

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011317\
 Data File : BF092246.D
 Acq On : 13 Jan 2017 13:46
 Operator : UM/SJ
 Sample : I1131-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-004

Quant Time: Jan 13 17:54:14 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	153265	20.00	ng	-0.05
21) Naphthalene-d8	7.87	136	626670	20.00	ng	-0.07
38) Acenaphthene-d10	9.62	164	308873	20.00	ng	-0.07
63) Phenanthrene-d10	11.10	188	458141	20.00	ng	-0.05
75) Chrysene-d12	13.72	240	328975	20.00	ng	-0.07
86) Perylene-d12	15.08	264	301643	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	1749271	190.57	ng	-0.05
7) Phenol-d6	6.26	99	1839434	164.14	ng	-0.05
23) Nitrobenzene-d5	7.16	82	1297143	115.10	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	407839	159.55	ng	-0.05
44) 2-Fluorobiphenyl	8.95	172	1459906	98.96	ng	-0.05
78) Terphenyl-d14	12.68	244	1109414	81.79	ng	-0.07

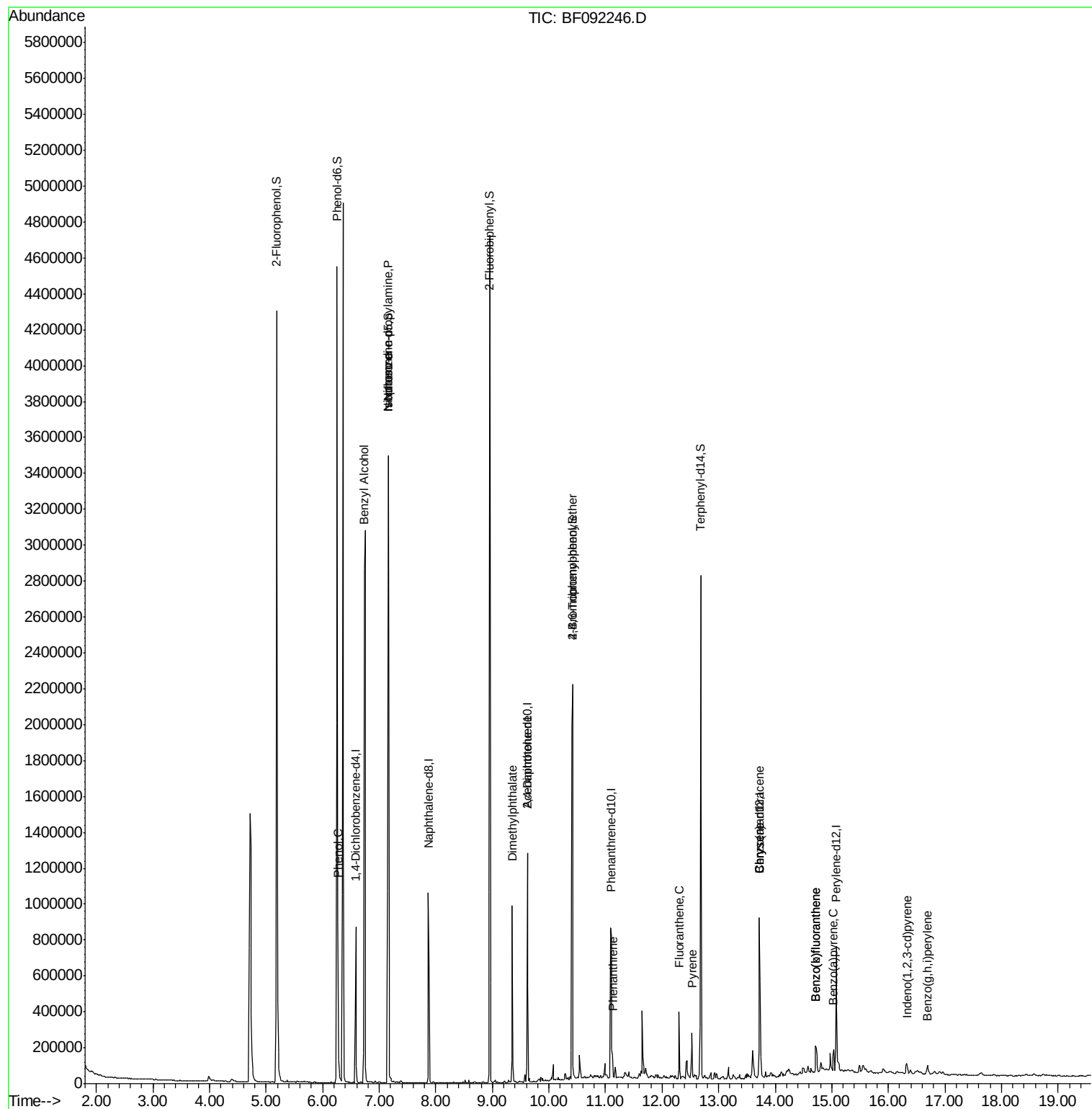
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.15	77	1386	Below Cal		90
10) Phenol	6.27	94	39928	3.13 ng		90
15) Benzyl Alcohol	6.74	79	20678	2.37 ng	#	47
19) n-Nitroso-di-n-propylamine	7.16	70	171516	23.00 ng	#	76
25) Isophorone	7.16	82	1289730	62.03 ng	#	65
37) 2-Methylnaphthalene	8.59	142	4625	Below Cal		98
49) Dimethylphthalate	9.35	163	375811	19.02 ng		99
56) 2,4-Dinitrotoluene	9.62	165	39561	7.29 ng	#	20
66) 4-Bromophenyl-phenylether	10.42	248	25577	5.37 ng	#	1
70) Phenanthrene	11.12	178	77255	3.11 ng		98
73) Di-n-butylphthalate	11.67	149	4590	Below Cal	#	92
74) Fluoranthene	12.30	202	143707	3.03 ng		95
76) Benzidine	12.68	184	14614	Below Cal	#	95
77) Pyrene	12.53	202	118713	4.92 ng		97
80) Benzo(a)anthracene	13.72	228	68692	3.70 ng		96
82) Chrysene	13.72	228	68692	3.69 ng		98
85) Indeno(1,2,3-cd)pyrene	16.33	276	39062	2.42 ng		97
87) Benzo(b)fluoranthene	14.71	252	113488	6.04 ng		97
88) Benzo(k)fluoranthene	14.71	252	113488	7.09 ng	#	97
89) Benzo(a)pyrene	15.03	252	58139	3.49 ng		98
91) Benzo(g,h,i)perylene	16.69	276	37378	2.62 ng	#	91

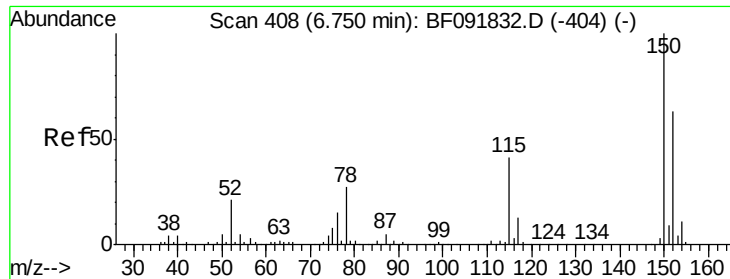
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 420

Delta R.T. -0.05 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

Instrument :

BNA_F

ClientSampleId :

SW-004

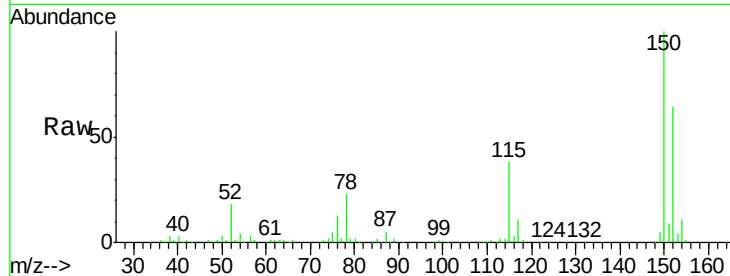
Tgt Ion:152 Resp: 153265

Ion Ratio Lower Upper

152 100

150 156.4 124.9 187.3

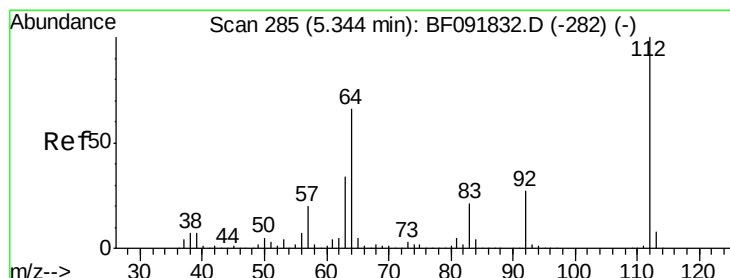
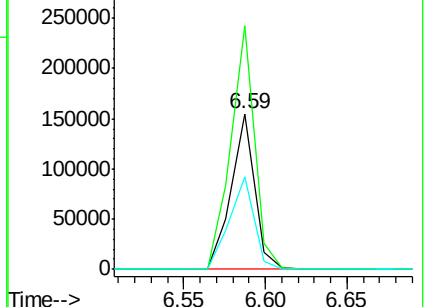
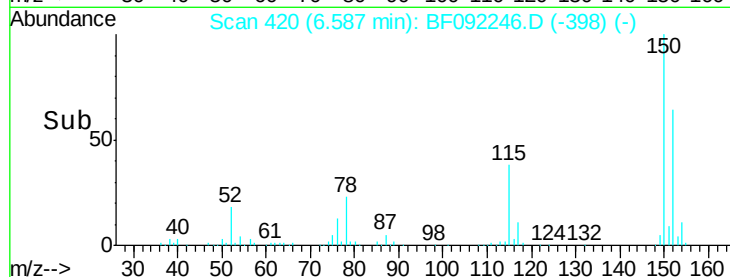
115 59.3 46.0 69.0



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: 190.57 ng

RT: 5.18 min Scan# 297

Delta R.T. -0.05 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

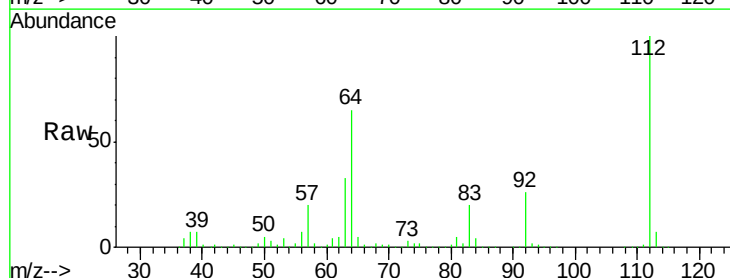
Tgt Ion:112 Resp: 1749271

Ion Ratio Lower Upper

112 100

64 64.9 46.1 69.1

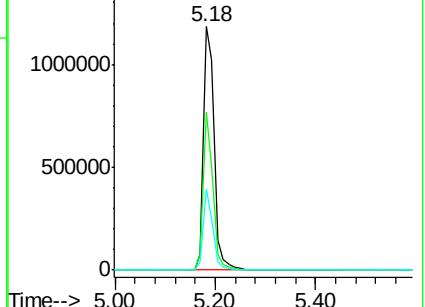
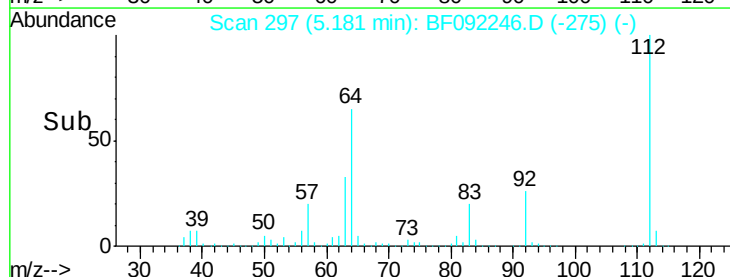
63 33.2 23.8 35.6

