

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092816\
 Data File : BG024149.D
 Acq On : 28 Sep 2016 16:39
 Operator : UM/SJ
 Sample : PB93653BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB93653BL

Quant Time: Sep 29 01:04:29 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

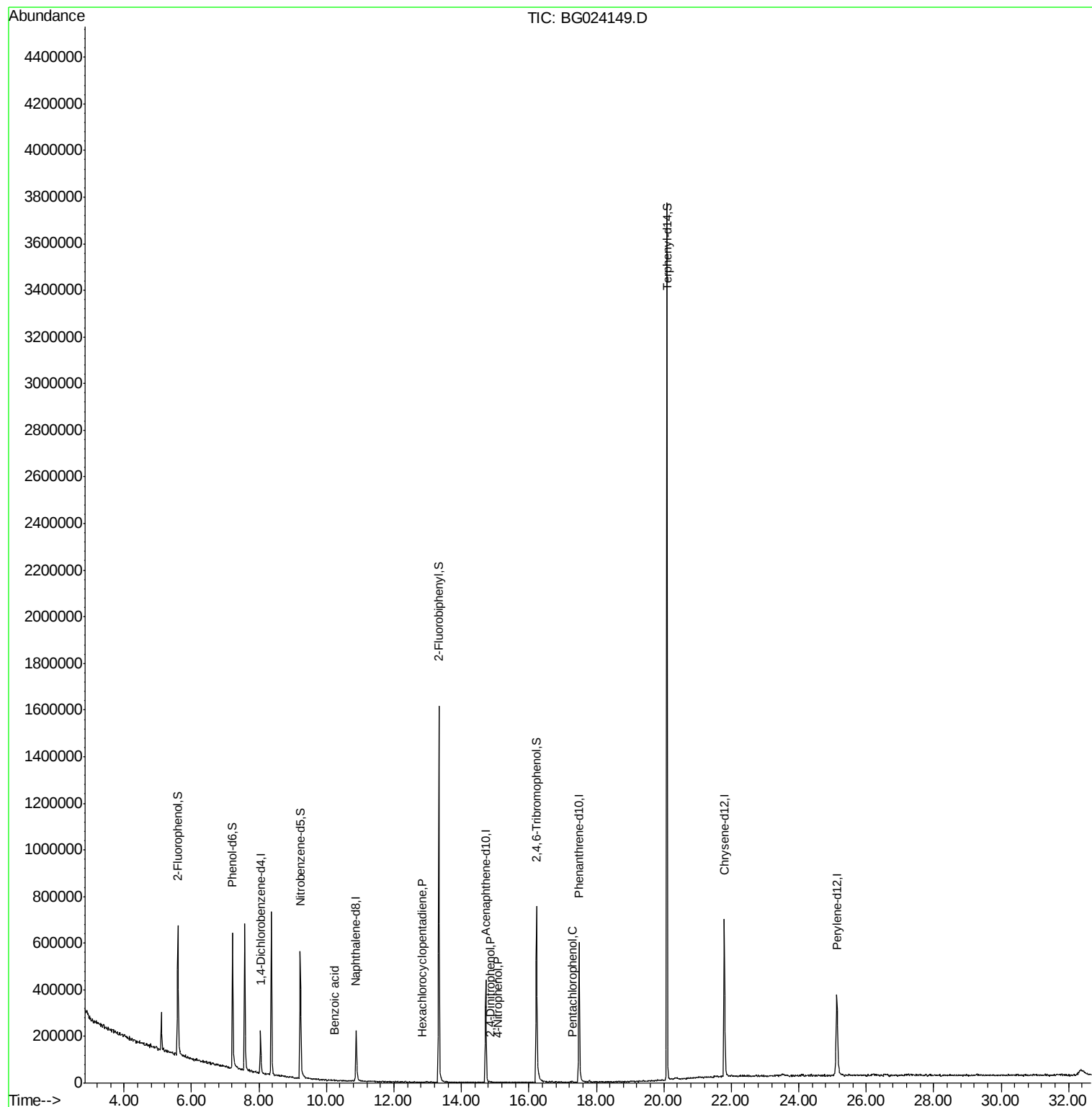
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	49941	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	221971	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	180717	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	431954	20.00	ng	0.00
75) Chrysene-d12	21.79	240	480503	20.00	ng	0.00
86) Perylene-d12	25.13	264	451837	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	249200	86.45	ng	0.00
7) Phenol-d6	7.22	99	371904	76.67	ng	0.00
23) Nitrobenzene-d5	9.22	82	416992	74.04	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	167368	64.43	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	869878	80.91	ng	0.00
78) Terphenyl-d14	20.09	244	1576922	67.20	ng	0.00
Target Compounds						
32) Benzoic acid	10.22	122	69	2.18	ng	# 1
40) Hexachlorocyclopentadiene	12.83	237	98	3.63	ng	# 26
53) 2,4-Dinitrophenol	14.85	184	73	2.50	ng	# 10
55) 4-Nitrophenol	15.08	139	60	5.37	ng	# 33
69) Pentachlorophenol	17.27	266	55	3.58	ng	# 18

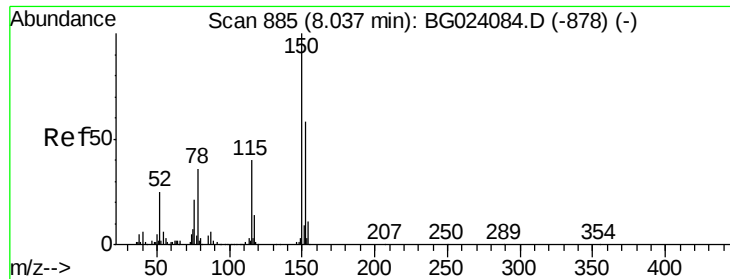
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 886

Delta R.T. 0.01 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

Instrument :

BNA_G

ClientSampleId :

