

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
 Data File : BF093244.D
 Acq On : 28 Feb 2017 13:13
 Operator : SJ/MA
 Sample : I1998-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 13:52:04 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

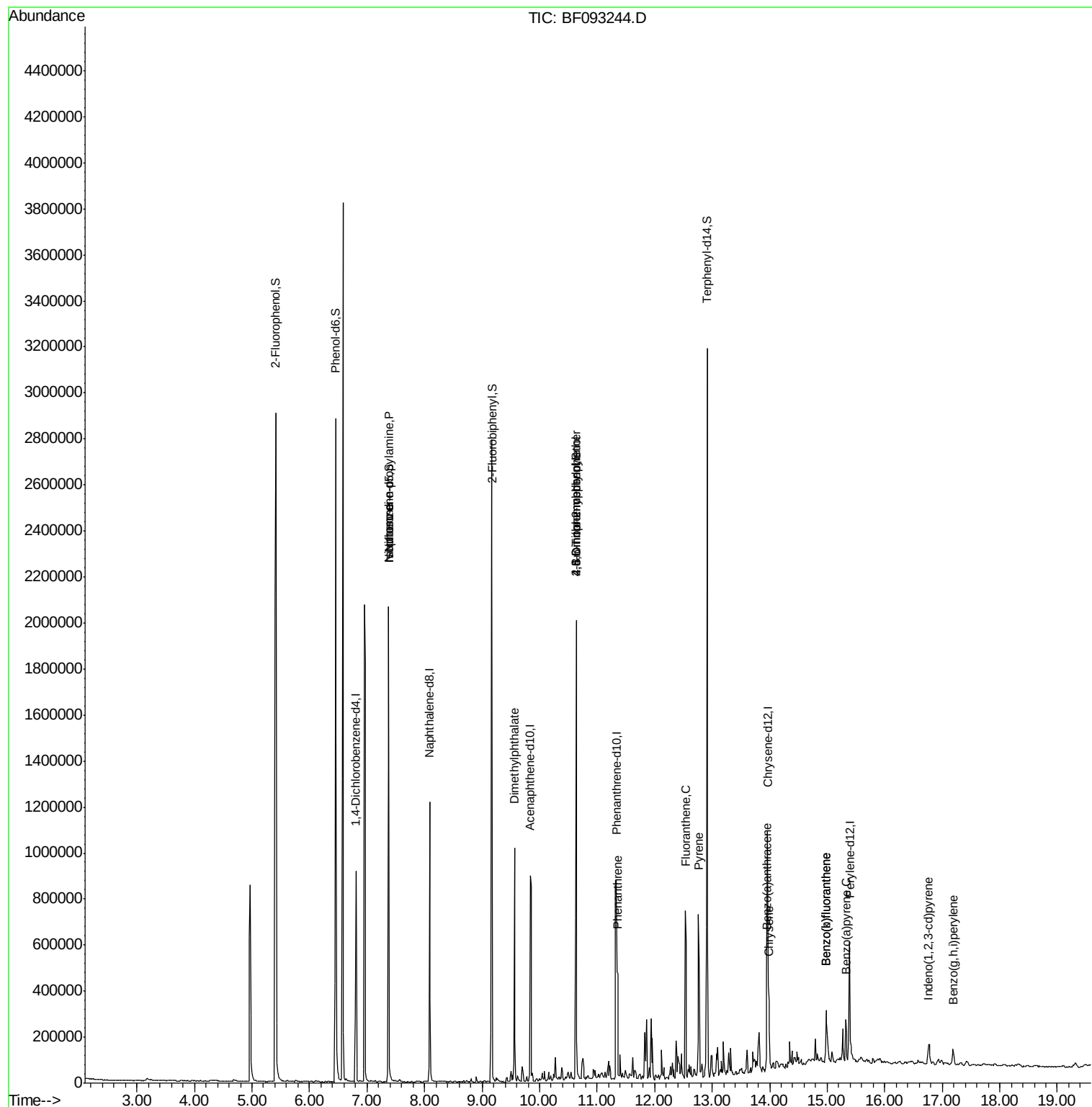
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	144288	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	554023	20.00	ng	-0.06
38) Acenaphthene-d10	9.84	164	259770	20.00	ng	-0.06
63) Phenanthrene-d10	11.33	188	472980	20.00	ng	-0.05
75) Chrysene-d12	13.96	240	304079	20.00	ng	-0.06
86) Perylene-d12	15.39	264	282946	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1071858	127.45	ng	-0.03
7) Phenol-d6	6.45	99	1241440	114.72	ng	-0.03
23) Nitrobenzene-d5	7.38	82	844602	84.89	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	214613	114.23	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1299419	90.62	ng	-0.05
78) Terphenyl-d14	12.91	244	969368	74.90	ng	-0.06
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	111522	16.19	ng	# 77
25) Isophorone	7.38	82	830305	44.79	ng	# 65
49) Dimethylphthalate	9.56	163	386884	22.11	ng	99
64) 4,6-Dinitro-2-methylphenol	10.64	198	414	2.80	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	16702	3.38	ng	# 1
70) Phenanthrene	11.36	178	265985	9.82	ng	97
74) Fluoranthene	12.53	202	387664	13.87	ng	93
77) Pyrene	12.76	202	371952	16.35	ng	98
80) Benzo(a)anthracene	13.95	228	154227	8.29	ng	98
82) Chrysene	13.99	228	113642	6.53	ng	98
85) Indeno(1,2,3-cd)pyrene	16.76	276	52773	3.91	ng	97
87) Benzo(b)fluoranthene	14.98	252	152530	8.19	ng	# 97
88) Benzo(k)fluoranthene	14.98	252	152530	9.49	ng	# 95
89) Benzo(a)pyrene	15.32	252	84340	5.24	ng	# 96
91) Benzo(a,h,i)perylene	17.19	276	53222	4.05	ng	# 90

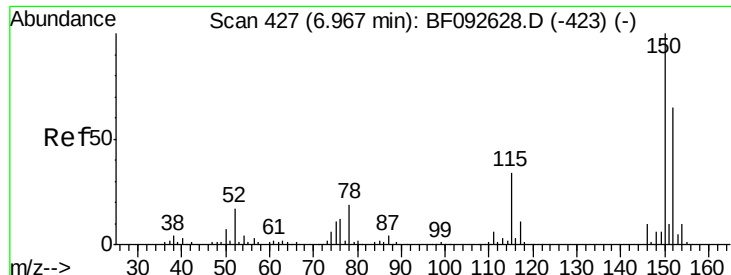
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093244.D

Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

ClientSampleId :

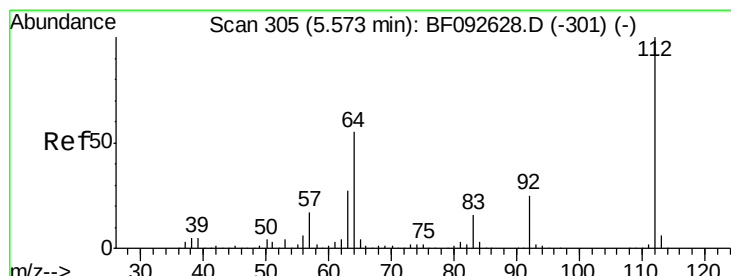
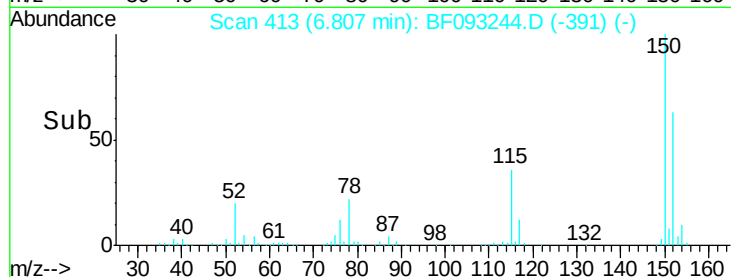
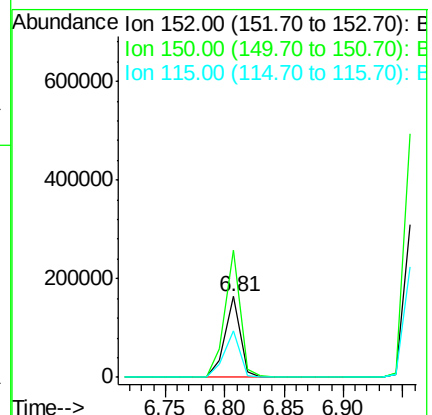
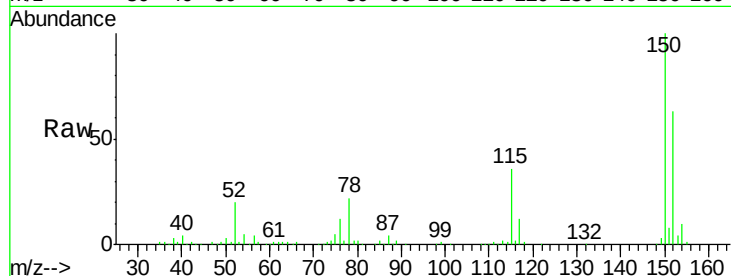
Tot Ion:152 Resp: 144288

Ion Ratio Lower Upper

152 100

150 157.9 124.9 187.3

115 57.1 46.0 69.0



#5

2-Fluorophenol

Concen: 127.45 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.03 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

