

Data File : BF093096.D
Acq On : 23 Feb 2017 00:50
Operator : SJ/MA
Sample : I1948-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

Quant Time: Feb 23 01:18:33 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	169127	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	676571	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	318831	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	582560	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	391211	20.00	ng	-0.03
86) Perylene-d12	15.41	264	319213	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1045506	106.06	ng	-0.01
7) Phenol-d6	6.48	99	1390348	109.61	ng	-0.01
23) Nitrobenzene-d5	7.40	82	897883	73.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	218780	94.87	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1368933	77.79	ng	-0.02
78) Terphenyl-d14	12.95	244	1284428	77.14	ng	-0.02

Target Compounds						Qvalue
10) Phenol	6.49	94	87219	5.88	ng	# 69
19) n-Nitroso-di-n-propylamine	7.40	70	119318	14.78	ng	# 81
25) Isophorone	7.40	82	684883	30.25	ng	# 65
49) Dimethylphthalate	9.60	163	129948	6.05	ng	97
56) 2,4-Dinitrotoluene	9.87	165	41579	6.73	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.66	198	405	2.78	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	16264	2.67	ng	# 1
70) Phenanthrene	11.38	178	149536	4.48	ng	97
74) Fluoranthene	12.57	202	203756	5.92	ng	92
77) Pyrene	12.80	202	178956	6.11	ng	97
80) Benzo(a)anthracene	13.97	228	78242	3.27	ng	98
82) Chrysene	13.97	228	78242	3.49	ng	94
83) Bis(2-ethylhexyl)phthalate	13.97	149	58094	3.57	ng	# 92
87) Benzo(b)fluoranthene	15.00	252	83978	4.00	ng	# 92
88) Benzo(k)fluoranthene	15.00	252	83978	4.63	ng	# 92
89) Benzo(a)pyrene	15.36	252	44903	2.47	ng	98
91) Benzo(g,h,i)perylene	17.22	276	30551	2.06	ng	# 85

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

Data File : BF093096.D

Acq On : 23 Feb 2017 00:50

Operator : SJ/MA

Sample : I1948-05

Misc :

ALS Vial : 24 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

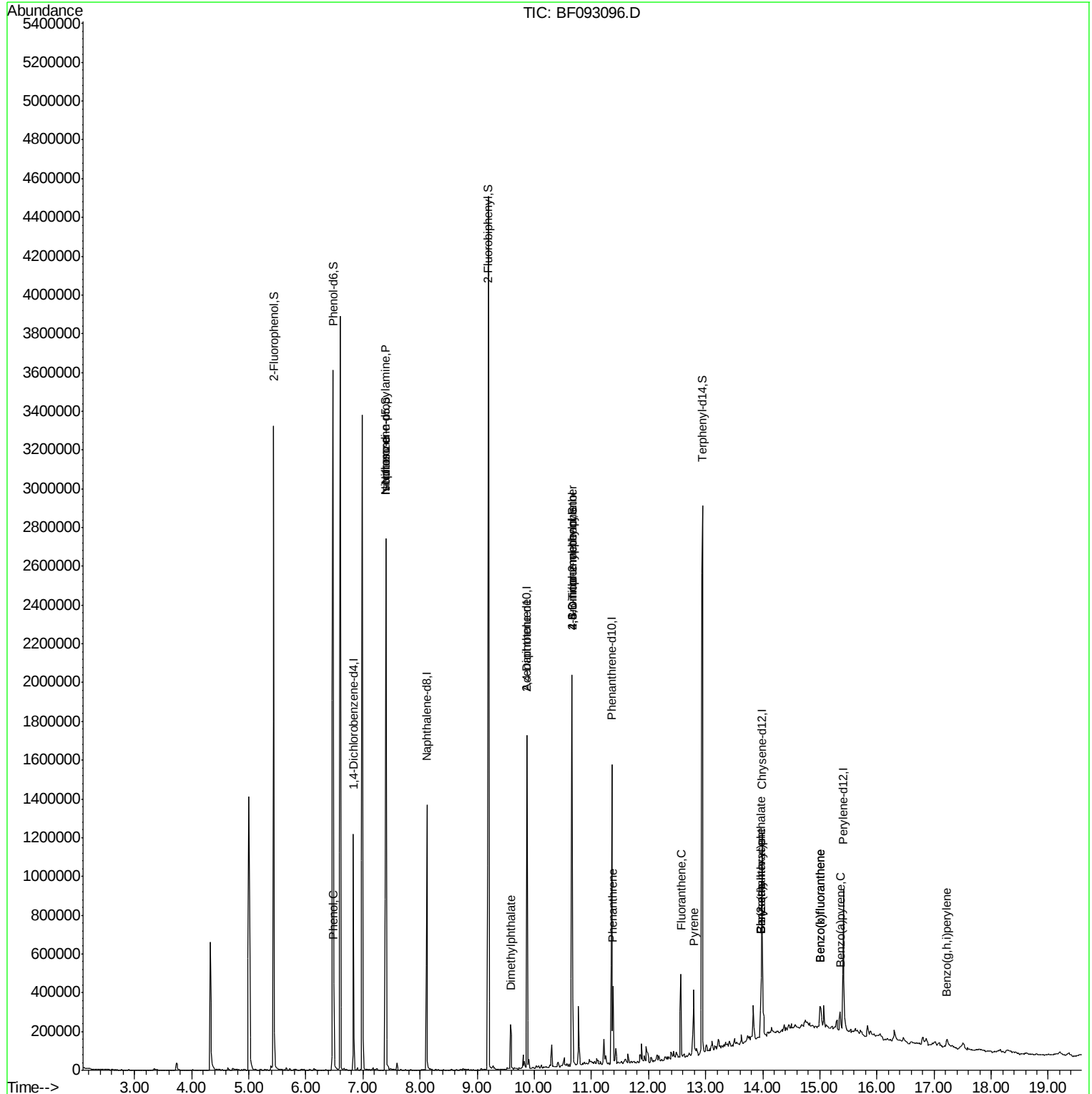
Quant Time: Feb 23 01:18:33 2017

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

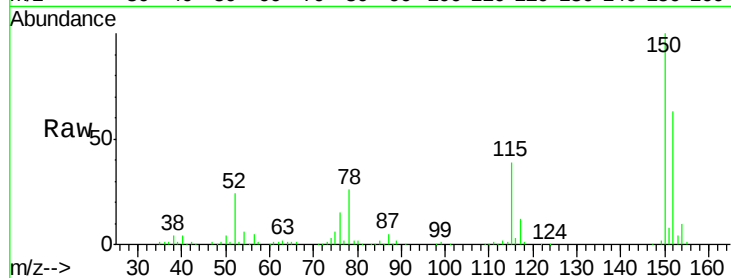
Tgt Ion:152 Resp: 169127

Ion Ratio Lower Upper

152 100

150 159.5 124.9 187.3

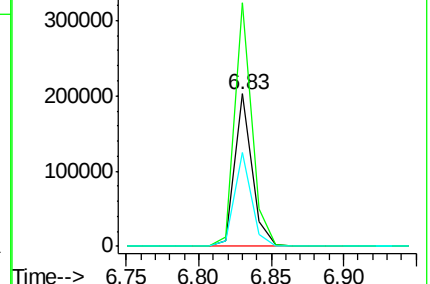
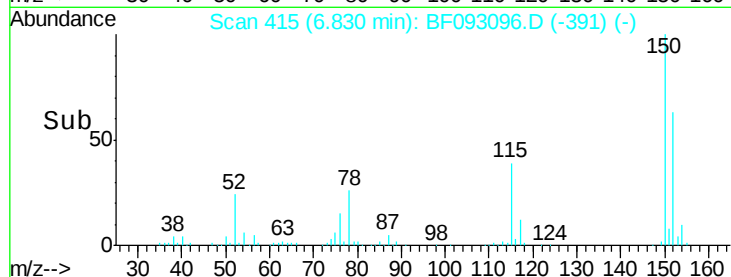
115 61.7 46.0 69.0



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: 106.06 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

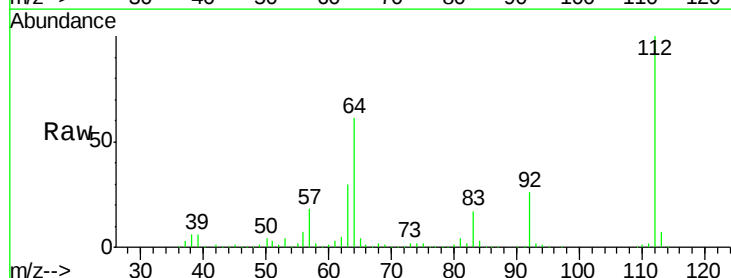
Tgt Ion:112 Resp: 1045506

Ion Ratio Lower Upper

112 100

64 60.7 46.1 69.1

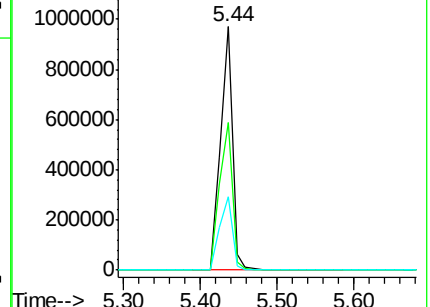
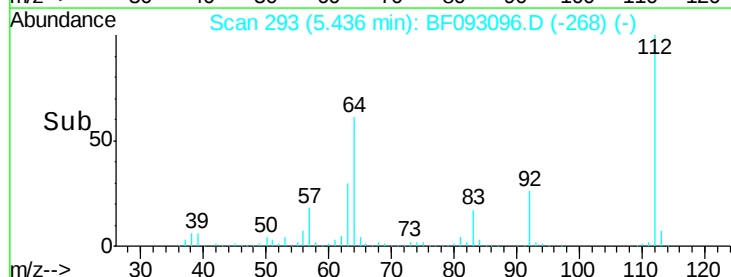
63 30.4 23.8 35.6



