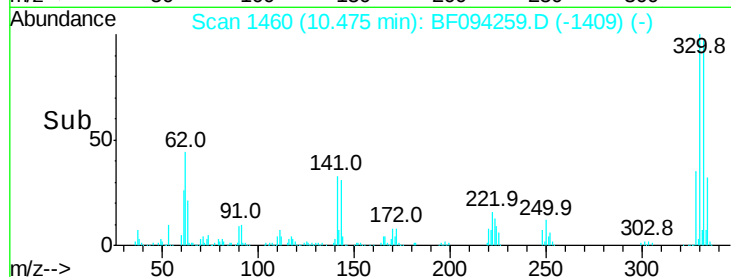
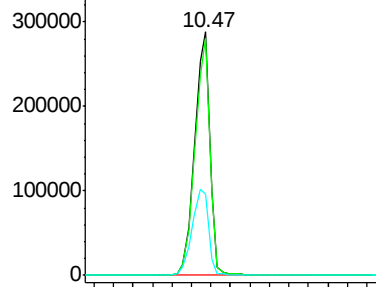
#41
 2,4,6-Tribromophenol
 Concen: 137.90 ng
 RT: 10.47 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Tot Ion:330 Resp: 311156
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 38.6 31.4 47.2

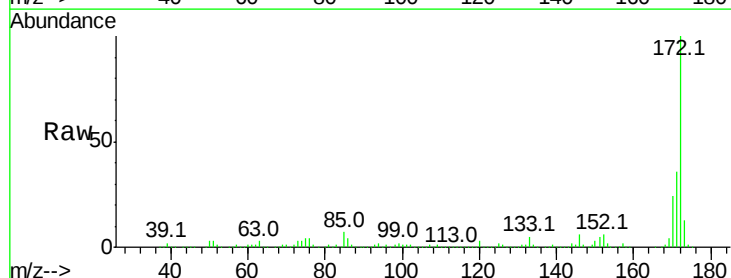


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

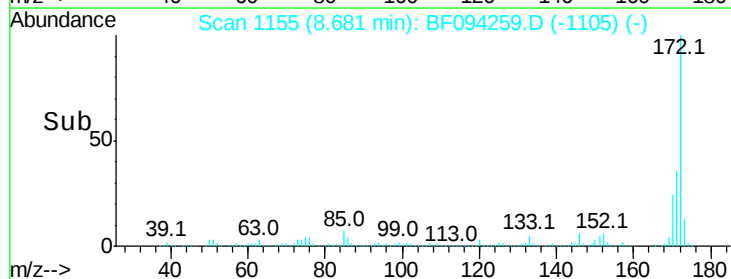
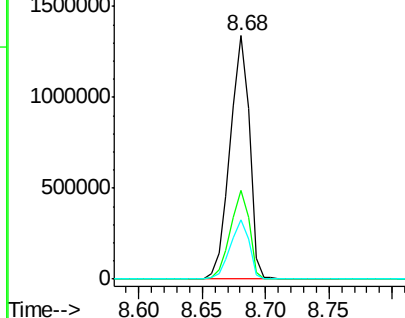


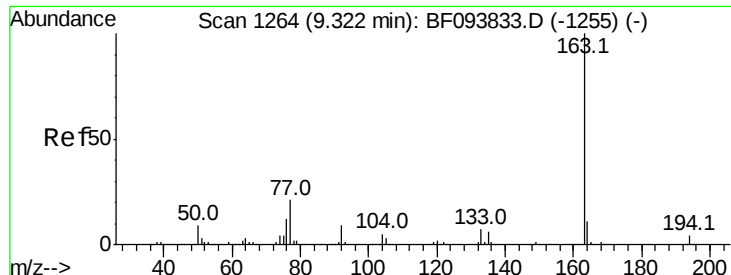
#44
 2-Fluorobiphenyl
 Concen: 75.71 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

Tgt Ion:172 Resp: 1417232
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.1 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

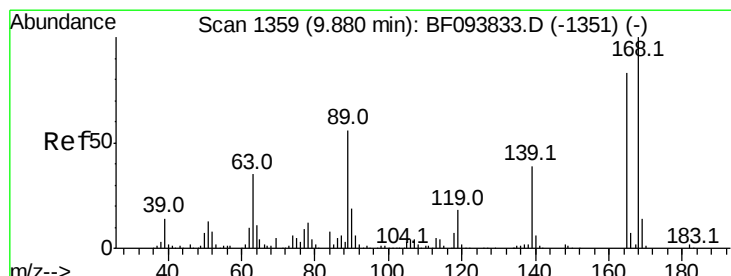
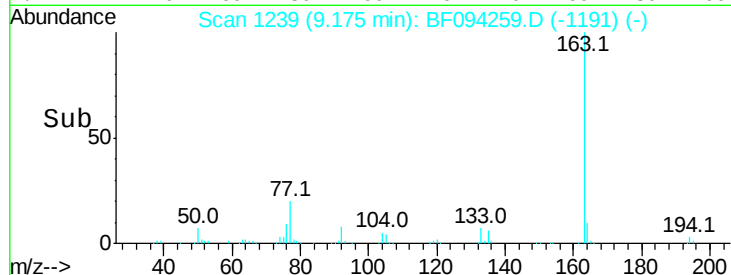
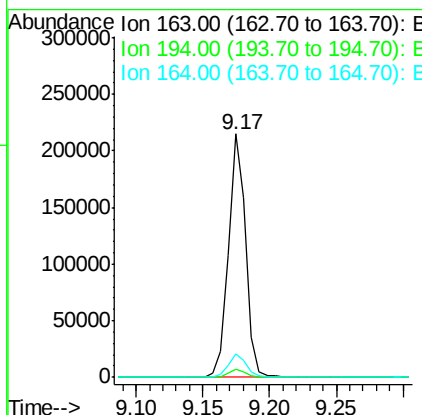
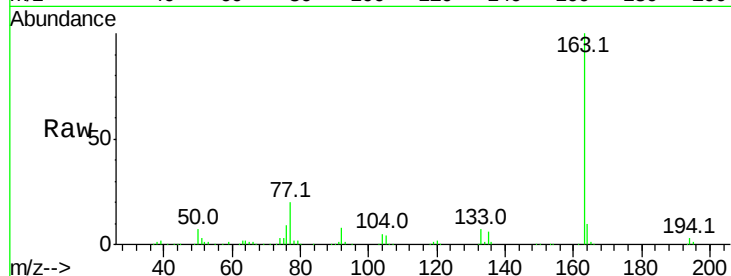