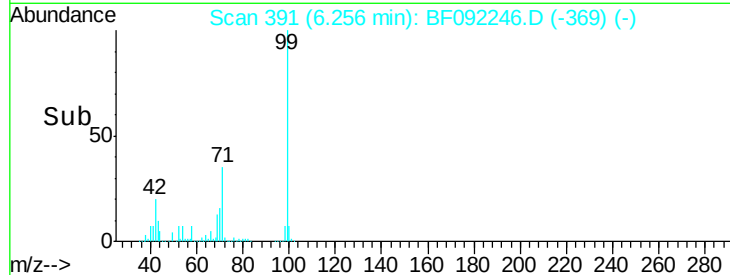
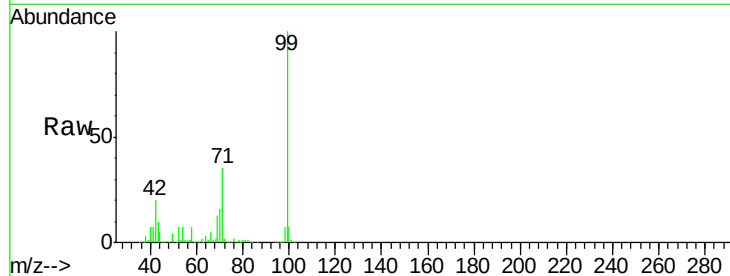
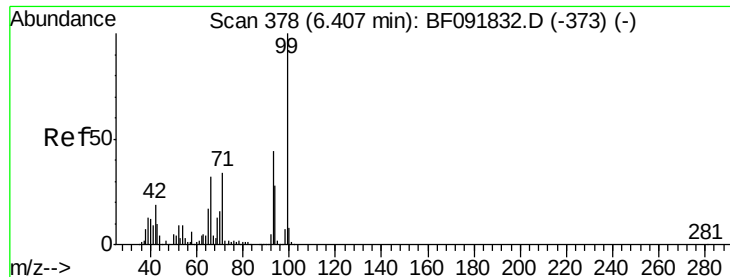


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 164.14 ng

RT: 6.26 min Scan# 391

Delta R.T. -0.05 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

Instrument :

BNA_F

ClientSampleId :

SW-004

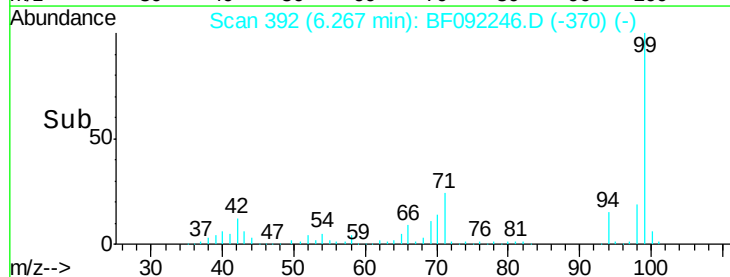
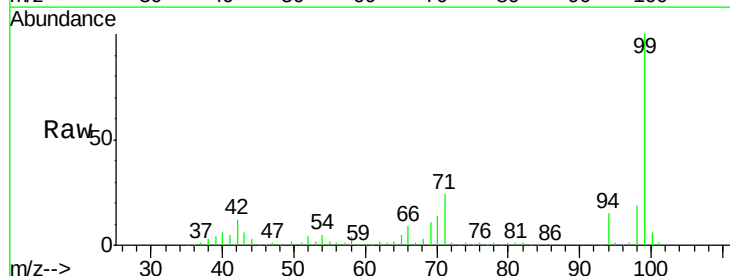
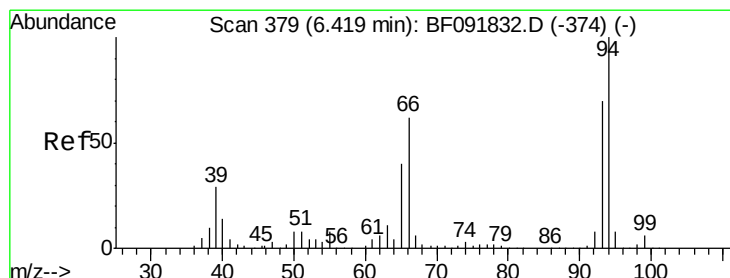
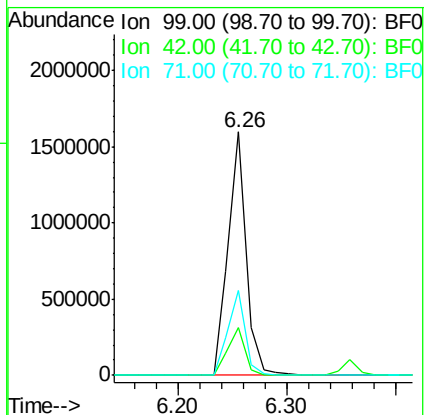
Tgt Ion: 99 Resp: 1839434

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

71 34.8 27.5 41.3



#10

Phenol

Concen: 3.13 ng

RT: 6.27 min Scan# 392

Delta R.T. -0.05 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

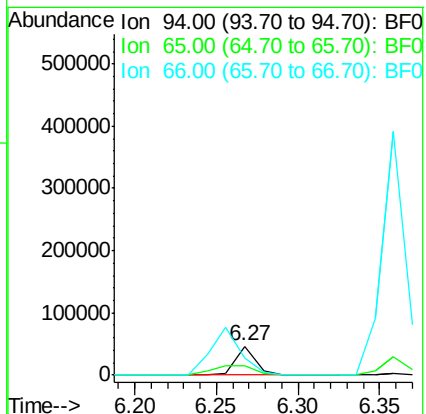
Tgt Ion: 94 Resp: 39928

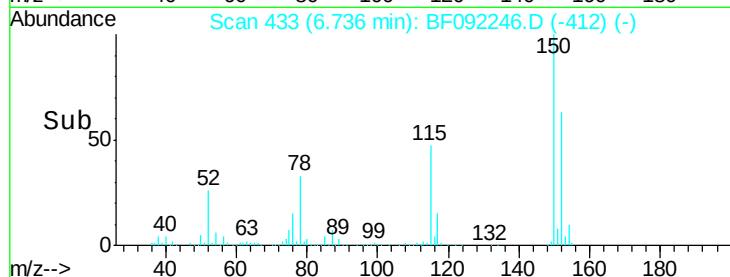
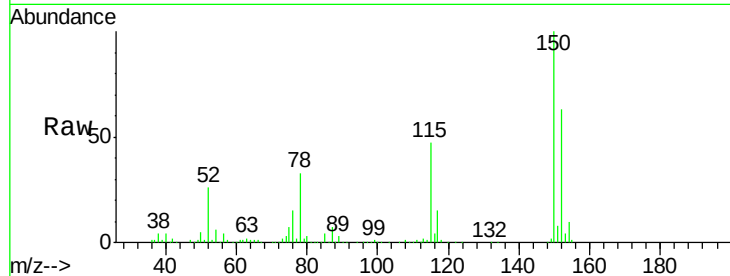
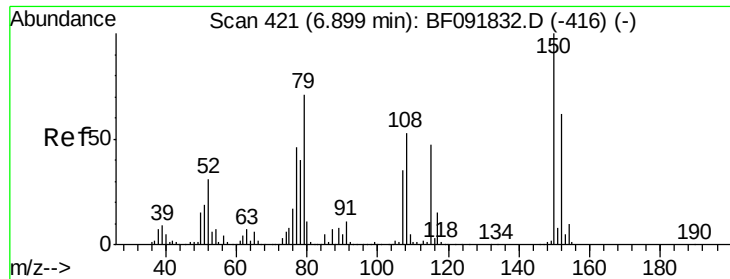
Ion Ratio Lower Upper

94 100

65 31.7 21.4 61.4

66 58.9 44.0 84.0





#15

Benzyl Alcohol

Concen: 2.37 ng

RT: 6.74 min Scan# 433

Delta R.T. -0.07 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

Instrument :

BNA_F

ClientSampleId :

SW-004

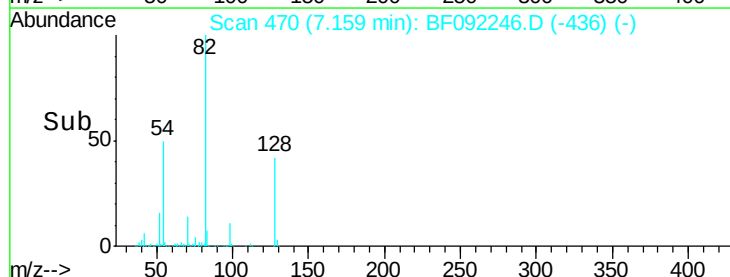
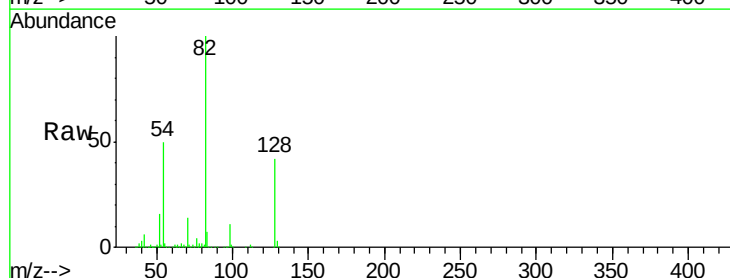
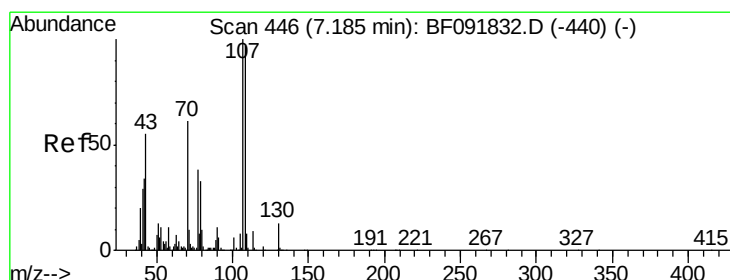
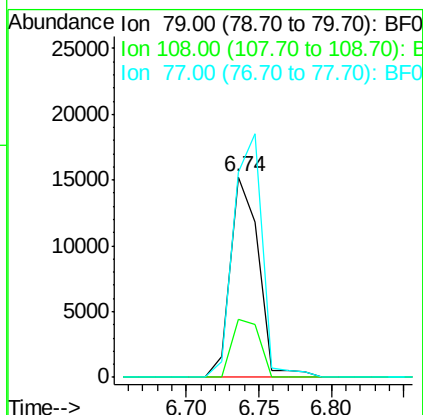
Tgt Ion: 79 Resp: 20678

