

Data File : BF093023.D
Acq On : 17 Feb 2017 21:04
Operator : SJ/MA
Sample : I1892-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP22-COMP16

Quant Time: Feb 17 22:17:55 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	6.85	152	164321	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	654731	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	299505	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	536823	20.00	ng	0.00
75) Chrysene-d12	14.01	240	331493	20.00	ng	-0.01
86) Perylene-d12	15.44	264	313409	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1173918	122.57	ng	0.01
7) Phenol-d6	6.50	99	1351954	109.70	ng	0.01
23) Nitrobenzene-d5	7.42	82	809554	68.86	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	263768	121.77	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1368092	82.75	ng	0.00
78) Terphenyl-d14	12.97	244	1164448	82.54	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.51	94	144292	10.01	ng	# 69
19) n-Nitroso-di-n-propylamine	7.42	70	109023	13.90	ng	# 82
25) Isophorone	7.42	82	663847	30.30	ng	# 65
32) Benzoic acid	7.94	122	212	7.20	ng	# 1
49) Dimethylphthalate	9.61	163	141638	7.02	ng	# 98
56) 2,4-Dinitrotoluene	9.89	165	39478	6.81	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	448	2.80	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	18541	3.31	ng	# 1
70) Phenanthrene	11.40	178	151614	4.93	ng	95
74) Fluoranthene	12.59	202	164768	5.19	ng	92
77) Pyrene	12.82	202	157871	6.36	ng	97
80) Benzo(a)anthracene	14.00	228	100171	4.94	ng	99
82) Chrysene	14.03	228	71117	3.75	ng	96
85) Indeno(1,2,3-cd)pyrene	16.84	276	70604	4.80	ng	99
87) Benzo(b)fluoranthene	15.03	252	159275	7.72	ng	# 94
88) Benzo(k)fluoranthene	15.03	252	159275	8.94	ng	# 93
89) Benzo(a)pyrene	15.38	252	110290	6.18	ng	98
91) Benzo(g,h,i)perylene	17.27	276	72324	4.96	ng	# 90

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

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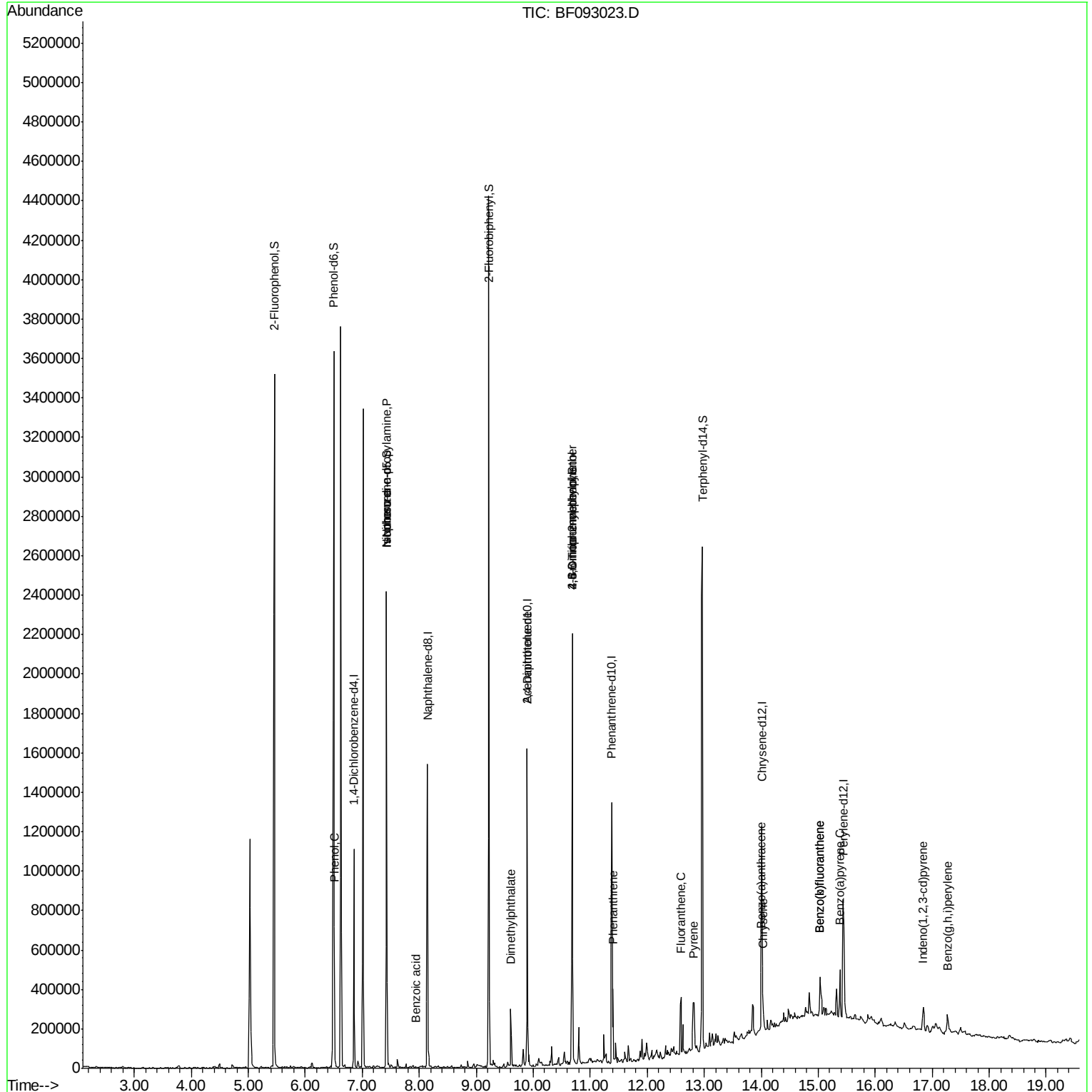
Quant Time: Feb 17 22:17:55 2017

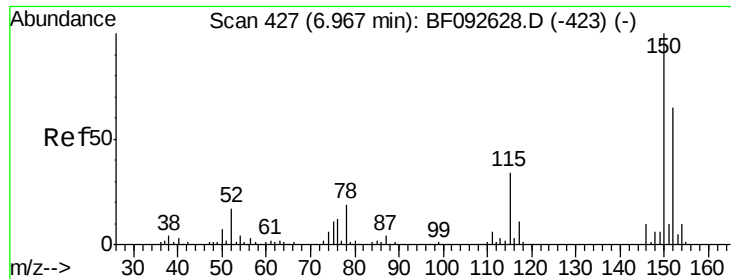
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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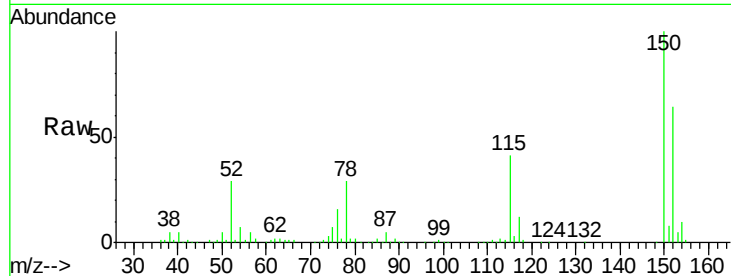




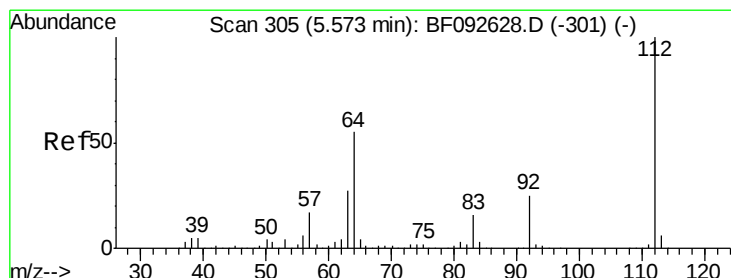
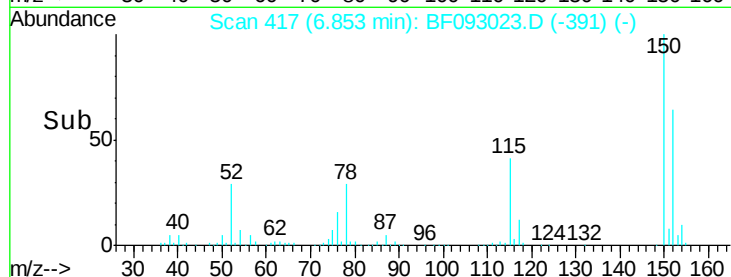
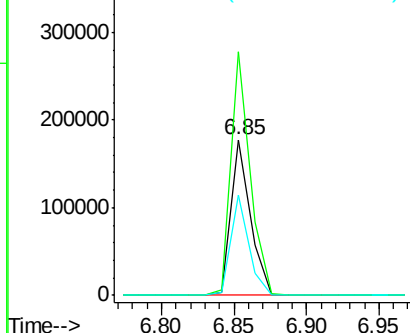
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: BF093023.D
 Acq: 17 Feb 2017 21:04

Instrument :
 BNA_F
 ClientSampleId :
 TP22-COMP16

Tgt Ion:152 Resp: 164321
 Ion Ratio Lower Upper
 152 100
 150 156.8 124.9 187.3
 115 64.8 46.0 69.0

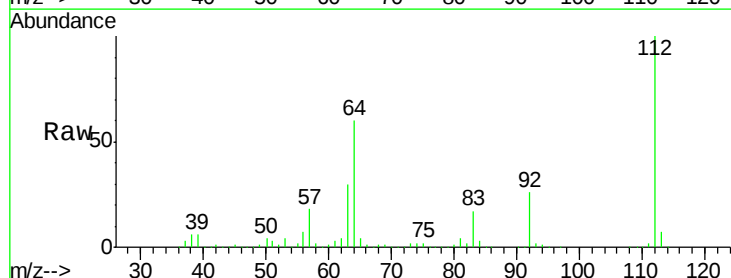


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

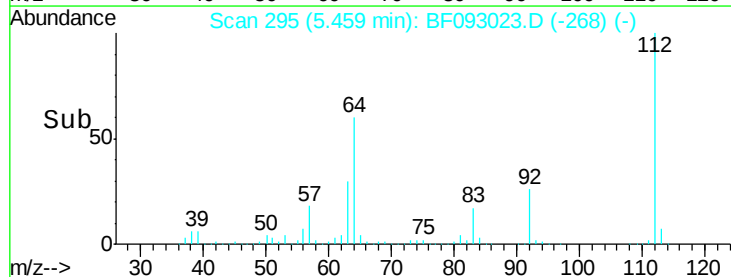
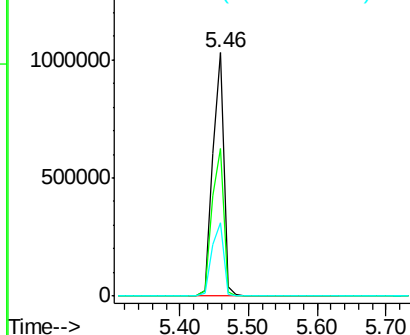