#49
 Dimethylphthalate
 Concen: 9.65 ng
 RT: 9.17 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

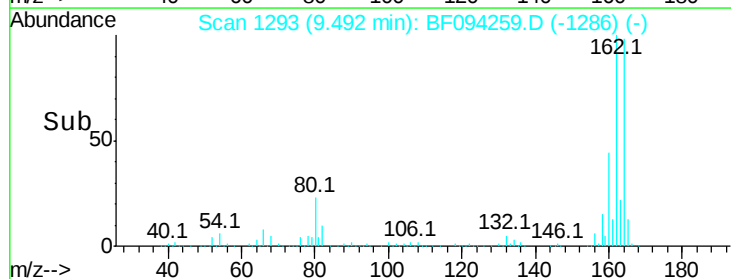
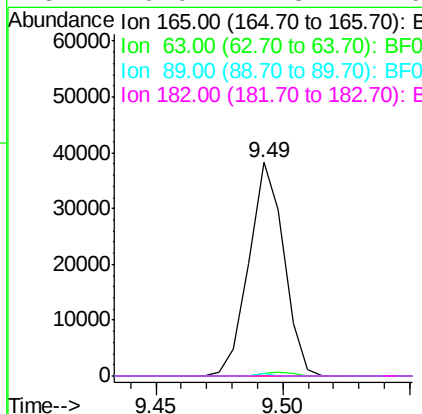
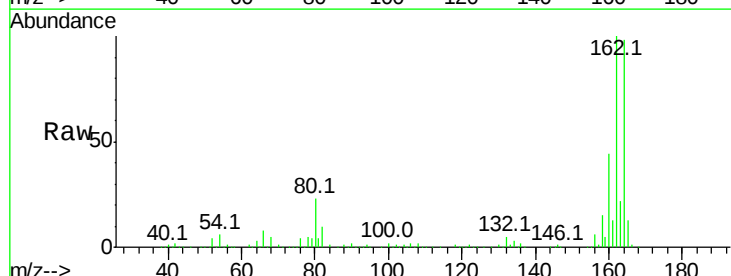
Instrument :
 BNA_F
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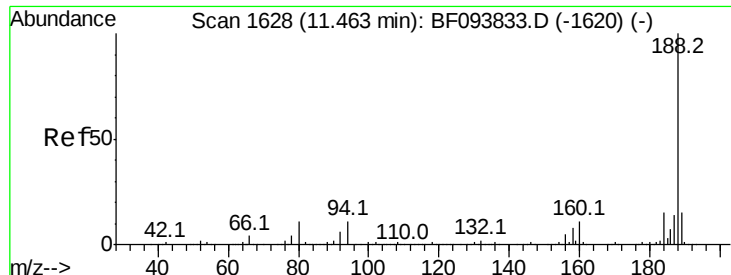
Tot Ion:163	Resp:	195962
Ion Ratio	Lower	Upper
163	100	
194	3.5	2.6 4.0
164	9.6	8.4 12.6



#56
 2,4-Dinitrotoluene
 Concen: 6.30 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.26 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

Tgt Ion:165	Resp:	36840
Ion Ratio	Lower	Upper
165	100	
63	1.5	25.4 38.0#
89	1.3	46.4 69.6#
182	0.0	1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Instrument :

BNA_F

ClientSampled :

COMP-3

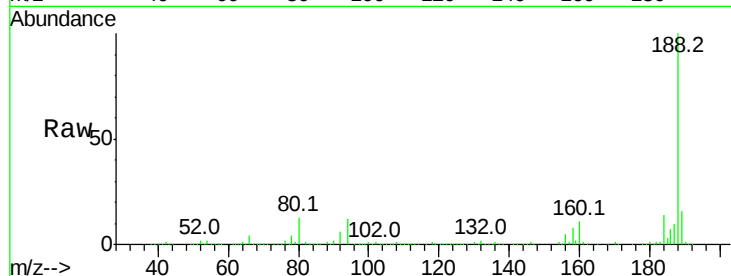
Tot Ion:188 Resp: 446329

Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

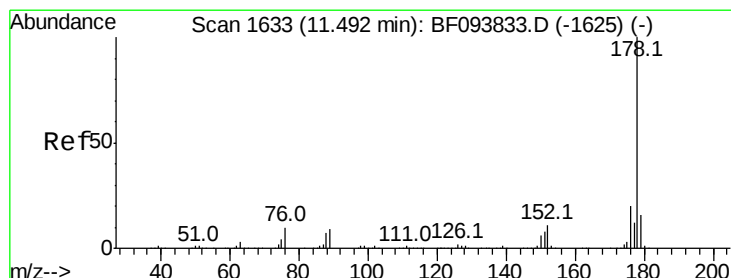
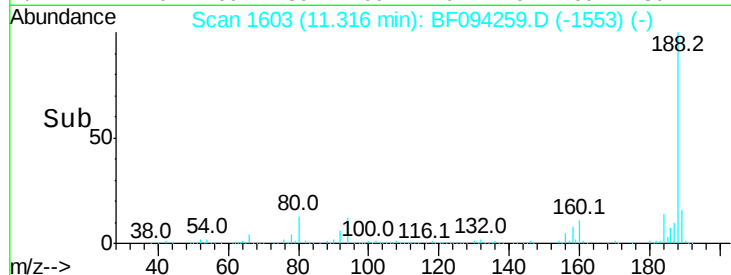
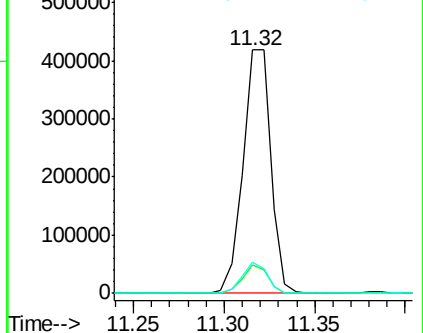
80 12.8 10.2 15.2



