

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
 Data File : BF093253.D
 Acq On : 28 Feb 2017 17:23
 Operator : SJ/MA
 Sample : I2017-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 17:51:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	142516	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	528636	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	234674	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	374651	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	328348	20.00	ng	-0.05
86) Perylene-d12	15.39	264	270798	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	896352	107.90	ng	-0.03
7) Phenol-d6	6.46	99	1129244	105.65	ng	-0.02
23) Nitrobenzene-d5	7.38	82	687343	72.41	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	157742	92.94	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1089935	84.14	ng	-0.05
78) Terphenyl-d14	12.91	244	678536	48.56	ng	-0.06

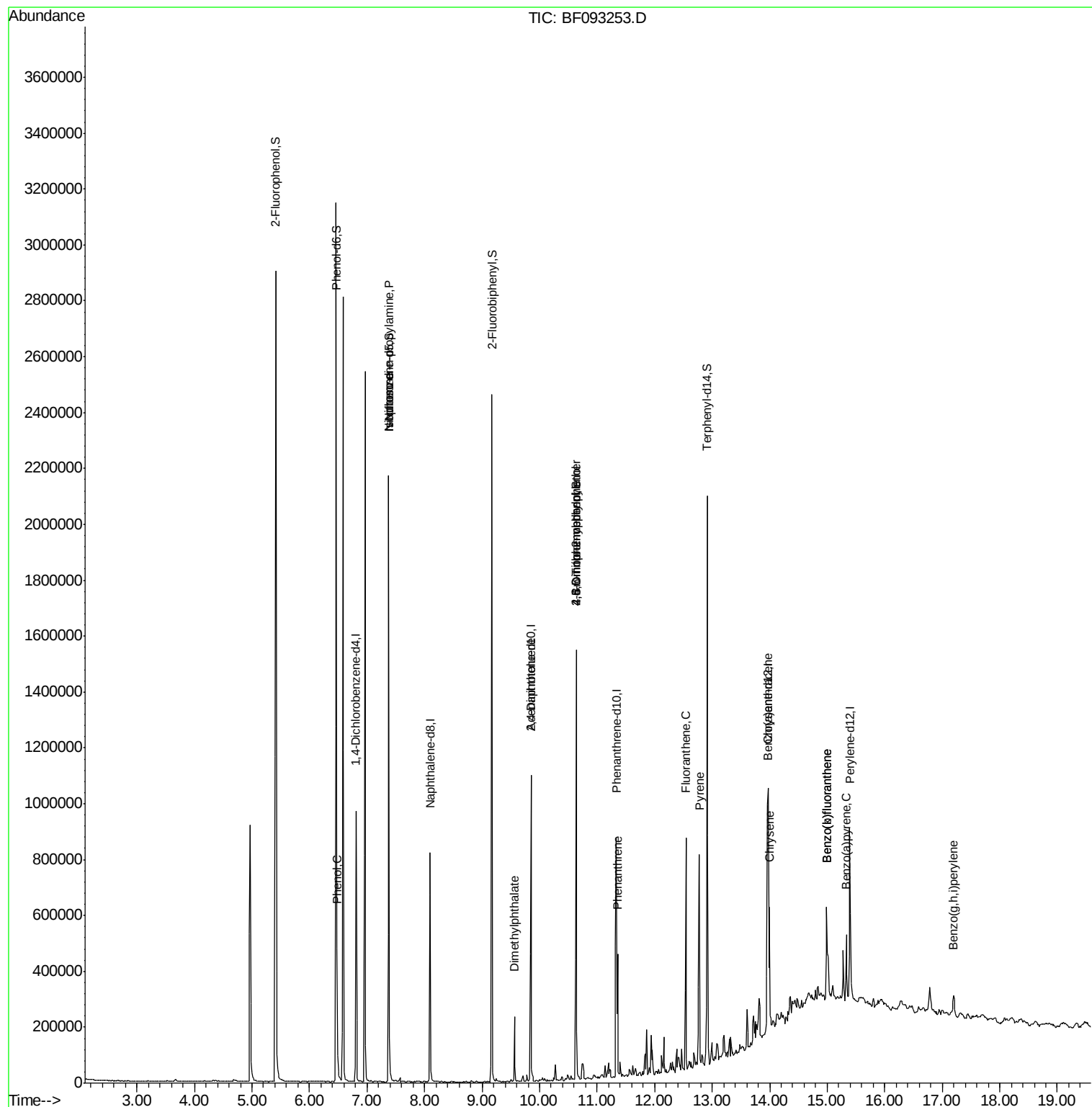
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.48	94	85806	6.86	ng	# 67
19) n-Nitroso-di-n-propylamine	7.38	70	93211	13.70	ng	# 80
25) Isophorone	7.38	82	560436	31.68	ng	# 65
49) Dimethylphthalate	9.56	163	93451	5.91	ng	99
56) 2,4-Dinitrotoluene	9.85	165	29818	6.56	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.64	198	330	2.81	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	12216	3.12	ng	# 1
70) Phenanthrene	11.36	178	191090	8.90	ng	95
74) Fluoranthene	12.55	202	337194	15.23	ng	95
77) Pyrene	12.77	202	320650	13.05	ng	98
80) Benzo(a)anthracene	13.96	228	156357	7.79	ng	98
82) Chrysene	14.00	228	161703	8.60	ng	99
87) Benzo(b)fluoranthene	14.99	252	233012	13.07	ng	97
88) Benzo(k)fluoranthene	14.99	252	233012	15.14	ng	# 96
89) Benzo(a)pyrene	15.33	252	106202	6.89	ng	97
91) Benzo(g,h,i)perylene	17.20	276	47574	3.78	ng	# 89

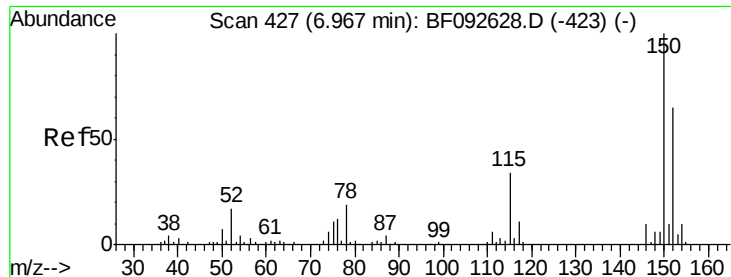
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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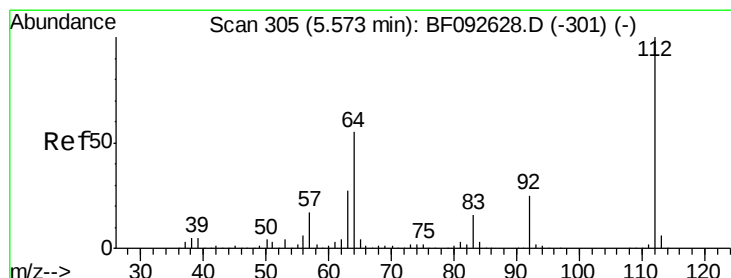
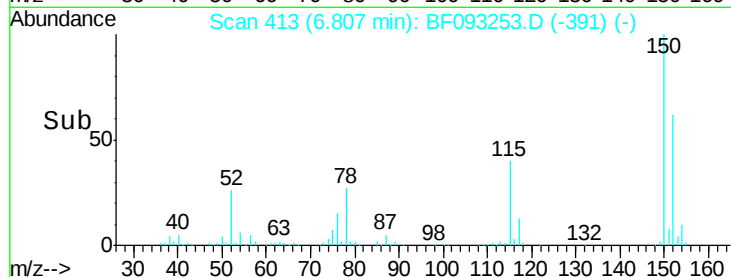
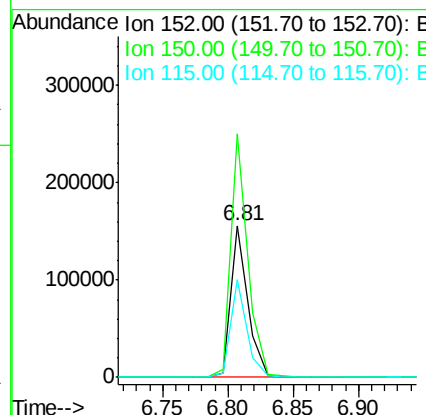
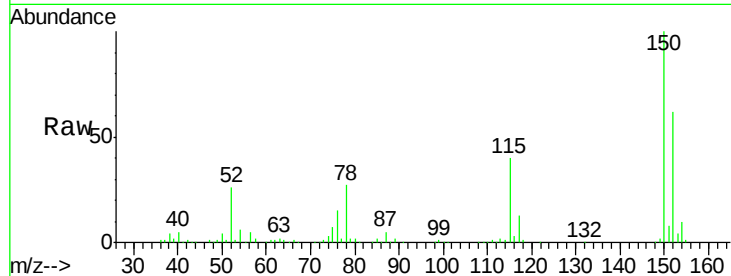


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Instrument :
BNA_F
ClientSampleId :