PB93653BL

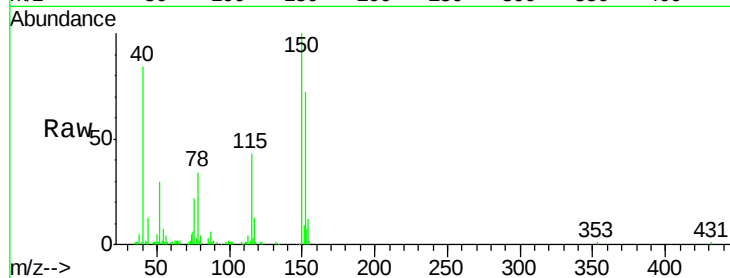
Tgt Ion:152 Resp: 49941

Ion Ratio Lower Upper

152 100

150 139.2 144.7 217.1#

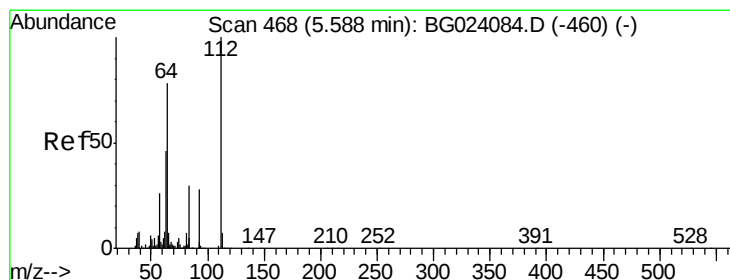
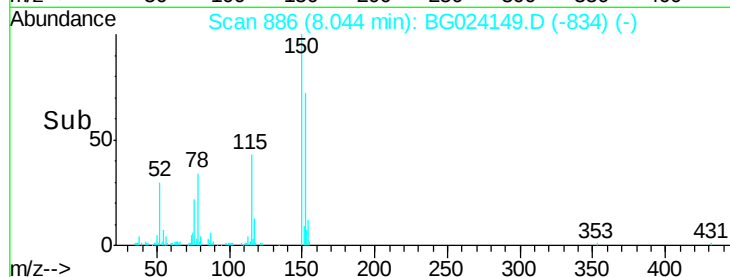
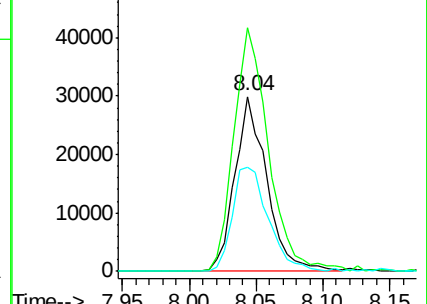
115 59.2 64.0 96.0#



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: 86.45 ng

RT: 5.59 min Scan# 469

Delta R.T. 0.01 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

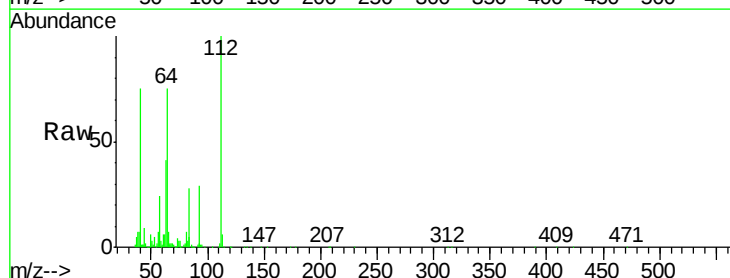
Tgt Ion:112 Resp: 249200

Ion Ratio Lower Upper

112 100

64 75.2 59.0 88.4

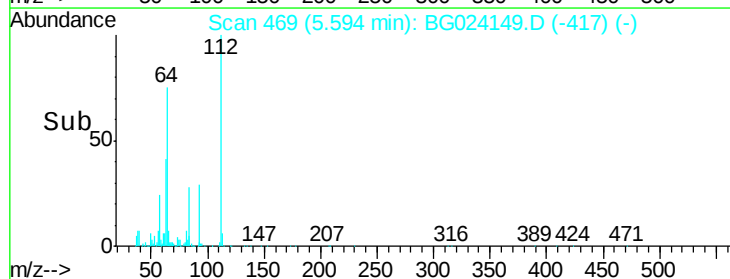
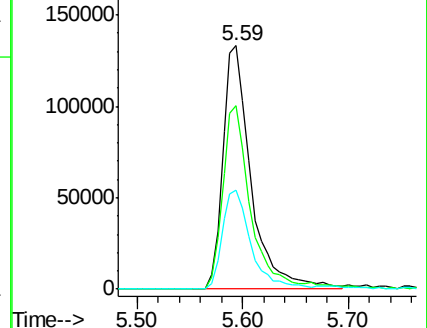
63 40.5 37.8 56.8

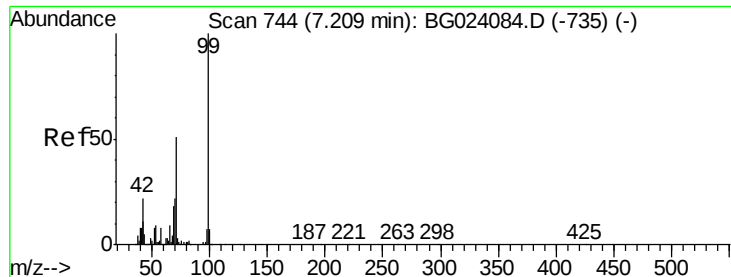


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 76.67 ng

RT: 7.22 min Scan# 745

Delta R.T. 0.01 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

Instrument :

BNA_G

ClientSampleId :