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: 2.84 ng

RT: 11.35 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

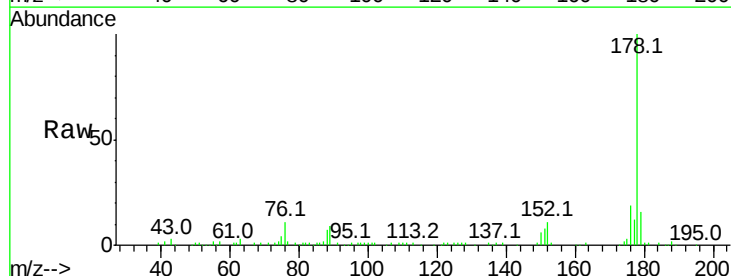
Tgt Ion:178 Resp: 70593

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.4

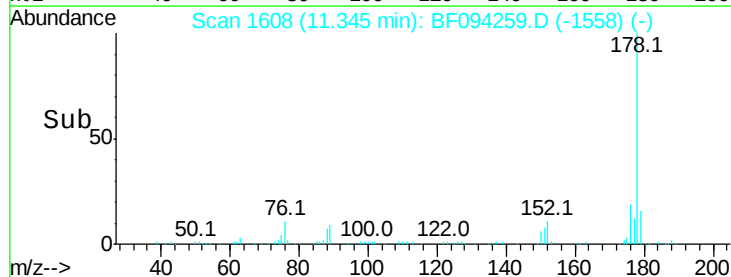
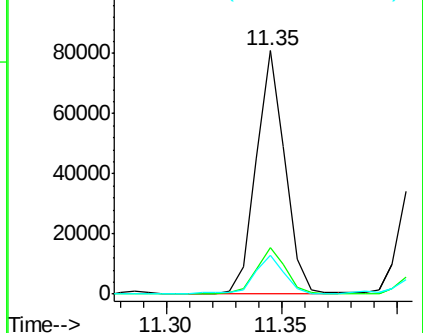
179 15.9 12.6 19.0

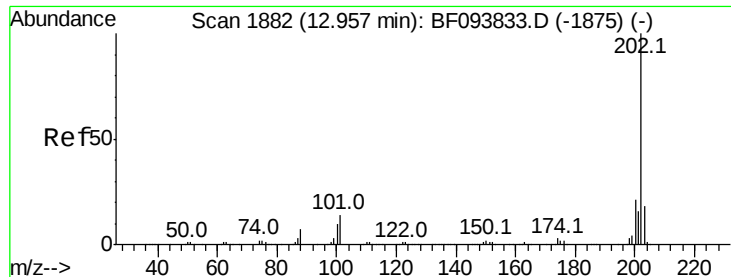


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

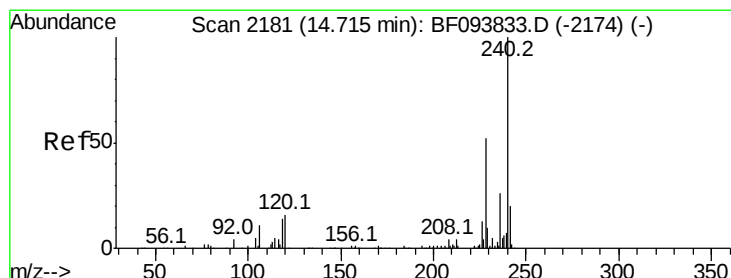
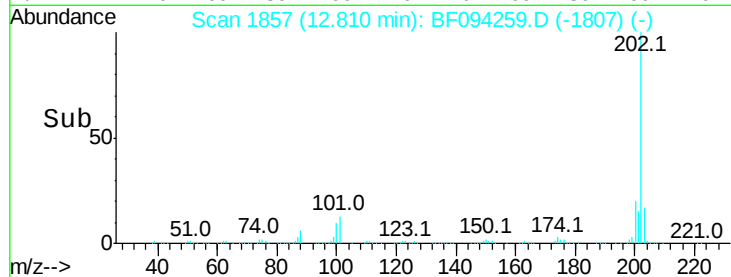
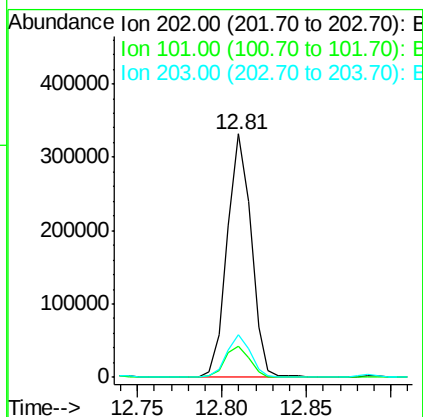
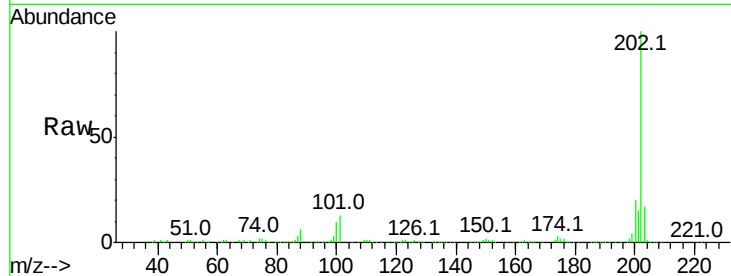