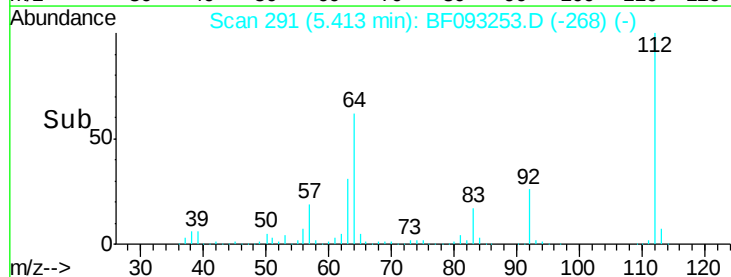
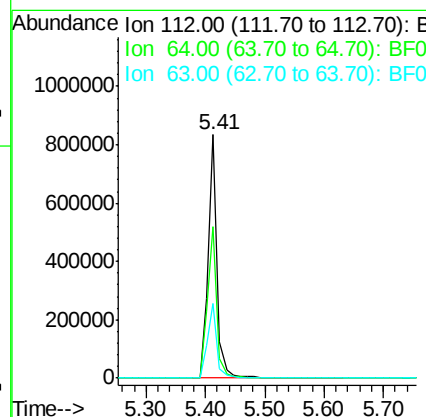
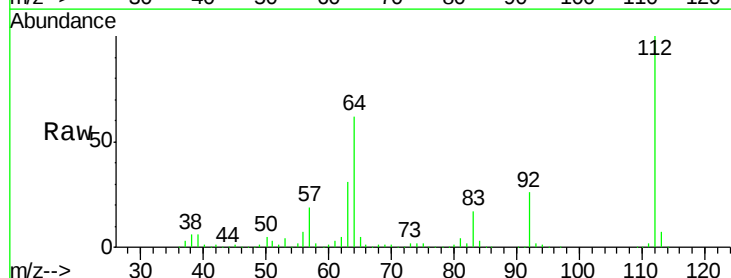
Tot Ion:152 Resp: 142516
Ion Ratio Lower Upper
152 100
150 160.2 124.9 187.3
115 64.4 46.0 69.0



#5

2-Fluorophenol
Concen: 107.90 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion:112 Resp: 896352
Ion Ratio Lower Upper
112 100
64 62.2 46.1 69.1
63 30.6 23.8 35.6





#7

Phenol-d6

Concen: 105.65 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Instrument :

BNA_F

ClientSampled :

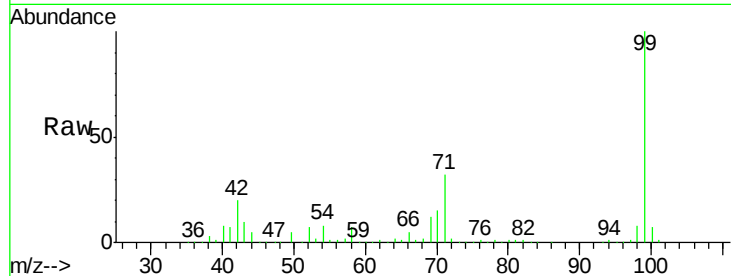
Tot Ion: 99 Resp: 1129244

Ion Ratio Lower Upper

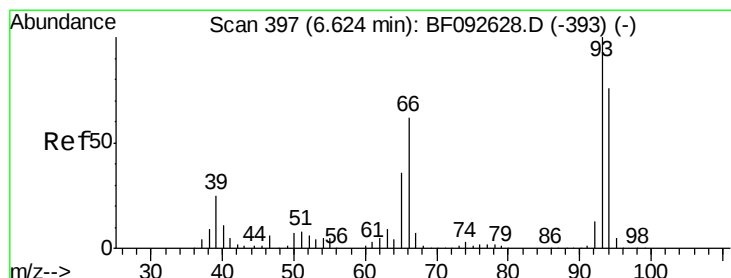
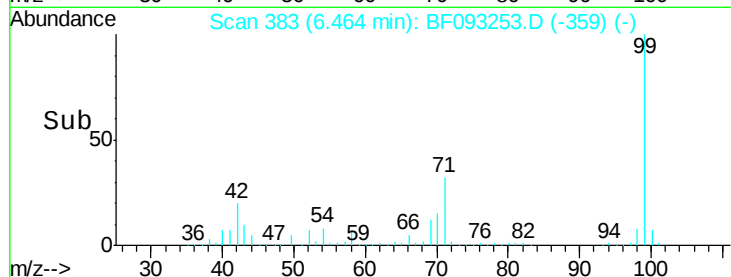
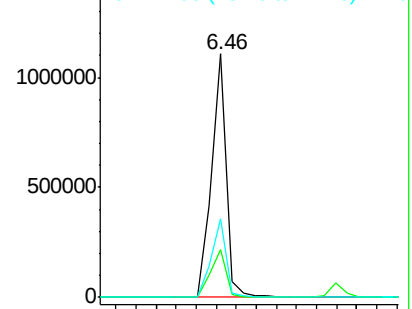
99 100

42 19.6 15.6 23.4

71 32.4 27.5 41.3



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: 6.86 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

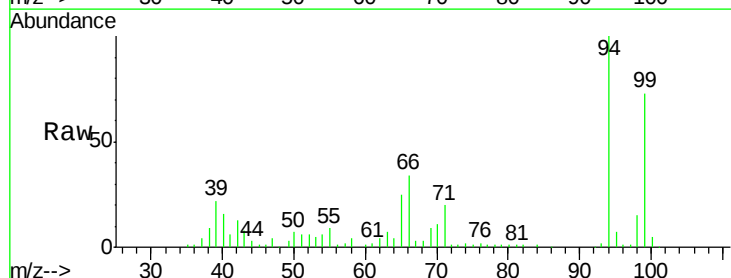
Tgt Ion: 94 Resp: 85806

Ion Ratio Lower Upper

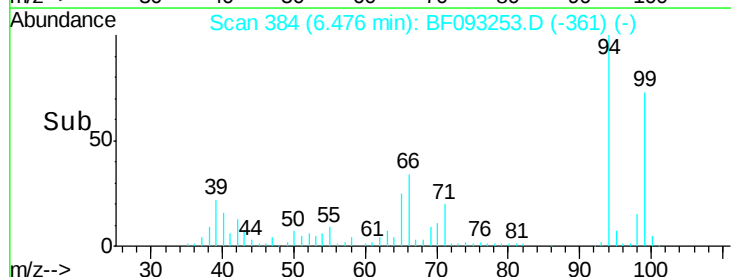
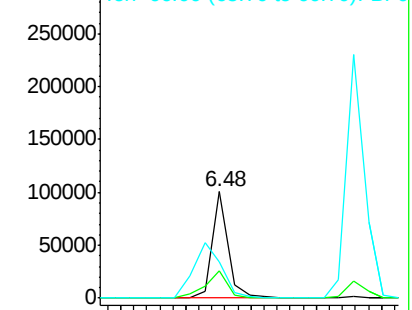
94 100

65 25.4 21.4 61.4

66 34.3 44.0 84.0#



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

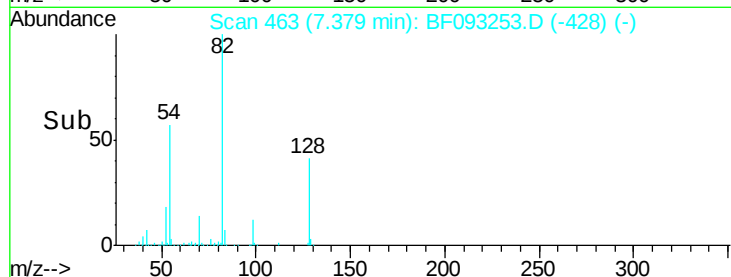
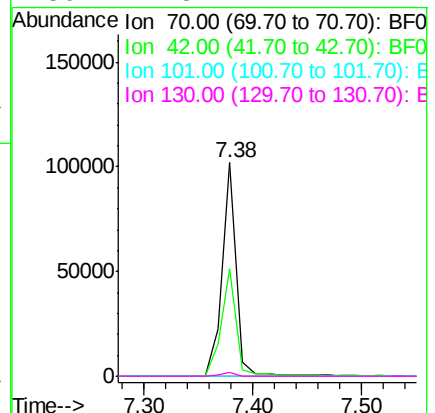
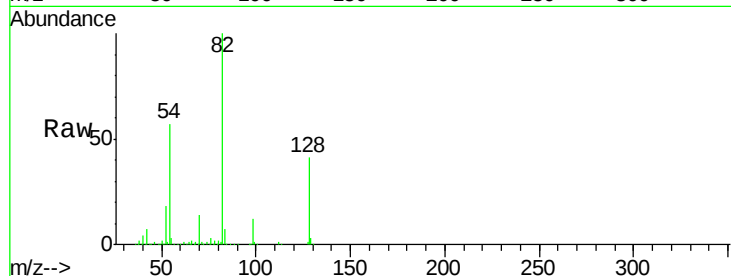




#19
n-Nitroso-di-n-propylamine
Concen: 13.70 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.10 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

