

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093202.D
 Acq On : 27 Feb 2017 12:10
 Operator : SJ/MA
 Sample : I1973-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-7

Quant Time: Feb 27 12:32:45 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

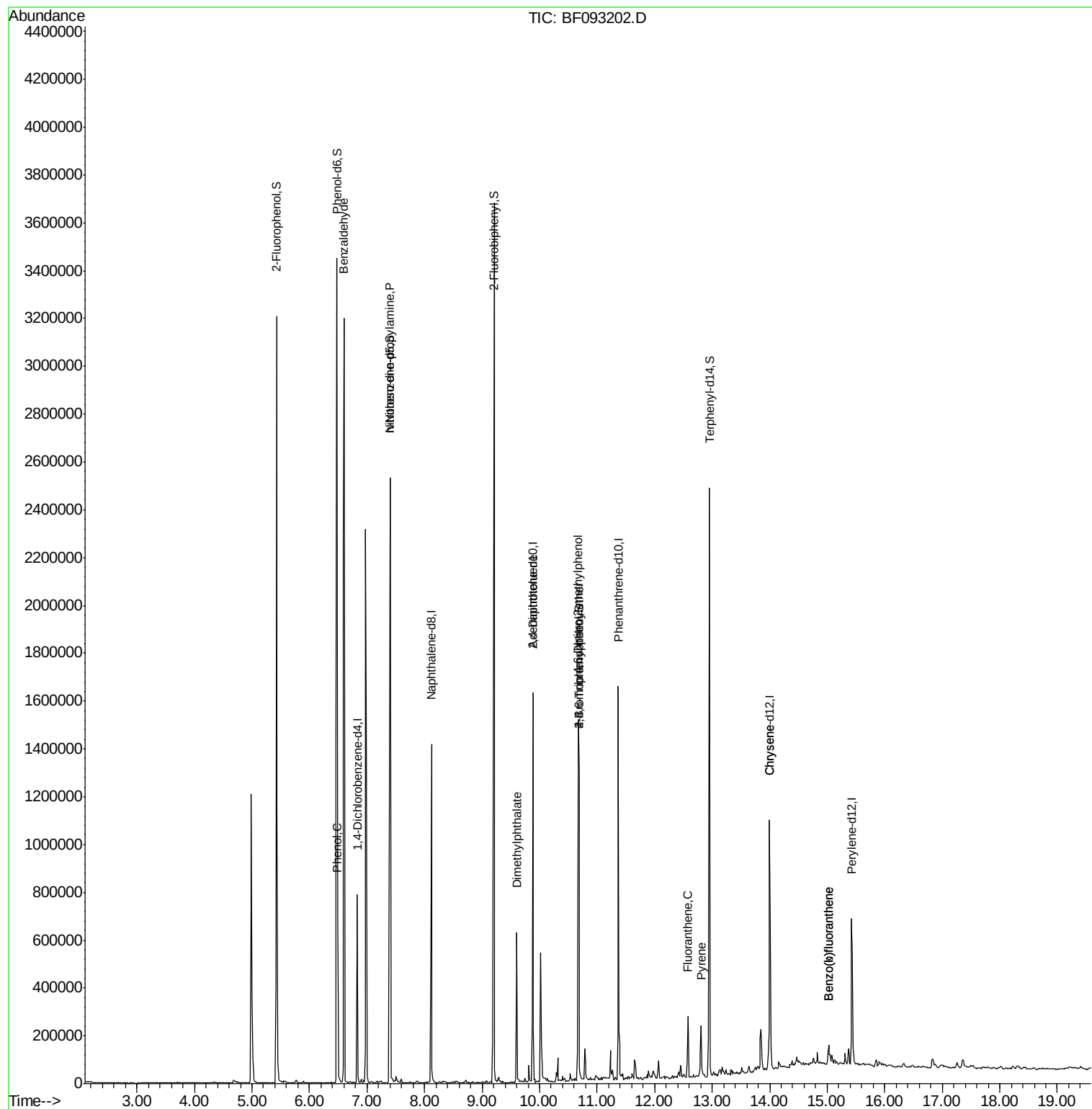
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	161025	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	668993	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	309638	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	546104	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	417351	20.00	ng	-0.02
86) Perylene-d12	15.43	264	298091	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	951279	101.35	ng	-0.02
7) Phenol-d6	6.48	99	1238494	102.55	ng	-0.01
23) Nitrobenzene-d5	7.40	82	900098	74.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	256200	114.40	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1364846	79.86	ng	-0.01
78) Terphenyl-d14	12.96	244	1061728	59.77	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.60	77	23370	2.70	ng	Qvalue 85
10) Phenol	6.49	94	120246	8.51	ng	# 72
19) n-Nitroso-di-n-propylamine	7.40	70	119280	15.52	ng	# 79
49) Dimethylphthalate	9.61	163	366404	17.57	ng	99
56) 2,4-Dinitrotoluene	9.88	165	38691	6.45	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	650	2.85	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	18039	3.16	ng	# 1
74) Fluoranthene	12.58	202	100259	3.11	ng	95
77) Pyrene	12.81	202	93662	3.00	ng	97
82) Chrysene	14.00	228	48421	2.03	ng	97
87) Benzo(b)fluoranthene	15.03	252	57630	2.94	ng	# 97
88) Benzo(k)fluoranthene	15.03	252	57630	3.40	ng	# 96

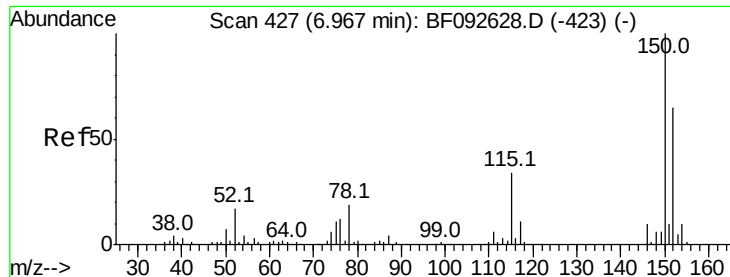
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093202.D

Acq: 27 Feb 2017 12:10

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-7

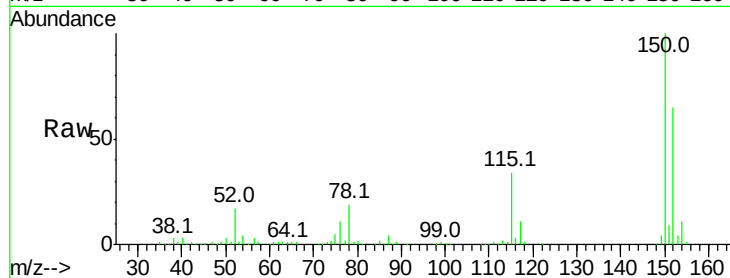
Tot Ion:152 Resp: 161025

Ion Ratio Lower Upper

152 100

150 152.9 124.9 187.3

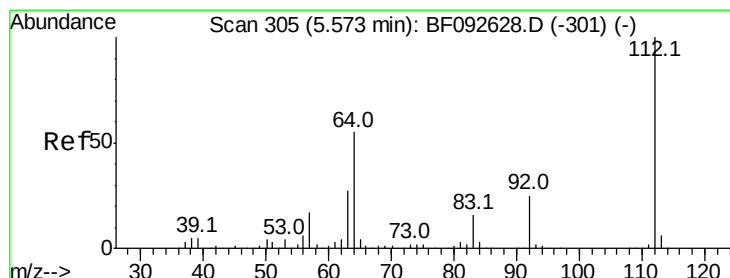
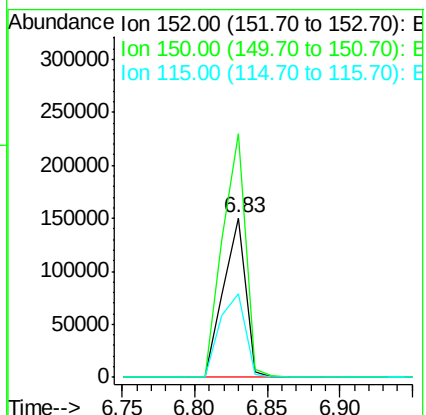
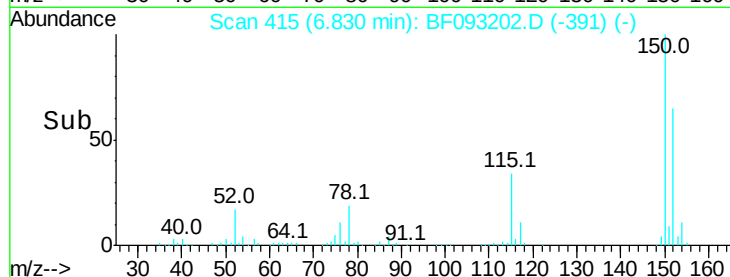
115 52.5 46.0 69.0