PB93653BL

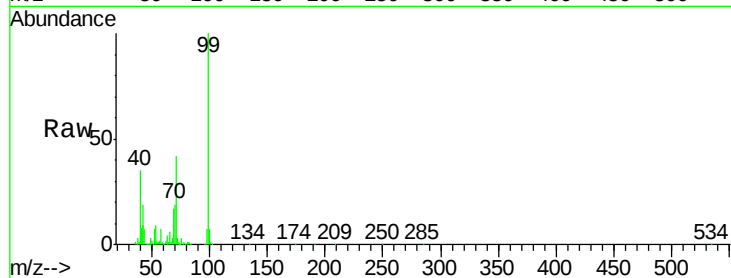
Tgt Ion: 99 Resp: 371904

Ion Ratio Lower Upper

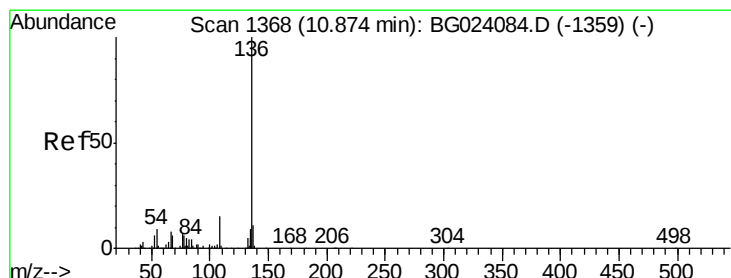
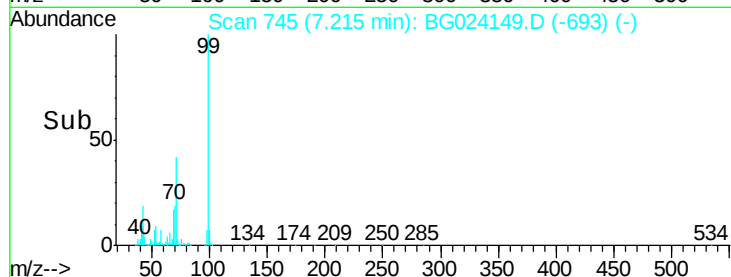
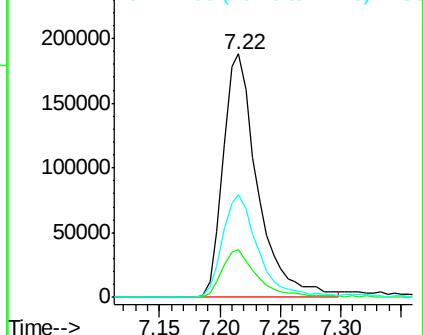
99 100

42 19.5 17.8 26.6

71 42.1 41.5 62.3



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: 10.88 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

Tgt Ion: 136 Resp: 221971

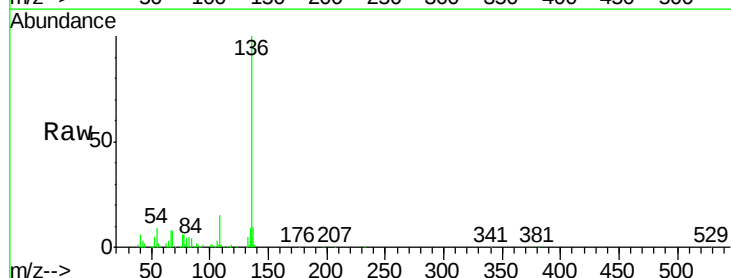
Ion Ratio Lower Upper

136 100

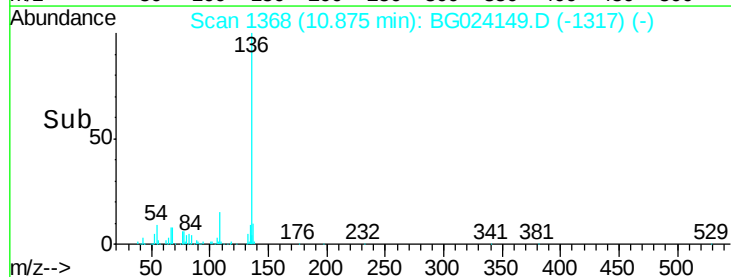
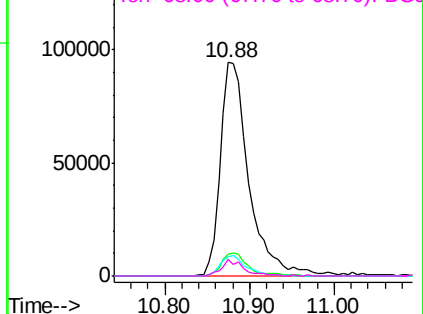
137 10.5 9.6 14.4

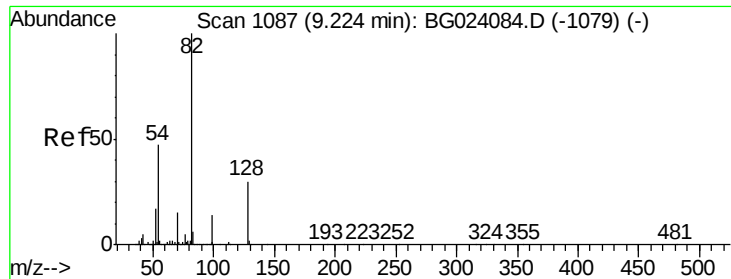
54 9.1 7.3 10.9

68 7.7 5.3 7.9



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: 74.04 ng

RT: 9.22 min Scan# 1087

Delta R.T. 0.00 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

Instrument :

BNA_G

ClientSampleId :