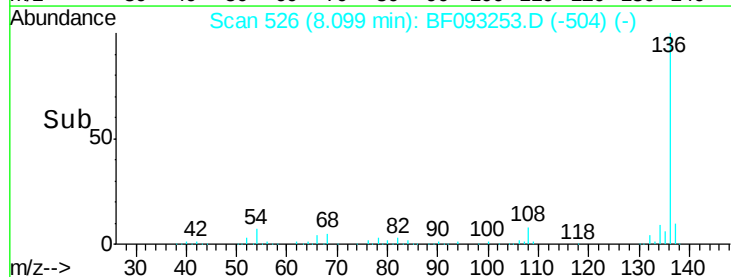
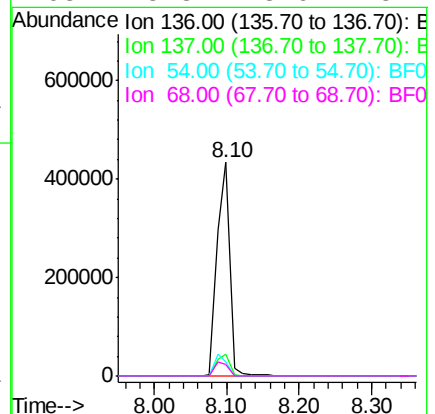
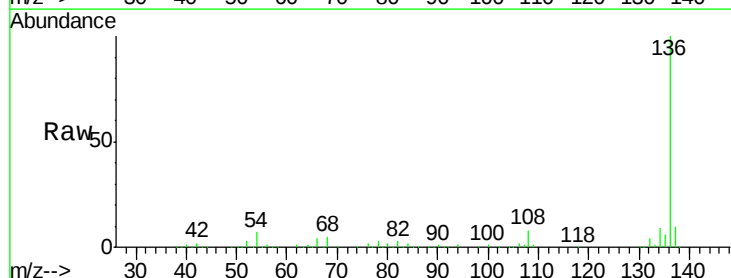
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 93211
Ion Ratio Lower Upper
70 100
42 50.2 49.4 74.0
101 0.0 7.4 11.2#
130 1.8 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion: 136 Resp: 528636
Ion Ratio Lower Upper
136 100
137 10.3 8.4 12.6
54 6.8 4.5 6.7#
68 5.3 3.6 5.4

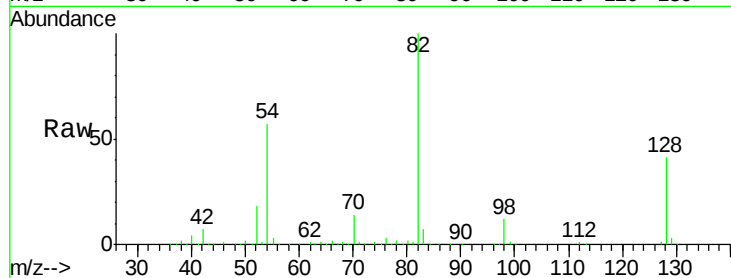




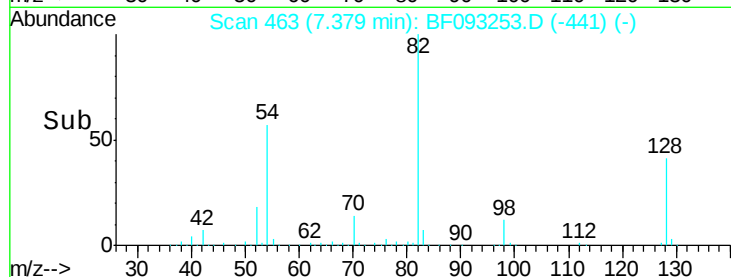
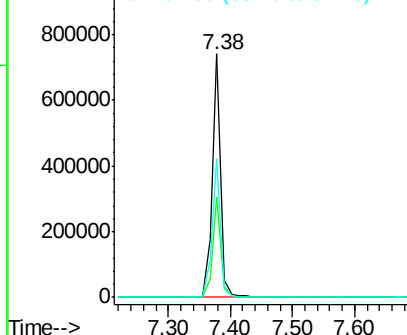
#23
Nitrobenzene-d5
Concen: 72.41 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 687343
Ion Ratio Lower Upper
82 100
128 41.4 34.6 52.0
54 56.8 39.5 59.3

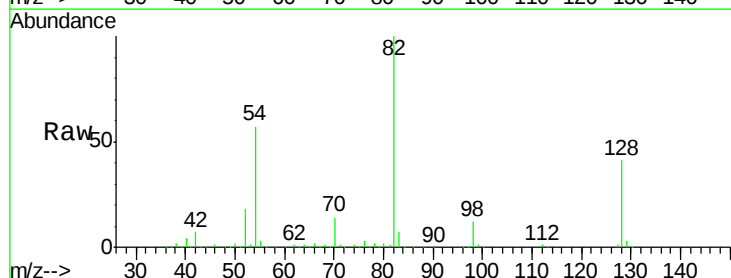


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

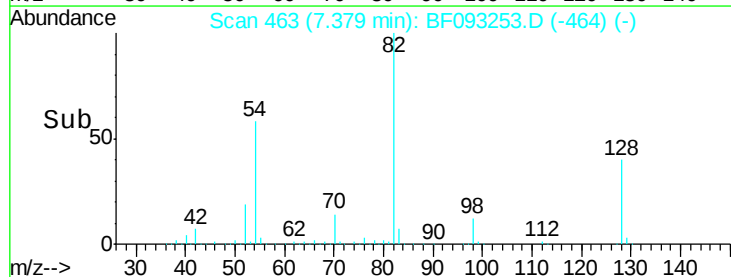
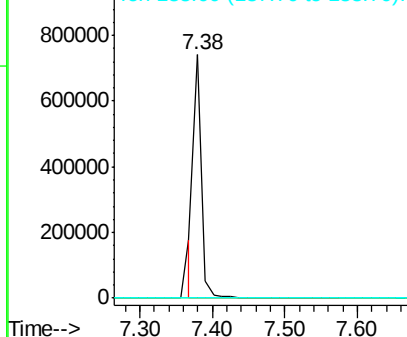


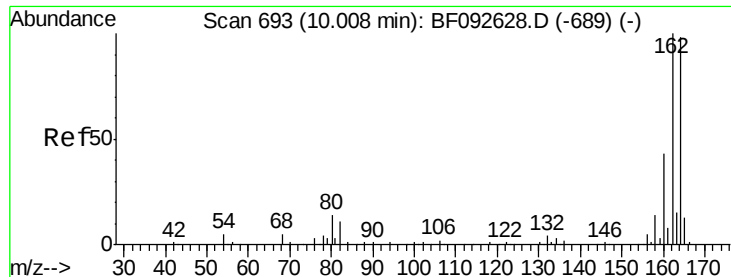
#25
Isophorone
Concen: 31.68 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.31 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion: 82 Resp: 560436
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Instrument :

BNA_F

ClientSampleId :

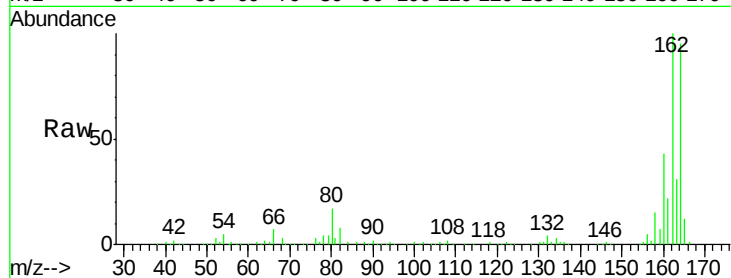
Tot Ion:164 Resp: 234674

Ion Ratio Lower Upper

164 100

162 105.5 80.2 120.2

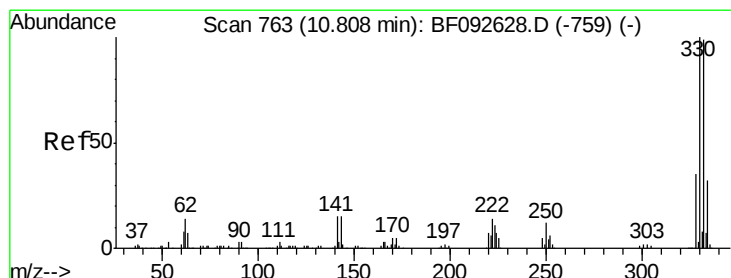
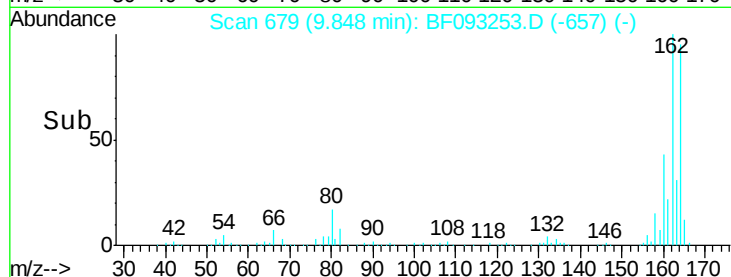
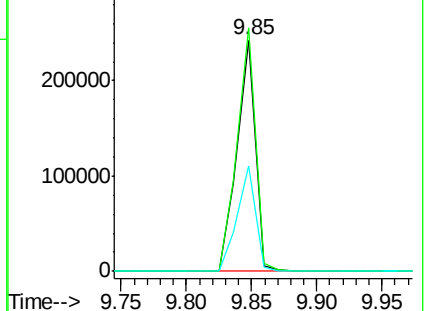
160 45.6 36.9 55.3



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: 92.94 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.05 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