#74
Fluoranthene
Concen: 12.85 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

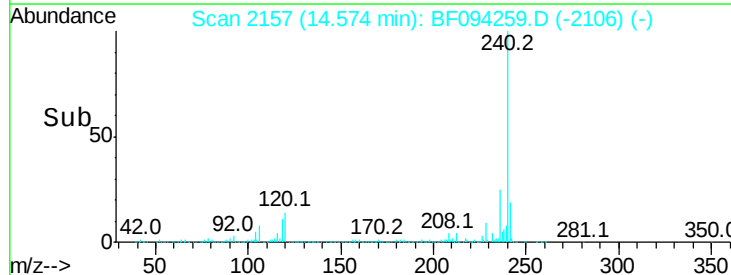
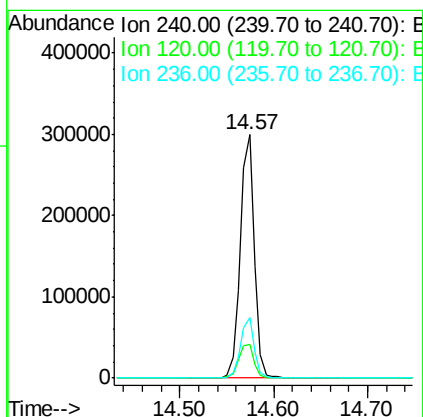
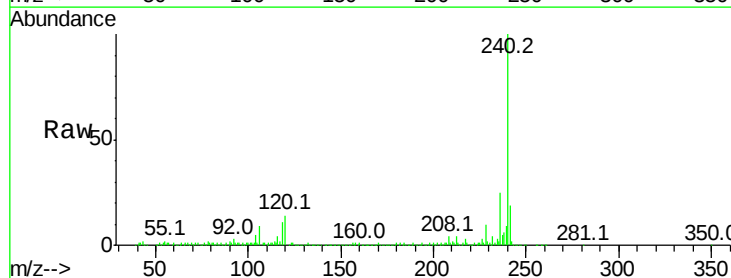
Instrument :
BNA_F
ClientSampleId :
COMP-3

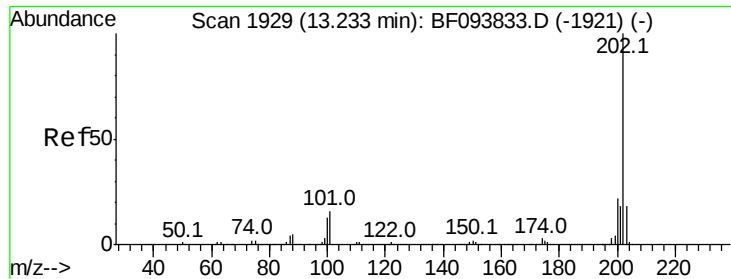
Tot Ion:202 Resp: 326664
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 17.3 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.57 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Tgt Ion:240 Resp: 310267
Ion Ratio Lower Upper
240 100
120 13.9 5.8 8.8#
236 25.0 20.5 30.7

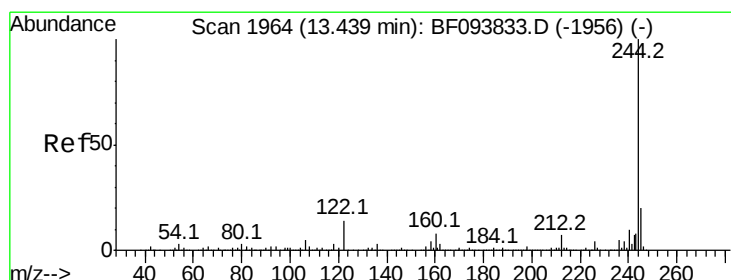
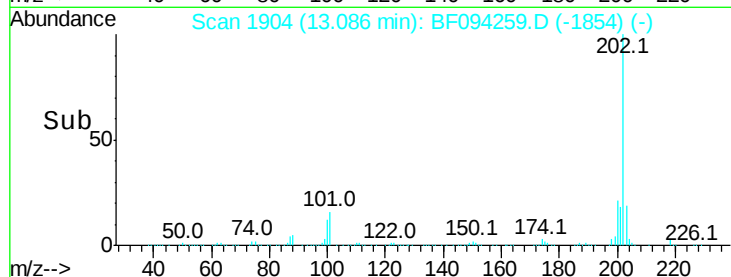
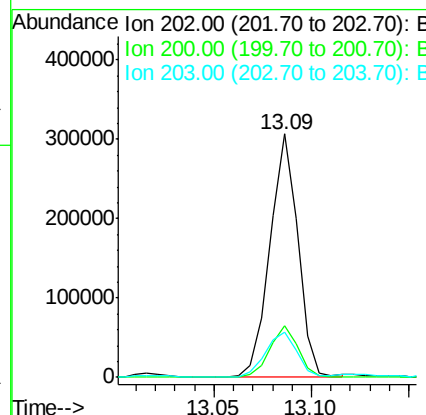
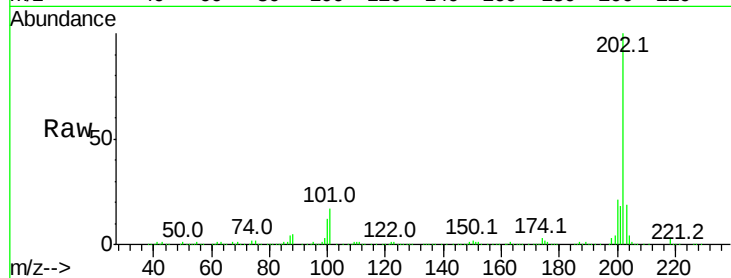




#77
Pvrene
Concen: 13.48 ng
RT: 13.09 min Scan# 1904
Delta R.T. -0.01 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