PB93653BL

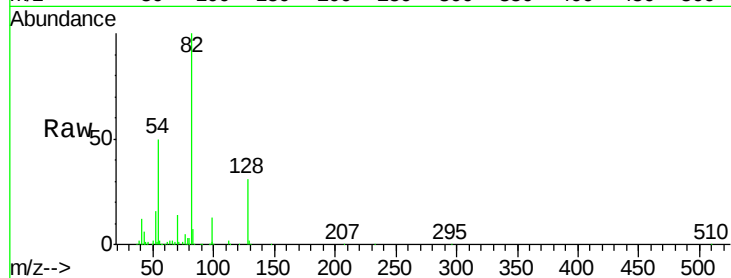
Tgt Ion: 82 Resp: 416992

Ion Ratio Lower Upper

82 100

128 31.2 24.4 36.6

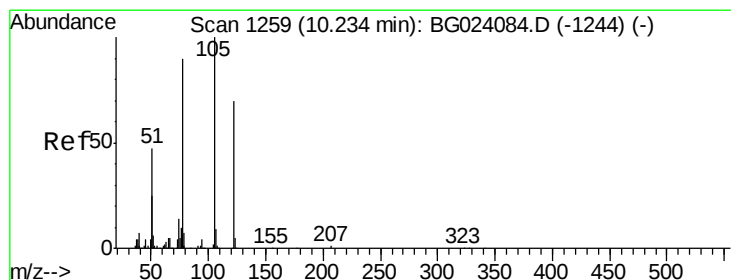
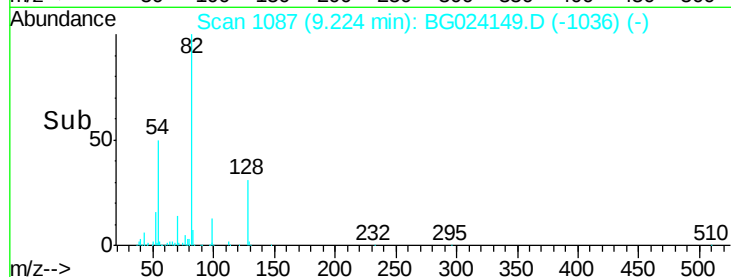
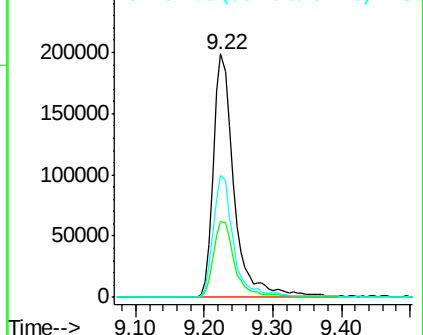
54 50.4 41.4 62.0



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



#32

Benzoic acid

Concen: 2.18 ng

RT: 10.22 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

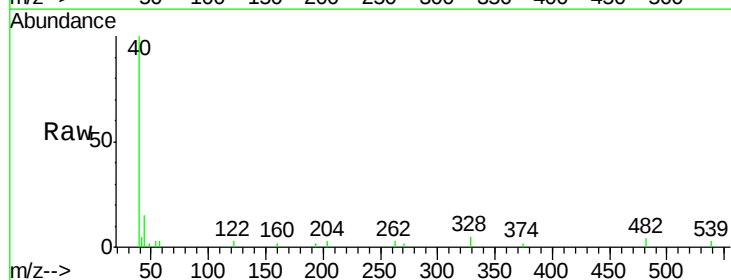
Tgt Ion: 122 Resp: 69

Ion Ratio Lower Upper

122 100

105 0.0 117.2 157.2#

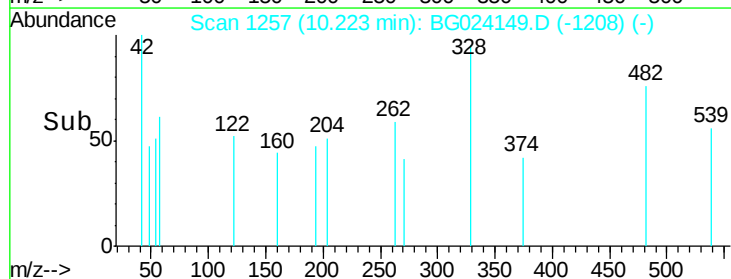
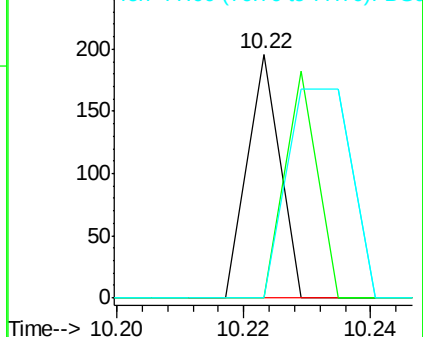
77 0.0 109.2 149.2#

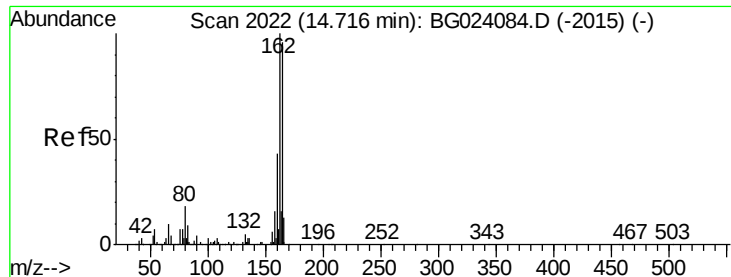


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

Instrument :

BNA_G

ClientSampleId :

PB93653BL

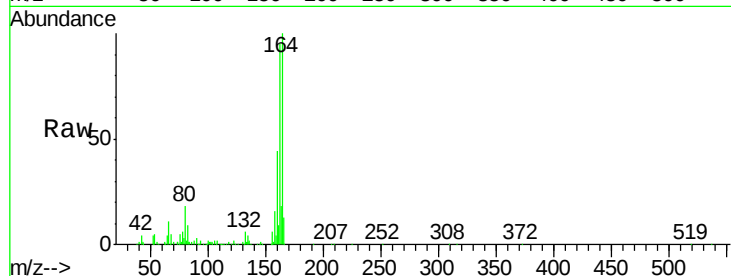
Tgt Ion:164 Resp: 180717

Ion Ratio Lower Upper

164 100

162 94.7 87.7 131.5

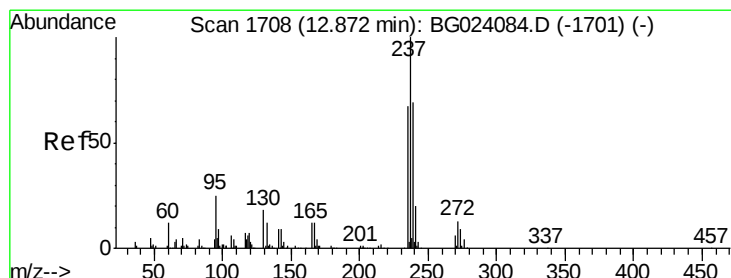
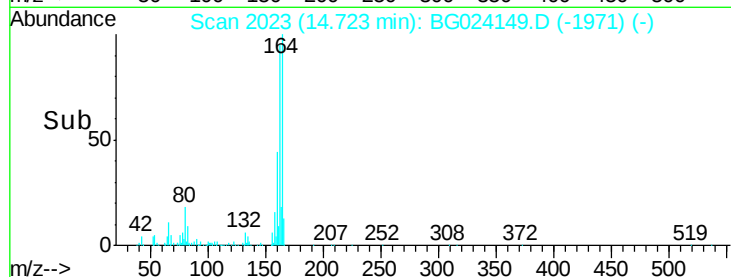
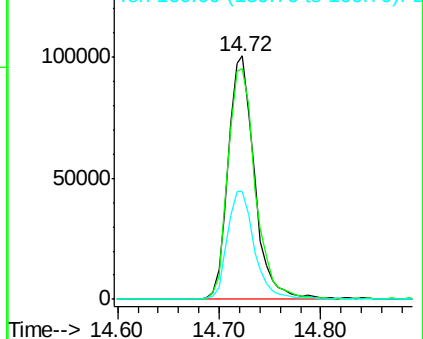
160 44.2 37.2 55.8



