

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010915\
 Data File : BG015873.D
 Acq On : 9 Jan 2015 17:12
 Operator : TP/IZ
 Sample : G1041-01DL 2X
 Misc : W
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LAR9762DL

Quant Time: Jan 09 17:54:02 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

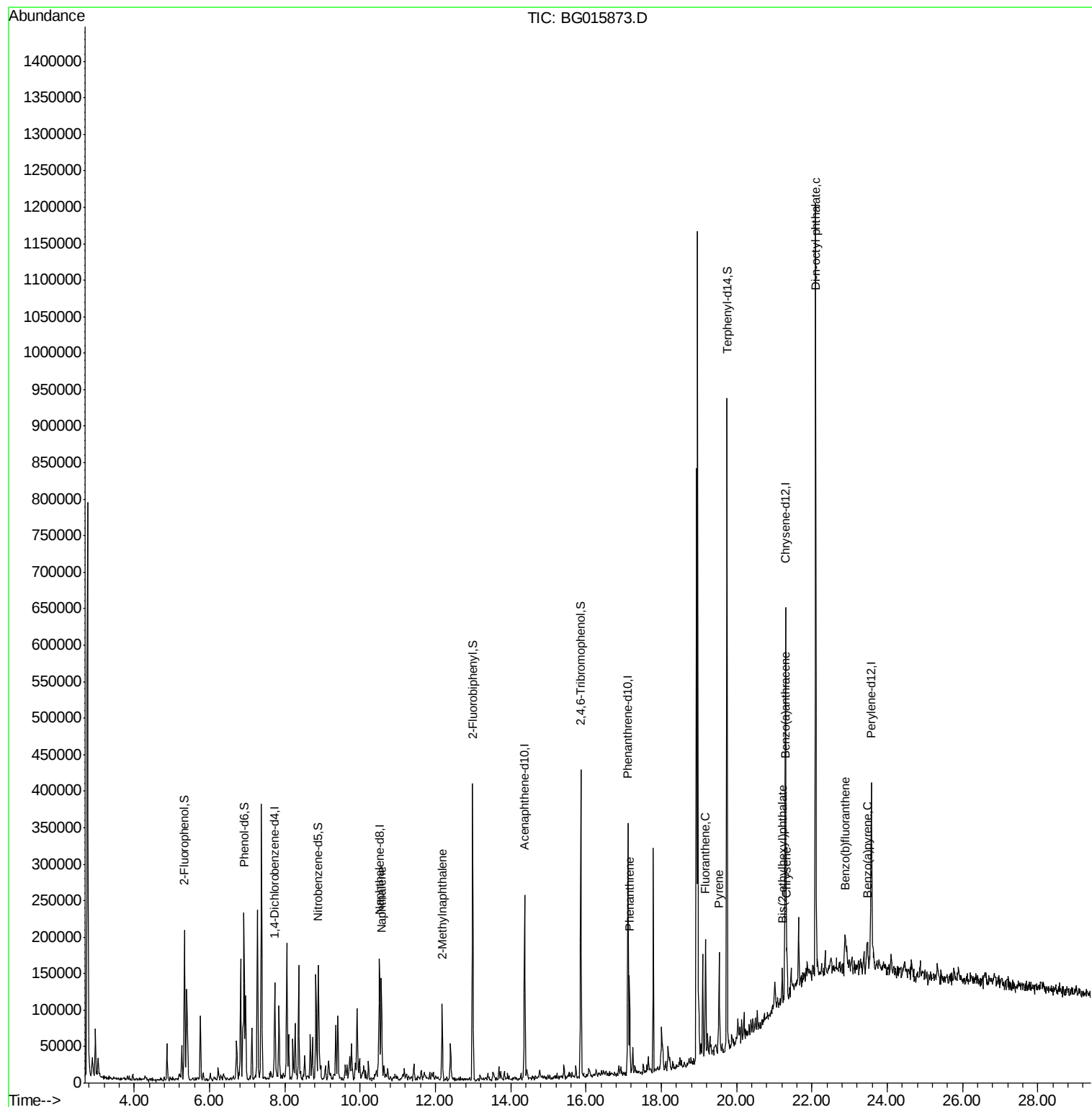
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	30425	20.00	ng	0.00
21) Naphthalene-d8	10.52	136	107672	20.00	ng	0.00
38) Acenaphthene-d10	14.37	164	81782	20.00	ng	0.00
63) Phenanthrene-d10	17.12	188	193026	20.00	ng	0.00
75) Chrysene-d12	21.30	240	265698	20.00	ng	0.00
86) Perylene-d12	23.58	264	217877	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	84314	23.83	ng	0.00
7) Phenol-d6	6.92	99	118900	24.13	ng	0.00
23) Nitrobenzene-d5	8.89	82	85130	15.51	ng	0.00
41) 2,4,6-Tribromophenol	15.86	330	74216	23.87	ng	0.00
44) 2-Fluorobiphenyl	12.99	172	184924	16.15	ng	0.00
78) Terphenyl-d14	19.74	244	369720	15.55	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.57	128	76221	13.37	ng	99
37) 2-Methylnaphthalene	12.18	142	39581	9.27	ng	95
70) Phenanthrene	17.16	178	74900	7.29	ng	97
74) Fluoranthene	19.17	202	89351	5.75	ng	96
77) Pyrene	19.54	202	87962	6.19	ng	98
80) Benzo(a)anthracene	21.28	228	44463	2.82	ng	92
82) Chrysene	21.34	228	38120	2.63	ng	97
83) Bis(2-ethylhexyl)phthalate	21.21	149	17159	2.22	ng	# 90
84) Di-n-octyl phthalate	22.10	149	658287	52.24	ng	99
87) Benzo(b)fluoranthene	22.89	252	36730	2.70	ng	# 97
89) Benzo(a)pyrene	23.48	252	28631	2.34	ng	# 94

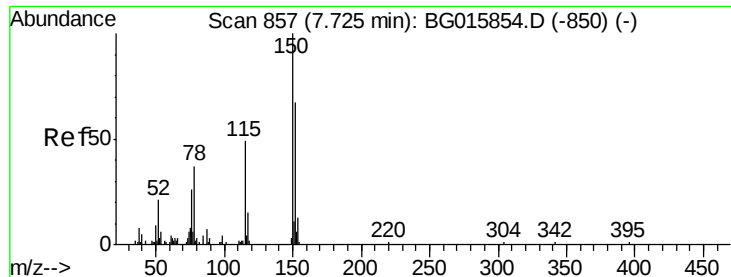
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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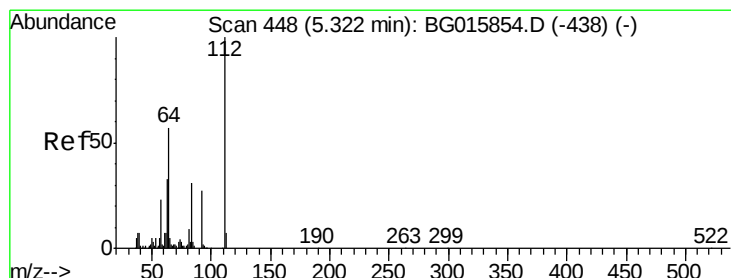
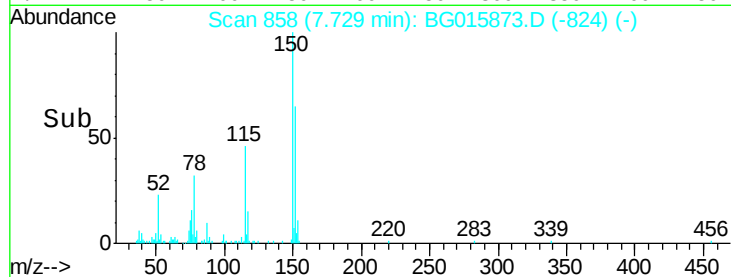
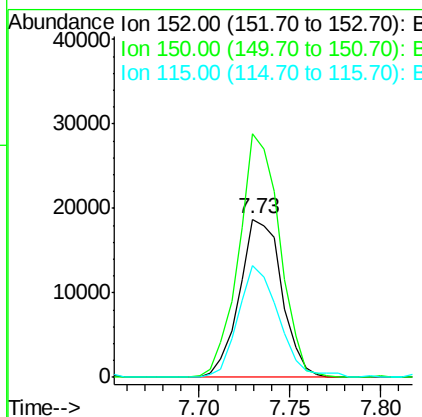
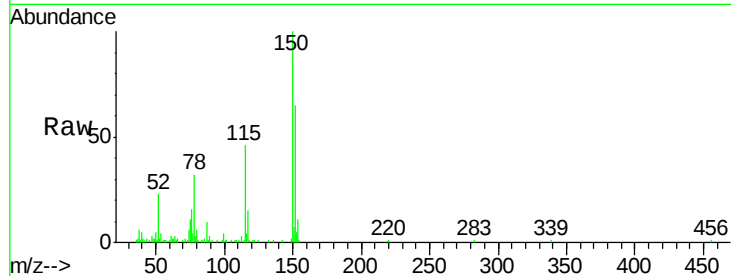