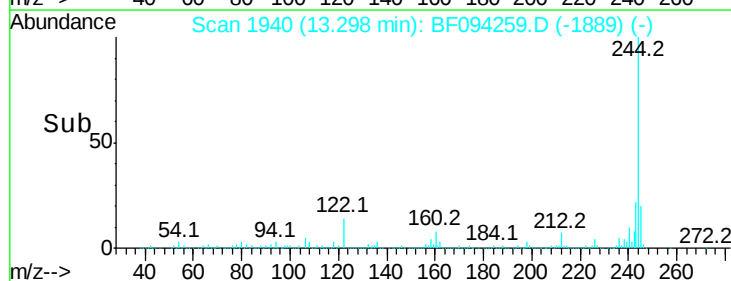
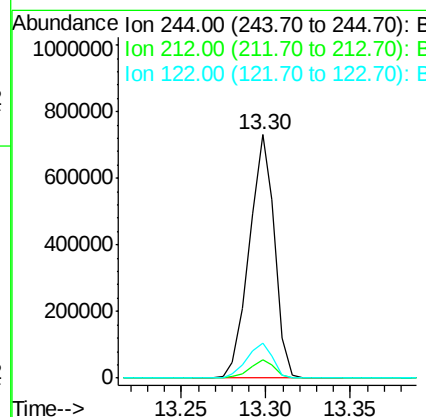
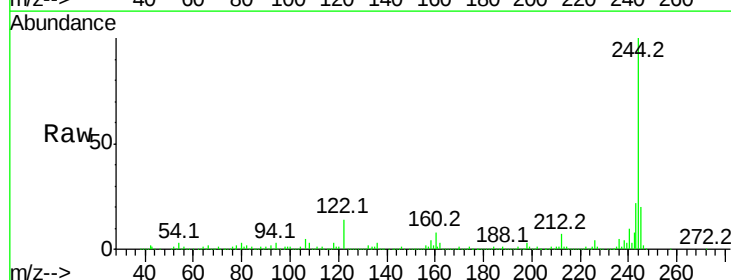
Instrument :
BNA_F
ClientSampleId :
COMP-3

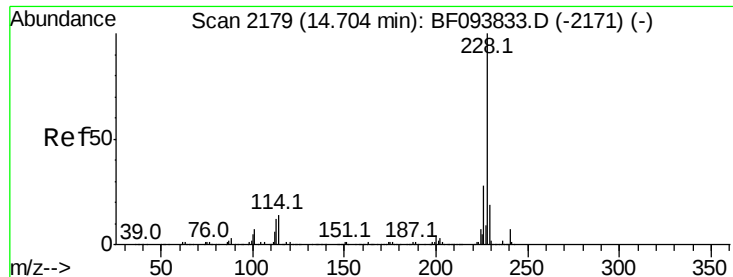
Tot Ion:202 Resp: 303554
Ion Ratio Lower Upper
202 100
200 21.2 17.6 26.4
203 18.8 14.4 21.6



#78
Terphenyl-d14
Concen: 55.01 ng
RT: 13.30 min Scan# 1940
Delta R.T. 0.00 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Tgt Ion:244 Resp: 761407
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 14.1 10.3 15.5

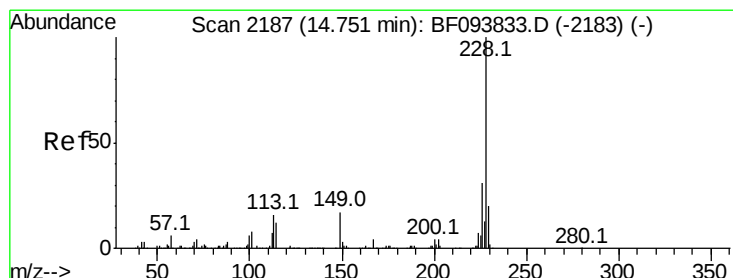
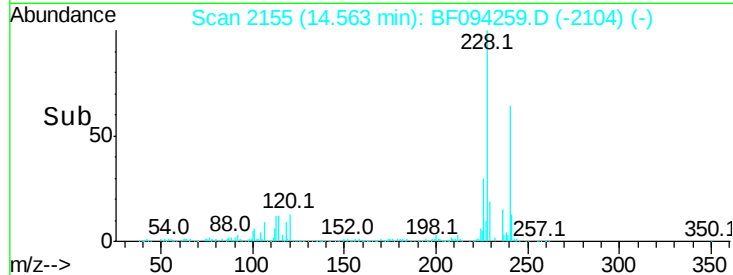
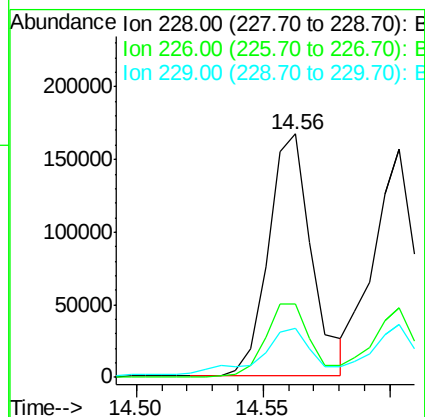
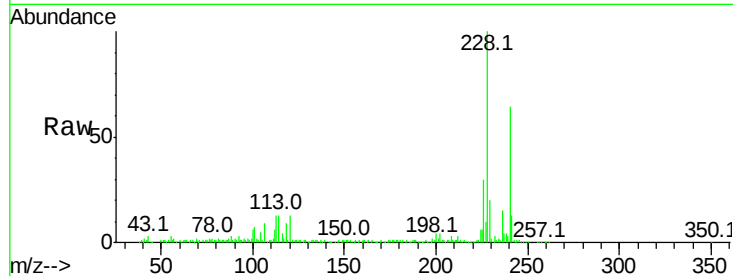




#80
Benzo(a)anthracene
Concen: 11.01 ng
RT: 14.56 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