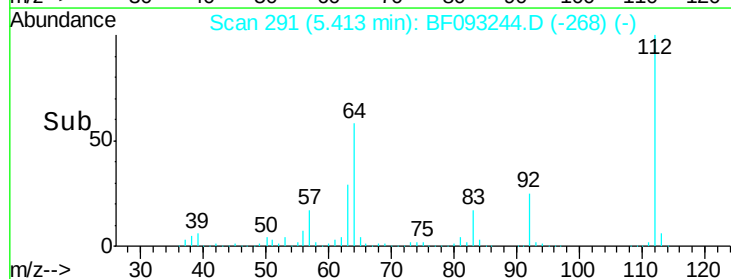
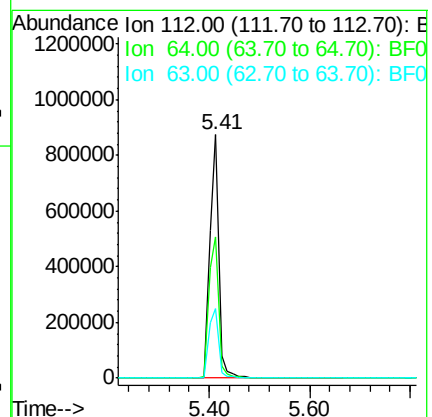
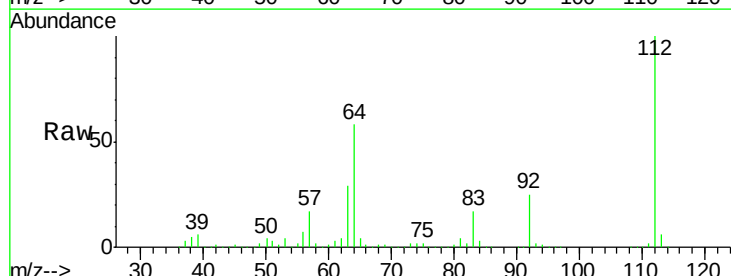
Tgt Ion:112 Resp: 1071858

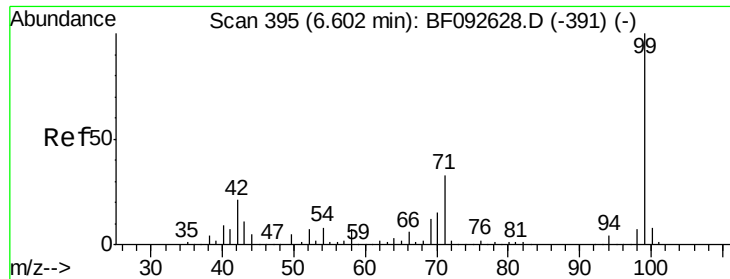
Ion Ratio Lower Upper

112 100

64 57.8 46.1 69.1

63 28.8 23.8 35.6





#7

Phenol-d6

Concen: 114.72 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

ClientSampled :

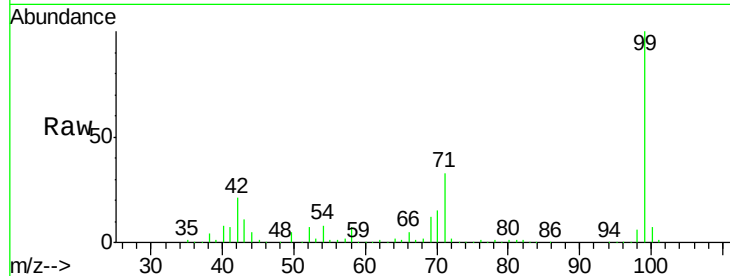
Tot Ion: 99 Resp: 1241440

Ion Ratio Lower Upper

99 100

42 20.9 15.6 23.4

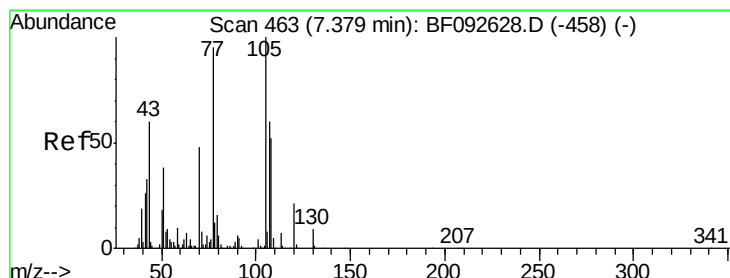
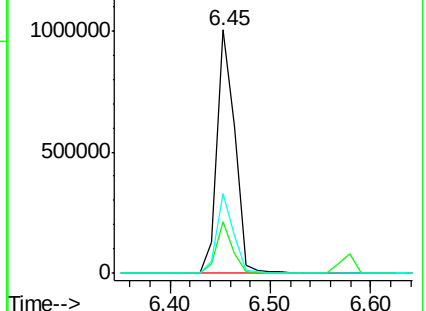
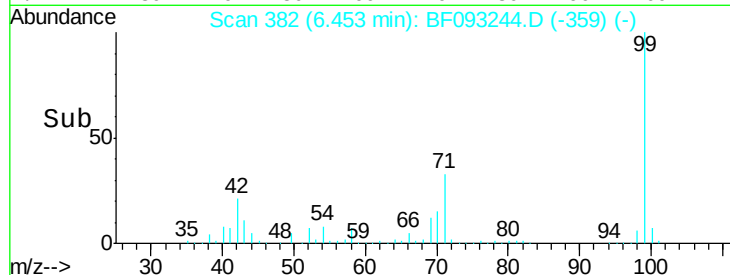
71 33.0 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.19 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.10 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Tgt Ion: 70 Resp: 111522

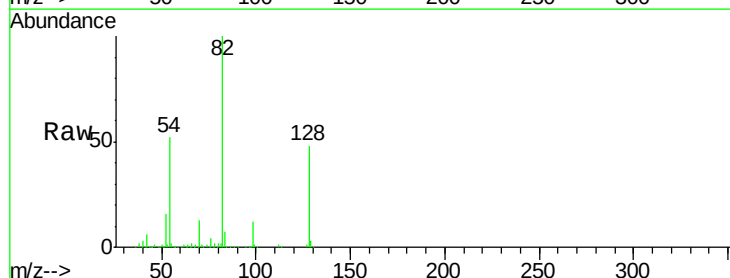
Ion Ratio Lower Upper

70 100

42 47.4 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

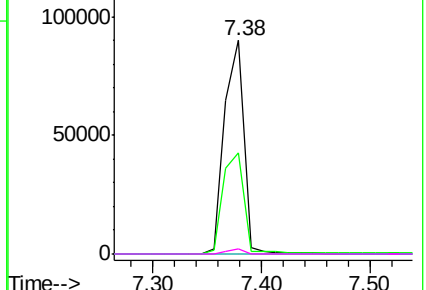
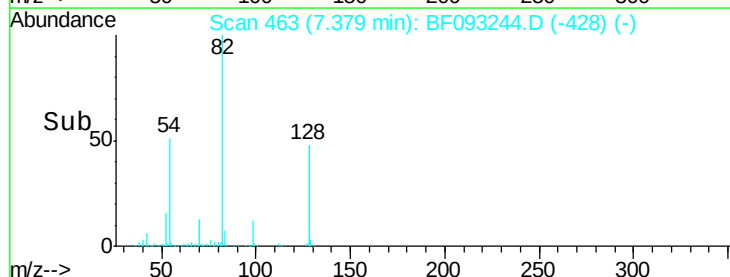


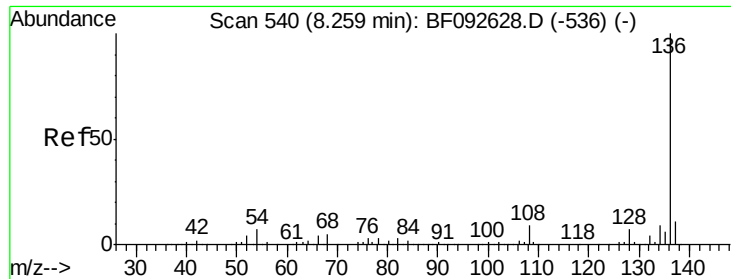
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

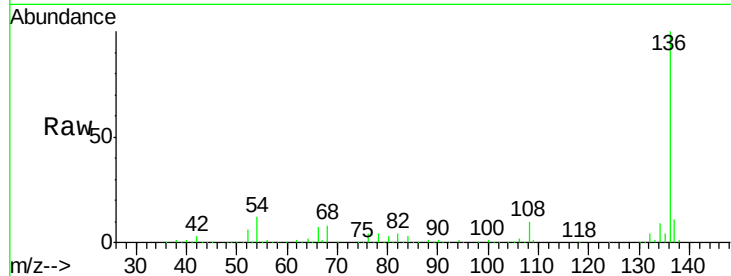




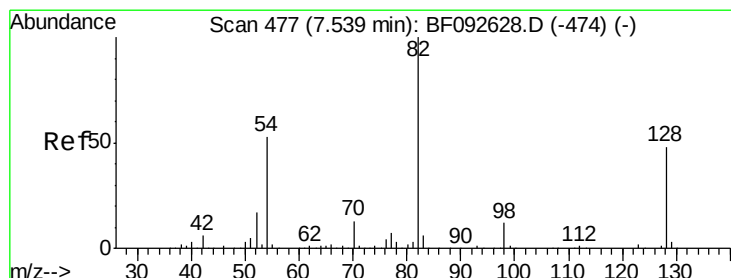
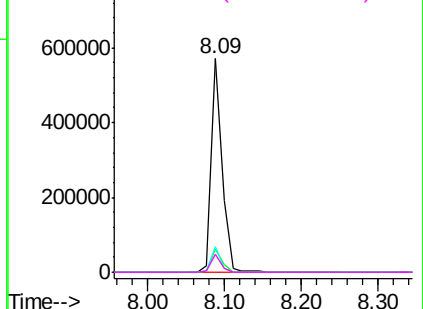
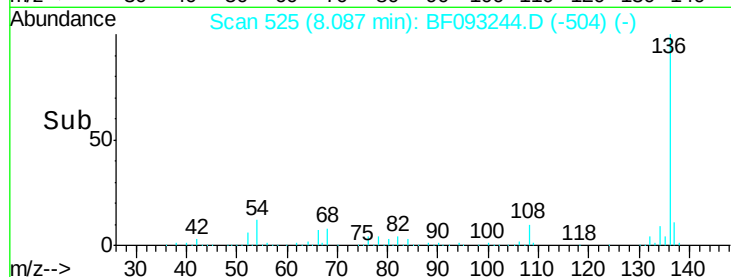
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	554023
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.4 12.6
54	11.9	4.5 6.7#
68	8.1	3.6 5.4#

