

Data File : BF093050.D
Acq On : 21 Feb 2017 1:17
Operator : SJ/MA
Sample : I1913-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-ABCD-COMP

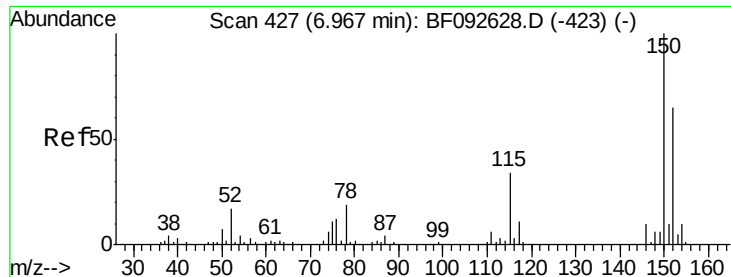
Quant Time: Feb 21 02:30:32 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	155710	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	597214	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	288705	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	478496	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	316539	20.00	ng	-0.01
86) Perylene-d12	15.44	264	274438	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1207893	133.09	ng	0.00
7) Phenol-d6	6.49	99	1458454	124.89	ng	0.00
23) Nitrobenzene-d5	7.41	82	885617	82.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	273368	130.92	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1572595	98.68	ng	0.00
78) Terphenyl-d14	12.96	244	1096270	81.38	ng	-0.01

Target Compounds						Qvalue
10) Phenol	6.50	94	57759	4.23	ng	# 69
19) n-Nitroso-di-n-propylamine	7.41	70	113882	15.32	ng	# 82
25) Isophorone	7.41	82	717016	35.88	ng	# 65
49) Dimethylphthalate	9.62	163	620618	31.91	ng	99
56) 2,4-Dinitrotoluene	9.89	165	38355	6.86	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	625	2.87	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	20149	4.03	ng	# 1
70) Phenanthrene	11.39	178	174523	6.37	ng	98
74) Fluoranthene	12.58	202	247147	8.74	ng	97
77) Pyrene	12.81	202	208801	8.81	ng	98
80) Benzo(a)anthracene	14.00	228	92560	4.78	ng	99
82) Chrysene	14.00	228	92560	5.11	ng	95
85) Indeno(1,2,3-cd)pyrene	16.83	276	39941	2.84	ng	95
87) Benzo(b)fluoranthene	15.03	252	103367	5.72	ng	97
88) Benzo(k)fluoranthene	15.03	252	103367	6.63	ng	# 96
89) Benzo(a)pyrene	15.37	252	53813	3.44	ng	# 93
91) Benzo(g,h,i)perylene	17.25	276	35444	2.78	ng	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

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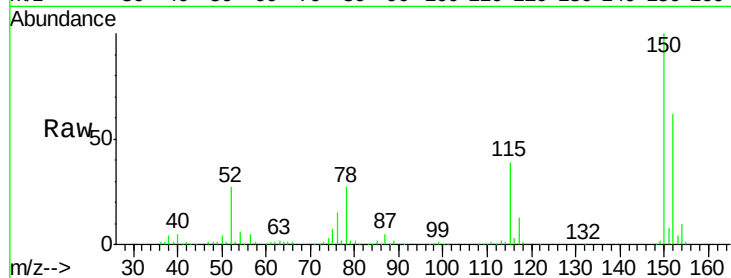
Tgt Ion:152 Resp: 155710

Ion Ratio Lower Upper

152 100

150 160.3 124.9 187.3

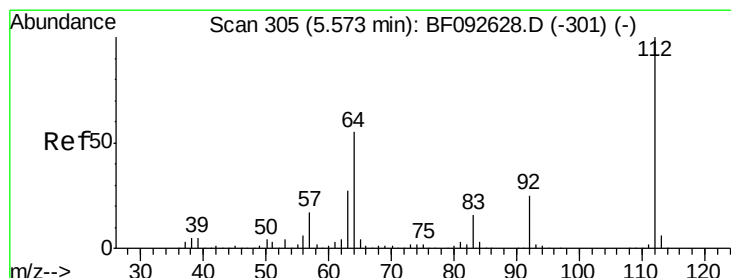
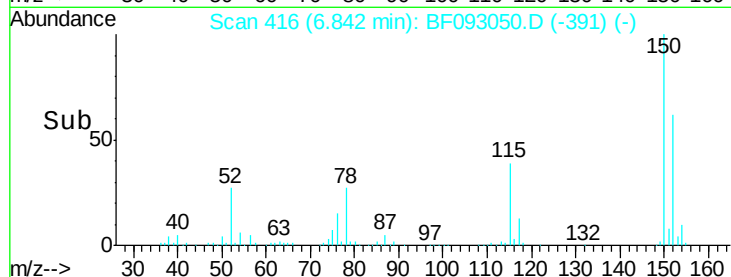
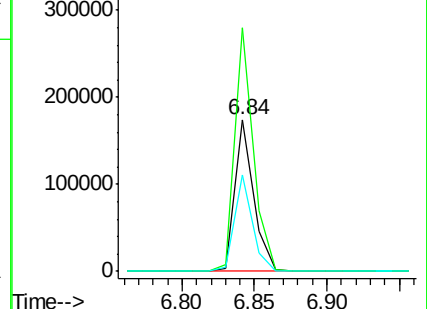
115 63.1 46.0 69.0



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: 133.09 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.00 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

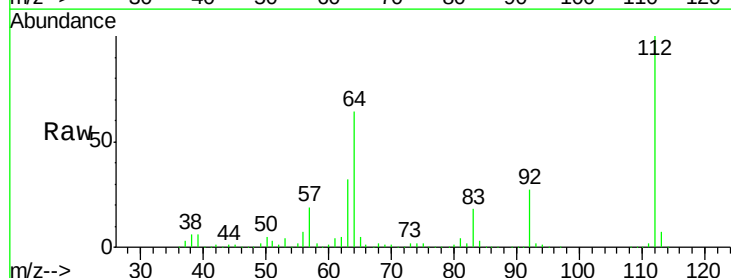
Tgt Ion:112 Resp: 1207893

Ion Ratio Lower Upper

112 100

64 64.3 46.1 69.1

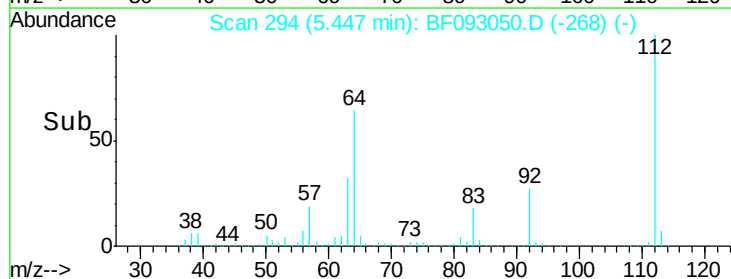
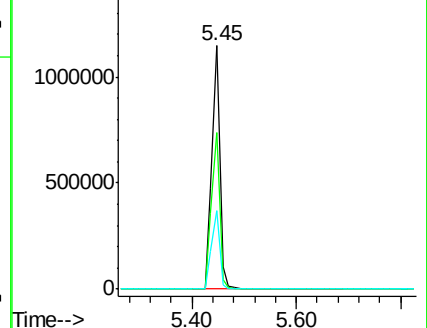
63 32.2 23.8 35.6

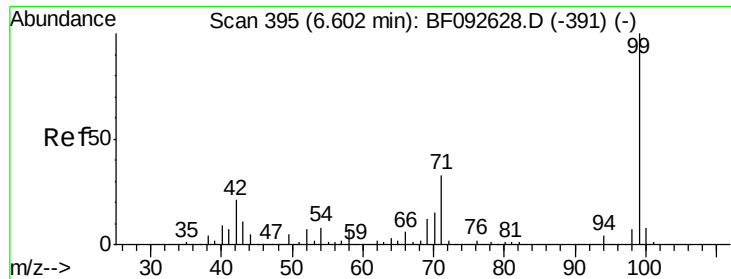


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.89 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

Instrument :

BNA_F

ClientSampleId :

SP-ABCD-COMP

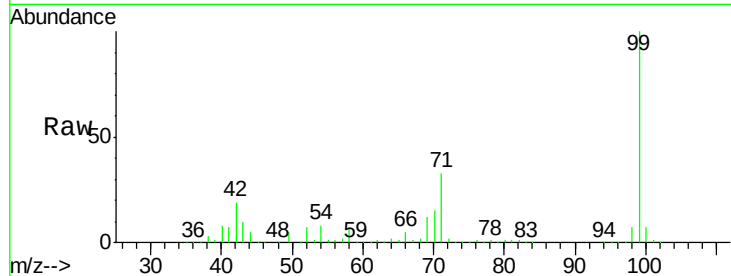
Tgt Ion: 99 Resp: 1458454

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

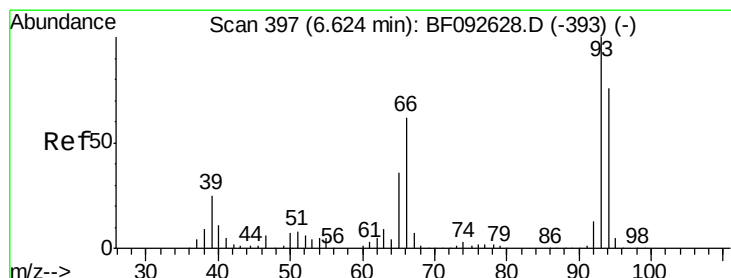
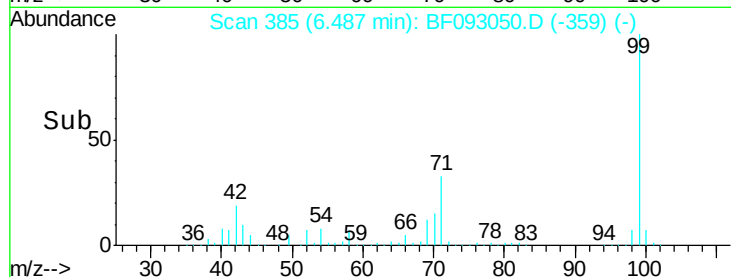
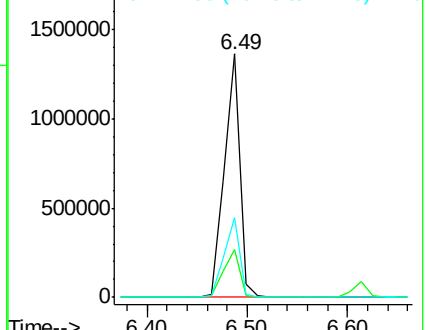
71 32.9 27.5 41.3