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: 101.35 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093202.D

Acq: 27 Feb 2017 12:10

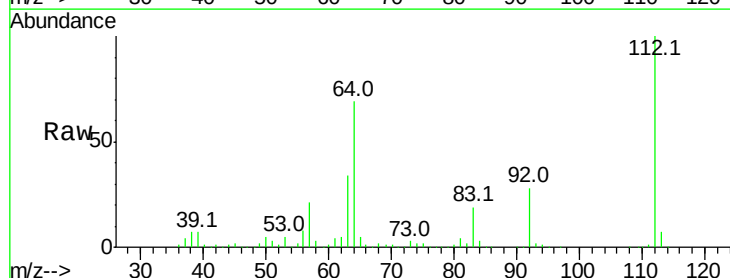
Tgt Ion:112 Resp: 951279

Ion Ratio Lower Upper

112 100

64 68.6 46.1 69.1

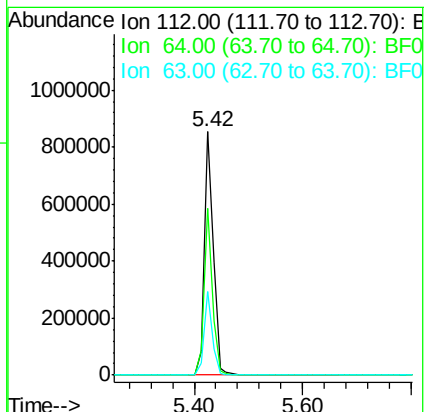
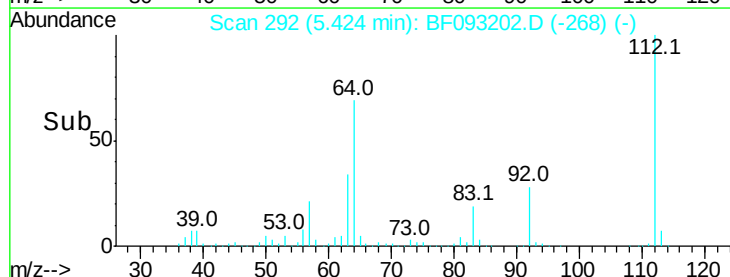
63 34.2 23.8 35.6

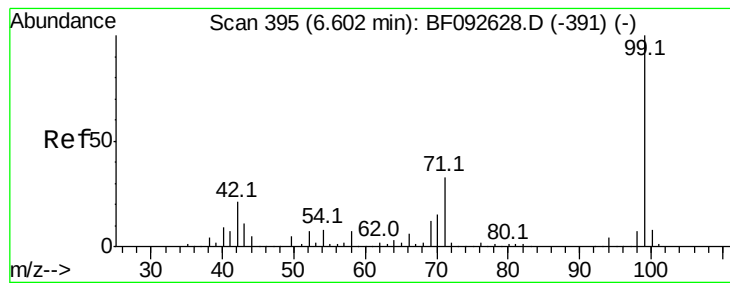


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.55 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093202.D

Acq: 27 Feb 2017 12:10

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-7

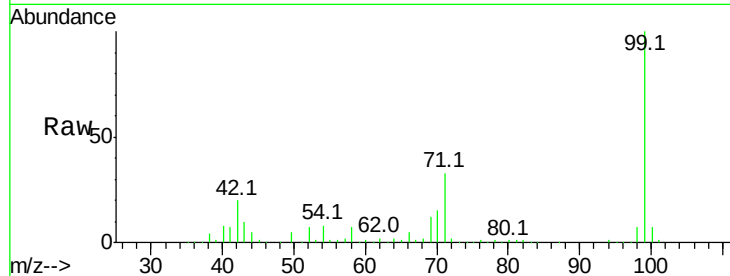
Tot Ion: 99 Resp: 1238494

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

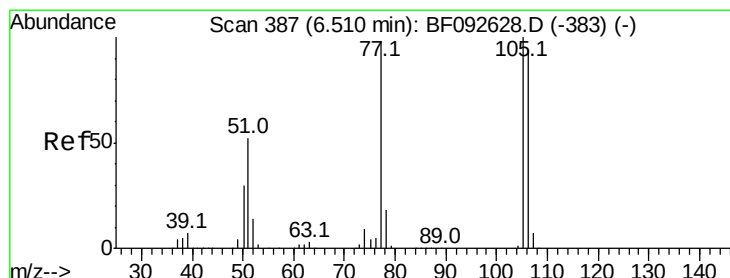
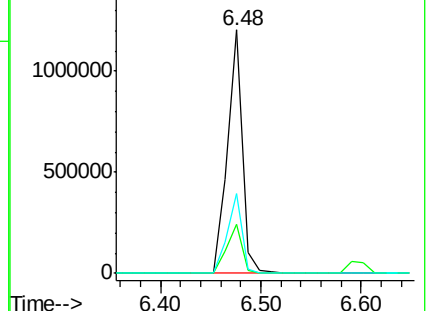
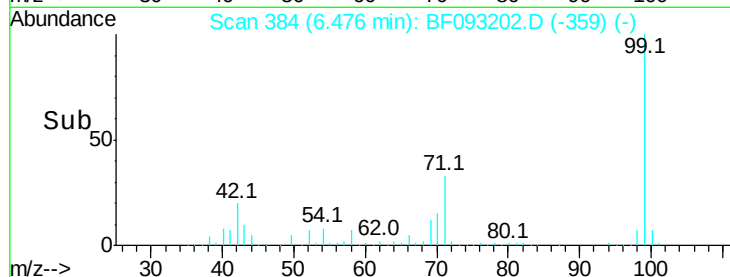
71 32.5 27.5 41.3



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



#9

Benzaldehyde

Concen: 2.70 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.21 min

Lab File: BF093202.D

Acq: 27 Feb 2017 12:10

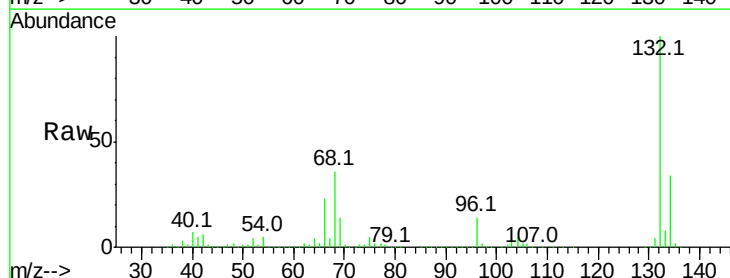
Tgt Ion: 77 Resp: 23370

Ion Ratio Lower Upper

77 100

105 90.9 83.9 123.9

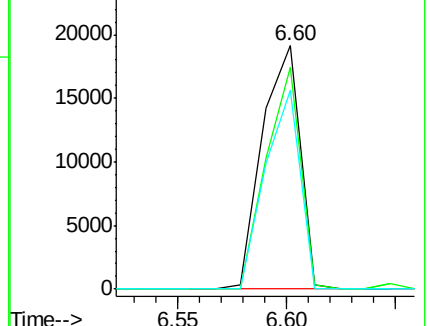
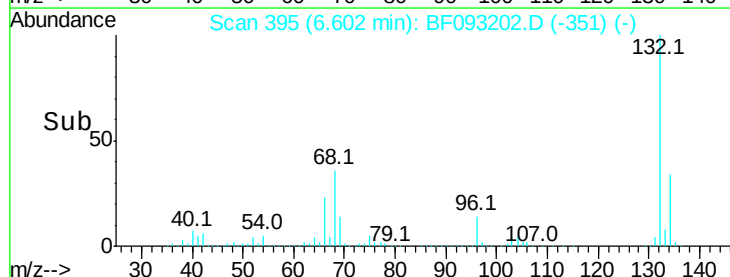
106 81.4 77.6 117.6

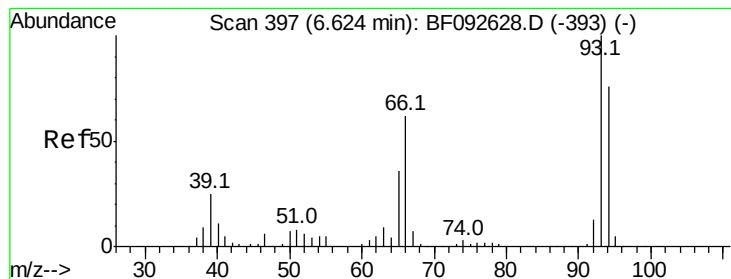


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 8.51 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093202.D