Ion Ratio Lower Upper

79 100

108 29.1 61.4 92.0#

77 102.4 50.9 76.3#



#19

n-Nitroso-di-n-propylamine

Concen: 23.00 ng

RT: 7.16 min Scan# 470

Delta R.T. 0.08 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

Tgt Ion: 70 Resp: 171516

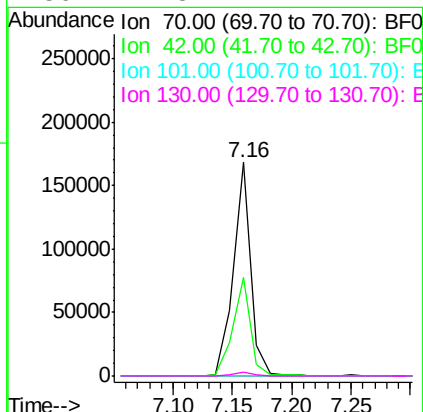
Ion Ratio Lower Upper

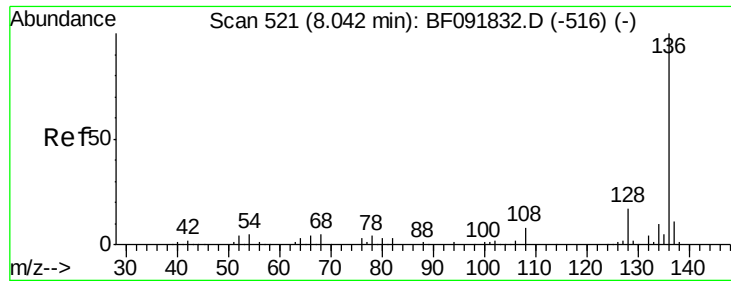
70 100

42 46.3 49.4 74.0#

101 0.0 7.4 11.2#

130 1.8 14.2 21.4#

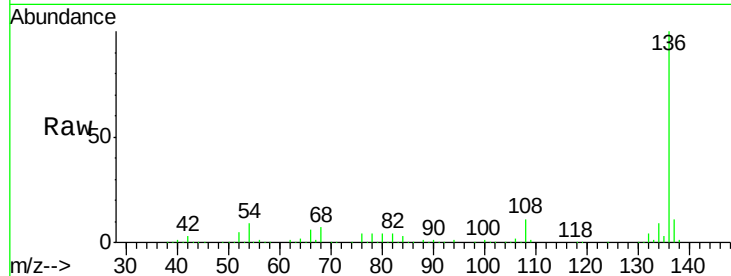




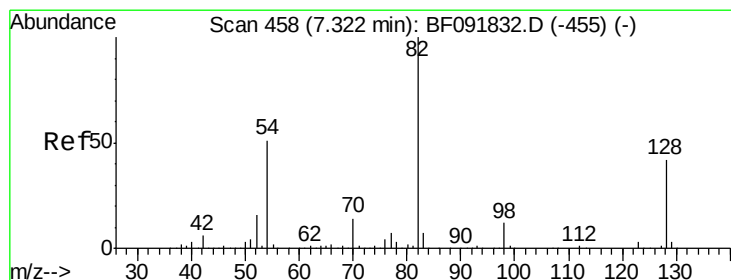
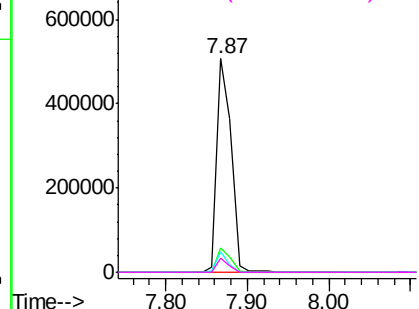
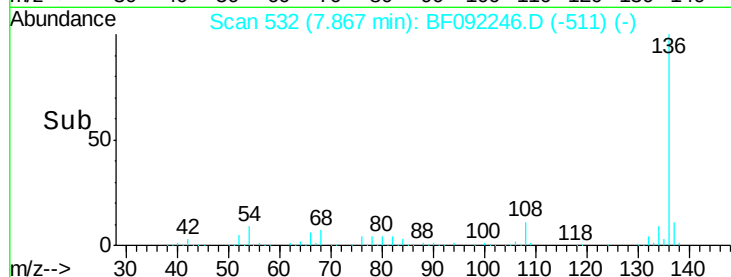
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 532
Delta R.T. -0.07 min
Lab File: BF092246.D
Acq: 13 Jan 2017 13:46

Instrument :
BNA_F
ClientSampleId :
SW-004

Tgt Ion: 136 Resp: 626670
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.4 4.5 6.7#
68 6.9 3.6 5.4#

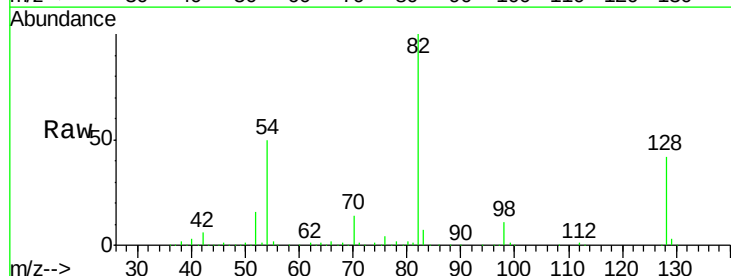


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

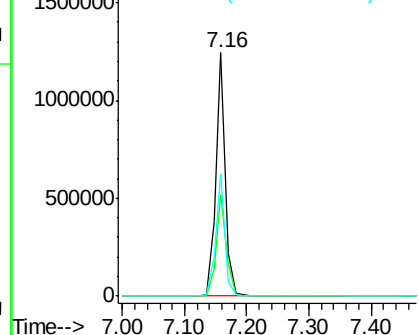
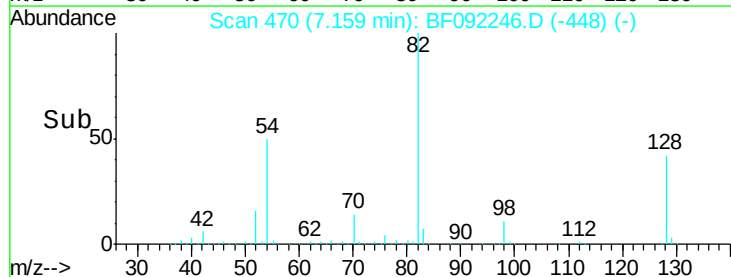


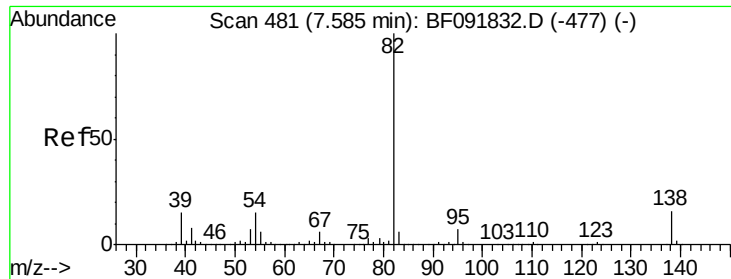
#23
Nitrobenzene-d5
Concen: 115.10 ng
RT: 7.16 min Scan# 470
Delta R.T. -0.05 min
Lab File: BF092246.D
Acq: 13 Jan 2017 13:46

Tgt Ion: 82 Resp: 1297143
Ion Ratio Lower Upper
82 100
128 41.6 34.6 52.0
54 50.0 39.5 59.3



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





#25

Isophorone

Concen: 62.03 ng

RT: 7.16 min Scan# 470

Delta R.T. -0.32 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

Instrument :

BNA_F

ClientSampleId :

SW-004

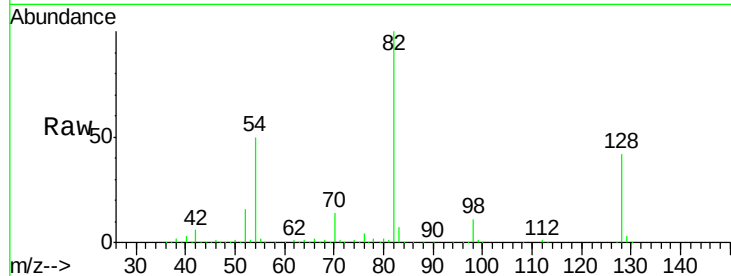
Tgt Ion: 82 Resp: 1289730

Ion Ratio Lower Upper

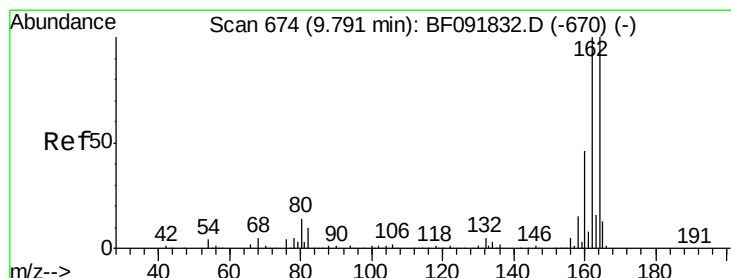
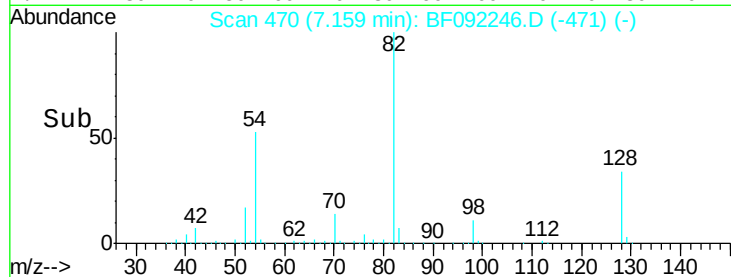
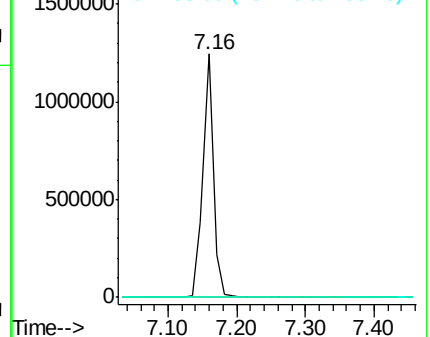
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 685

Delta R.T. -0.07 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

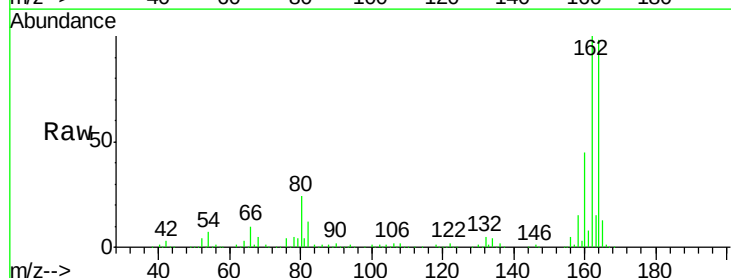
Tgt Ion: 164 Resp: 308873

Ion Ratio Lower Upper

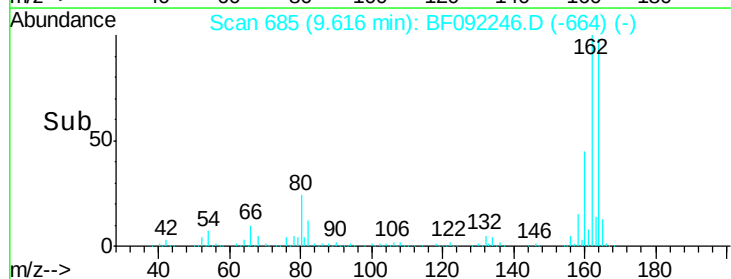
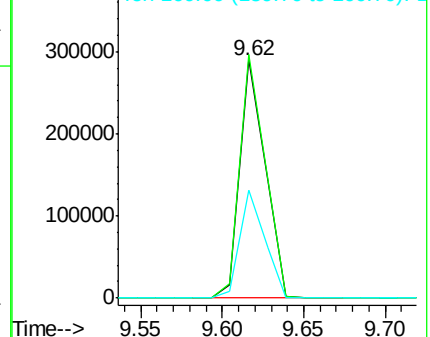
164 100

