

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020217\
 Data File : BF092757.D
 Acq On : 3 Feb 2017 1:21
 Operator : SJ/MA
 Sample : I1650-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-39-COMP

Quant Time: Feb 03 03:39:05 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	146705	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	562454	20.00	ng	-0.03
38) Acenaphthene-d10	9.97	164	276148	20.00	ng	-0.03
63) Phenanthrene-d10	11.46	188	402586	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	304942	20.00	ng	-0.05
86) Perylene-d12	15.56	264	306373	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1357647	158.77	ng	-0.02
7) Phenol-d6	6.58	99	1666901	151.50	ng	-0.02
23) Nitrobenzene-d5	7.50	82	995348	98.55	ng	-0.03
41) 2,4,6-Tribromophenol	10.77	330	306571	153.49	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1476493	96.87	ng	-0.03
78) Terphenyl-d14	13.05	244	1041301	80.24	ng	-0.03

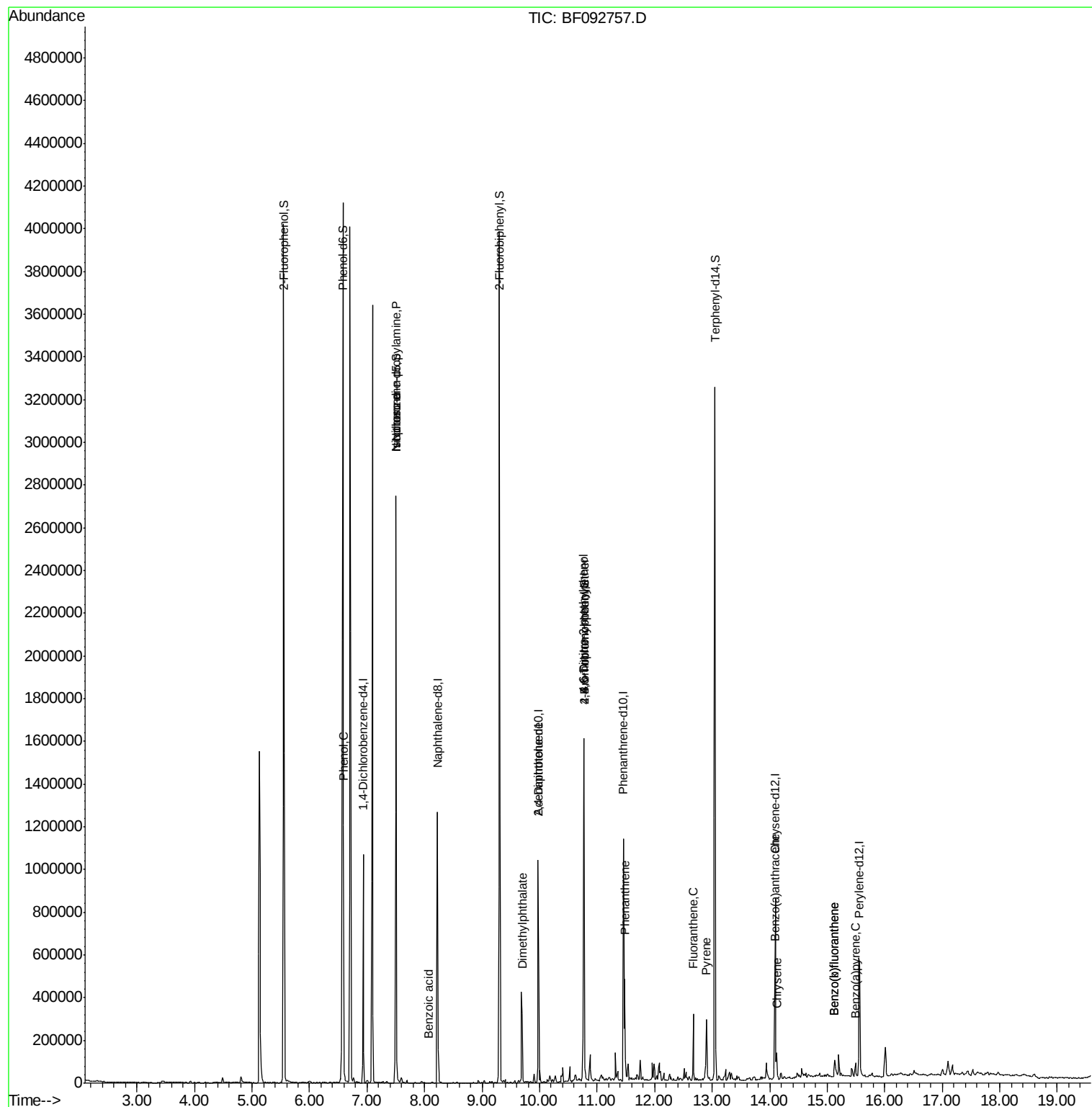
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.59	94	155706	12.10	ng	# 74
19) n-Nitroso-di-n-propylamine	7.50	70	132397	18.90	ng	# 81
25) Isophorone	7.50	82	972793	51.69	ng	# 65
32) Benzoic acid	8.08	122	207	7.20	ng	# 1
49) Dimethylphthalate	9.70	163	255131	13.72	ng	100
56) 2,4-Dinitrotoluene	9.97	165	35108	6.56	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.76	198	773	2.97	ng	# 1
66) 4-Bromophenyl-phenylether	10.77	248	21300	5.06	ng	# 1
70) Phenanthrene	11.48	178	172231	7.47	ng	97
74) Fluoranthene	12.67	202	116990	4.92	ng	95
77) Pyrene	12.90	202	115443	5.06	ng	98
80) Benzo(a)anthracene	14.09	228	45206	2.42	ng	98
82) Chrysene	14.12	228	36908	2.11	ng	96
87) Benzo(b)fluoranthene	15.13	252	57052	2.83	ng	99
88) Benzo(k)fluoranthene	15.13	252	57052	3.28	ng	99
89) Benzo(a)pyrene	15.49	252	35076	2.01	ng	98

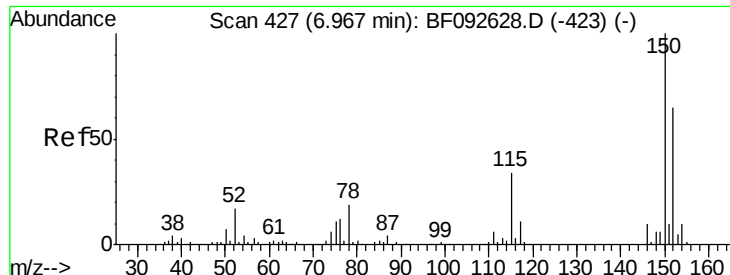
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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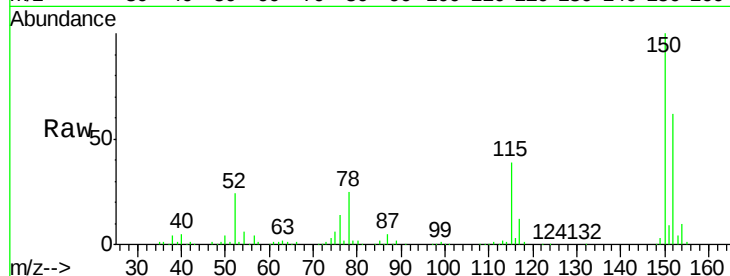




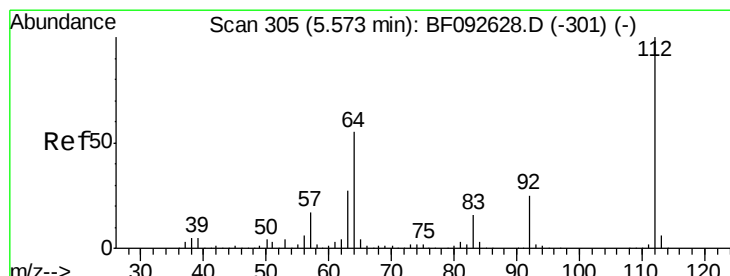
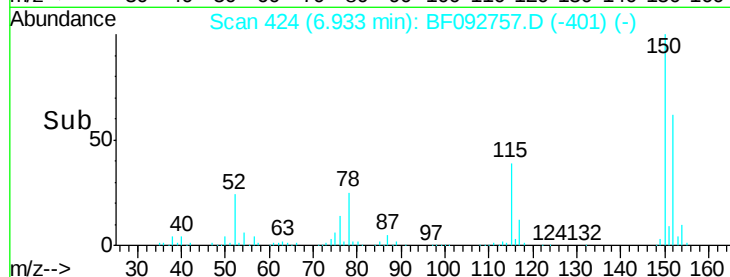
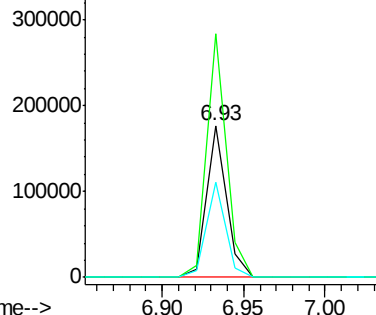
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.93 min Scan# 424
 Delta R.T. -0.03 min
 Lab File: BF092757.D
 Acq: 3 Feb 2017 1:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-39-COMP

Tgt Ion:152 Resp: 146705
 Ion Ratio Lower Upper
 152 100
 150 160.3 124.9 187.3
 115 62.4 46.0 69.0

