

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010915\
 Data File : BG015871.D
 Acq On : 9 Jan 2015 16:03
 Operator : TP/IZ
 Sample : G1041-01
 Misc : S
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LAR9762

Quant Time: Jan 09 17:21:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG010515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 06 08:46:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	30453	20.00	ng	0.00
21) Naphthalene-d8	10.51	136	114962	20.00	ng	0.00
38) Acenaphthene-d10	14.37	164	84906	20.00	ng	0.00
63) Phenanthrene-d10	17.11	188	204542	20.00	ng	0.00
75) Chrysene-d12	21.30	240	270781	20.00	ng	0.00
86) Perylene-d12	23.57	264	220263	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	168503	47.59	ng	0.00
7) Phenol-d6	6.92	99	240336	48.73	ng	0.00
23) Nitrobenzene-d5	8.89	82	176803	30.18	ng	0.00
41) 2,4,6-Tribromophenol	15.87	330	155860	48.29	ng	0.00
44) 2-Fluorobiphenyl	12.99	172	378769	31.86	ng	0.00
78) Terphenyl-d14	19.74	244	750232	30.96	ng	0.00

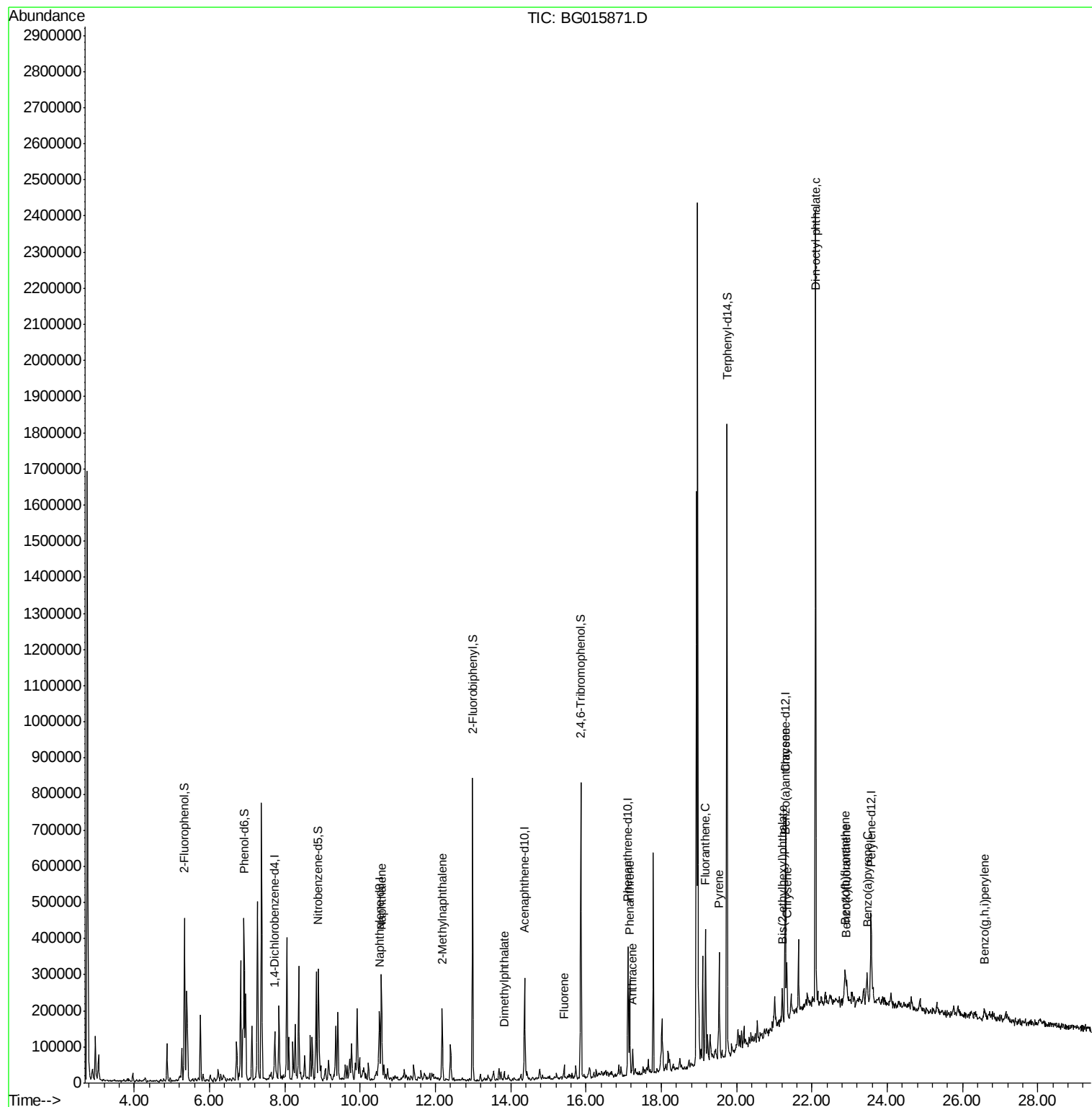
Target Compounds						Qvalue
31) Naphthalene	10.57	128	159367	26.17	ng	# 95
37) 2-Methylnaphthalene	12.18	142	78678	17.26	ng	94
49) Dimethylphthalate	13.83	163	12583	2.01	ng	# 95
57) Fluorene	15.42	166	16035	2.50	ng	96
70) Phenanthrene	17.16	178	153377	14.09	ng	95
71) Anthracene	17.25	178	34257	3.17	ng	98
74) Fluoranthene	19.17	202	180599	10.97	ng	99
77) Pyrene	19.54	202	175822	12.14	ng	98
80) Benzo(a)anthracene	21.28	228	83624	5.20	ng	97
82) Chrysene	21.34	228	85966m	5.82	ng	
83) Bis(2-ethylhexyl)phthalate	21.21	149	41971	5.32	ng	# 89
84) Di-n-octyl phthalate	22.10	149	1329475	103.52	ng	98
87) Benzo(b)fluoranthene	22.89	252	73712m	5.36	ng	
88) Benzo(k)fluoranthene	22.92	252	35463m	2.68	ng	
89) Benzo(a)pyrene	23.47	252	60034	4.85	ng	# 94
91) Benzo(g,h,i)perylene	26.58	276	26669	2.20	ng	# 90

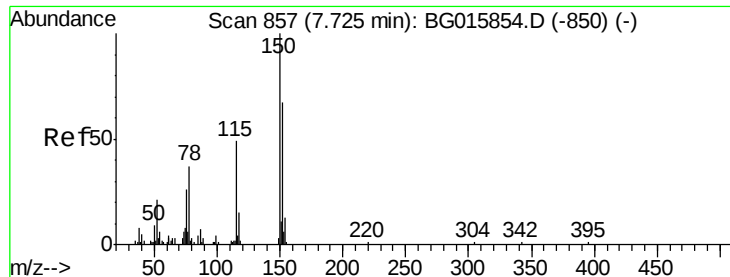
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.73 min Scan# 859

Delta R.T. 0.01 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Instrument :

BNA_G

ClientSampleId :

LAR9762

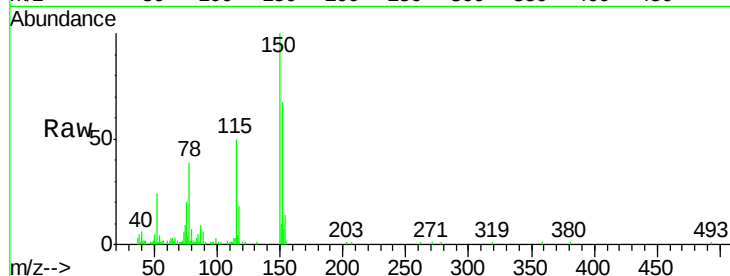
Tgt Ion:152 Resp: 30453

Ion Ratio Lower Upper

152 100

150 148.9 120.5 180.7

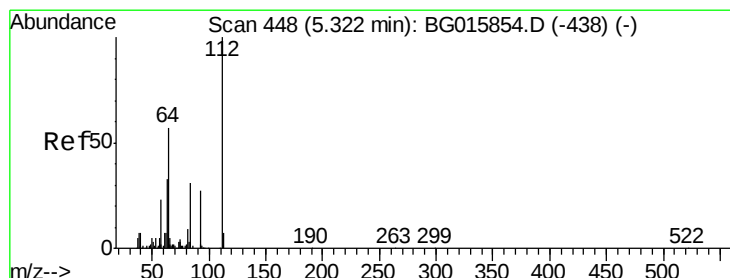
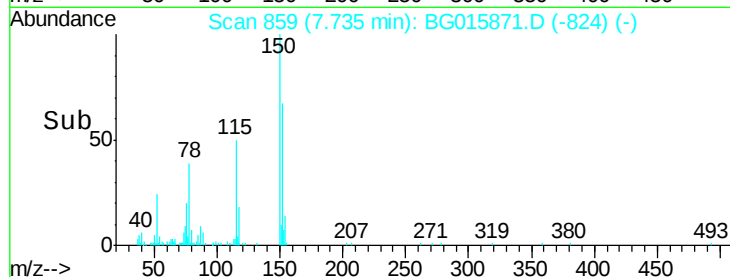
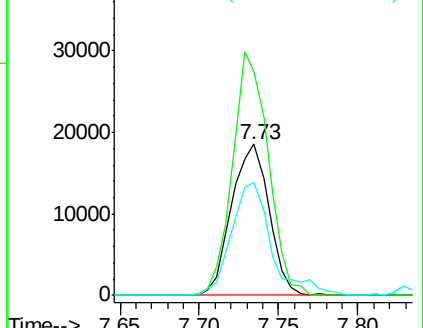
115 74.4 54.0 81.0