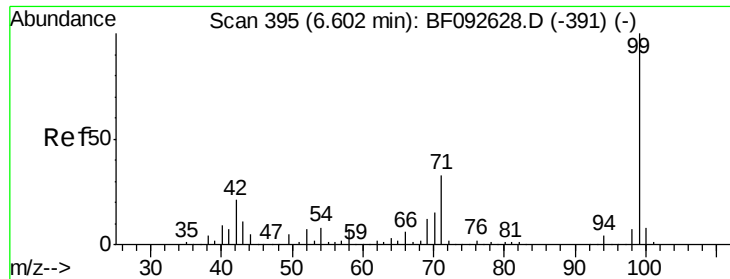
#5
 2-Fluorophenol
 Concen: 122.57 ng
 RT: 5.46 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: BF093023.D
 Acq: 17 Feb 2017 21:04

Tgt Ion:112 Resp: 1173918
 Ion Ratio Lower Upper
 112 100
 64 60.5 46.1 69.1
 63 30.2 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: 109.70 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF093023.D

Acq: 17 Feb 2017 21:04

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

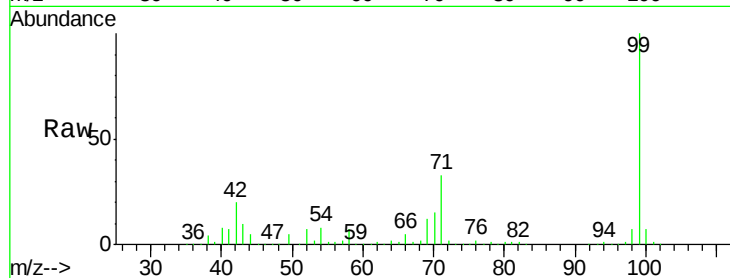
Tgt Ion: 99 Resp: 1351954

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

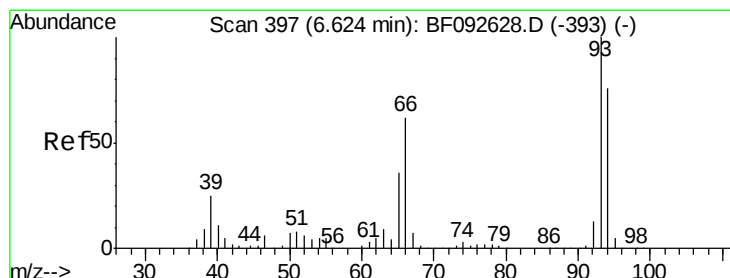
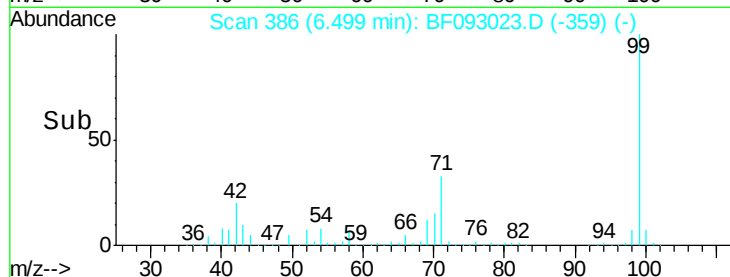
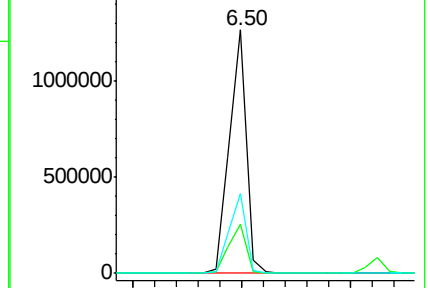
71 32.6 27.5 41.3



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: 10.01 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF093023.D

Acq: 17 Feb 2017 21:04

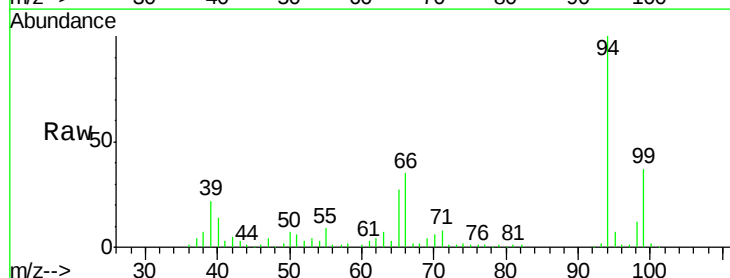
Tgt Ion: 94 Resp: 144292

Ion Ratio Lower Upper

94 100

65 27.0 21.4 61.4

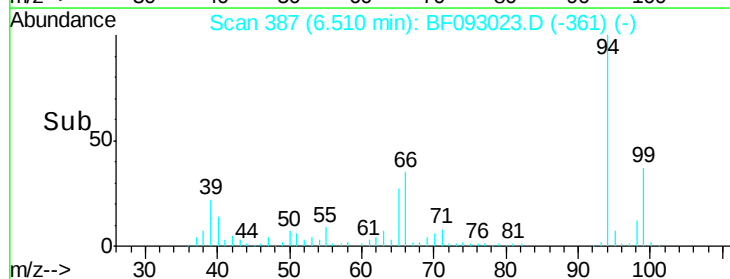
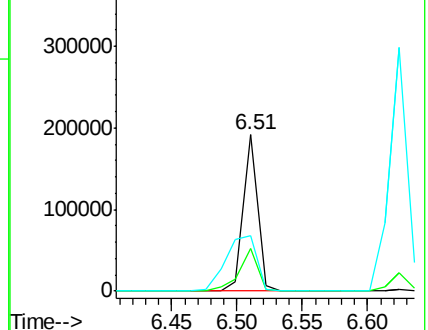
66 35.3 44.0 84.0#

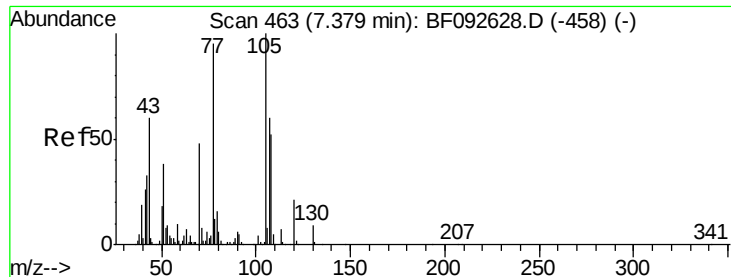


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

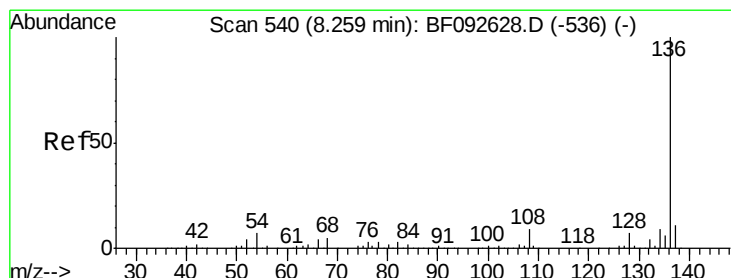
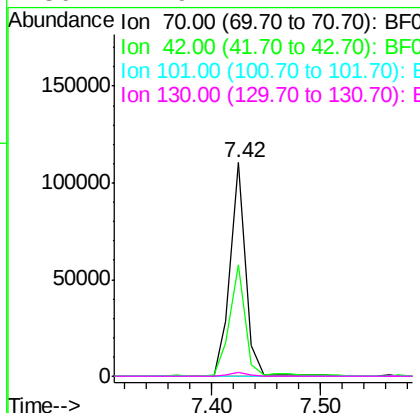
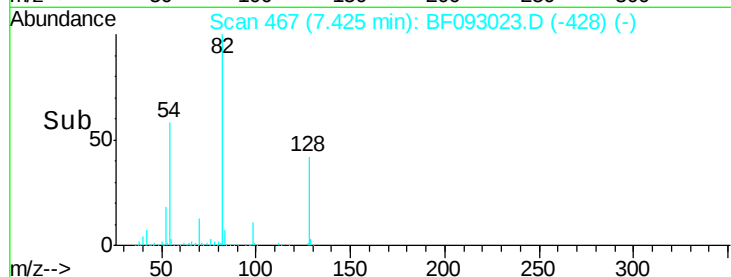
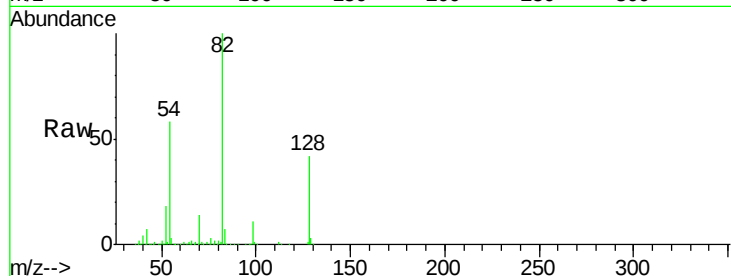




#19
n-Nitroso-di-n-propylamine
Concen: 13.90 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.15 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

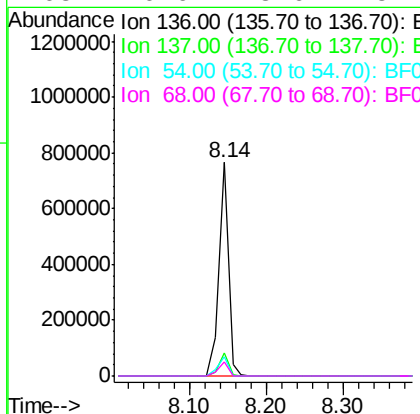
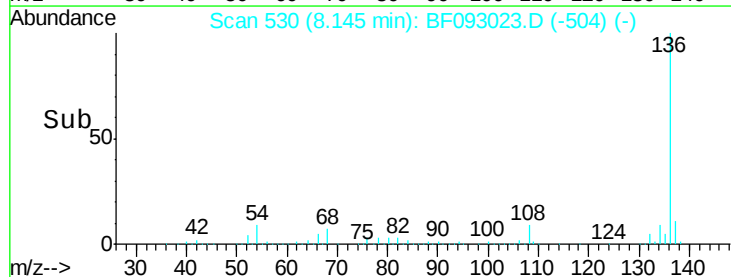
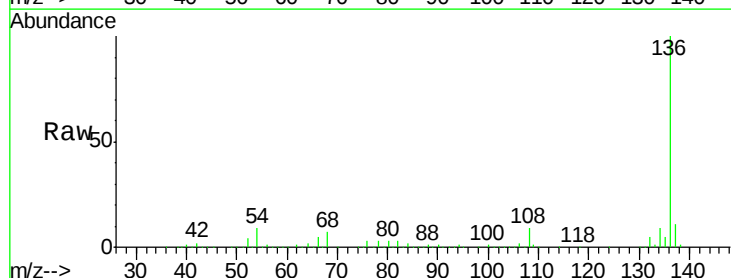
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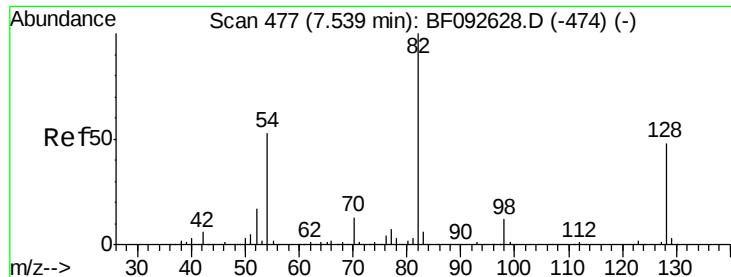
Tgt Ion: 70 Resp: 109023
Ion Ratio Lower Upper
70 100
42 52.3 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