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: 109.61 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

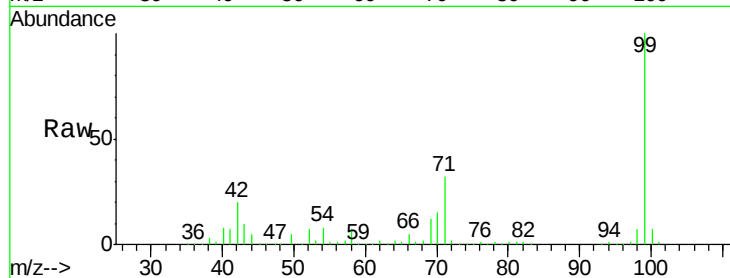
Tgt Ion: 99 Resp: 1390348

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

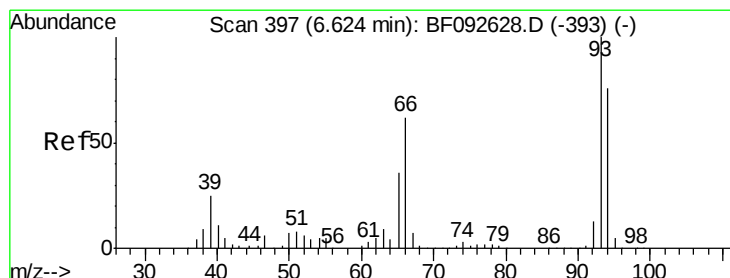
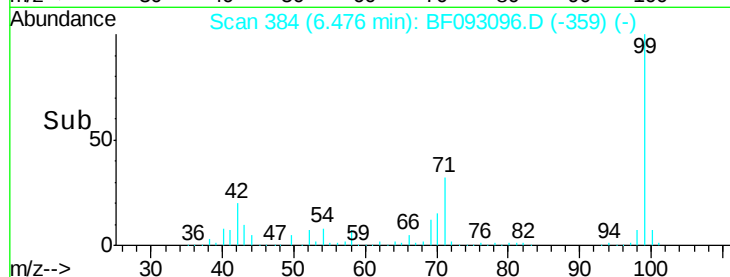
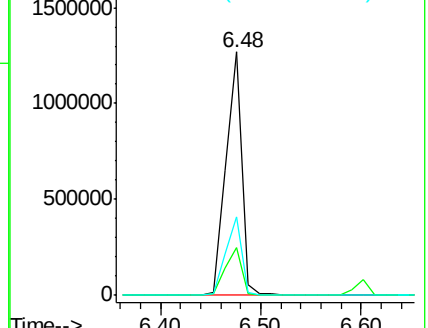
71 32.3 27.5 41.3



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: 5.88 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

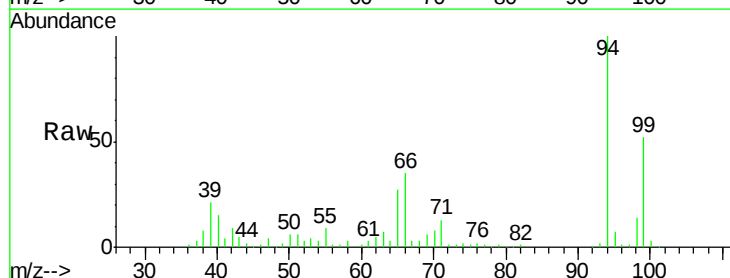
Tgt Ion: 94 Resp: 87219

Ion Ratio Lower Upper

94 100

65 27.0 21.4 61.4

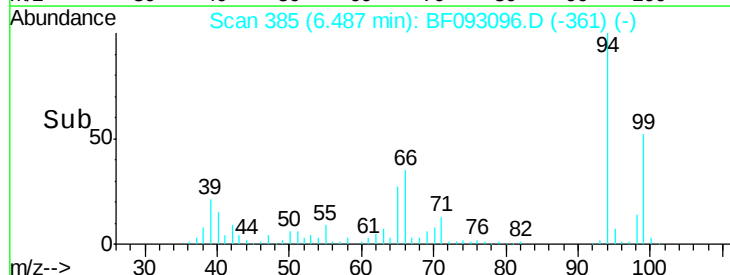
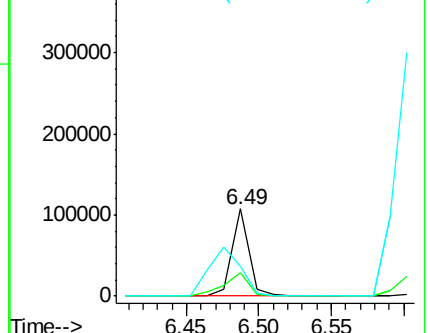
66 35.1 44.0 84.0#



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

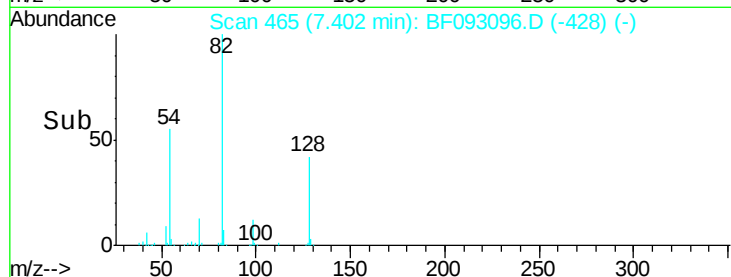
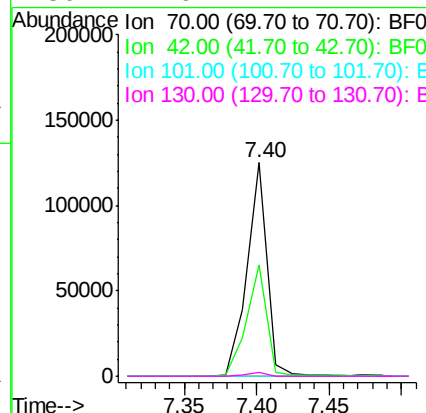
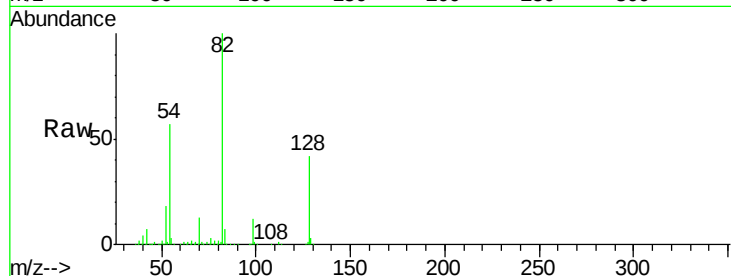




#19
n-Nitroso-di-n-propylamine
Concen: 14.78 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

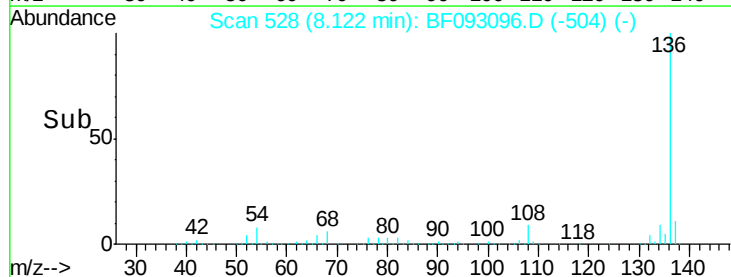
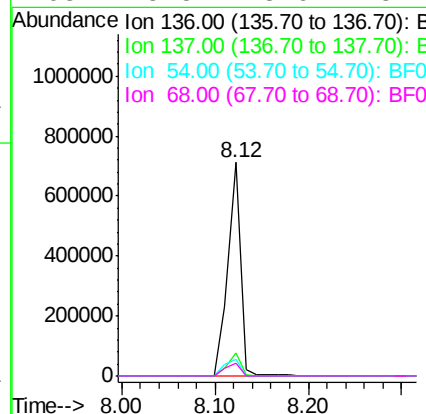
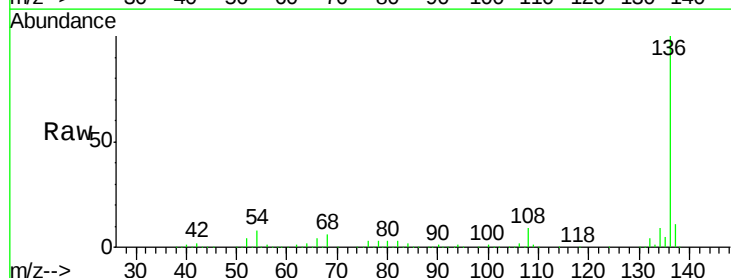
Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

Tgt Ion: 70 Resp: 119318
Ion Ratio Lower Upper
70 100
42 51.9 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 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: BF093096.D
Acq: 23 Feb 2017 00:50

Tgt Ion: 136 Resp: 676571
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.7 4.5 6.7#
68 5.8 3.6 5.4#

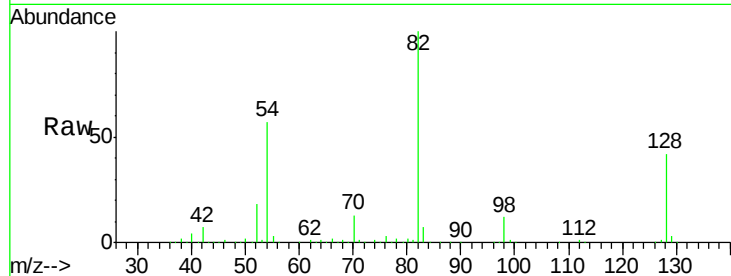




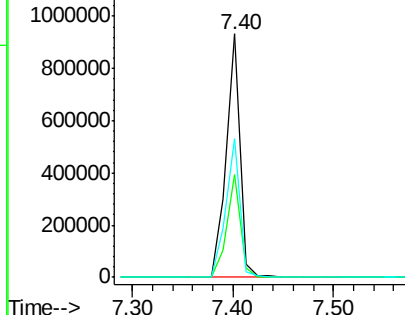
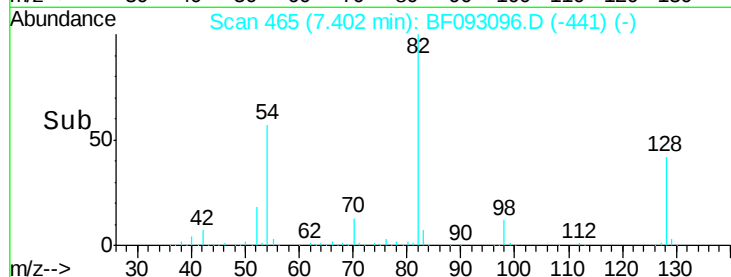
#23
Nitrobenzene-d5
Concen: 73.90 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