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: 47.59 ng

RT: 5.34 min Scan# 451

Delta R.T. 0.01 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

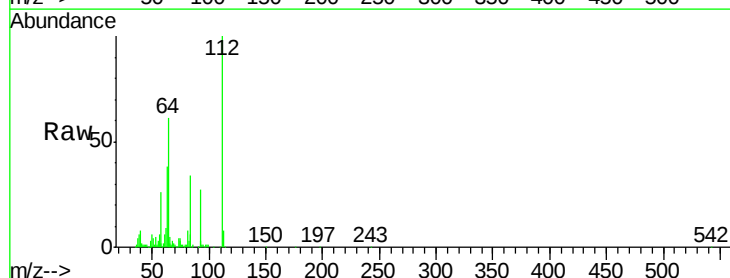
Tgt Ion:112 Resp: 168503

Ion Ratio Lower Upper

112 100

64 60.6 46.8 70.2

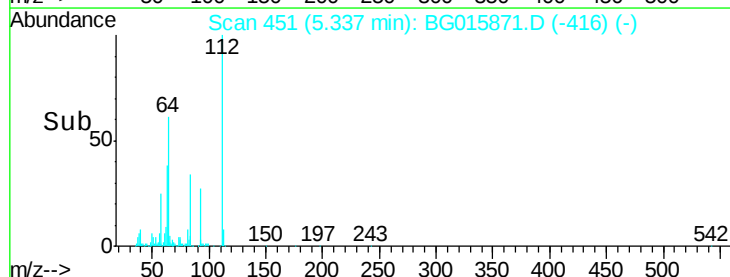
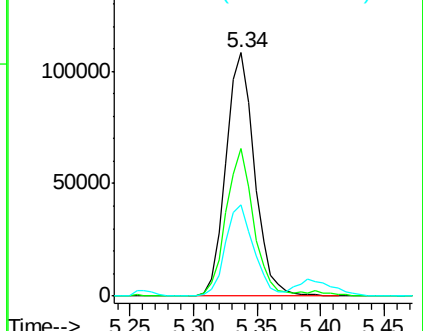
63 37.7 30.6 45.8

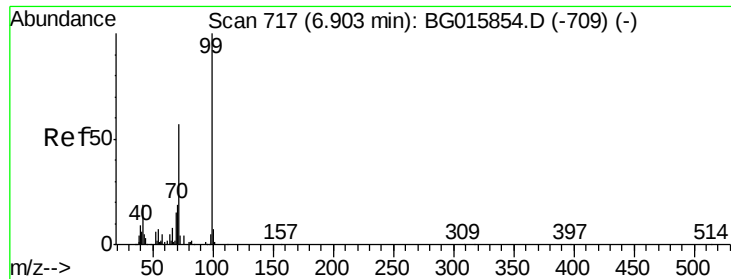


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 48.73 ng

RT: 6.92 min Scan# 720

Delta R.T. 0.01 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Instrument :

BNA_G

ClientSampleId :

LAR9762

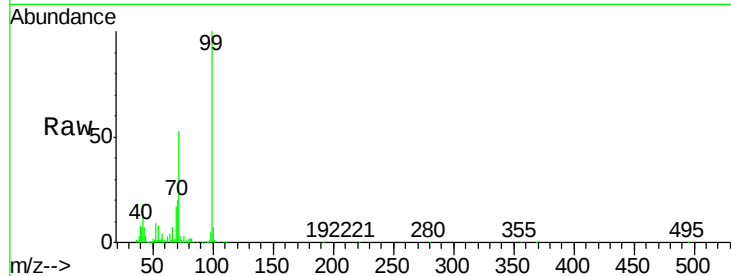
Tgt Ion: 99 Resp: 240336

Ion Ratio Lower Upper

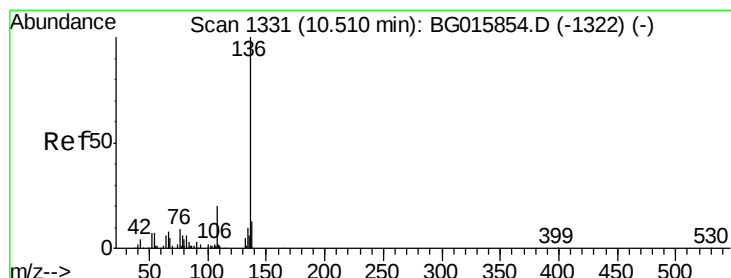
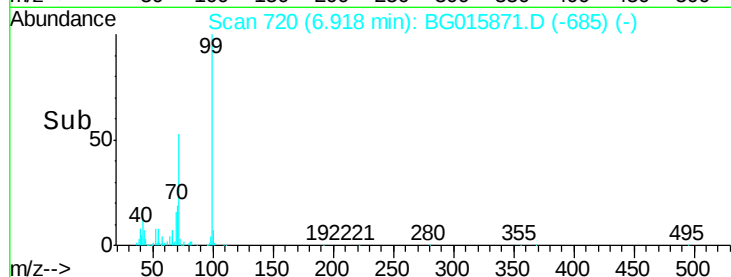
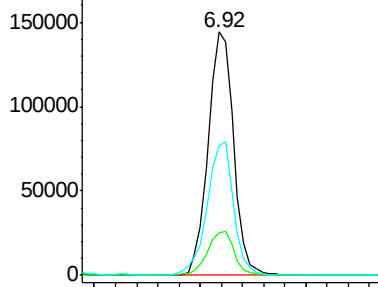
99 100

42 17.7 13.8 20.8

71 53.1 42.8 64.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.51 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Tgt Ion: 136 Resp: 114962

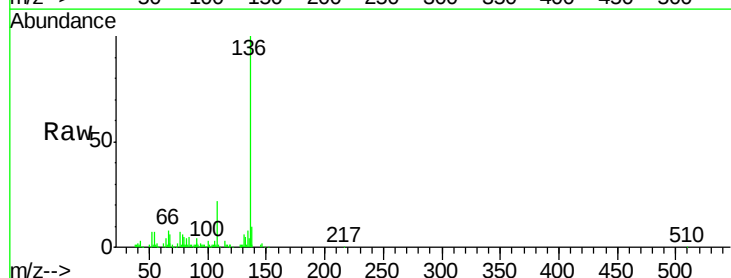
Ion Ratio Lower Upper

136 100

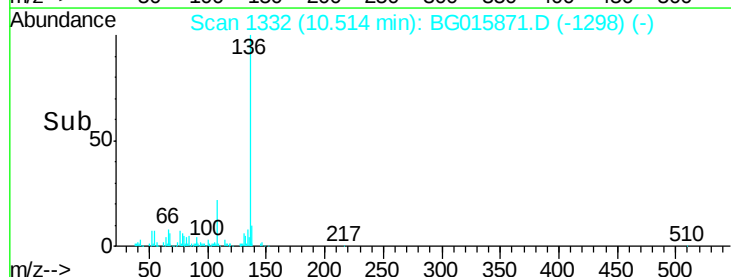
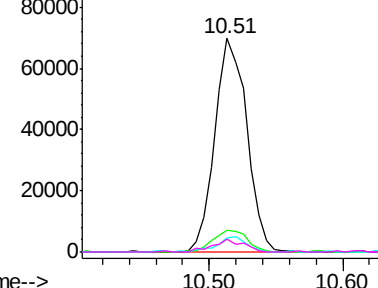
137 10.1 9.6 14.4

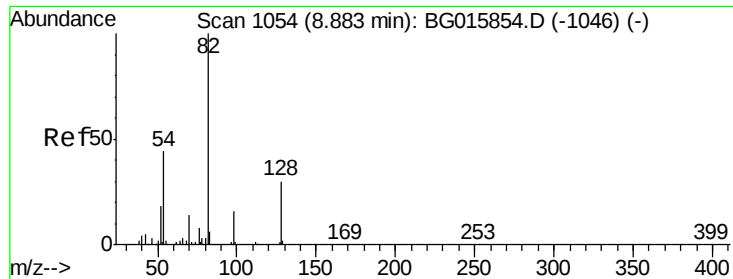
54 6.9 4.5 6.7#

68 6.0 5.0 7.4



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





#23

Nitrobenzene-d5

Concen: 30.18 ng

RT: 8.89 min Scan# 1055

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Instrument :

BNA_G

ClientSampleId :

LAR9762

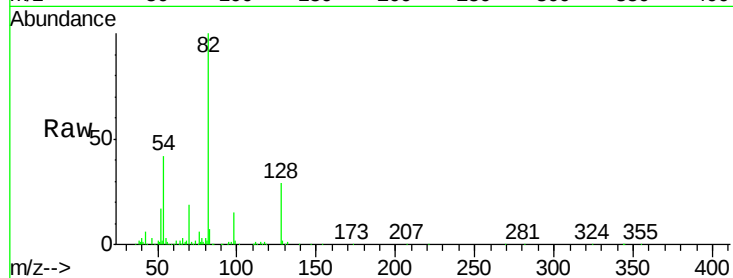
Tgt Ion: 82 Resp: 176803

Ion Ratio Lower Upper

82 100

128 29.1 23.4 35.0

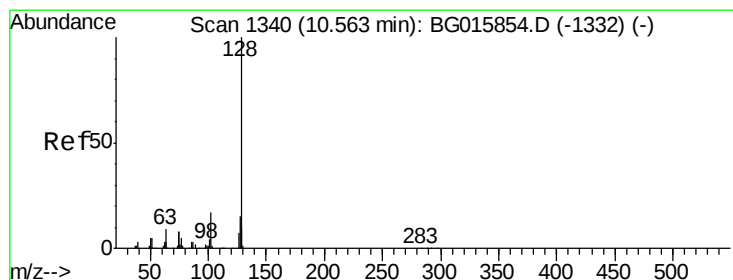
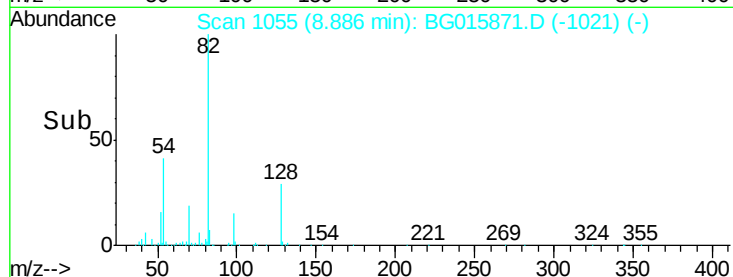
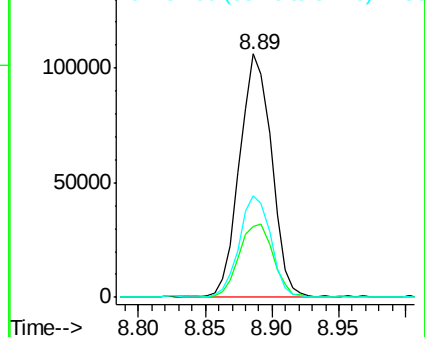
54 41.6 32.3 48.5