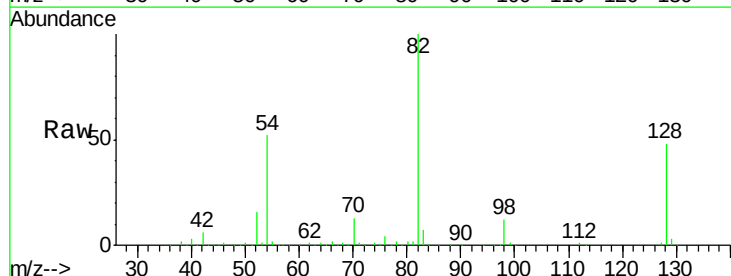


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

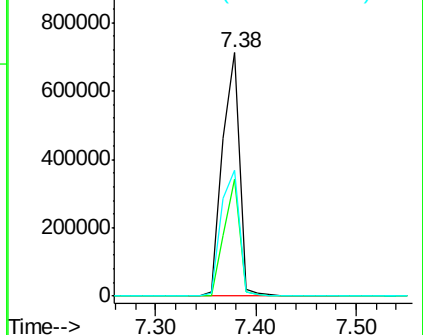
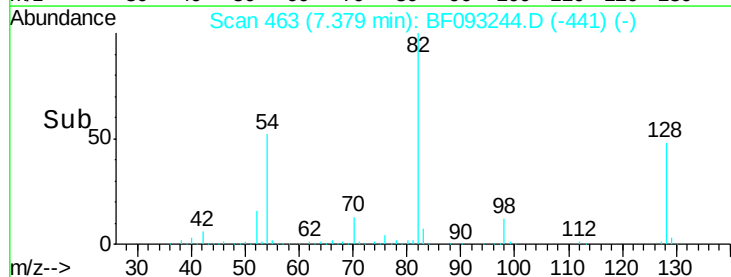


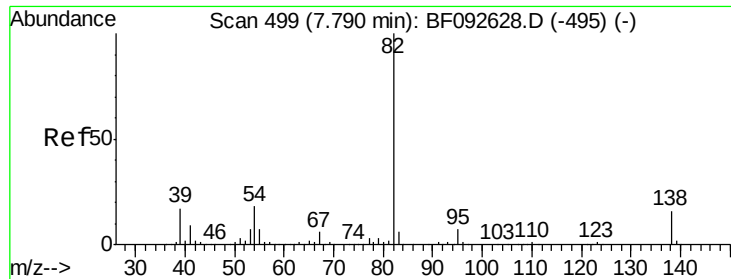
#23
Nitrobenzene-d5
Concen: 84.89 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Tgt Ion: 82	Resp:	844602
Ion Ratio	Lower	Upper
82	100	
128	48.1	34.6 52.0
54	51.5	39.5 59.3



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





#25

Isophorone

Concen: 44.79 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.31 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

ClientSampleId :

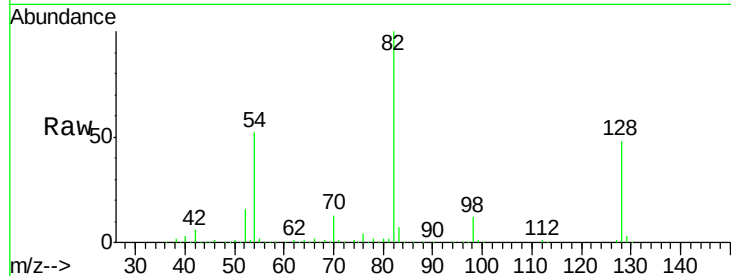
Tot Ion: 82 Resp: 830305

Ion Ratio Lower Upper

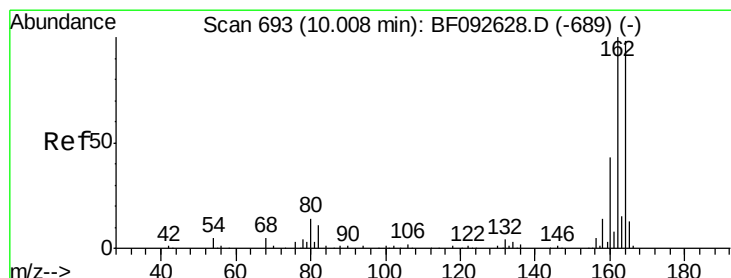
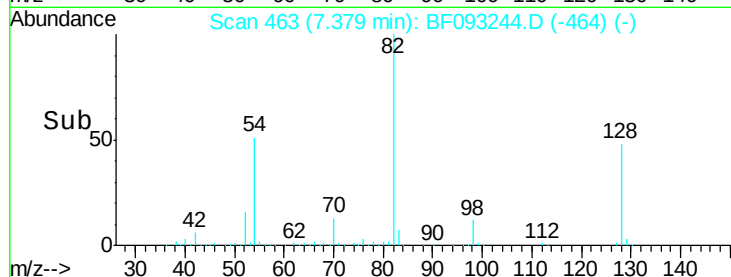
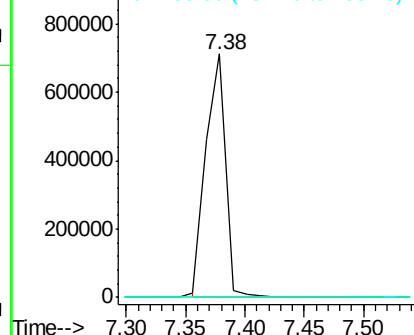
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

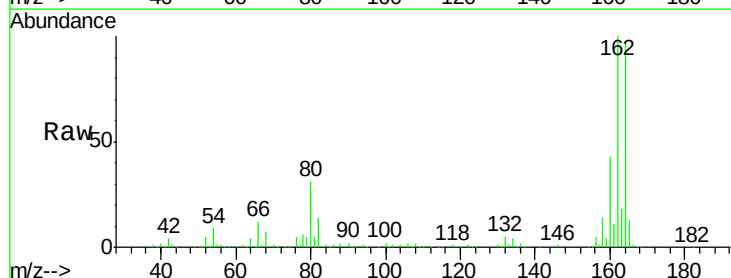
Tgt Ion:164 Resp: 259770

Ion Ratio Lower Upper

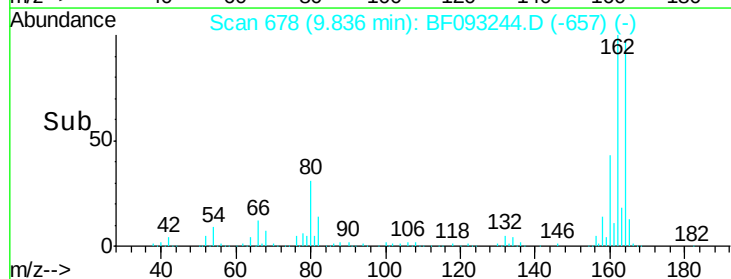
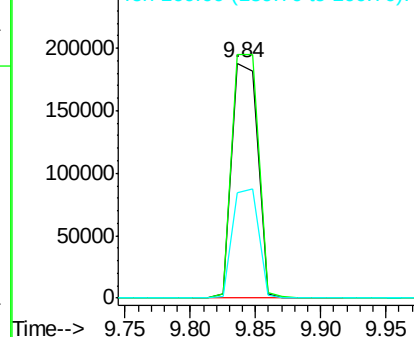
164 100