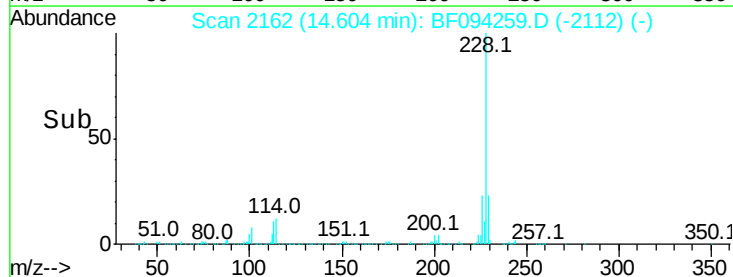
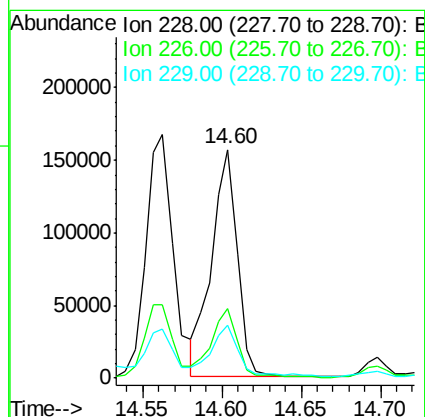
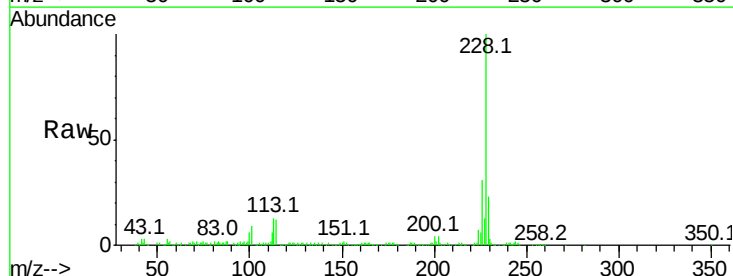
Instrument :
BNA_F
ClientSampleId :
COMP-3

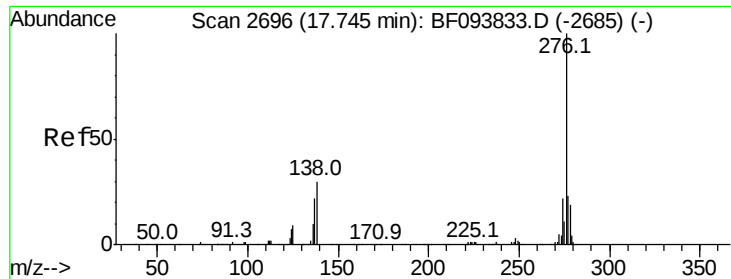
Tot Ion:228 Resp: 199284
Ion Ratio Lower Upper
228 100
226 30.2 22.6 33.8
229 20.2 16.3 24.5



#82
Chrysene
Concen: 10.57 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Tgt Ion:228 Resp: 177423
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 23.0 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.76 ng

RT: 17.52 min Scan# 2658

Delta R.T. -0.00 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Instrument :

BNA_F

ClientSampleId :

COMP-3

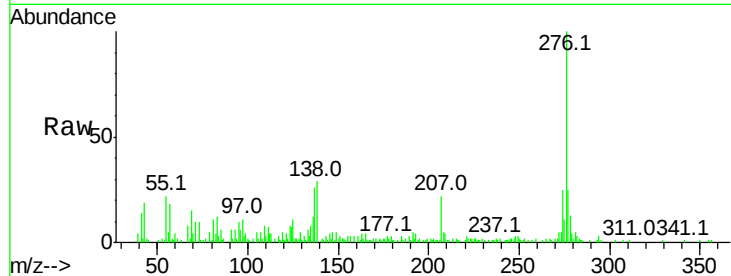
Tot Ion:276 Resp: 54638

Ion Ratio Lower Upper

276 100

138 32.9 27.8 41.6

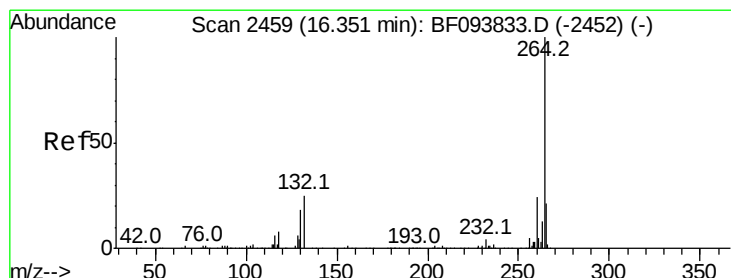
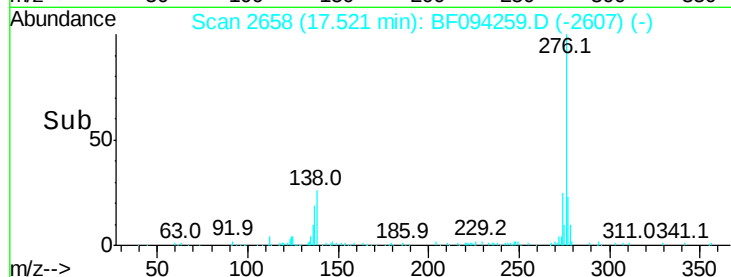
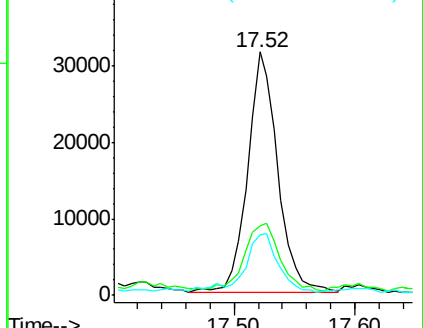
277 28.3 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.20 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