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



#40

Hexachlorocyclopentadiene

Concen: 3.63 ng

RT: 12.83 min Scan# 1701

Delta R.T. -0.04 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

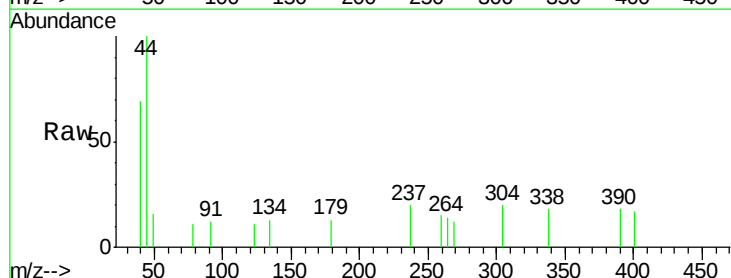
Tgt Ion:237 Resp: 98

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

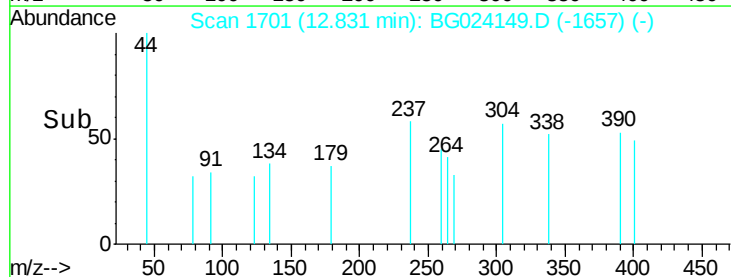
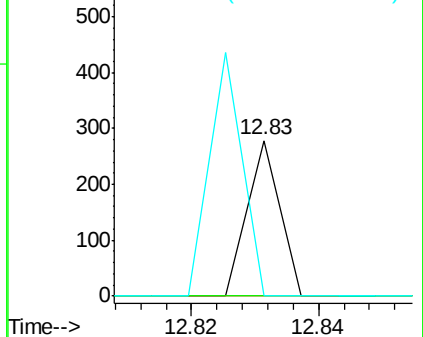
272 0.0 0.0 30.9

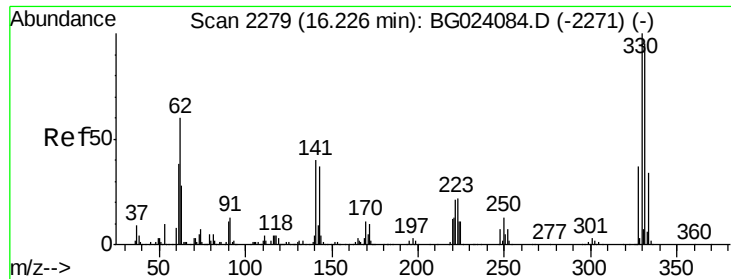


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

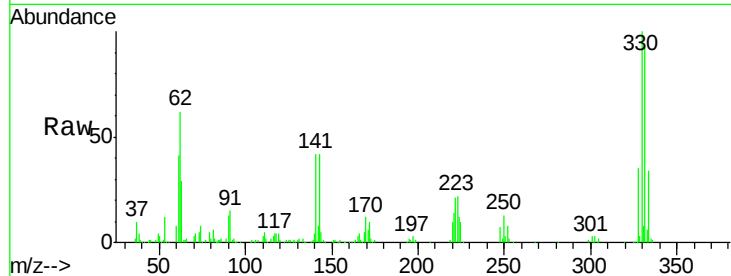




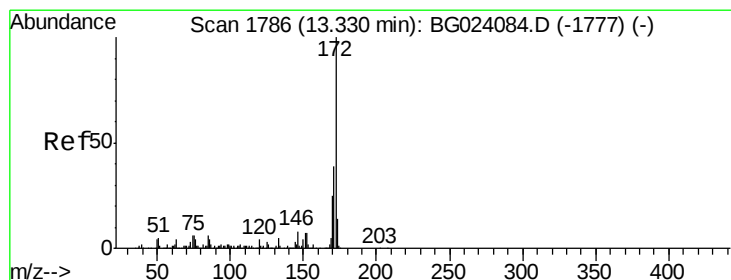
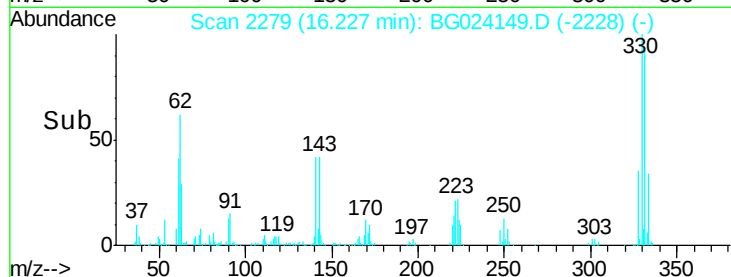
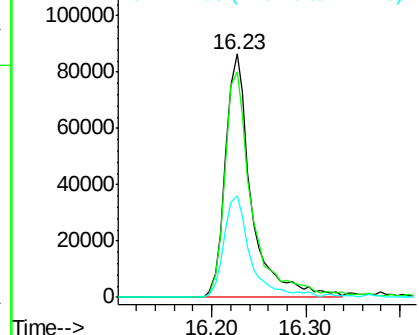
#41
 2,4,6-Tribromophenol
 Concen: 64.43 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BG024149.D
 Acq: 28 Sep 2016 16:39

Instrument :
 BNA_G
 ClientSampleId :
 PB93653BL

Tgt Ion:330 Resp: 167368
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 42.5 31.7 47.5