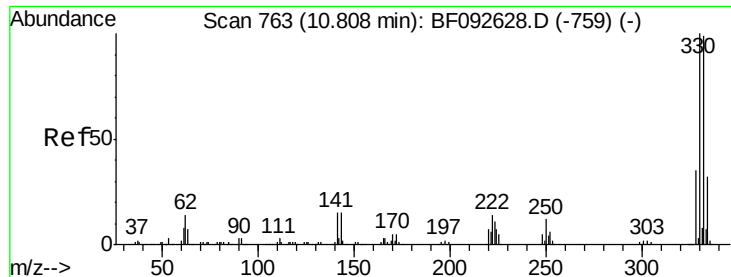
162 103.5 80.2 120.2

160 44.8 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

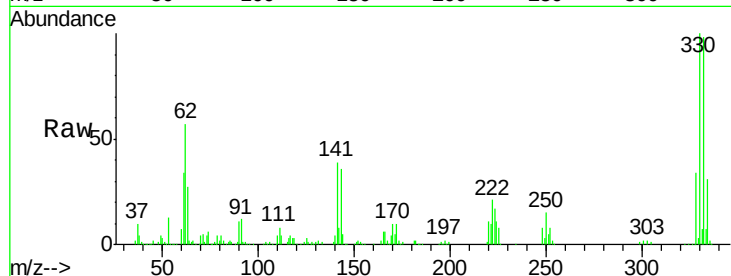




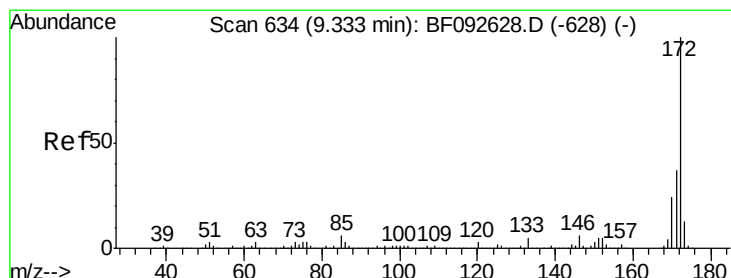
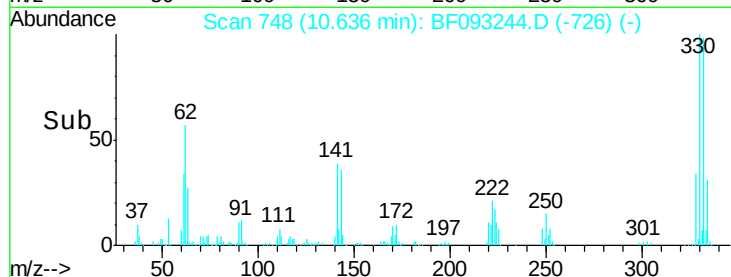
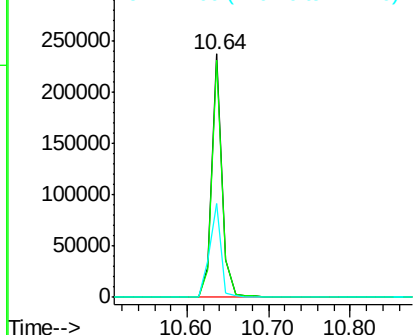
#41
 2,4,6-Tribromophenol
 Concen: 114.23 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093244.D
 Acq: 28 Feb 2017 13:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 214613
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 43.3 34.1 51.1

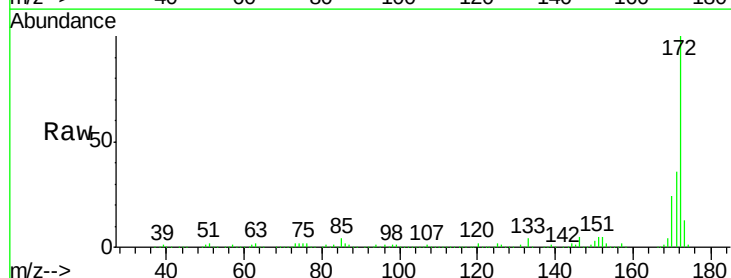


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

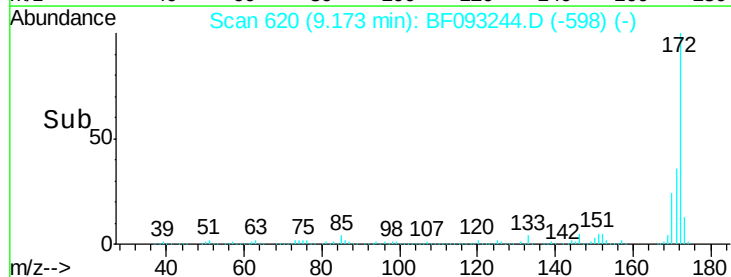
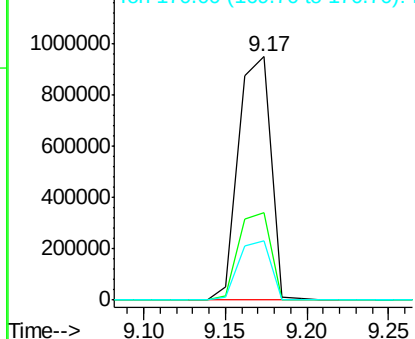


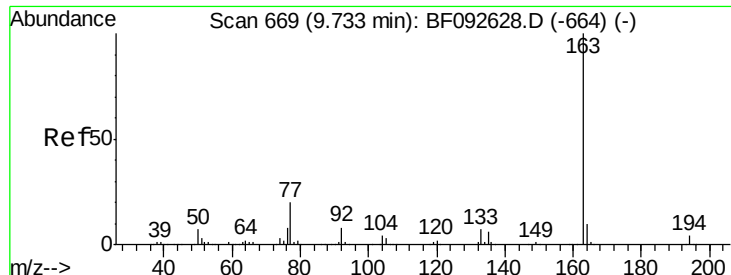
#44
 2-Fluorobiphenyl
 Concen: 90.62 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093244.D
 Acq: 28 Feb 2017 13:13

Tgt Ion:172 Resp: 1299419
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.2 20.2 30.4



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: 22.11 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

ClientSampled :

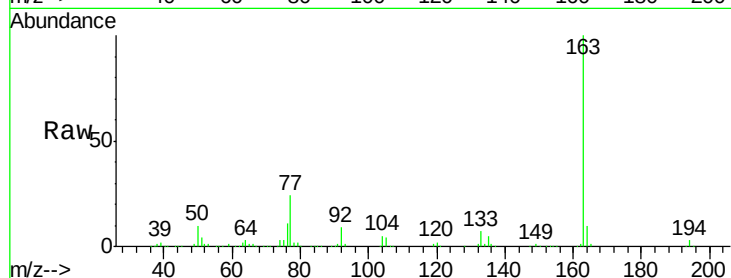
Tot Ion:163 Resp: 386884

Ion Ratio Lower Upper

163 100

194 3.0 3.0 4.4

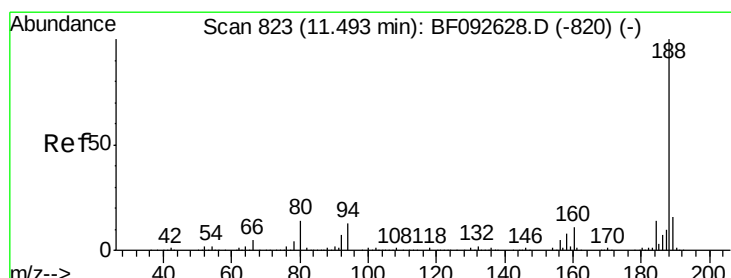
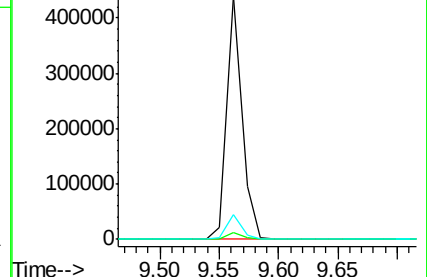
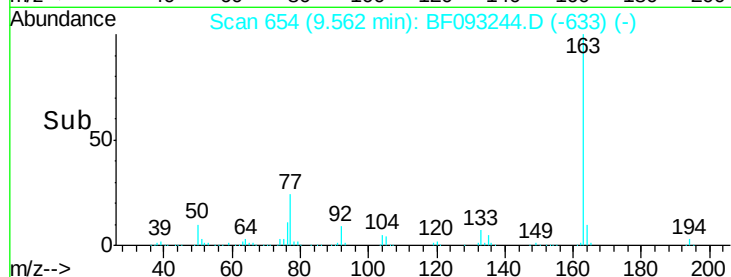
164 10.1 8.0 12.0



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: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

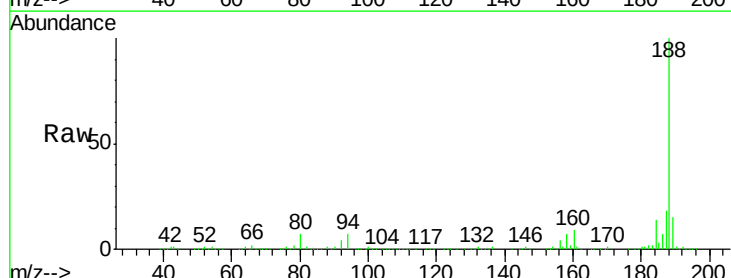
Tgt Ion:188 Resp: 472980

Ion Ratio Lower Upper

188 100

94 7.0 10.0 15.0#

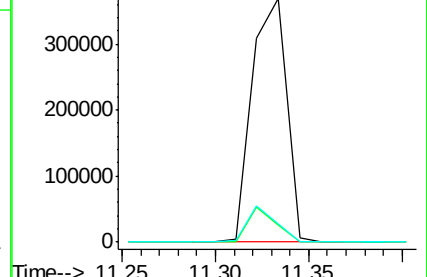
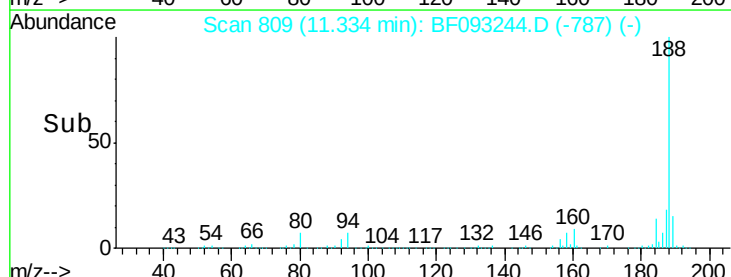
80 7.3 11.2 16.8#