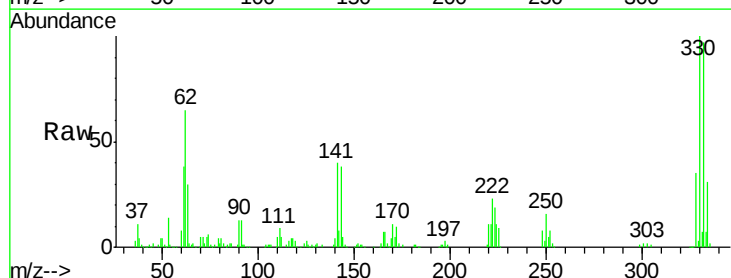
Tgt Ion:330 Resp: 157742

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

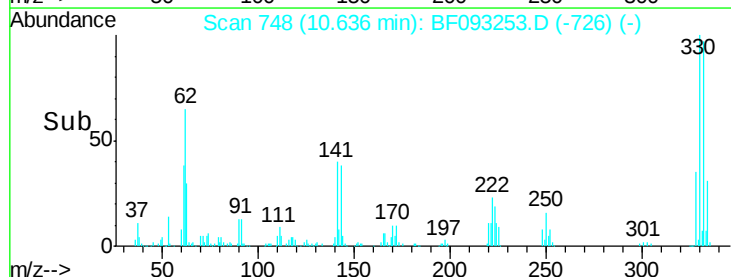
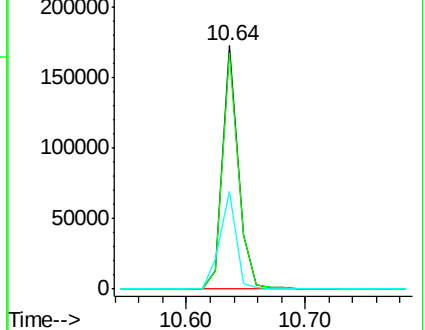
141 41.7 34.1 51.1



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



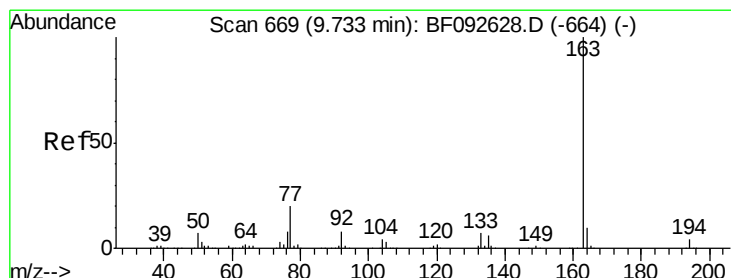
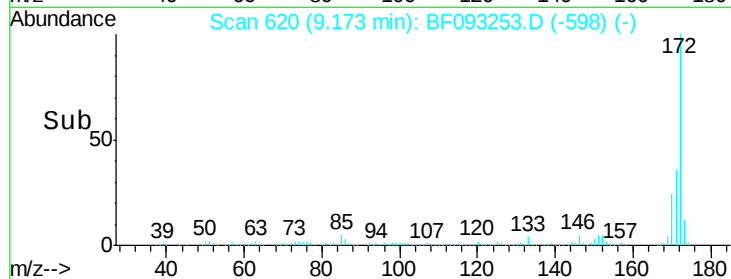
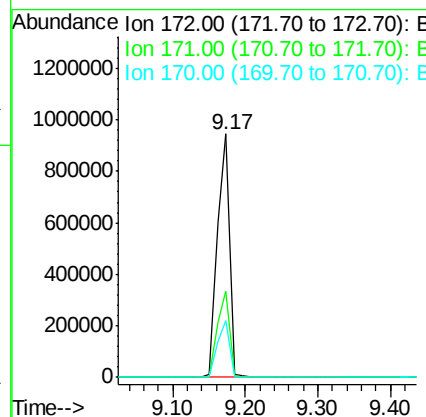
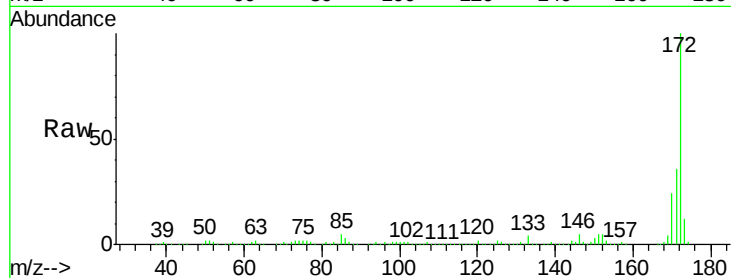


#44
 2-Fluorobiphenyl
 Concen: 84.14 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093253.D
 Acq: 28 Feb 2017 17:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1089935

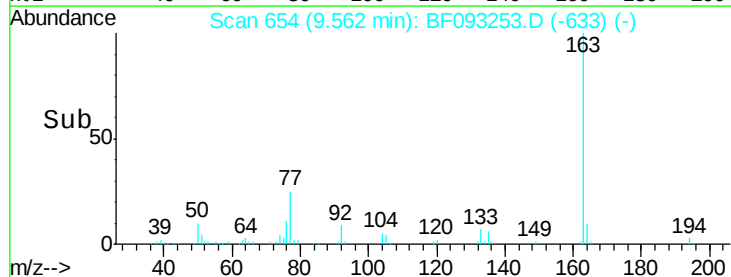
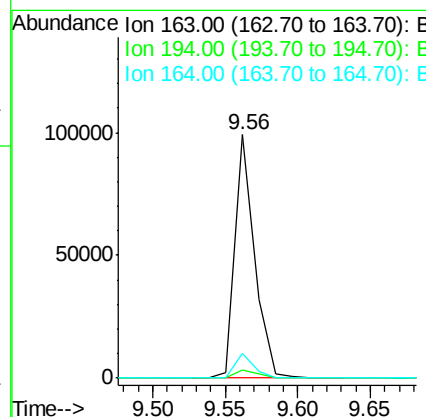
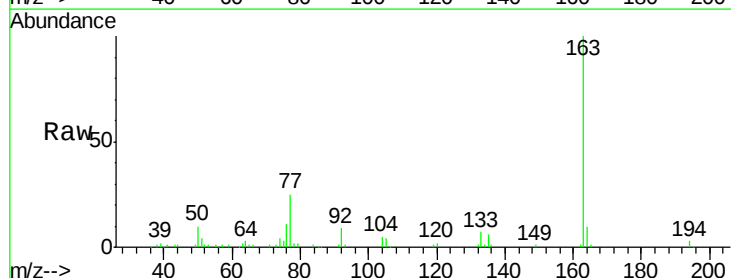
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.5	20.2	30.4

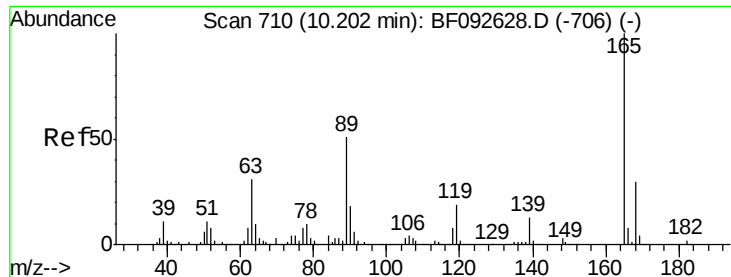


#49
 Dimethylphthalate
 Concen: 5.91 ng
 RT: 9.56 min Scan# 654
 Delta R.T. -0.06 min
 Lab File: BF093253.D
 Acq: 28 Feb 2017 17:23

Tgt Ion:163 Resp: 93451

Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.0	4.4
164	10.3	8.0	12.0

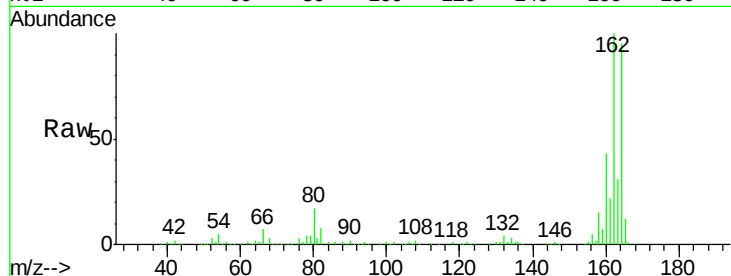




#56
 2,4-Dinitrotoluene
 Concen: 6.56 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.24 min
 Lab File: BF093253.D
 Acq: 28 Feb 2017 17:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.2	60.4#
89	1.5	62.5	93.7#
182	0.0	1.8	2.8#

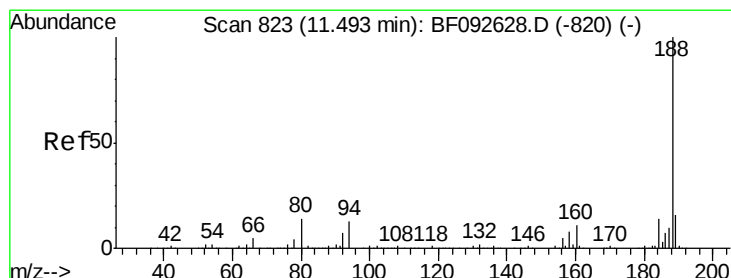
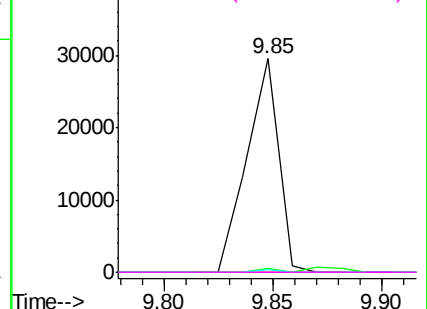
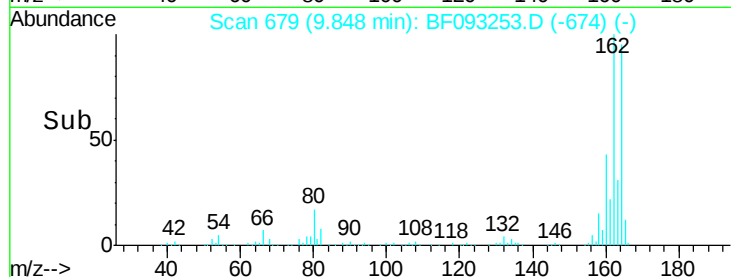