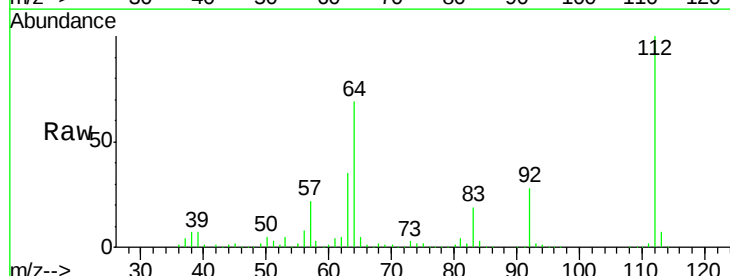


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

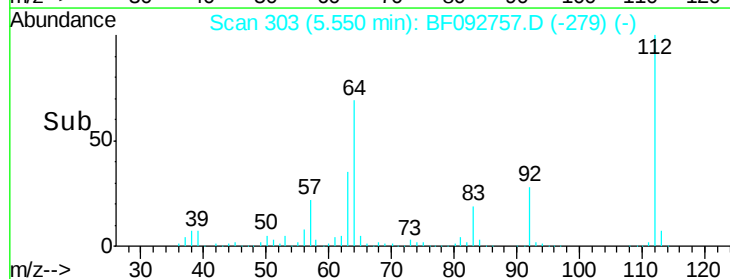
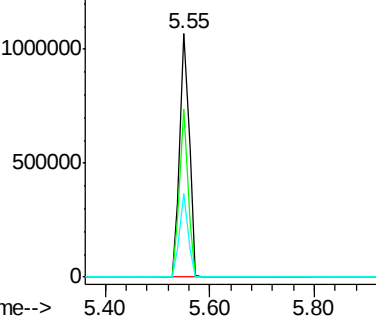


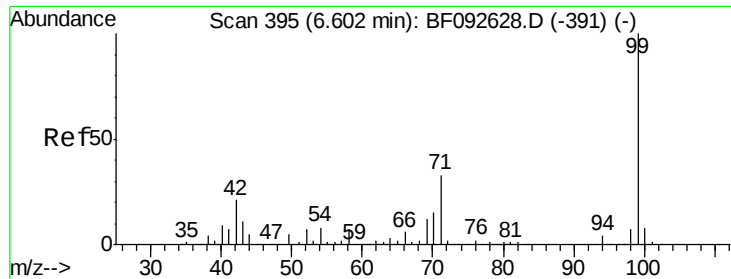
#5
 2-Fluorophenol
 Concen: 158.77 ng
 RT: 5.55 min Scan# 303
 Delta R.T. -0.02 min
 Lab File: BF092757.D
 Acq: 3 Feb 2017 1:21

Tgt Ion:112 Resp: 1357647
 Ion Ratio Lower Upper
 112 100
 64 68.8 46.1 69.1
 63 34.5 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: 151.50 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

Instrument :

BNA_F

ClientSampleId :

SB-39-COMP

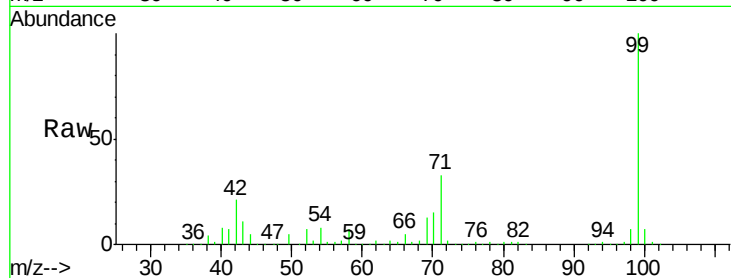
Tgt Ion: 99 Resp: 1666901

Ion Ratio Lower Upper

99 100

42 20.8 15.6 23.4

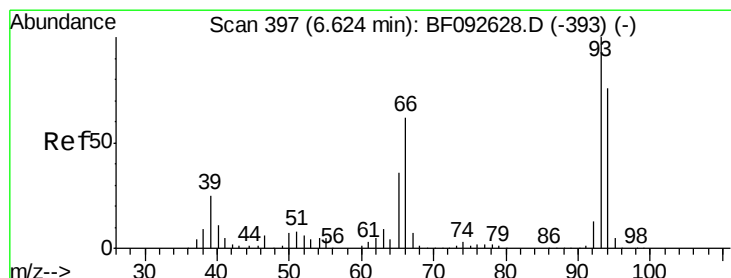
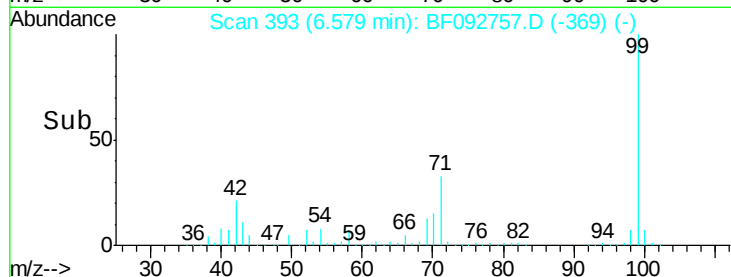
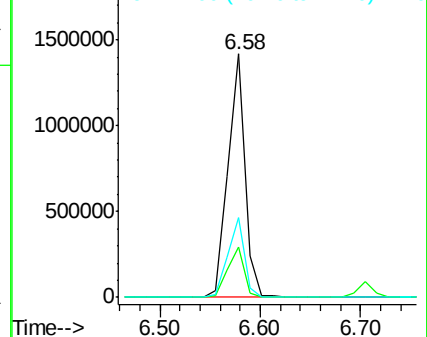
71 32.9 27.5 41.3



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: 12.10 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.03 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

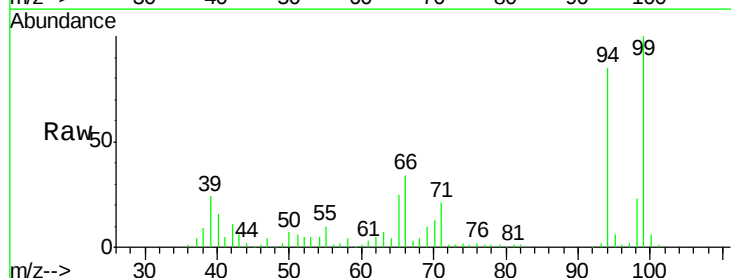
Tgt Ion: 94 Resp: 155706

Ion Ratio Lower Upper

94 100

65 29.6 21.4 61.4

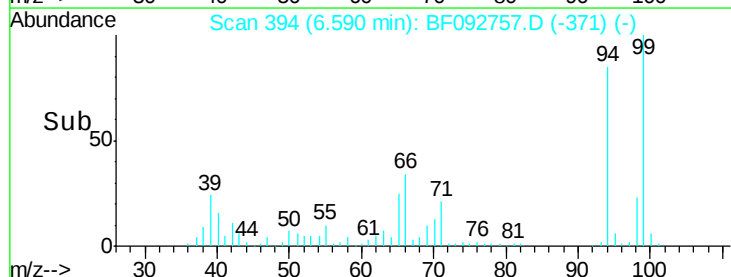
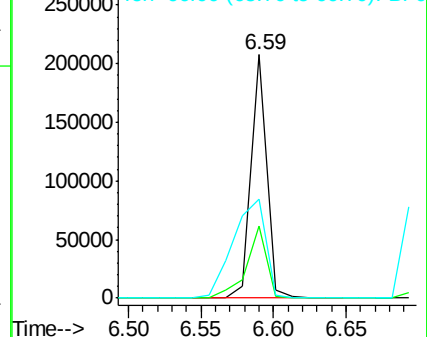
66 40.4 44.0 84.0#

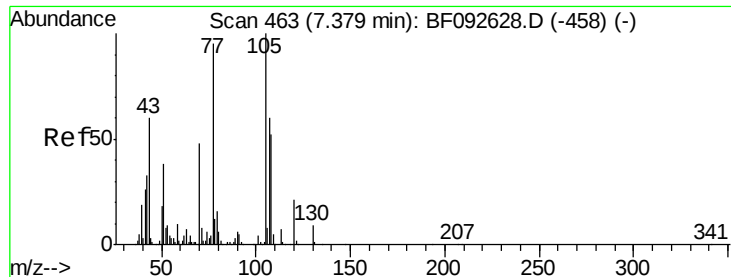


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

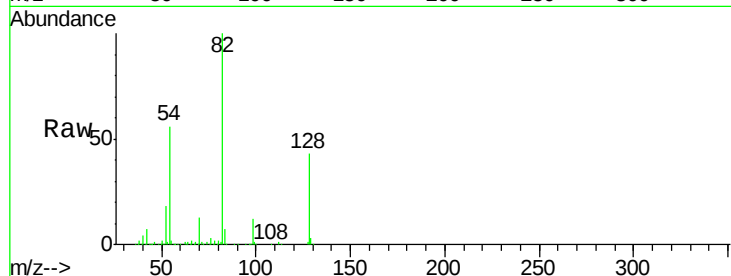




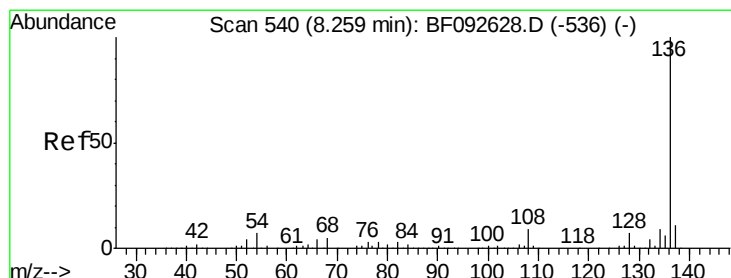
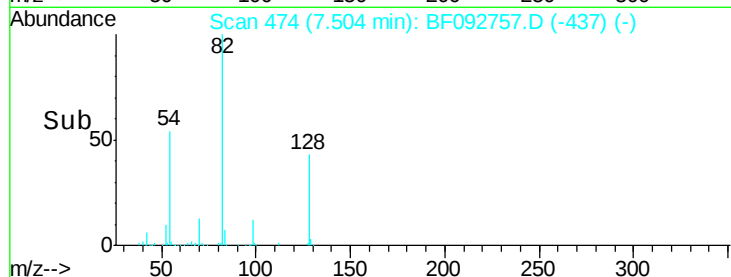
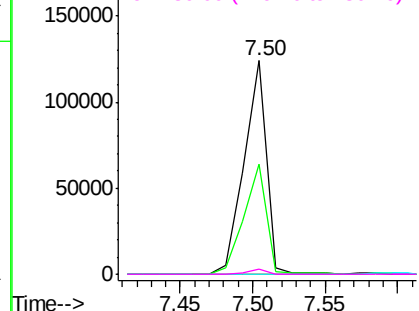
#19
n-Nitroso-di-n-propylamine
Concen: 18.90 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.13 min
Lab File: BF092757.D
Acq: 3 Feb 2017 1:21