Tgt Ion: 136 Resp: 654731
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 9.3 4.5 6.7#
68 6.6 3.6 5.4#

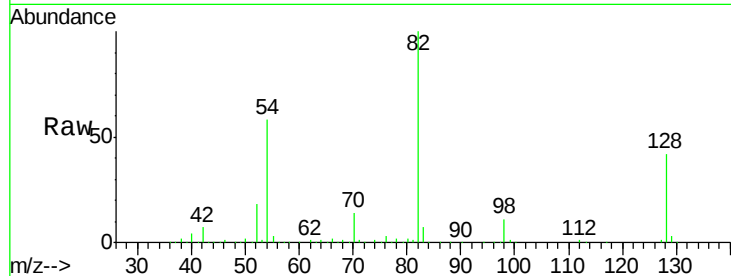




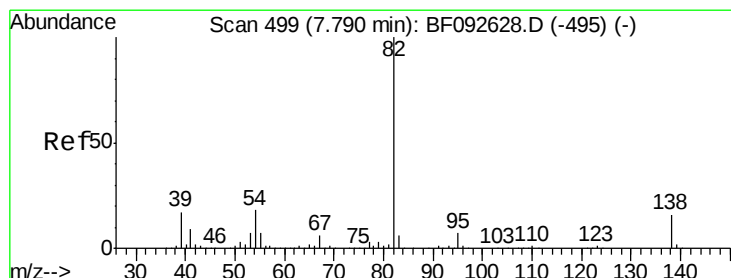
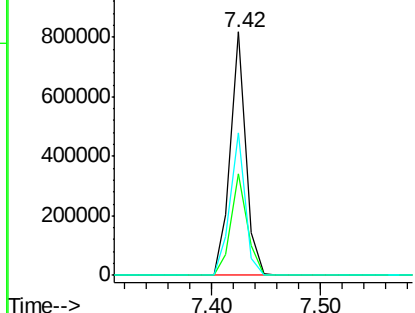
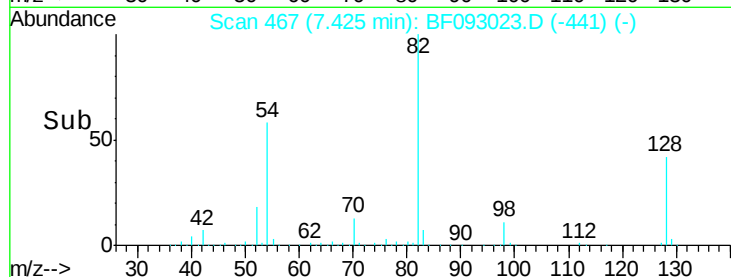
#23
Nitrobenzene-d5
Concen: 68.86 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

Instrument :
BNA_F
ClientSampleId :
TP22-COMP16

Tgt Ion: 82 Resp: 809554
Ion Ratio Lower Upper
82 100
128 41.6 34.6 52.0
54 58.3 39.5 59.3

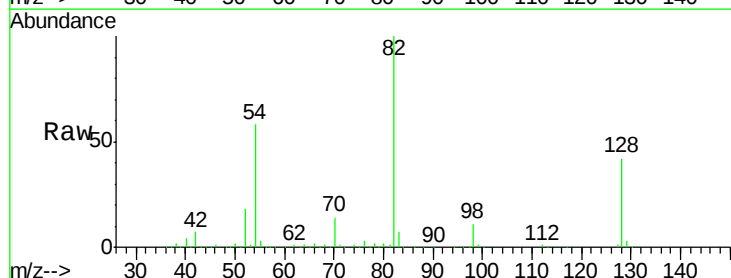


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

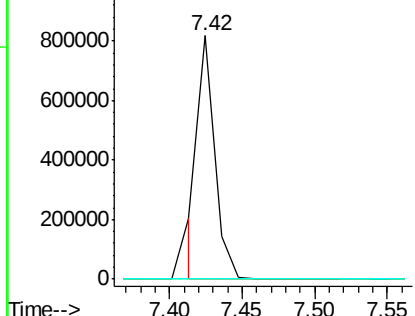
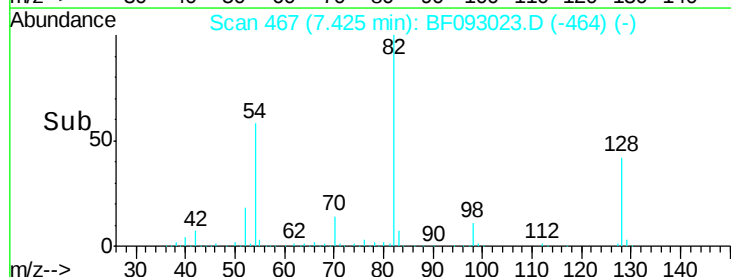


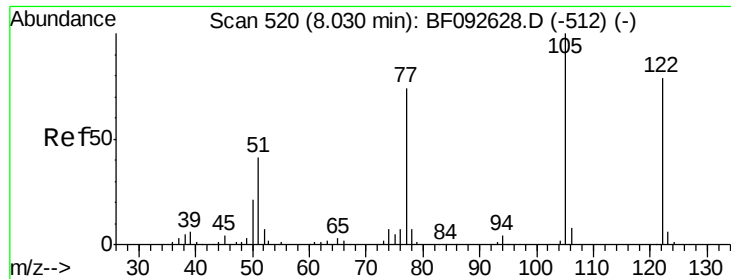
#25
Isophorone
Concen: 30.30 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.26 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

Tgt Ion: 82 Resp: 663847
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

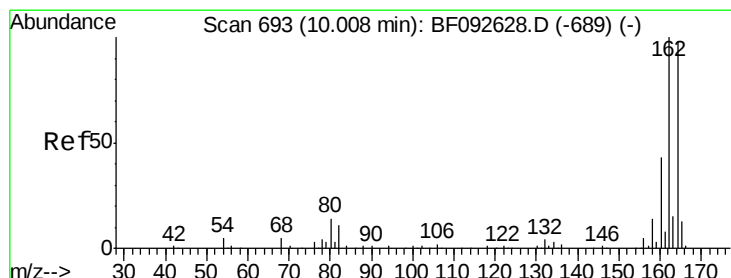
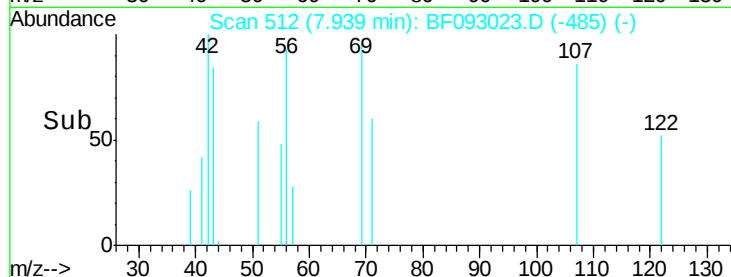
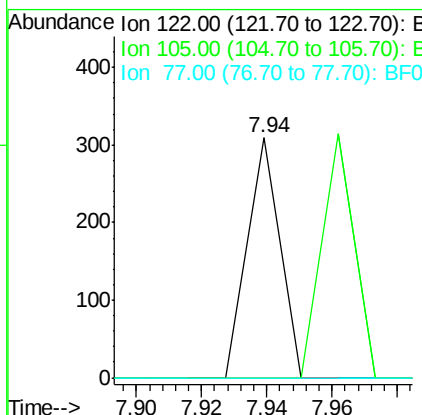
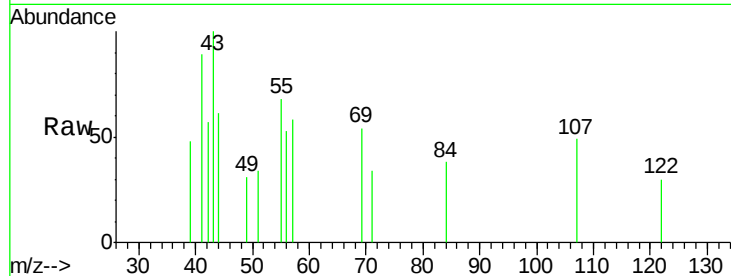




#32
Benzoic acid
Concen: 7.20 ng
RT: 7.94 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

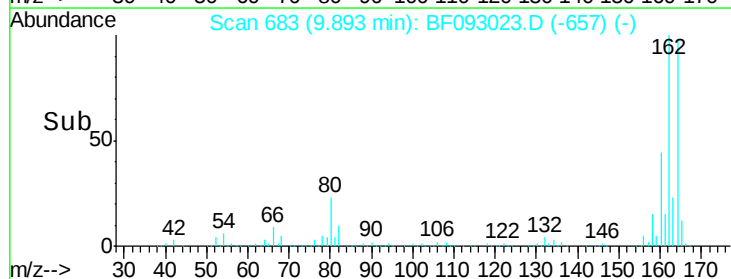
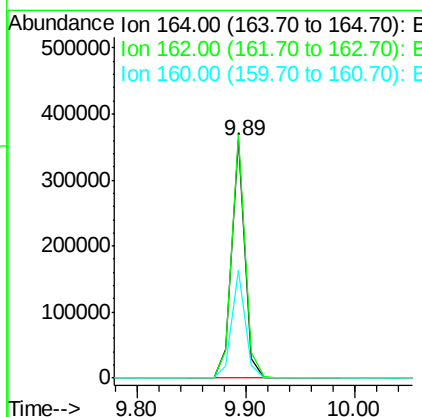
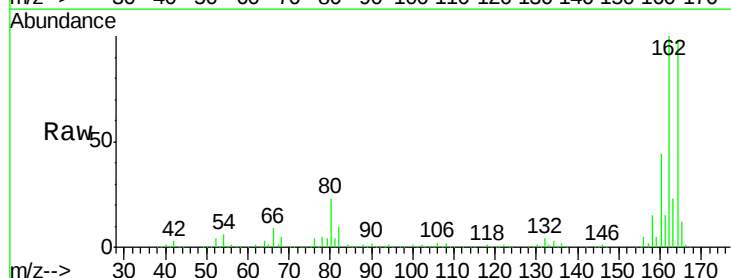
Instrument :
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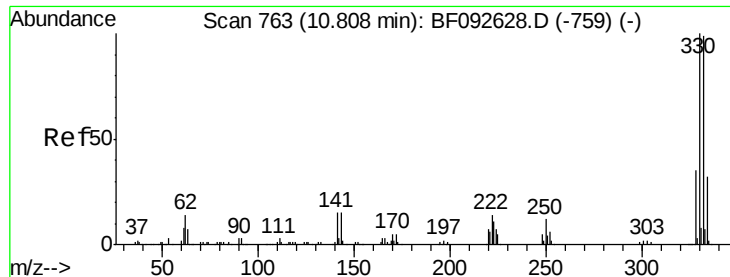
Tgt Ion:122 Resp: 212
Ion Ratio Lower Upper
122 100
105 0.0 107.2 147.2#
77 0.0 74.5 114.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