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: 4.23 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

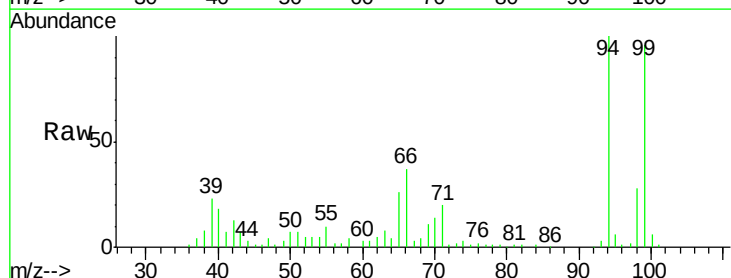
Tgt Ion: 94 Resp: 57759

Ion Ratio Lower Upper

94 100

65 25.7 21.4 61.4

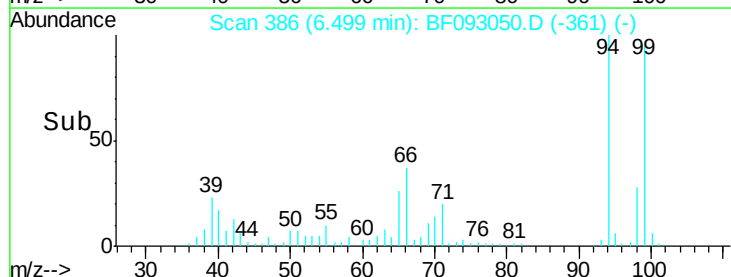
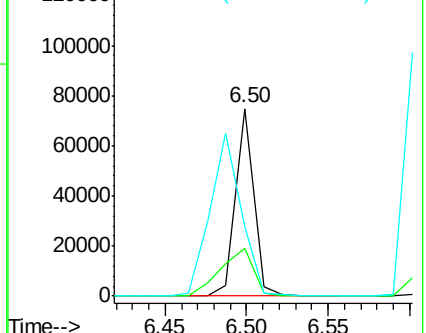
66 37.0 44.0 84.0#

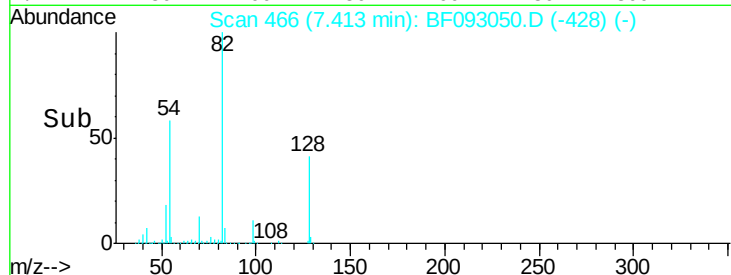
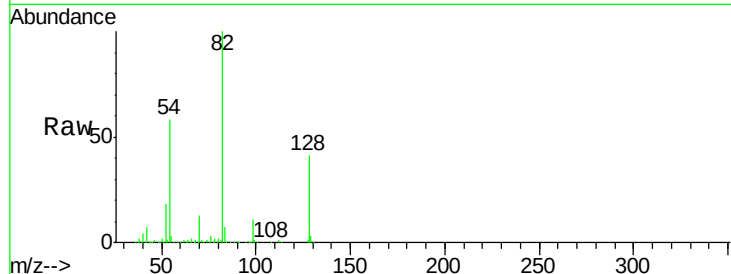
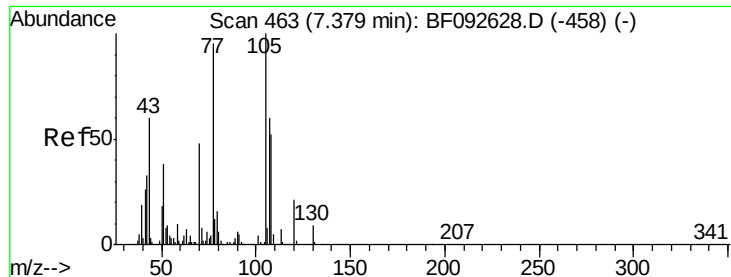


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

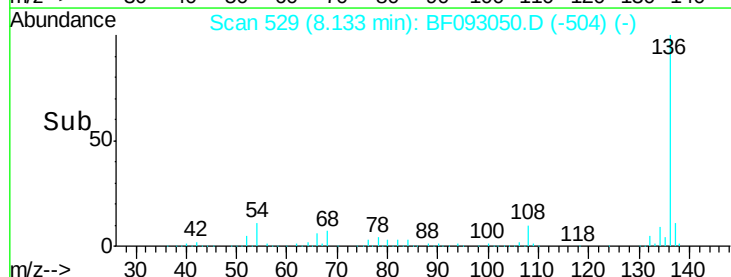
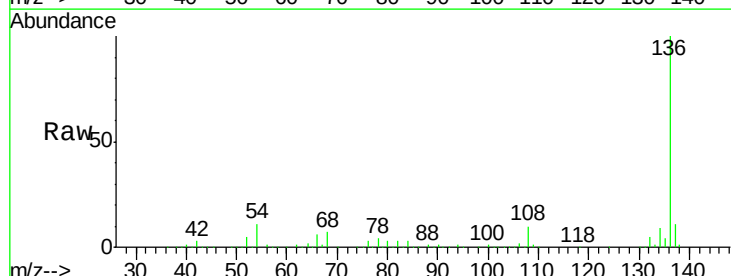
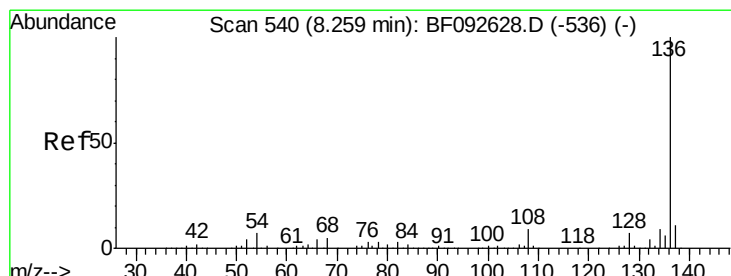
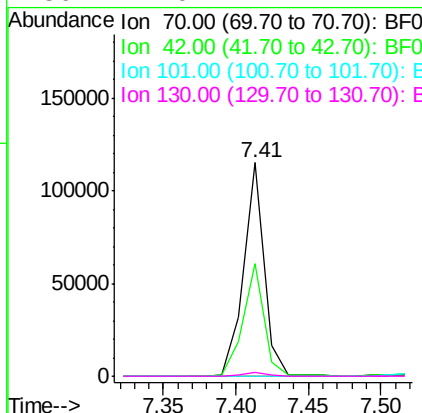




#19
n-Nitroso-di-n-propylamine
Concen: 15.32 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.14 min
Lab File: BF093050.D
Acq: 21 Feb 2017 1:17

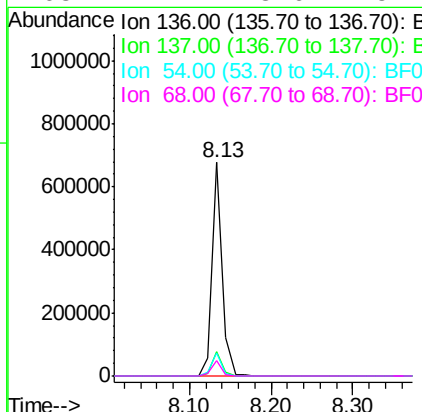
Instrument :
BNA_F
ClientSampleId :
SP-ABCD-COMP

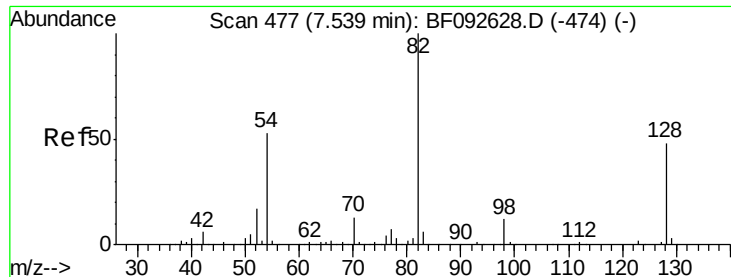
Tgt Ion: 70 Resp: 113882
Ion Ratio Lower Upper
70 100
42 53.0 49.4 74.0
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093050.D
Acq: 21 Feb 2017 1:17

Tgt Ion: 136 Resp: 597214
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 10.5 4.5 6.7#
68 7.4 3.6 5.4#

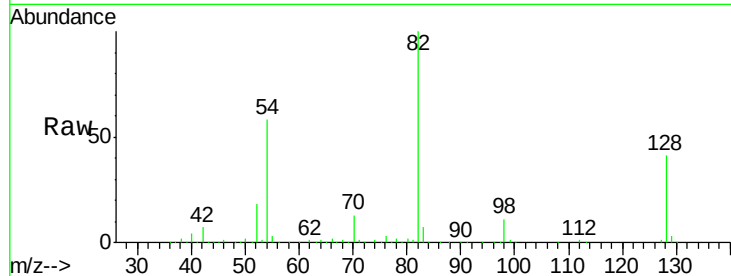




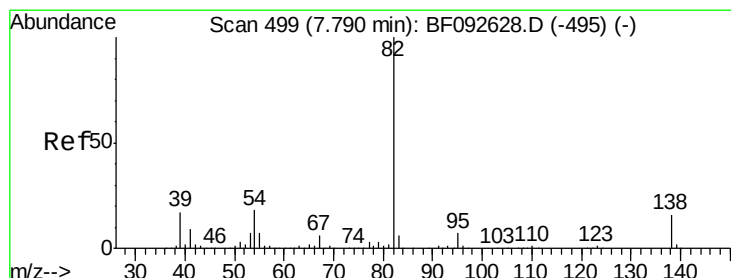
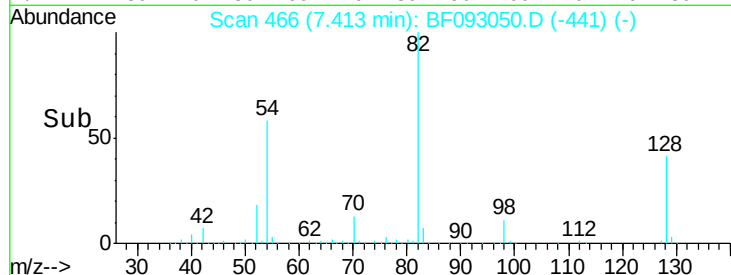
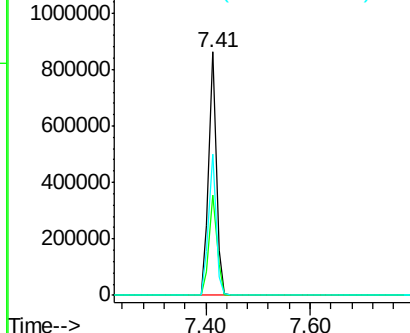
#23
 Nitrobenzene-d5
 Concen: 82.58 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF093050.D
 Acq: 21 Feb 2017 1:17