Instrument :
BNA_F
ClientSampleId :
SB-39-COMP

Tgt Ion: 70 Resp: 132397
Ion Ratio Lower Upper
70 100
42 51.7 49.4 74.0
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#

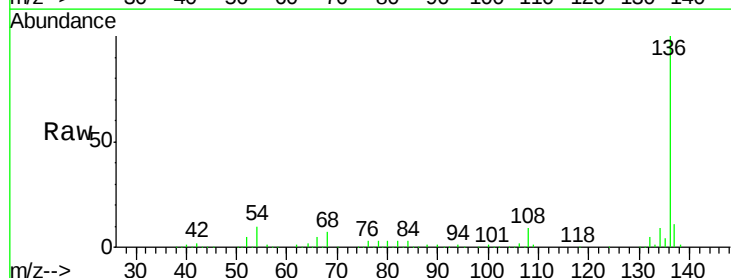


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

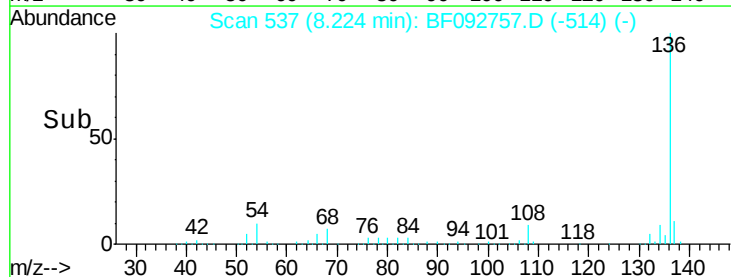
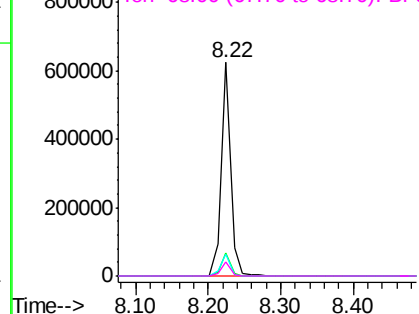


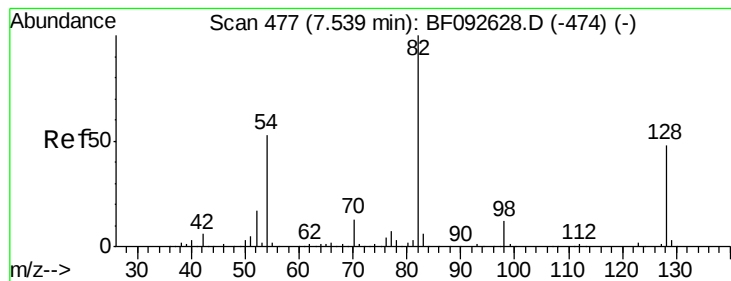
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF092757.D
Acq: 3 Feb 2017 1:21

Tgt Ion: 136 Resp: 562454
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 10.2 4.5 6.7#
68 6.6 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: 98.55 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.03 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

Instrument :

BNA_F

ClientSampleId :

SB-39-COMP

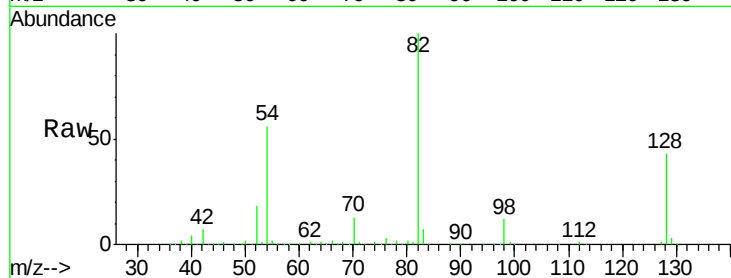
Tgt Ion: 82 Resp: 995348

Ion Ratio Lower Upper

82 100

128 43.2 34.6 52.0

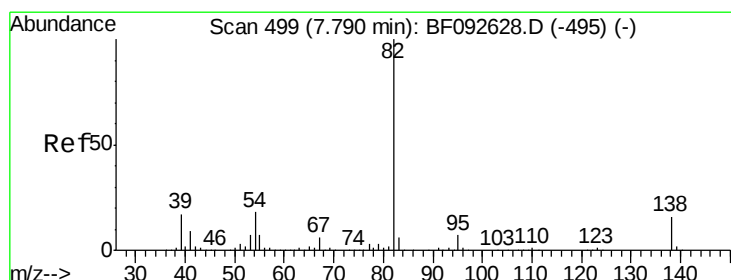
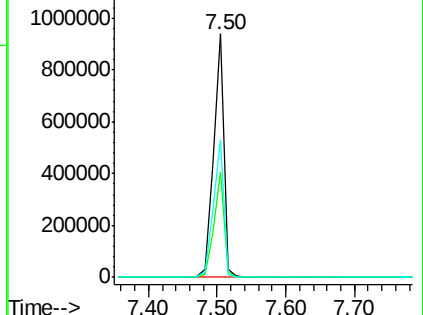
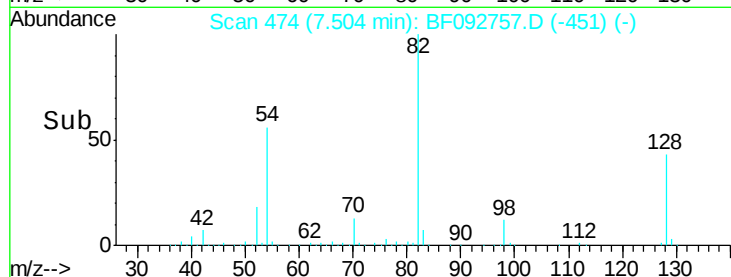
54 56.3 39.5 59.3



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: 51.69 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.29 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

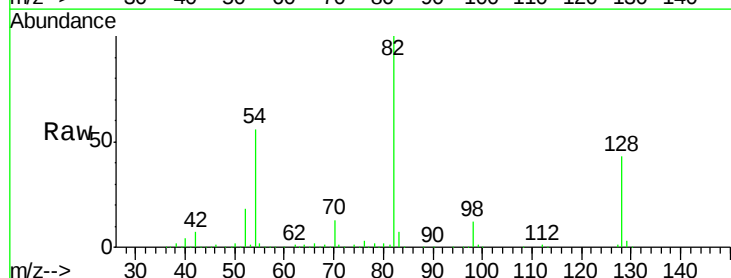
Tgt Ion: 82 Resp: 972793

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

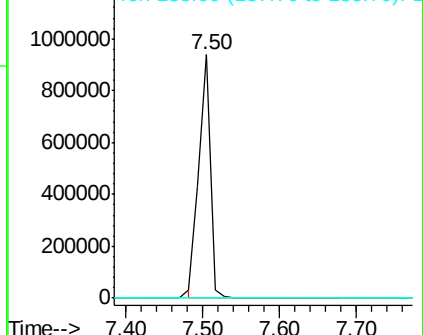
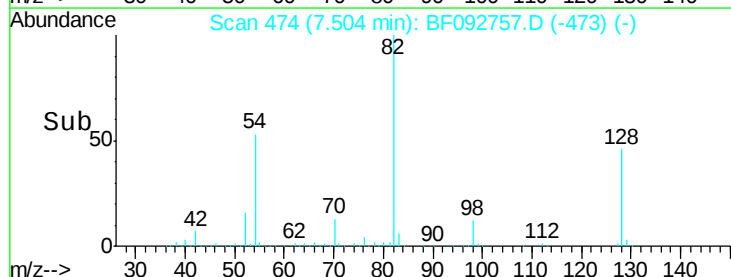
138 0.0 14.6 22.0#

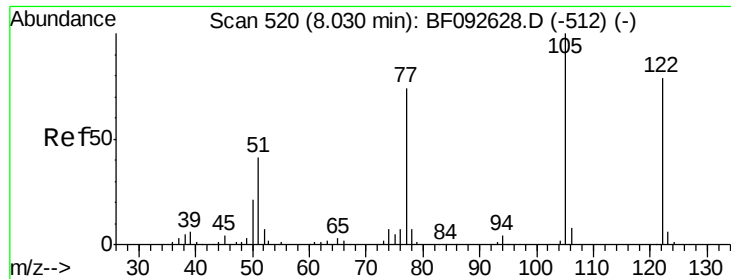


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#32

Benzoic acid

Concen: 7.20 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.05 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

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SB-39-COMP

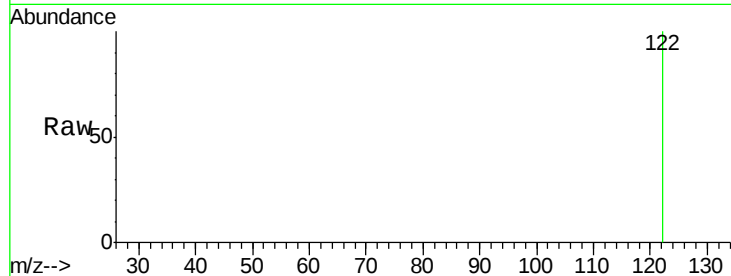
Tgt Ion:122 Resp: 207

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

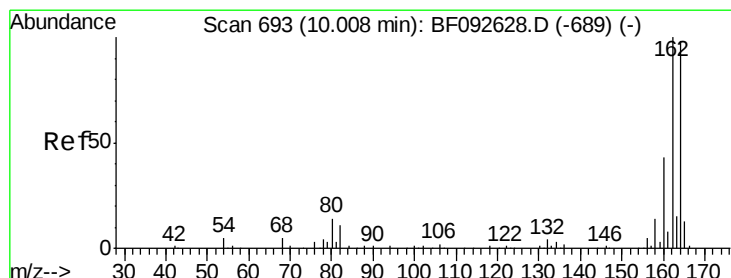
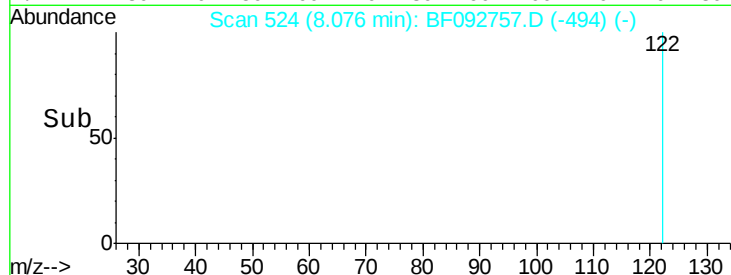
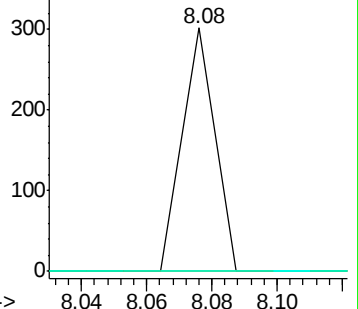
77 0.0 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