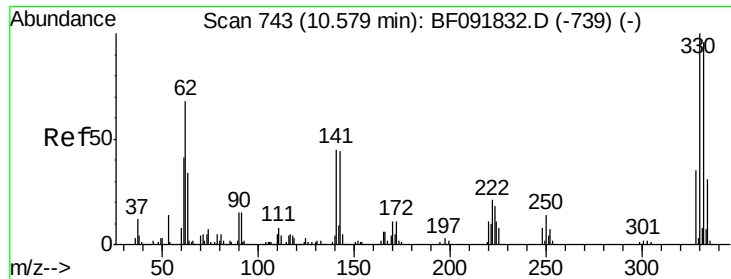
162 102.2 80.2 120.2

160 45.5 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

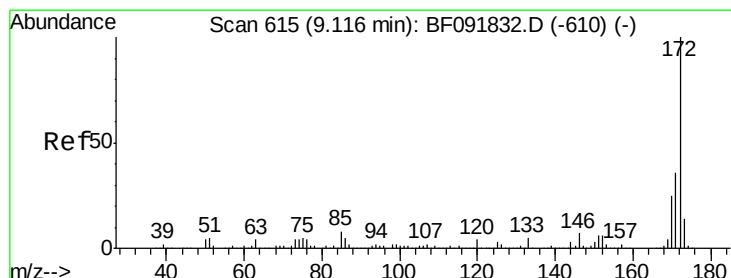
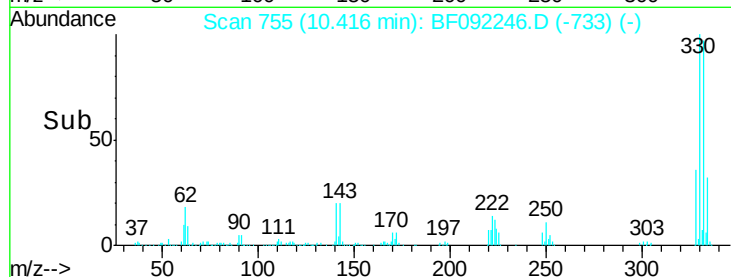
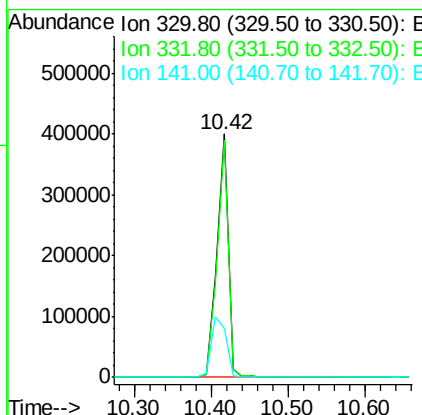
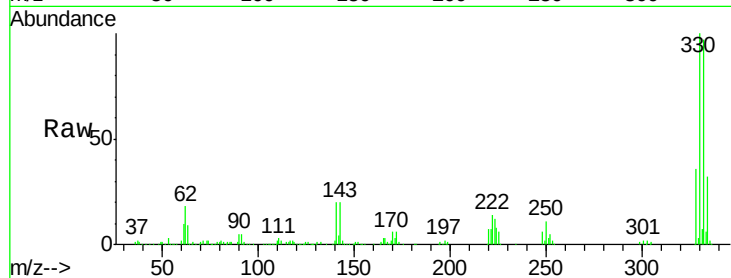




#41
 2,4,6-Tribromophenol
 Concen: 159.55 ng
 RT: 10.42 min Scan# 755
 Delta R.T. -0.05 min
 Lab File: BF092246.D
 Acq: 13 Jan 2017 13:46

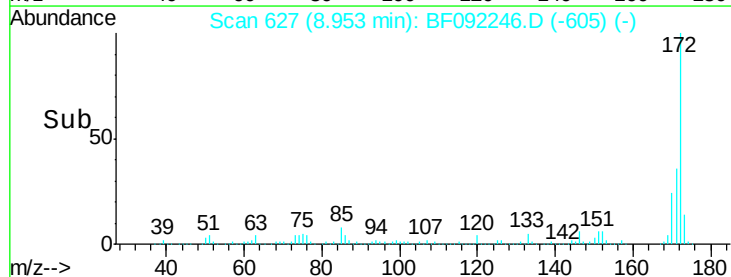
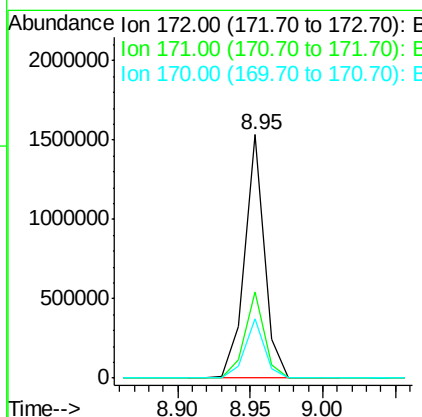
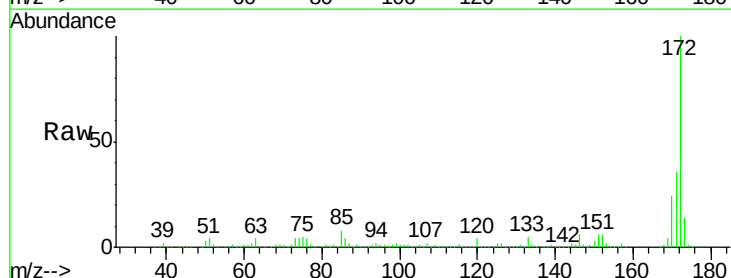
Instrument :
 BNA_F
 ClientSampled :
 SW-004

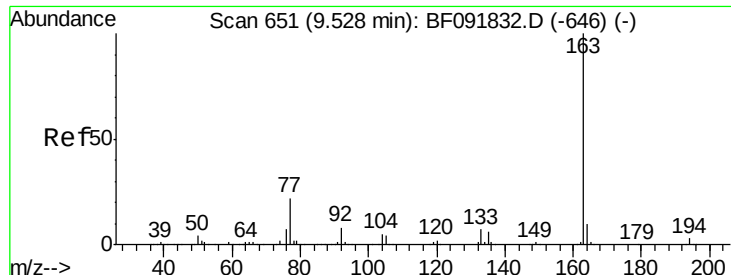
Tgt Ion:330 Resp: 407839
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.4 116.2
 141 32.7 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 98.96 ng
 RT: 8.95 min Scan# 627
 Delta R.T. -0.05 min
 Lab File: BF092246.D
 Acq: 13 Jan 2017 13:46

Tgt Ion:172 Resp: 1459906
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 24.2 20.2 30.4

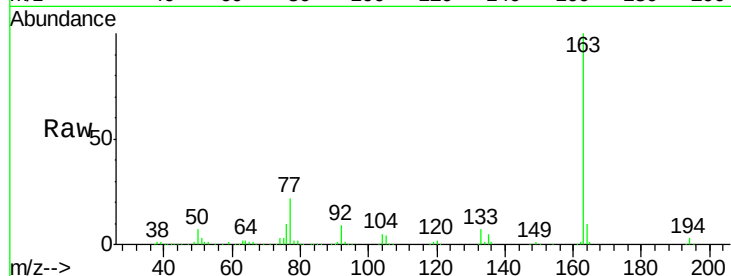




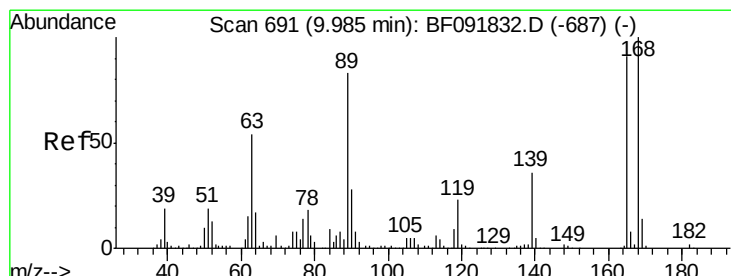
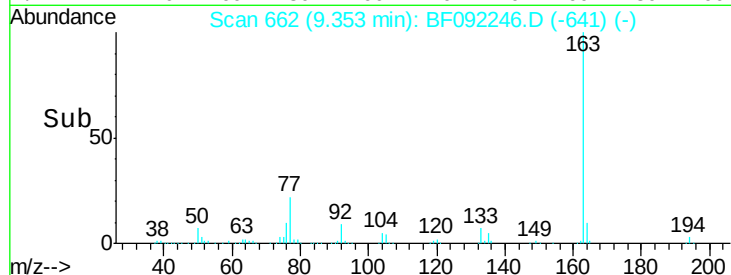
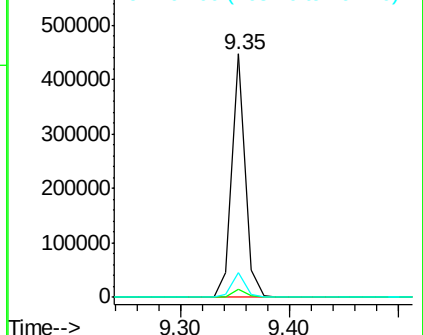
#49
Dimethylphthalate
Concen: 19.02 ng
RT: 9.35 min Scan# 662
Delta R.T. -0.07 min
Lab File: BF092246.D
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Instrument :
BNA_F
ClientSampleId :
SW-004

Tgt Ion:163 Resp: 375811
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.4 8.0 12.0

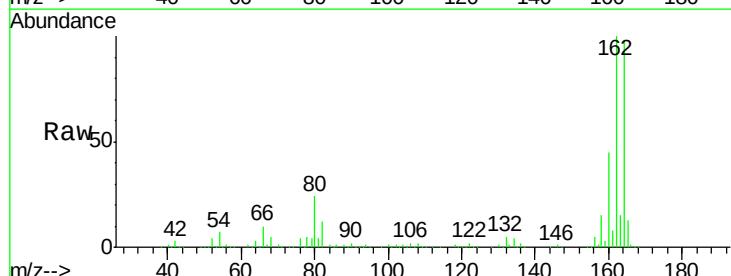


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

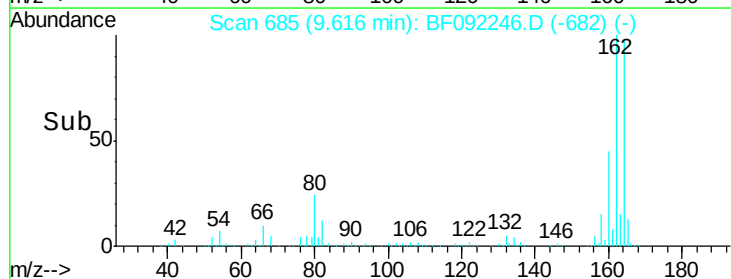
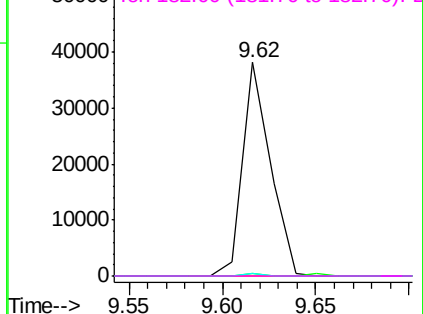