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.73 min Scan# 858
Delta R.T. 0.00 min
Lab File: BG015873.D
Acq: 9 Jan 2015 17:12

Instrument :
BNA_G
ClientSampleId :
LAR9762DL

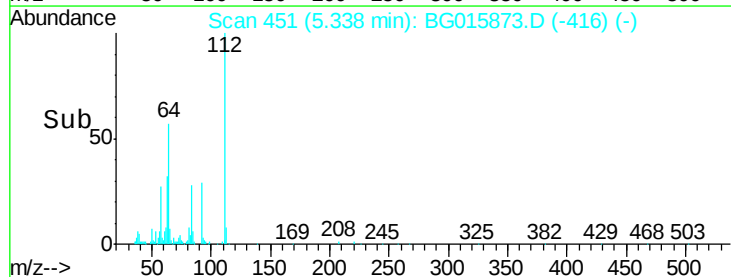
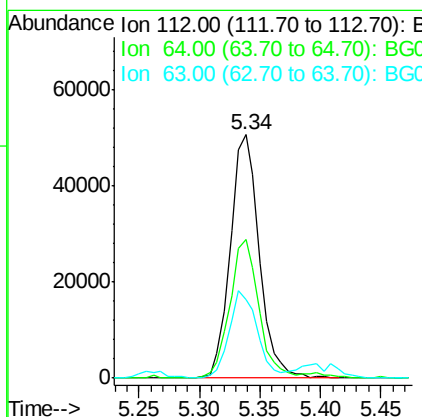
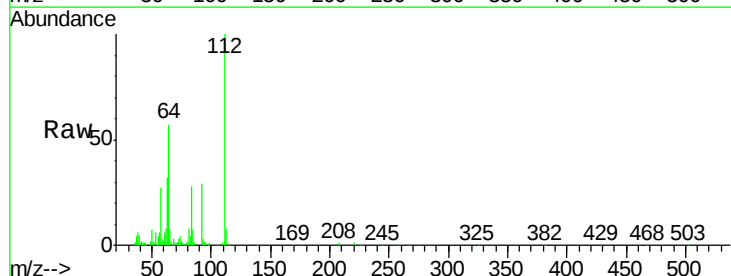
Tgt Ion:152 Resp: 30425
Ion Ratio Lower Upper
152 100
150 153.8 120.5 180.7
115 70.9 54.0 81.0

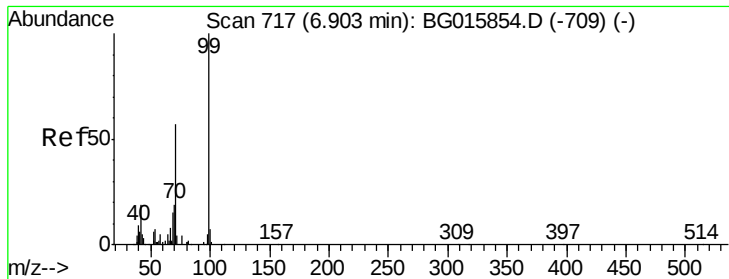


#5

2-Fluorophenol
Concen: 23.83 ng
RT: 5.34 min Scan# 451
Delta R.T. 0.01 min
Lab File: BG015873.D
Acq: 9 Jan 2015 17:12

Tgt Ion:112 Resp: 84314
Ion Ratio Lower Upper
112 100
64 57.1 46.8 70.2
63 32.0 30.6 45.8





#7

Phenol-d6

Concen: 24.13 ng

RT: 6.92 min Scan# 720

Delta R.T. 0.01 min

Lab File: BG015873.D

Acq: 9 Jan 2015 17:12

Instrument :

BNA_G

ClientSampleId :

LAR9762DL

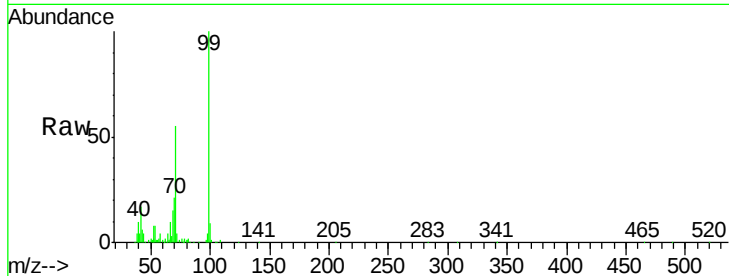
Tgt Ion: 99 Resp: 118900

Ion Ratio Lower Upper

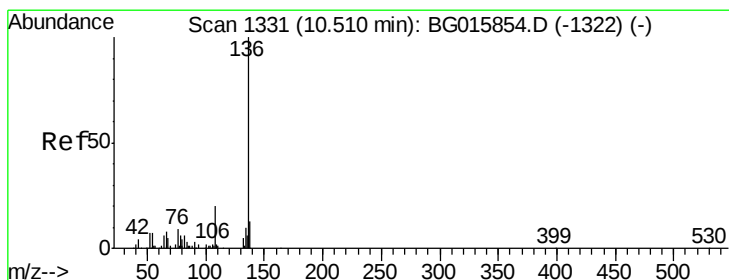
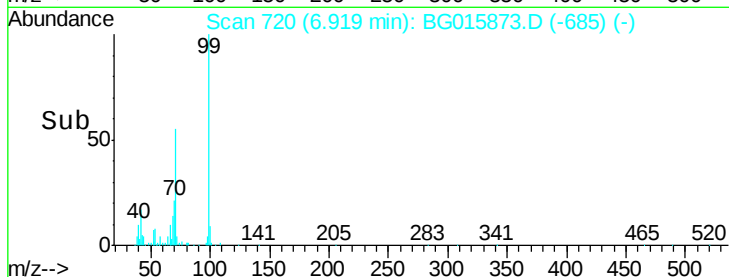
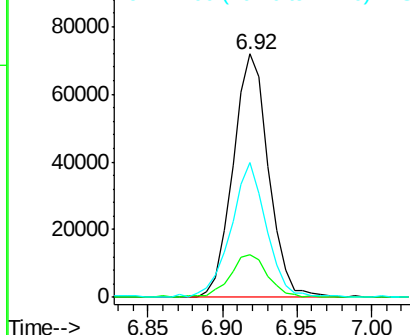
99 100

42 17.5 13.8 20.8

71 55.4 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: 10.52 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BG015873.D

Acq: 9 Jan 2015 17:12

Tgt Ion: 136 Resp: 107672

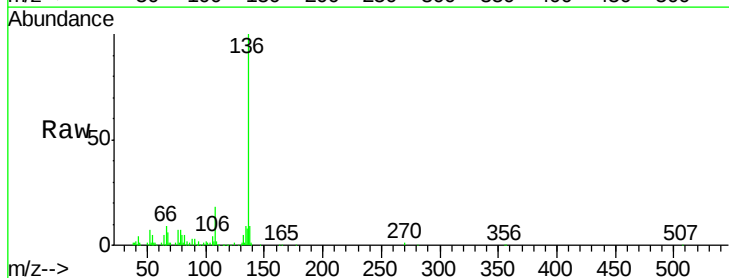
Ion Ratio Lower Upper

136 100

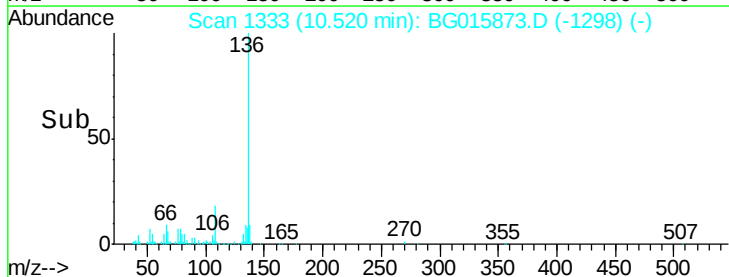
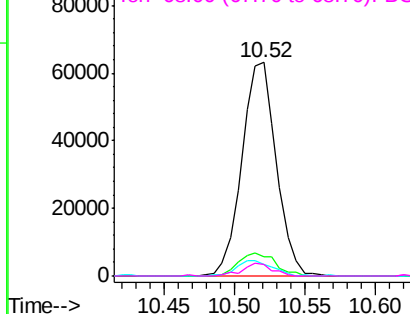
137 9.0 9.6 14.4#