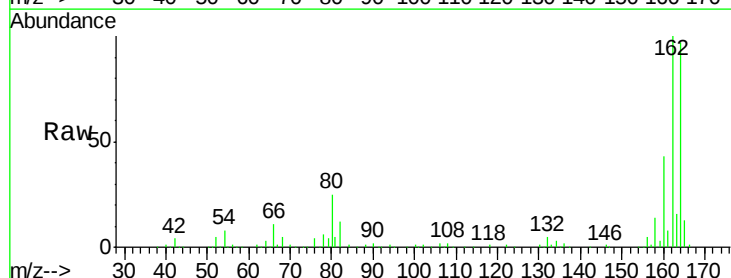
Tgt Ion:164 Resp: 276148

Ion Ratio Lower Upper

164 100

162 102.6 80.2 120.2

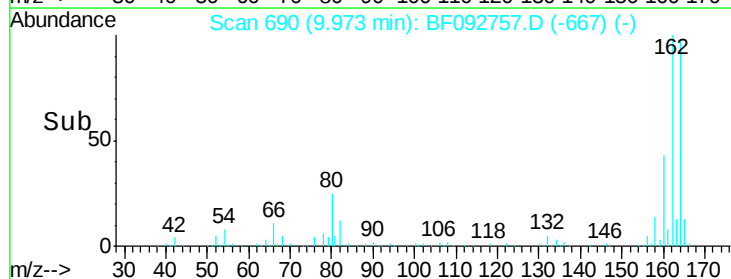
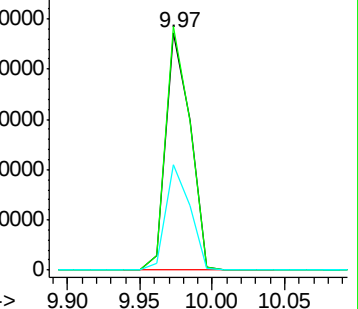
160 44.1 36.9 55.3

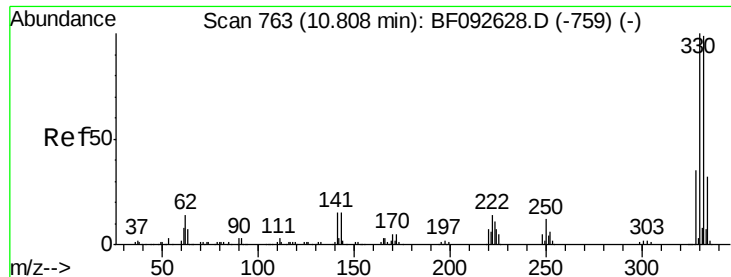


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

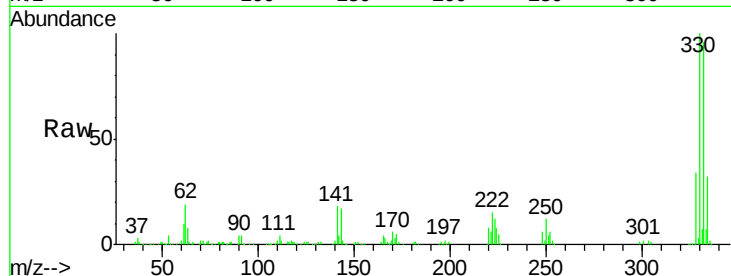




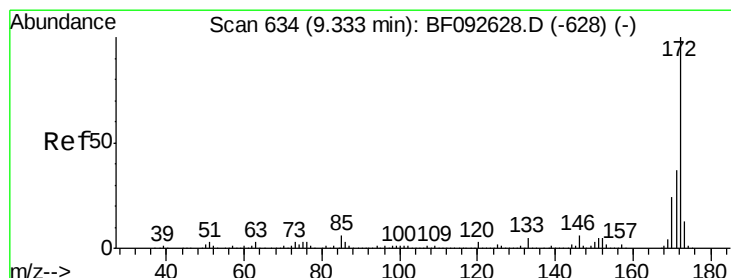
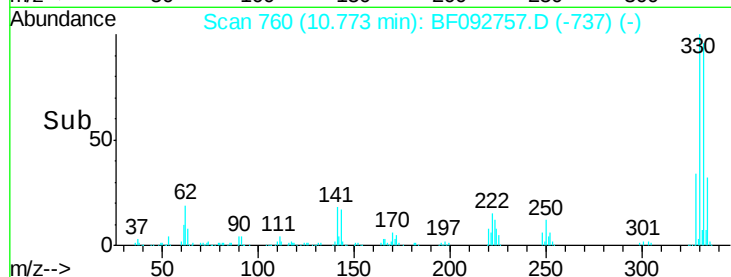
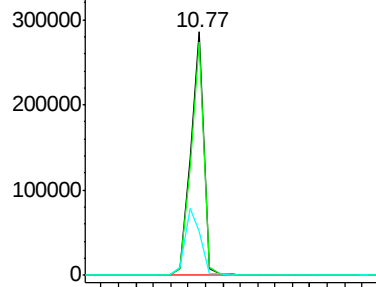
#41
 2,4,6-Tribromophenol
 Concen: 153.49 ng
 RT: 10.77 min Scan# 760
 Delta R.T. -0.03 min
 Lab File: BF092757.D
 Acq: 3 Feb 2017 1:21

Instrument :
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Tgt Ion:330 Resp: 306571
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.4 116.2
 141 32.3 34.1 51.1#

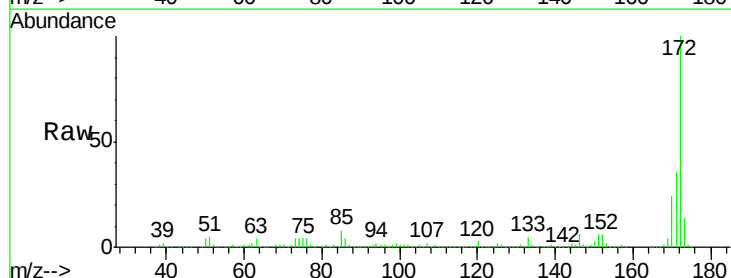


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

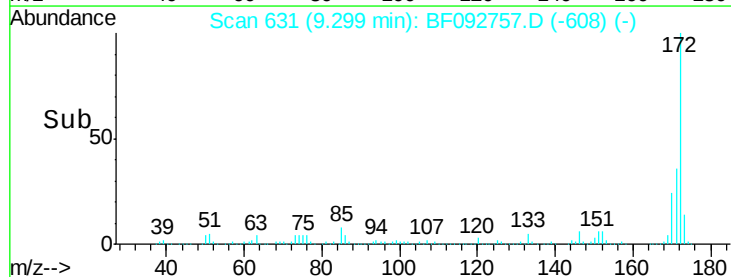
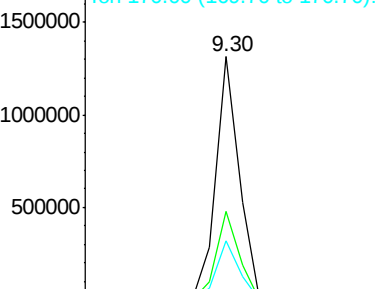


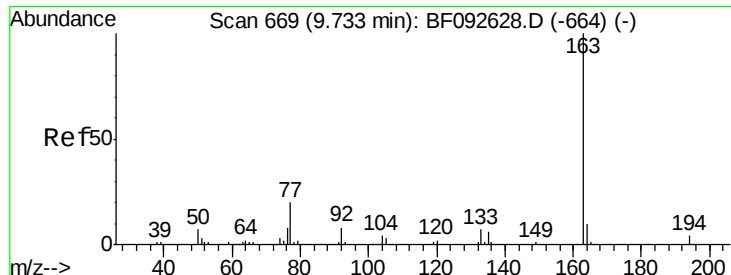
#44
 2-Fluorobiphenyl
 Concen: 96.87 ng
 RT: 9.30 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF092757.D
 Acq: 3 Feb 2017 1:21

Tgt Ion:172 Resp: 1476493
 Ion Ratio Lower Upper
 172 100
 171 36.3 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: 13.72 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

Instrument :

BNA_F

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SB-39-COMP

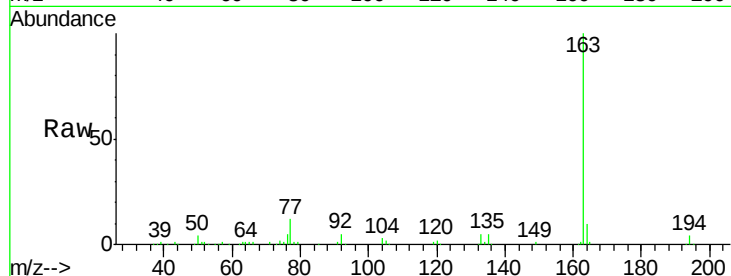
Tgt Ion:163 Resp: 255131

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.4

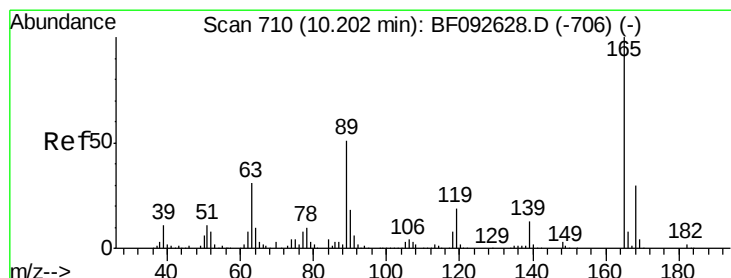
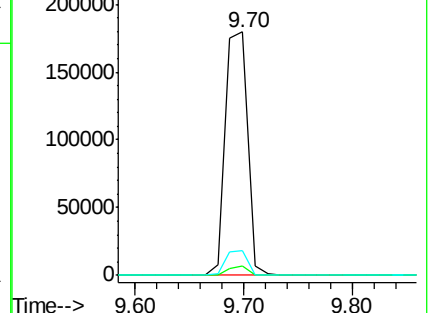
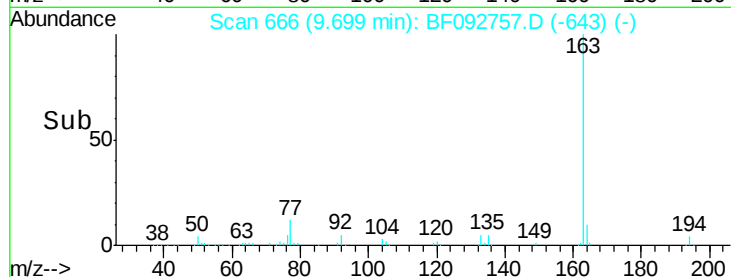
164 10.0 8.0 12.0