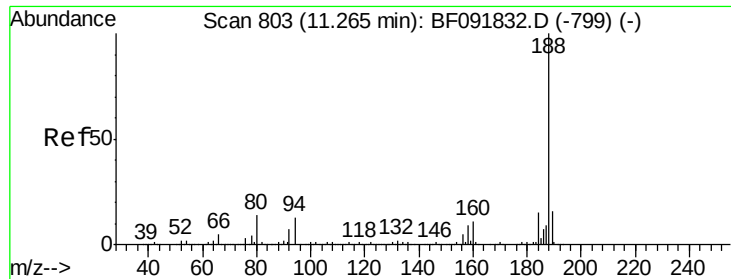
#56
2,4-Dinitrotoluene
Concen: 7.29 ng
RT: 9.62 min Scan# 685
Delta R.T. -0.27 min
Lab File: BF092246.D
Acq: 13 Jan 2017 13:46

Tgt Ion:165 Resp: 39561
Ion Ratio Lower Upper
165 100
63 1.0 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

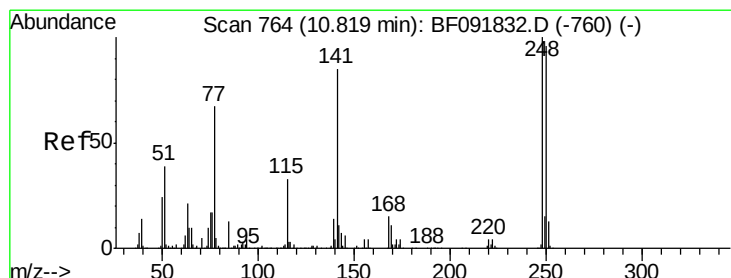
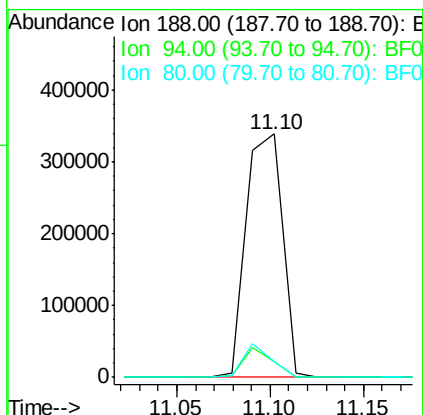
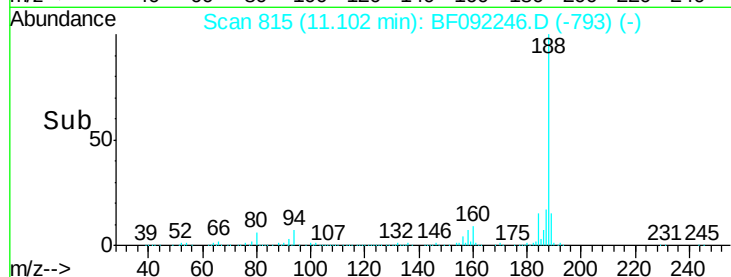
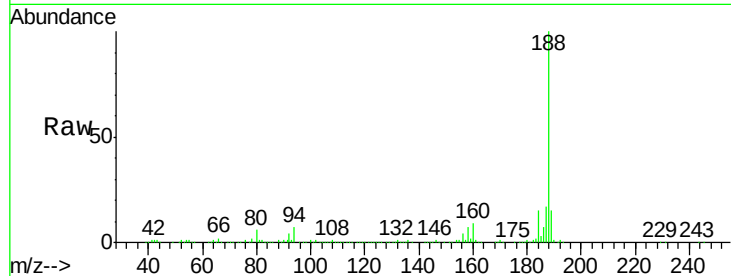




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 815
Delta R.T. -0.05 min
Lab File: BF092246.D
Acq: 13 Jan 2017 13:46

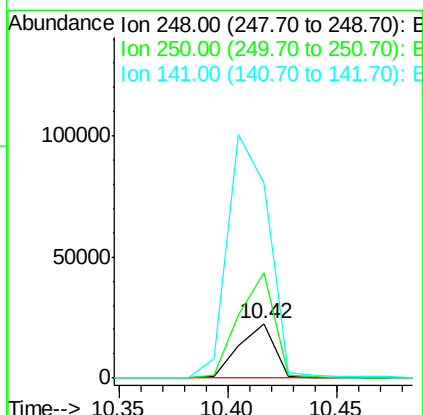
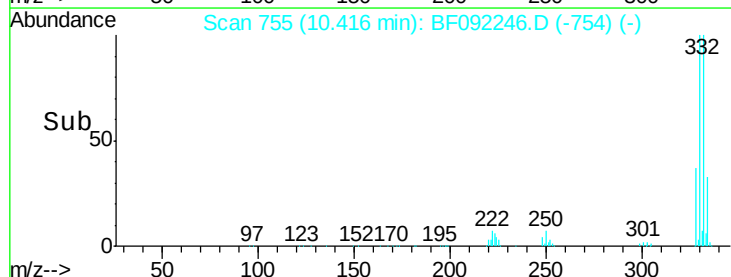
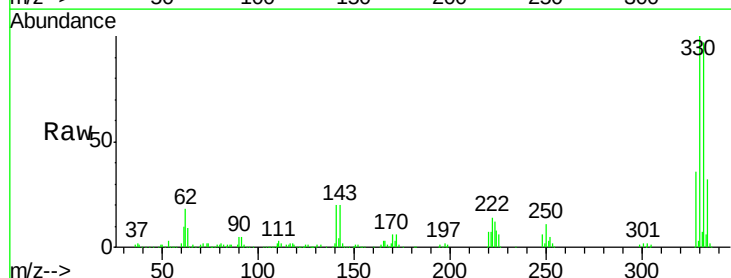
Instrument :
BNA_F
ClientSampleId :
SW-004

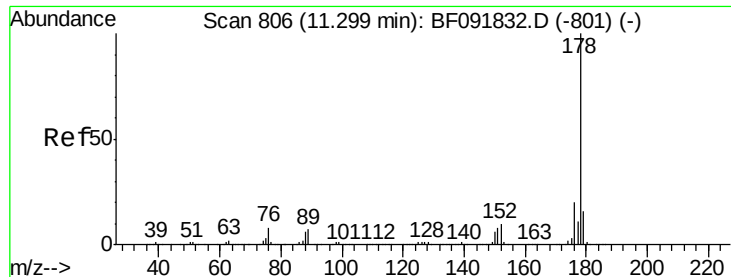
Tgt Ion:188 Resp: 458141
Ion Ratio Lower Upper
188 100
94 6.6 10.0 15.0#
80 6.3 11.2 16.8#



#66
4-Bromophenyl-phenylether
Concen: 5.37 ng
RT: 10.42 min Scan# 755
Delta R.T. -0.29 min
Lab File: BF092246.D
Acq: 13 Jan 2017 13:46

Tgt Ion:248 Resp: 25577
Ion Ratio Lower Upper
248 100
250 194.2 76.9 115.3#
141 358.5 68.2 102.4#

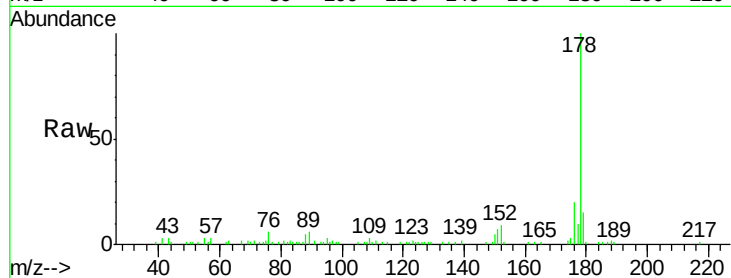




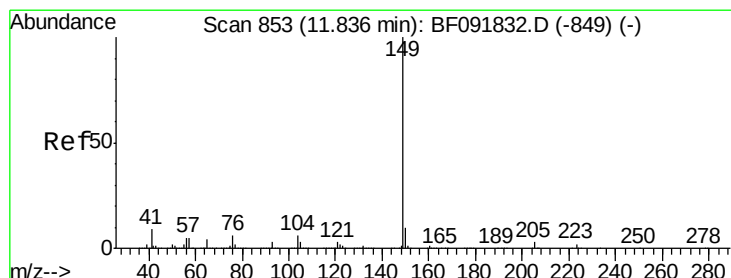
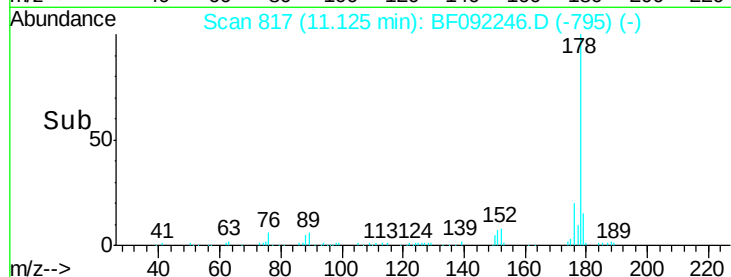
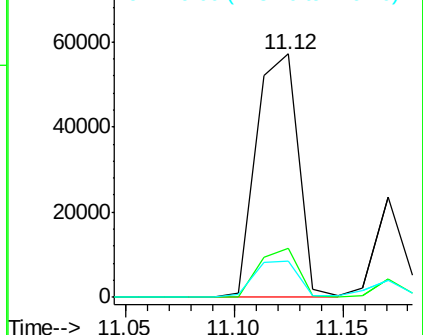
#70
Phenanthrene
Concen: 3.11 ng
RT: 11.12 min Scan# 817
Delta R.T. -0.05 min
Lab File: BF092246.D
Acq: 13 Jan 2017 13:46

Instrument :
BNA_F
ClientSampleId :
SW-004

Tgt Ion:178 Resp: 77255
Ion Ratio Lower Upper
178 100
176 20.0 16.6 25.0
179 15.1 12.8 19.2

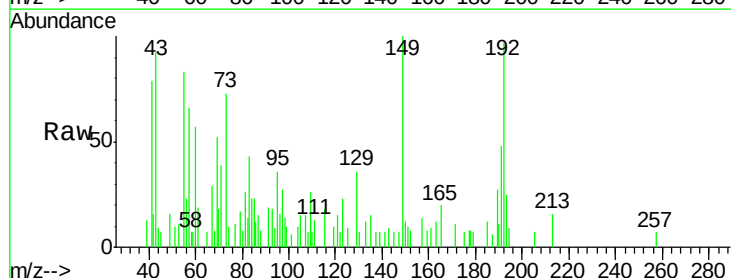


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

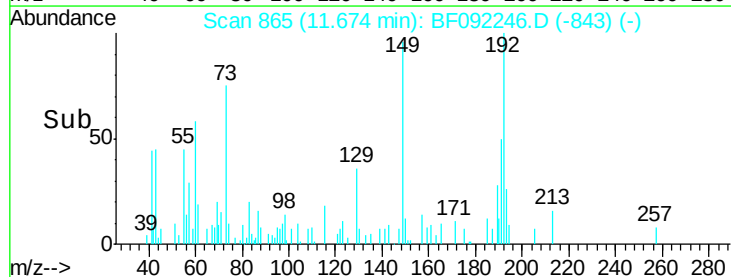
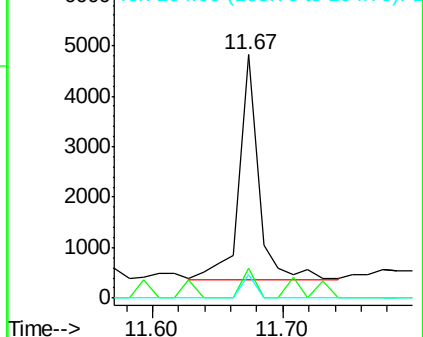