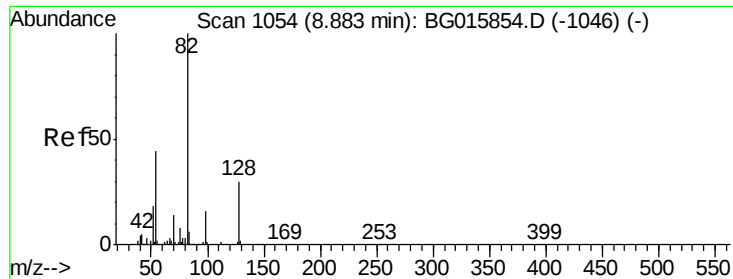
54 5.7 4.5 6.7

68 5.6 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: 15.51 ng

RT: 8.89 min Scan# 1055

Delta R.T. 0.00 min

Lab File: BG015873.D

Acq: 9 Jan 2015 17:12

Instrument :

BNA_G

ClientSampleId :

LAR9762DL

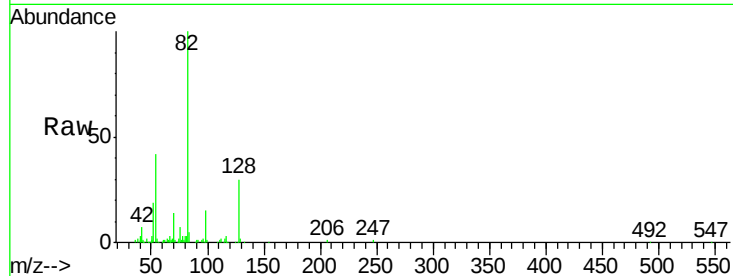
Tgt Ion: 82 Resp: 85130

Ion Ratio Lower Upper

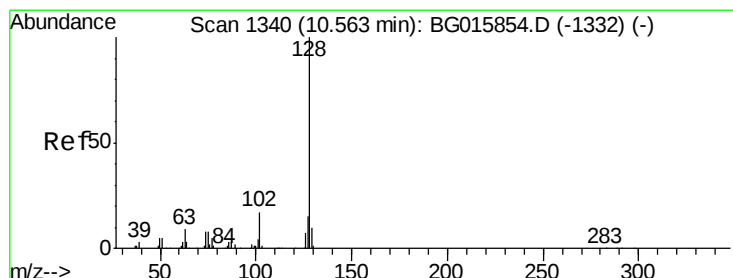
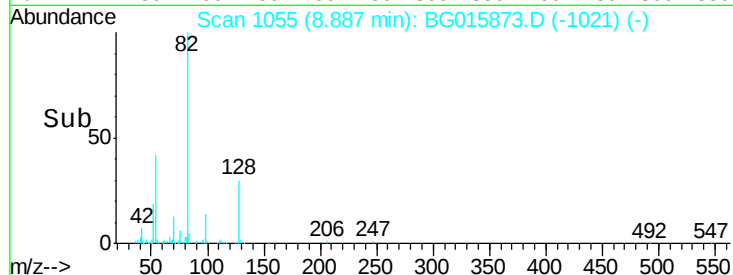
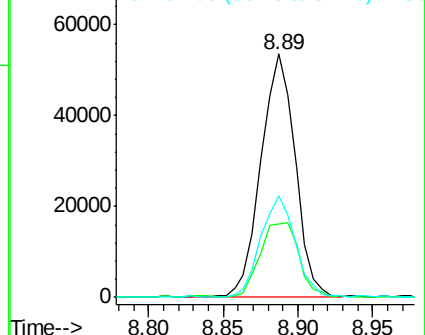
82 100

128 30.3 23.4 35.0

54 41.7 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: 13.37 ng

RT: 10.57 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BG015873.D

Acq: 9 Jan 2015 17:12

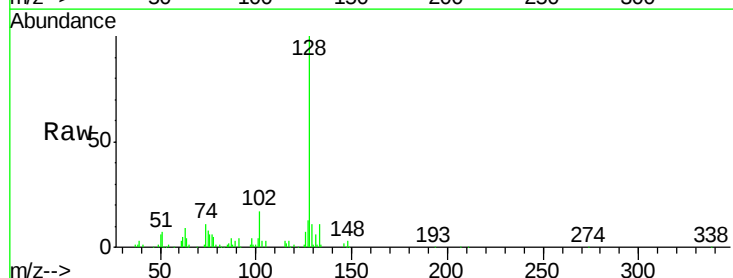
Tgt Ion: 128 Resp: 76221

Ion Ratio Lower Upper

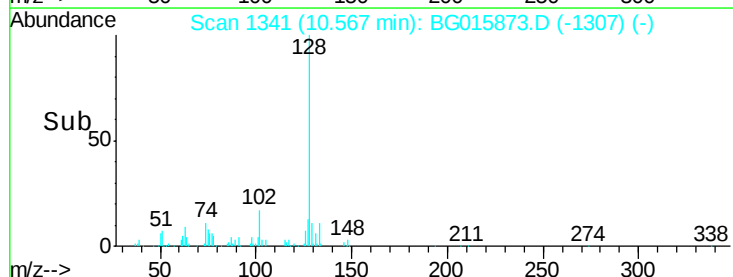
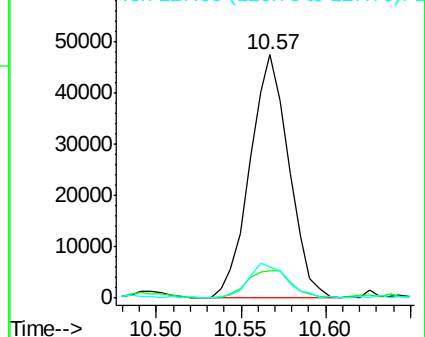
128 100

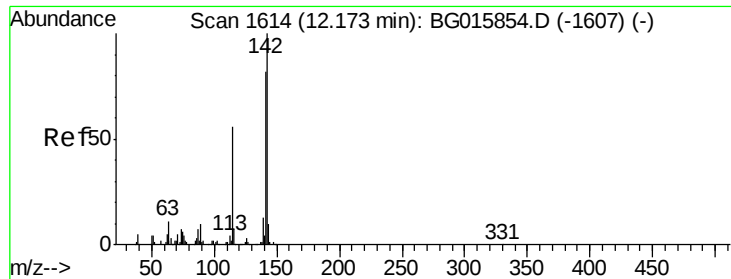
129 11.3 9.4 14.2

127 12.6 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

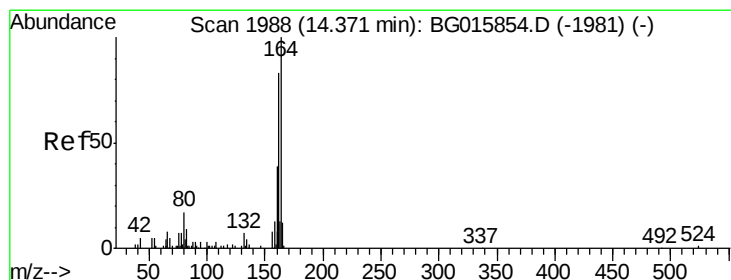
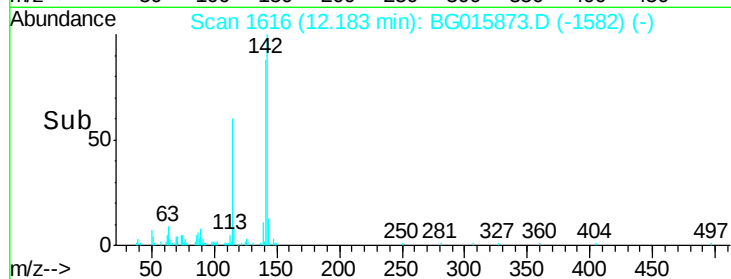
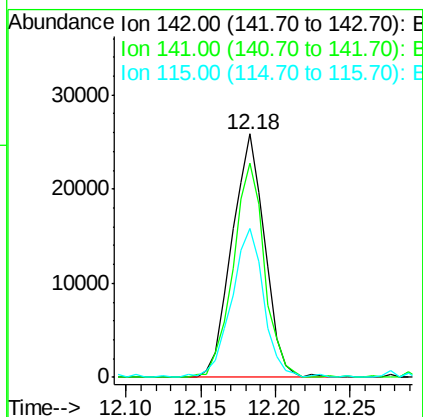
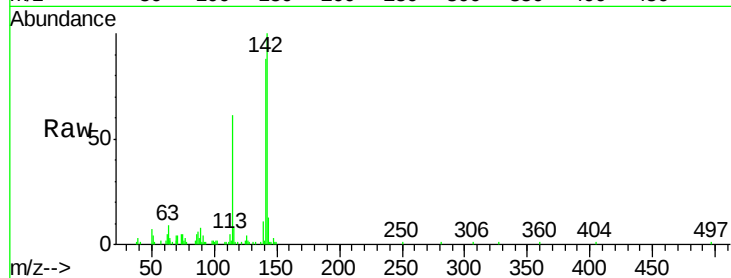




#37
2-Methylnaphthalene
Concen: 9.27 ng
RT: 12.18 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BG015873.D
Acq: 9 Jan 2015 17:12