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: 6.56 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.23 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

Tgt Ion:165 Resp: 35108

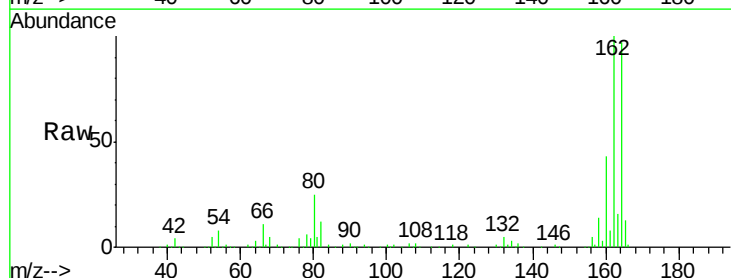
Ion Ratio Lower Upper

165 100

63 1.8 40.2 60.4#

89 0.0 62.5 93.7#

182 0.0 1.8 2.8#

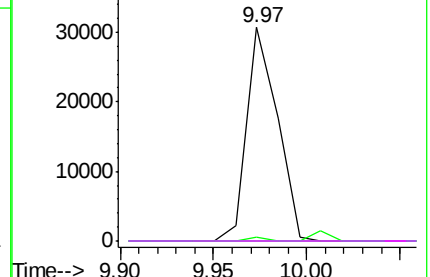
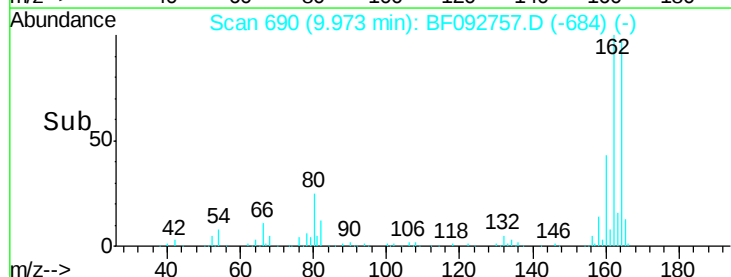


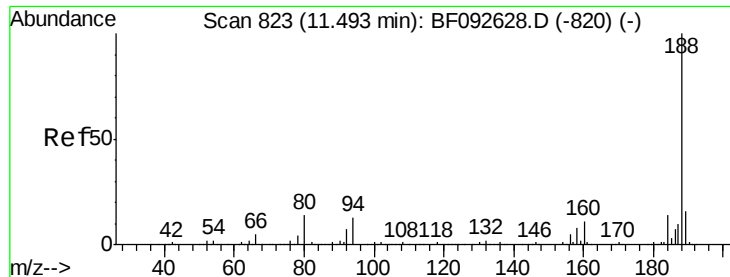
Abundance Ion 165.00 (164.70 to 165.70): E

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

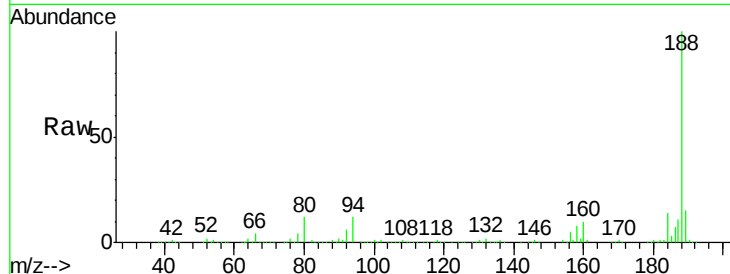




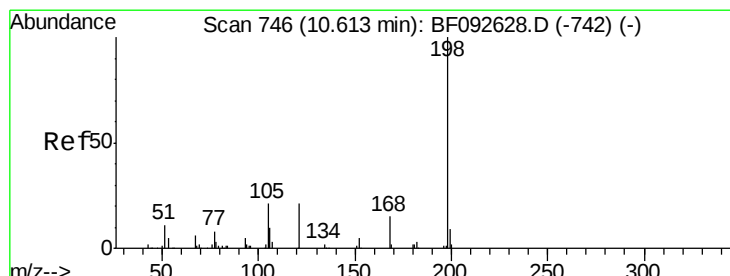
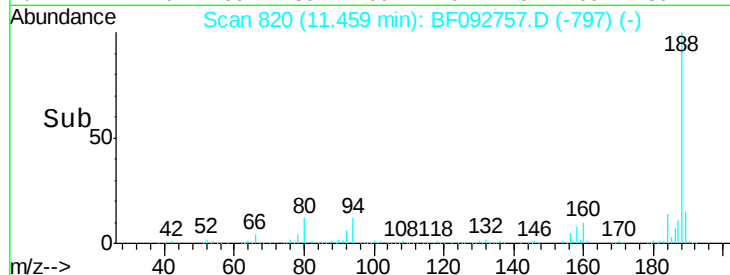
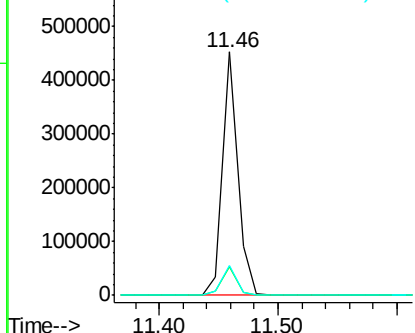
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.03 min
Lab File: BF092757.D
Acq: 3 Feb 2017 1:21

Instrument :
BNA_F
ClientSampleId :
SB-39-COMP

Tgt Ion:188 Resp: 402586
Ion Ratio Lower Upper
188 100
94 11.7 10.0 15.0
80 12.3 11.2 16.8

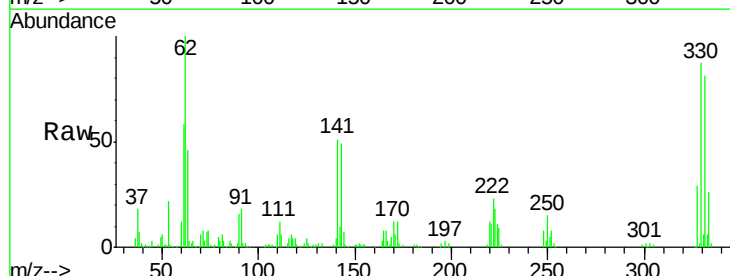


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

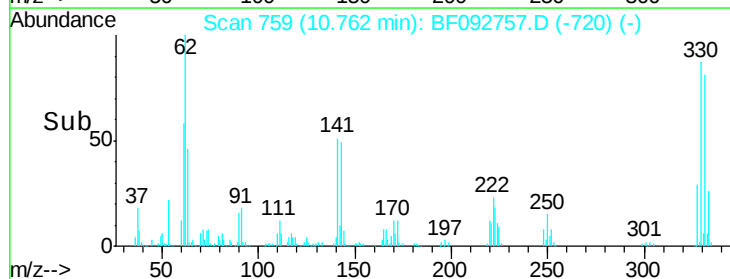
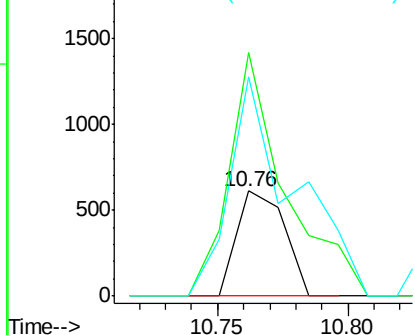


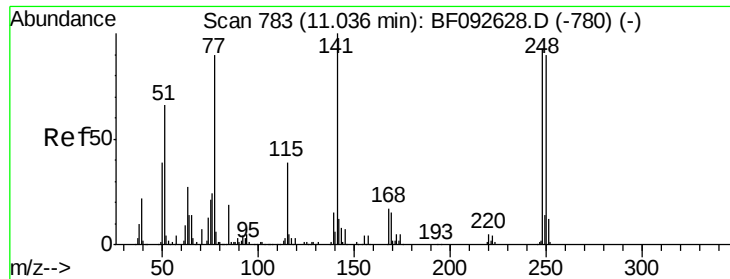
#64
4,6-Dinitro-2-methylphenol
Concen: 2.97 ng
RT: 10.76 min Scan# 759
Delta R.T. 0.15 min
Lab File: BF092757.D
Acq: 3 Feb 2017 1:21

Tgt Ion:198 Resp: 773
Ion Ratio Lower Upper
198 100
51 232.2 6.7 46.7#
105 209.3 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