Tgt Ion: 82 Resp: 897883
Ion Ratio Lower Upper
82 100
128 42.2 34.6 52.0
54 57.0 39.5 59.3

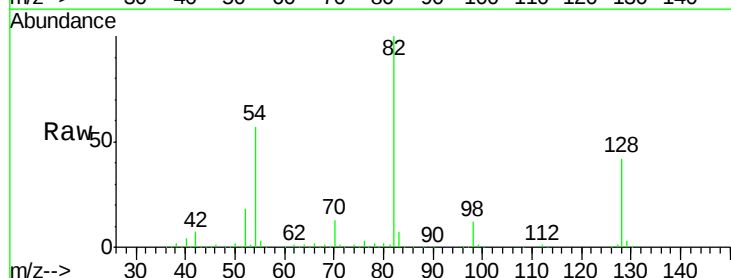


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

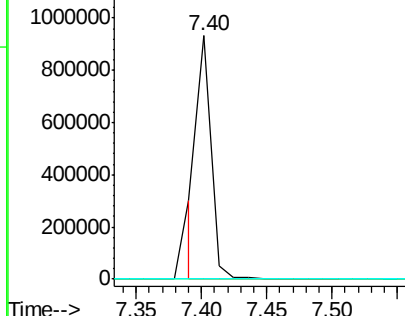
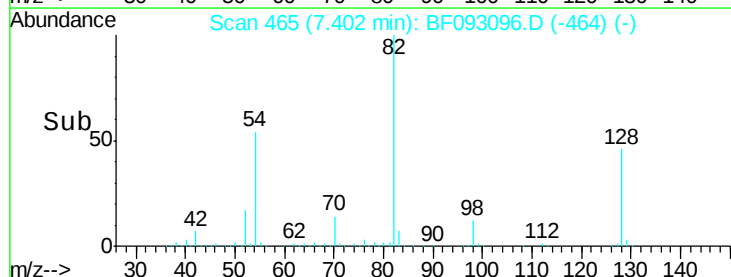


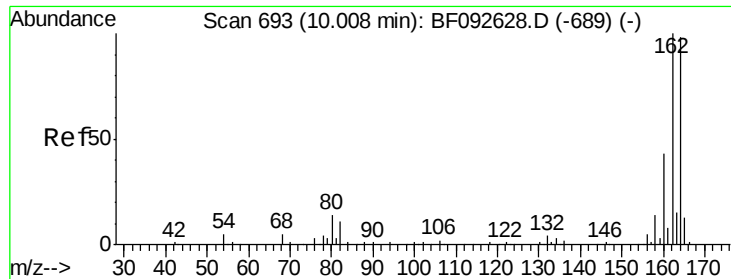
#25
Isophorone
Concen: 30.25 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.29 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Tgt Ion: 82 Resp: 684883
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: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

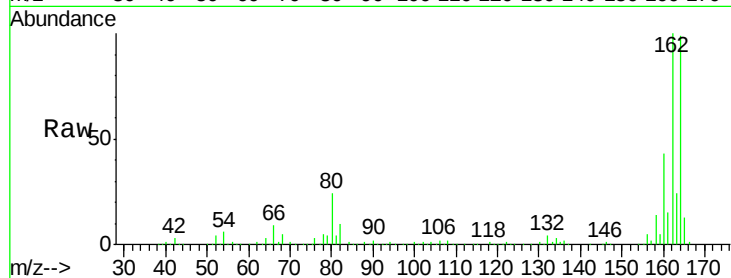
Tgt Ion:164 Resp: 318831

Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.2

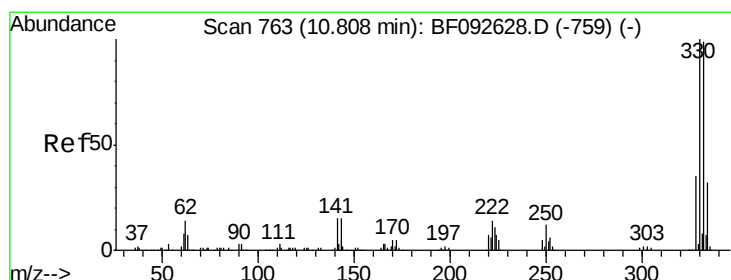
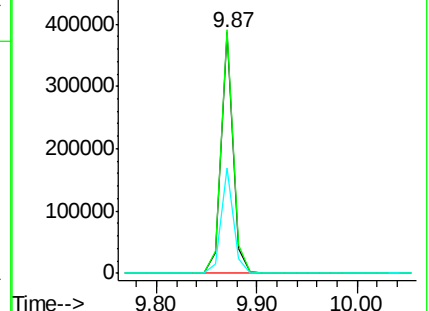
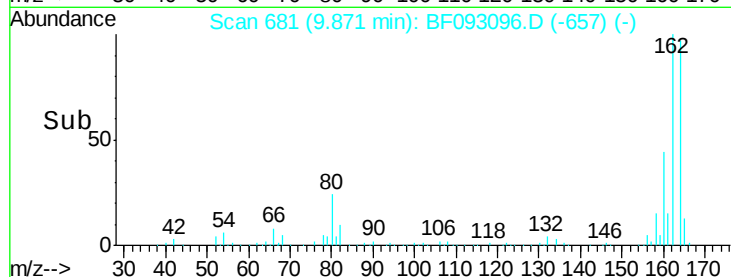
160 43.9 36.9 55.3



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: 94.87 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

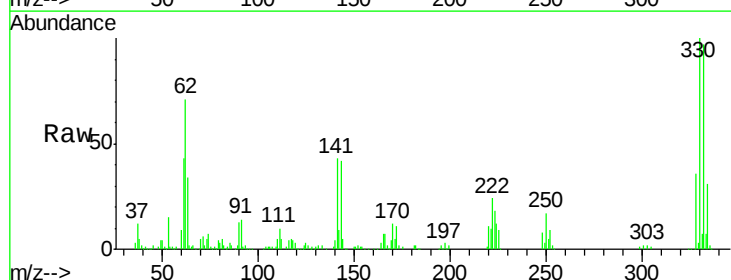
Tgt Ion:330 Resp: 218780

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.2

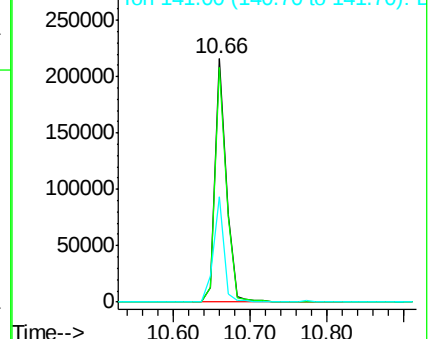
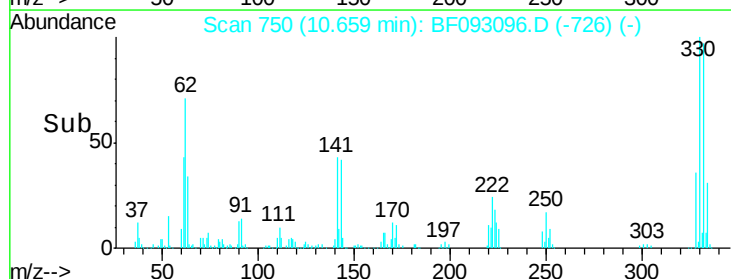
141 40.3 34.1 51.1