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#31

Naphthalene

Concen: 26.17 ng

RT: 10.57 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

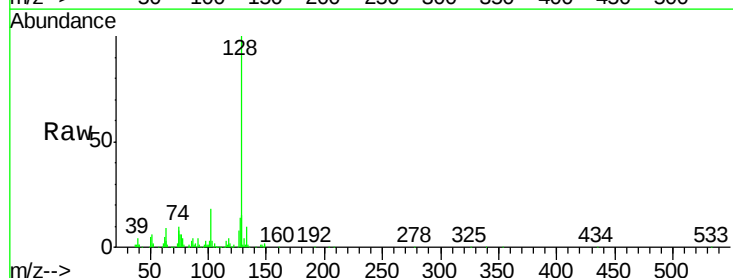
Tgt Ion: 128 Resp: 159367

Ion Ratio Lower Upper

128 100

129 15.2 9.4 14.2#

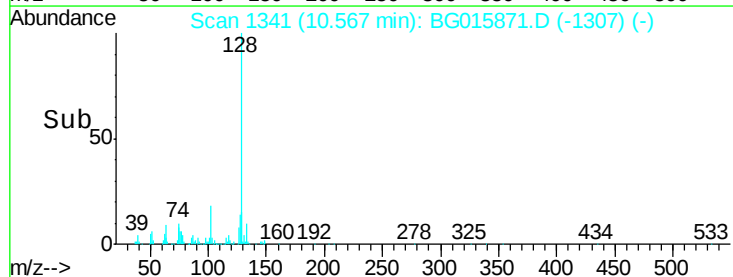
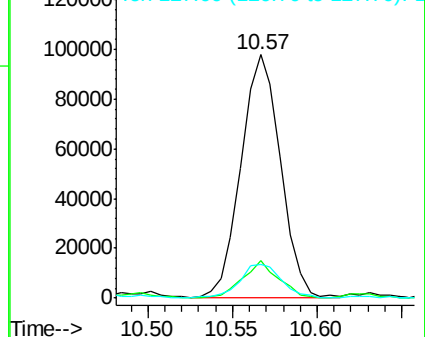
127 14.1 10.6 15.8

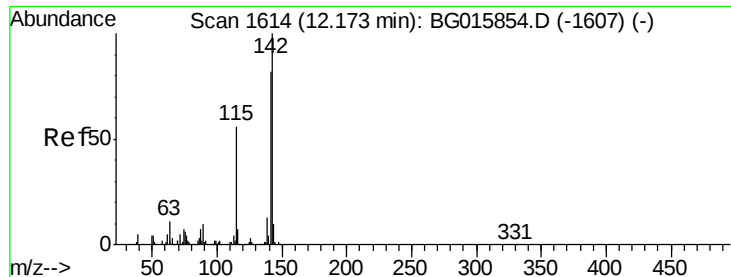


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

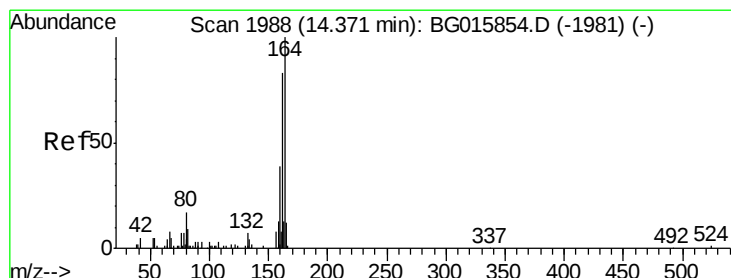
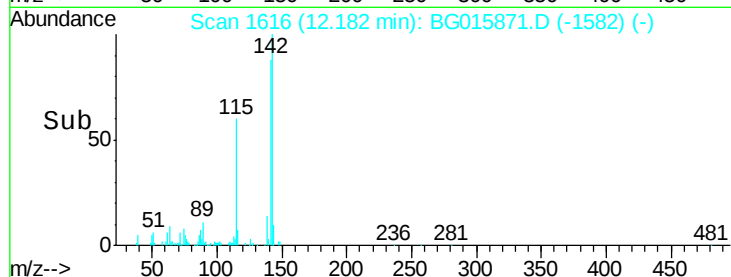
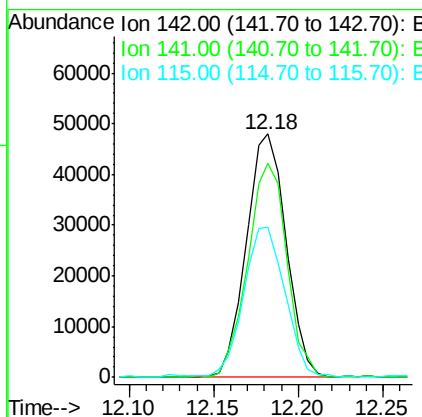
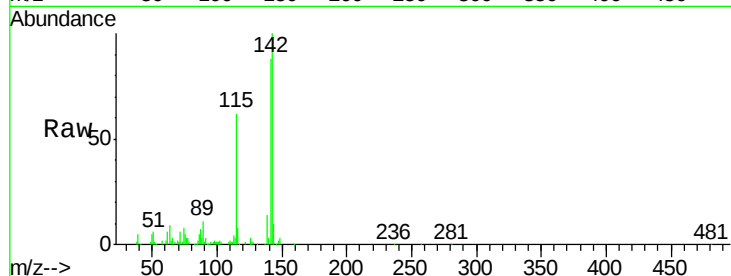




#37
2-Methylnaphthalene
Concen: 17.26 ng
RT: 12.18 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BG015871.D
Acq: 9 Jan 2015 16:03

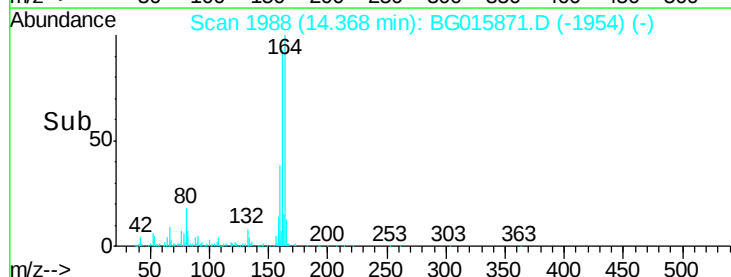
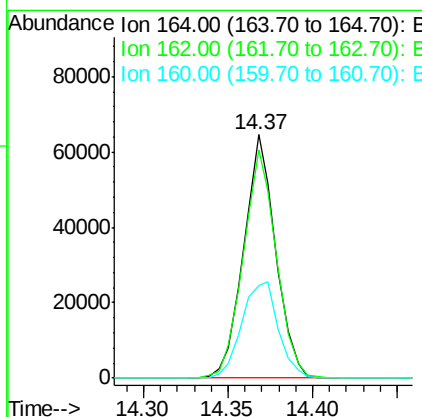
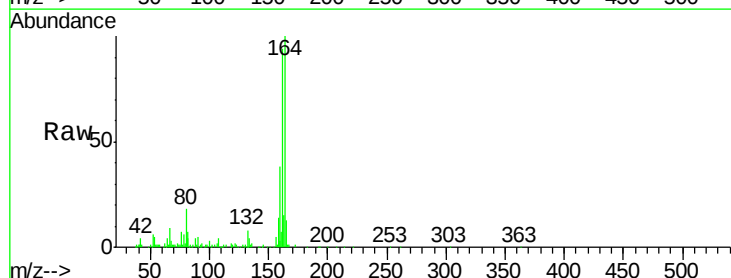
Instrument :
BNA_G
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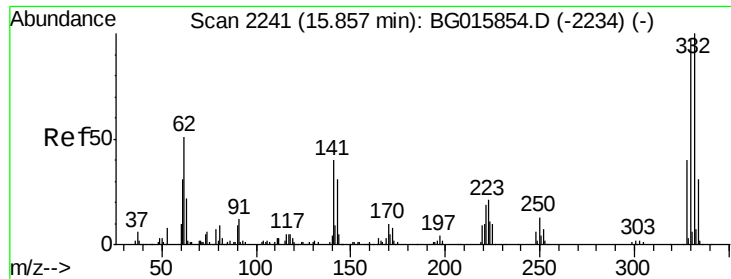
Tgt Ion:142 Resp: 78678
Ion Ratio Lower Upper
142 100
141 88.0 67.3 100.9
115 61.7 44.3 66.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.37 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BG015871.D
Acq: 9 Jan 2015 16:03

Tgt Ion:164 Resp: 84906
Ion Ratio Lower Upper
164 100
162 93.7 75.5 113.3
160 38.1 37.4 56.0

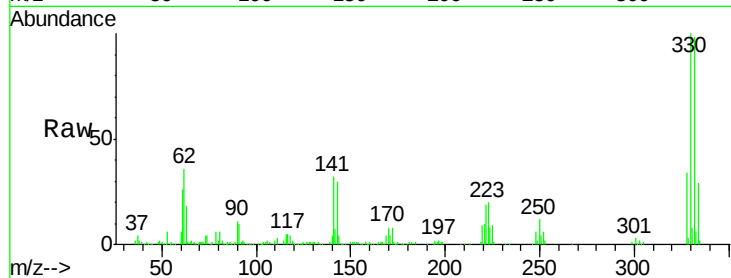




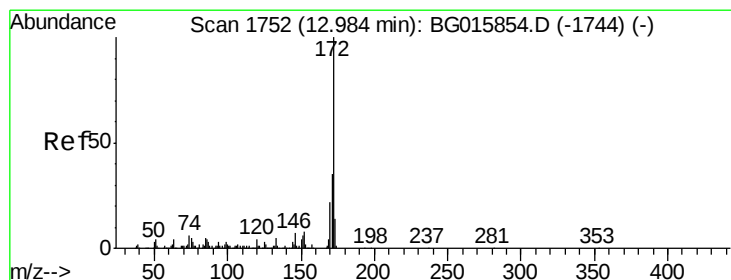
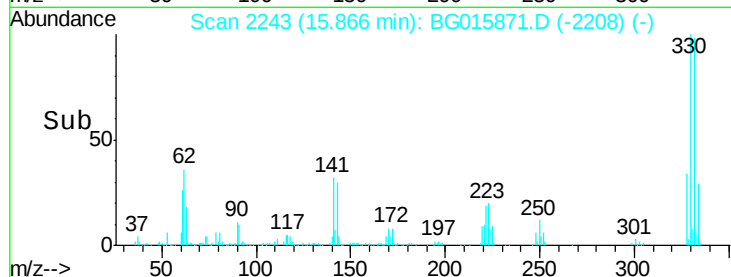
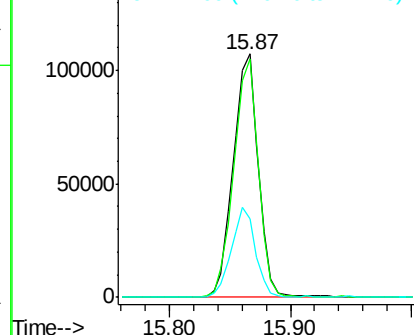
#41
 2,4,6-Tribromophenol
 Concen: 48.29 ng
 RT: 15.87 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BG015871.D
 Acq: 9 Jan 2015 16:03