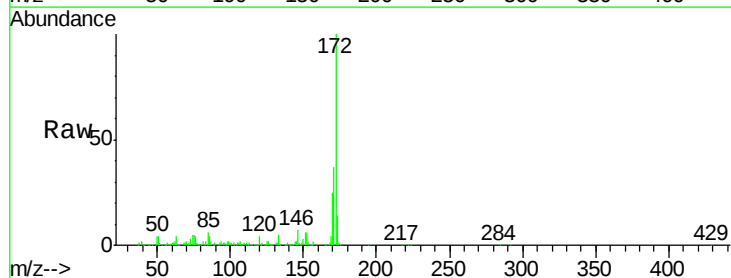


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

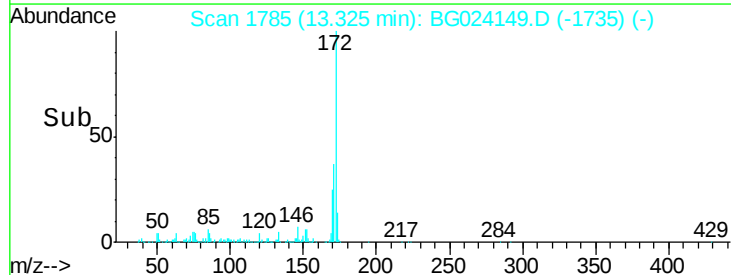
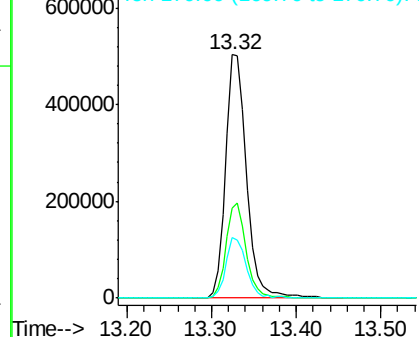


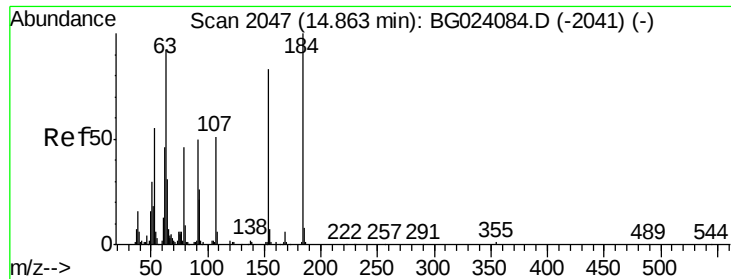
#44
 2-Fluorobiphenyl
 Concen: 80.91 ng
 RT: 13.32 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG024149.D
 Acq: 28 Sep 2016 16:39

Tgt Ion:172 Resp: 869878
 Ion Ratio Lower Upper
 172 100
 171 37.2 31.6 47.4
 170 24.8 21.3 31.9



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

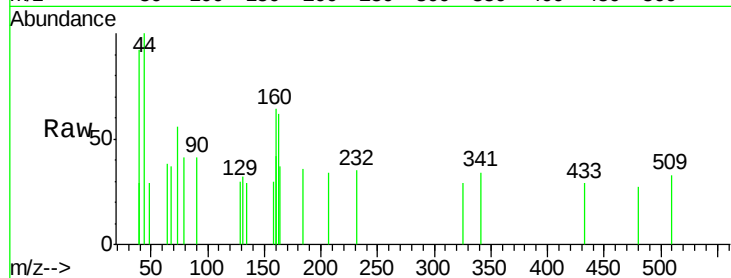




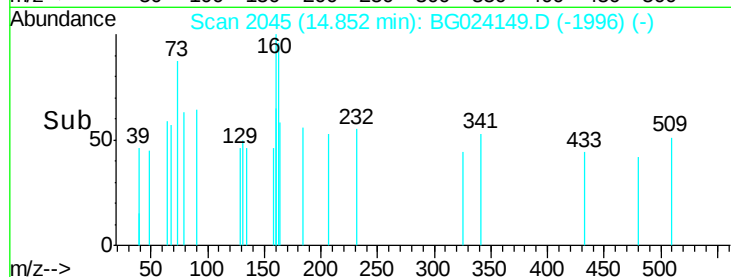
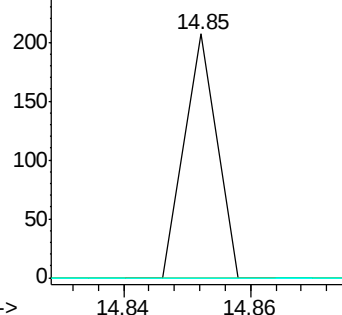
#53
2,4-Dinitrophenol
Concen: 2.50 ng
RT: 14.85 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BG024149.D
Acq: 28 Sep 2016 16:39

Instrument :
BNA_G
ClientSampleId :
PB93653BL

Tgt Ion:184 Resp: 73
Ion Ratio Lower Upper
184 100
63 0.0 59.6 89.4#
154 0.0 67.4 101.0#

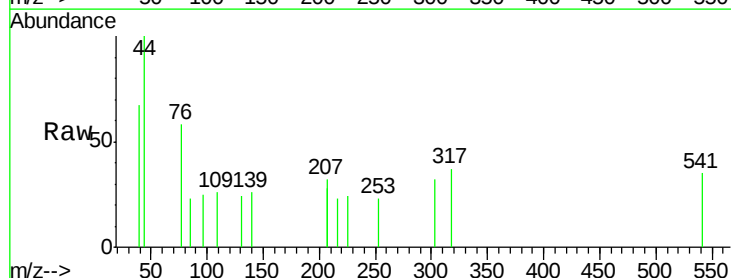
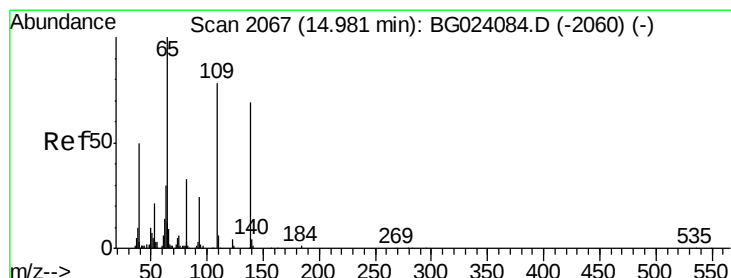