Tgt Ion:164 Resp: 299505
Ion Ratio Lower Upper
164 100
162 102.3 80.2 120.2
160 45.2 36.9 55.3

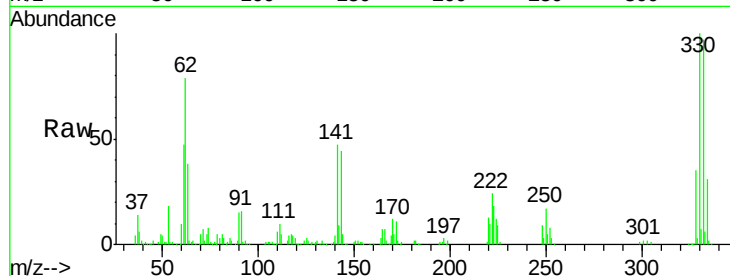




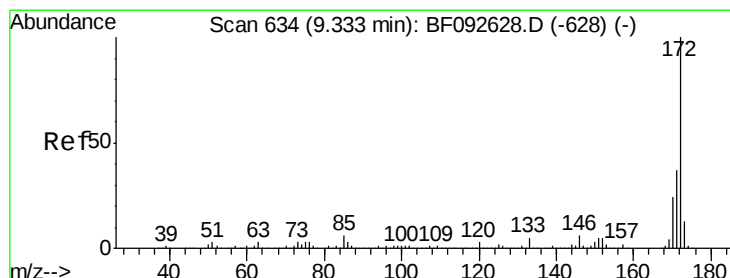
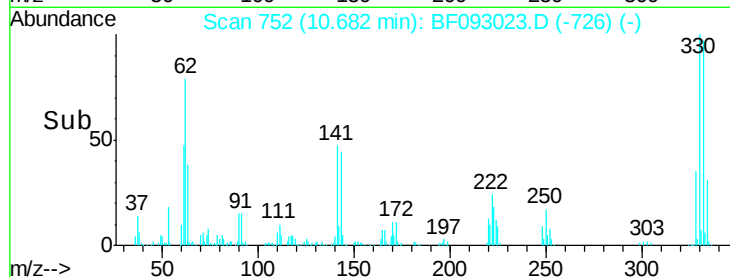
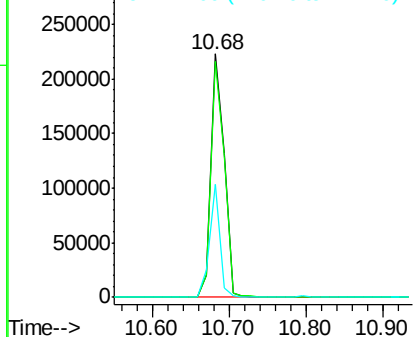
#41
 2,4,6-Tribromophenol
 Concen: 121.77 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF093023.D
 Acq: 17 Feb 2017 21:04

Instrument :
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 TP22-COMP16

Tgt Ion:330 Resp: 263768
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.4 116.2
 141 37.1 34.1 51.1

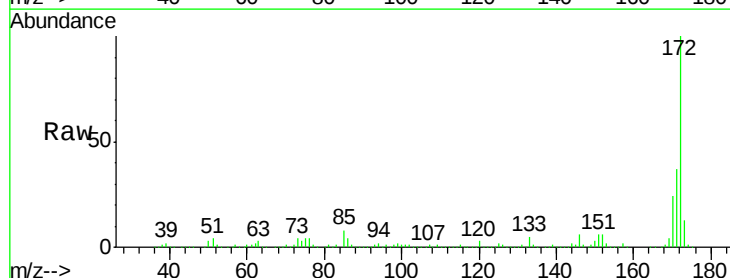


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

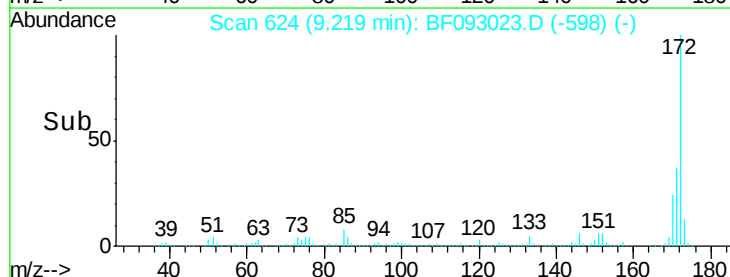
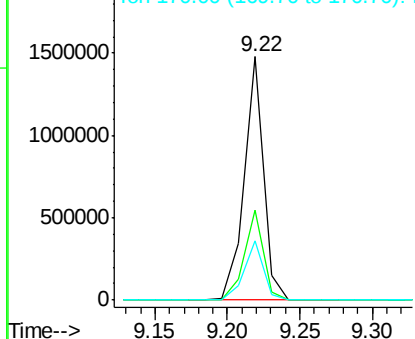


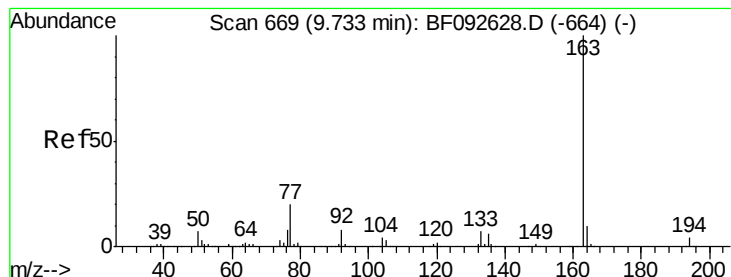
#44
 2-Fluorobiphenyl
 Concen: 82.75 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF093023.D
 Acq: 17 Feb 2017 21:04

Tgt Ion:172 Resp: 1368092
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.0
 170 24.3 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: 7.02 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF093023.D

Acq: 17 Feb 2017 21:04

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

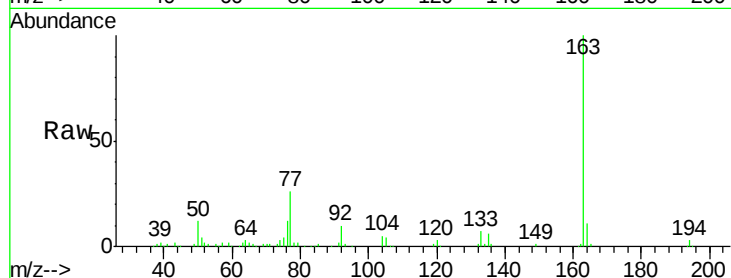
Tgt Ion:163 Resp: 141638

Ion Ratio Lower Upper

163 100

194 2.6 3.0 4.4#

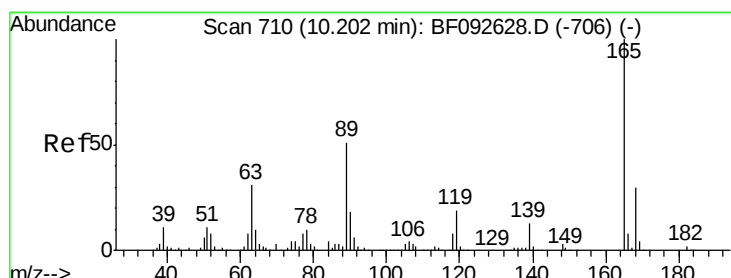
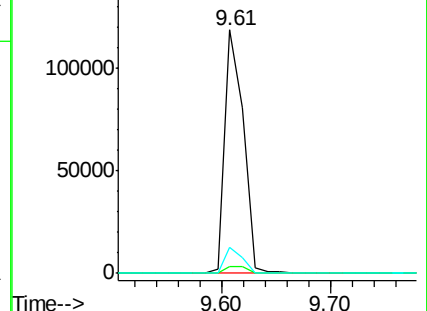
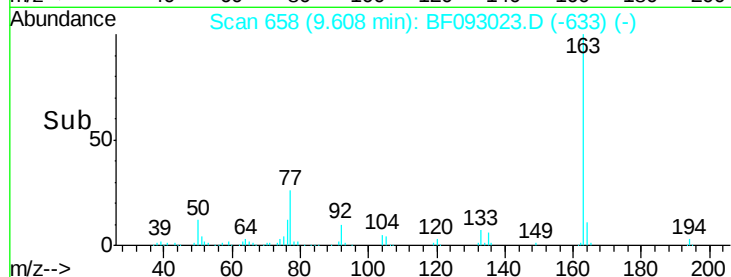
164 10.5 8.0 12.0



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: 6.81 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.19 min

Lab File: BF093023.D

Acq: 17 Feb 2017 21:04

Tgt Ion:165 Resp: 39478

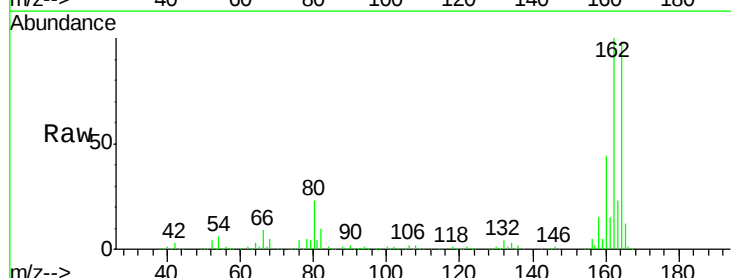
Ion Ratio Lower Upper

165 100

63 1.4 40.2 60.4#

89 1.4 62.5 93.7#

182 0.0 1.8 2.8#

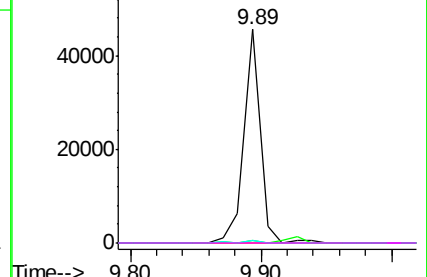
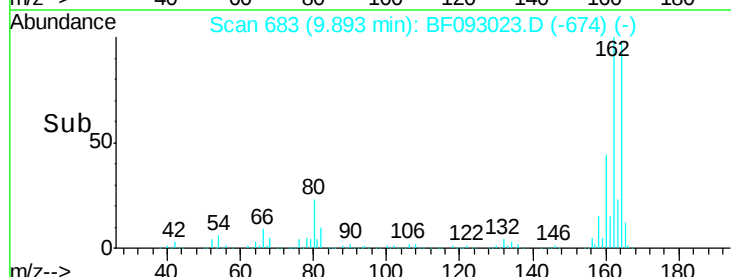