Instrument :
 BNA_G
 ClientSampleId :
 LAR9762

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	73.8	110.8
141	35.4	27.2	40.8

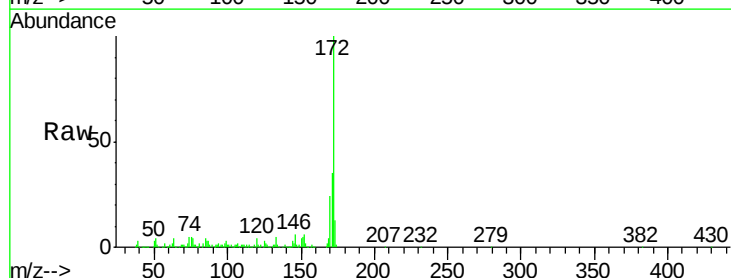


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

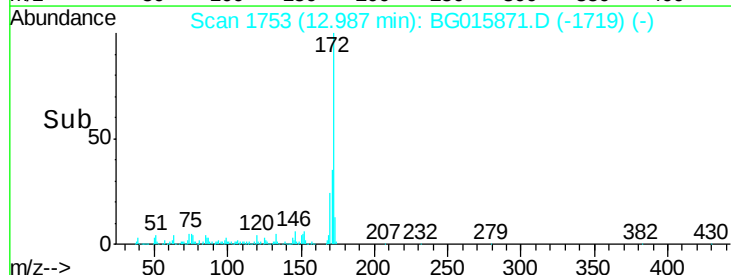
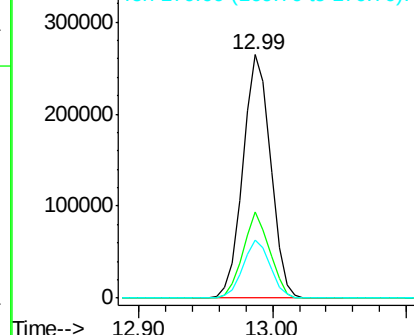


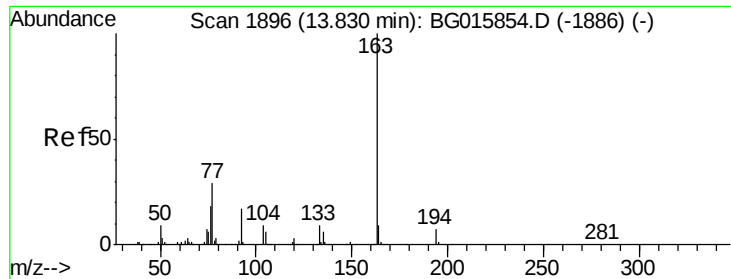
#44
 2-Fluorobiphenyl
 Concen: 31.86 ng
 RT: 12.99 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: BG015871.D
 Acq: 9 Jan 2015 16:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.9	18.2	27.4



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: 2.01 ng

RT: 13.83 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Instrument :

BNA_G

ClientSampleId :

LAR9762

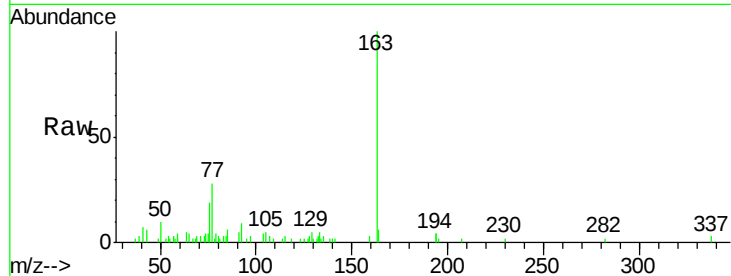
Tgt Ion:163 Resp: 12583

Ion Ratio Lower Upper

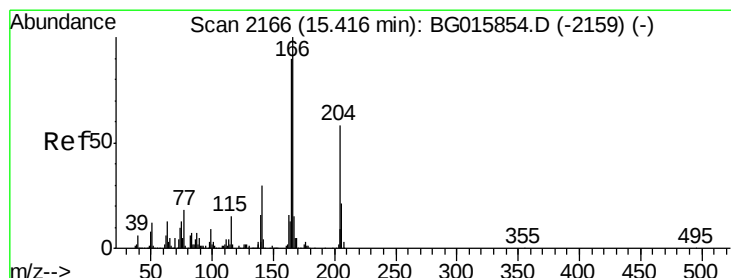
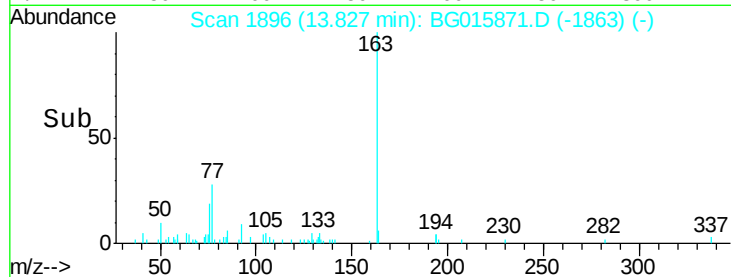
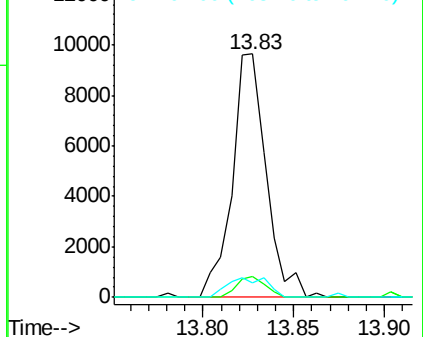
163 100

194 8.4 6.7 10.1

164 5.8 7.4 11.0#



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



#57

Fluorene

Concen: 2.50 ng

RT: 15.42 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

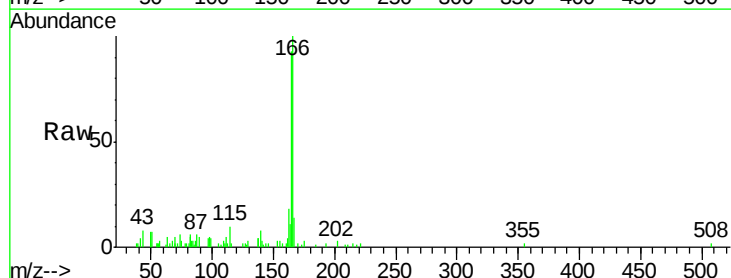
Tgt Ion:166 Resp: 16035

Ion Ratio Lower Upper

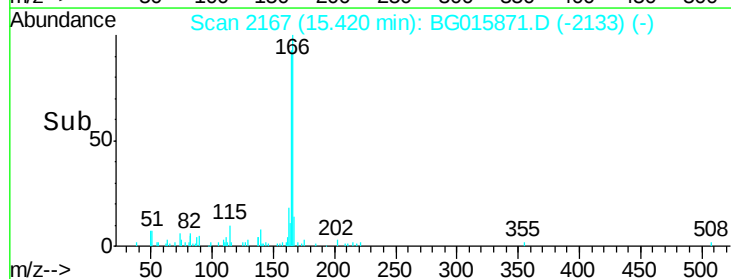
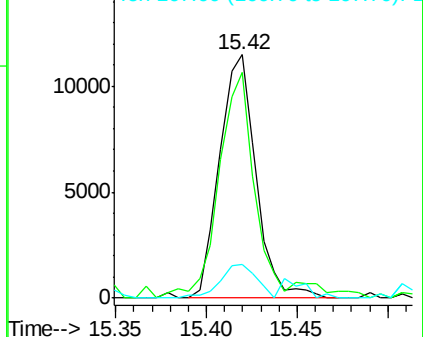
166 100

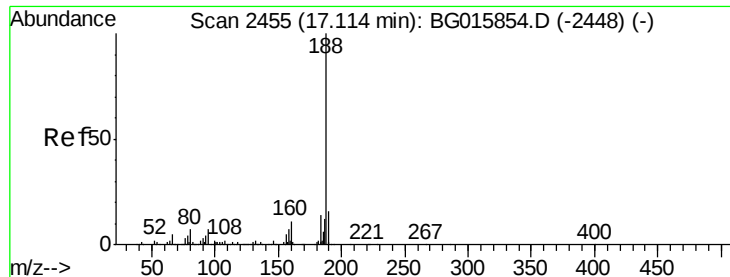
165 92.7 77.7 116.5

167 14.1 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.11 min Scan# 2455

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Instrument :

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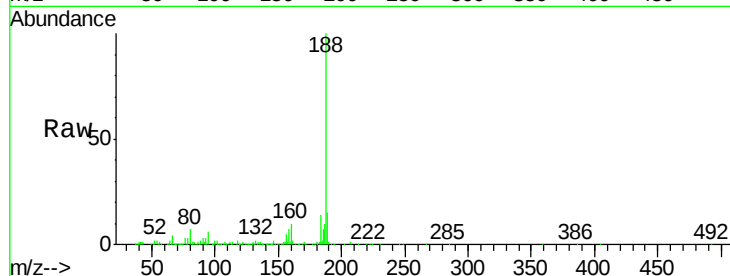
Tgt Ion:188 Resp: 204542