Instrument :
 BNA_F
 ClientSampleId :
 SP-ABCD-COMP

Tgt Ion: 82 Resp: 885617
 Ion Ratio Lower Upper
 82 100
 128 41.3 34.6 52.0
 54 57.8 39.5 59.3

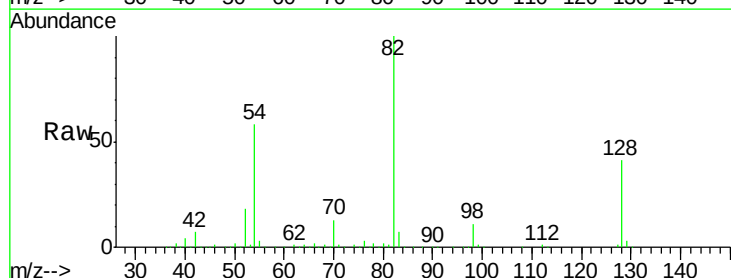


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

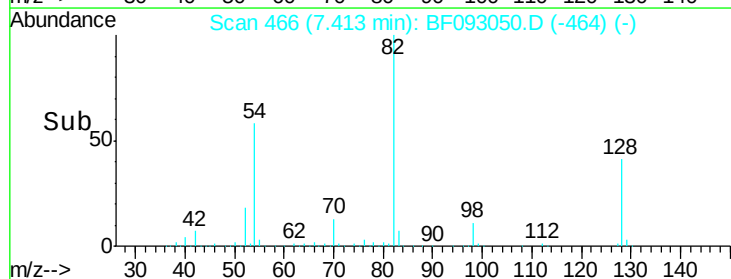
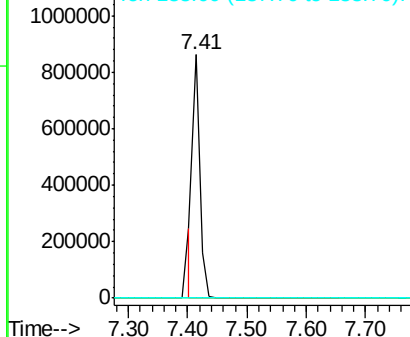


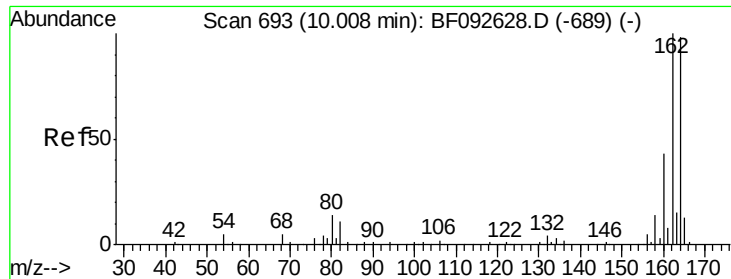
#25
 Isophorone
 Concen: 35.88 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.27 min
 Lab File: BF093050.D
 Acq: 21 Feb 2017 1:17

Tgt Ion: 82 Resp: 717016
 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: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

Instrument :

BNA_F

ClientSampleId :

SP-ABCD-COMP

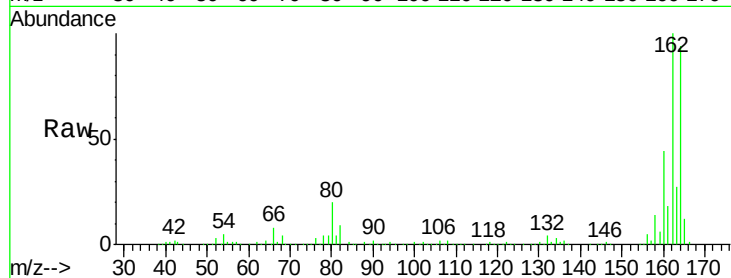
Tgt Ion:164 Resp: 288705

Ion Ratio Lower Upper

164 100

162 106.0 80.2 120.2

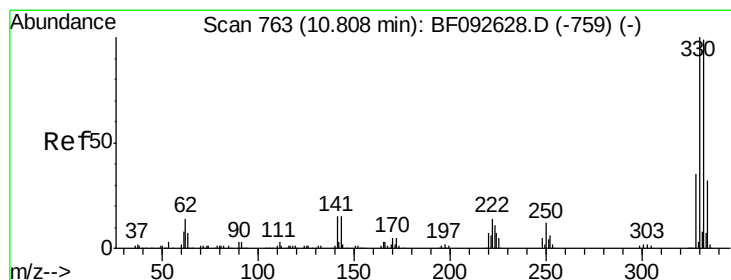
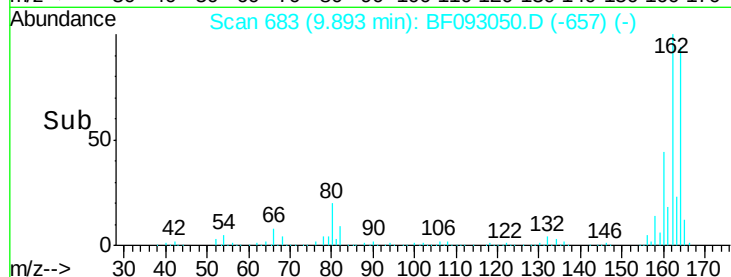
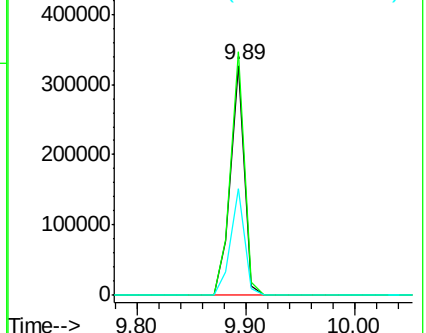
160 46.2 36.9 55.3



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: 130.92 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

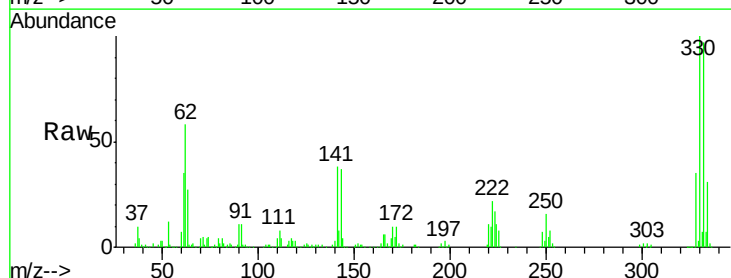
Tgt Ion:330 Resp: 273368

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.2

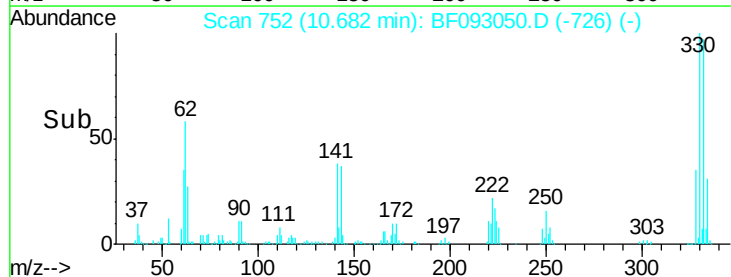
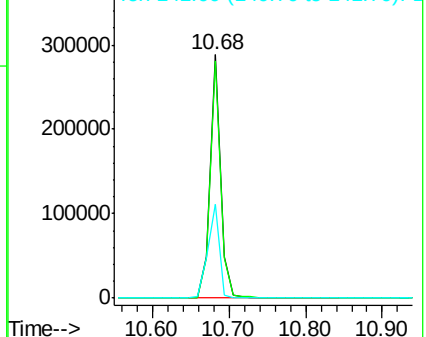
141 42.0 34.1 51.1