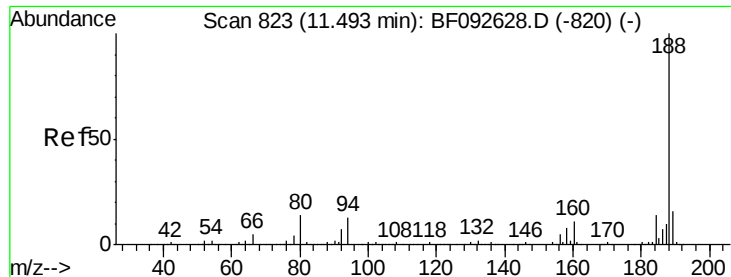
Abundance Ion 165.00 (164.70 to 165.70): E

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

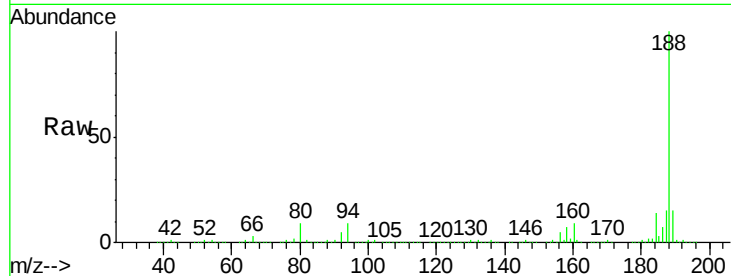




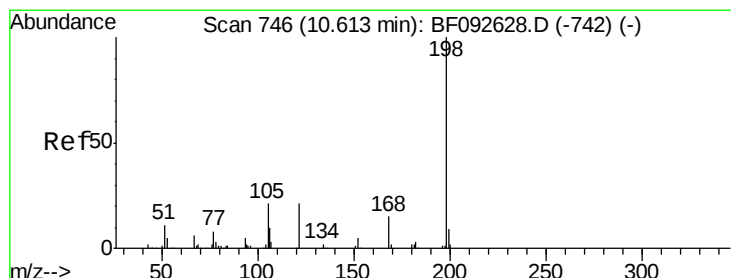
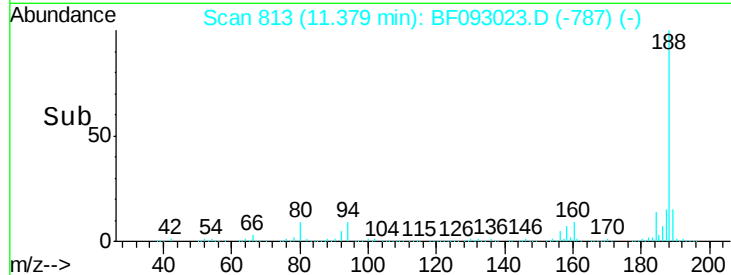
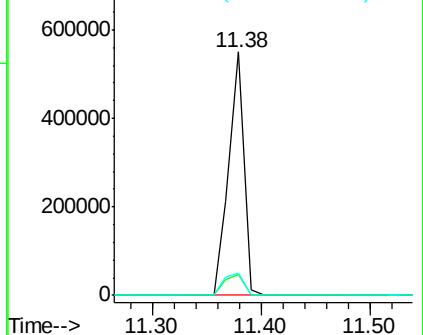
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF093023.D
 Acq: 17 Feb 2017 21:04

Instrument :
 BNA_F
 ClientSampleId :
 TP22-COMP16

Tgt Ion:188 Resp: 536823
 Ion Ratio Lower Upper
 188 100
 94 8.8 10.0 15.0#
 80 8.9 11.2 16.8#

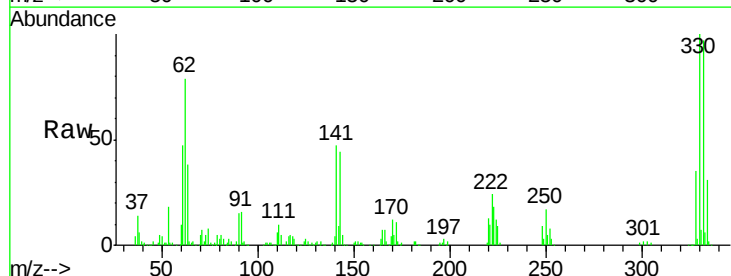


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

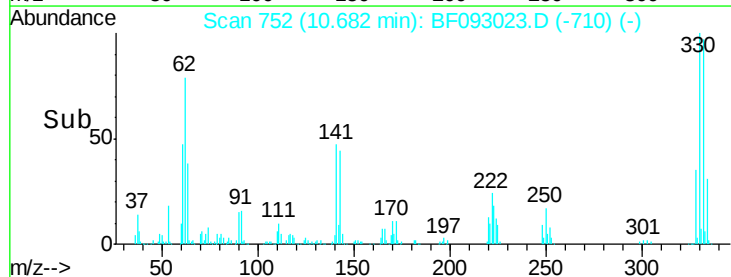
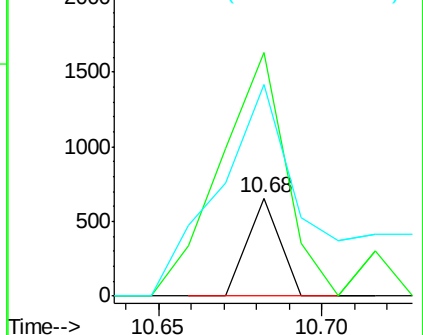


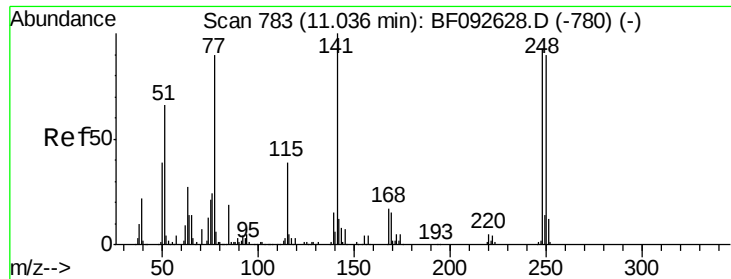
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.80 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.18 min
 Lab File: BF093023.D
 Acq: 17 Feb 2017 21:04

Tgt Ion:198 Resp: 448
 Ion Ratio Lower Upper
 198 100
 51 249.2 6.7 46.7#
 105 216.5 16.6 56.6#



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

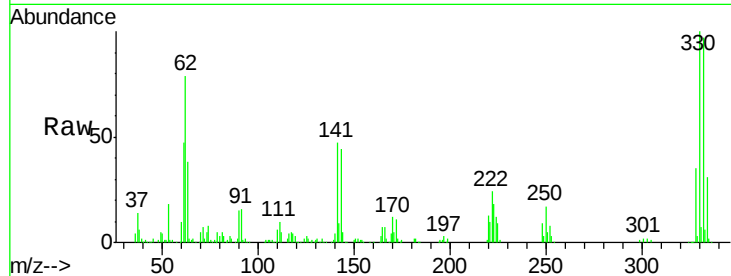




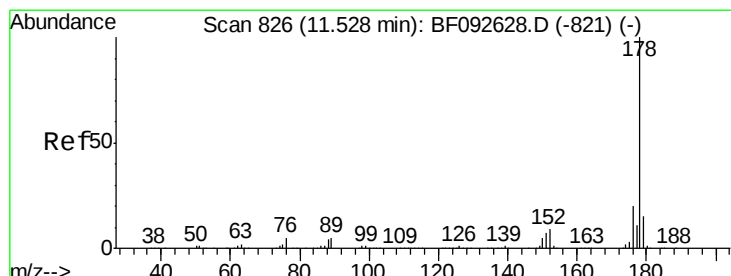
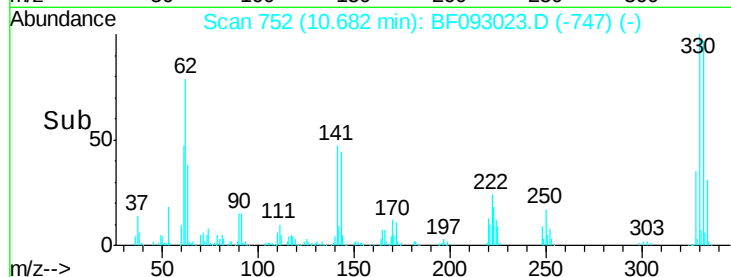
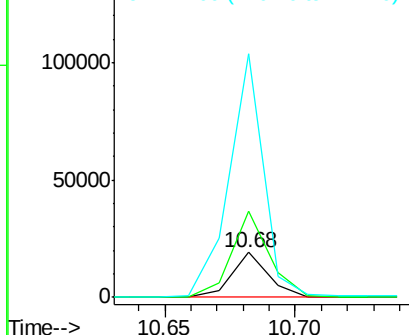
#66
4-Bromophenyl-phenylether
Concen: 3.31 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.24 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

Instrument :
BNA_F
ClientSampleId :
TP22-COMP16

Tgt Ion:248 Resp: 18541
Ion Ratio Lower Upper
248 100
250 193.6 76.9 115.3#
141 544.8 68.2 102.4#

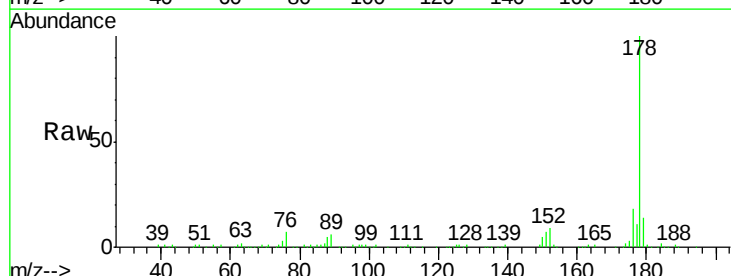


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

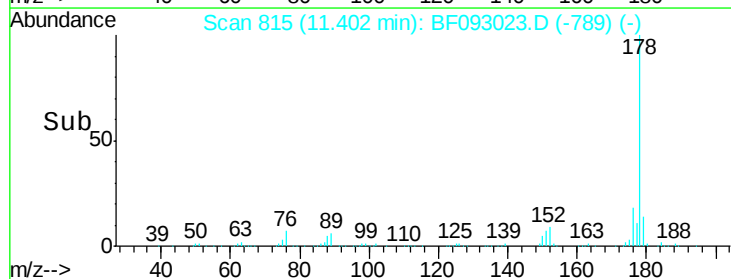
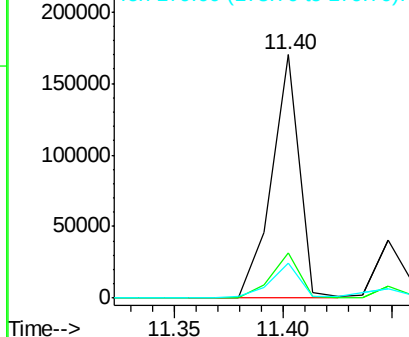