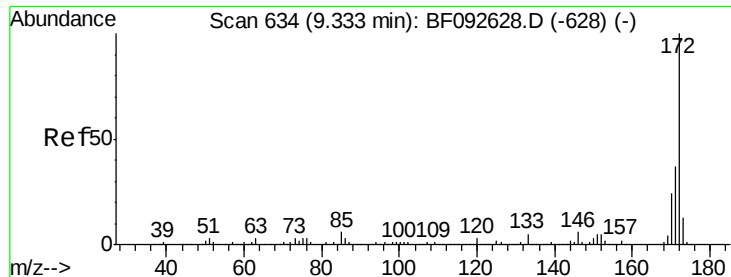


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

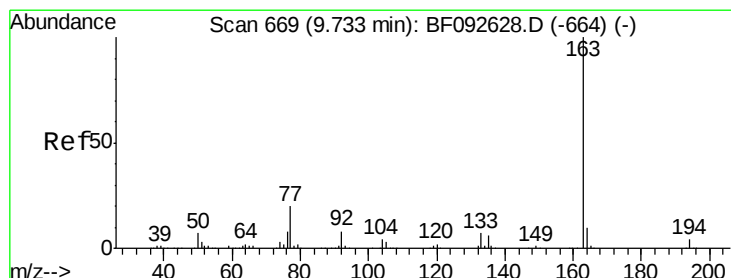
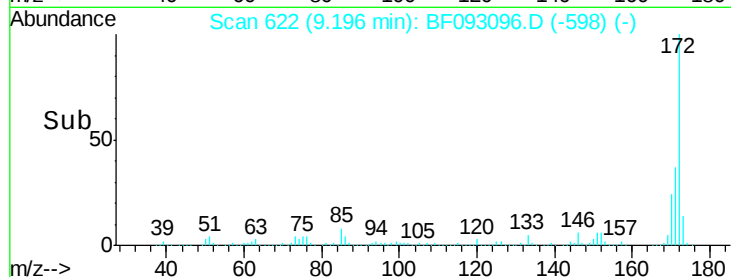
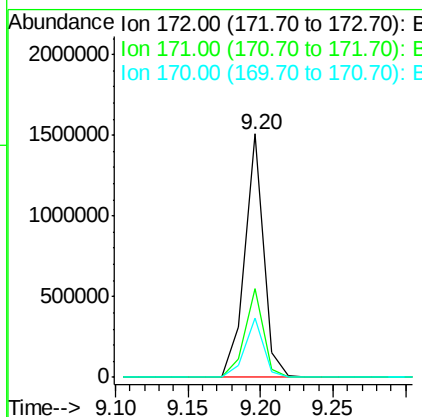
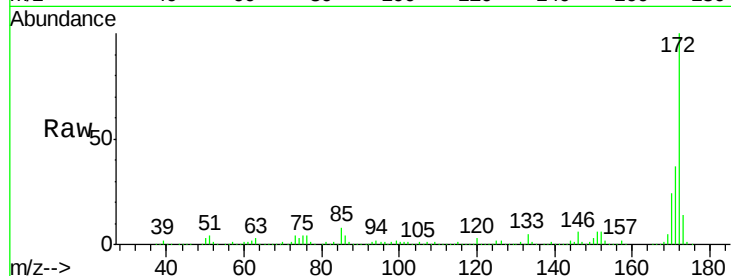




#44
 2-Fluorobiphenyl
 Concen: 77.79 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093096.D
 Acq: 23 Feb 2017 00:50

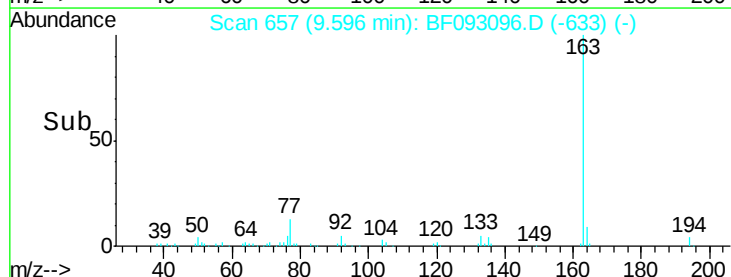
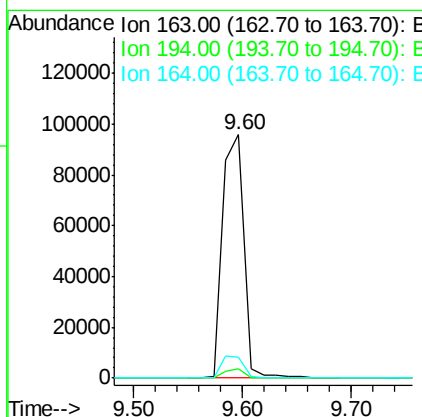
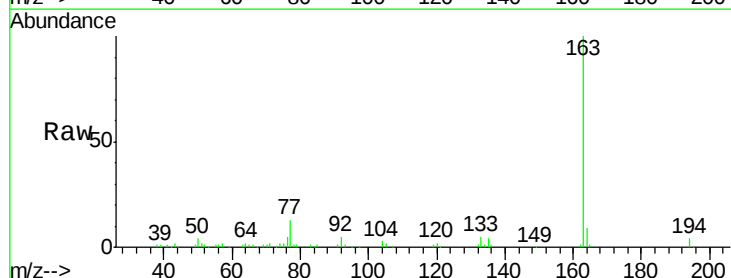
Instrument :
 BNA_F
 ClientSampleId :
 TP23-24-COMP17

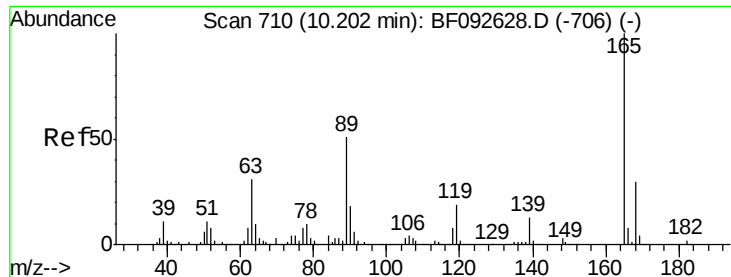
Tgt Ion:172 Resp: 1368933
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.4 20.2 30.4



#49
 Dimethylphthalate
 Concen: 6.05 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: BF093096.D
 Acq: 23 Feb 2017 00:50

Tgt Ion:163 Resp: 129948
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.0 4.4
 164 8.6 8.0 12.0

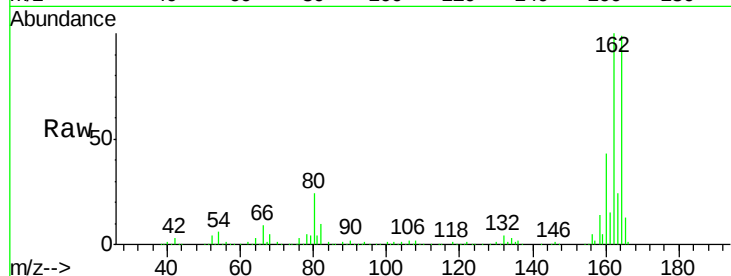




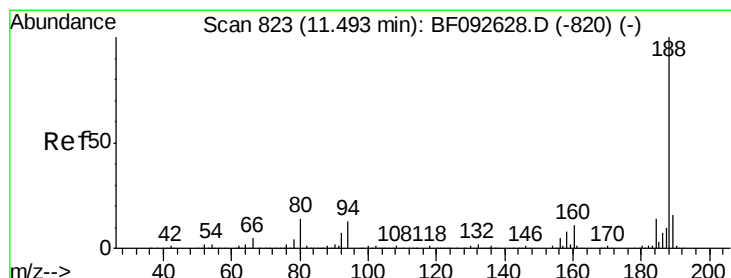
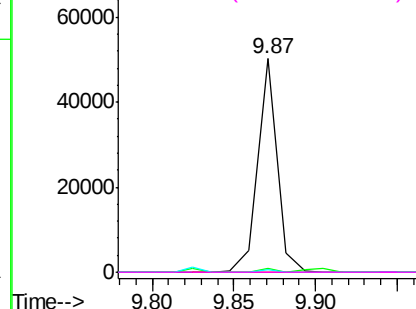
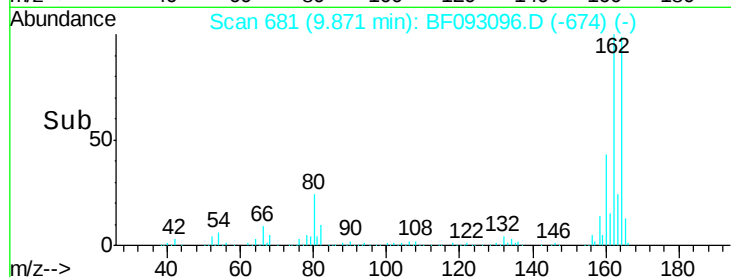
#56
 2,4-Dinitrotoluene
 Concen: 6.73 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.22 min
 Lab File: BF093096.D
 Acq: 23 Feb 2017 00:50

Instrument :
 BNA_F
 ClientSampleId :
 TP23-24-COMP17

Tgt Ion:165 Resp: 41579
 Ion Ratio Lower Upper
 165 100
 63 1.6 40.2 60.4#
 89 1.0 62.5 93.7#
 182 0.0 1.8 2.8#

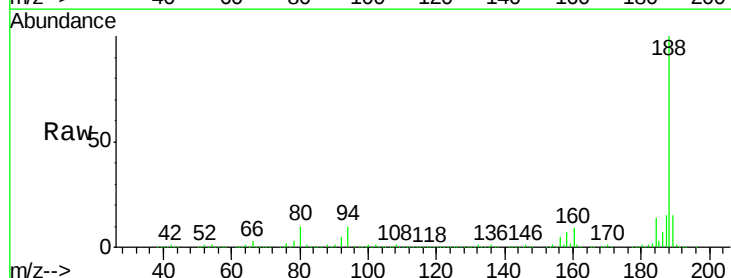


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

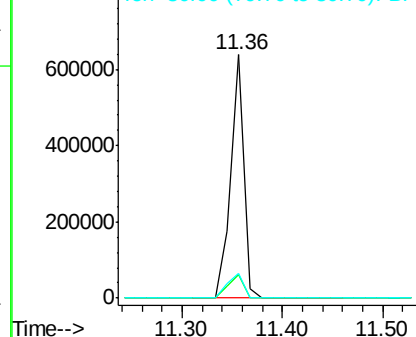
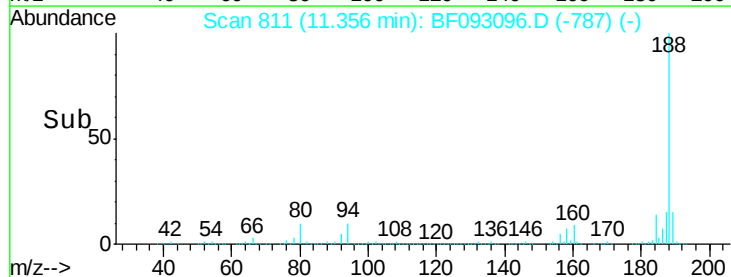


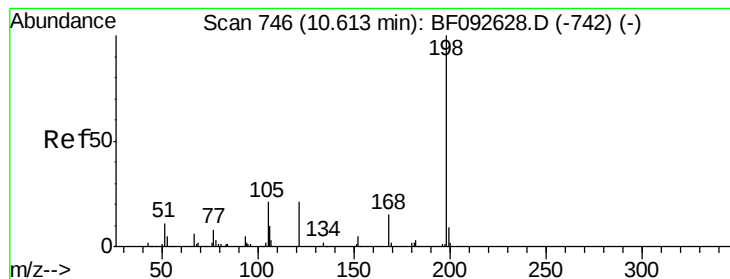
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF093096.D
 Acq: 23 Feb 2017 00:50