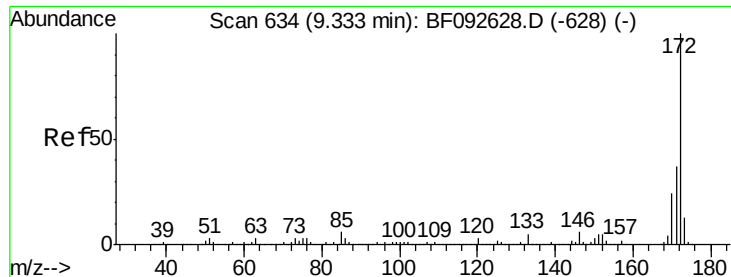


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

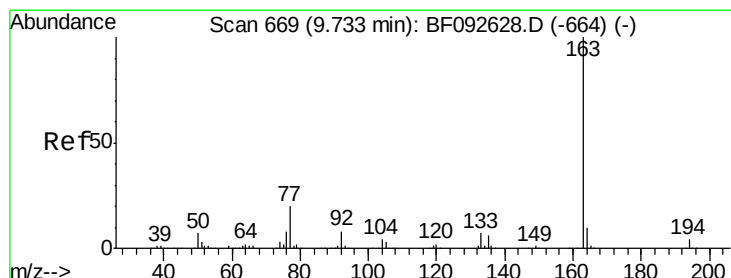
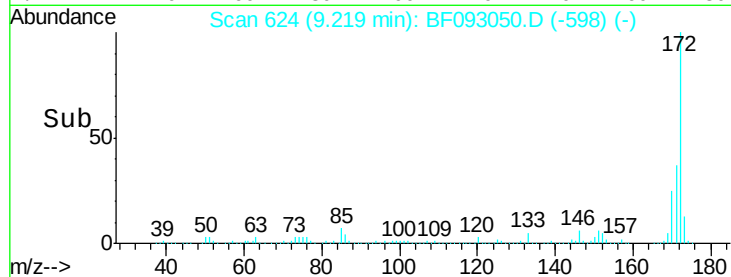
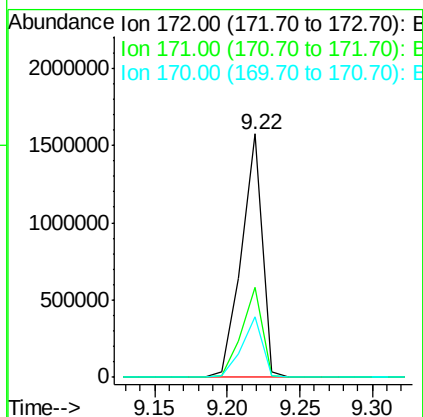
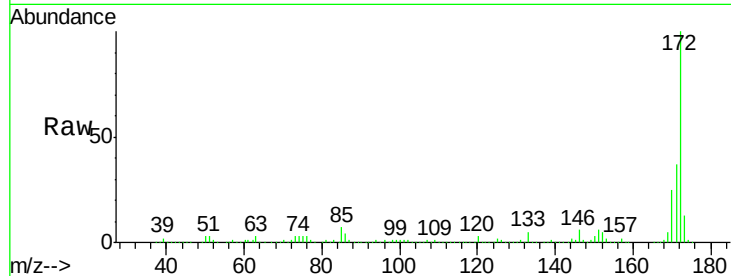




#44
 2-Fluorobiphenyl
 Concen: 98.68 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF093050.D
 Acq: 21 Feb 2017 1:17

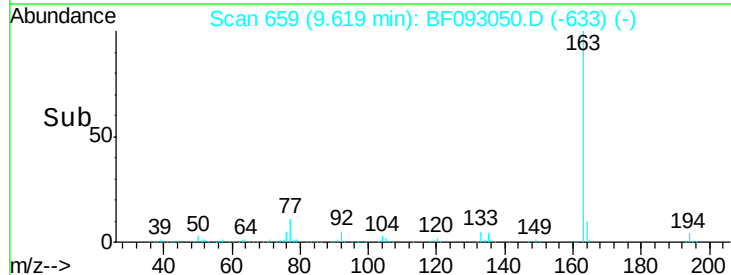
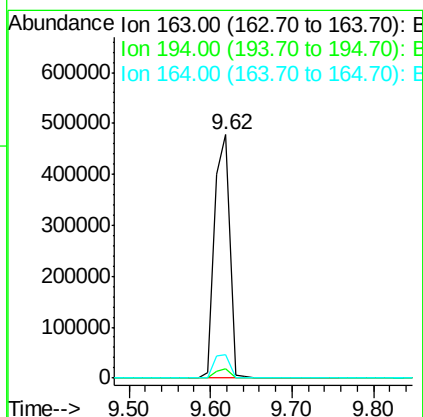
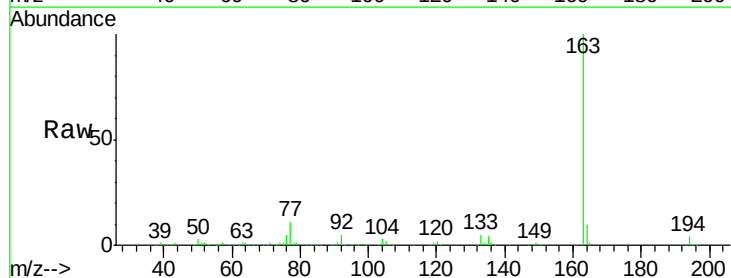
Instrument :
 BNA_F
 ClientSampleId :
 SP-ABCD-COMP

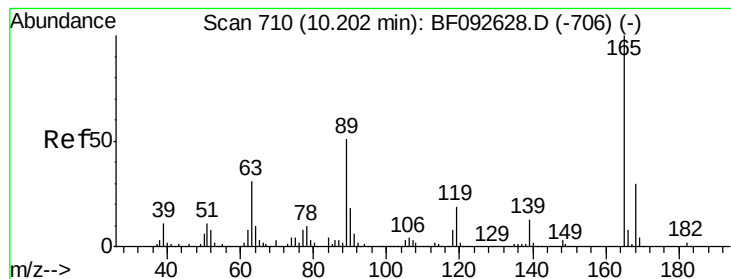
Tgt Ion:172 Resp: 1572595
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.9 20.2 30.4



#49
 Dimethylphthalate
 Concen: 31.91 ng
 RT: 9.62 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: BF093050.D
 Acq: 21 Feb 2017 1:17

Tgt Ion:163 Resp: 620618
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.0 4.4
 164 9.7 8.0 12.0





#56

2,4-Dinitrotoluene

Concen: 6.86 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.19 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

Instrument :

BNA_F

ClientSampleId :

SP-ABCD-COMP

Tgt Ion:165 Resp: 38355

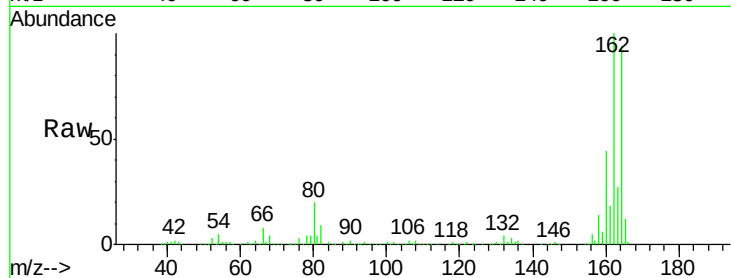
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 1.1 62.5 93.7#

182 0.0 1.8 2.8#

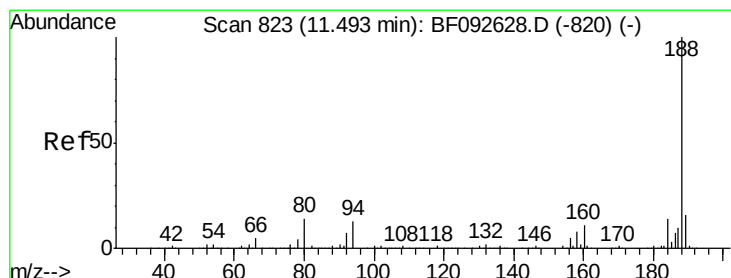
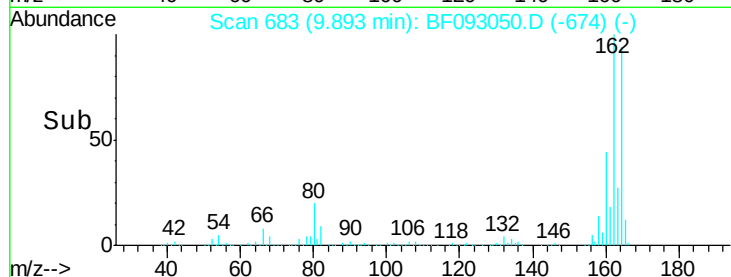
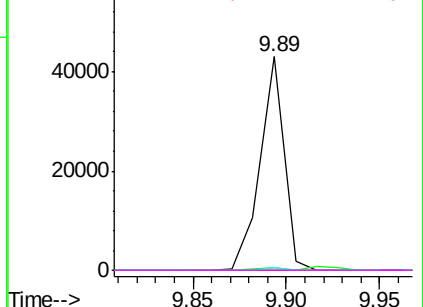


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

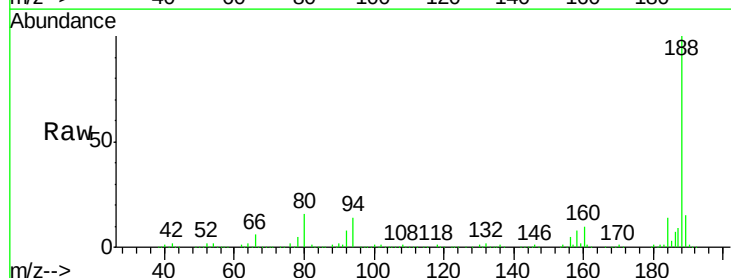
Tgt Ion:188 Resp: 478496

Ion Ratio Lower Upper

188 100

94 14.5 10.0 15.0

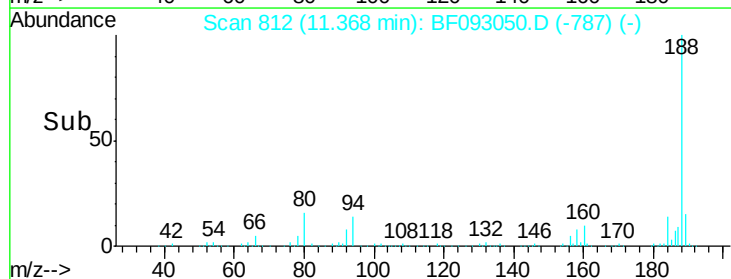
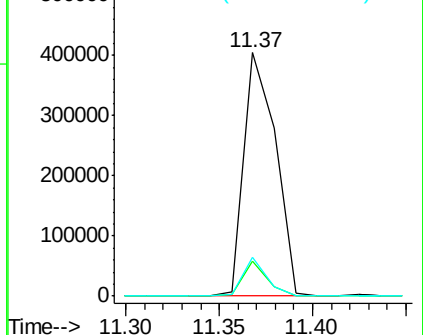
80 16.0 11.2 16.8