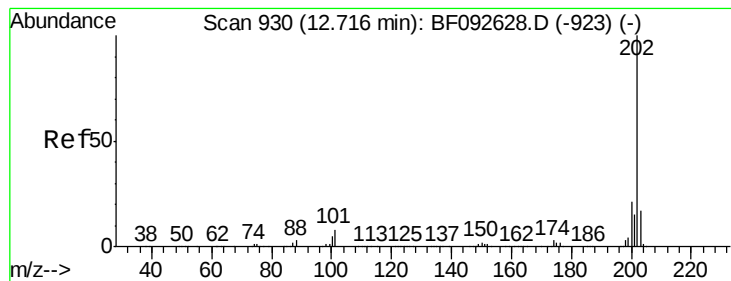
#70
Phenanthrene
Concen: 4.93 ng
RT: 11.40 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

Tgt Ion:178 Resp: 151614
Ion Ratio Lower Upper
178 100
176 18.4 16.6 25.0
179 14.5 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: 5.19 ng

RT: 12.59 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF093023.D

Acq: 17 Feb 2017 21:04

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

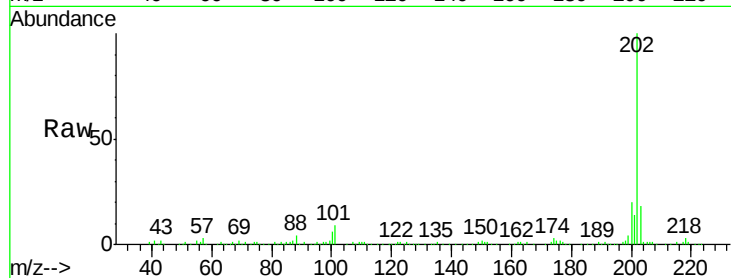
Tgt Ion:202 Resp: 164768

Ion Ratio Lower Upper

202 100

101 8.7 0.0 34.6

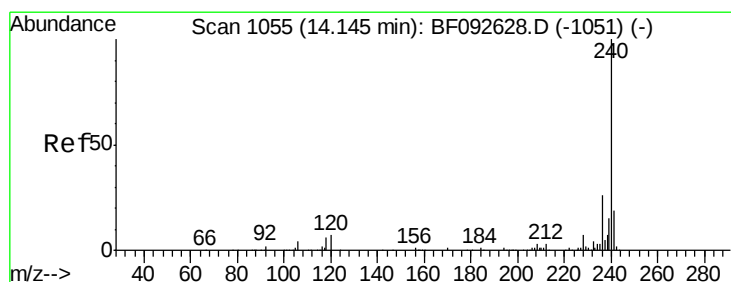
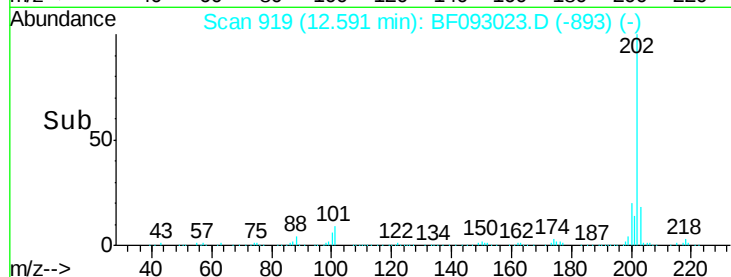
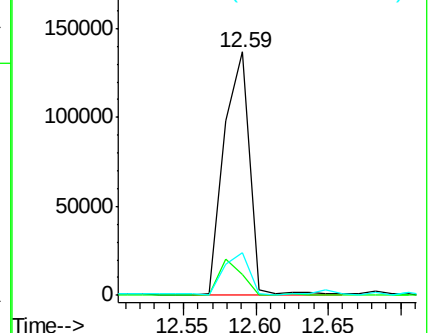
203 17.7 0.0 38.7



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: BF093023.D

Acq: 17 Feb 2017 21:04

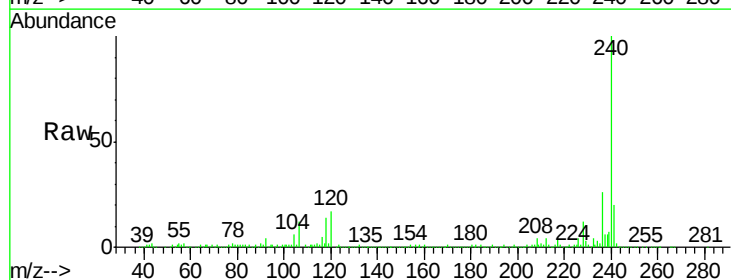
Tgt Ion:240 Resp: 331493

Ion Ratio Lower Upper

240 100

120 16.8 12.9 19.3

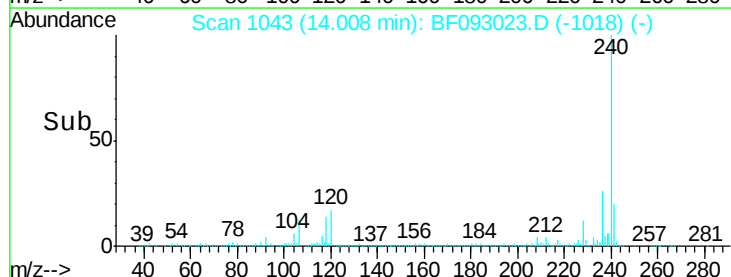
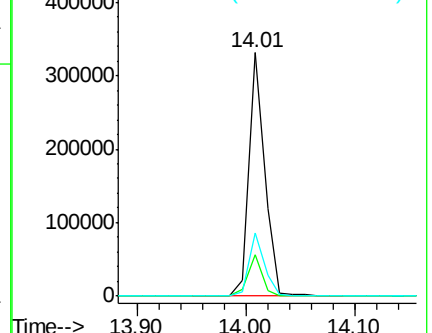
236 26.2 20.9 31.3

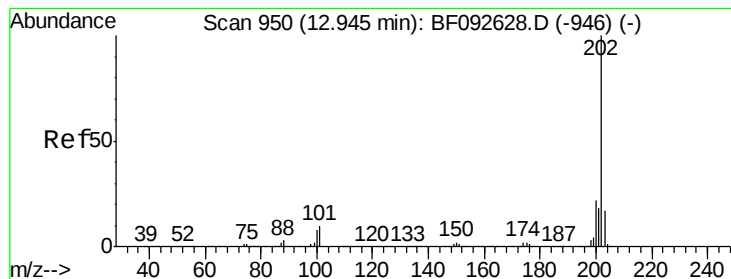


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.36 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF093023.D

Acq: 17 Feb 2017 21:04

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

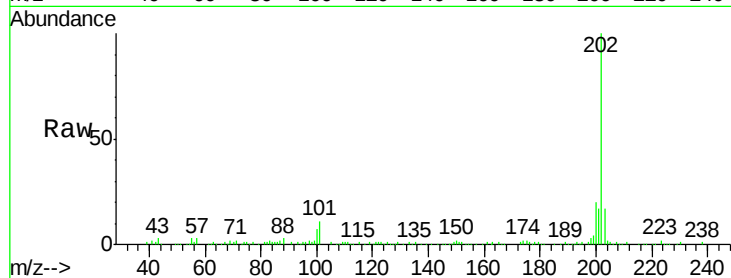
Tgt Ion:202 Resp: 157871

Ion Ratio Lower Upper

202 100

200 20.3 17.7 26.5

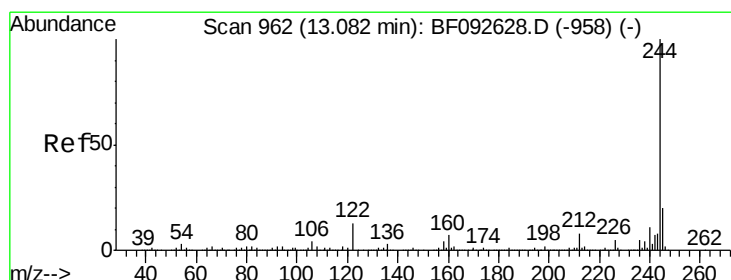
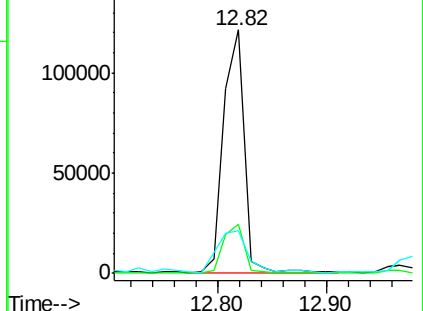
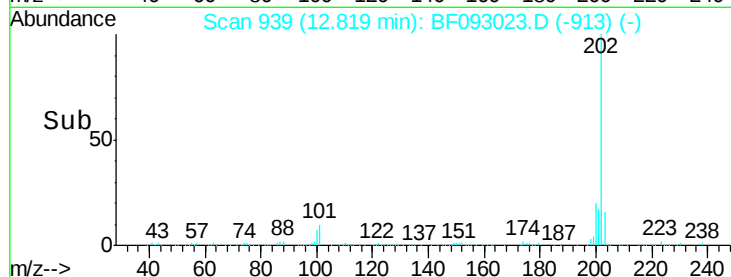
203 17.3 14.7 22.1