Tgt Ion:188 Resp: 582560
 Ion Ratio Lower Upper
 188 100
 94 9.5 10.0 15.0#
 80 10.1 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: 2.78 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.16 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

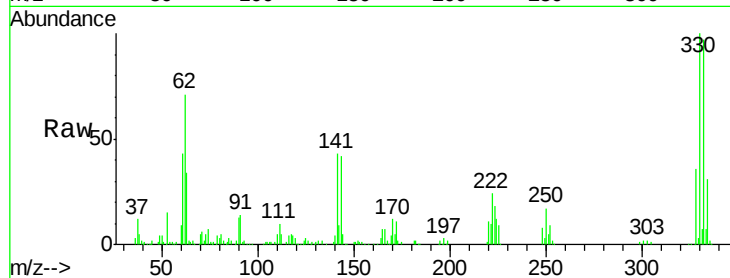
Tgt Ion:198 Resp: 405

Ion Ratio Lower Upper

198 100

51 253.6 6.7 46.7#

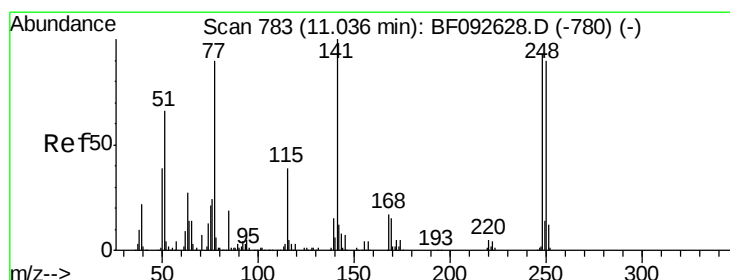
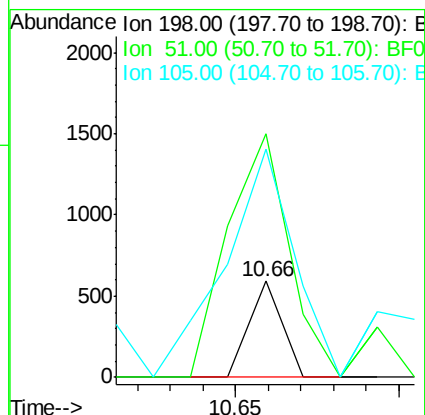
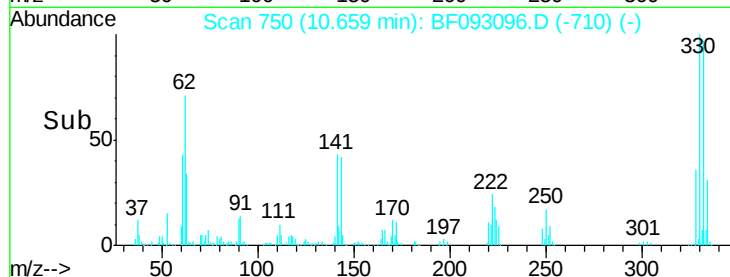
105 237.9 16.6 56.6#



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: 2.67 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.26 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

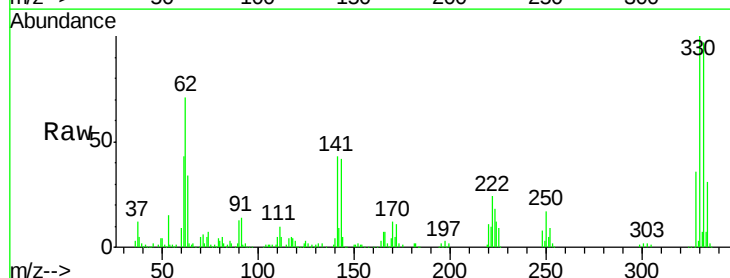
Tgt Ion:248 Resp: 16264

Ion Ratio Lower Upper

248 100

250 196.6 76.9 115.3#

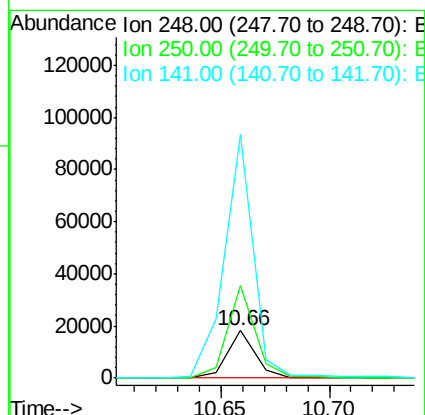
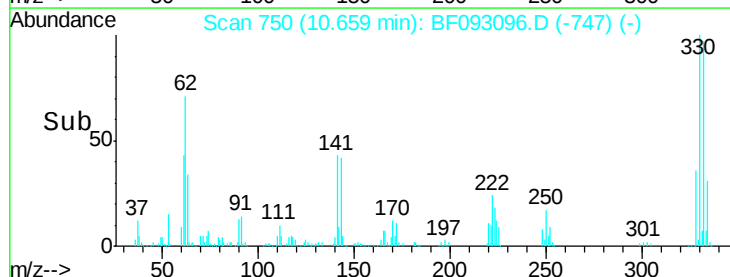
141 514.3 68.2 102.4#

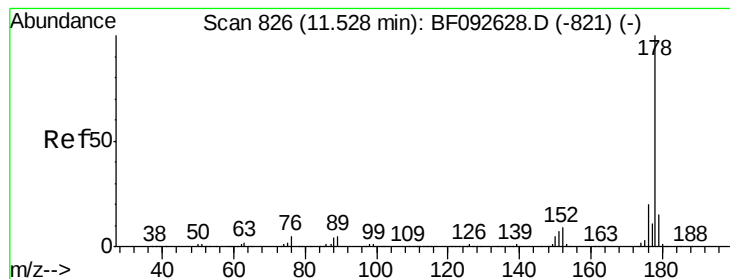


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.48 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

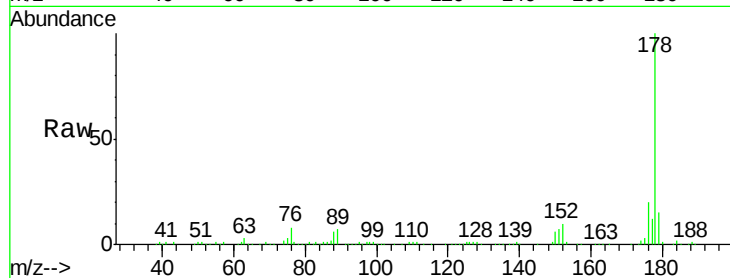
Tgt Ion:178 Resp: 149536

Ion Ratio Lower Upper

178 100

176 19.6 16.6 25.0

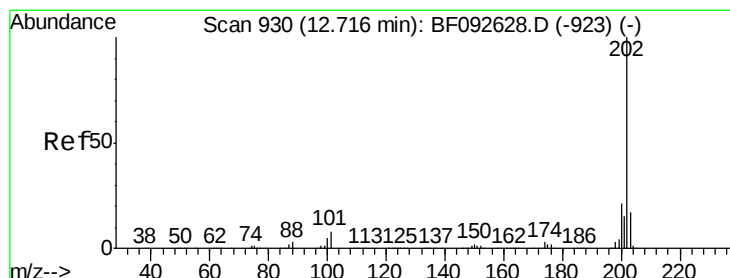
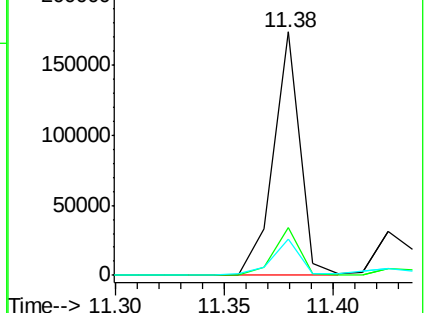
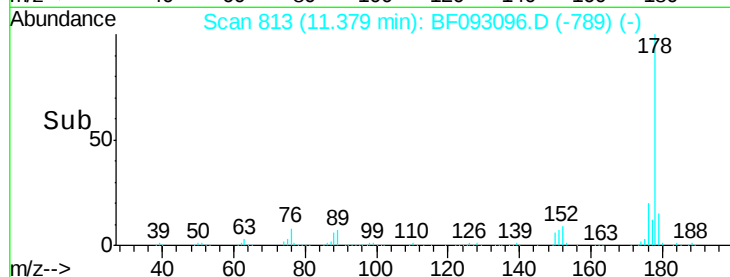
179 15.0 12.8 19.2



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: 5.92 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

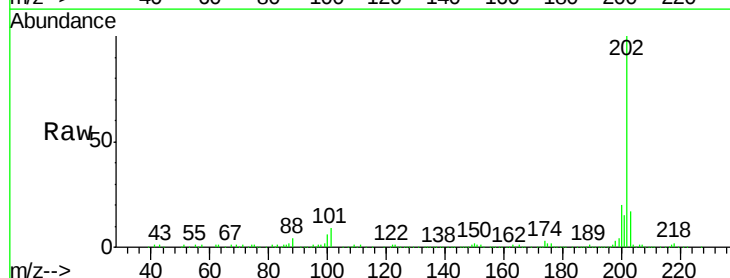
Tgt Ion:202 Resp: 203756

Ion Ratio Lower Upper

202 100

101 9.0 0.0 34.6

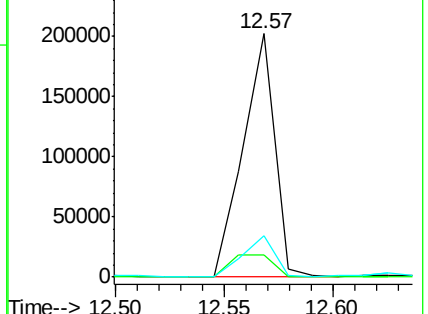
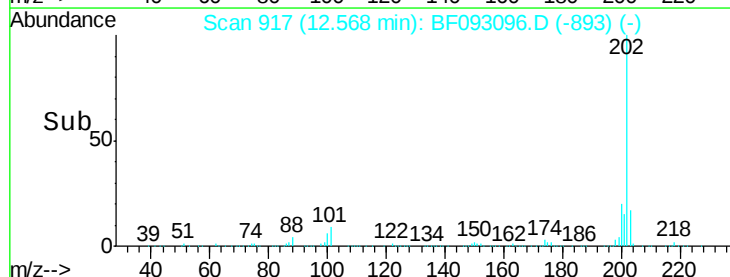
203 16.9 0.0 38.7