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

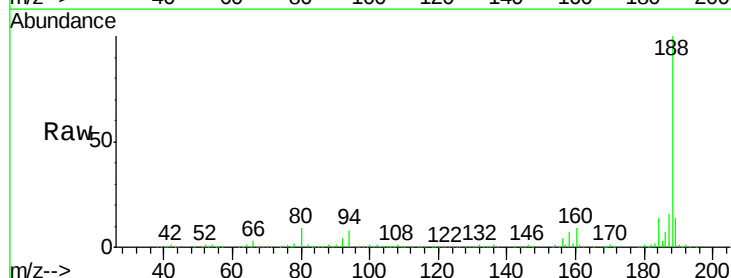
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.05 min
 Lab File: BF093253.D
 Acq: 28 Feb 2017 17:23

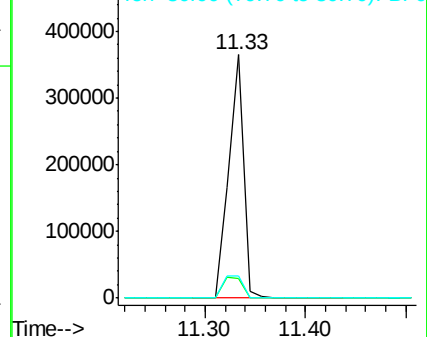
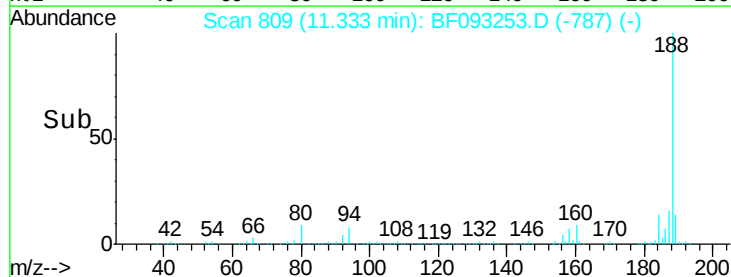
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	10.0	15.0#
80	9.0	11.2	16.8#

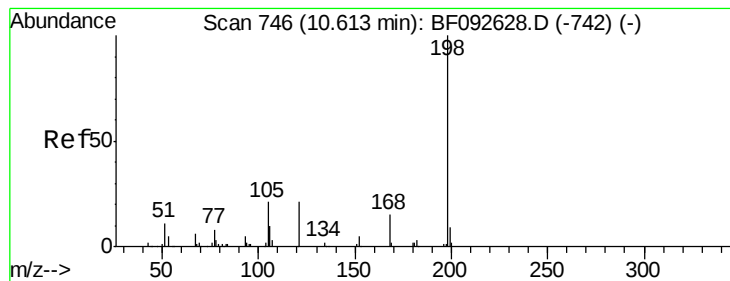


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.81 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.14 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Instrument :

BNA_F

ClientSampleId :

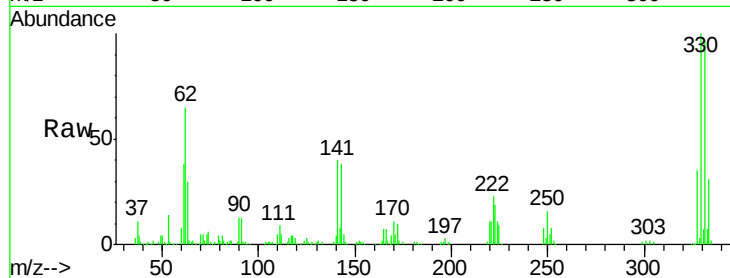
Tot Ion:198 Resp: 330

Ion Ratio Lower Upper

198 100

51 294.4 6.7 46.7#

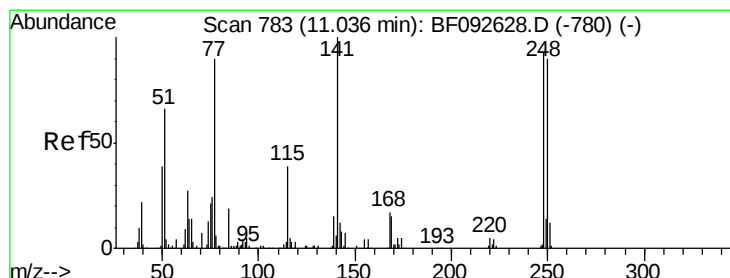
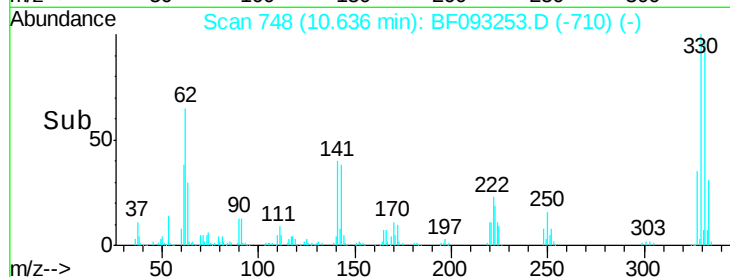
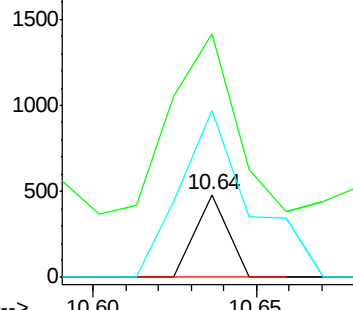
105 201.7 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.12 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.29 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

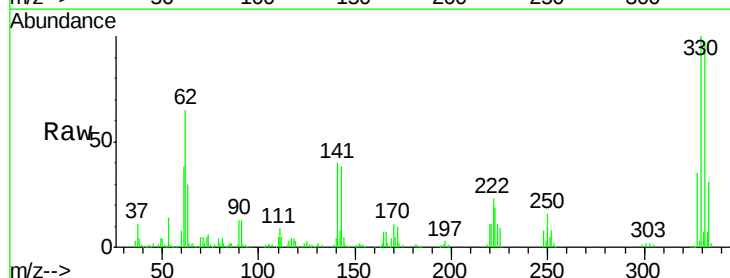
Tgt Ion:248 Resp: 12216

Ion Ratio Lower Upper

248 100

250 193.5 76.9 115.3#

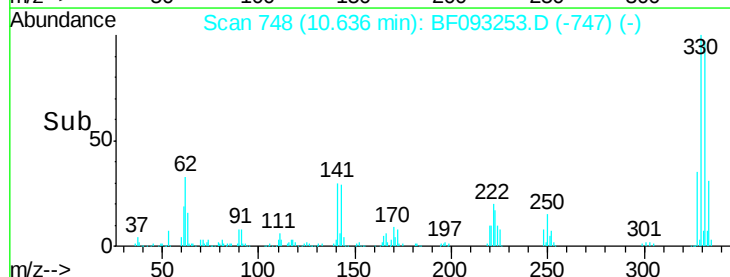
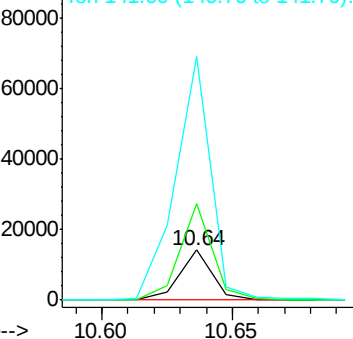
141 487.4 68.2 102.4#

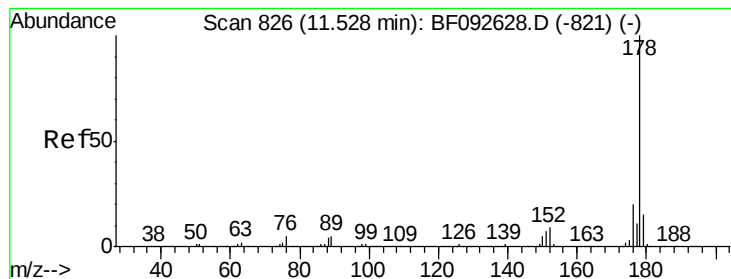


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 8.90 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Instrument :

BNA_F

ClientSampled :

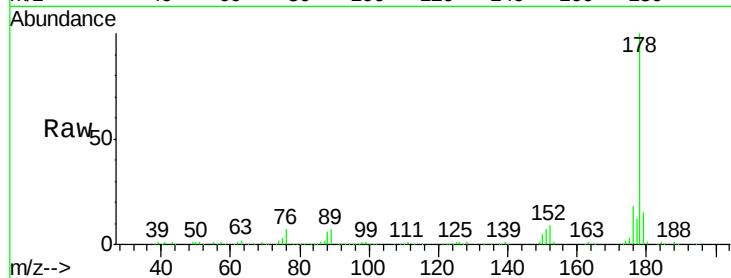
Tot Ion:178 Resp: 191090

Ion Ratio Lower Upper

178 100

176 18.3 16.6 25.0

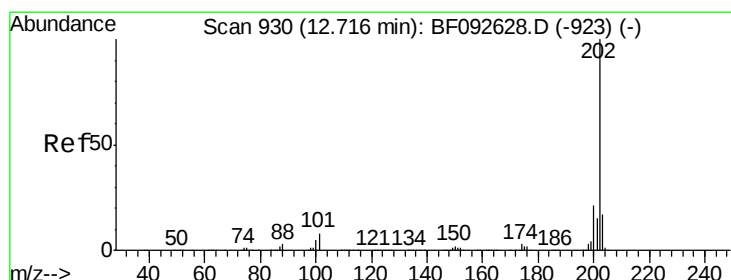
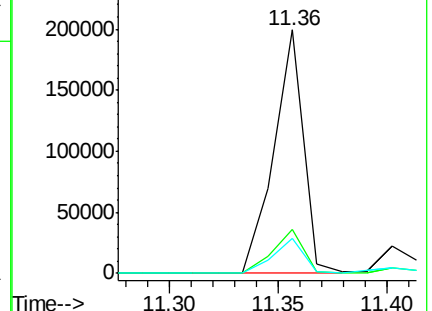
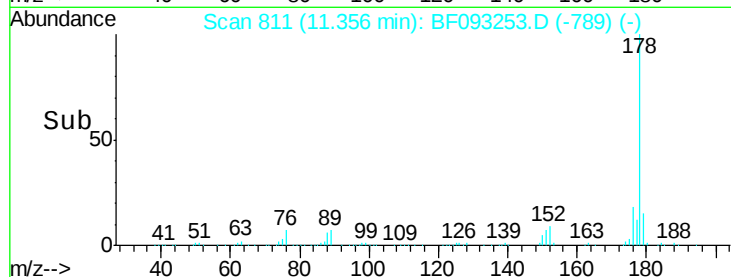
179 14.6 12.8 19.2