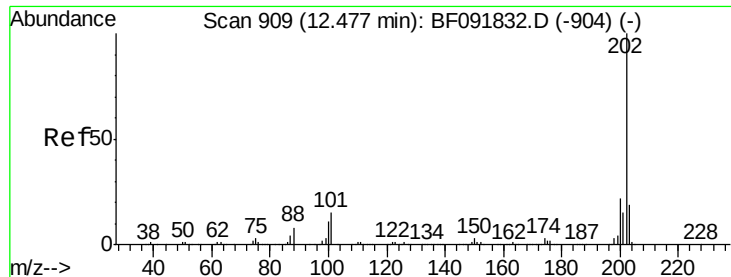
#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.67 min Scan# 865
Delta R.T. -0.05 min
Lab File: BF092246.D
Acq: 13 Jan 2017 13:46

Tgt Ion:149 Resp: 4590
Ion Ratio Lower Upper
149 100
150 12.2 8.1 12.1#
104 9.8 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

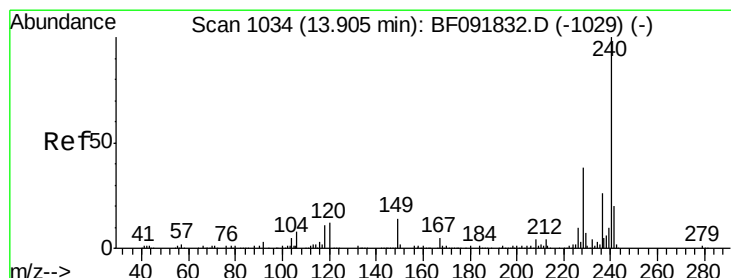
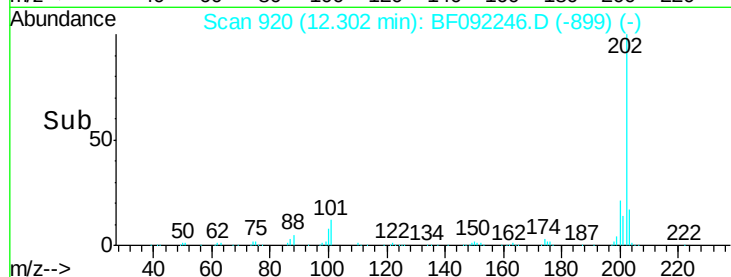
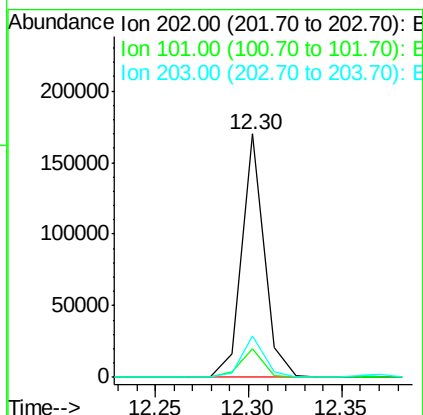
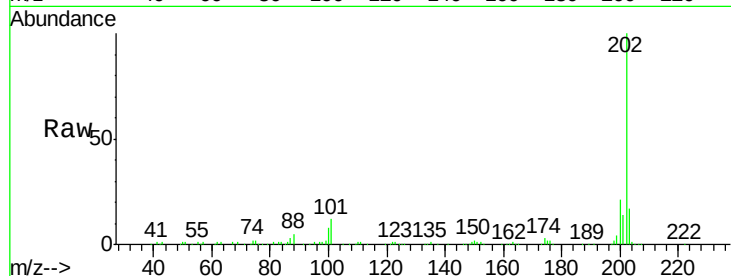




#74
Fluoranthene
Concen: 3.03 ng
RT: 12.30 min Scan# 920
Delta R.T. -0.07 min
Lab File: BF092246.D
Acq: 13 Jan 2017 13:46

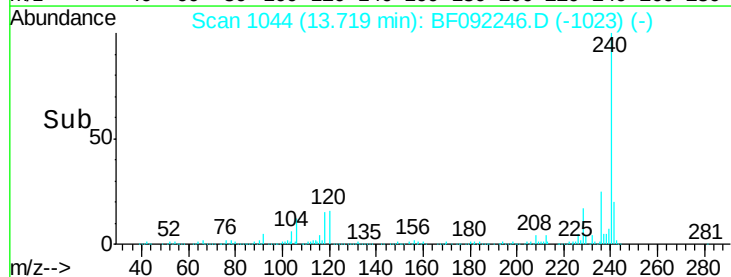
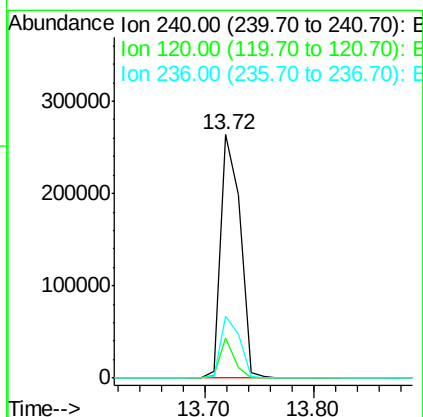
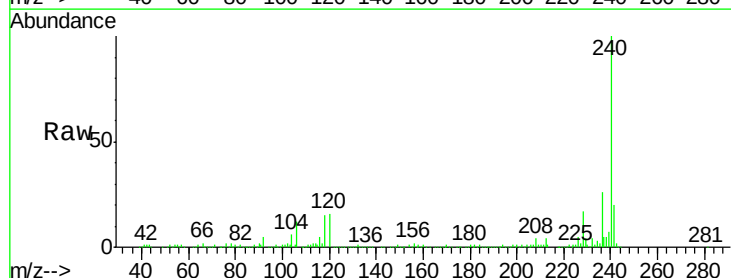
Instrument :
BNA_F
ClientSampleId :
SW-004

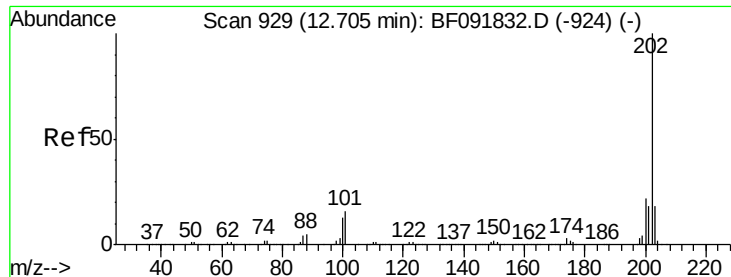
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.6
203	17.0	0.0	38.7



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.72 min Scan# 1044
Delta R.T. -0.07 min
Lab File: BF092246.D
Acq: 13 Jan 2017 13:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.4	12.9	19.3
236	25.6	20.9	31.3

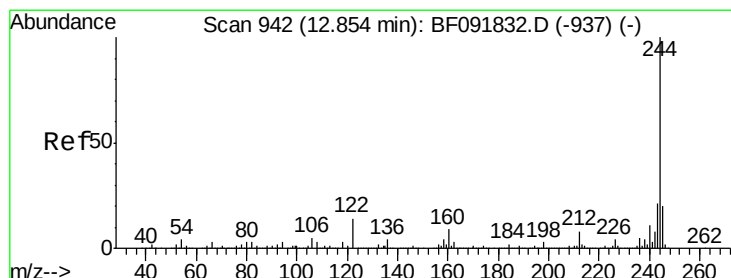
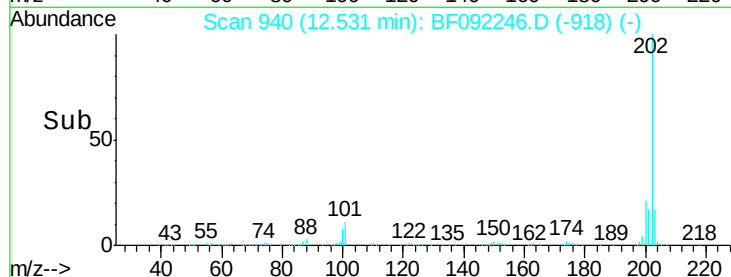
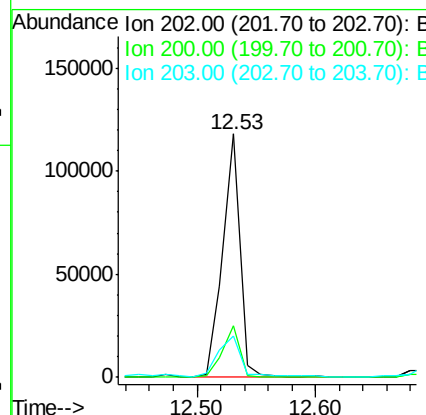
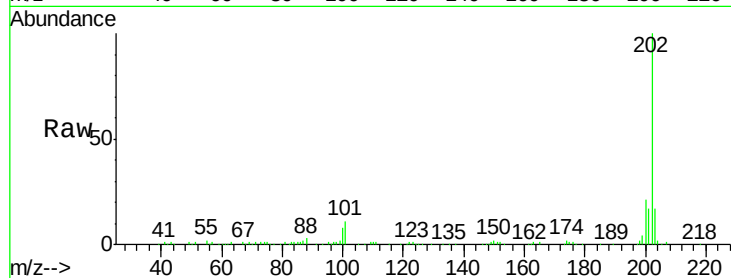




#77
 Pyrene
 Concen: 4.92 ng
 RT: 12.53 min Scan# 940
 Delta R.T. -0.05 min
 Lab File: BF092246.D
 Acq: 13 Jan 2017 13:46

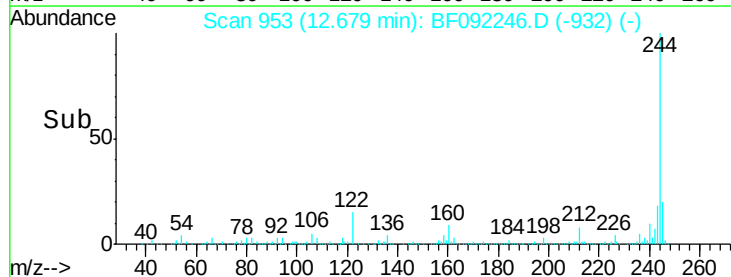
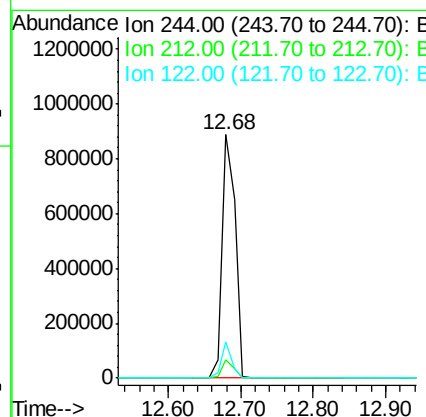
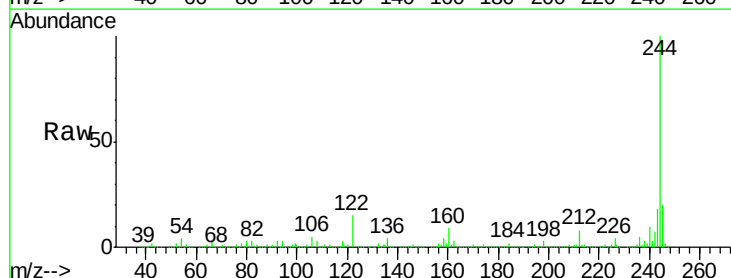
Instrument :
 BNA_F
 ClientSampleId :
 SW-004