Ion Ratio Lower Upper

188 100

94 5.6 5.4 8.0

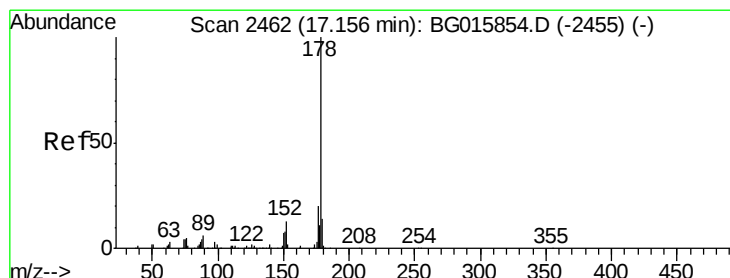
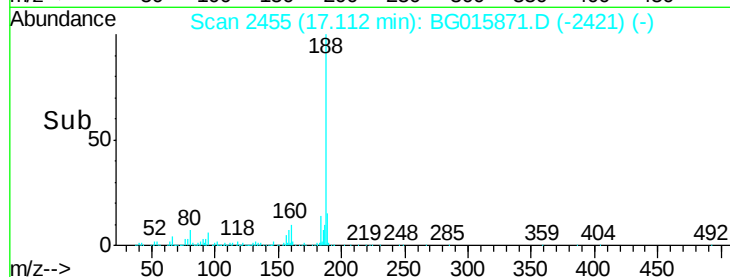
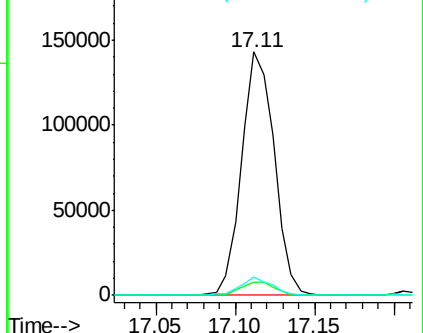
80 7.3 6.6 9.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#70

Phenanthrene

Concen: 14.09 ng

RT: 17.16 min Scan# 2463

Delta R.T. 0.01 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

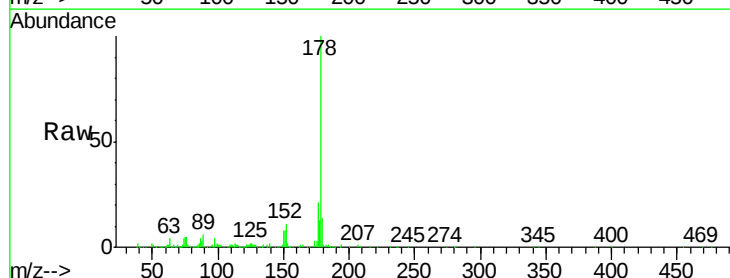
Tgt Ion:178 Resp: 153377

Ion Ratio Lower Upper

178 100

176 20.6 14.5 21.7

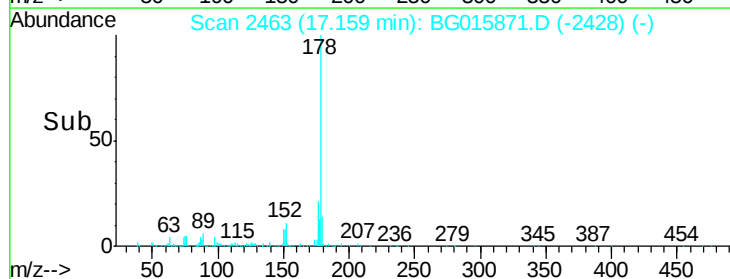
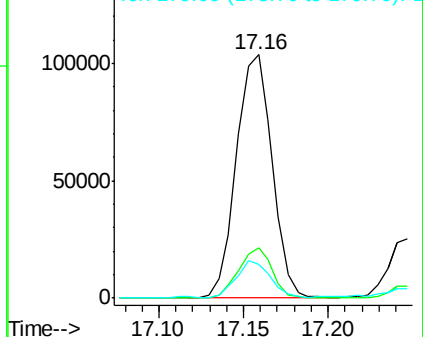
179 14.0 12.6 19.0

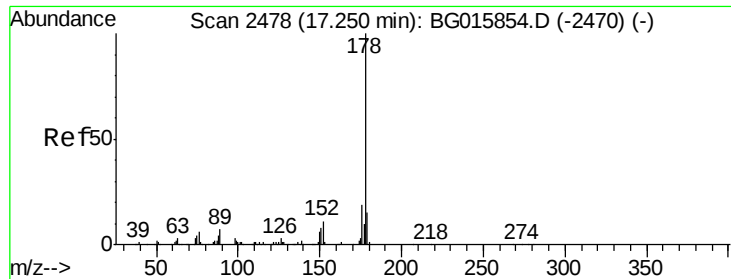


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.17 ng

RT: 17.25 min Scan# 2478

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Instrument :

BNA_G

ClientSampleId :

LAR9762

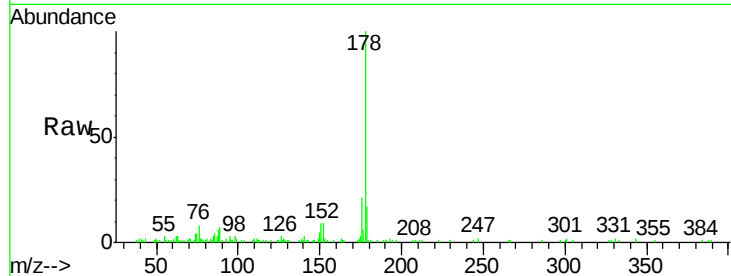
Tgt Ion:178 Resp: 34257

Ion Ratio Lower Upper

178 100

176 20.5 15.6 23.4

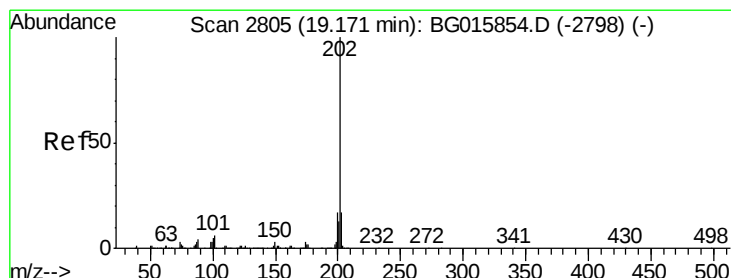
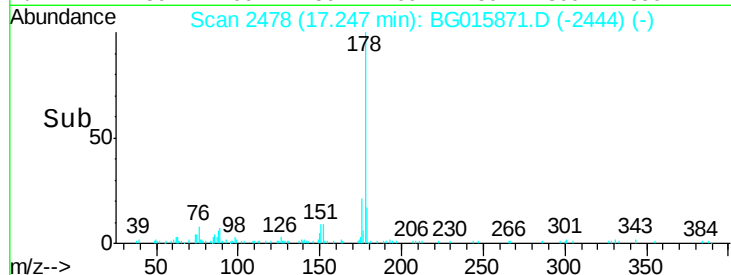
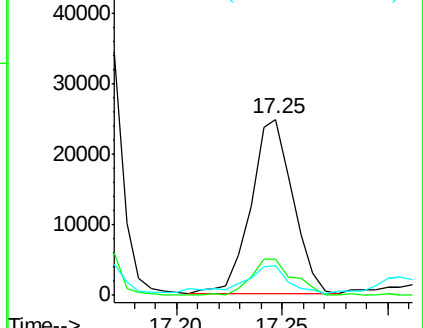
179 16.7 12.6 18.8



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: 10.97 ng

RT: 19.17 min Scan# 2806

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

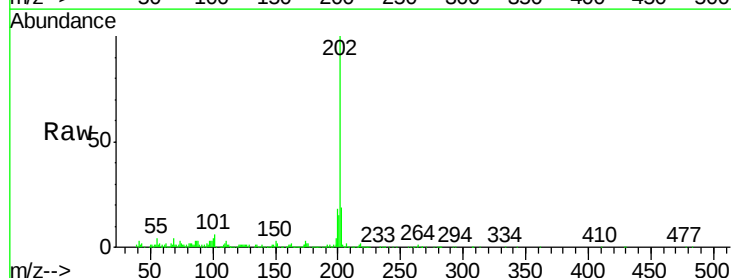
Tgt Ion:202 Resp: 180599

Ion Ratio Lower Upper

202 100

101 6.4 0.0 26.1

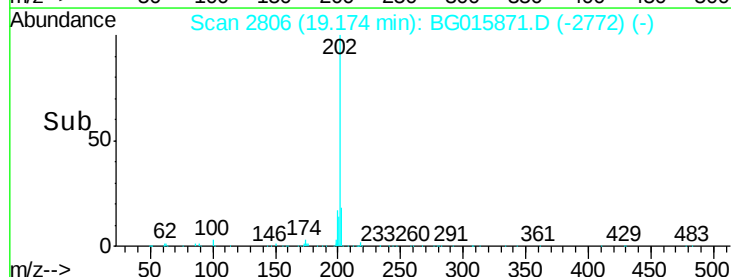
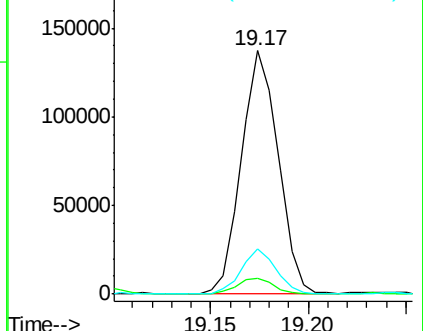
203 18.7 0.0 38.0

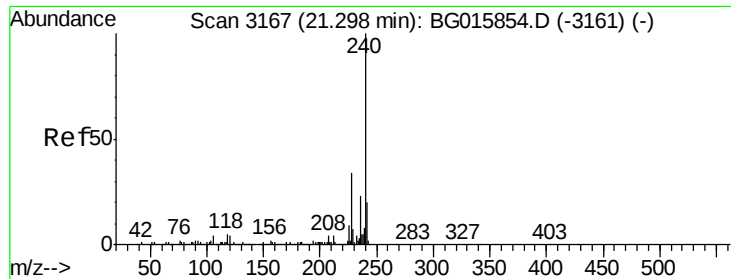


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.30 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Instrument :

BNA_G

ClientSampleId :