Acq: 27 Feb 2017 12:10

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-7

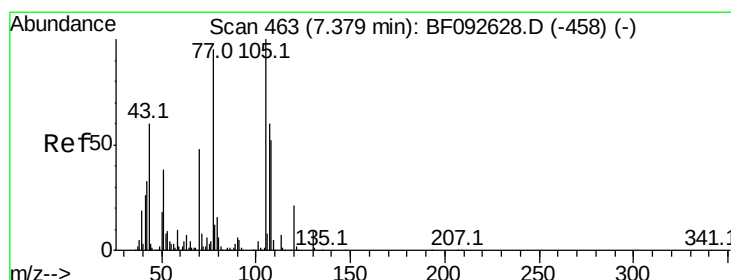
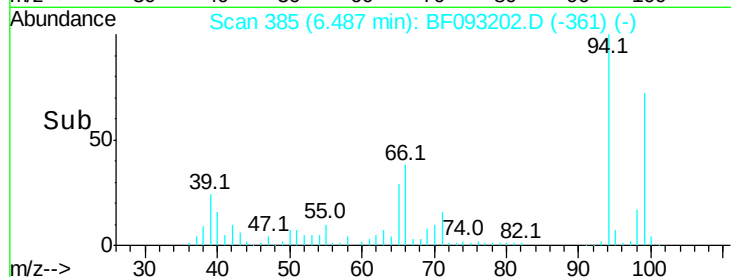
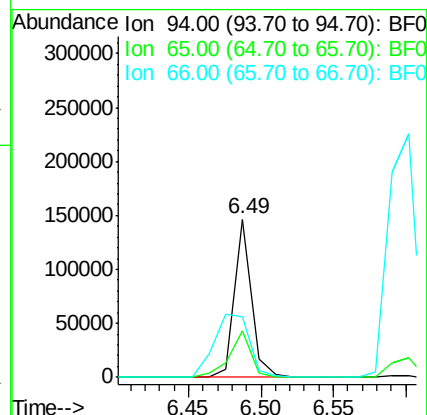
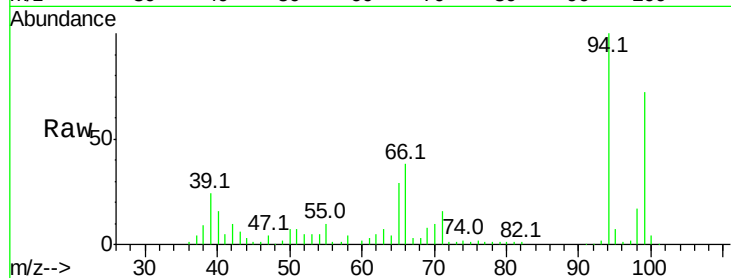
Tot Ion: 94 Resp: 120246

Ion Ratio Lower Upper

94 100

65 29.0 21.4 61.4

66 38.2 44.0 84.0#



#19

n-Nitroso-di-n-propylamine

Concen: 15.52 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093202.D

Acq: 27 Feb 2017 12:10

Tgt Ion: 70 Resp: 119280

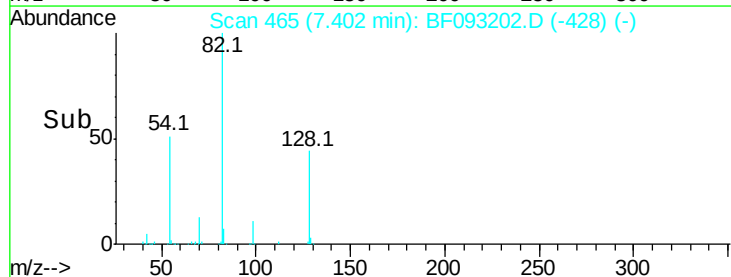
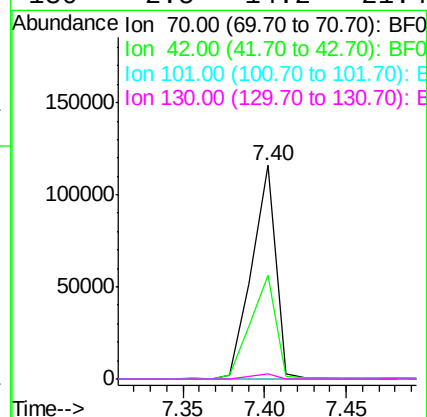
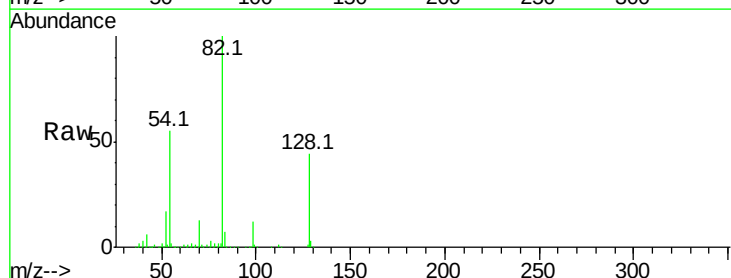
Ion Ratio Lower Upper

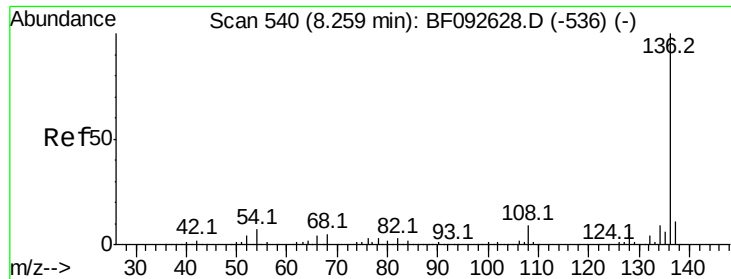
70 100

42 48.7 49.4 74.0#

101 0.0 7.4 11.2#

130 2.5 14.2 21.4#

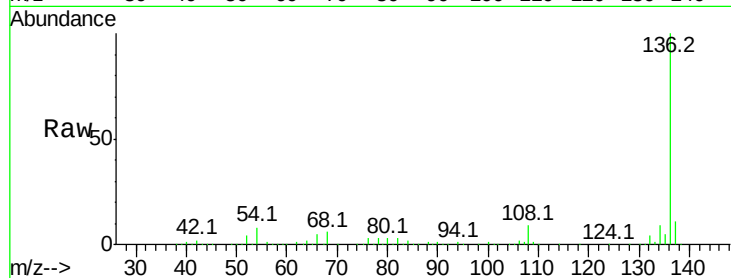




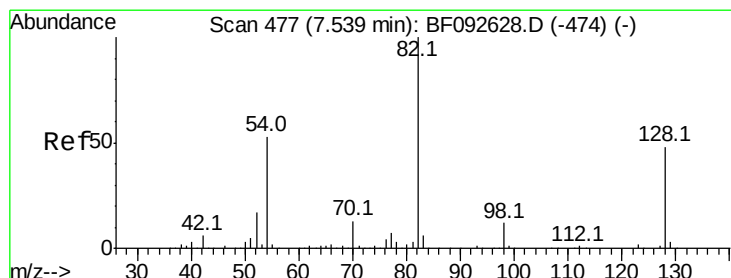
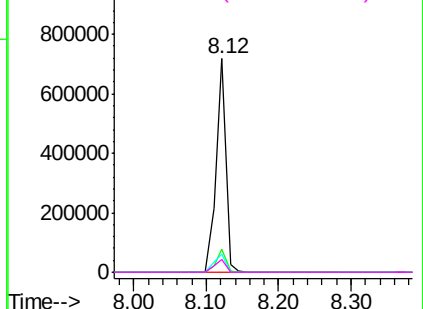
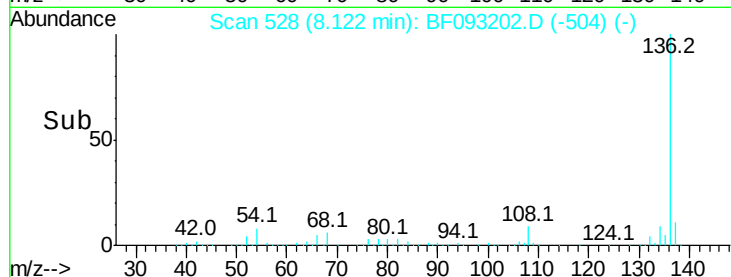
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093202.D
Acq: 27 Feb 2017 12:10

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-7

Tot Ion:136	Resp: 668993
Ion Ratio	Lower Upper
136 100	
137 10.8	8.4 12.6
54 8.5	4.5 6.7#
68 6.2	3.6 5.4#