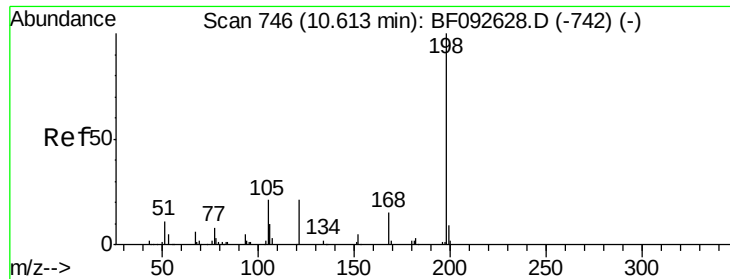


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.80 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.14 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

ClientSampleId :

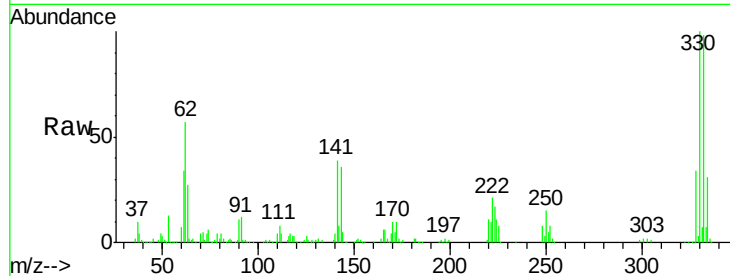
Tot Ion:198 Resp: 414

Ion Ratio Lower Upper

198 100

51 244.9 6.7 46.7#

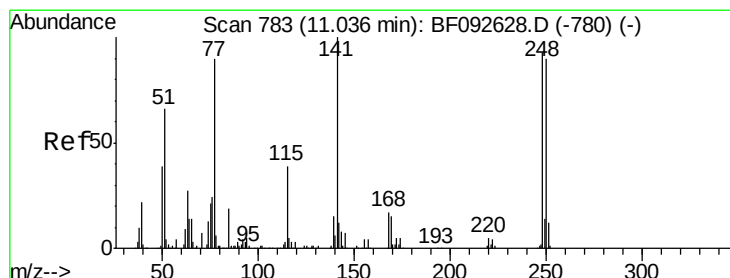
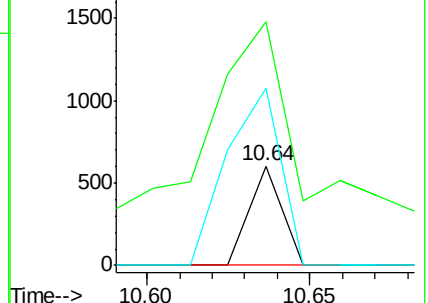
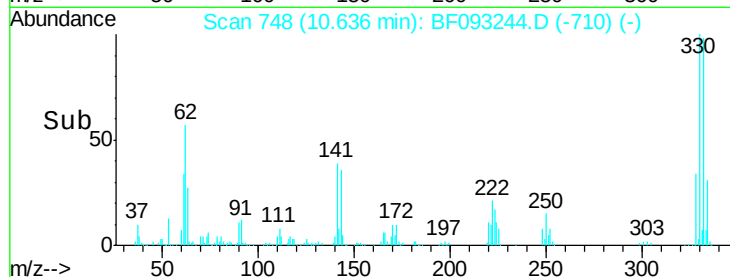
105 178.6 16.6 56.6#



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: 3.38 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.29 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

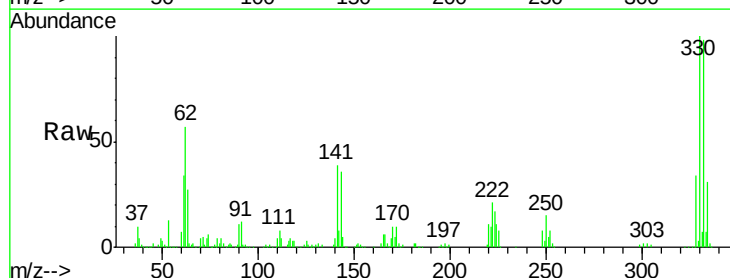
Tgt Ion:248 Resp: 16702

Ion Ratio Lower Upper

248 100

250 187.1 76.9 115.3#

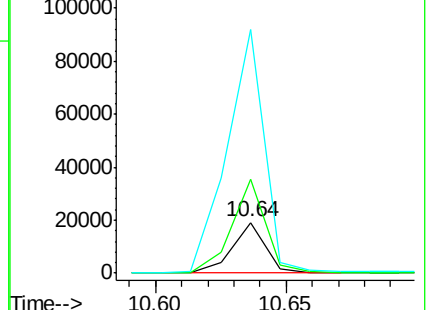
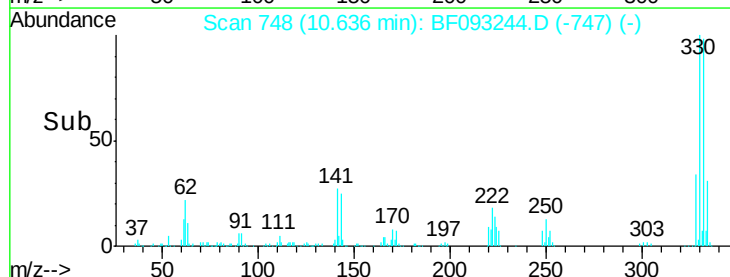
141 483.6 68.2 102.4#

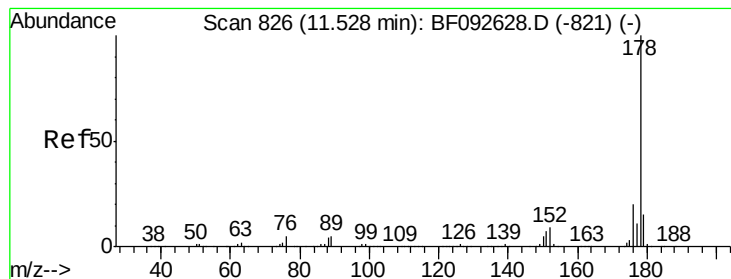


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 9.82 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

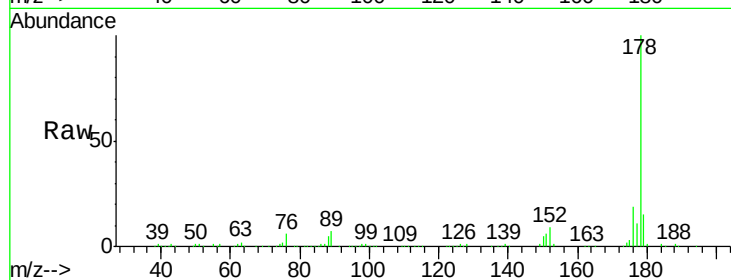
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 265985

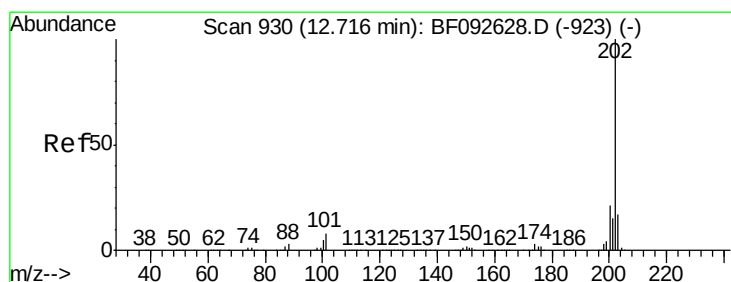
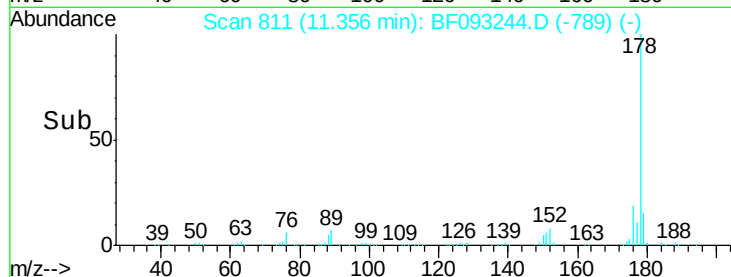
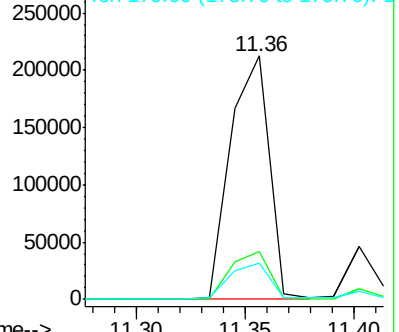
Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	25.0
179	15.0	12.8	19.2



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: 13.87 ng

RT: 12.53 min Scan# 914

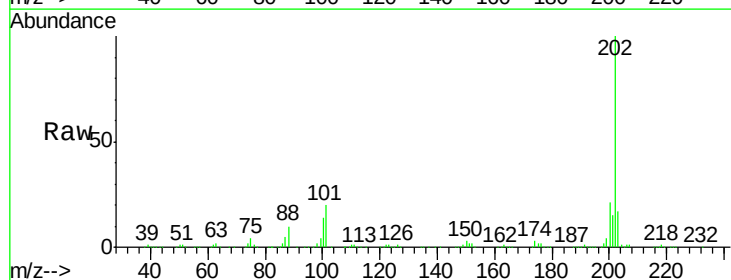
Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Tgt Ion:202 Resp: 387664