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

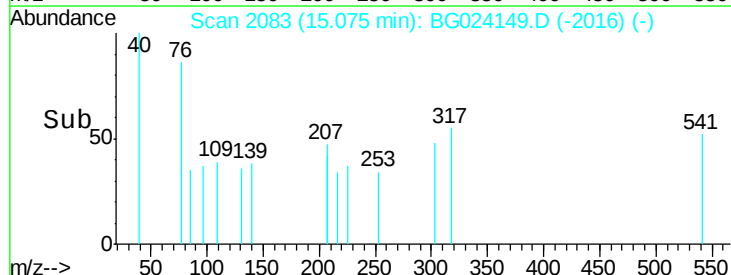
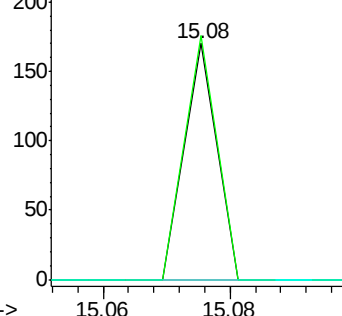


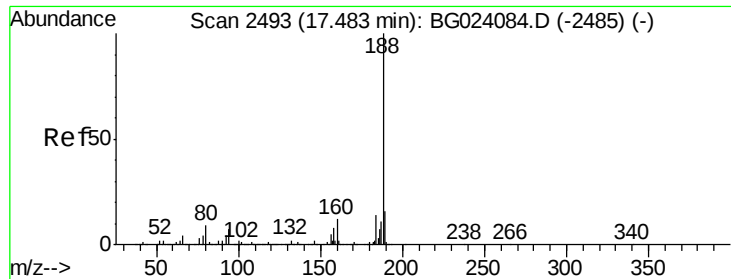
#55
4-Nitrophenol
Concen: 5.37 ng
RT: 15.08 min Scan# 2083
Delta R.T. 0.10 min
Lab File: BG024149.D
Acq: 28 Sep 2016 16:39

Tgt Ion:139 Resp: 60
Ion Ratio Lower Upper
139 100
109 103.5 103.0 143.0
65 0.0 112.7 152.7#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BG





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. 0.01 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

Instrument :

BNA_G

ClientSampleId :

PB93653BL

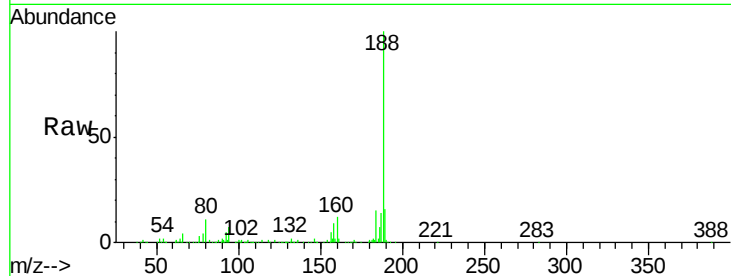
Tgt Ion:188 Resp: 431954

Ion Ratio Lower Upper

188 100

94 7.2 5.2 7.8

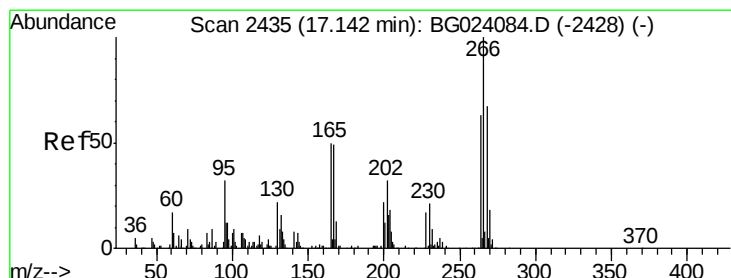
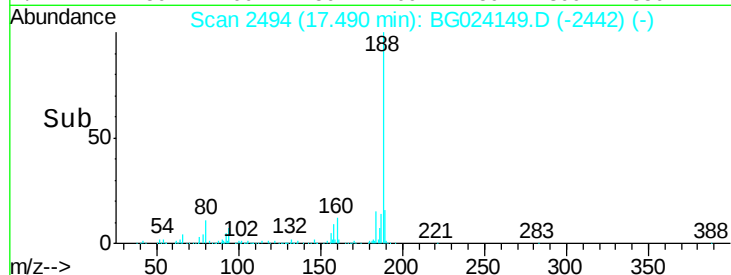
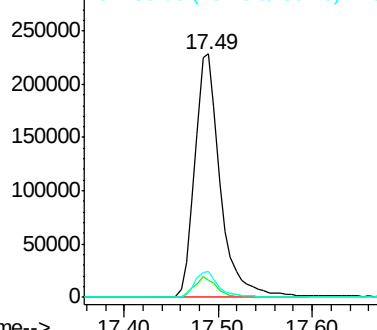
80 10.9 7.2 10.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#69

Pentachlorophenol

Concen: 3.58 ng

RT: 17.27 min Scan# 2457

Delta R.T. 0.13 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

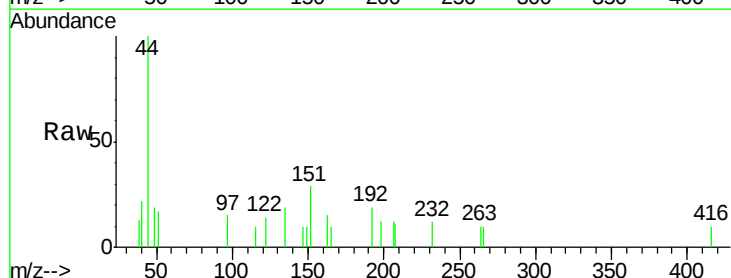
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