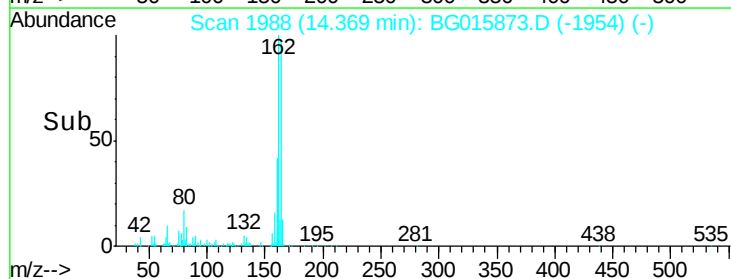
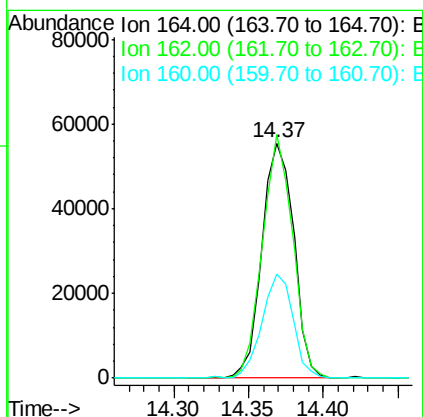
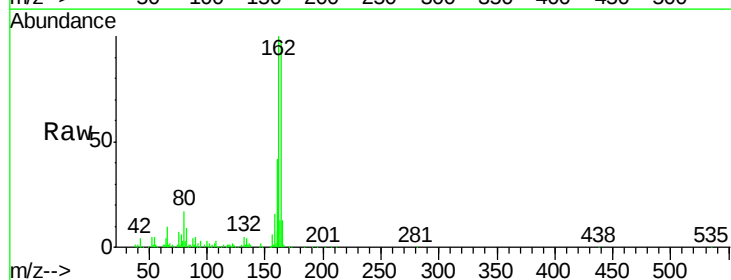
Instrument :
BNA_G
ClientSampleId :
LAR9762DL

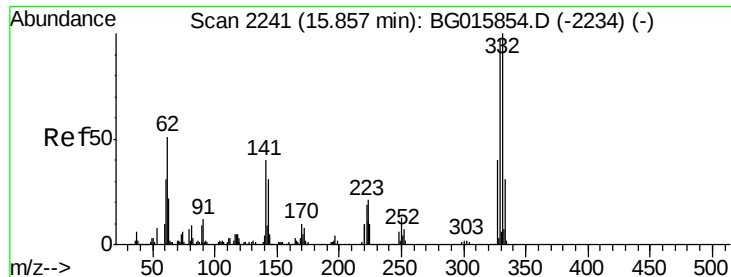
Tgt Ion:142 Resp: 39581
Ion Ratio Lower Upper
142 100
141 87.8 67.3 100.9
115 60.9 44.3 66.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.37 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BG015873.D
Acq: 9 Jan 2015 17:12

Tgt Ion:164 Resp: 81782
Ion Ratio Lower Upper
164 100
162 103.6 75.5 113.3
160 44.0 37.4 56.0





#41

2,4,6-Tribromophenol

Concen: 23.87 ng

RT: 15.86 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BG015873.D

Acq: 9 Jan 2015 17:12

Instrument :

BNA_G

ClientSampleId :

LAR9762DL

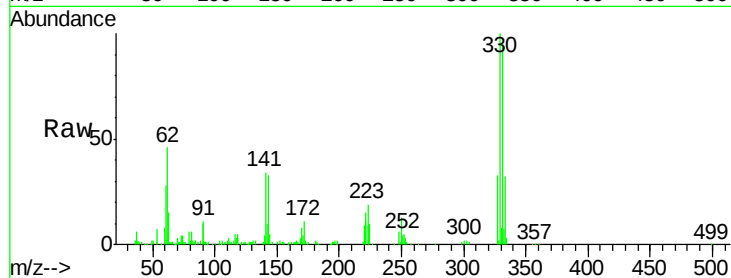
Tgt Ion:330 Resp: 74216

Ion Ratio Lower Upper

330 100

332 97.1 73.8 110.8

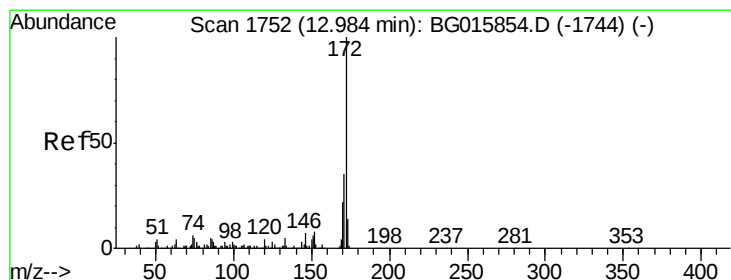
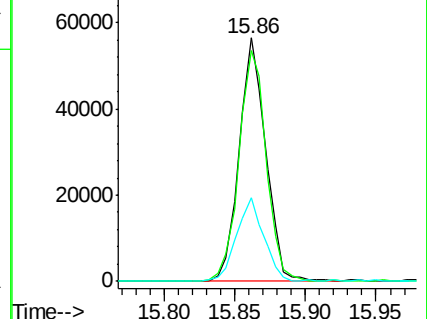
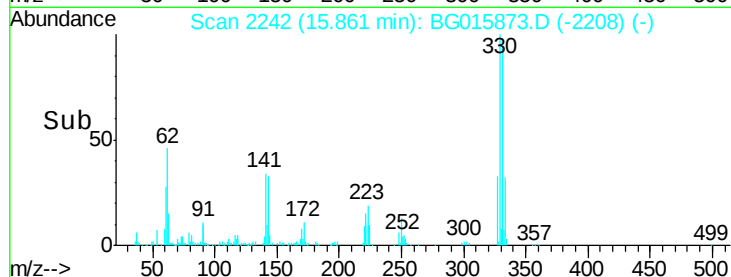
141 35.5 27.2 40.8



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: 16.15 ng

RT: 12.99 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BG015873.D

Acq: 9 Jan 2015 17:12

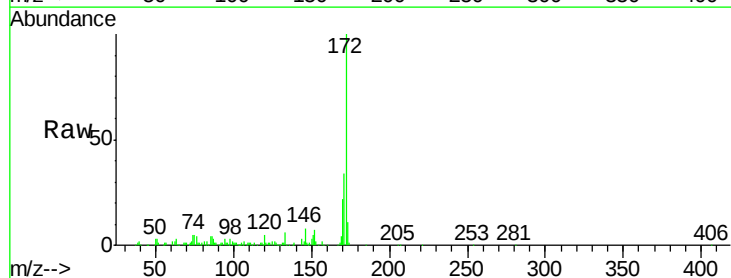
Tgt Ion:172 Resp: 184924

Ion Ratio Lower Upper

172 100

171 34.4 28.6 43.0

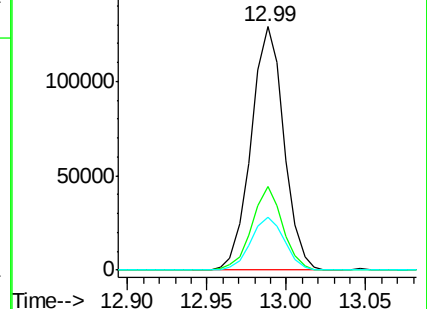
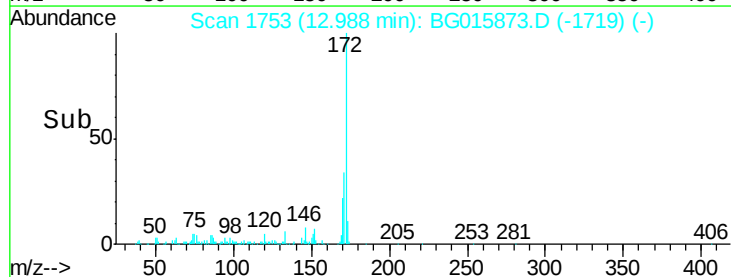
170 21.7 18.2 27.4