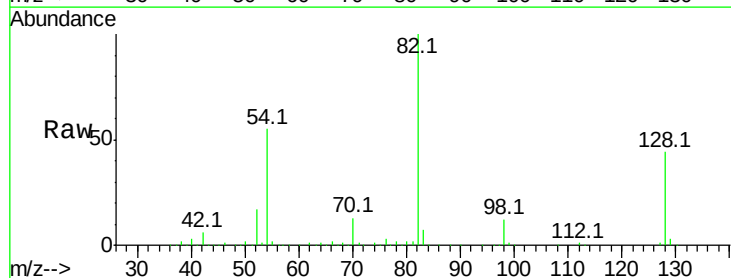


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

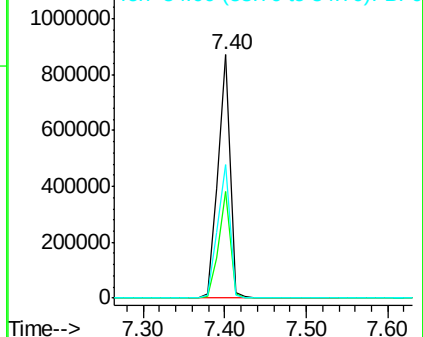
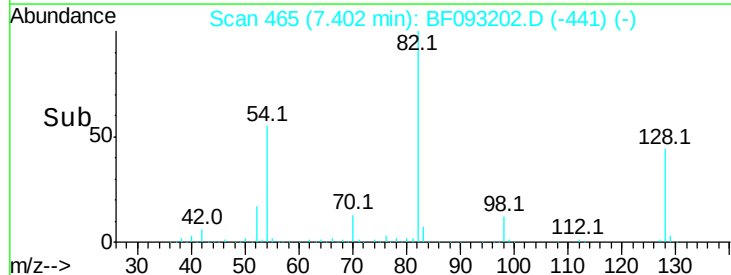


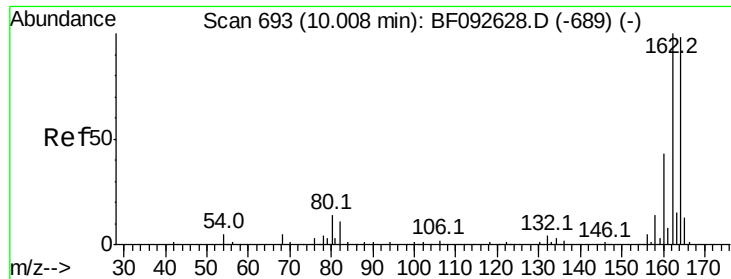
#23
Nitrobenzene-d5
Concen: 74.92 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093202.D
Acq: 27 Feb 2017 12:10

Tgt Ion: 82	Resp: 900098
Ion Ratio	Lower Upper
82 100	
128 43.8	34.6 52.0
54 54.8	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

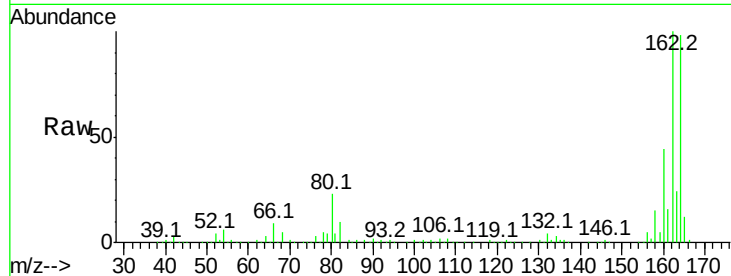




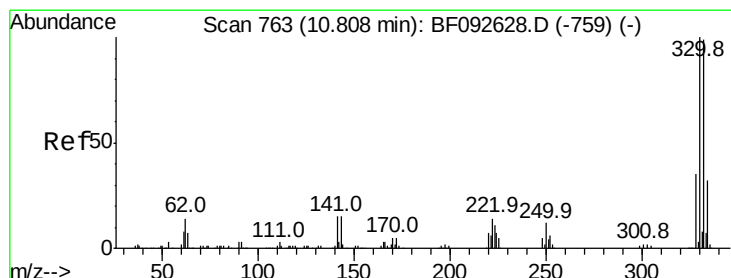
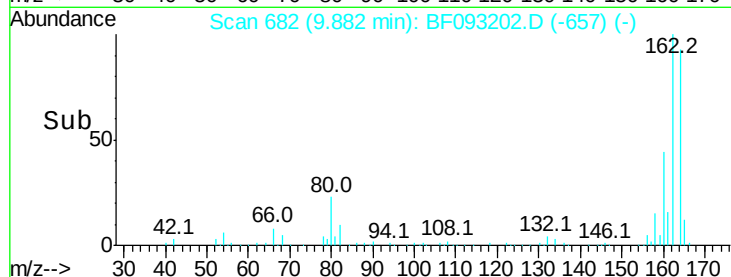
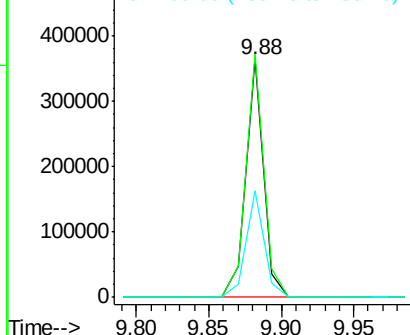
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093202.D
Acq: 27 Feb 2017 12:10

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-7

Tot Ion:164 Resp: 309638
Ion Ratio Lower Upper
164 100
162 102.1 80.2 120.2
160 44.6 36.9 55.3

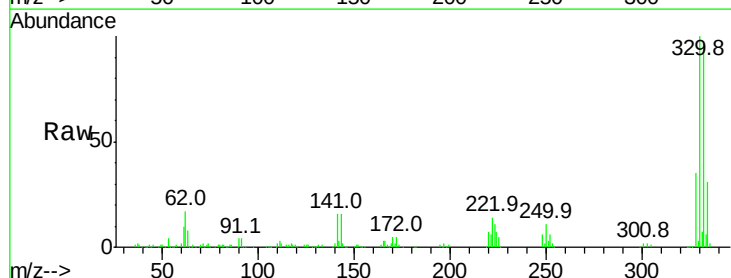


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

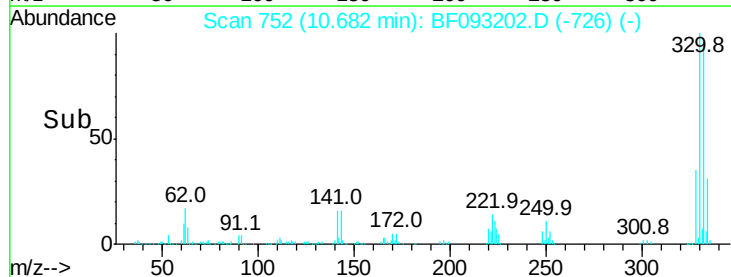
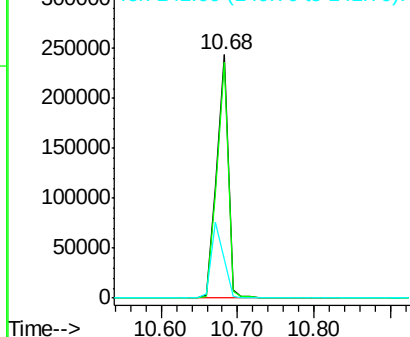


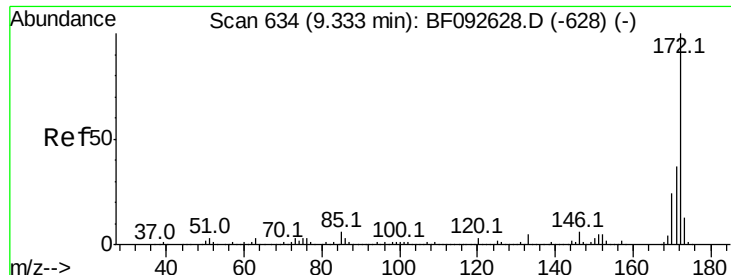
#41
2,4,6-Tribromophenol
Concen: 114.40 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF093202.D
Acq: 27 Feb 2017 12:10

Tgt Ion:330 Resp: 256200
Ion Ratio Lower Upper
330 100
332 95.7 77.4 116.2
141 33.4 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



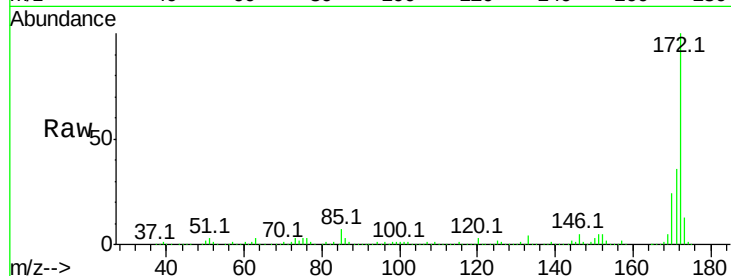


#44
 2-Fluorobiphenyl
 Concen: 79.86 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093202.D
 Acq: 27 Feb 2017 12:10