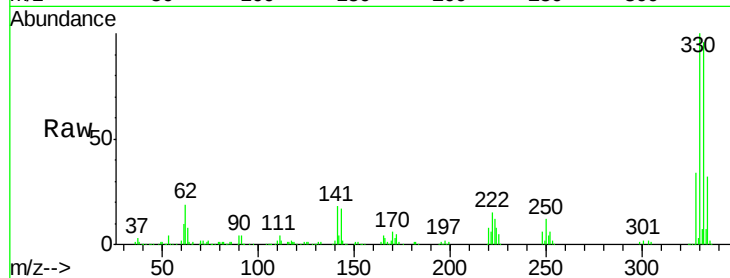




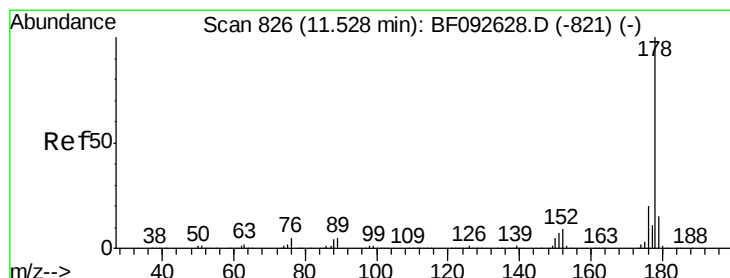
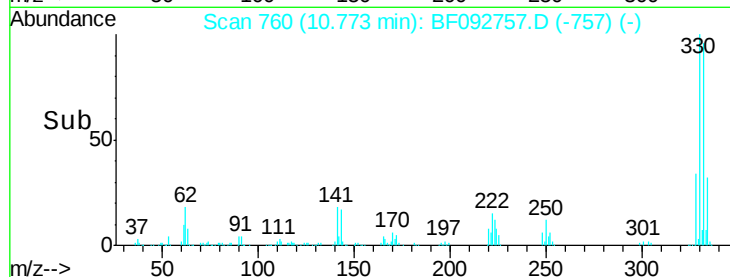
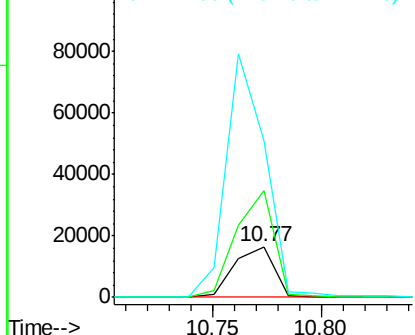
#66
4-Bromophenyl-phenylether
Concen: 5.06 ng
RT: 10.77 min Scan# 760
Delta R.T. -0.26 min
Lab File: BF092757.D
Acq: 3 Feb 2017 1:21

Instrument :
BNA_F
ClientSampleId :
SB-39-COMP

Tgt Ion:248 Resp: 21300
Ion Ratio Lower Upper
248 100
250 209.2 76.9 115.3#
141 307.3 68.2 102.4#

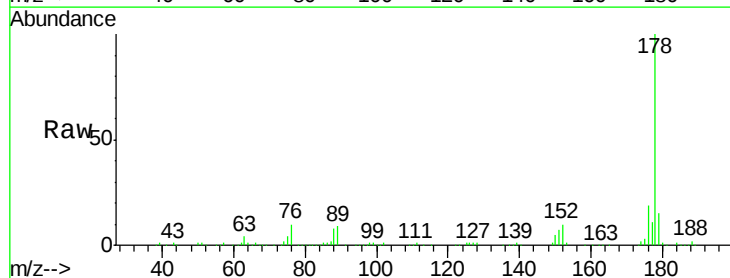


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

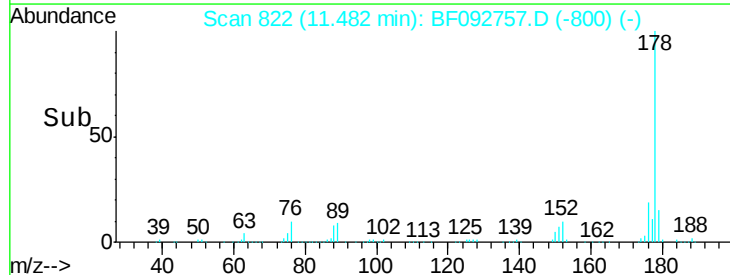
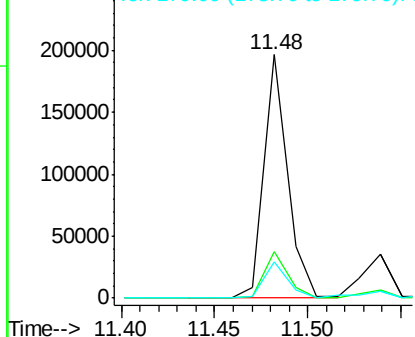


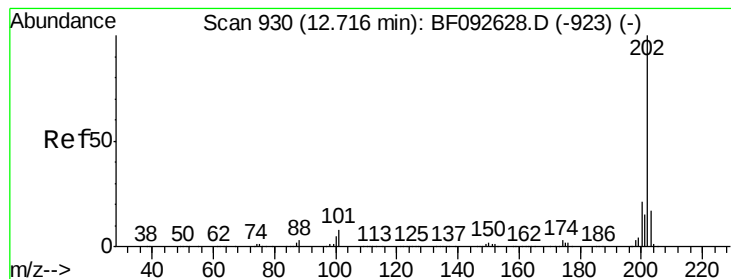
#70
Phenanthrene
Concen: 7.47 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.05 min
Lab File: BF092757.D
Acq: 3 Feb 2017 1:21

Tgt Ion:178 Resp: 172231
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 14.8 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: 4.92 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.05 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

Instrument :

BNA_F

ClientSampleId :

SB-39-COMP

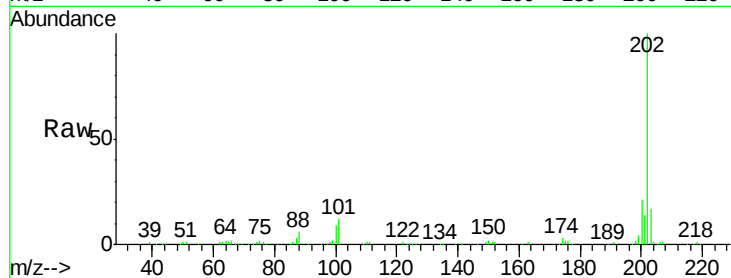
Tgt Ion: 202 Resp: 116990

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.6

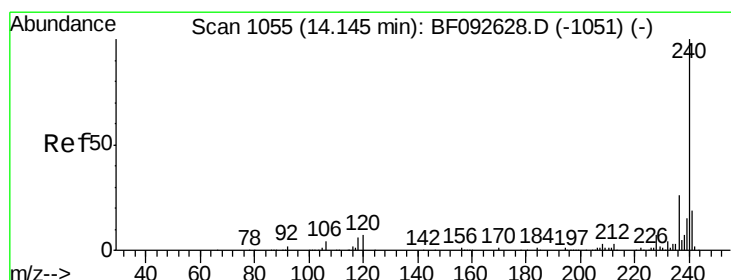
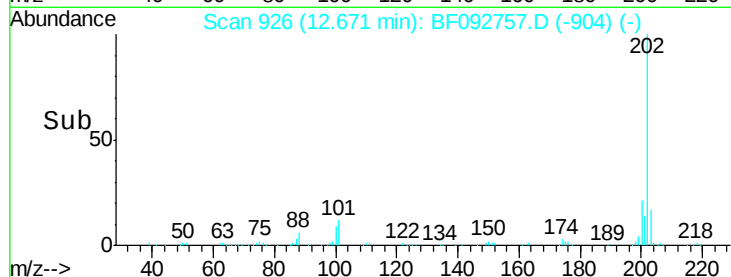
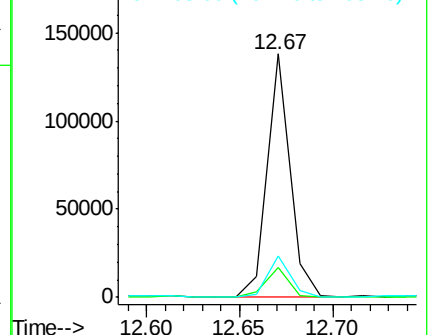
203 17.1 0.0 38.7



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: 14.10 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

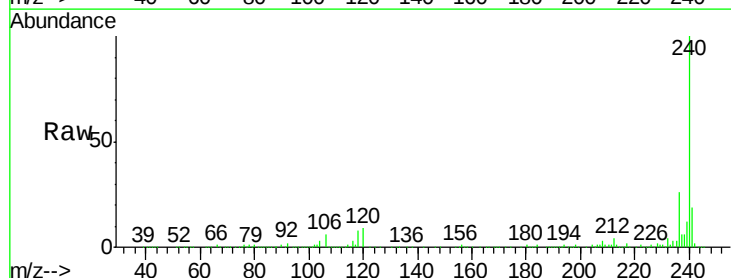
Tgt Ion: 240 Resp: 304942

Ion Ratio Lower Upper

240 100

120 9.3 12.9 19.3#

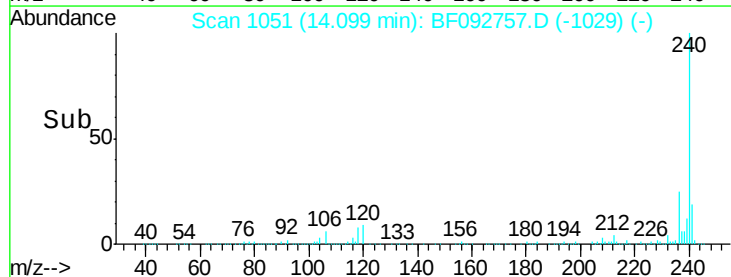
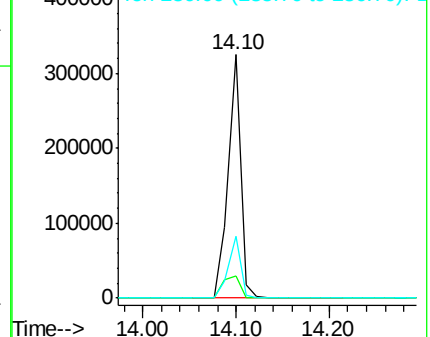
236 25.6 20.9 31.3

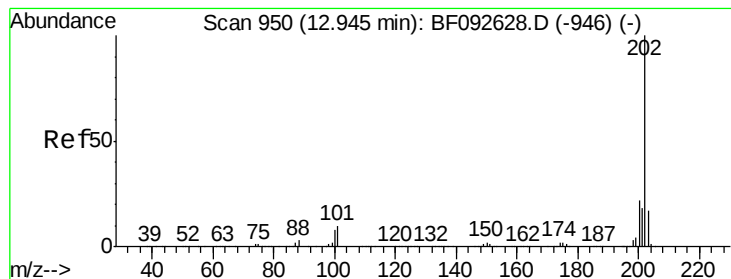


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.06 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