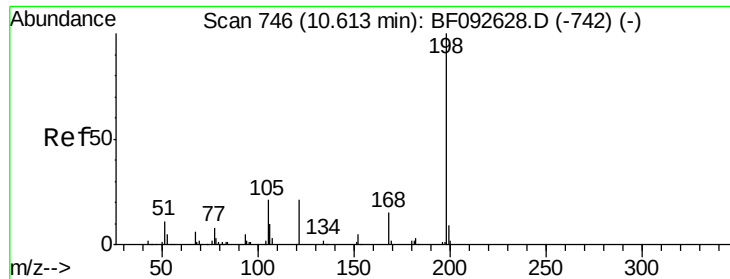


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

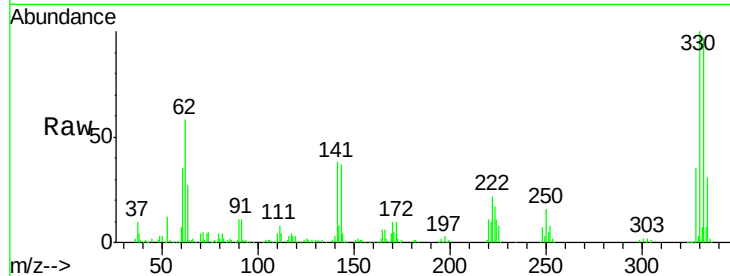




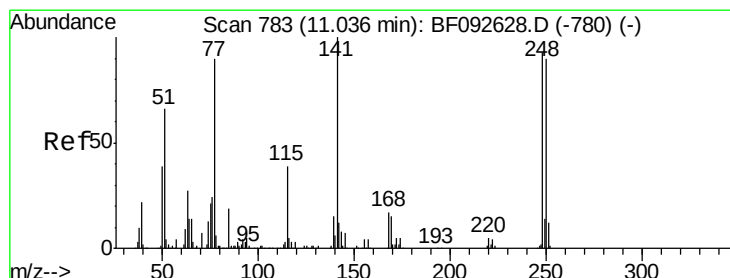
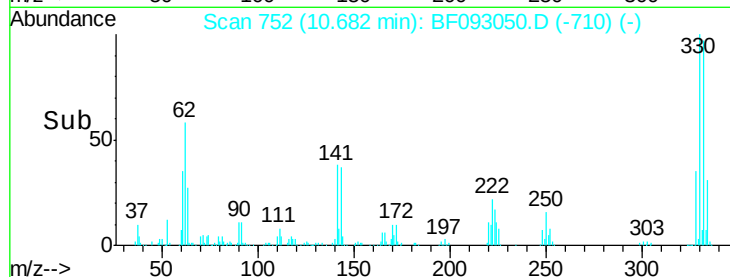
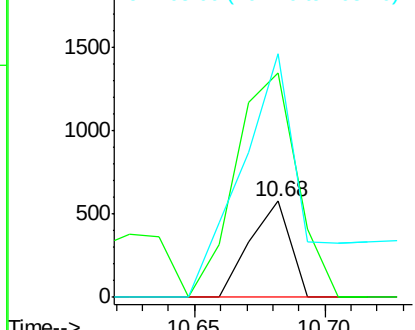
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.87 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.18 min
 Lab File: BF093050.D
 Acq: 21 Feb 2017 1:17

Instrument :
 BNA_F
 ClientSampleId :
 SP-ABCD-COMP

Tgt Ion:198 Resp: 625
 Ion Ratio Lower Upper
 198 100
 51 232.6 6.7 46.7#
 105 252.8 16.6 56.6#

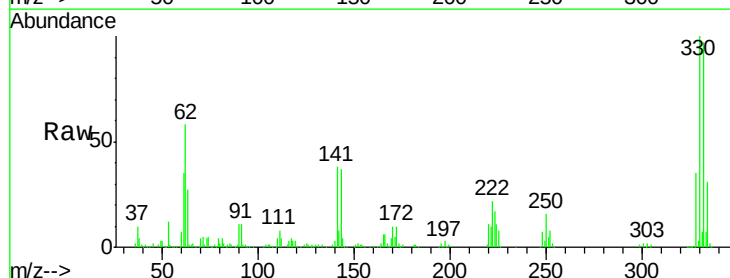


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

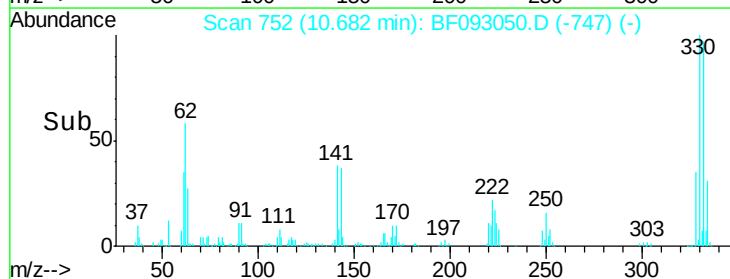
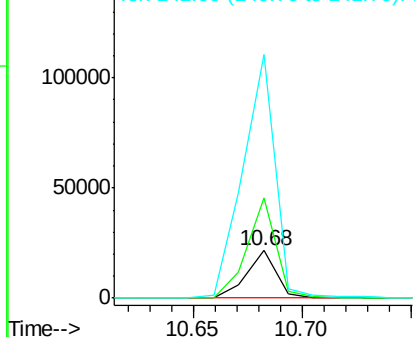


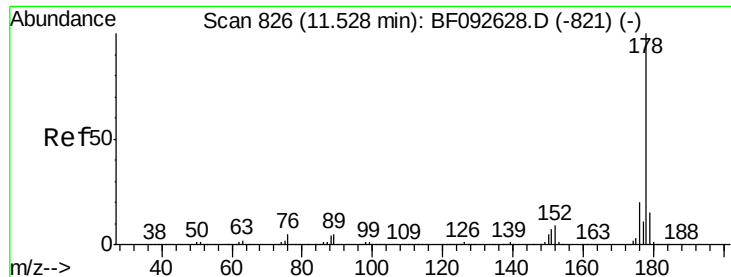
#66
 4-Bromophenyl-phenylether
 Concen: 4.03 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.24 min
 Lab File: BF093050.D
 Acq: 21 Feb 2017 1:17

Tgt Ion:248 Resp: 20149
 Ion Ratio Lower Upper
 248 100
 250 210.7 76.9 115.3#
 141 511.1 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

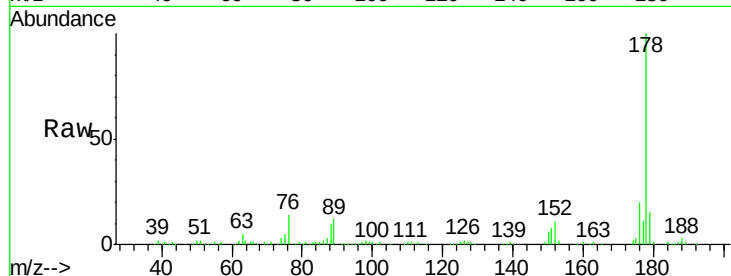




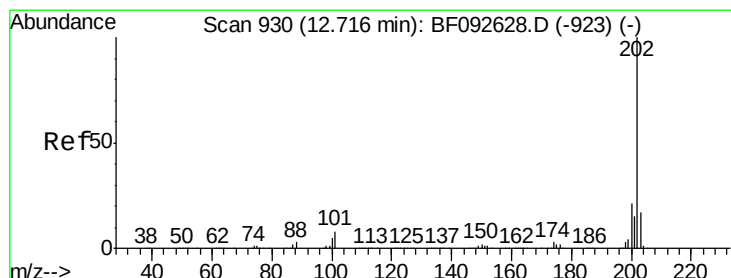
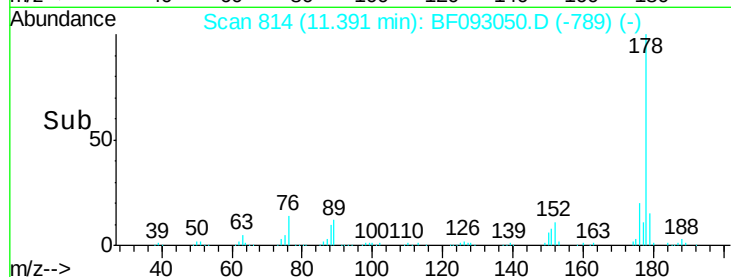
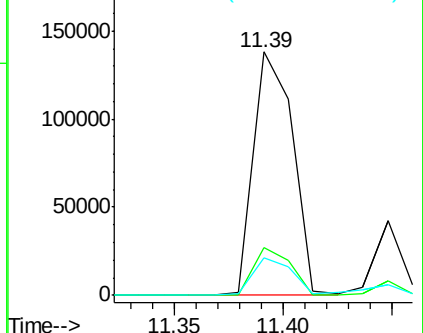
#70
Phenanthrene
Concen: 6.37 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093050.D
Acq: 21 Feb 2017 1:17

Instrument :
BNA_F
ClientSampleId :
SP-ABCD-COMP

Tgt Ion:178 Resp: 174523
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 15.5 12.8 19.2

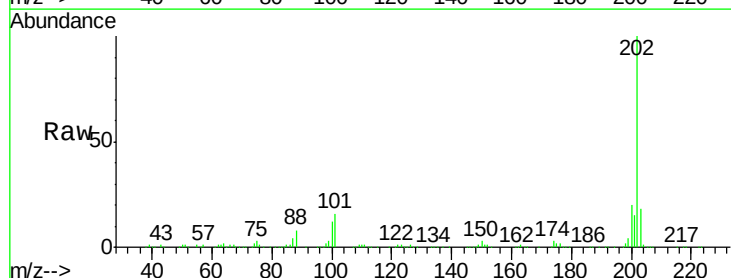


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

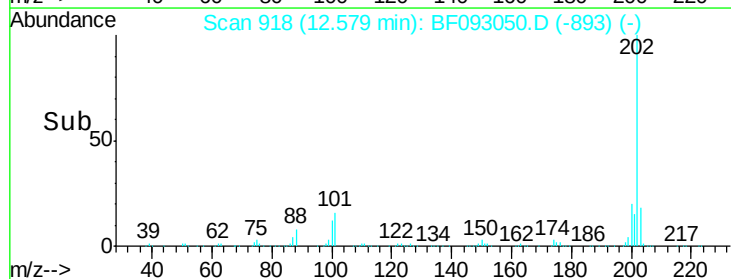
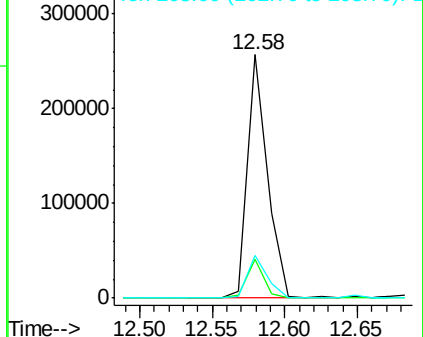