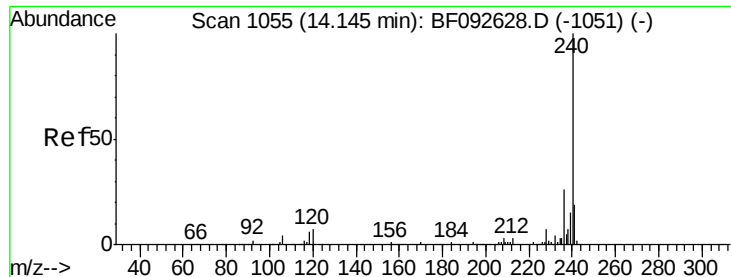


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

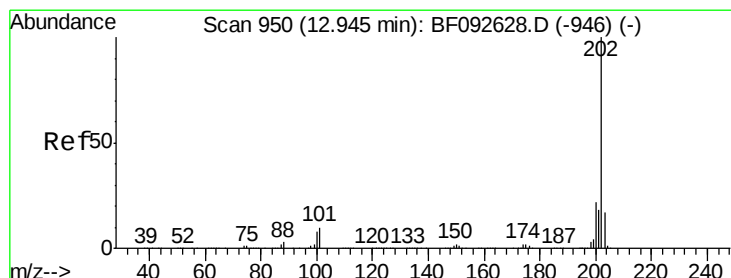
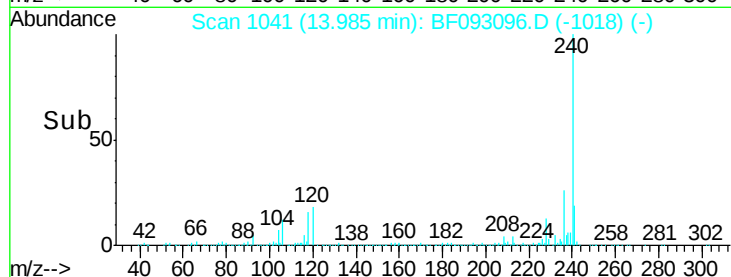
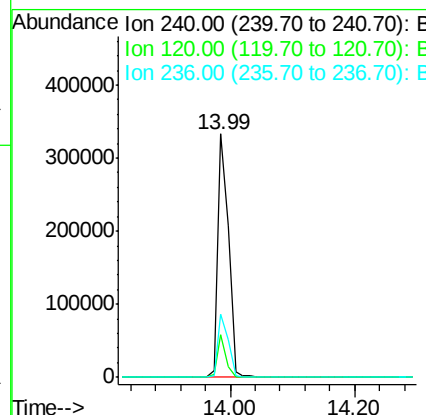
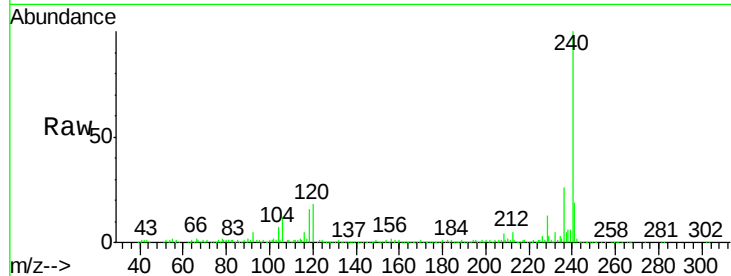




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

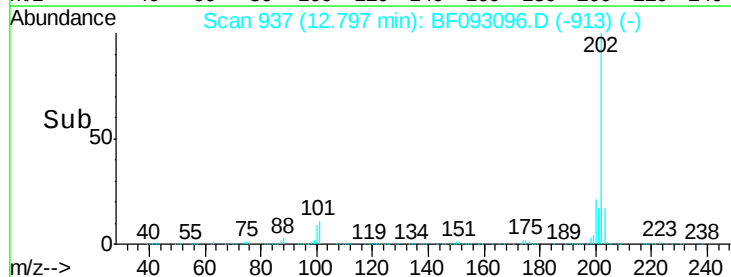
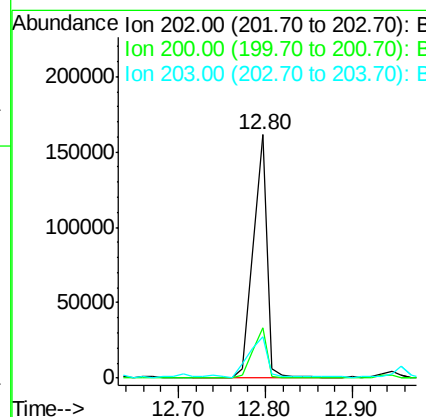
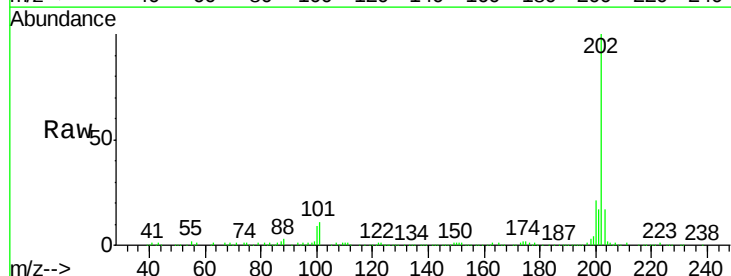
Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

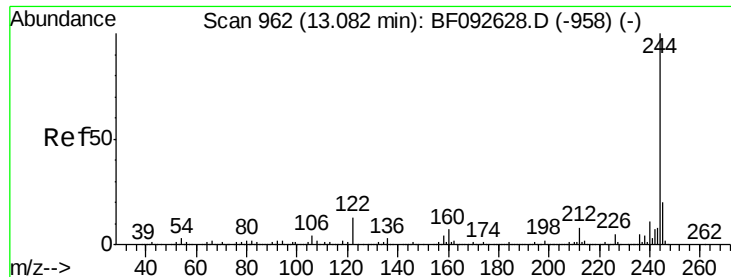
Tgt Ion:240 Resp: 391211
Ion Ratio Lower Upper
240 100
120 17.7 12.9 19.3
236 25.7 20.9 31.3



#77
Pyrene
Concen: 6.11 ng
RT: 12.80 min Scan# 937
Delta R.T. -0.02 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Tgt Ion:202 Resp: 178956
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.0 14.7 22.1

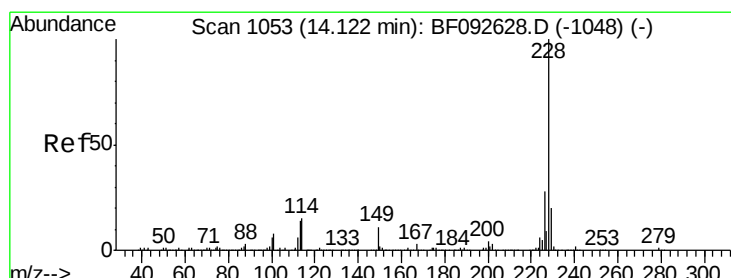
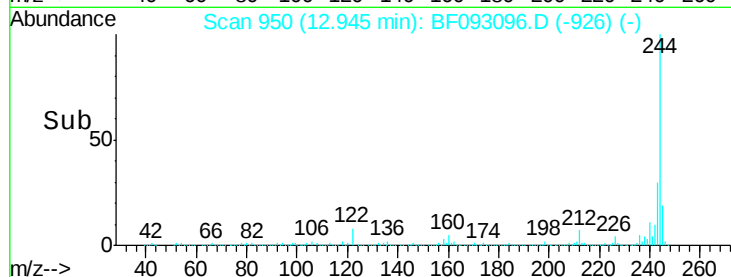
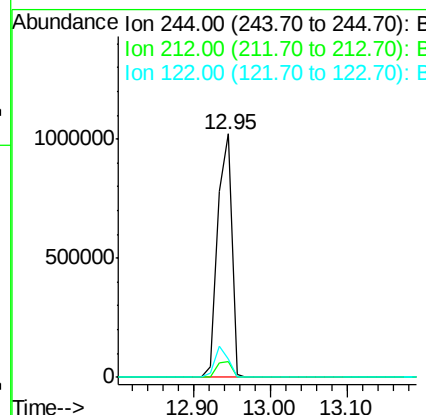
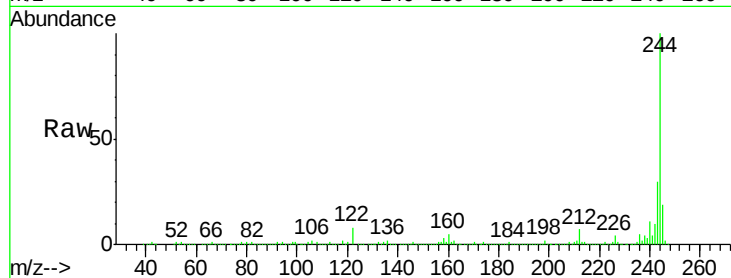




#78
 Terphenyl-d14
 Concen: 77.14 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF093096.D
 Acq: 23 Feb 2017 00:50