Instrument :

BNA_F

ClientSampleId :

SB-39-COMP

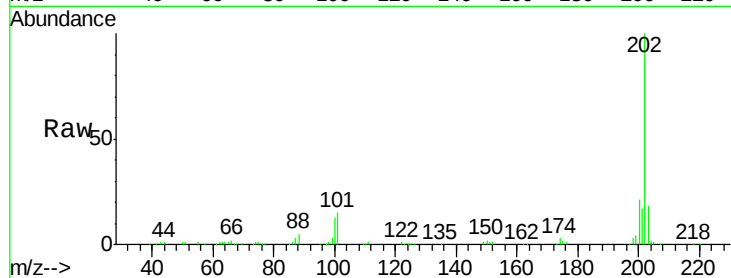
Tgt Ion:202 Resp: 115443

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

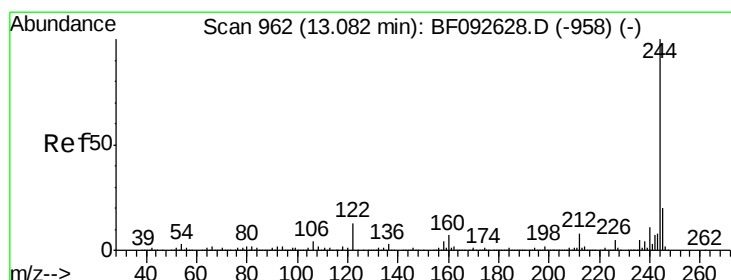
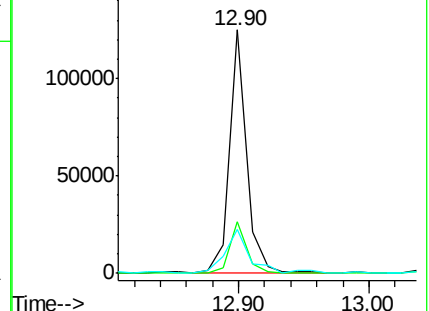
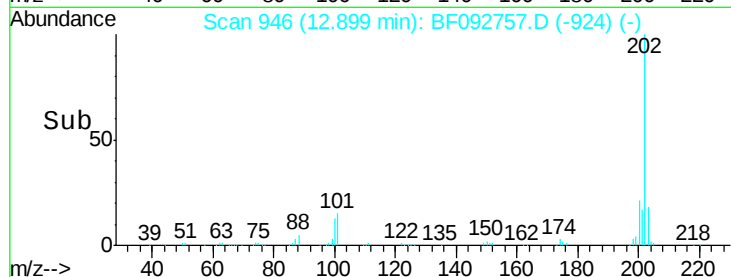
203 17.9 14.7 22.1



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: 80.24 ng

RT: 13.05 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

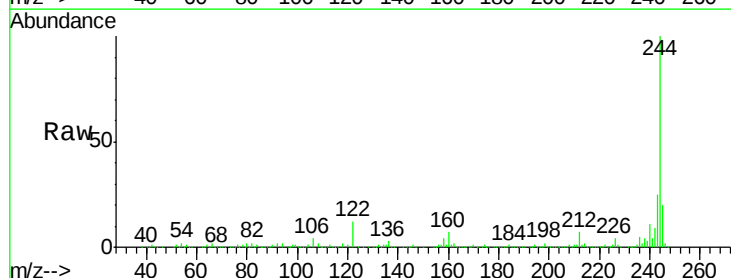
Tgt Ion:244 Resp: 1041301

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

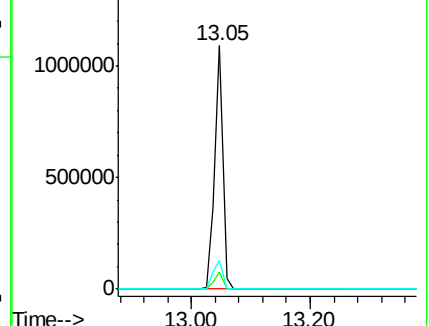
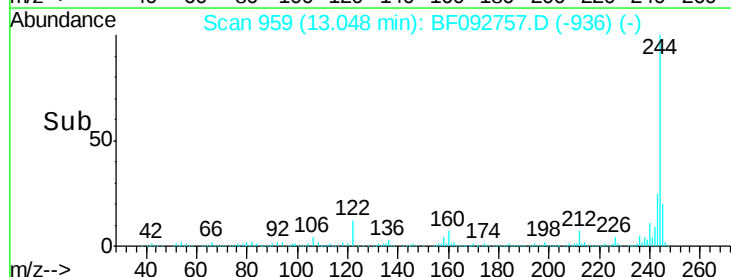
122 11.6 11.4 17.2

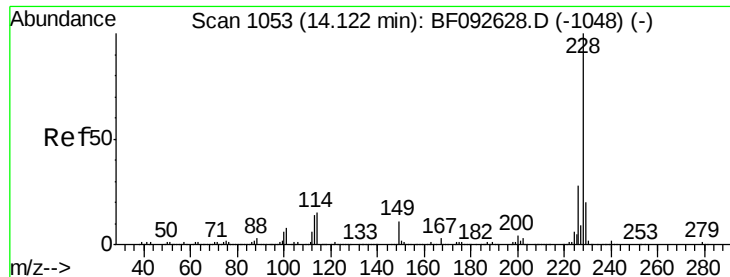


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.42 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.03 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

Instrument :

BNA_F

ClientSampleId :

SB-39-COMP

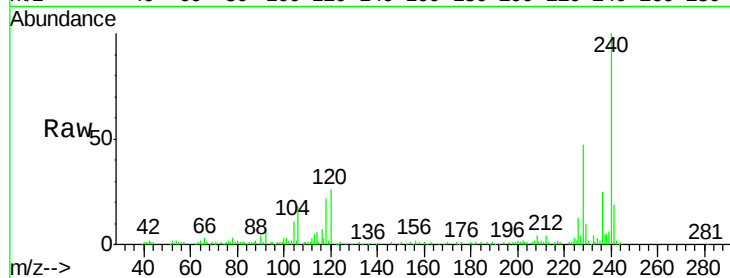
Tgt Ion:228 Resp: 45206

Ion Ratio Lower Upper

228 100

226 28.4 22.4 33.6

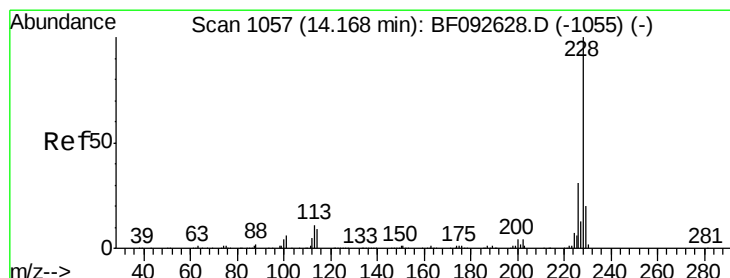
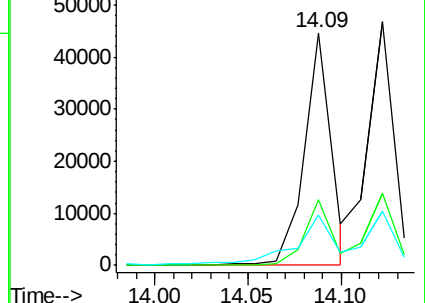
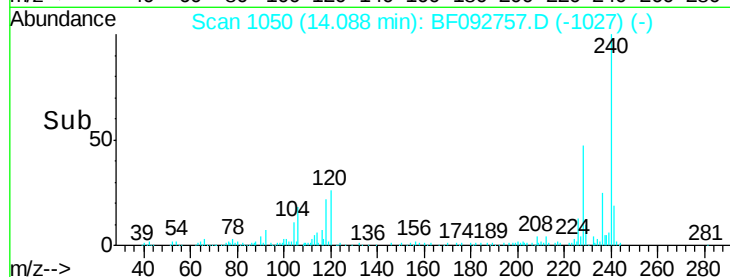
229 21.9 16.2 24.4



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: 2.11 ng

RT: 14.12 min Scan# 1053

Delta R.T. -0.05 min

Lab File: BF092757.D

Acq: 3 Feb 2017 1:21

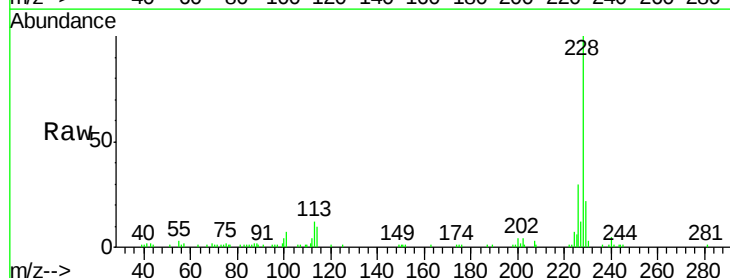
Tgt Ion:228 Resp: 36908

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.0

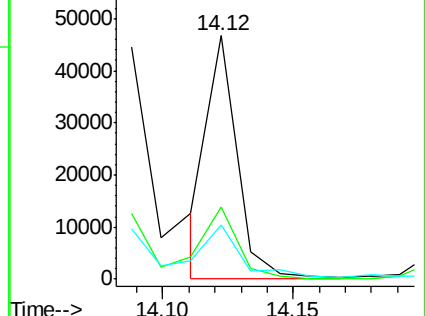
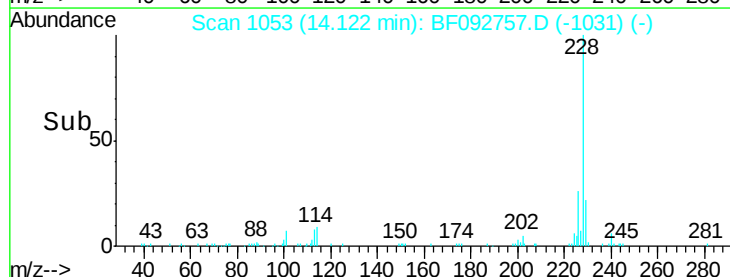
229 22.4 16.2 24.2