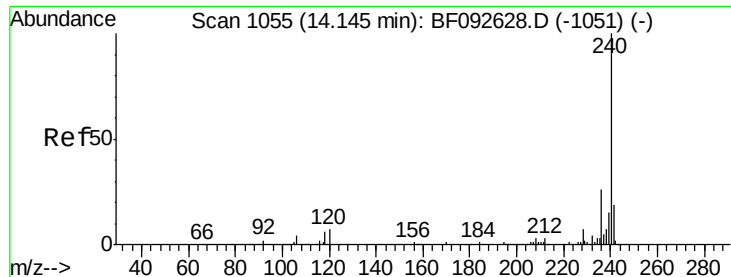
#74
Fluoranthene
Concen: 8.74 ng
RT: 12.58 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF093050.D
Acq: 21 Feb 2017 1:17

Tgt Ion:202 Resp: 247147
Ion Ratio Lower Upper
202 100
101 15.8 0.0 34.6
203 17.8 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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

Instrument :

BNA_F

ClientSampleId :

SP-ABCD-COMP

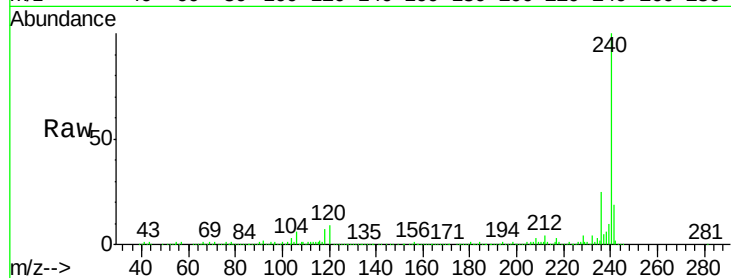
Tgt Ion:240 Resp: 316539

Ion Ratio Lower Upper

240 100

120 8.8 12.9 19.3#

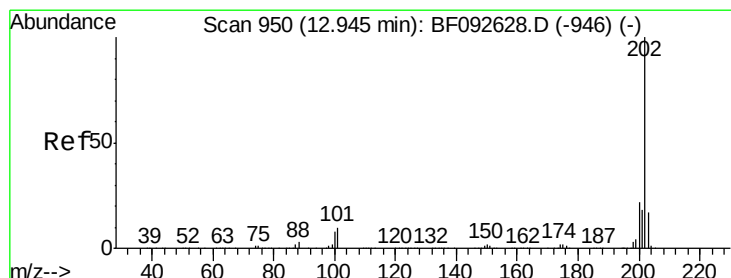
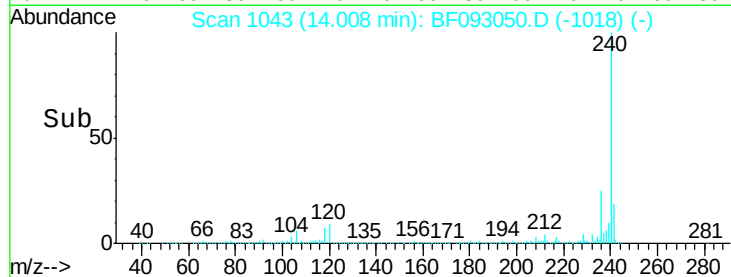
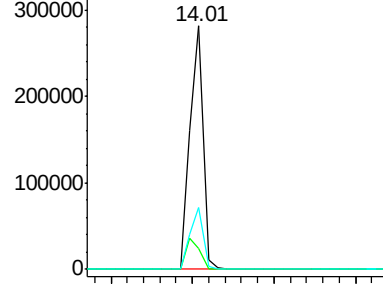
236 25.5 20.9 31.3



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: 8.81 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

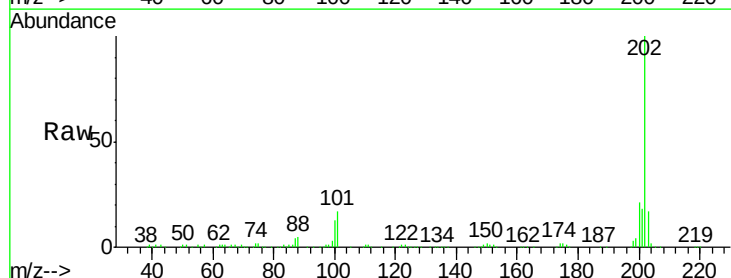
Tgt Ion:202 Resp: 208801

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

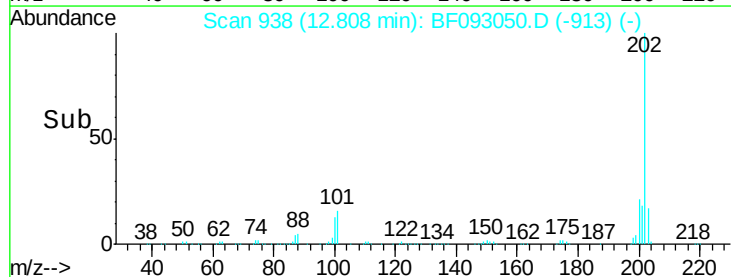
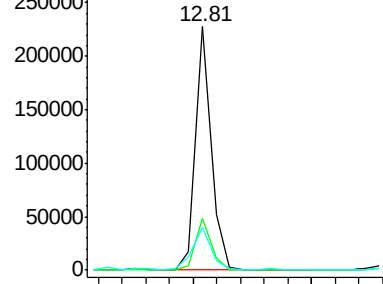
203 17.3 14.7 22.1

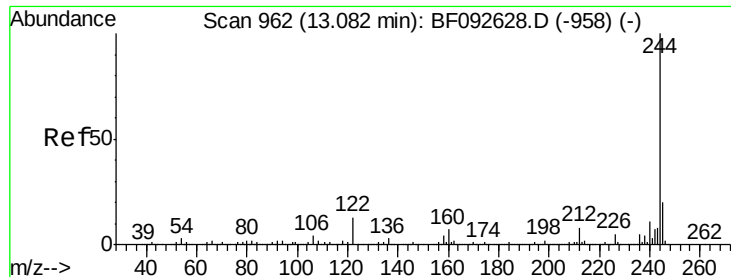


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.38 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

Instrument :

BNA_F

ClientSampleId :

SP-ABCD-COMP

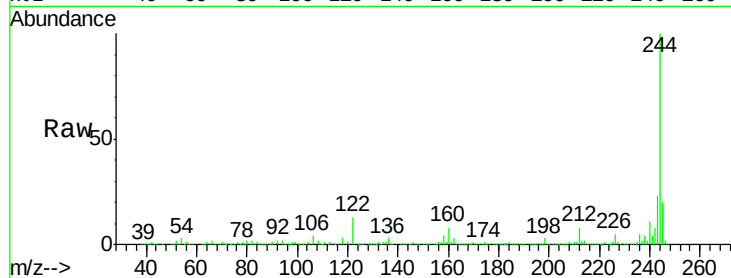
Tgt Ion:244 Resp: 1096270

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

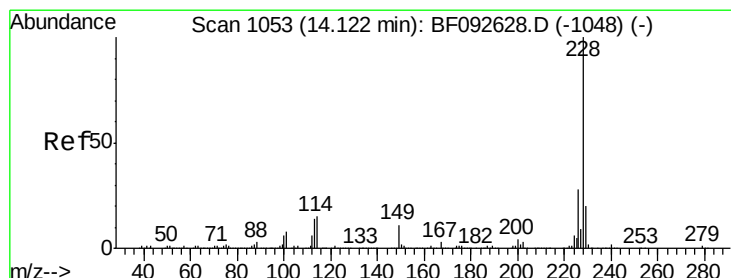
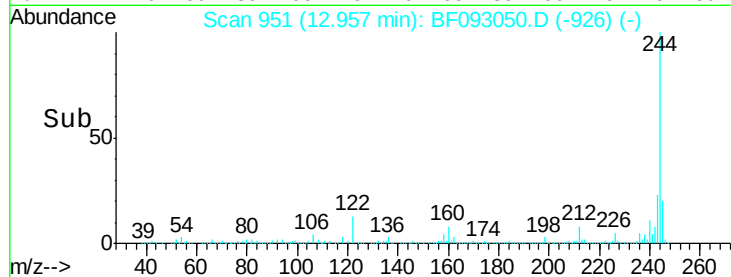
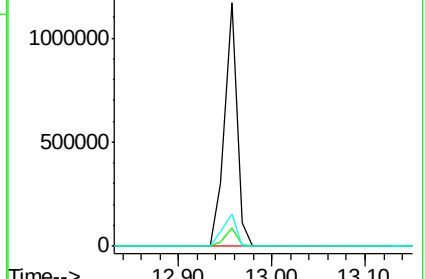
122 13.1 11.4 17.2



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: 4.78 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

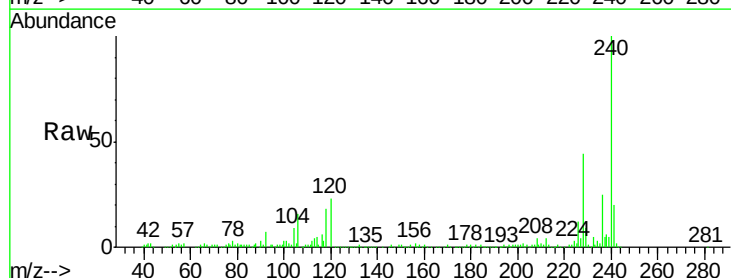
Tgt Ion:228 Resp: 92560

Ion Ratio Lower Upper

228 100

226 27.5 22.4 33.6

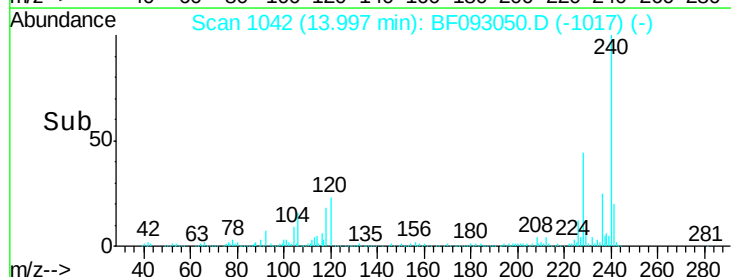
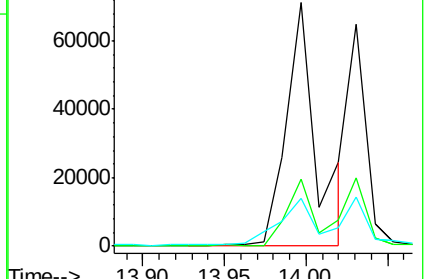
229 19.6 16.2 24.4