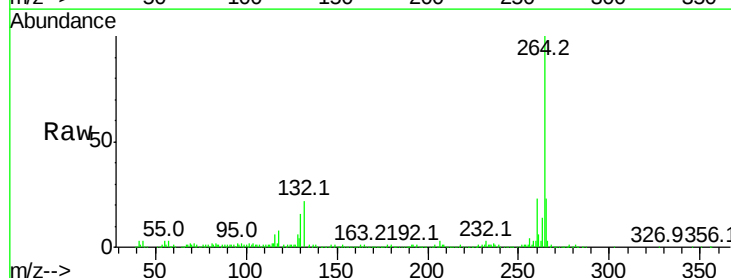
Tgt Ion:264 Resp: 261881

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

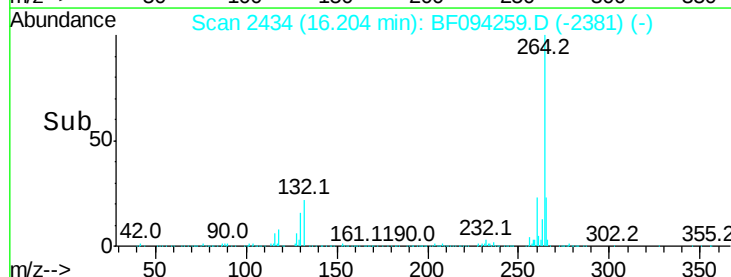
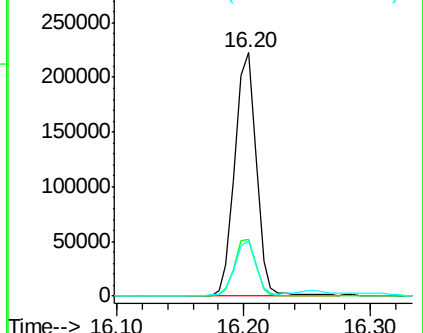
265 22.8 17.2 25.8

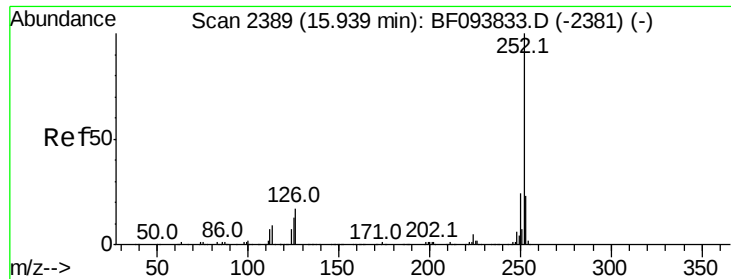


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 15.89 ng

RT: 15.80 min Scan# 2365

Delta R.T. 0.01 min

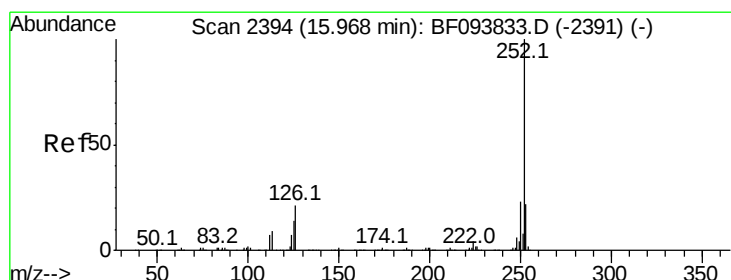
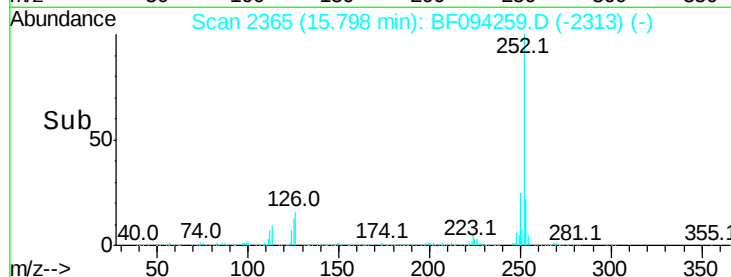
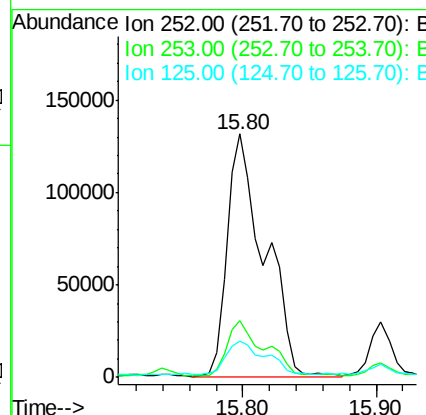
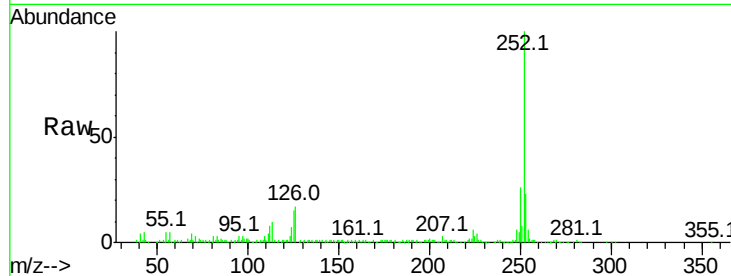
Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tot Ion:252 Resp: 254995

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	14.7	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 16.24 ng