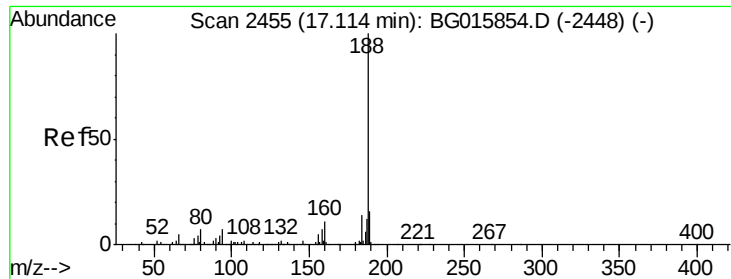


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

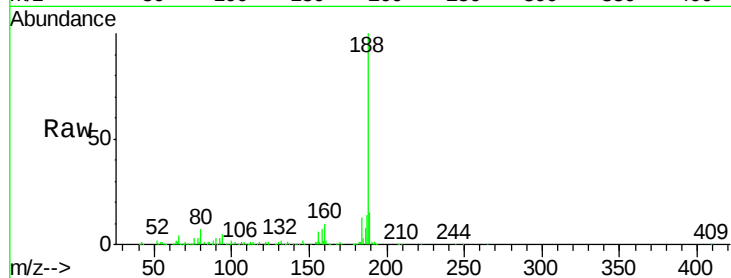




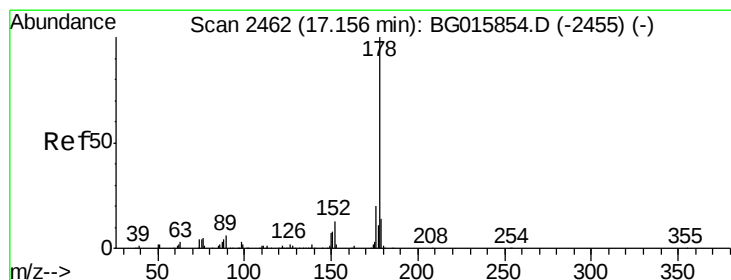
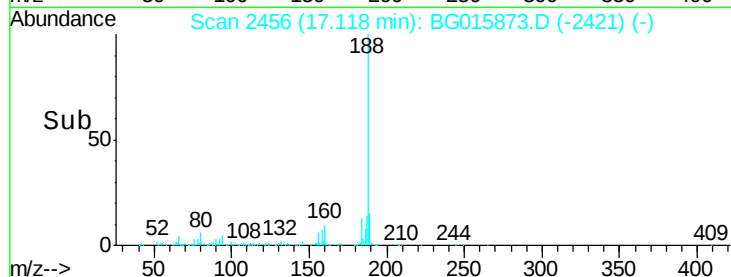
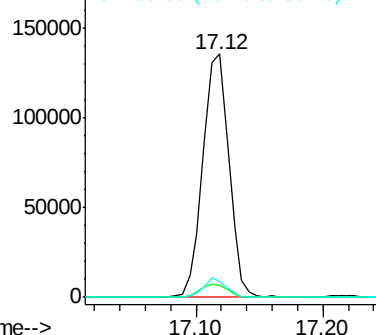
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.12 min Scan# 2456
Delta R.T. 0.01 min
Lab File: BG015873.D
Acq: 9 Jan 2015 17:12

Instrument :
BNA_G
ClientSampleID :
LAR9762DL

Tgt Ion:188 Resp: 193026
Ion Ratio Lower Upper
188 100
94 4.9 5.4 8.0#
80 6.6 6.6 9.8

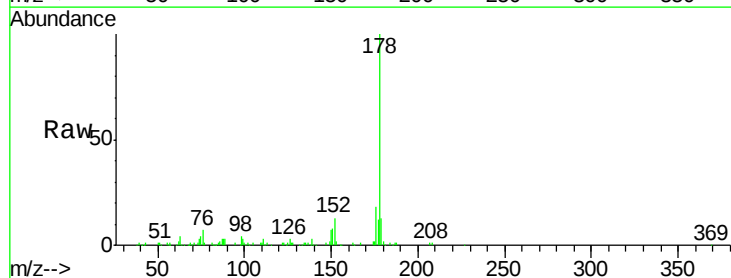


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

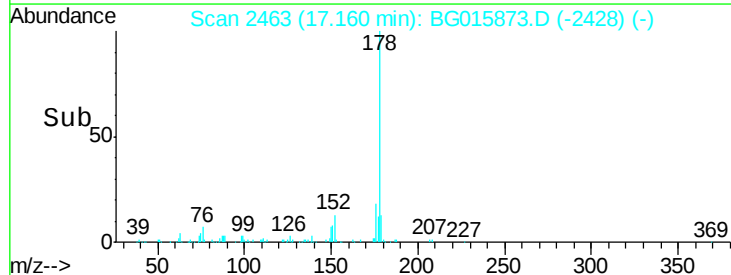
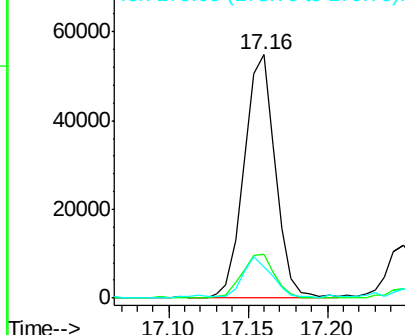


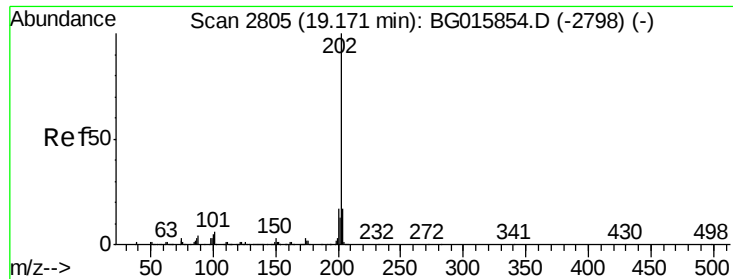
#70
Phenanthrene
Concen: 7.29 ng
RT: 17.16 min Scan# 2463
Delta R.T. 0.01 min
Lab File: BG015873.D
Acq: 9 Jan 2015 17:12

Tgt Ion:178 Resp: 74900
Ion Ratio Lower Upper
178 100
176 17.9 14.5 21.7
179 13.0 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





#74

Fluoranthene

Concen: 5.75 ng

RT: 19.17 min Scan# 2806

Delta R.T. 0.00 min

Lab File: BG015873.D

Acq: 9 Jan 2015 17:12

Instrument :

BNA_G

ClientSampleId :

LAR9762DL

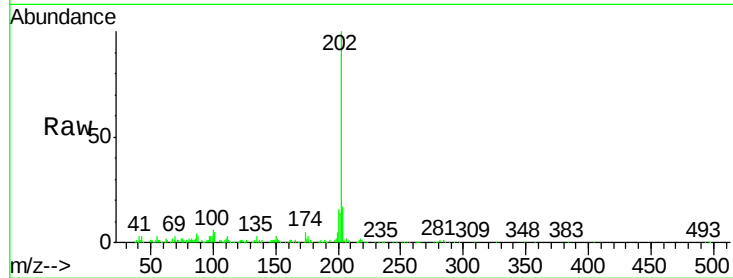
Tgt Ion:202 Resp: 89351

Ion Ratio Lower Upper

202 100

101 4.7 0.0 26.1

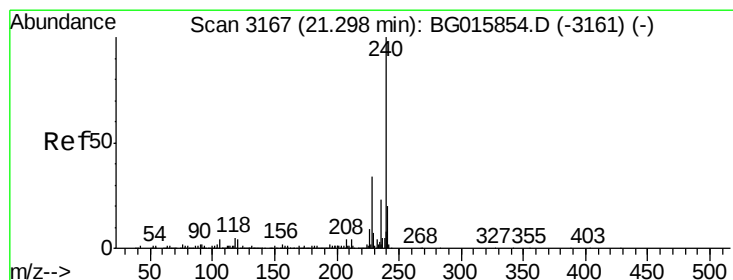
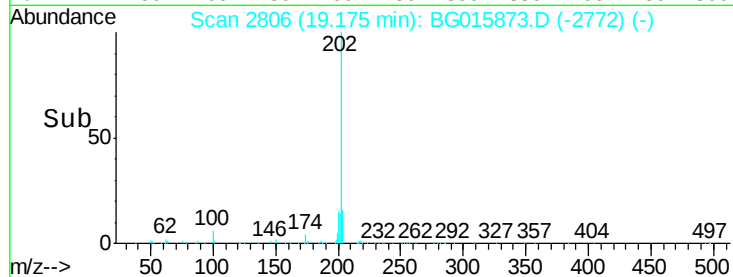
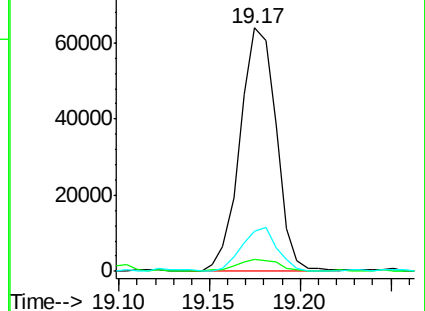
203 16.5 0.0 38.0