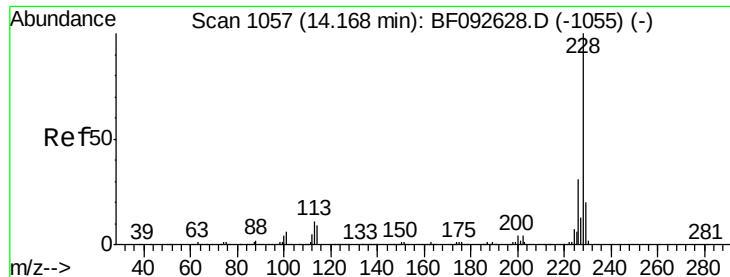


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.11 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

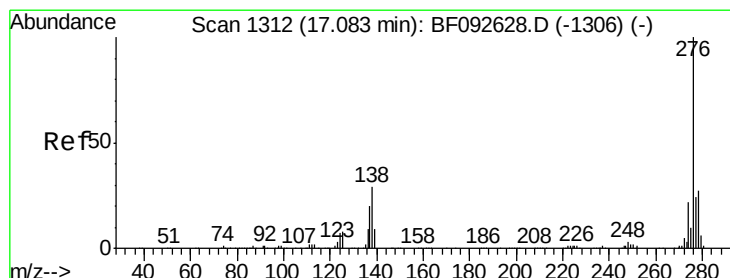
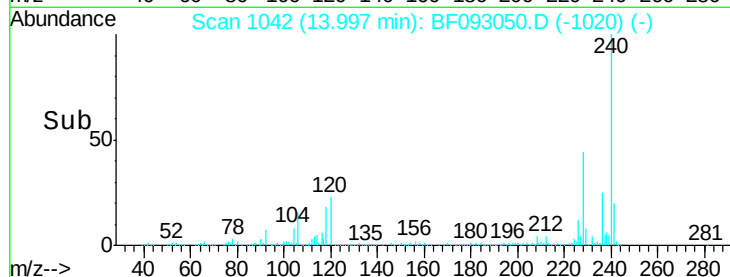
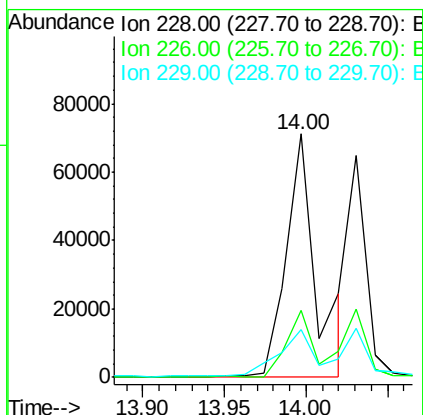
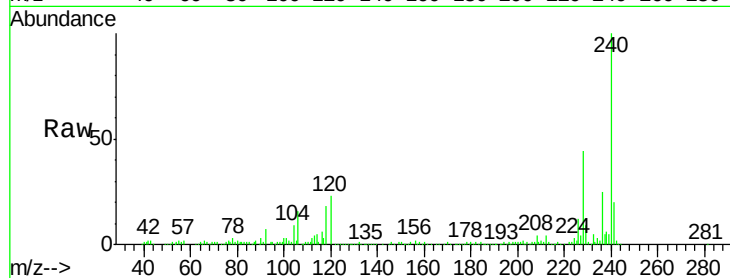
Instrument :

BNA_F

ClientSampleId :

SP-ABCD-COMP

Tgt Ion:	228	Resp:	92560
Ion	Ratio	Lower	Upper
228	100		
226	27.5	25.4	38.0
229	19.6	16.2	24.2



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.84 ng

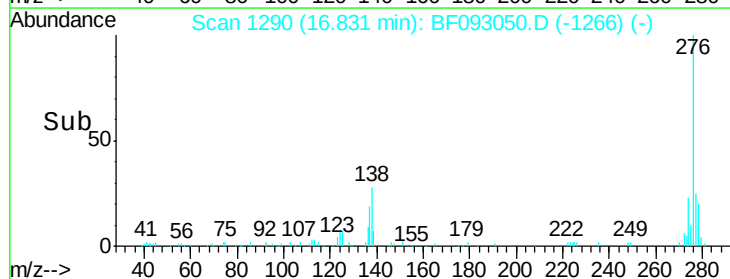
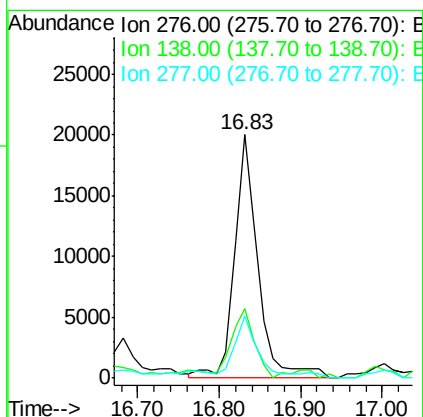
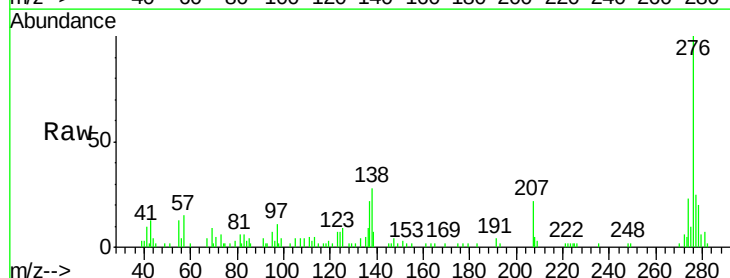
RT: 16.83 min Scan# 1290

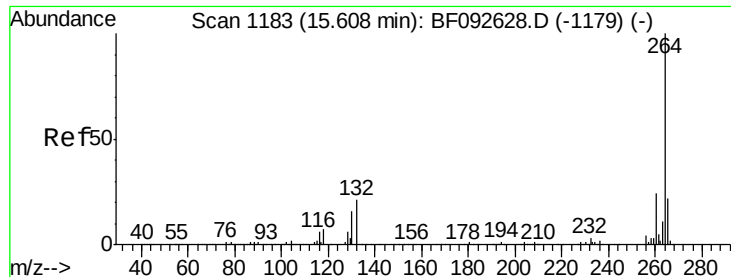
Delta R.T. -0.02 min

Lab File: BF093050.D

Acq: 21 Feb 2017 1:17

Tgt Ion:	276	Resp:	39941
Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.8	32.6
277	21.0	20.2	30.4

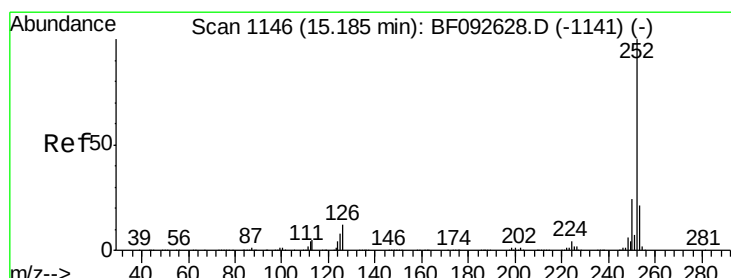
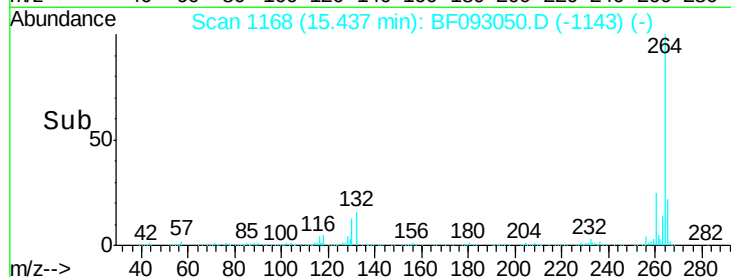
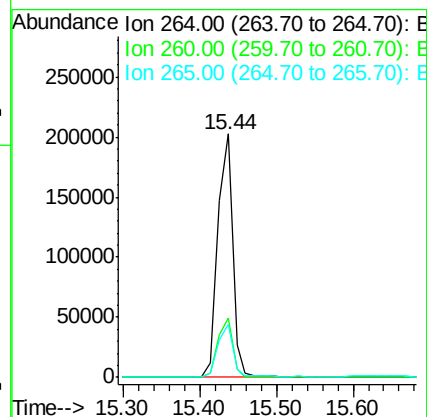
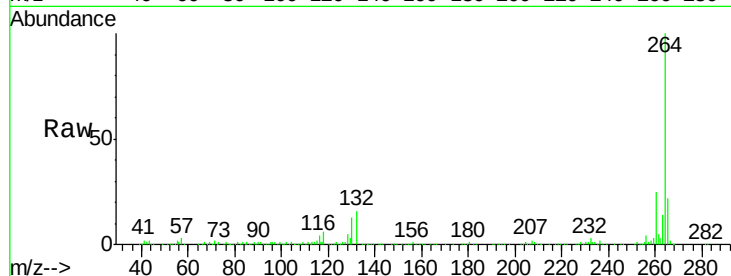




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093050.D
Acq: 21 Feb 2017 1:17