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: 82.54 ng

RT: 12.97 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF093023.D

Acq: 17 Feb 2017 21:04

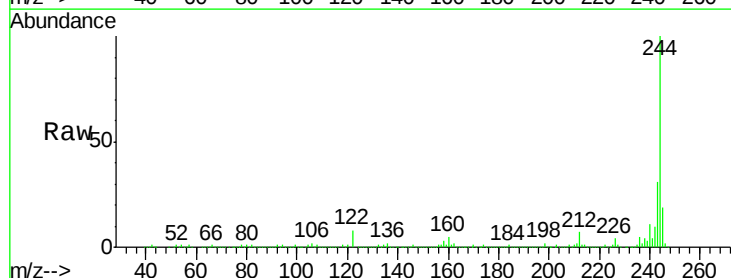
Tgt Ion:244 Resp: 1164448

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

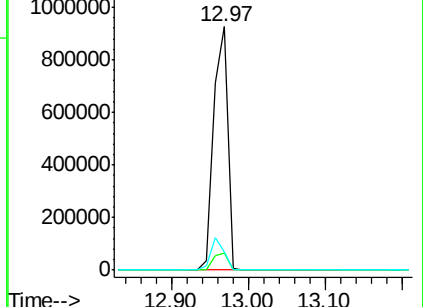
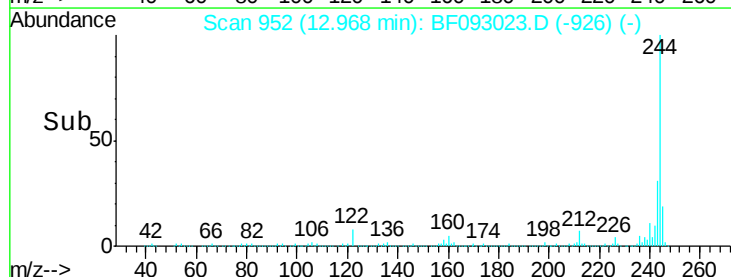
122 7.7 11.4 17.2#

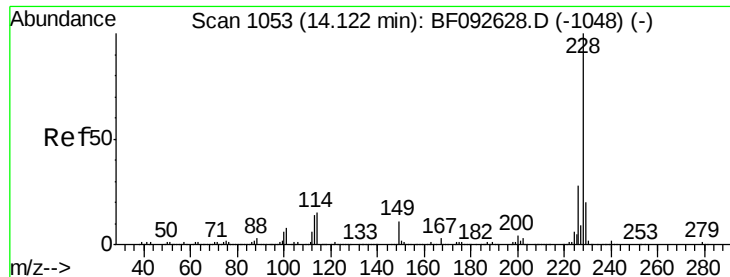


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.94 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF093023.D

Acq: 17 Feb 2017 21:04

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

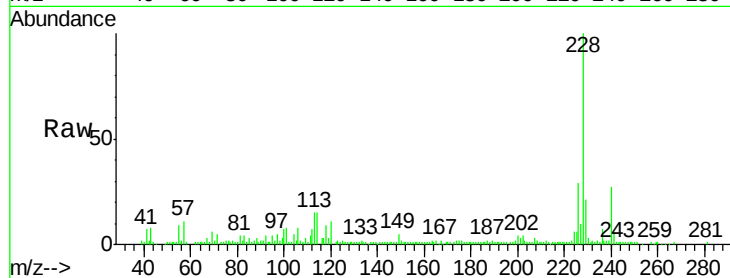
Tgt Ion:228 Resp: 100171

Ion Ratio Lower Upper

228 100

226 29.0 22.4 33.6

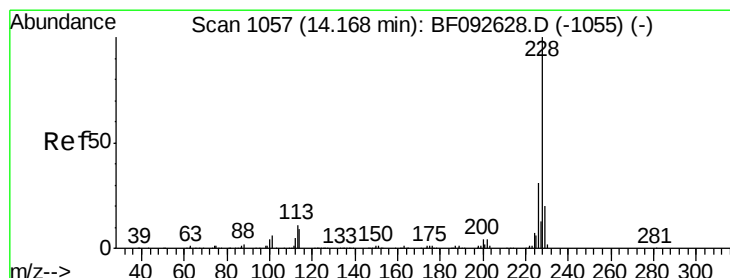
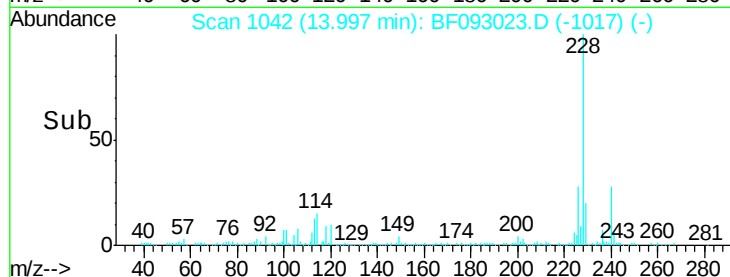
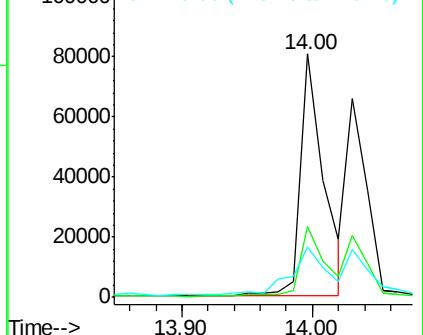
229 20.8 16.2 24.4



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: 3.75 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF093023.D

Acq: 17 Feb 2017 21:04

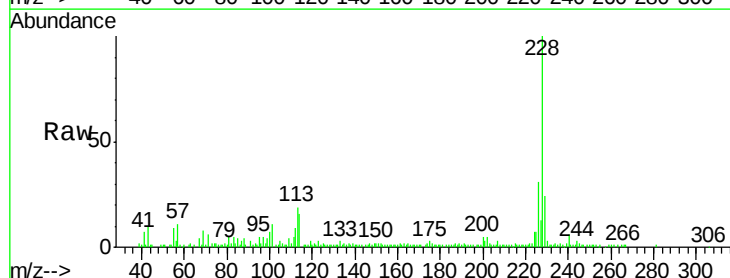
Tgt Ion:228 Resp: 71117

Ion Ratio Lower Upper

228 100

226 31.0 25.4 38.0

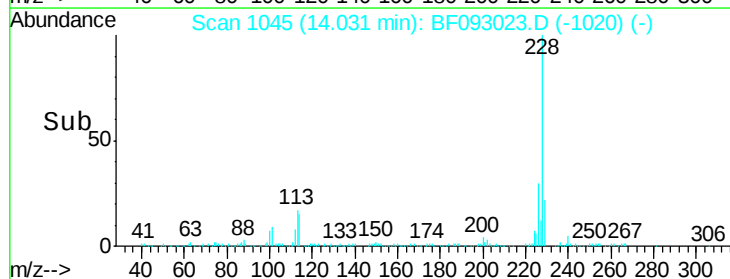
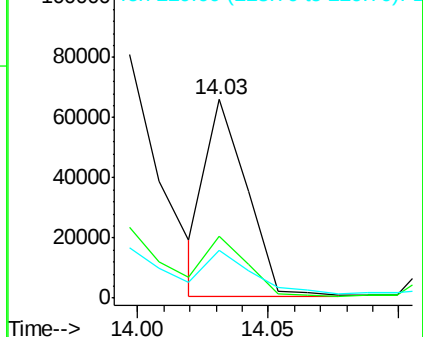
229 24.2 16.2 24.2

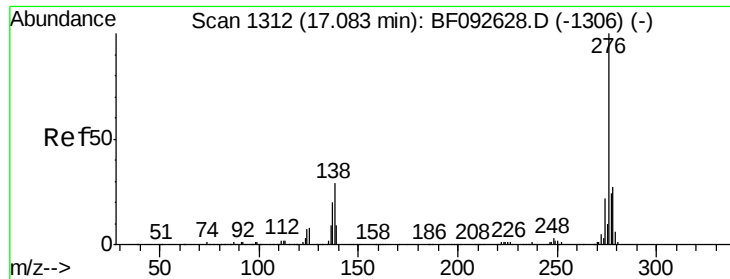


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

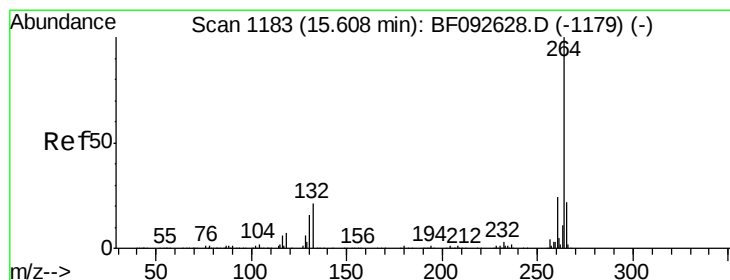
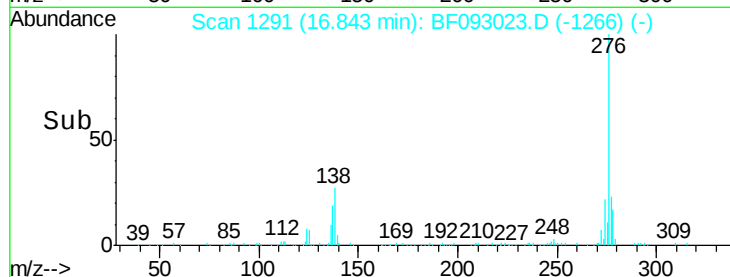
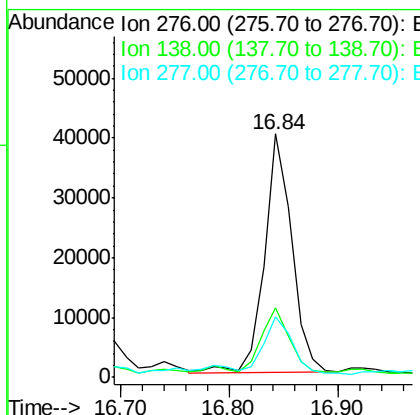
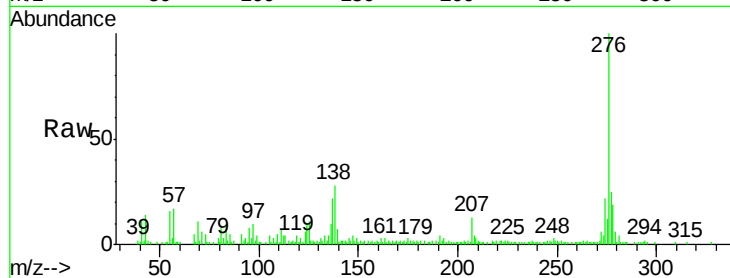




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.80 ng
 RT: 16.84 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BF093023.D
 Acq: 17 Feb 2017 21:04