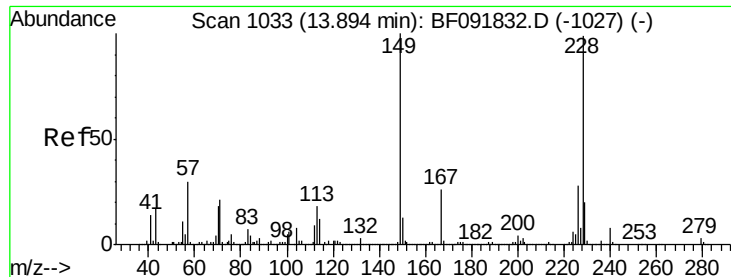
Tgt Ion: 202 Resp: 118713
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.7 26.5
 203 16.8 14.7 22.1



#78
 Terphenyl-d14
 Concen: 81.79 ng
 RT: 12.68 min Scan# 953
 Delta R.T. -0.07 min
 Lab File: BF092246.D
 Acq: 13 Jan 2017 13:46

Tgt Ion: 244 Resp: 1109414
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 15.1 11.4 17.2





#80

Benzo(a)anthracene

Concen: 3.70 ng

RT: 13.72 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

Instrument :

BNA_F

ClientSampleId :

SW-004

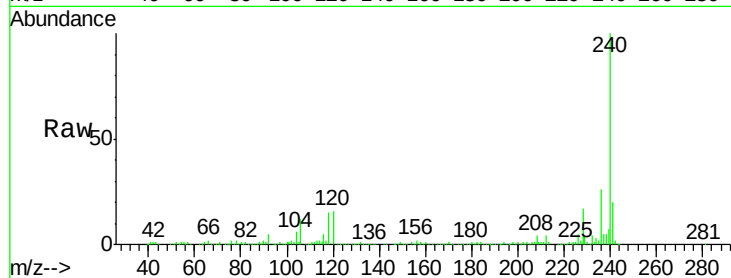
Tgt Ion:228 Resp: 68692

Ion Ratio Lower Upper

228 100

226 31.1 22.4 33.6

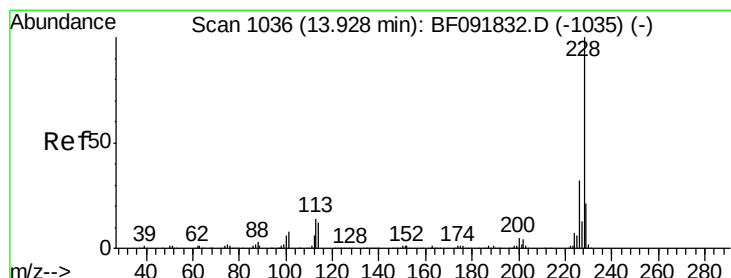
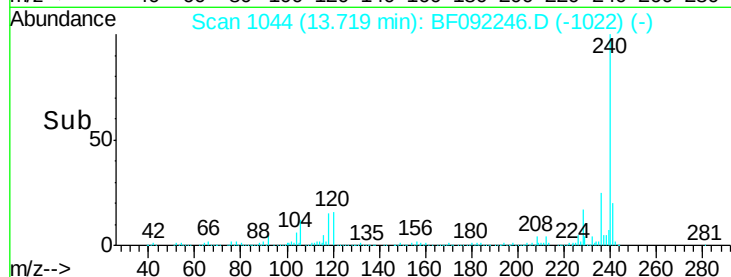
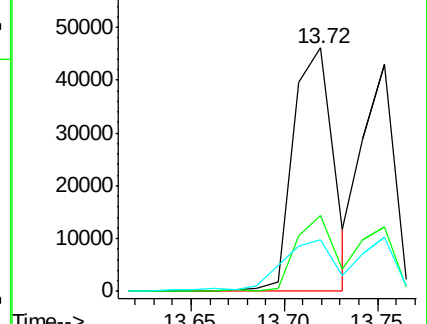
229 21.3 16.2 24.4



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: 3.69 ng

RT: 13.72 min Scan# 1044

Delta R.T. -0.09 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

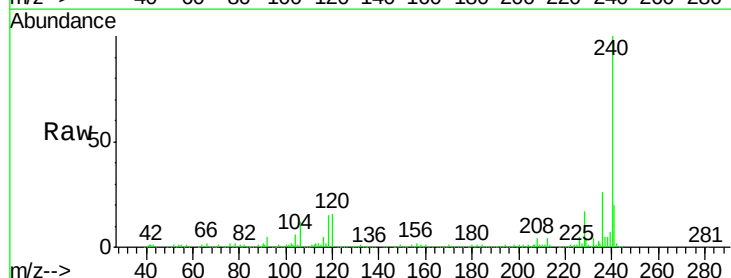
Tgt Ion:228 Resp: 68692

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.0

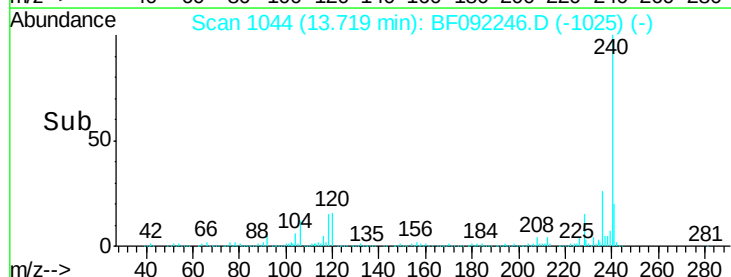
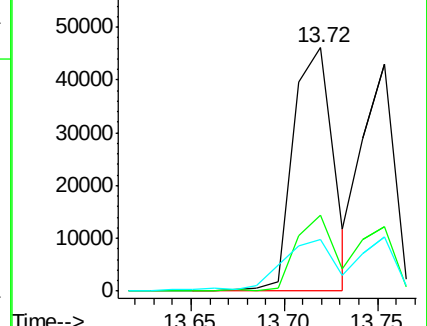
229 21.3 16.2 24.2

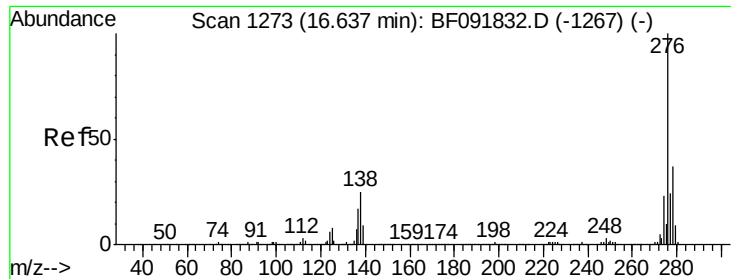


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

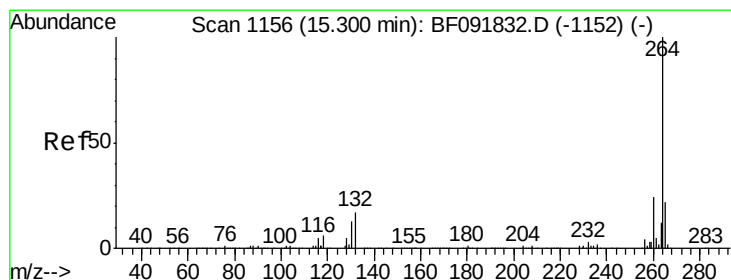
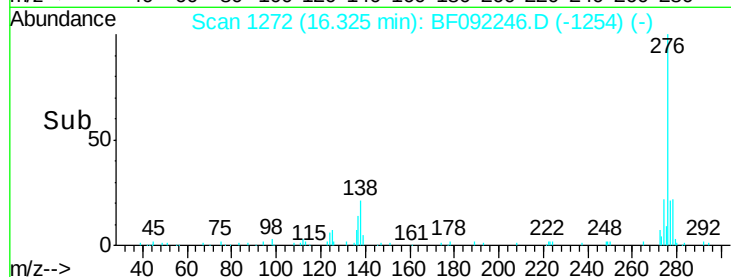
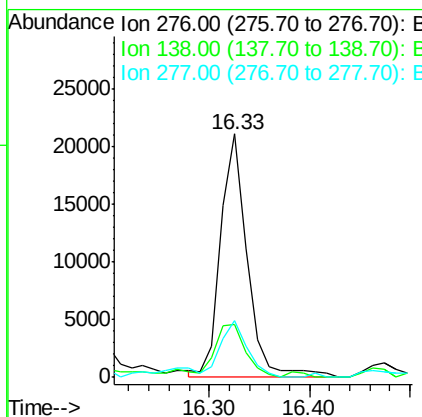
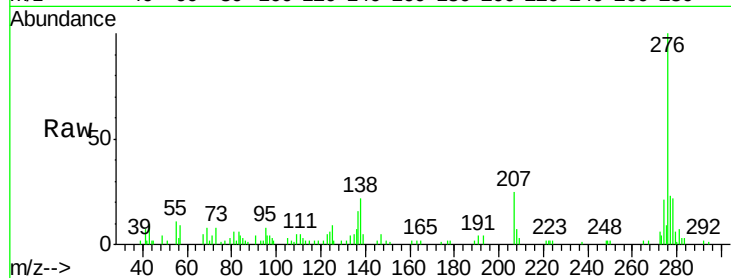




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.42 ng
 RT: 16.33 min Scan# 1272
 Delta R.T. -0.10 min
 Lab File: BF092246.D
 Acq: 13 Jan 2017 13:46

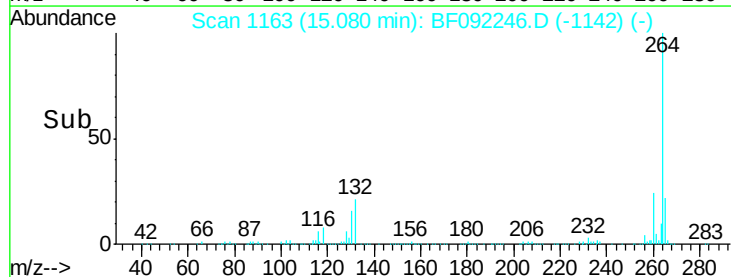
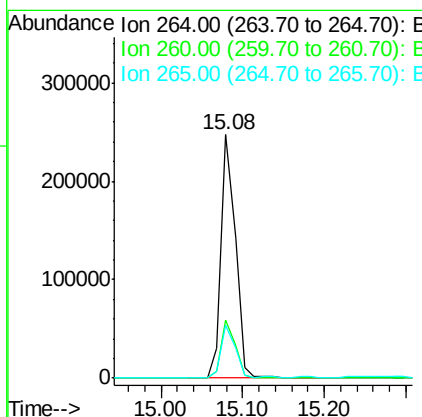
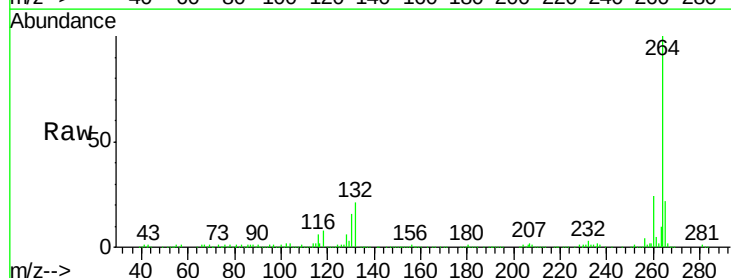
Instrument :
 BNA_F
 ClientSampleId :
 SW-004