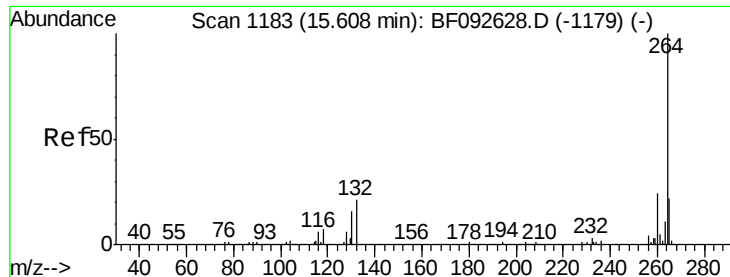


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

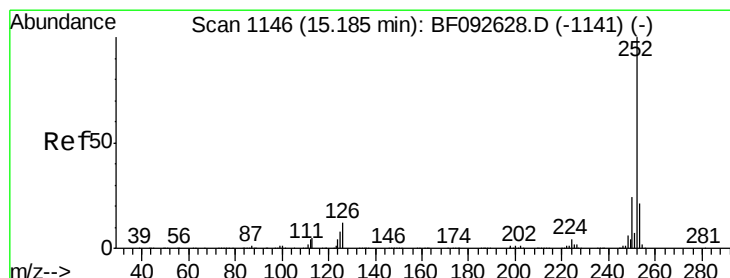
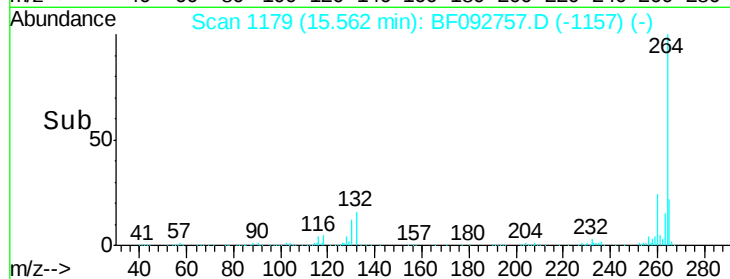
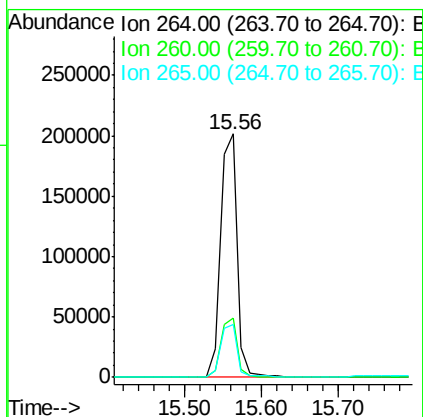
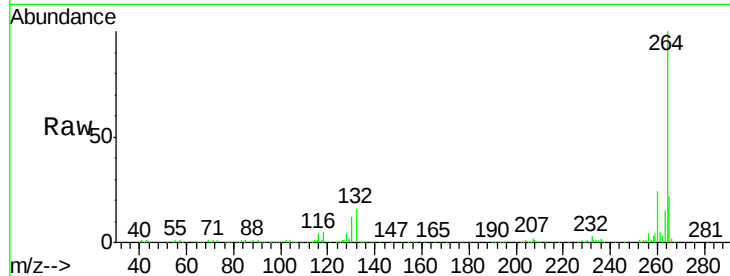




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF092757.D
Acq: 3 Feb 2017 1:21

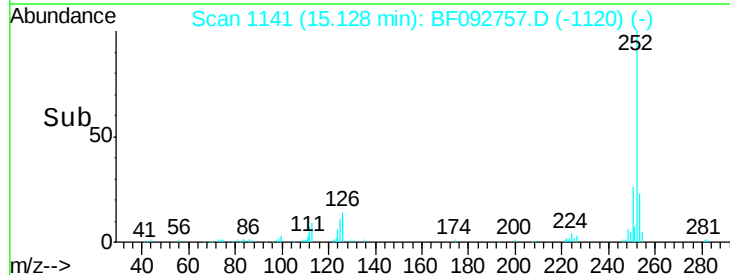
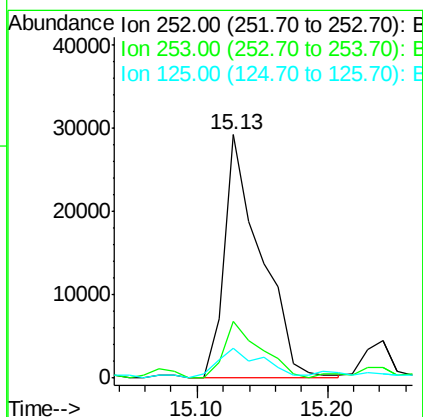
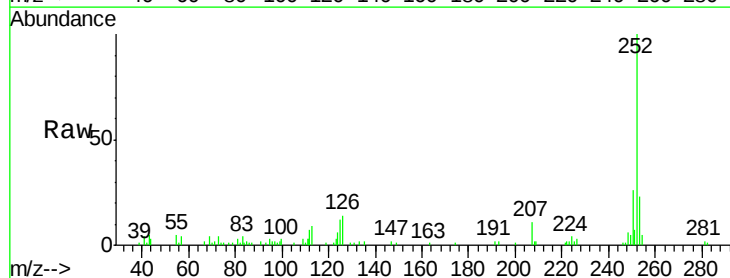
Instrument :
BNA_F
ClientSampleId :
SB-39-COMP

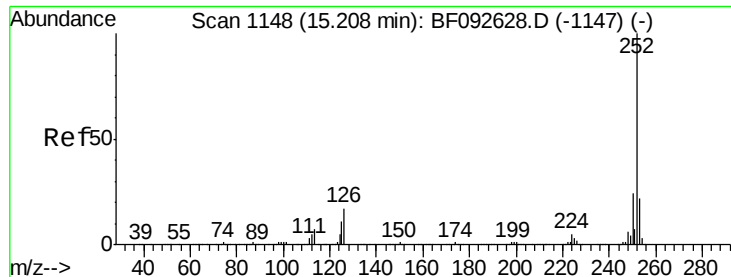
Tgt Ion: 264 Resp: 306373
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.8 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.83 ng
RT: 15.13 min Scan# 1141
Delta R.T. -0.06 min
Lab File: BF092757.D
Acq: 3 Feb 2017 1:21

Tgt Ion: 252 Resp: 57052
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.4
125 12.4 9.8 14.6

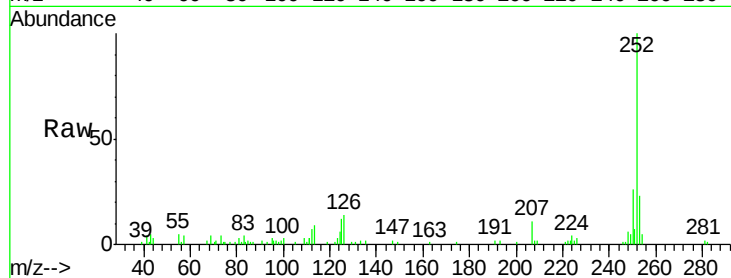




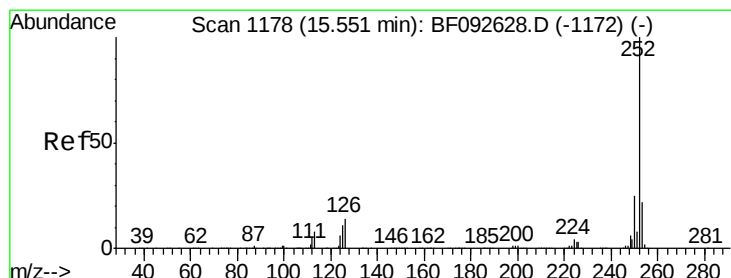
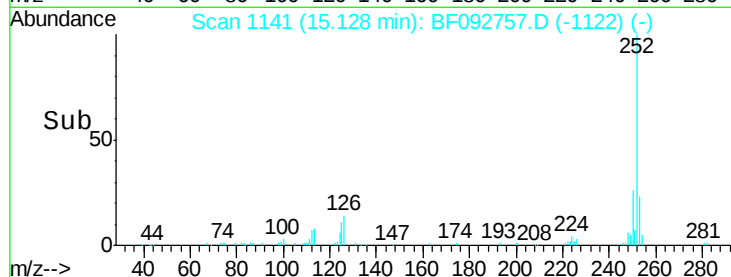
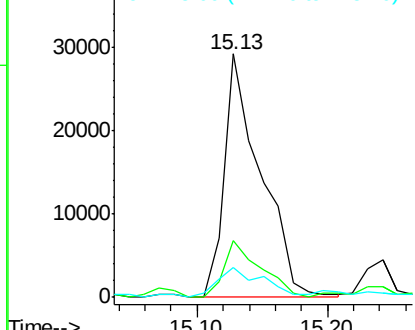
#88
Benzo(k)fluoranthene
Concen: 3.28 ng
RT: 15.13 min Scan# 1141
Delta R.T. -0.08 min
Lab File: BF092757.D
Acq: 3 Feb 2017 1:21

Instrument :
BNA_F
ClientSampleId :
SB-39-COMP

Tgt Ion: 252 Resp: 57052
Ion Ratio Lower Upper
252 100
253 23.1 18.5 27.7
125 12.4 8.9 13.3

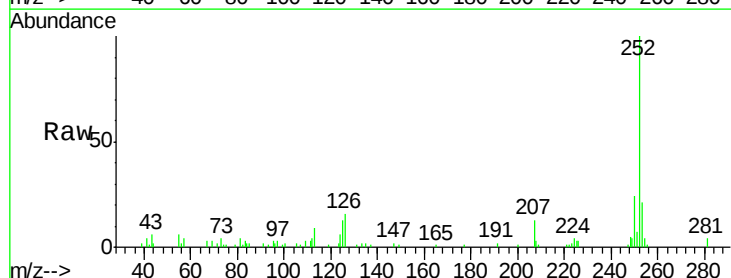


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.01 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.06 min
Lab File: BF092757.D
Acq: 3 Feb 2017 1:21

Tgt Ion: 252 Resp: 35076
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.2
125 13.0 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