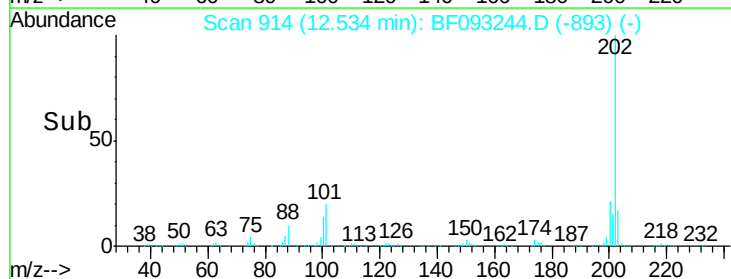
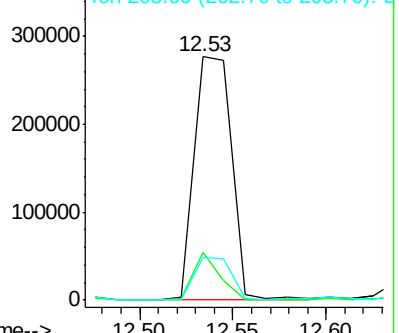
Ion	Ratio	Lower	Upper
202	100		
101	19.8	0.0	34.6
203	17.4	0.0	38.7

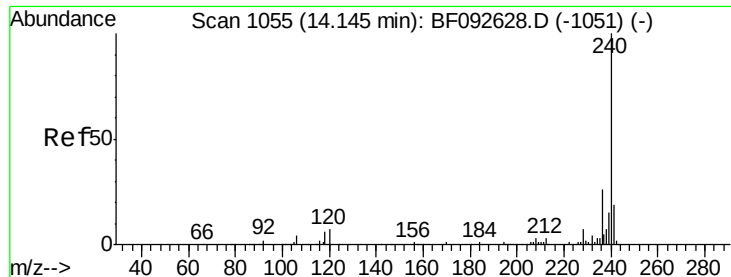


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.96 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

ClientSampleId :

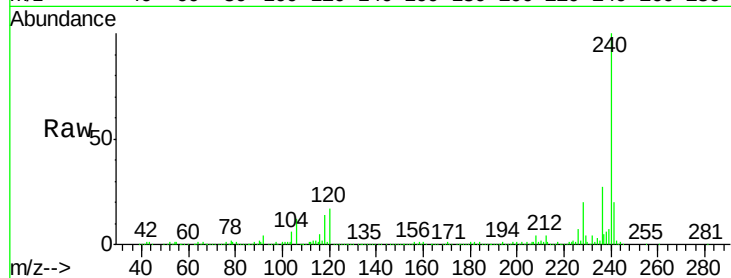
Tot Ion:240 Resp: 304079

Ion Ratio Lower Upper

240 100

120 17.1 12.9 19.3

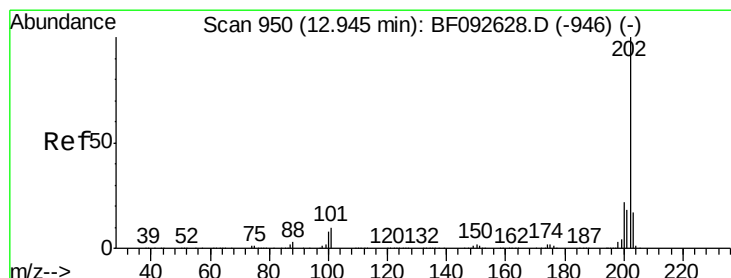
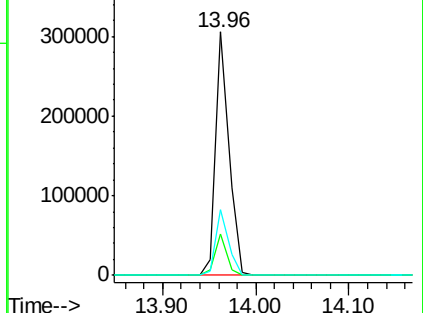
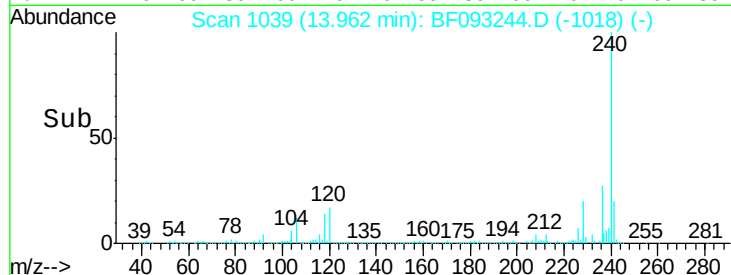
236 26.7 20.9 31.3



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: 16.35 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

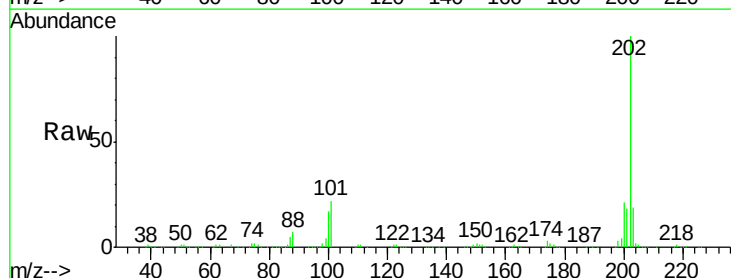
Tgt Ion:202 Resp: 371952

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

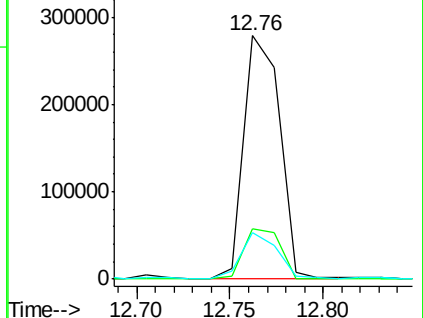
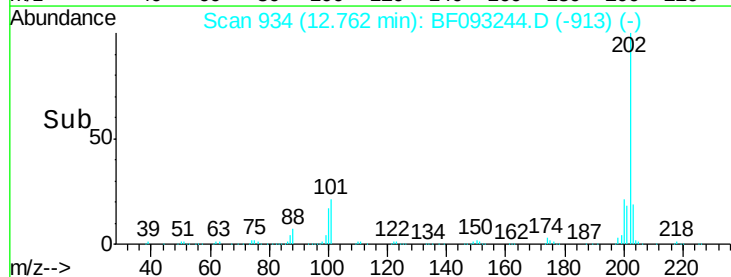
203 18.9 14.7 22.1

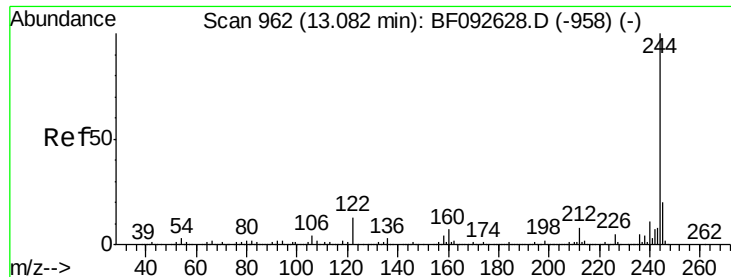


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.90 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

ClientSampled :

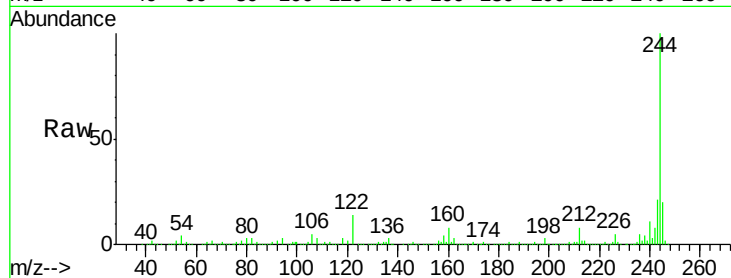
Tot Ion:244 Resp: 969368

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

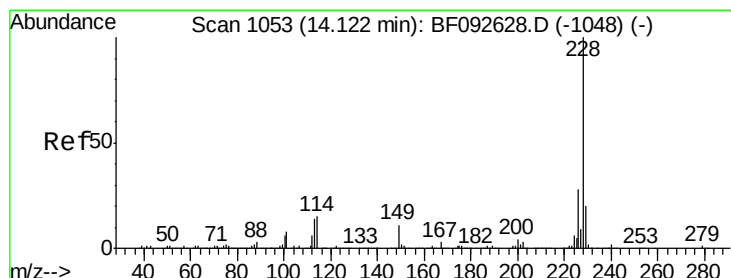
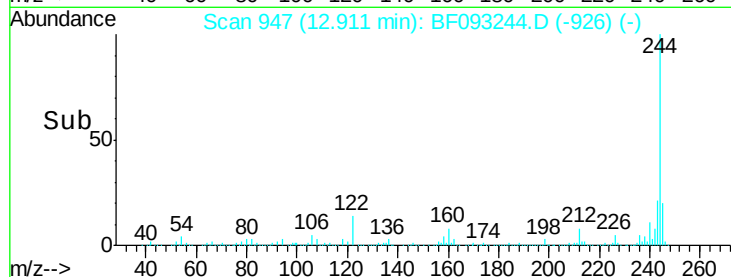
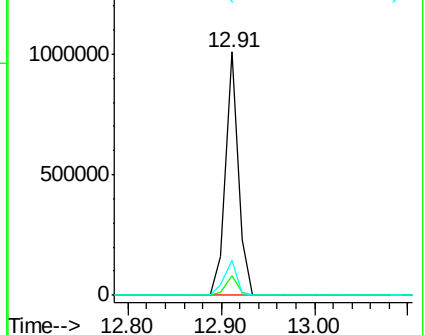
122 14.5 11.4 17.2