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: BG015873.D

Acq: 9 Jan 2015 17:12

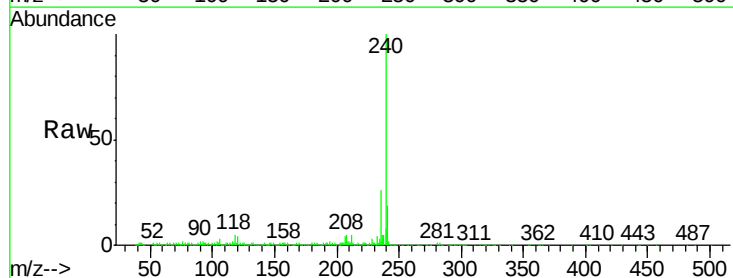
Tgt Ion:240 Resp: 265698

Ion Ratio Lower Upper

240 100

120 4.4 3.4 5.2

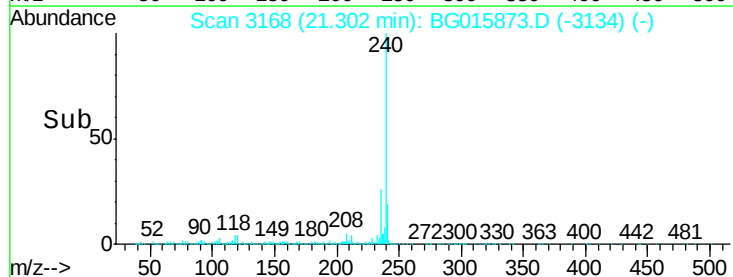
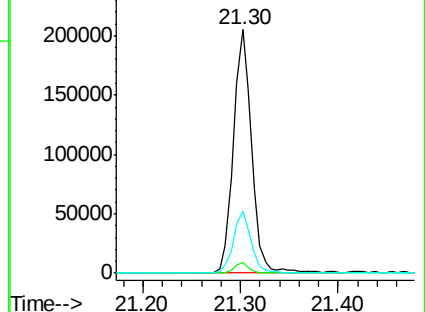
236 25.6 19.0 28.6

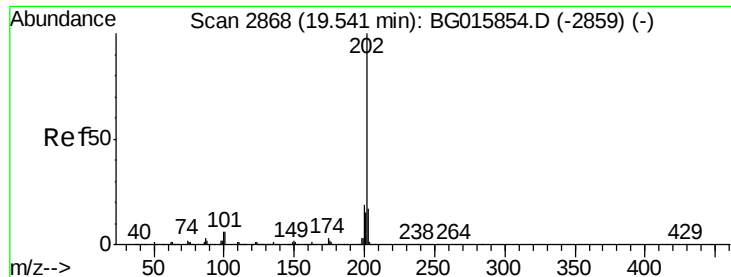


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

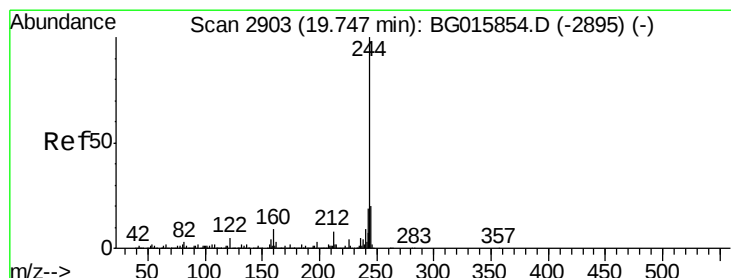
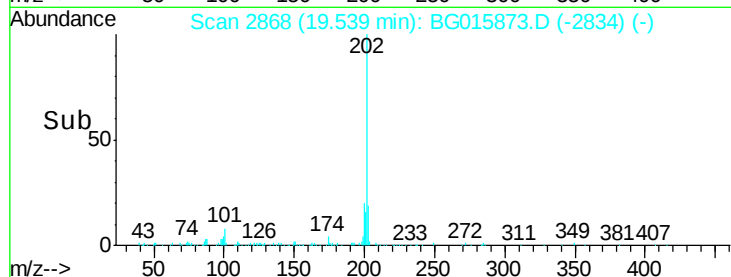
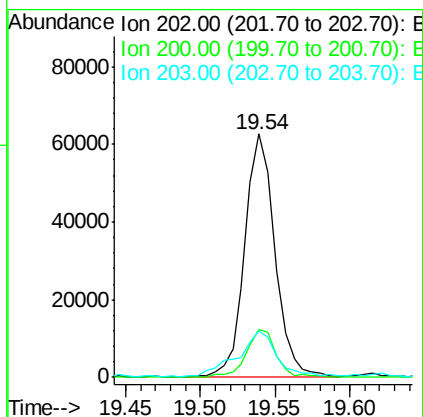
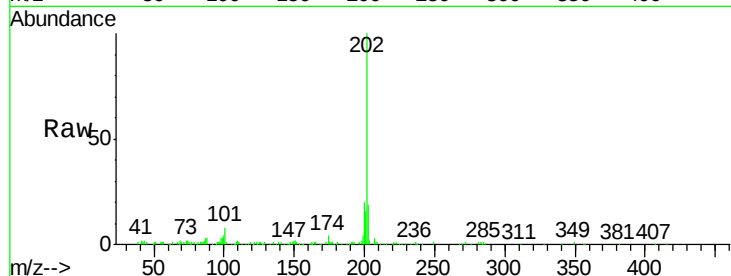




#77
 Pyrene
 Concen: 6.19 ng
 RT: 19.54 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: BG015873.D
 Acq: 9 Jan 2015 17:12

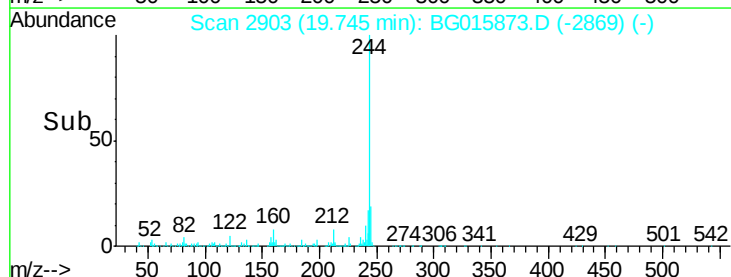
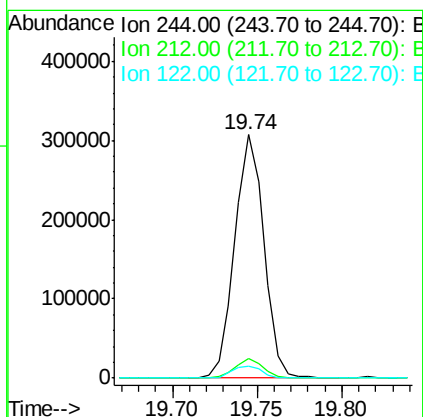
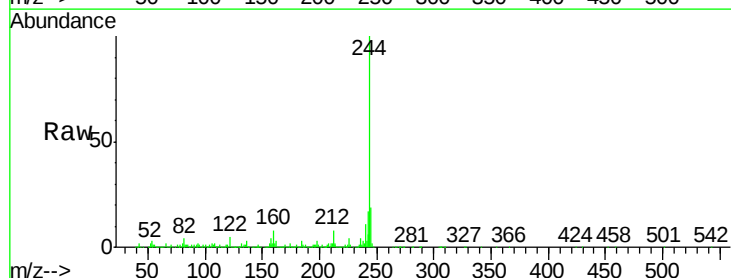
Instrument :
 BNA_G
 ClientSampleId :
 LAR9762DL

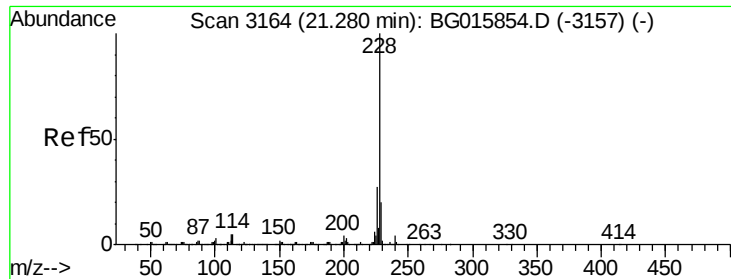
Tgt Ion:202 Resp: 87962
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.1 22.7
 203 19.3 14.2 21.4



#78
 Terphenyl-d14
 Concen: 15.55 ng
 RT: 19.74 min Scan# 2903
 Delta R.T. 0.00 min
 Lab File: BG015873.D
 Acq: 9 Jan 2015 17:12

Tgt Ion:244 Resp: 369720
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.6 9.8
 122 5.0 4.7 7.1





#80

Benzo(a)anthracene

Concen: 2.82 ng

RT: 21.28 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BG015873.D

Acq: 9 Jan 2015 17:12

Instrument :

BNA_G

ClientSampleId :