LAR9762

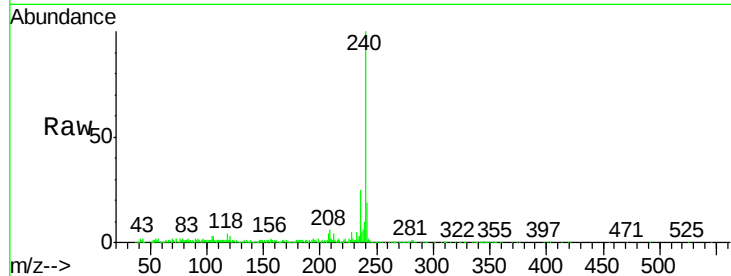
Tgt Ion:240 Resp: 270781

Ion Ratio Lower Upper

240 100

120 2.9 3.4 5.2#

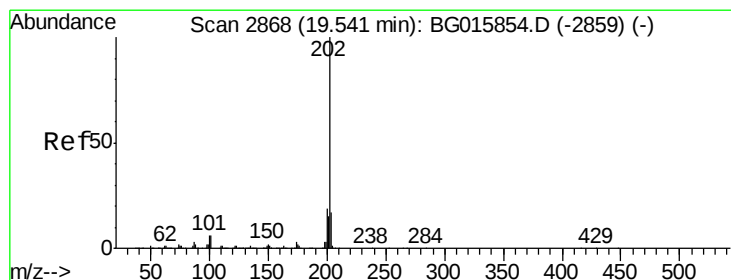
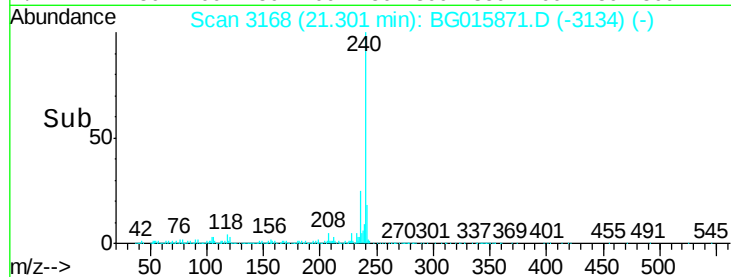
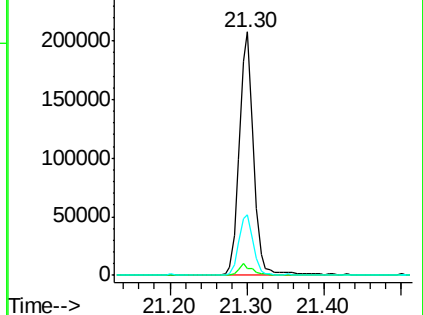
236 25.1 19.0 28.6



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: 12.14 ng

RT: 19.54 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

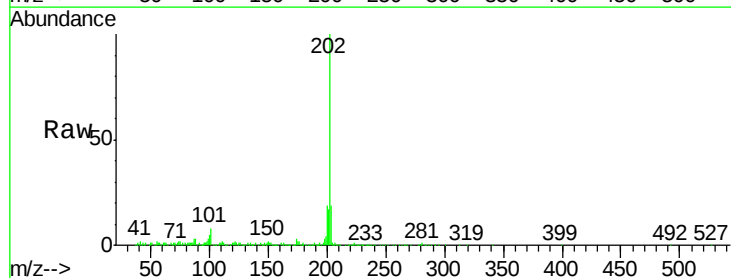
Tgt Ion:202 Resp: 175822

Ion Ratio Lower Upper

202 100

200 19.3 15.1 22.7

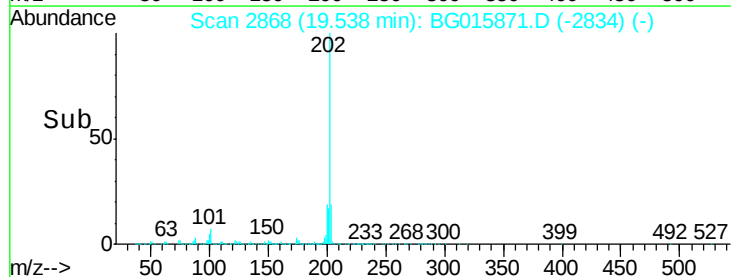
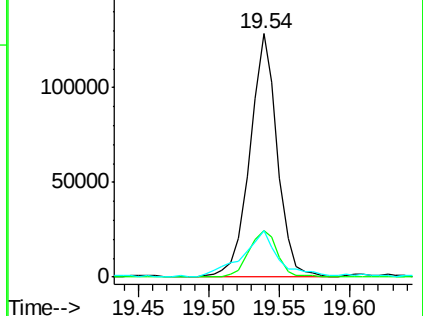
203 18.9 14.2 21.4

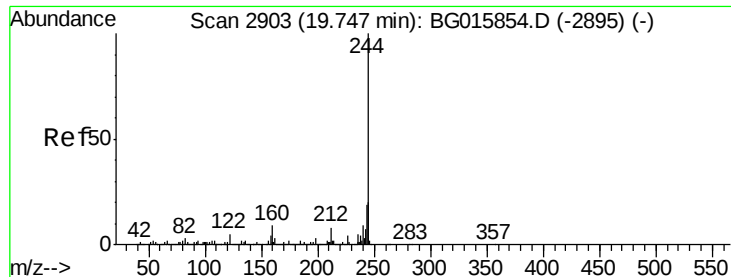


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 30.96 ng

RT: 19.74 min Scan# 2903

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Instrument :

BNA_G

ClientSampleId :

LAR9762

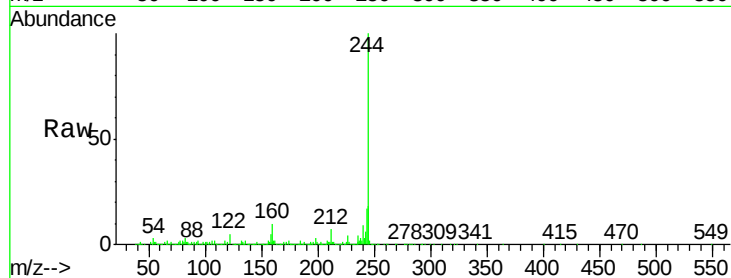
Tgt Ion:244 Resp: 750232

Ion Ratio Lower Upper

244 100

212 7.5 6.6 9.8

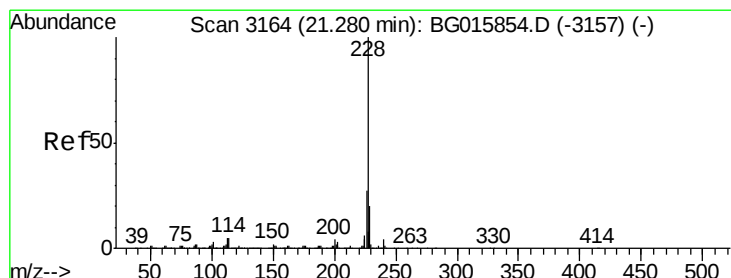
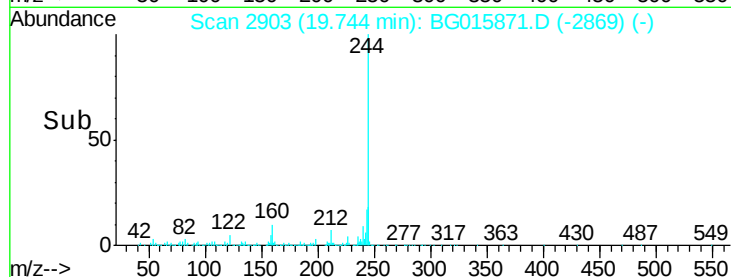
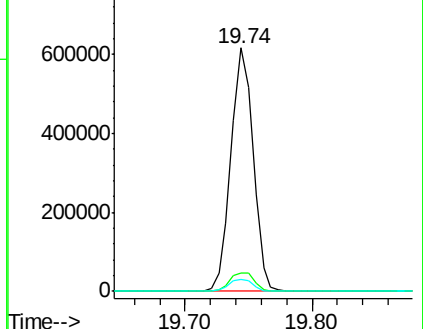
122 4.9 4.7 7.1



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: 5.20 ng

RT: 21.28 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

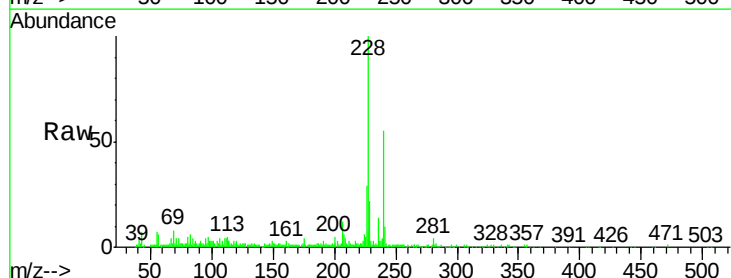
Tgt Ion:228 Resp: 83624

Ion Ratio Lower Upper

228 100

226 28.5 21.4 32.2

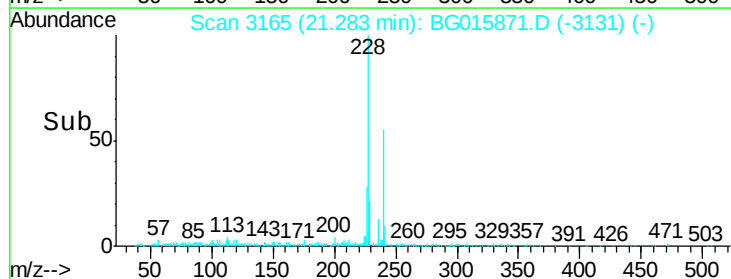
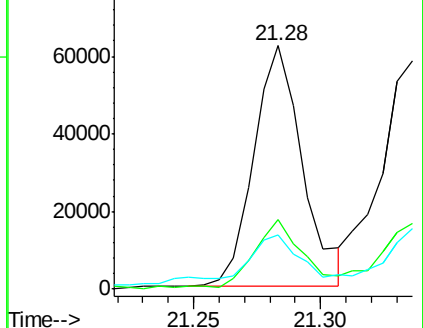
229 22.1 16.8 25.2

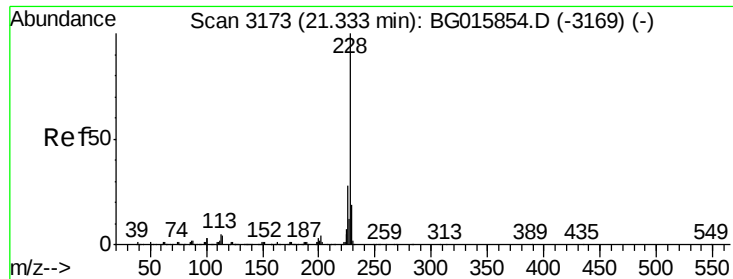


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.82 ng m

RT: 21.34 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Instrument :

BNA_G

ClientSampleId :