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



#80

Benzo(a)anthracene

Concen: 8.29 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

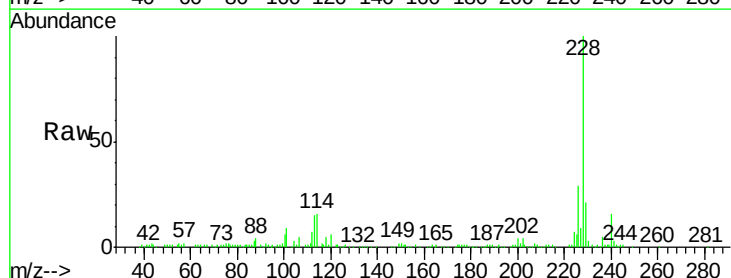
Tgt Ion:228 Resp: 154227

Ion Ratio Lower Upper

228 100

226 29.4 22.4 33.6

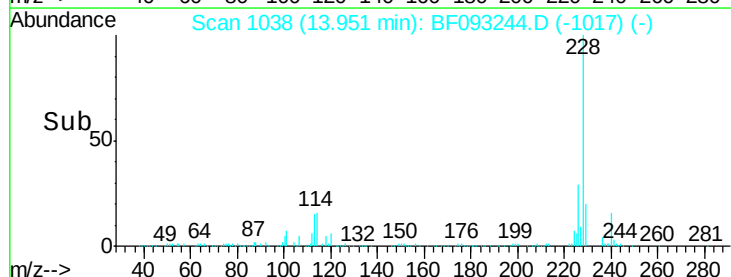
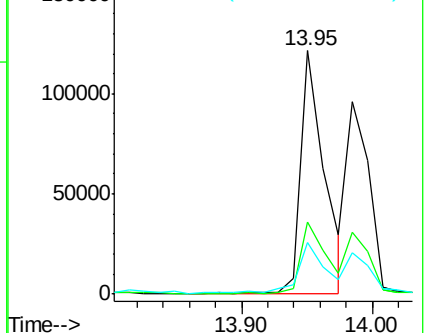
229 21.2 16.2 24.4

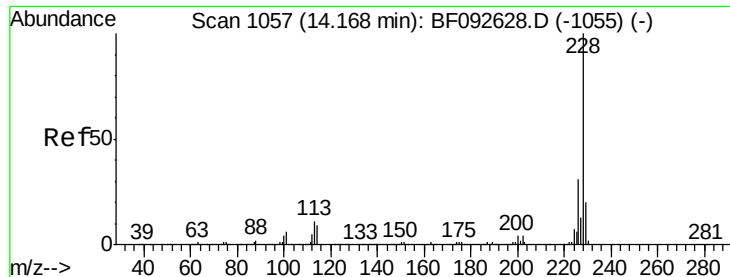


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.53 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

ClientSampleId :

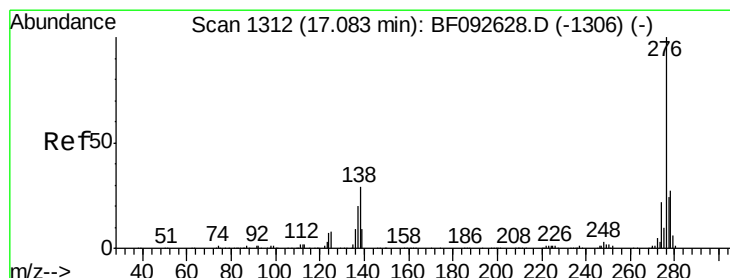
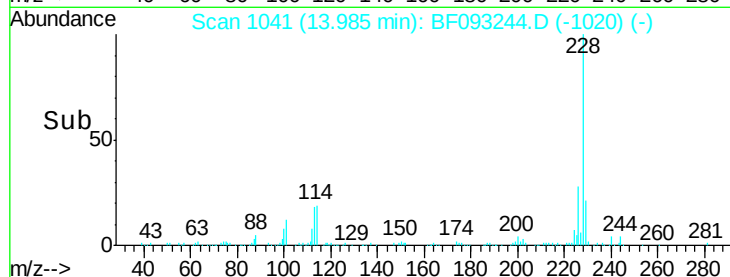
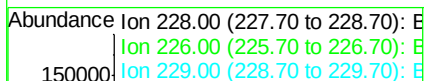
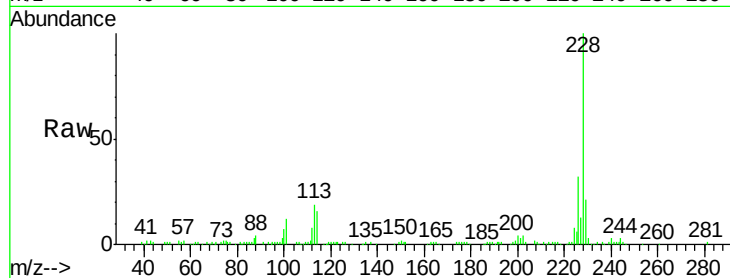
Tot Ion:228 Resp: 113642

Ion Ratio Lower Upper

228 100

226 32.3 25.4 38.0

229 21.5 16.2 24.2



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.91 ng

RT: 16.76 min Scan# 1284

Delta R.T. -0.09 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

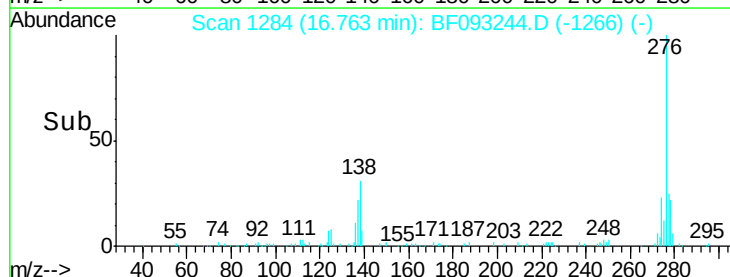
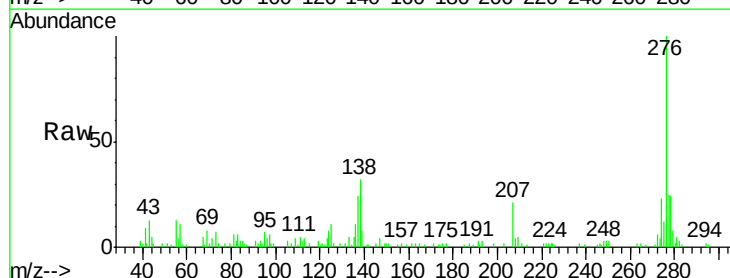
Tgt Ion:276 Resp: 52773

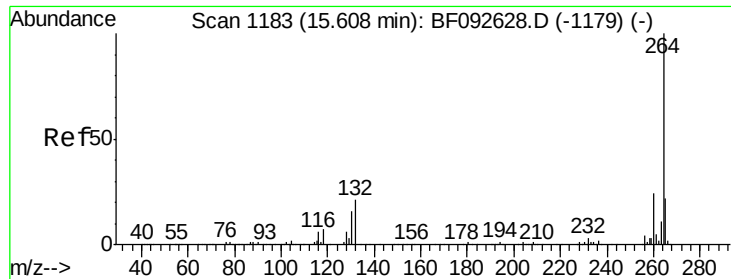
Ion Ratio Lower Upper

276 100

138 29.0 21.8 32.6

277 23.7 20.2 30.4

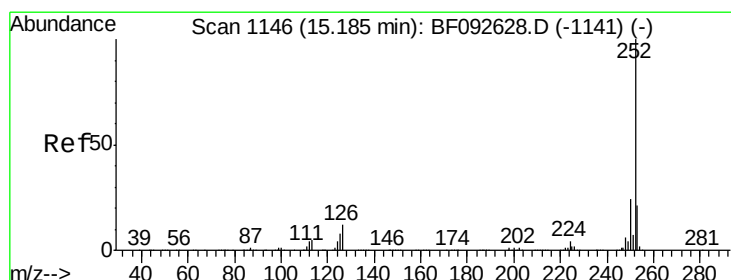
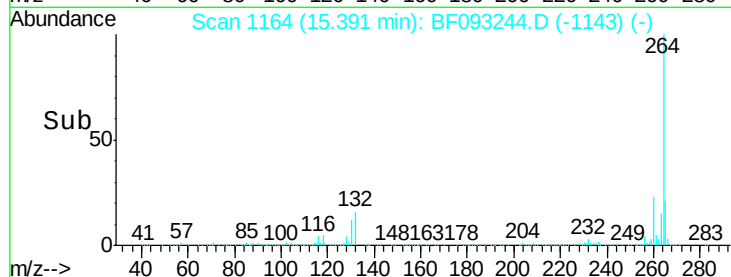
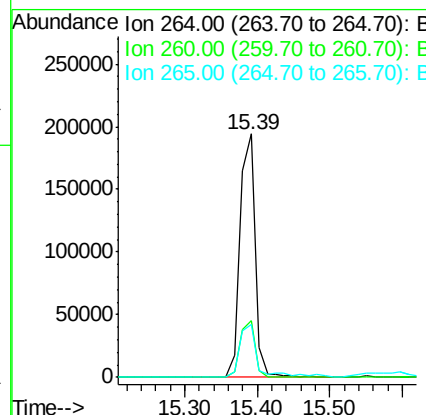
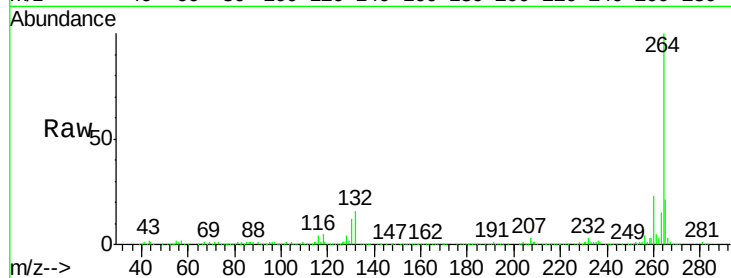