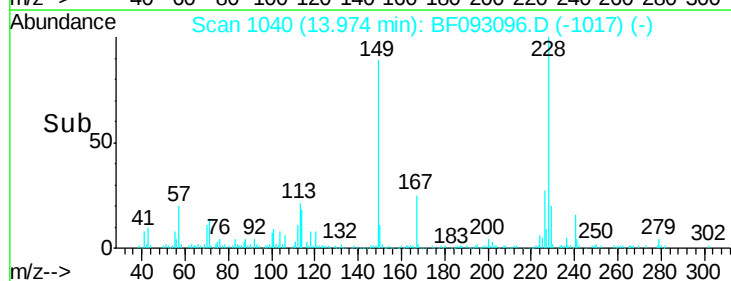
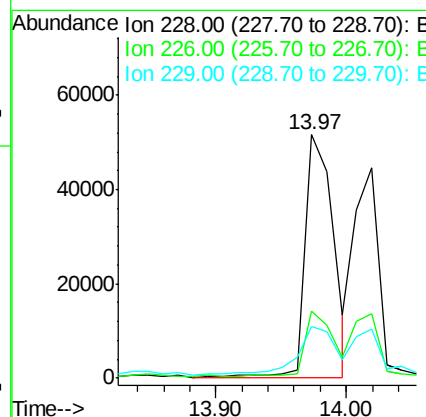
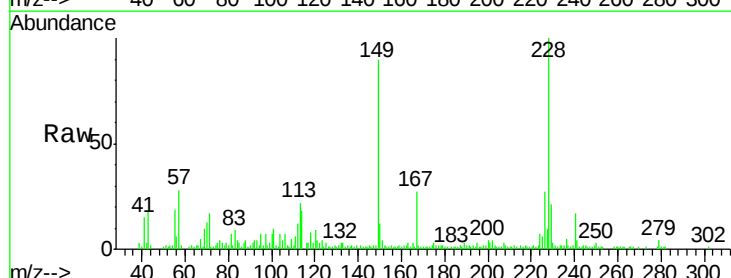
Instrument :
 BNA_F
 ClientSampleId :
 TP23-24-COMP17

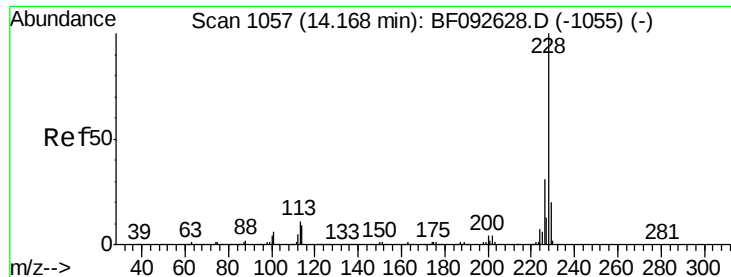
Tgt Ion:244 Resp: 1284428
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.2 9.2
 122 7.8 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 3.27 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.03 min
 Lab File: BF093096.D
 Acq: 23 Feb 2017 00:50

Tgt Ion:228 Resp: 78242
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.4 33.6
 229 21.2 16.2 24.4





#82

Chrysene

Concen: 3.49 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.07 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

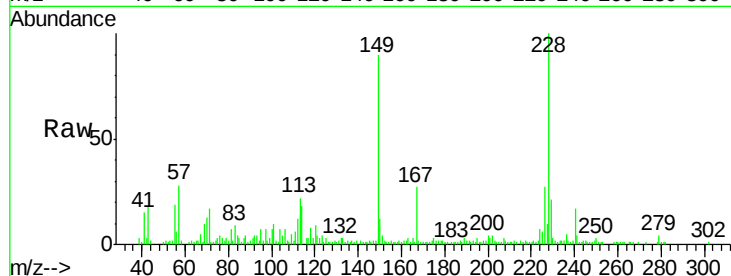
Tgt Ion:228 Resp: 78242

Ion Ratio Lower Upper

228 100

226 27.3 25.4 38.0

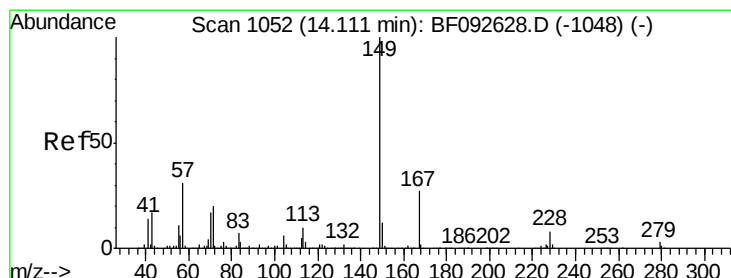
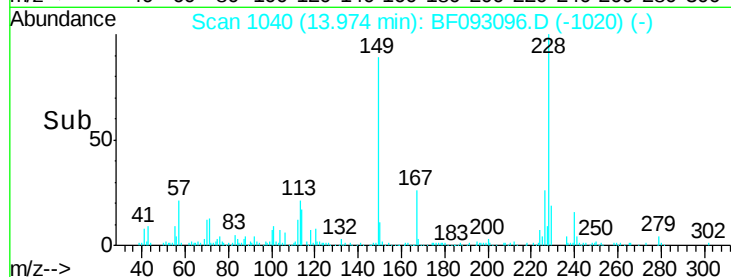
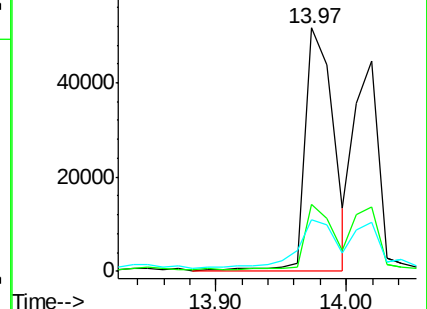
229 21.2 16.2 24.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.57 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

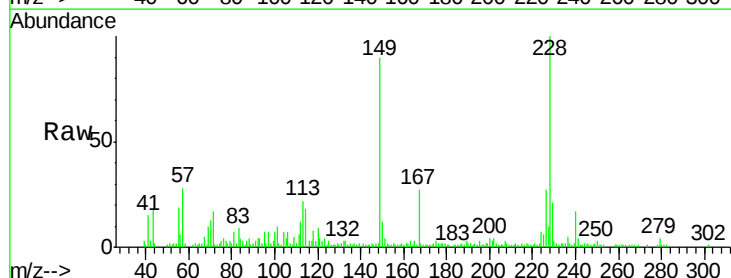
Tgt Ion:149 Resp: 58094

Ion Ratio Lower Upper

149 100

167 29.5 20.2 30.4

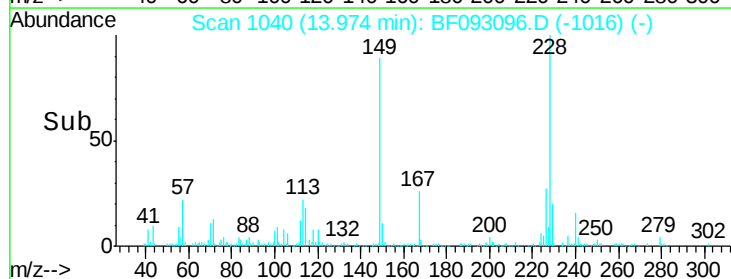
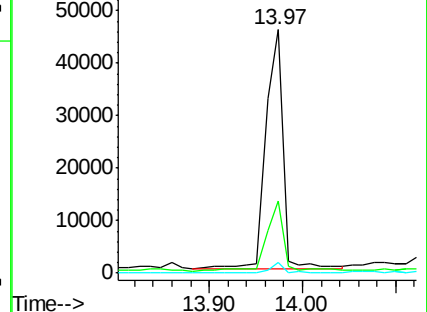
279 4.4 1.8 2.8#

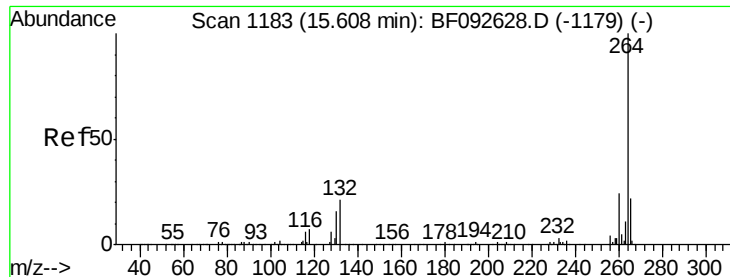


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

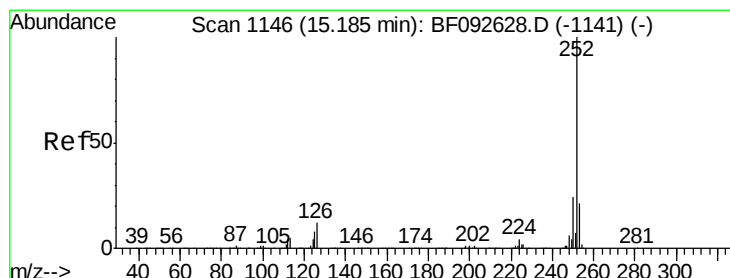
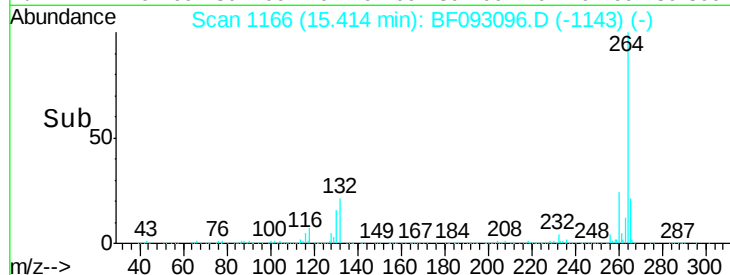
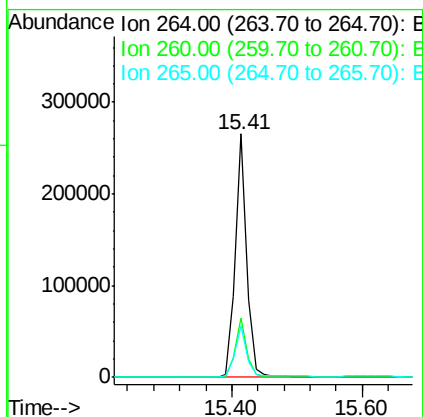
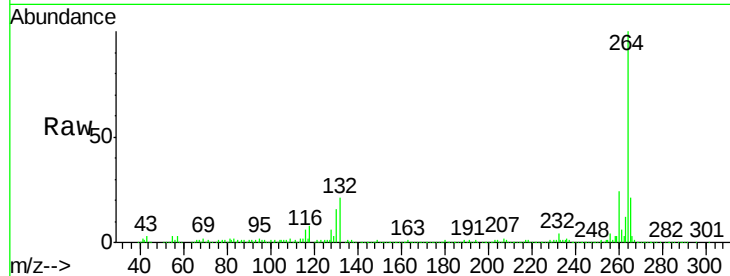