LAR9762

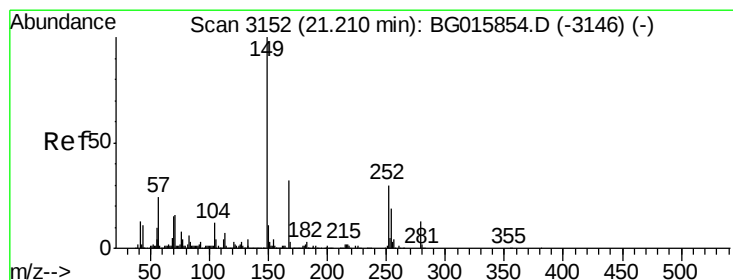
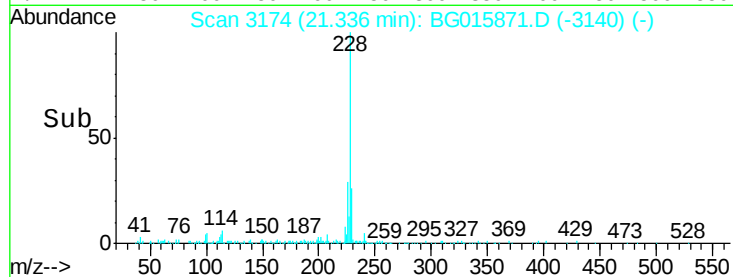
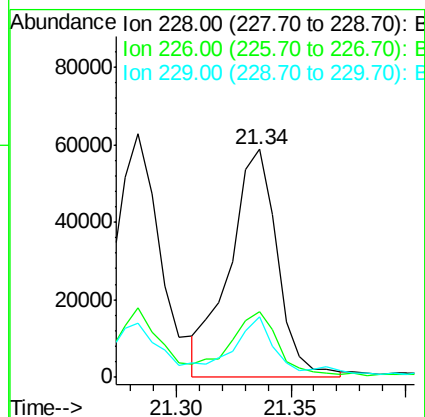
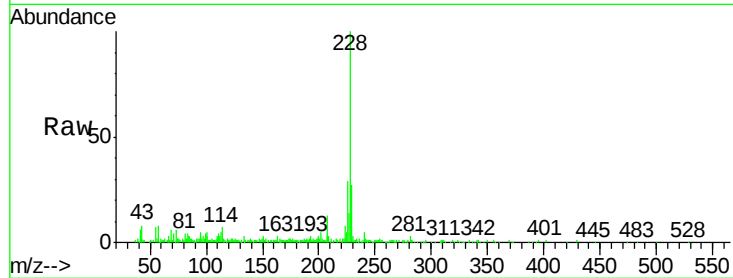
Tgt Ion:228 Resp: 85966

Ion Ratio Lower Upper

228 100

226 28.5 22.5 33.7

229 26.7 15.8 23.6#



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.32 ng

RT: 21.21 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

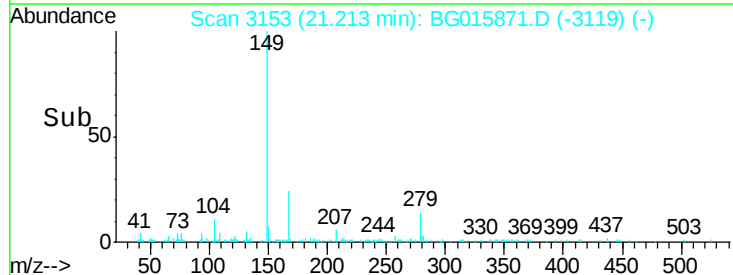
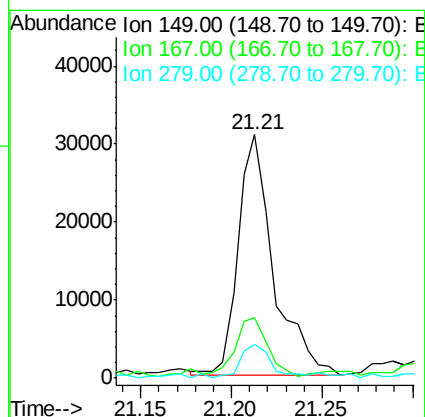
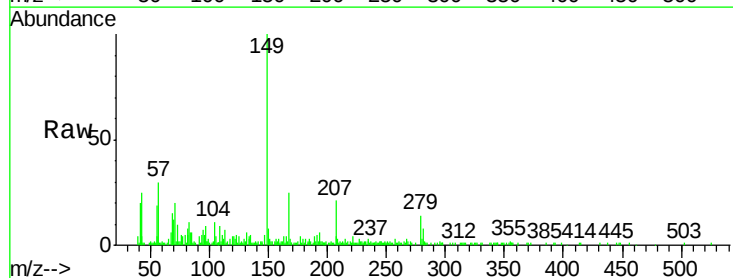
Tgt Ion:149 Resp: 41971

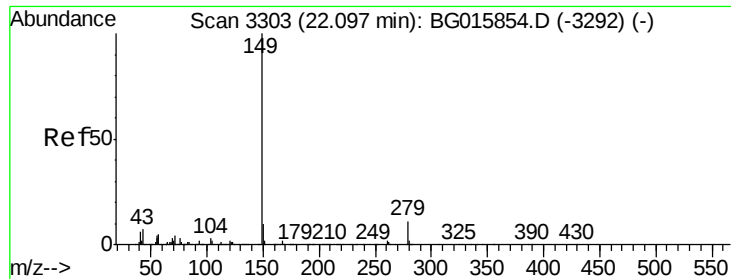
Ion Ratio Lower Upper

149 100

167 24.8 26.2 39.2#

279 13.8 10.5 15.7

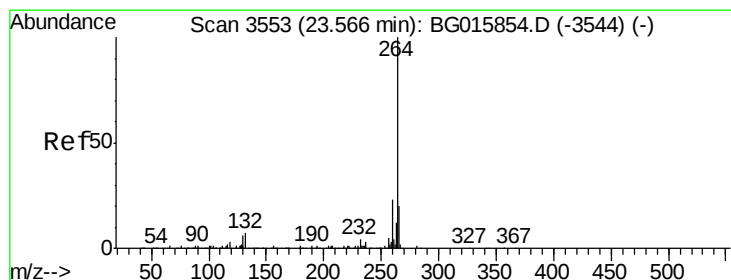
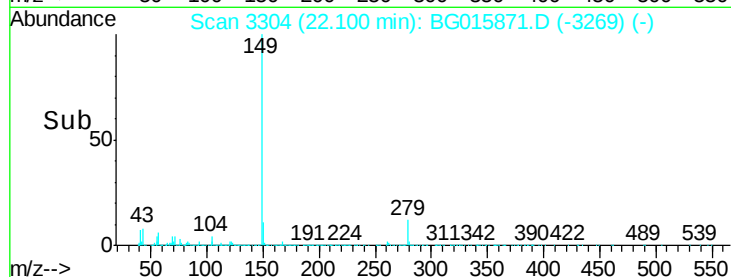
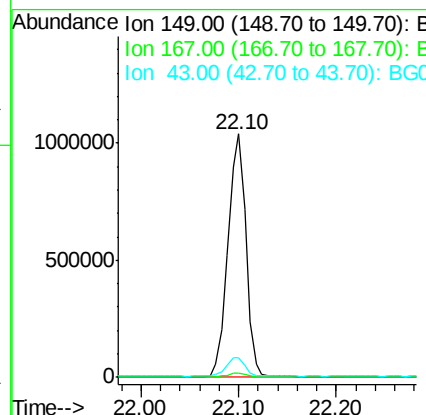
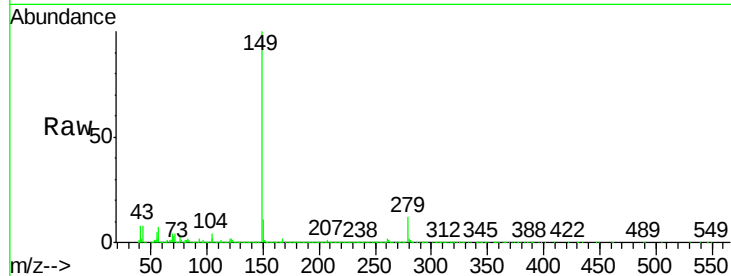




#84
Di-n-octyl phthalate
Concen: 103.52 ng
RT: 22.10 min Scan# 3304
Delta R.T. 0.01 min
Lab File: BG015871.D
Acq: 9 Jan 2015 16:03

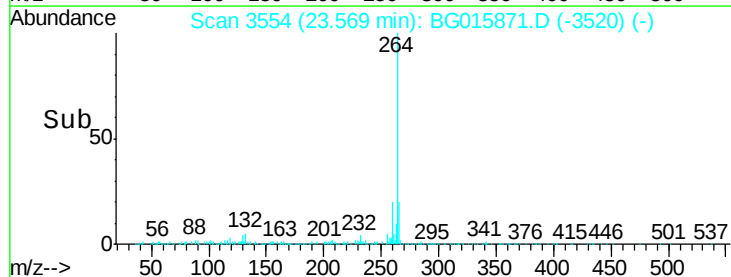
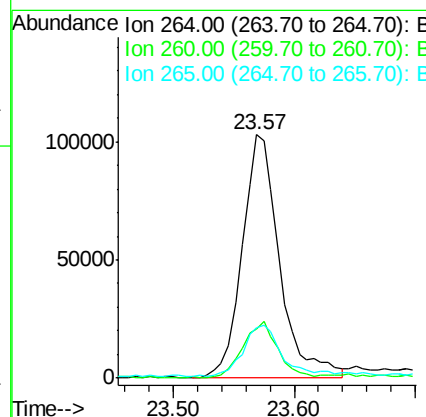
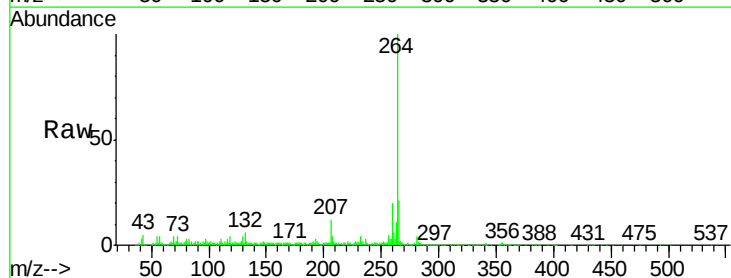
Instrument :
BNA_G
ClientSampleId :
LAR9762