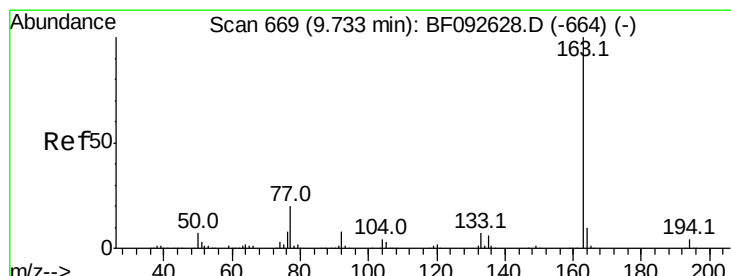
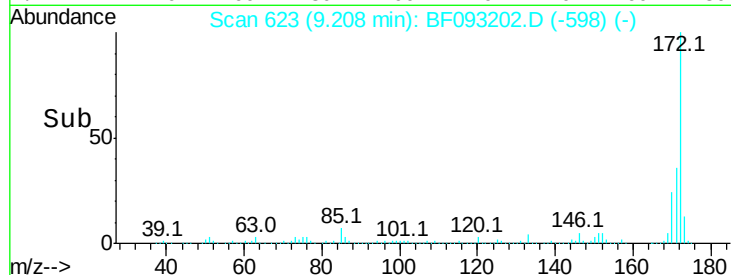
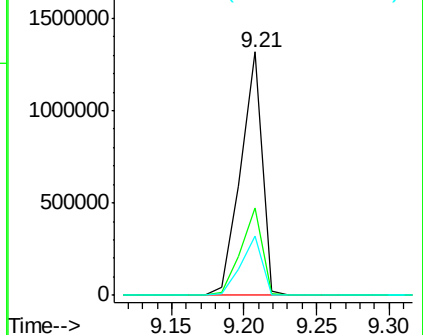
Instrument :
 BNA_F
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 E2-B1-B2-BASE-7

Tot Ion:172 Resp: 1364846

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	24.2	20.2	30.4



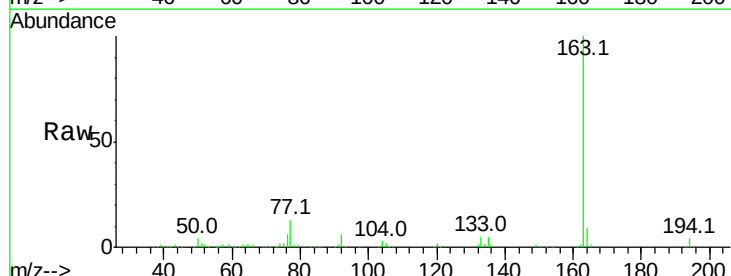
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



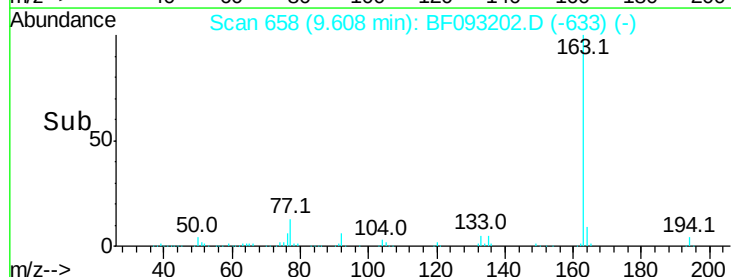
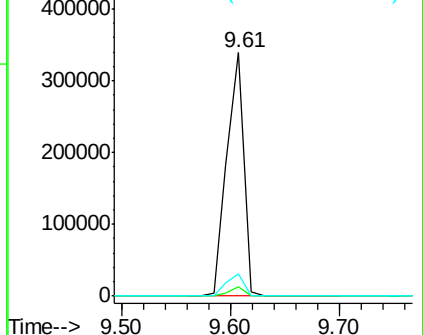
#49
 Dimethylphthalate
 Concen: 17.57 ng
 RT: 9.61 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF093202.D
 Acq: 27 Feb 2017 12:10

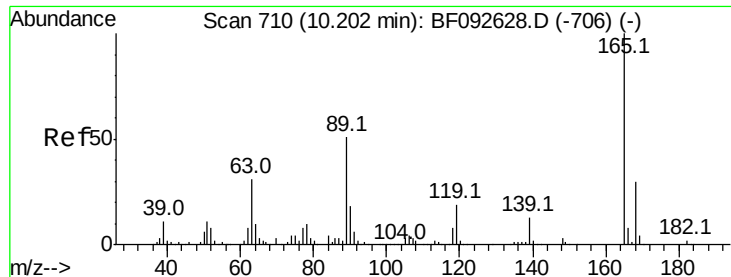
Tgt Ion:163 Resp: 366404

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	9.3	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

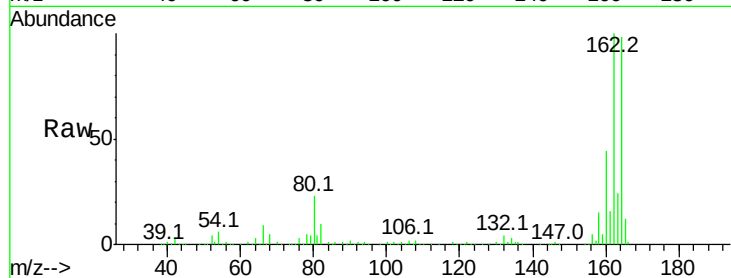




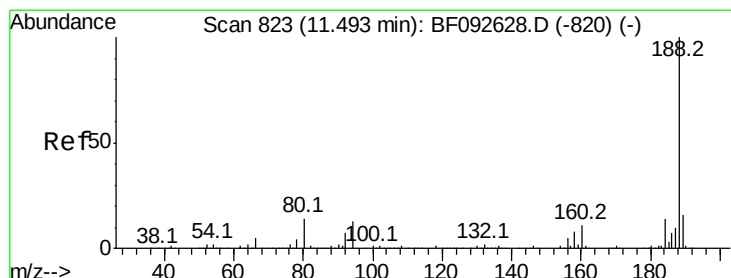
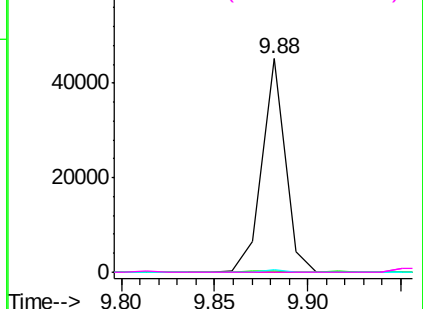
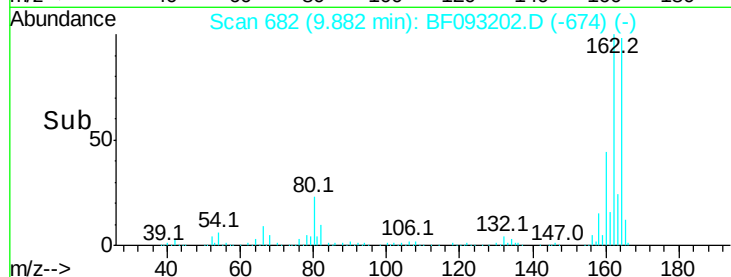
#56
 2,4-Dinitrotoluene
 Concen: 6.45 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF093202.D
 Acq: 27 Feb 2017 12:10

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-7

Tot Ion:165 Resp: 38691
 Ion Ratio Lower Upper
 165 100
 63 0.9 40.2 60.4#
 89 1.4 62.5 93.7#
 182 0.0 1.8 2.8#

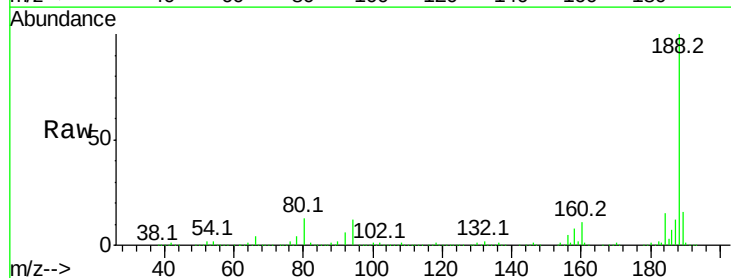


Abundance Ion 165.00 (164.70 to 165.70): E

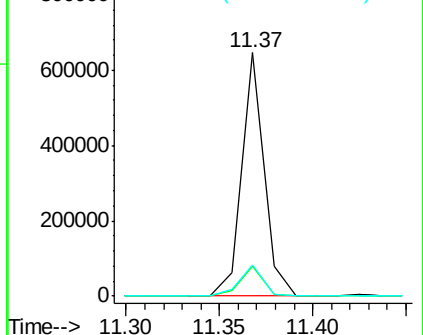
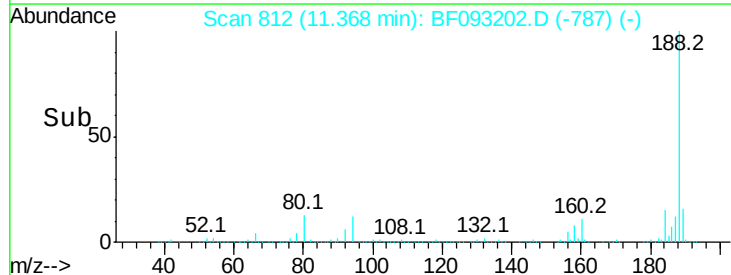