LAR9762DL

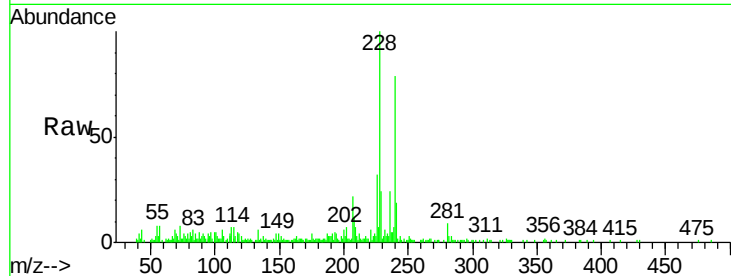
Tgt Ion:228 Resp: 44463

Ion Ratio Lower Upper

228 100

226 31.7 21.4 32.2

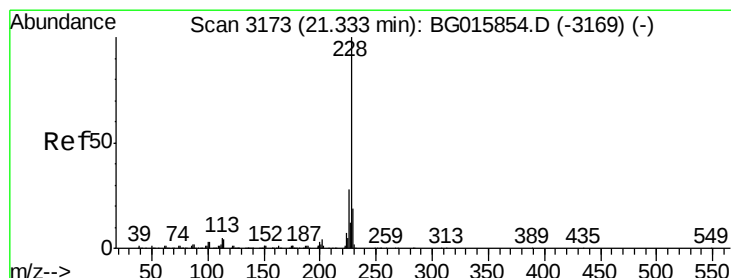
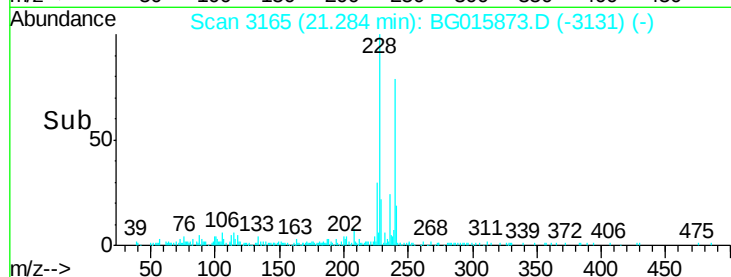
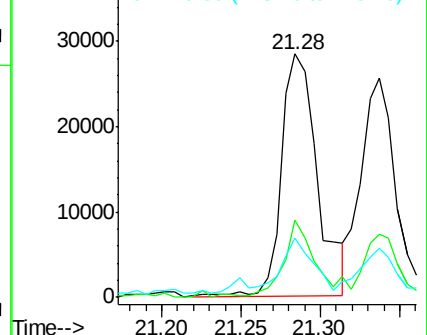
229 24.3 16.8 25.2



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: 2.63 ng

RT: 21.34 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BG015873.D

Acq: 9 Jan 2015 17:12

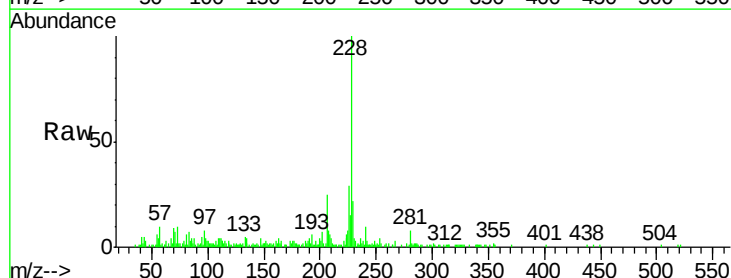
Tgt Ion:228 Resp: 38120

Ion Ratio Lower Upper

228 100

226 28.7 22.5 33.7

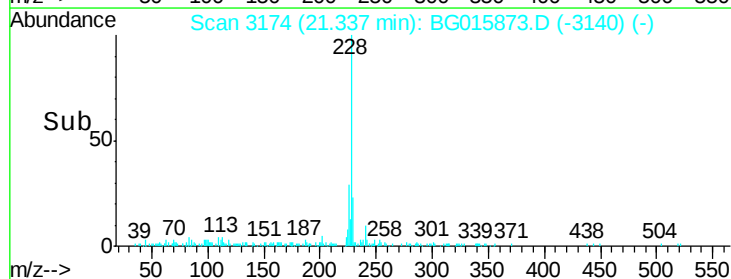
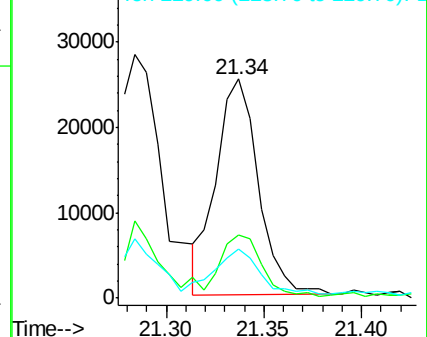
229 22.4 15.8 23.6

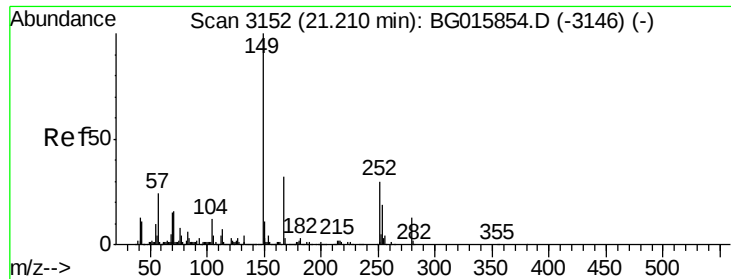


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.22 ng

RT: 21.21 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG015873.D

Acq: 9 Jan 2015 17:12

Instrument :

BNA_G

ClientSampleId :

LAR9762DL

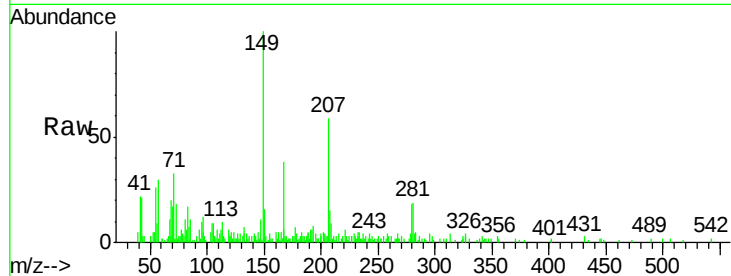
Tgt Ion:149 Resp: 17159

Ion Ratio Lower Upper

149 100

167 37.8 26.2 39.2

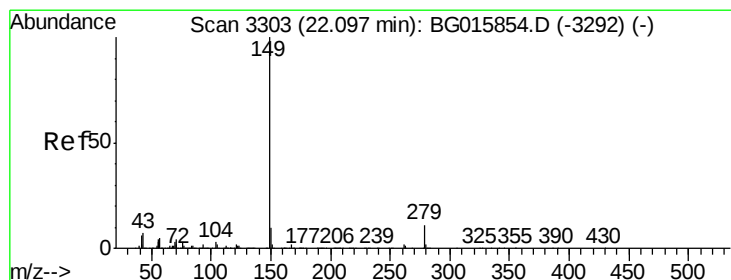
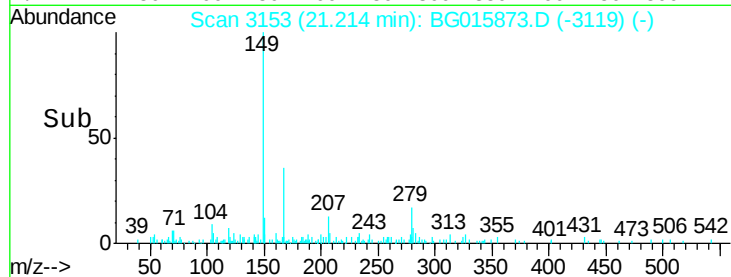
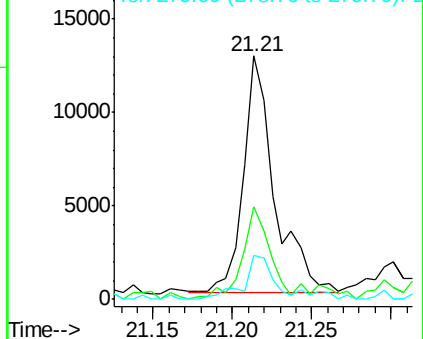
279 18.2 10.5 15.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 52.24 ng