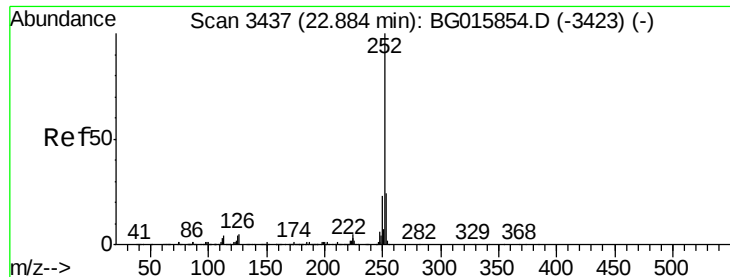
Tgt Ion:149 Resp: 1329475
Ion Ratio Lower Upper
149 100
167 1.9 1.6 2.4
43 8.1 5.9 8.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.57 min Scan# 3554
Delta R.T. 0.00 min
Lab File: BG015871.D
Acq: 9 Jan 2015 16:03

Tgt Ion:264 Resp: 220263
Ion Ratio Lower Upper
264 100
260 20.3 17.0 25.4
265 20.9 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 5.36 ng m

RT: 22.89 min Scan# 3438

Delta R.T. 0.01 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Instrument :

BNA_G

ClientSampleId :

LAR9762

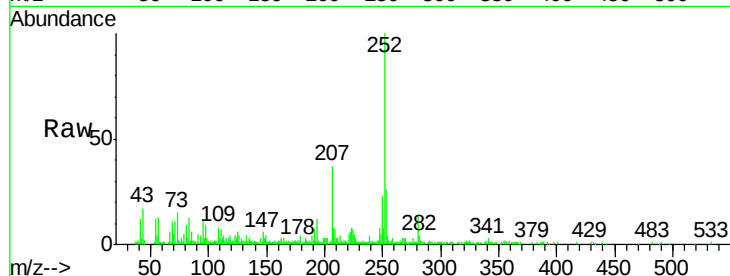
Tgt Ion:252 Resp: 73712

Ion Ratio Lower Upper

252 100

253 26.2 17.8 26.8

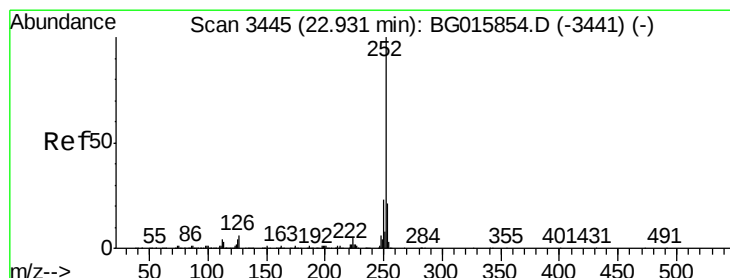
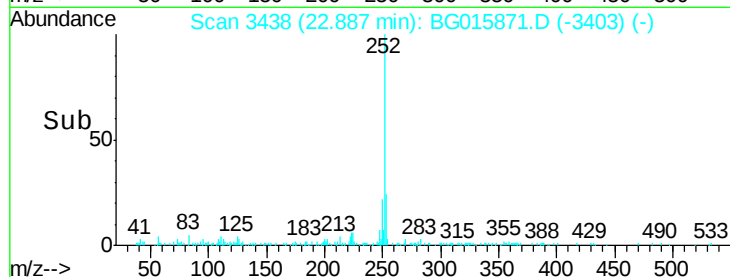
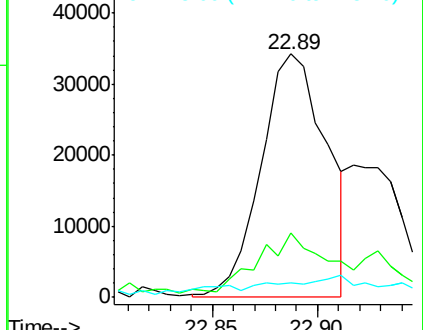
125 5.7 3.6 5.4#



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: 2.68 ng m

RT: 22.92 min Scan# 3443

Delta R.T. -0.01 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

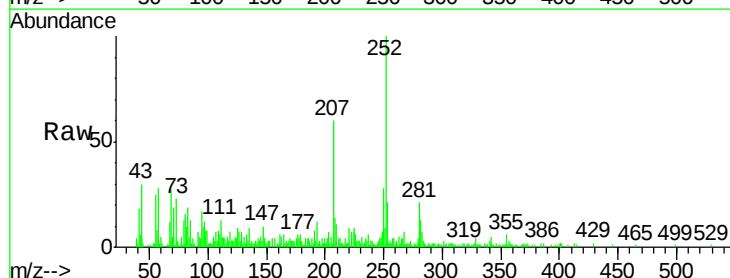
Tgt Ion:252 Resp: 35463

Ion Ratio Lower Upper

252 100

253 20.7 18.2 27.2

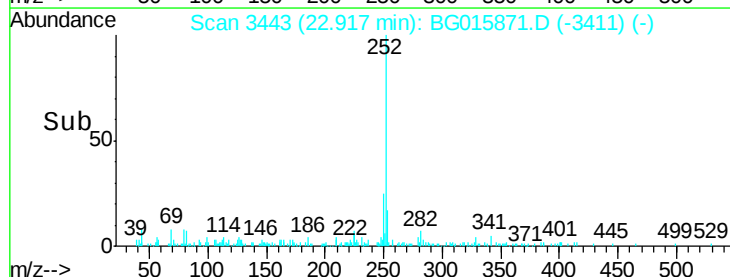
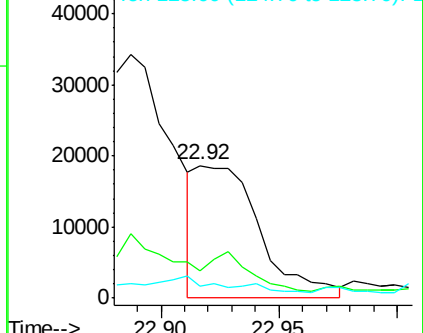
125 9.0 3.0 4.6#

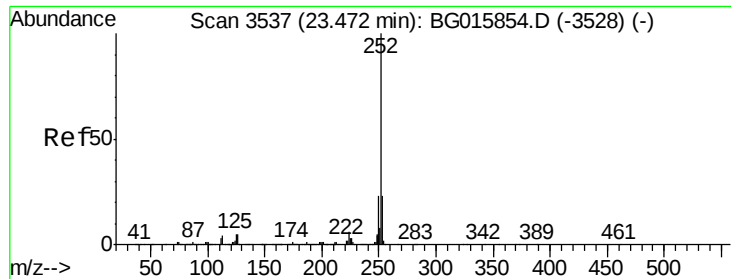


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.85 ng

RT: 23.47 min Scan# 3537

Delta R.T. 0.00 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

Instrument :

BNA_G

ClientSampleId :

LAR9762

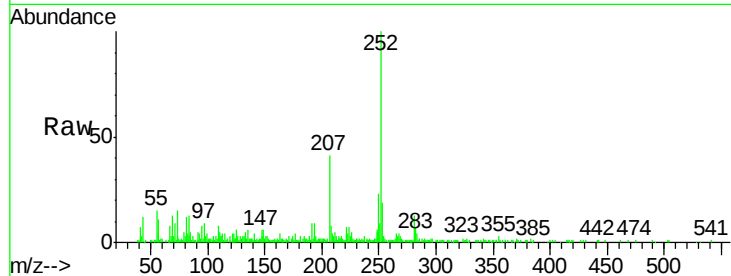
Tgt Ion:252 Resp: 60034

Ion Ratio Lower Upper

252 100

253 19.2 17.9 26.9

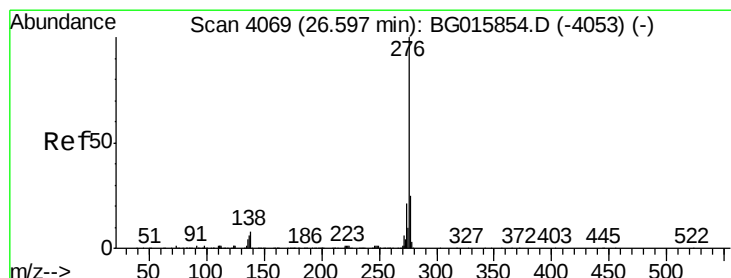
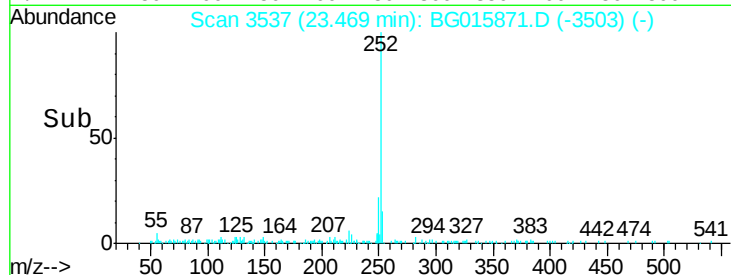
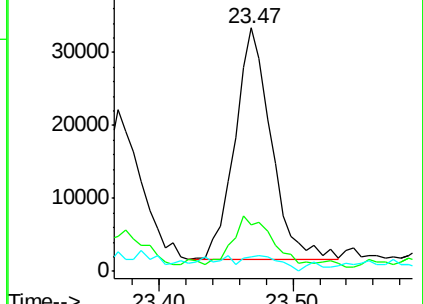
125 5.8 3.7 5.5#



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: 2.20 ng

RT: 26.58 min Scan# 4067

Delta R.T. -0.01 min

Lab File: BG015871.D

Acq: 9 Jan 2015 16:03

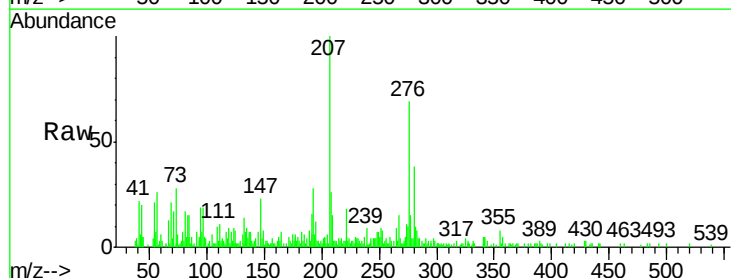
Tgt Ion:276 Resp: 26669

Ion Ratio Lower Upper

276 100

277 21.7 18.2 27.2

138 19.5 6.4 9.6#



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