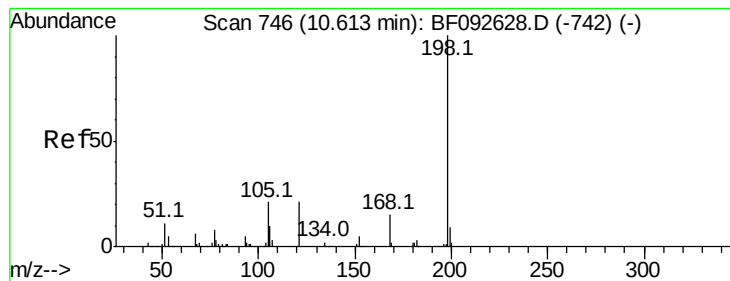
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF093202.D
 Acq: 27 Feb 2017 12:10

Tgt Ion:188 Resp: 546104
 Ion Ratio Lower Upper
 188 100
 94 12.0 10.0 15.0
 80 12.7 11.2 16.8



Abundance Ion 188.00 (187.70 to 188.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 2.85 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.17 min

Lab File: BF093202.D

Acq: 27 Feb 2017 12:10

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-7

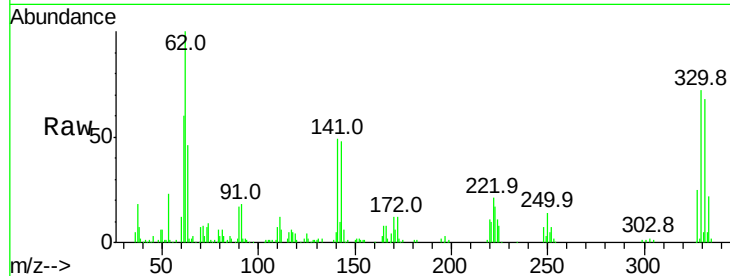
Tot Ion:198 Resp: 650

Ion Ratio Lower Upper

198 100

51 250.6 6.7 46.7#

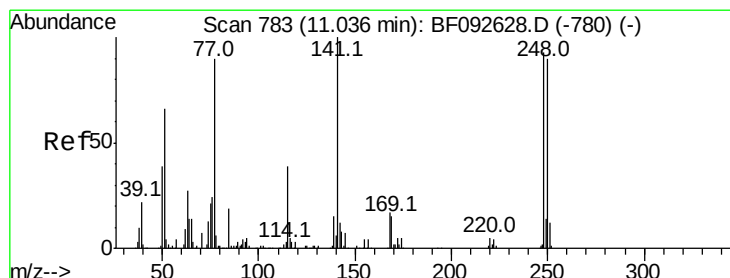
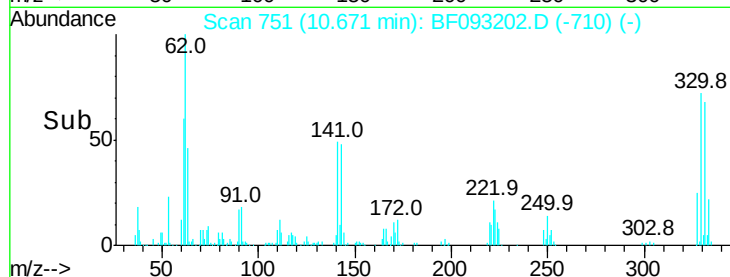
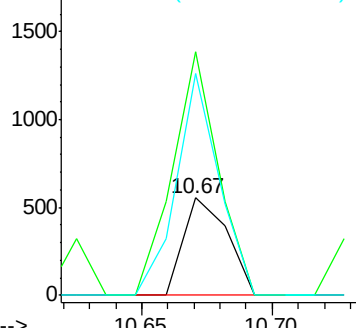
105 228.9 16.6 56.6#



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: 3.16 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093202.D

Acq: 27 Feb 2017 12:10

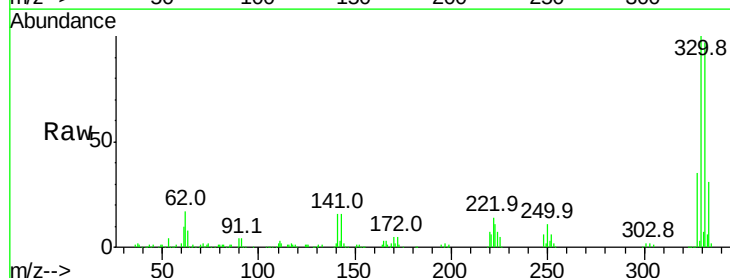
Tgt Ion:248 Resp: 18039

Ion Ratio Lower Upper

248 100

250 201.2 76.9 115.3#

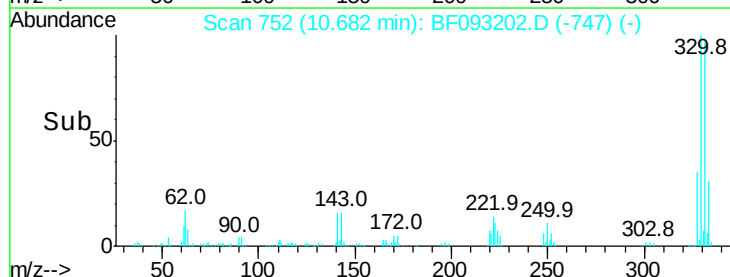
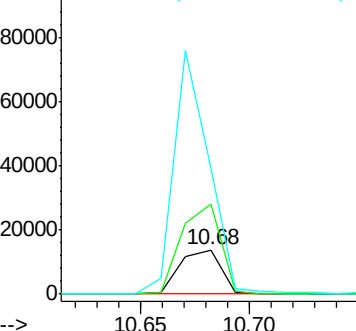
141 284.0 68.2 102.4#

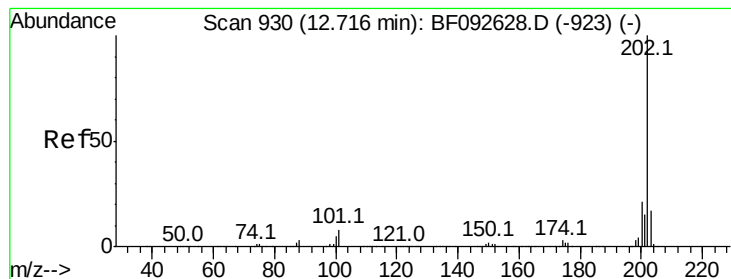


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.11 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093202.D

Acq: 27 Feb 2017 12:10

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-7

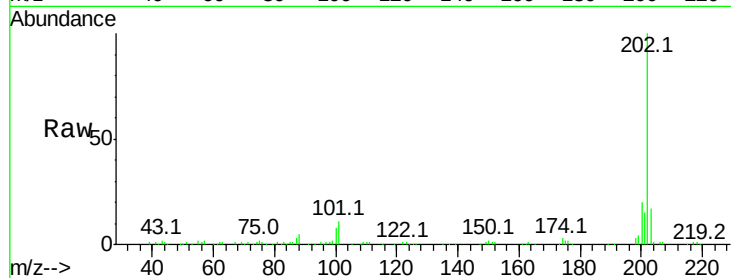
Tot Ion:202 Resp: 100259

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.6

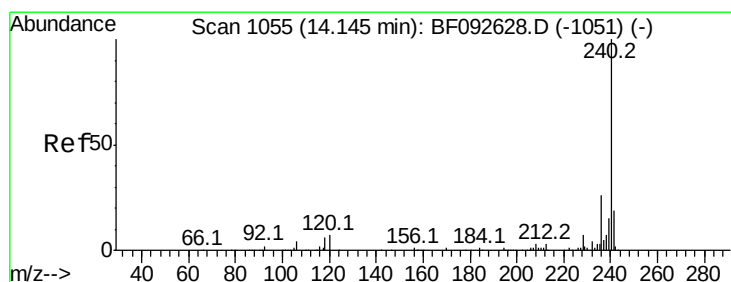
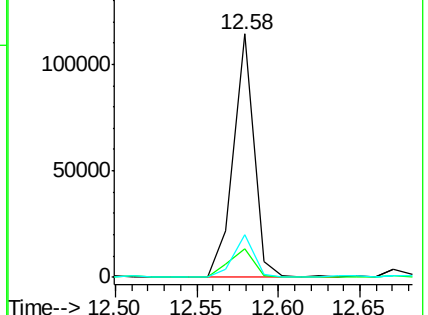
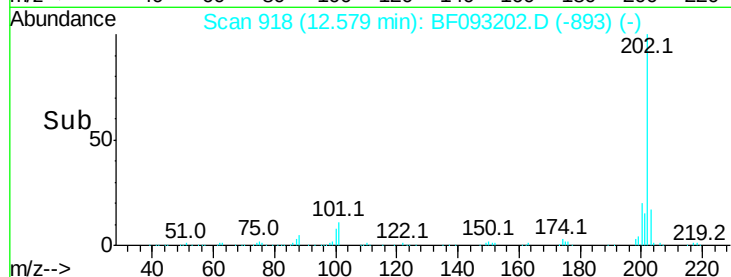
203 17.3 0.0 38.7