RT: 22.10 min Scan# 3304

Delta R.T. 0.01 min

Lab File: BG015873.D

Acq: 9 Jan 2015 17:12

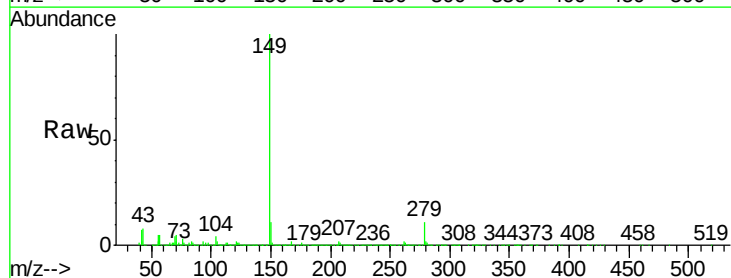
Tgt Ion:149 Resp: 658287

Ion Ratio Lower Upper

149 100

167 1.9 1.6 2.4

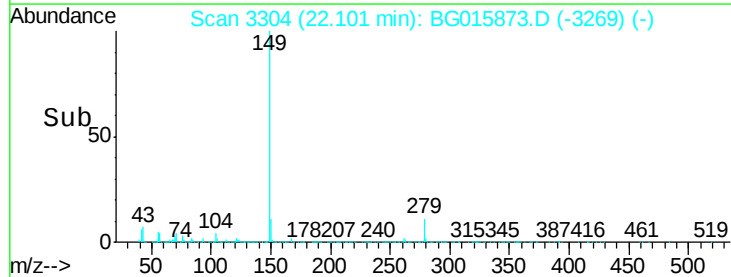
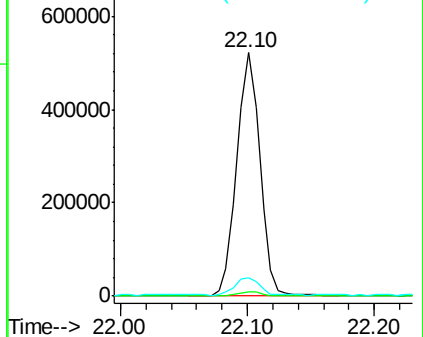
43 7.9 5.9 8.9

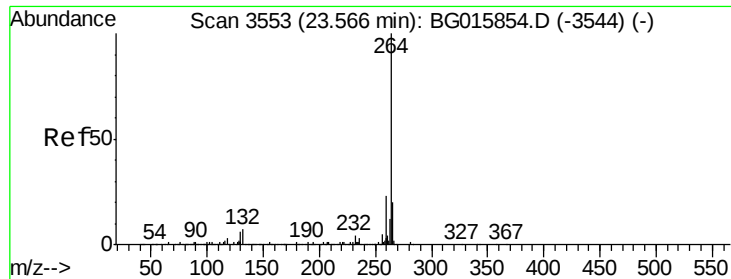


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGO

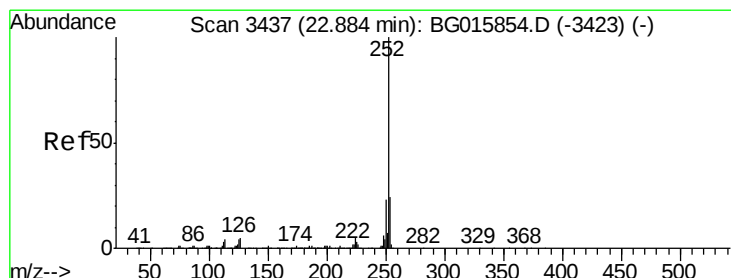
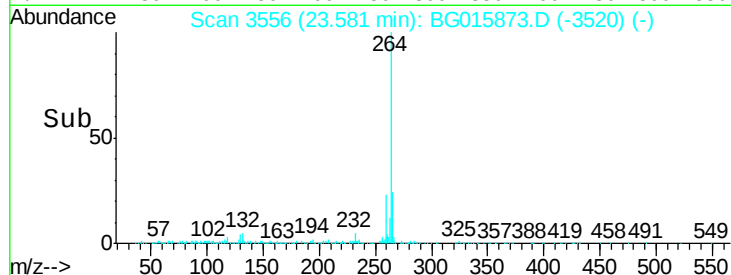
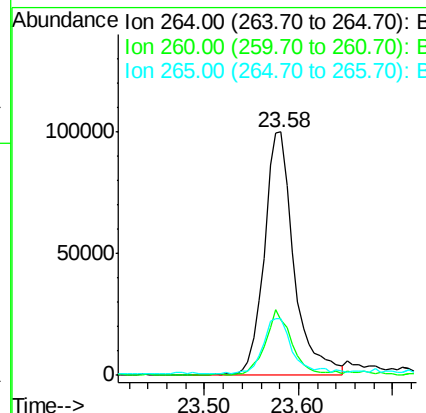
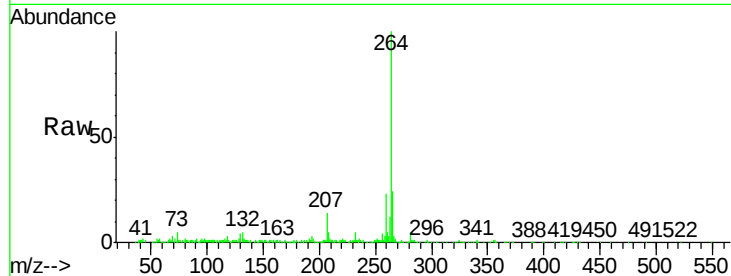




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.58 min Scan# 3556
Delta R.T. 0.01 min
Lab File: BG015873.D
Acq: 9 Jan 2015 17:12

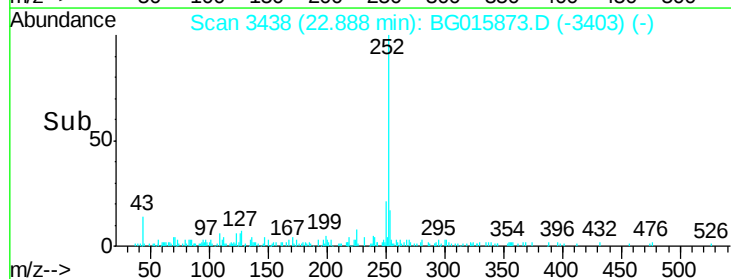
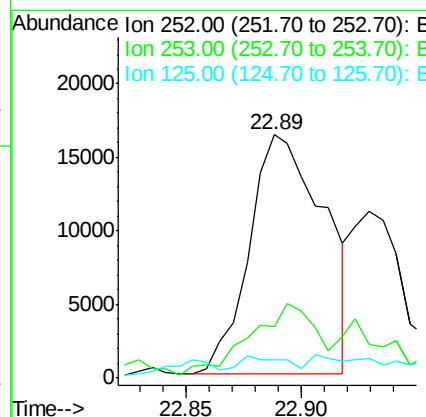
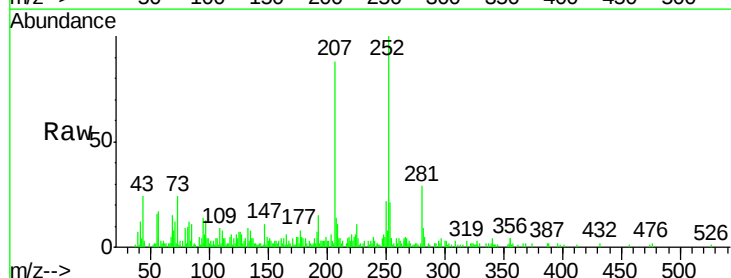
Instrument :
BNA_G
ClientSampleId :
LAR9762DL

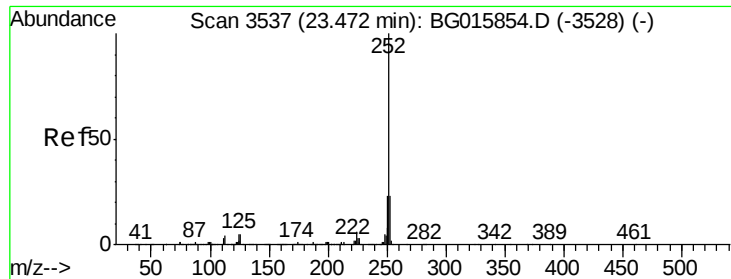
Tgt Ion:264 Resp: 217877
Ion Ratio Lower Upper
264 100
260 22.5 17.0 25.4
265 23.5 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.70 ng
RT: 22.89 min Scan# 3438
Delta R.T. 0.01 min
Lab File: BG015873.D
Acq: 9 Jan 2015 17:12

Tgt Ion:252 Resp: 36730
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.8
125 7.4 3.6 5.4#





#89

Benzo(a)pyrene

Concen: 2.34 ng

RT: 23.48 min Scan# 3538

Delta R.T. 0.01 min

Lab File: BG015873.D

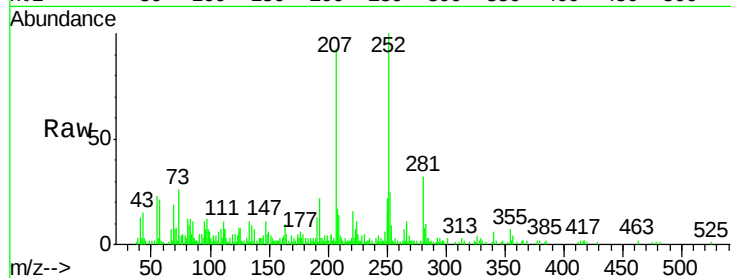
Acq: 9 Jan 2015 17:12

Instrument :

BNA_G

ClientSampleId :

LAR9762DL



Tgt Ion:	252	Resp:	28631
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	8.3	3.7	5.5#