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: 15.23 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

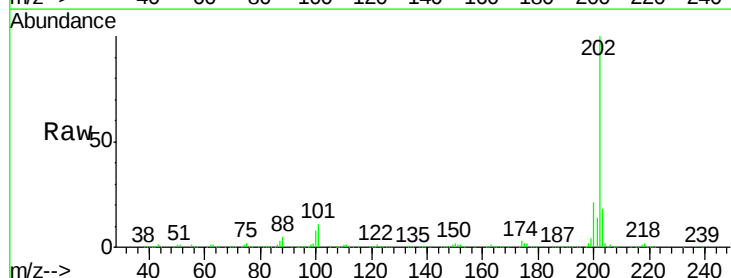
Tgt Ion:202 Resp: 337194

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.6

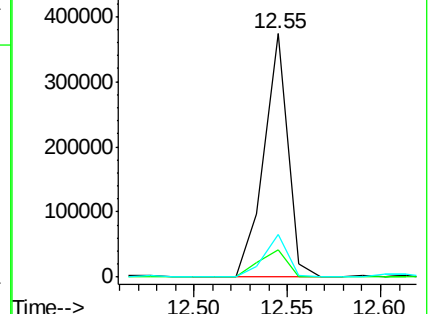
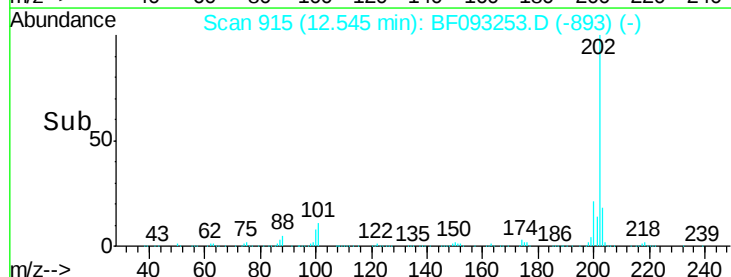
203 17.6 0.0 38.7

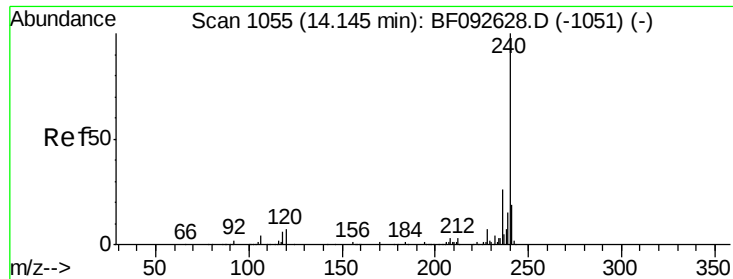


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Instrument :

BNA_F

ClientSampled :

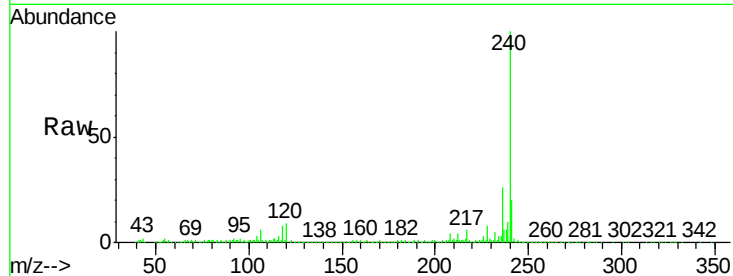
Tot Ion:240 Resp: 328348

Ion Ratio Lower Upper

240 100

120 9.2 12.9 19.3#

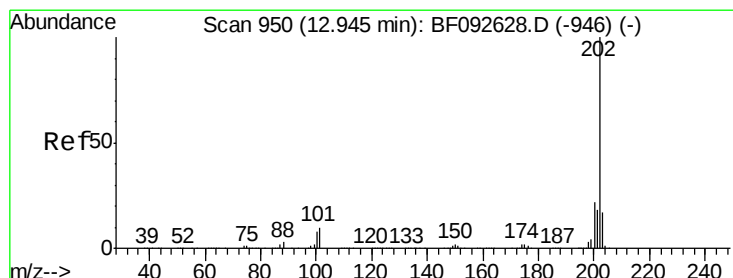
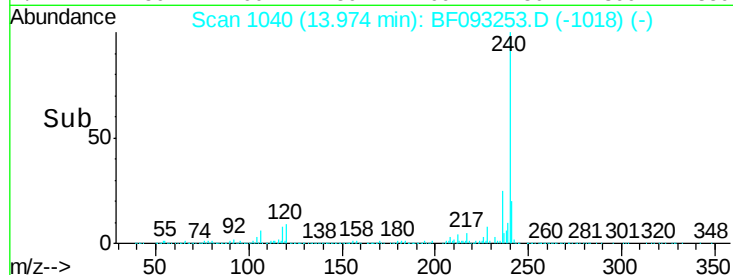
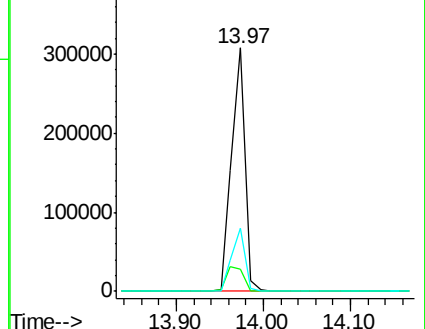
236 25.8 20.9 31.3



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: 13.05 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

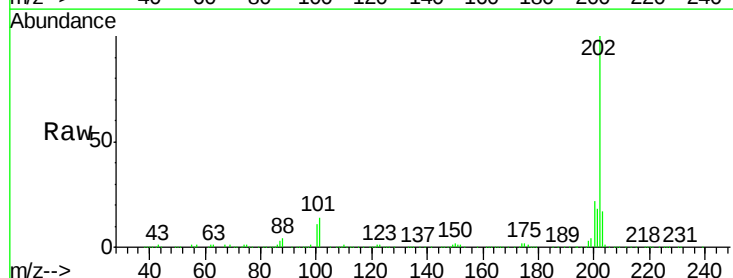
Tgt Ion:202 Resp: 320650

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

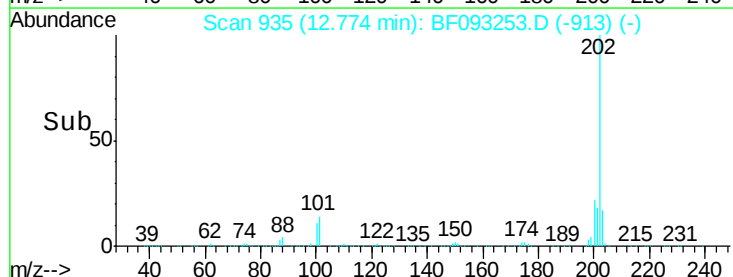
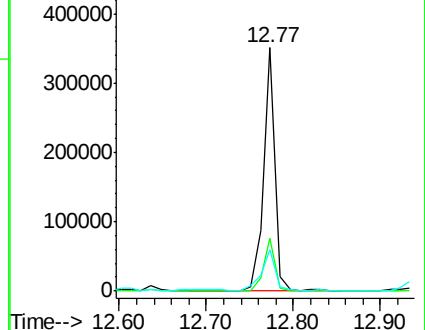
203 17.1 14.7 22.1

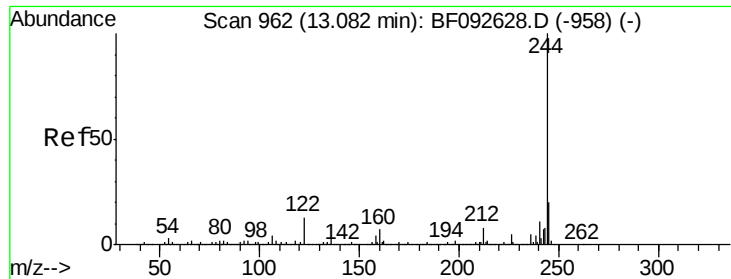


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 48.56 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Instrument :

BNA_F

ClientSampleId :