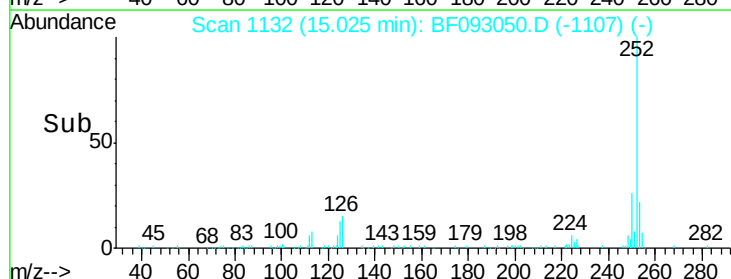
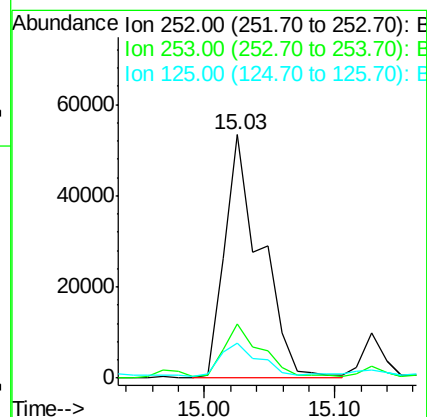
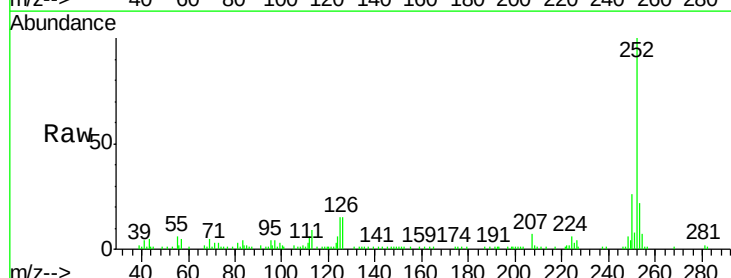
Instrument :
BNA_F
ClientSampleId :
SP-ABCD-COMP

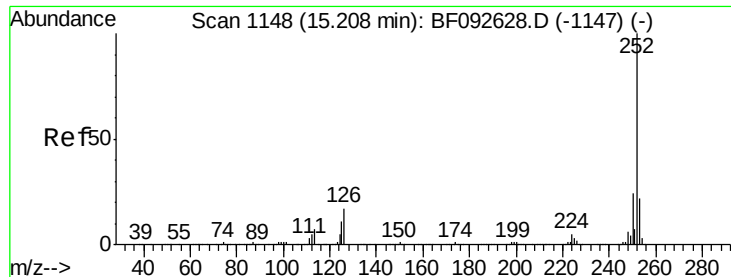
Tgt Ion: 264 Resp: 274438
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.9 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 5.72 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093050.D
Acq: 21 Feb 2017 1:17

Tgt Ion: 252 Resp: 103367
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.4
125 14.5 9.8 14.6

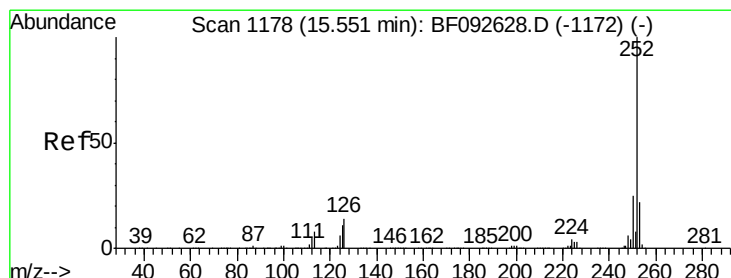
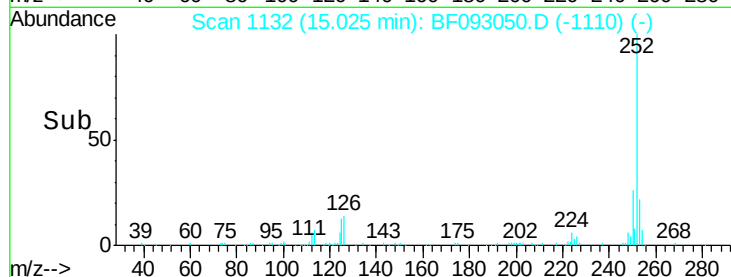
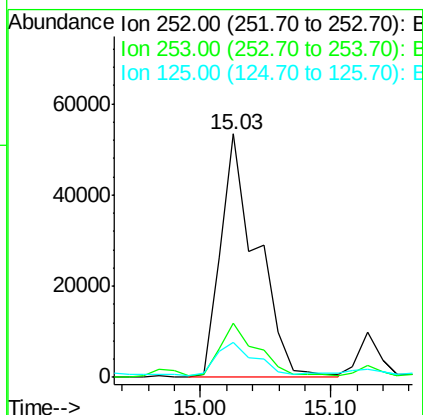
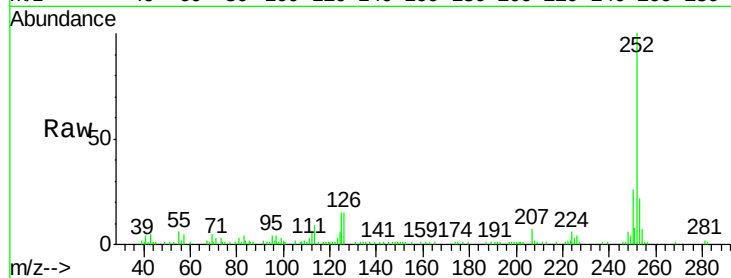




#88
Benzo(k)fluoranthene
Concen: 6.63 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093050.D
Acq: 21 Feb 2017 1:17

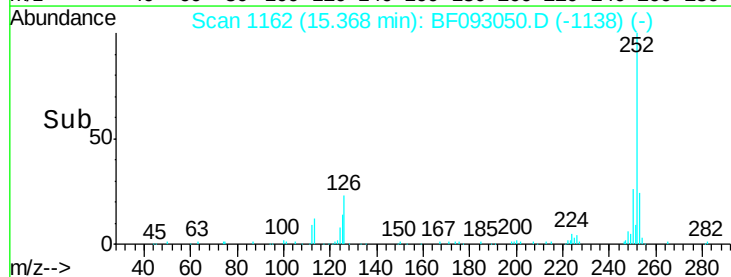
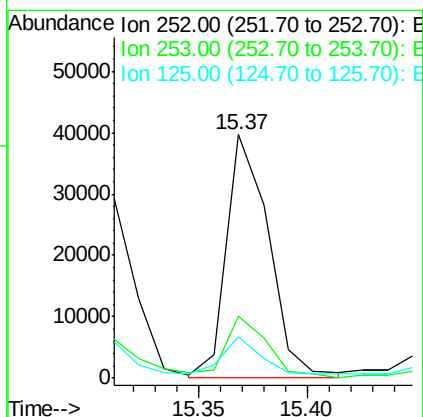
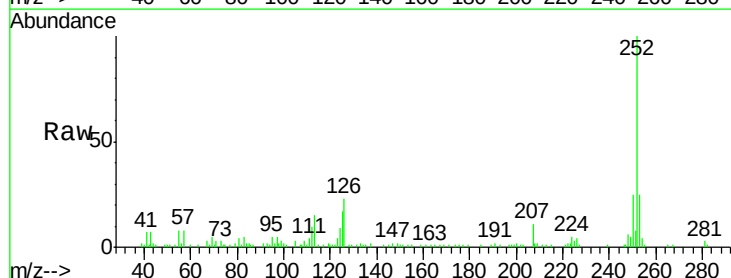
Instrument :
BNA_F
ClientSampleId :
SP-ABCD-COMP

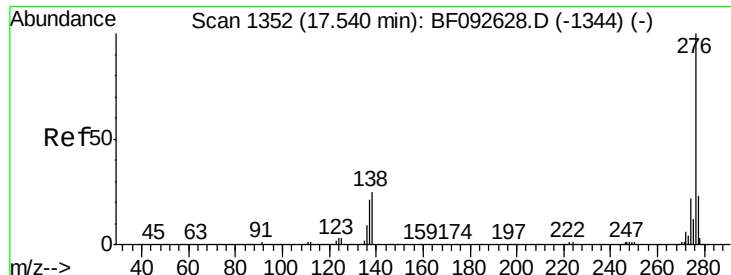
Tgt Ion:252 Resp: 103367
Ion Ratio Lower Upper
252 100
253 22.4 18.5 27.7
125 14.5 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 3.44 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF093050.D
Acq: 21 Feb 2017 1:17

Tgt Ion:252 Resp: 53813
Ion Ratio Lower Upper
252 100
253 25.3 18.2 27.2
125 16.9 10.0 15.0#





#91

Benzo(g,h,i)perylene

Concen: 2.78 ng

RT: 17.25 min Scan# 1327

Delta R.T. -0.03 min

Lab File: BF093050.D

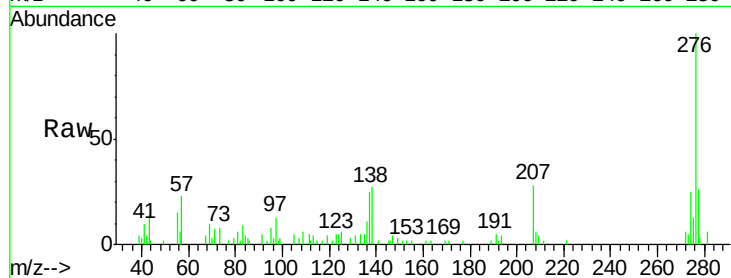
Acq: 21 Feb 2017 1:17

Instrument :

BNA_F

ClientSampleId :

SP-ABCD-COMP



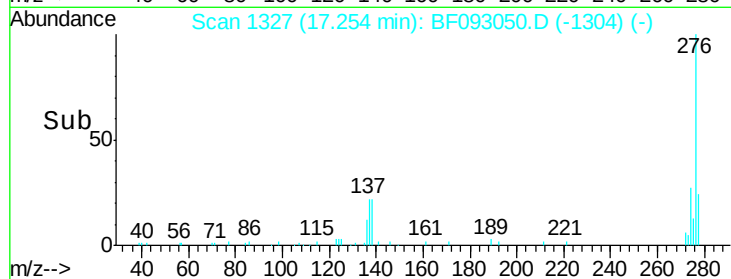
Tgt Ion: 276 Resp: 35444

Ion Ratio Lower Upper

276 100

277 26.0 19.2 28.8

138 26.9 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