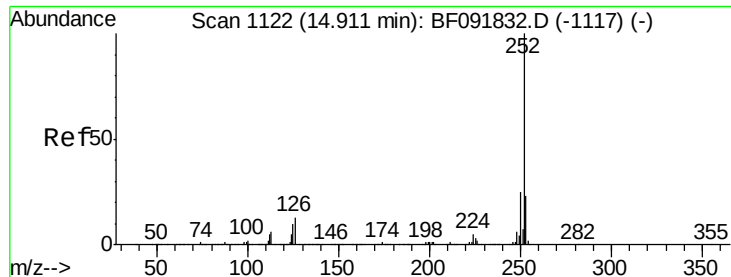
Tgt Ion: 276 Resp: 39062
 Ion Ratio Lower Upper
 276 100
 138 27.8 21.8 32.6
 277 23.3 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.08 min Scan# 1163
 Delta R.T. -0.07 min
 Lab File: BF092246.D
 Acq: 13 Jan 2017 13:46

Tgt Ion: 264 Resp: 301643
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.7 17.4 26.0

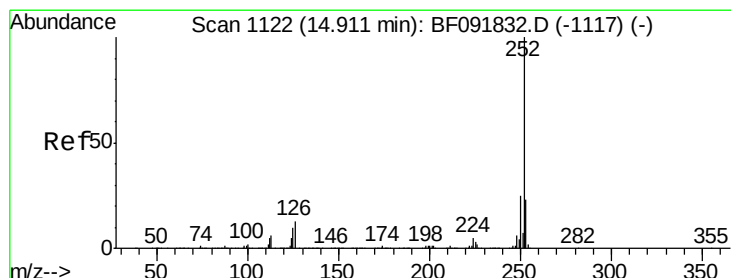
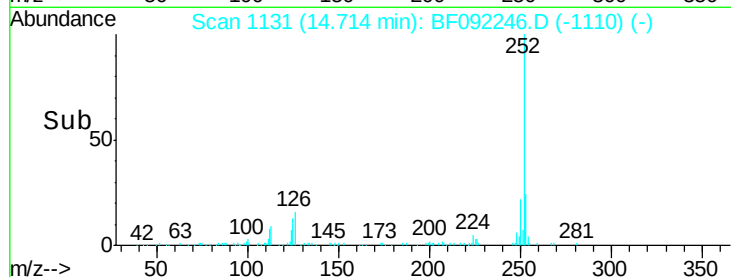
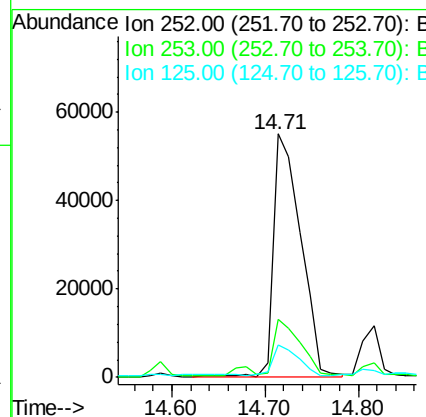
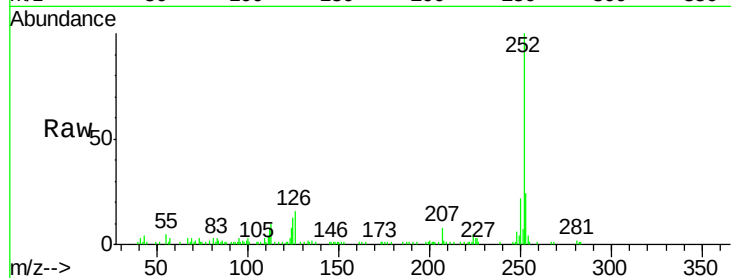




#87
Benzo(b)fluoranthene
Concen: 6.04 ng
RT: 14.71 min Scan# 1131
Delta R.T. -0.07 min
Lab File: BF092246.D
Acq: 13 Jan 2017 13:46

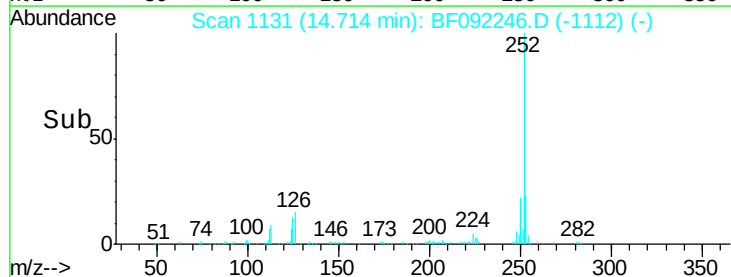
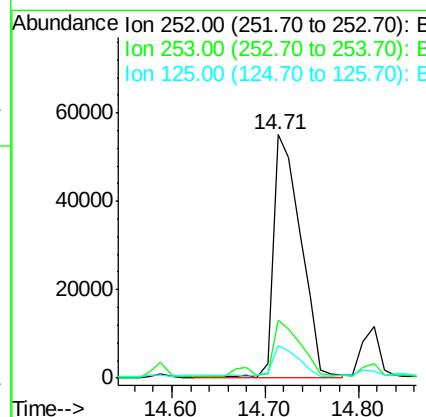
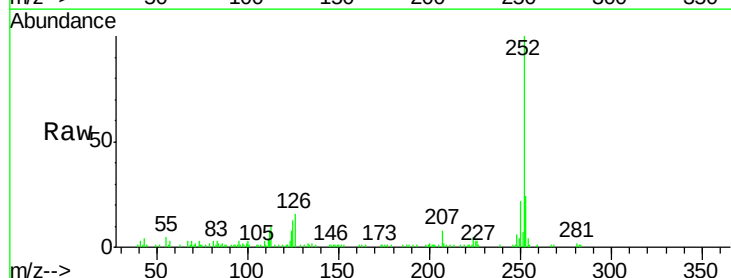
Instrument :
BNA_F
ClientSampleId :
SW-004

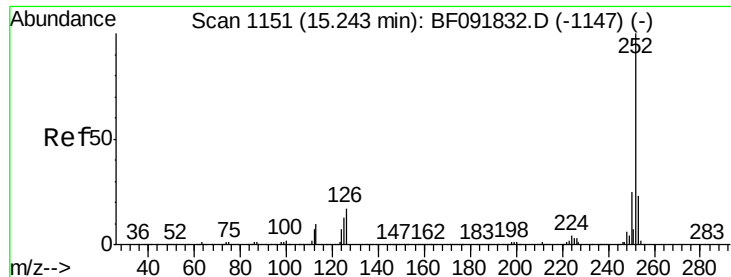
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.4
125	13.5	9.8	14.6



#88
Benzo(k)fluoranthene
Concen: 7.09 ng
RT: 14.71 min Scan# 1131
Delta R.T. -0.09 min
Lab File: BF092246.D
Acq: 13 Jan 2017 13:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.5	27.7
125	13.5	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 3.49 ng

RT: 15.03 min Scan# 1159

Delta R.T. -0.07 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

Instrument :

BNA_F

ClientSampleId :

SW-004

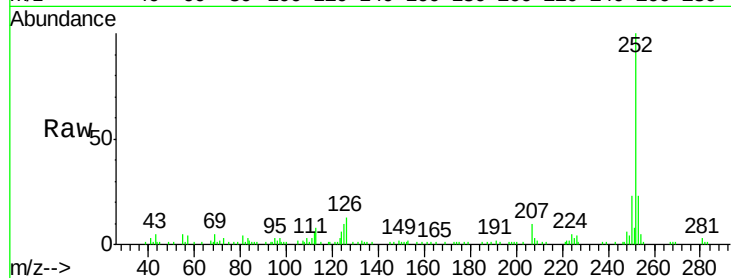
Tgt Ion:252 Resp: 58139

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

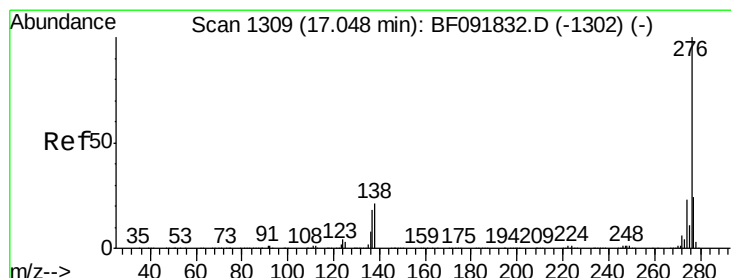
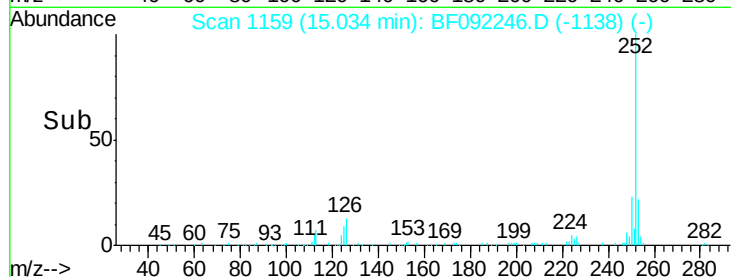
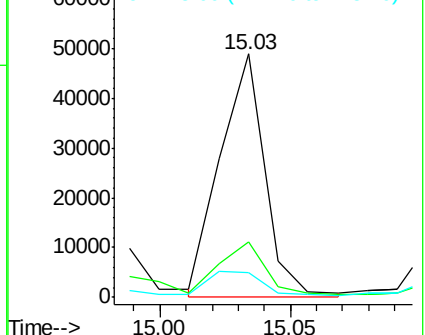
125 10.3 10.0 15.0



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



#91

Benzo(g,h,i)perylene

Concen: 2.62 ng

RT: 16.69 min Scan# 1304

Delta R.T. -0.11 min

Lab File: BF092246.D

Acq: 13 Jan 2017 13:46

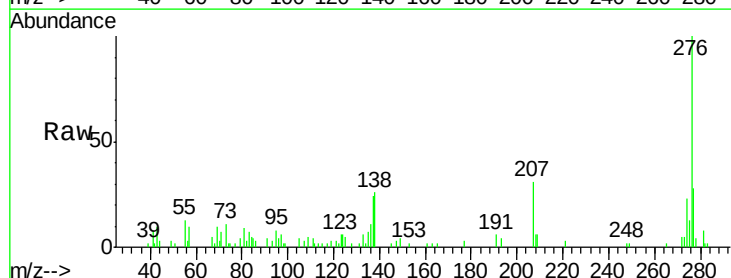
Tgt Ion:276 Resp: 37378

Ion Ratio Lower Upper

276 100

277 27.6 19.2 28.8

138 25.5 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