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: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093202.D

Acq: 27 Feb 2017 12:10

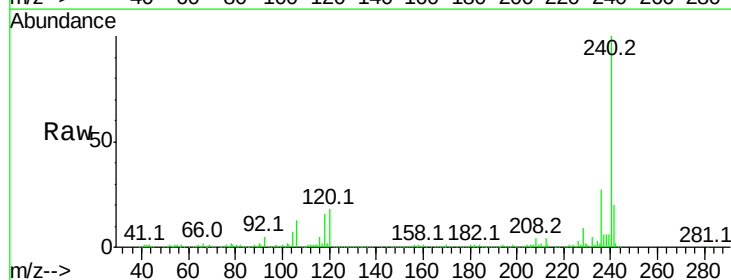
Tgt Ion:240 Resp: 417351

Ion Ratio Lower Upper

240 100

120 18.4 12.9 19.3

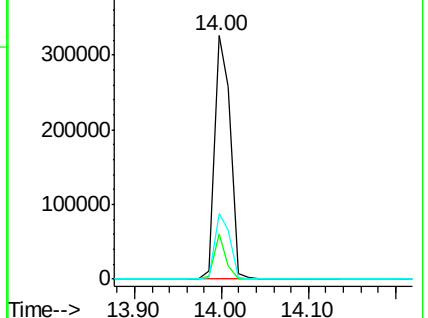
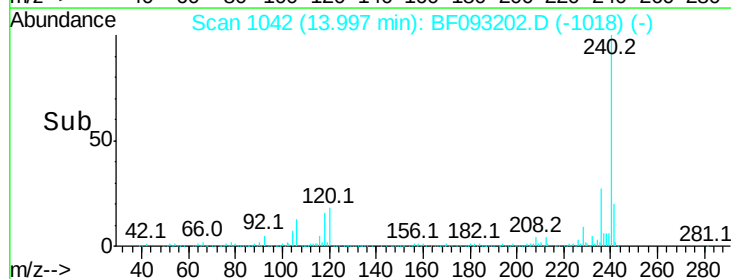
236 26.9 20.9 31.3

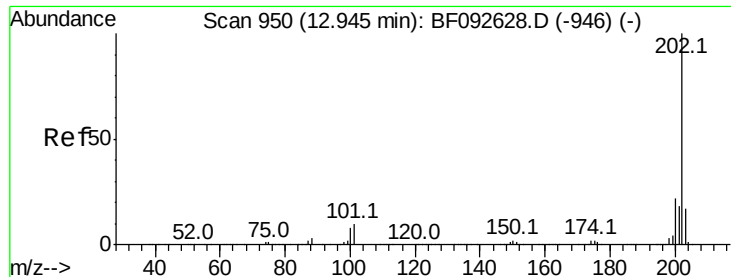


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

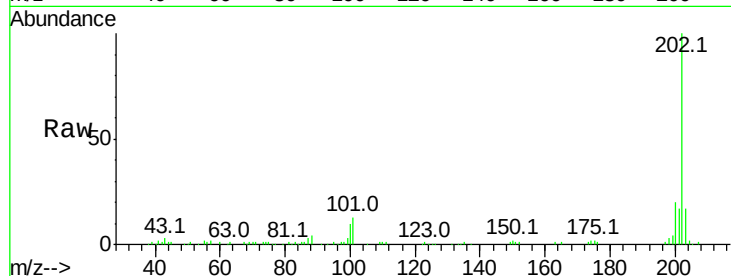




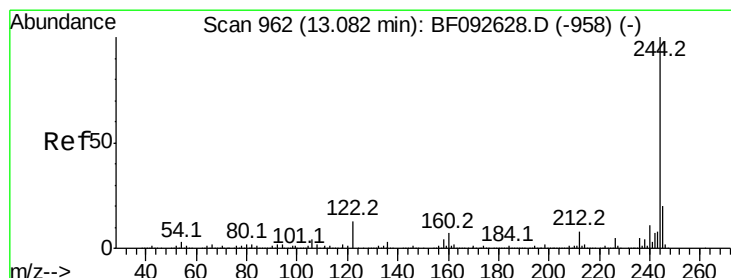
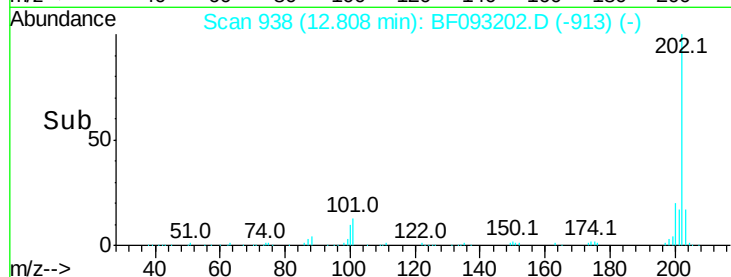
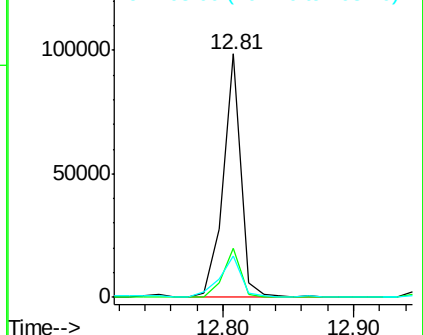
#77
Pvrene
Concen: 3.00 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF093202.D
Acq: 27 Feb 2017 12:10

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-7

Tot Ion:202 Resp: 93662
Ion Ratio Lower Upper
202 100
200 20.3 17.7 26.5
203 17.0 14.7 22.1

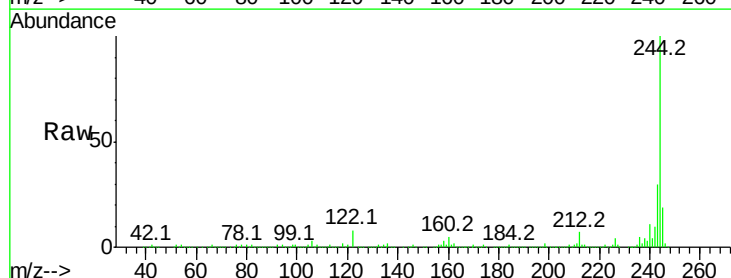


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

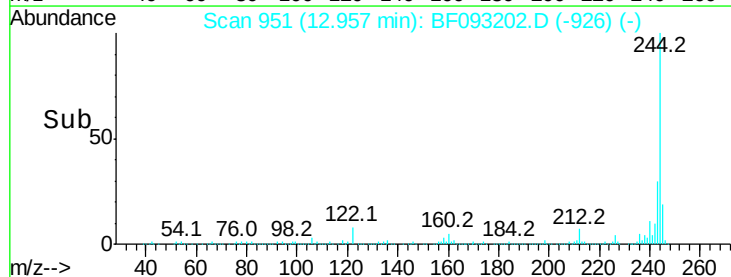
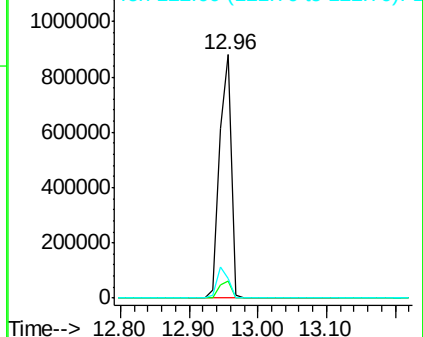


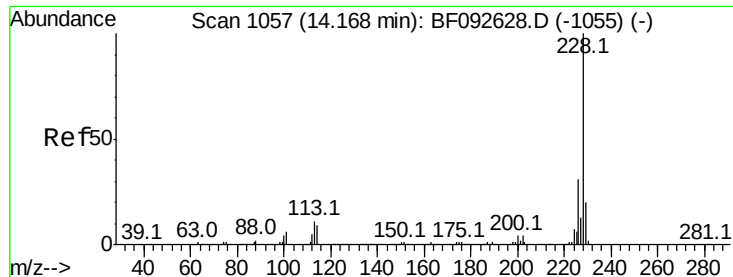
#78
Terphenyl-d14
Concen: 59.77 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF093202.D
Acq: 27 Feb 2017 12:10