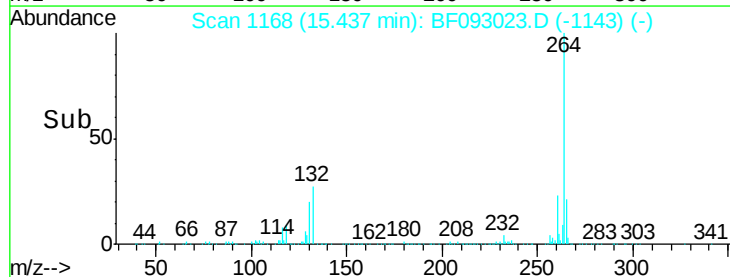
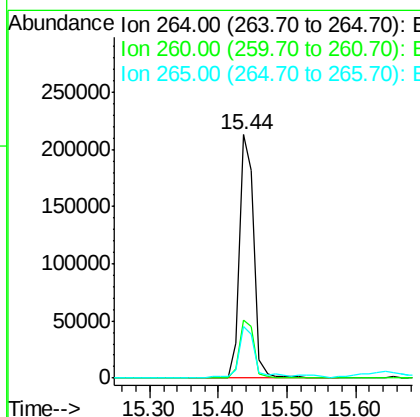
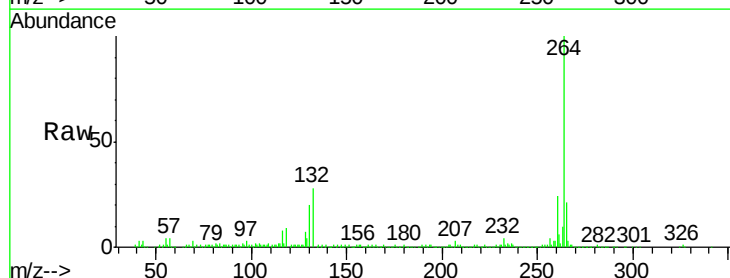
Instrument :
 BNA_F
 ClientSampleId :
 TP22-COMP16

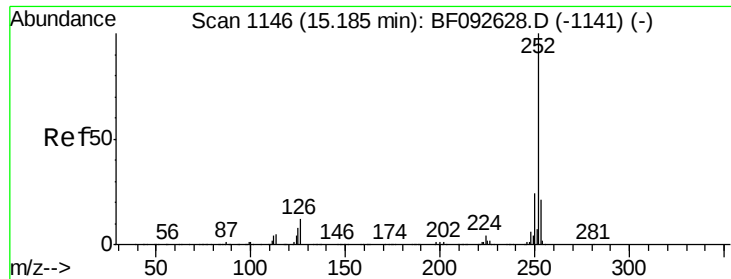
Tgt Ion: 276 Resp: 70604
 Ion Ratio Lower Upper
 276 100
 138 28.3 21.8 32.6
 277 24.9 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF093023.D
 Acq: 17 Feb 2017 21:04

Tgt Ion: 264 Resp: 313409
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.0 17.4 26.0

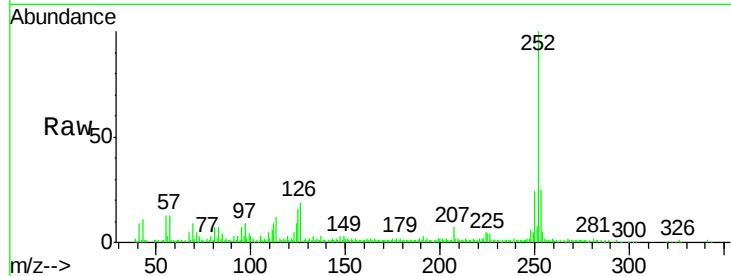




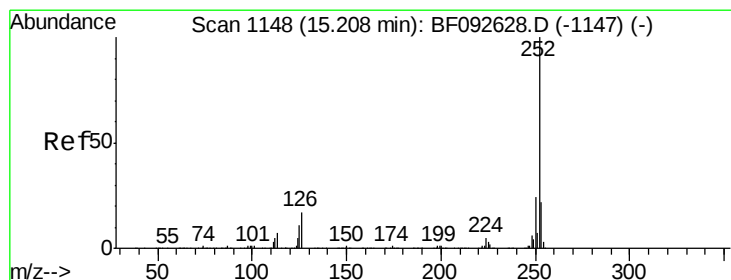
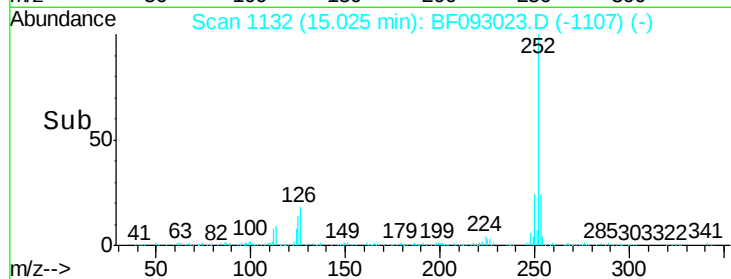
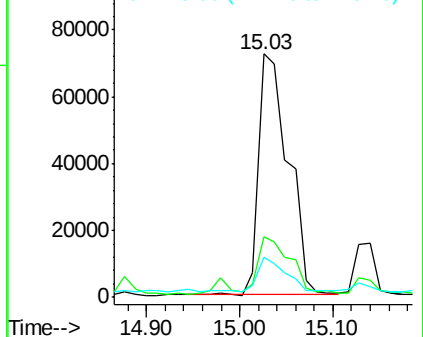
#87
Benzo(b)fluoranthene
Concen: 7.72 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

Instrument :
BNA_F
ClientSampleId :
TP22-COMP16

Tgt Ion:252 Resp: 159275
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.4
125 16.4 9.8 14.6#

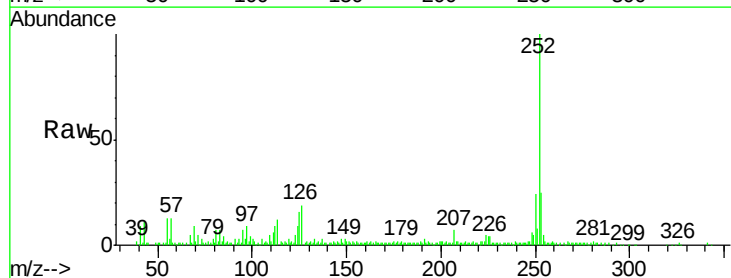


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

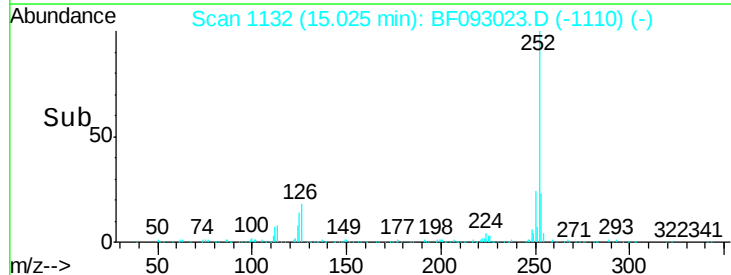
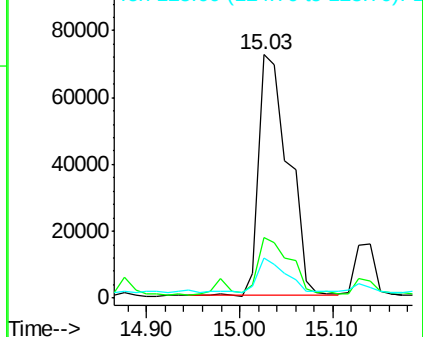


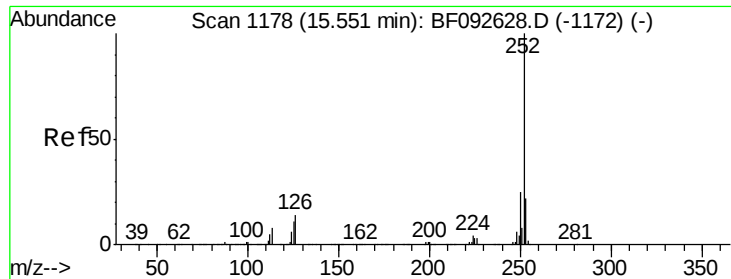
#88
Benzo(k)fluoranthene
Concen: 8.94 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

Tgt Ion:252 Resp: 159275
Ion Ratio Lower Upper
252 100
253 24.7 18.5 27.7
125 16.4 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

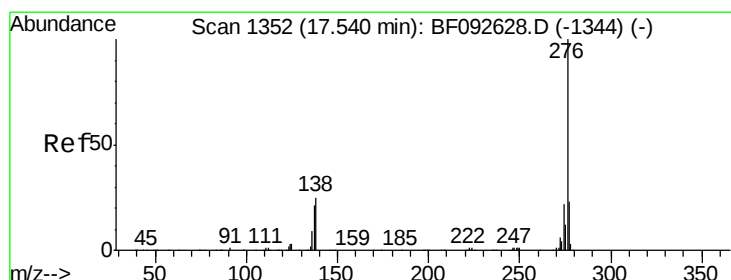
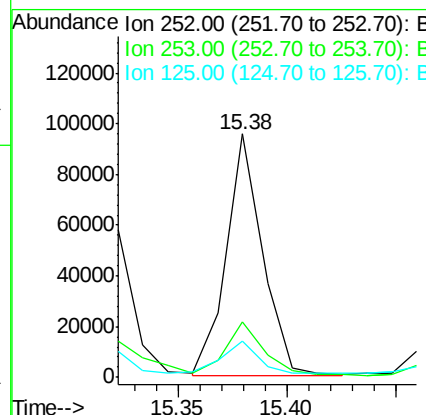
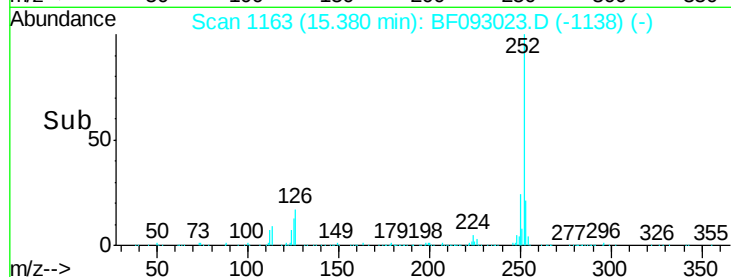
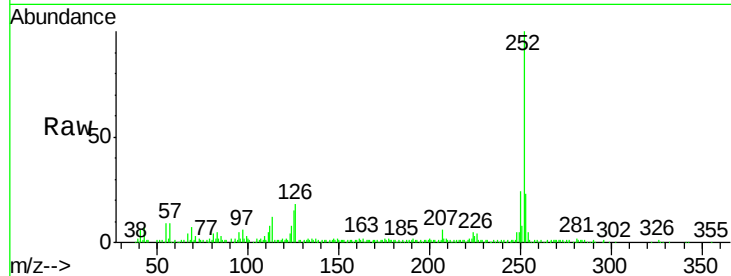




#89
Benzo(a)pyrene
Concen: 6.18 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

Instrument :
BNA_F
ClientSampleId :
TP22-COMP16

Tgt Ion:252 Resp: 110290
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 14.7 10.0 15.0



#91
Benzo(g,h,i)perylene
Concen: 4.96 ng
RT: 17.27 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF093023.D
Acq: 17 Feb 2017 21:04

Tgt Ion:276 Resp: 72324
Ion Ratio Lower Upper
276 100
277 24.8 19.2 28.8
138 29.2 16.0 24.0#