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

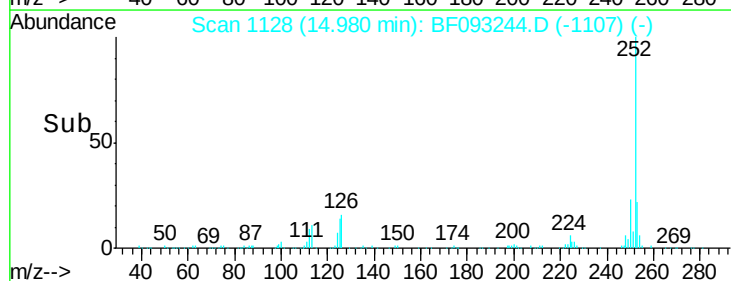
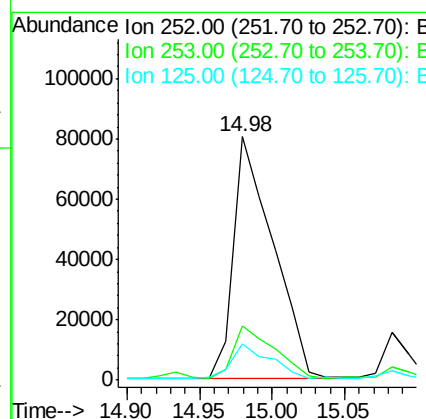
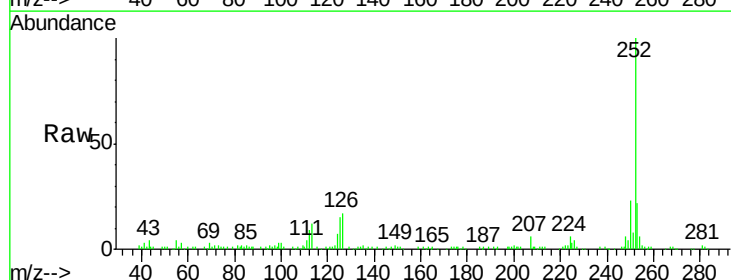
Instrument :
BNA_F
ClientSampleId :

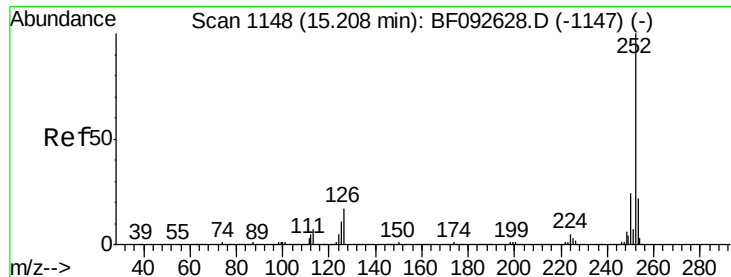
Tot Ion:264 Resp: 282946
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.5 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 8.19 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.06 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Tgt Ion:252 Resp: 152530
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 14.9 9.8 14.6#

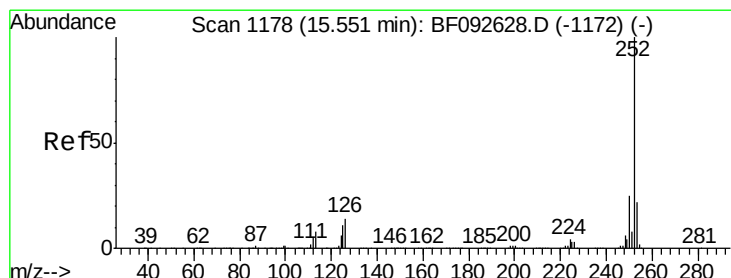
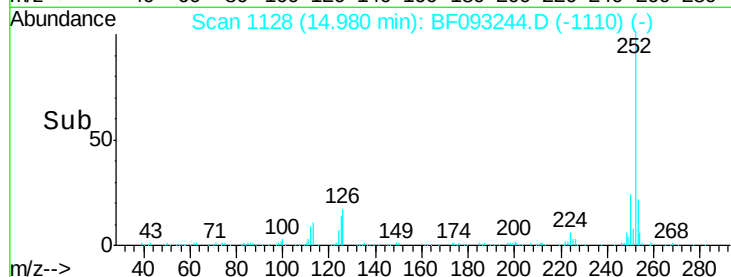
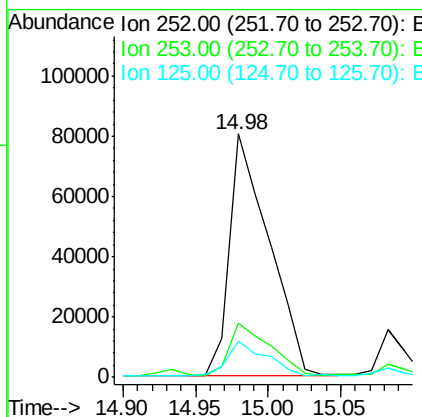
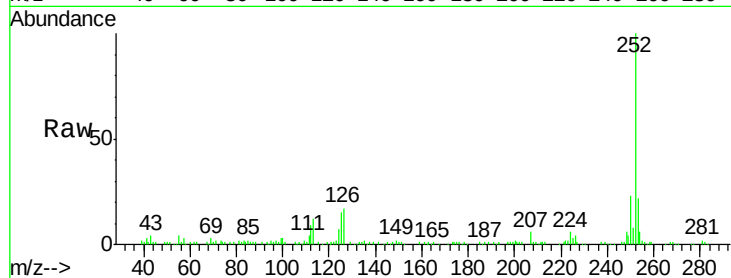




#88
Benzo(k)fluoranthene
Concen: 9.49 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.09 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

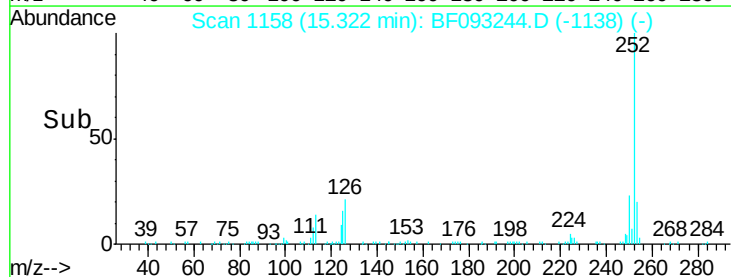
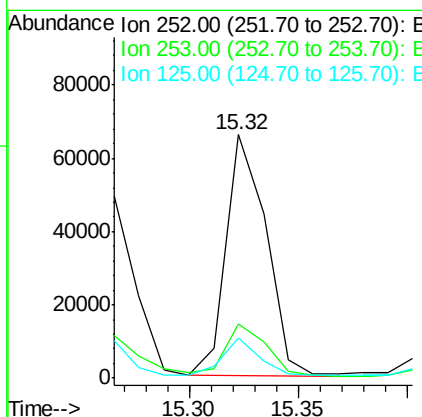
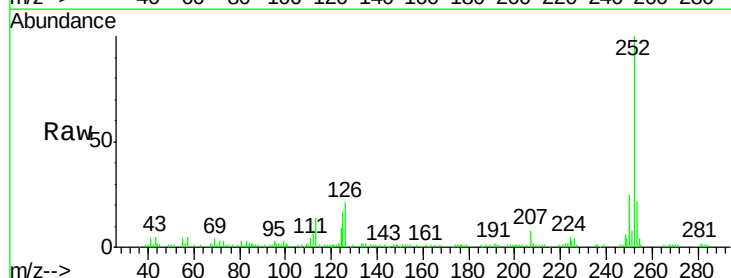
Instrument :
BNA_F
ClientSampleId :

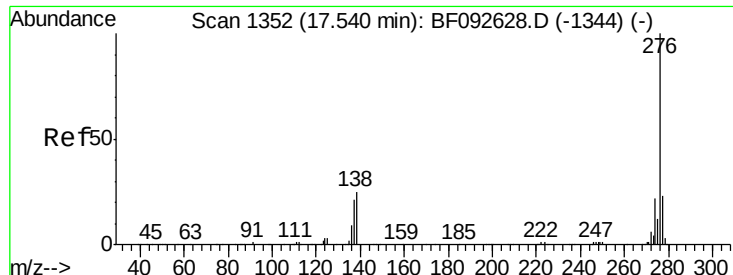
Tot Ion:252 Resp: 152530
Ion Ratio Lower Upper
252 100
253 22.1 18.5 27.7
125 14.9 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 5.24 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.07 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Tgt Ion:252 Resp: 84340
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 16.6 10.0 15.0#

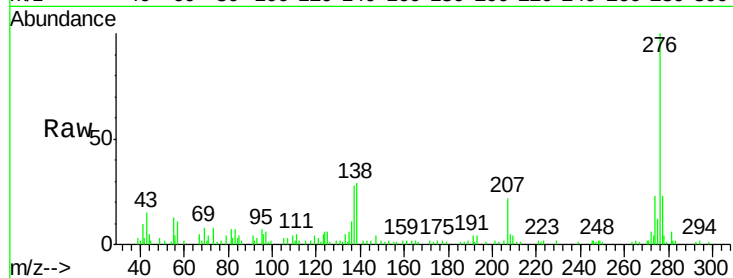




#91
 Benzo(a,h,i)perylene
 Concen: 4.05 ng
 RT: 17.19 min Scan# 1321
 Delta R.T. -0.10 min
 Lab File: BF093244.D
 Acq: 28 Feb 2017 13:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	28.8	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