Tgt Ion:244 Resp: 1061728
Ion Ratio Lower Upper
244 100
212 6.9 6.2 9.2
122 8.3 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

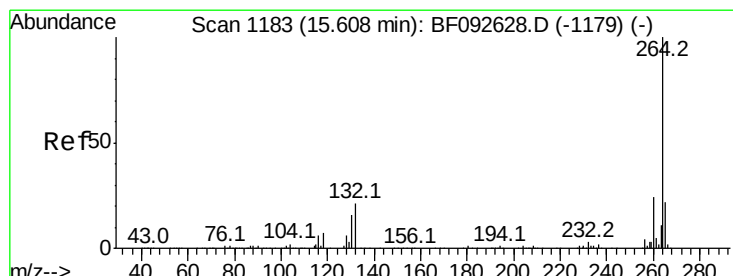
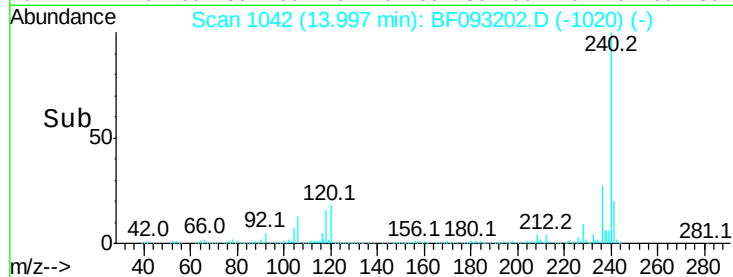
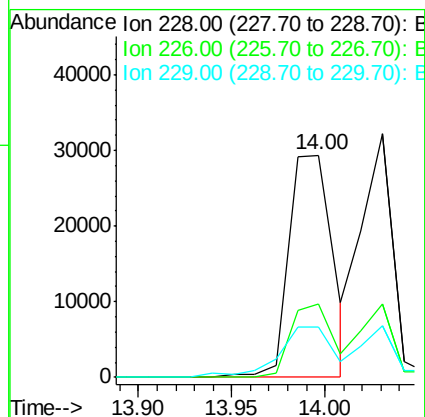
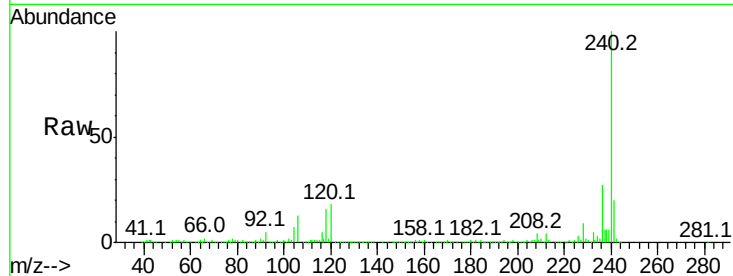




#82
Chrysene
Concen: 2.03 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093202.D
Acq: 27 Feb 2017 12:10

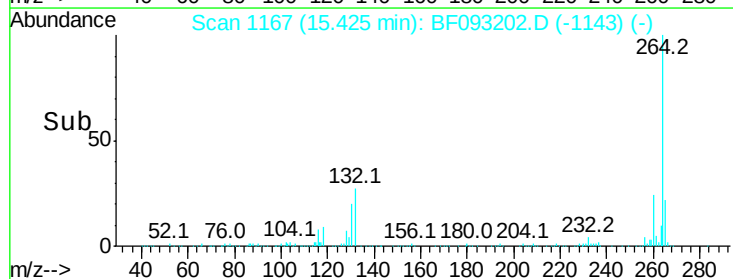
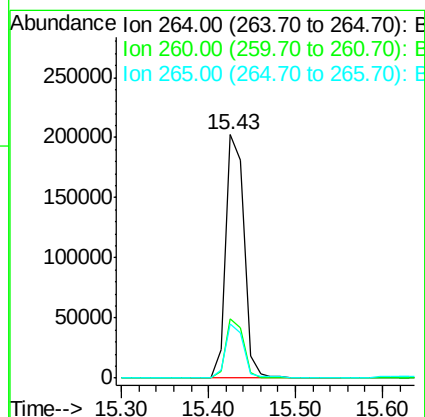
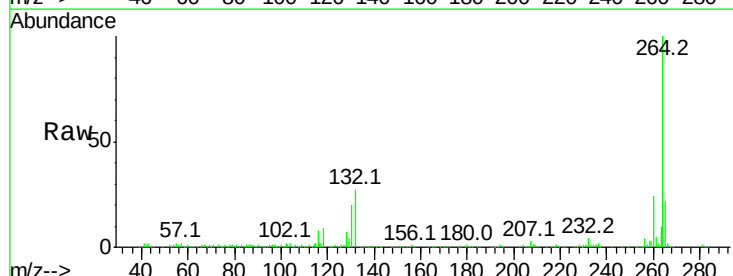
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-7

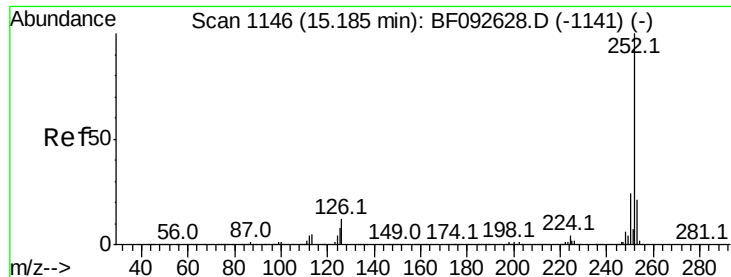
Tot Ion:228 Resp: 48421
Ion Ratio Lower Upper
228 100
226 33.1 25.4 38.0
229 22.5 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF093202.D
Acq: 27 Feb 2017 12:10

Tgt Ion:264 Resp: 298091
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.0 17.4 26.0

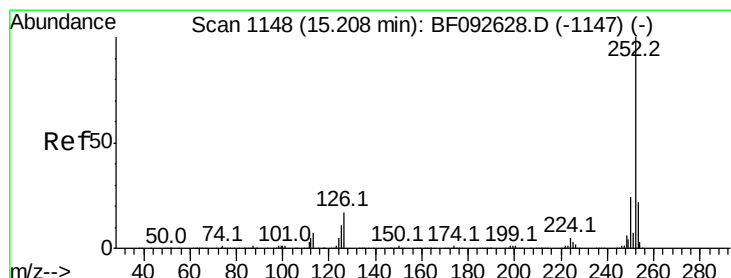
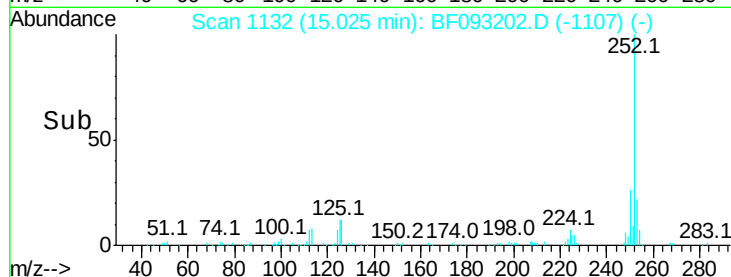
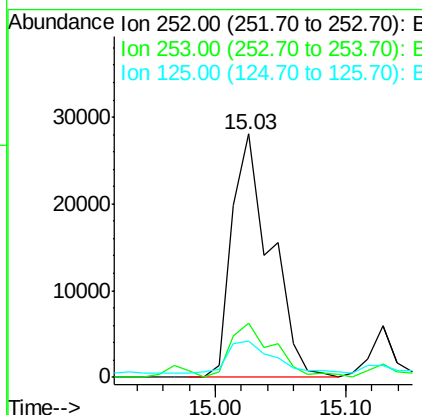
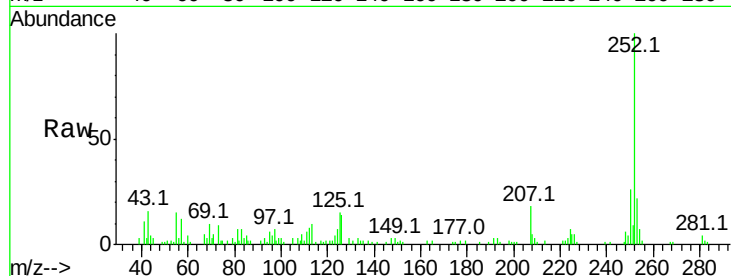




#87
Benzo(b)fluoranthene
Concen: 2.94 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093202.D
Acq: 27 Feb 2017 12:10

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-7

Tot Ion:252 Resp: 57630
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.4
125 14.7 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 3.40 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093202.D
Acq: 27 Feb 2017 12:10

Tgt Ion:252 Resp: 57630
Ion Ratio Lower Upper
252 100
253 22.4 18.5 27.7
125 14.7 8.9 13.3#