RT: 15.80 min Scan# 2365

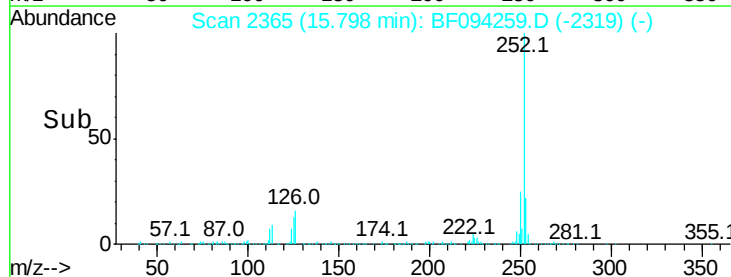
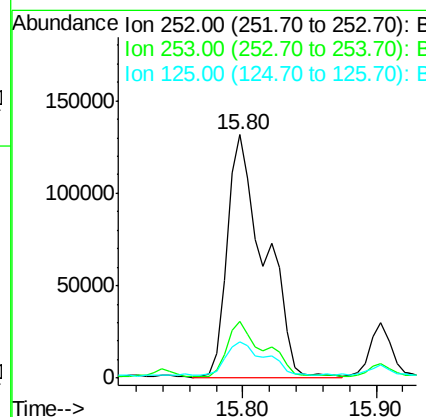
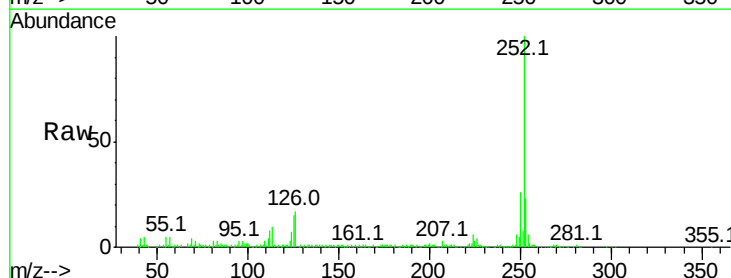
Delta R.T. -0.03 min

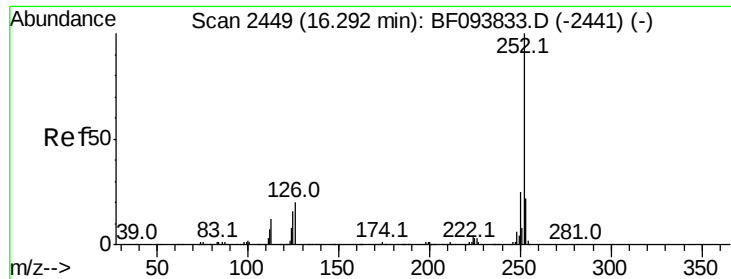
Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Tgt Ion:252 Resp: 254995

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	14.7	13.1	19.7





#89

Benzo(a)pyrene

Concen: 8.22 ng

RT: 16.14 min Scan# 2423

Delta R.T. -0.00 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Instrument :

BNA_F

ClientSampleId :

COMP-3

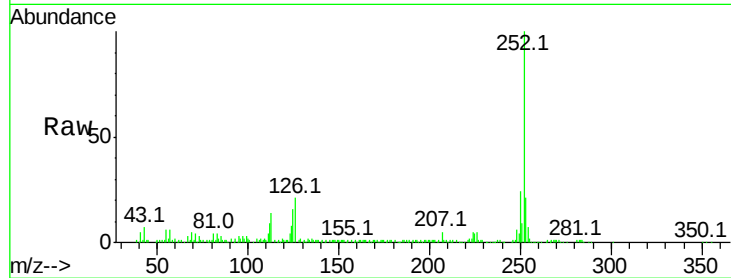
Tot Ion:252 Resp: 121456

Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

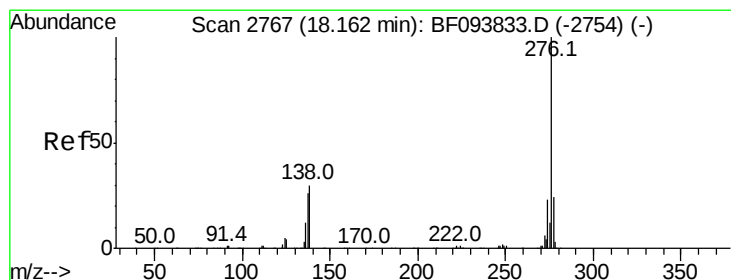
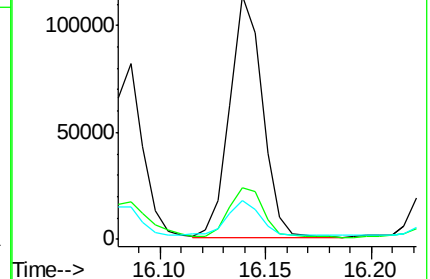
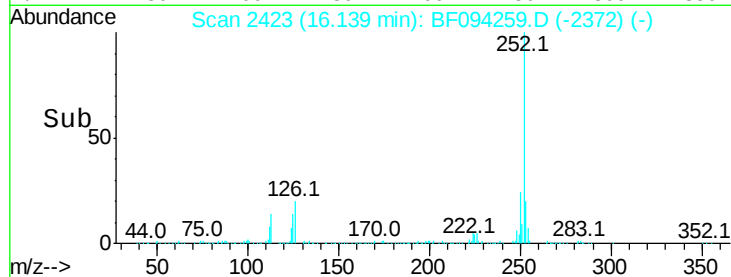
125 15.8 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 4.02 ng

RT: 17.91 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

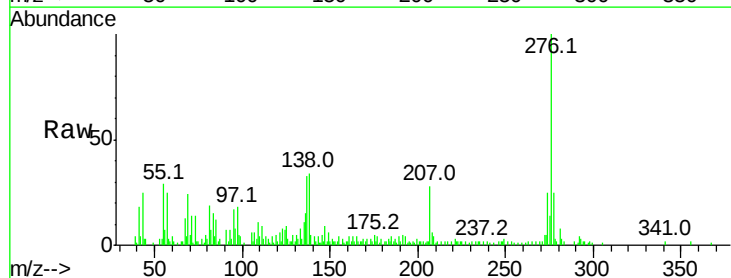
Tgt Ion:276 Resp: 50770

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 34.3 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