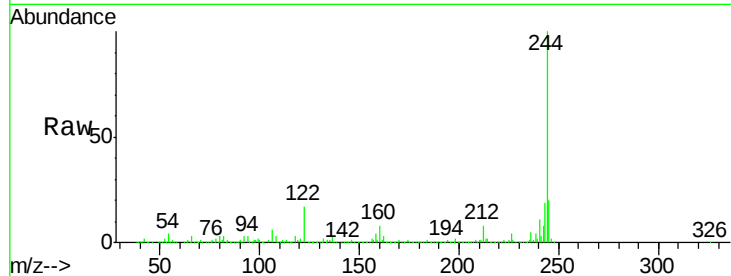
Tot Ion:244 Resp: 678536

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

122 16.5 11.4 17.2



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

12.91

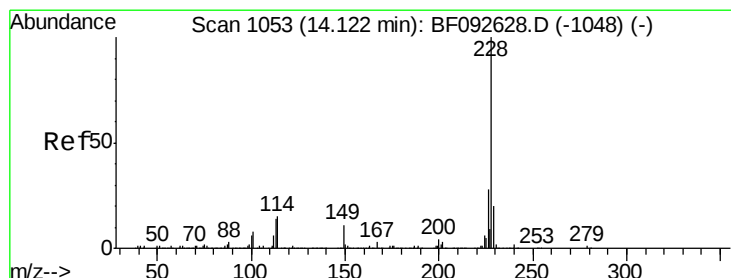
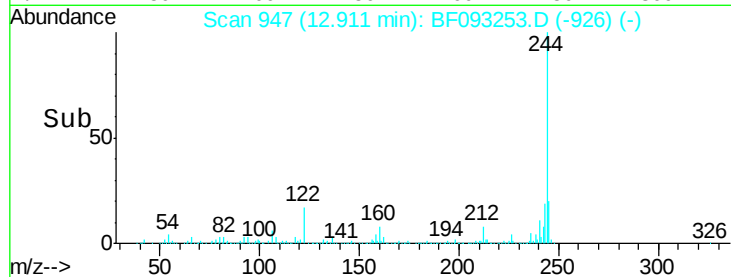
600000

400000

200000

0

Time--> 12.80 12.90 13.00 13.10



#80

Benzo(a)anthracene

Concen: 7.79 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

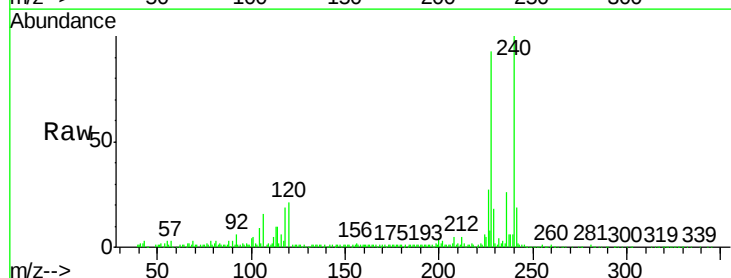
Tgt Ion:228 Resp: 156357

Ion Ratio Lower Upper

228 100

226 28.7 22.4 33.6

229 19.4 16.2 24.4



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

13.96

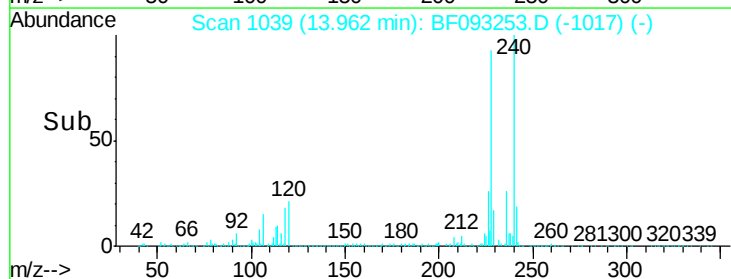
150000

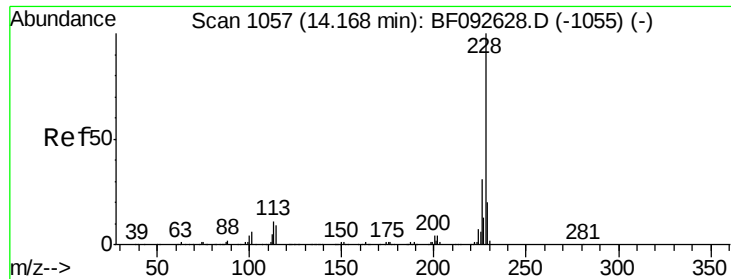
100000

50000

0

Time--> 13.85 13.90 13.95 14.00

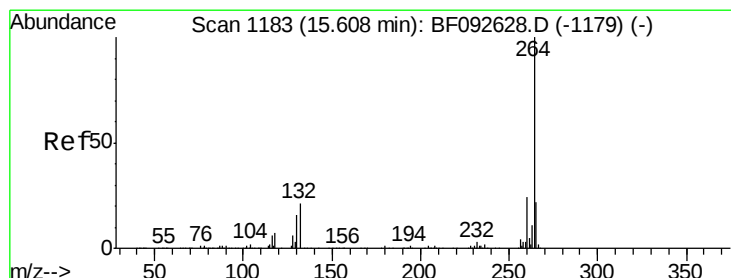
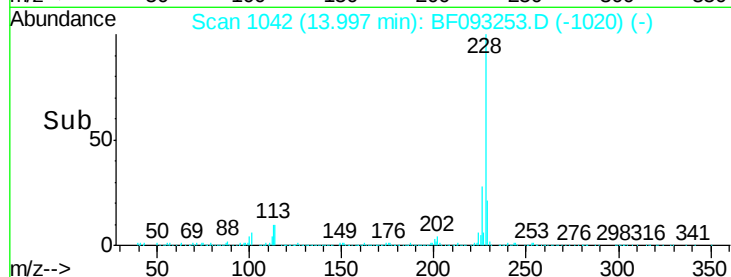
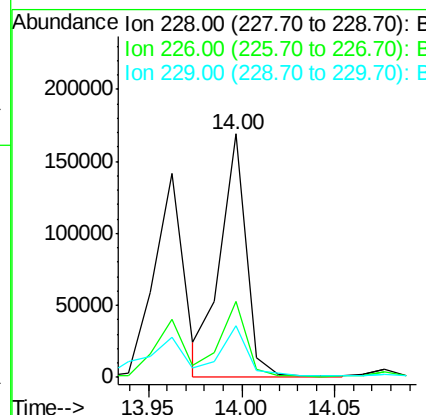
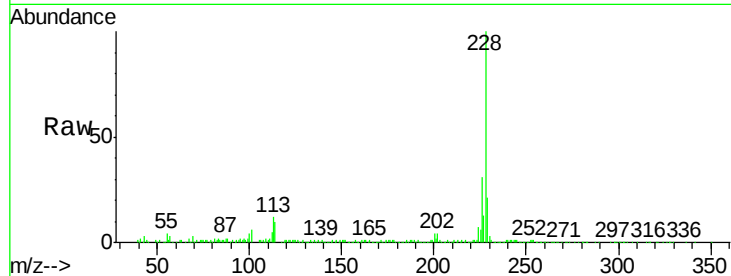




#82
Chrysene
Concen: 8.60 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

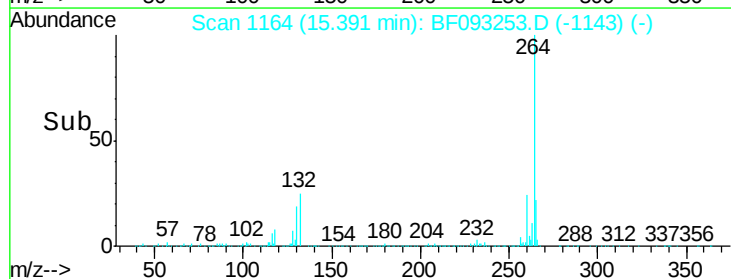
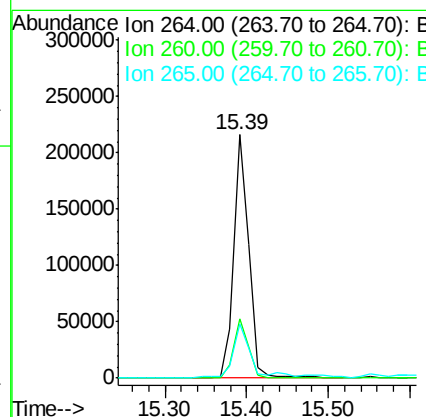
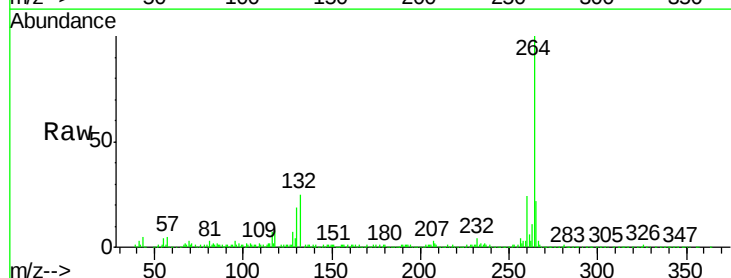
Instrument :
BNA_F
ClientSampleId :

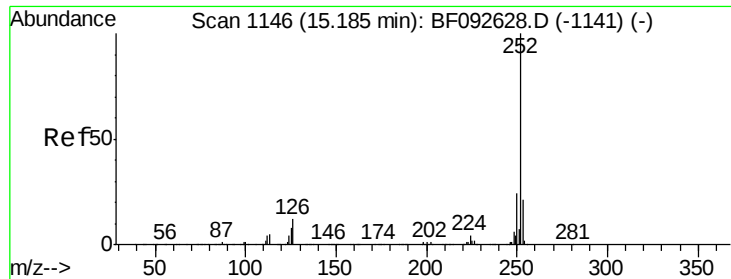
Tot Ion:228 Resp: 161703
Ion Ratio Lower Upper
228 100
226 31.4 25.4 38.0
229 21.4 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion:264 Resp: 270798
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.3 17.4 26.0