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

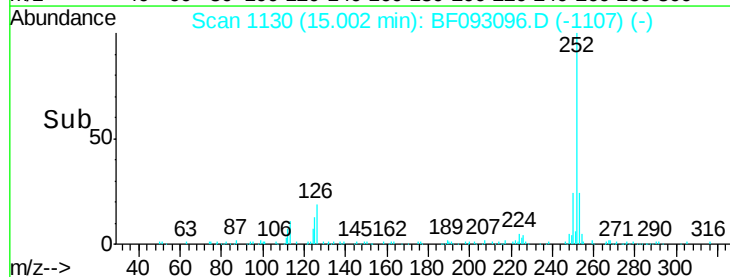
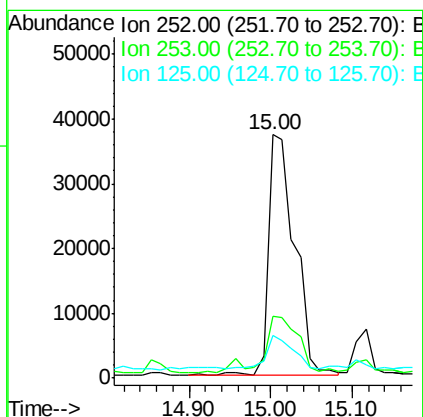
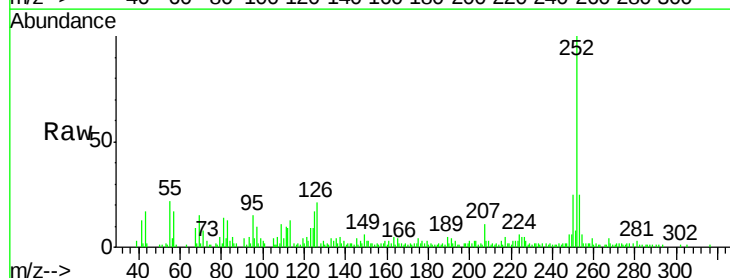
Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

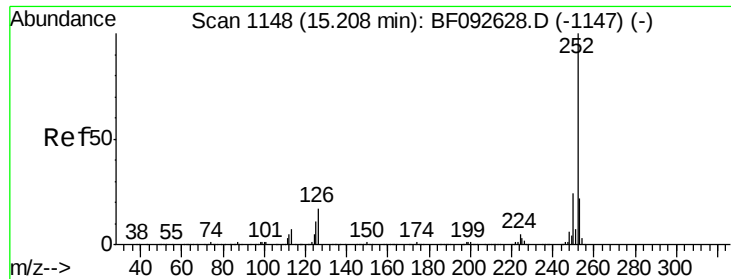
Tgt Ion: 264 Resp: 319213
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.3 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 4.00 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Tgt Ion: 252 Resp: 83978
Ion Ratio Lower Upper
252 100
253 25.3 18.2 27.4
125 17.3 9.8 14.6#

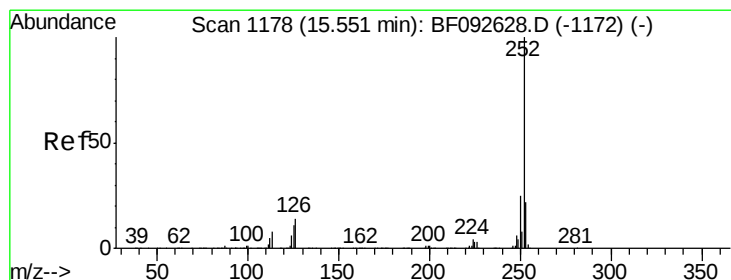
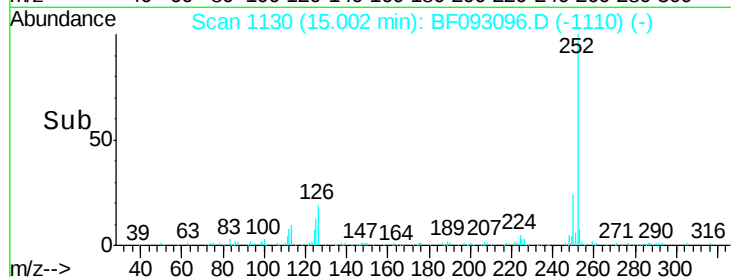
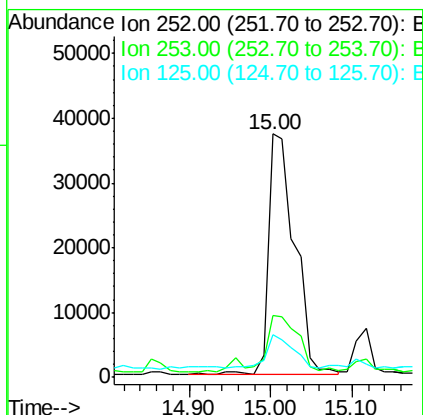
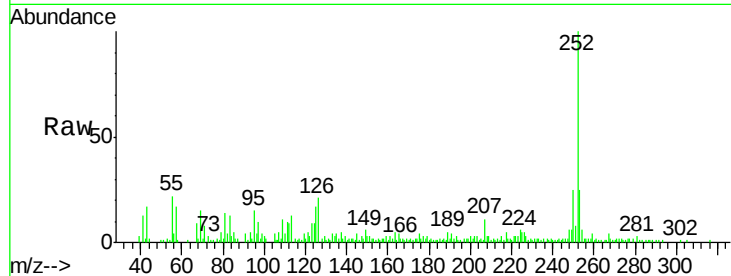




#88
Benzo(k)fluoranthene
Concen: 4.63 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

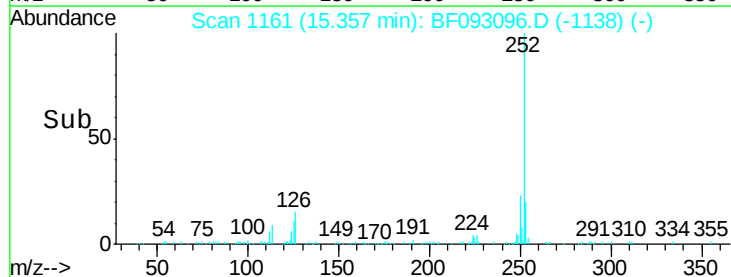
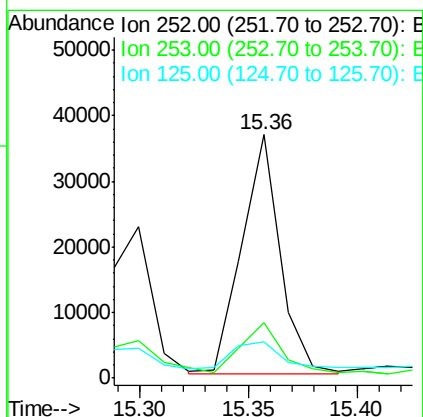
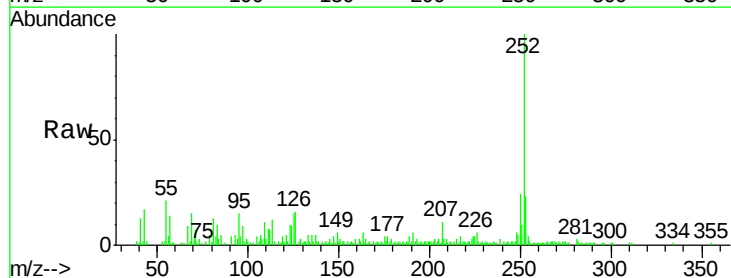
Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

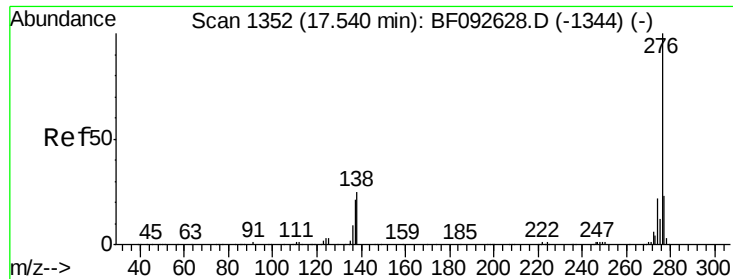
Tgt Ion:252 Resp: 83978
Ion Ratio Lower Upper
252 100
253 25.3 18.5 27.7
125 17.3 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 2.47 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Tgt Ion:252 Resp: 44903
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 14.7 10.0 15.0





#91
 Benzo(g,h,i)perylene
 Concen: 2.06 ng
 RT: 17.22 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: BF093096.D
 Acq: 23 Feb 2017 00:50

Instrument :
 BNA_F
 ClientSampleId :
 TP23-24-COMP17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.8	19.2	28.8#
138	28.7	16.0	24.0#