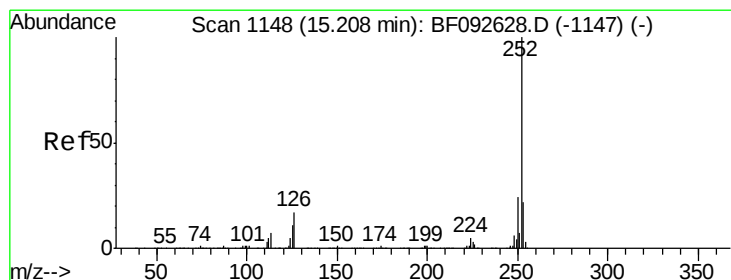
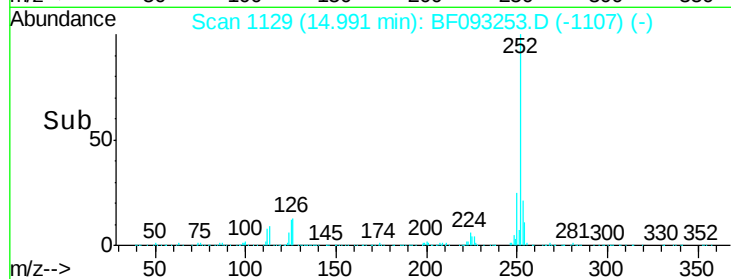
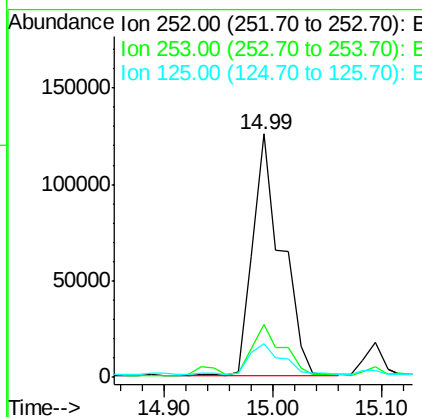
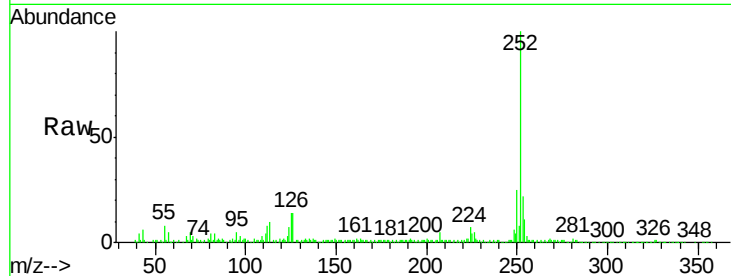




#87
Benzo(b)fluoranthene
Concen: 13.07 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

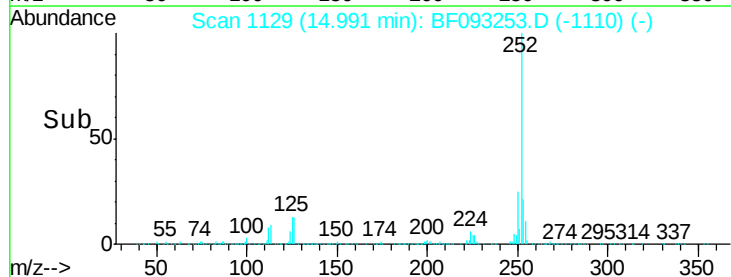
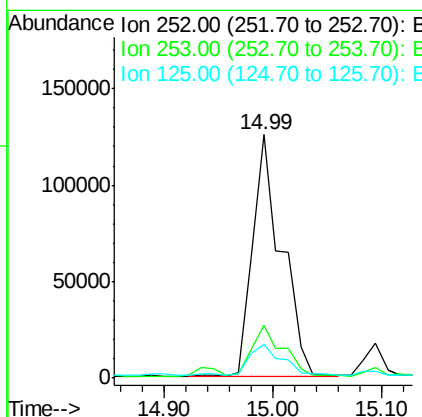
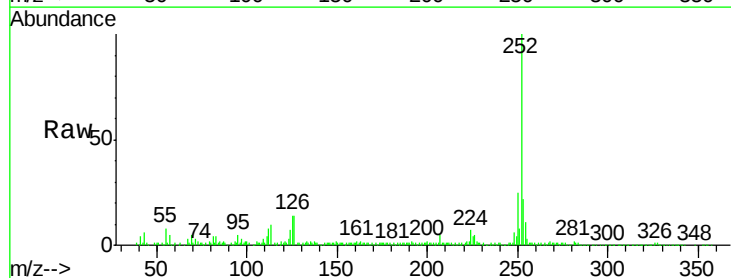
Instrument :
BNA_F
ClientSampleId :

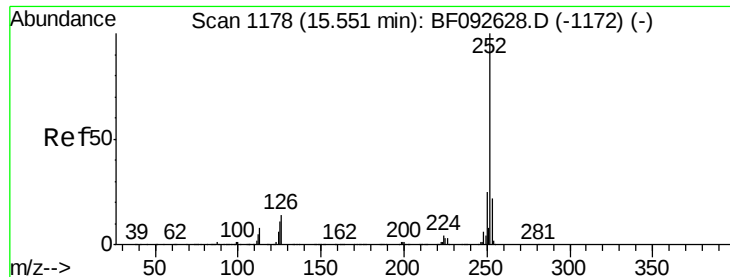
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	13.7	9.8	14.6



#88
Benzo(k)fluoranthene
Concen: 15.14 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.08 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.5	27.7
125	13.7	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 6.89 ng

RT: 15.33 min Scan# 1159

Delta R.T. -0.06 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Instrument :

BNA_F

ClientSampleId :

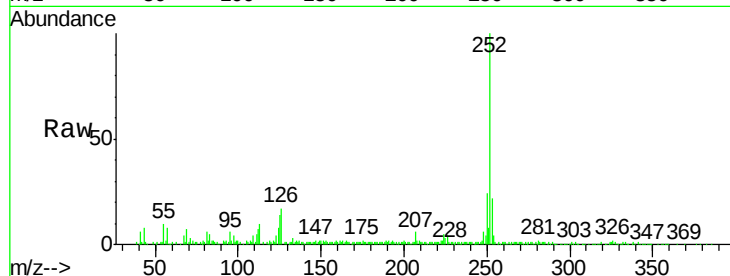
Tot Ion:252 Resp: 106202

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

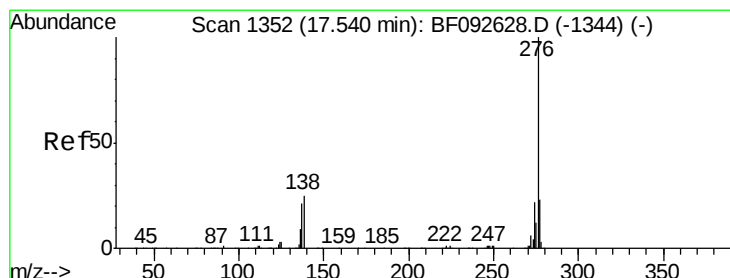
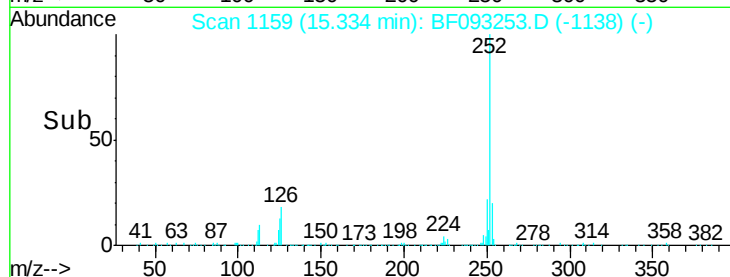
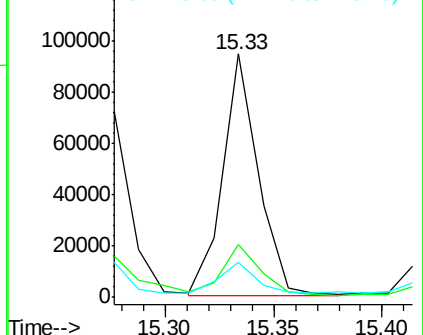
125 14.4 10.0 15.0



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: 3.78 ng

RT: 17.20 min Scan# 1322

Delta R.T. -0.09 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

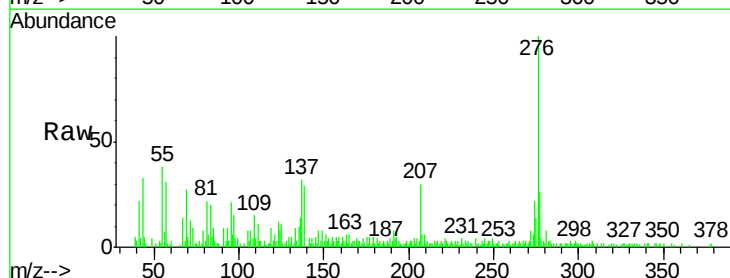
Tgt Ion:276 Resp: 47574

Ion Ratio Lower Upper

276 100

277 25.9 19.2 28.8

138 29.5 16.0 24.0#



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