268 0.0 51.9 77.9#

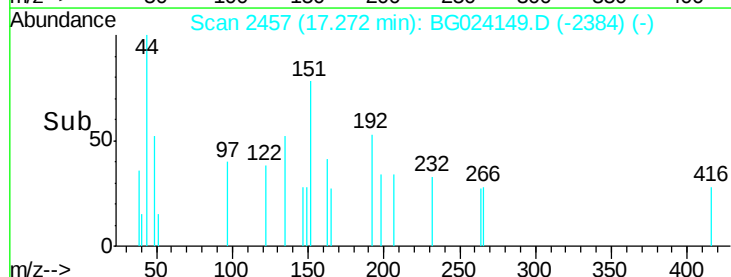
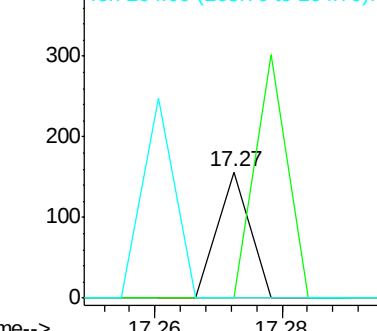
264 0.0 50.6 75.8#

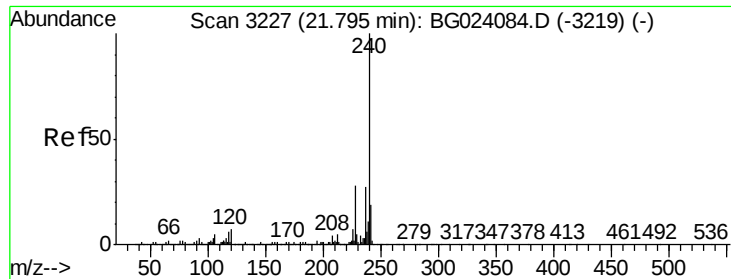


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.79 min Scan# 3226

Delta R.T. -0.01 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

Instrument :

BNA_G

ClientSampleId :

PB93653BL

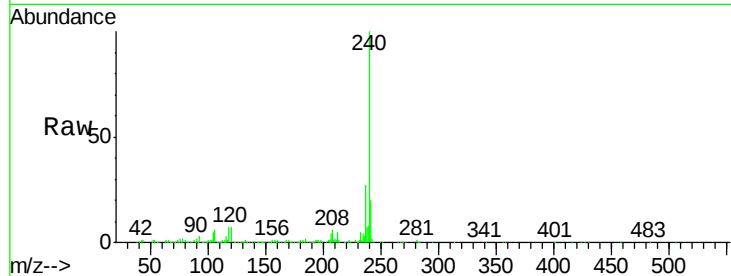
Tgt Ion:240 Resp: 480503

Ion Ratio Lower Upper

240 100

120 7.1 4.1 6.1#

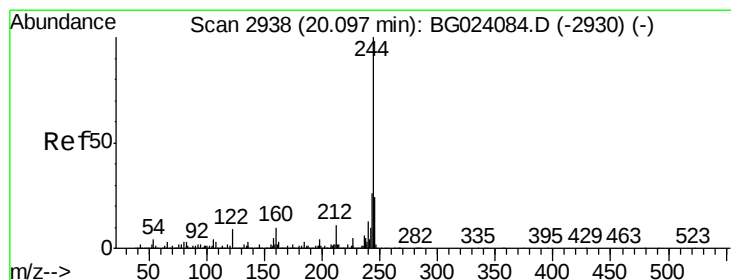
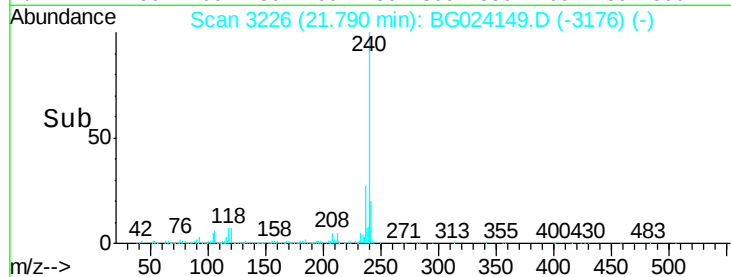
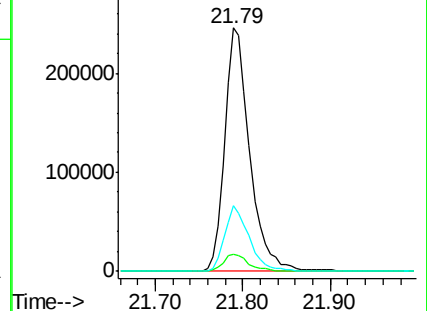
236 27.1 21.1 31.7



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



#78

Terphenyl-d14

Concen: 67.20 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG024149.D

Acq: 28 Sep 2016 16:39

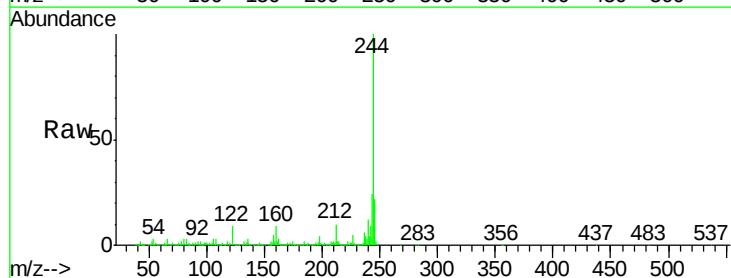
Tgt Ion:244 Resp: 1576922

Ion Ratio Lower Upper

244 100

212 10.4 10.8 16.2#

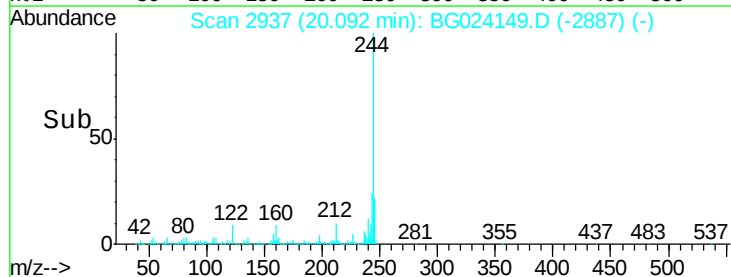
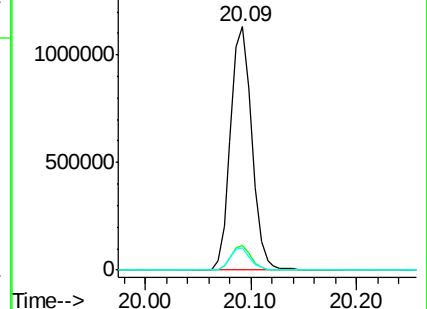
122 9.0 8.0 12.0

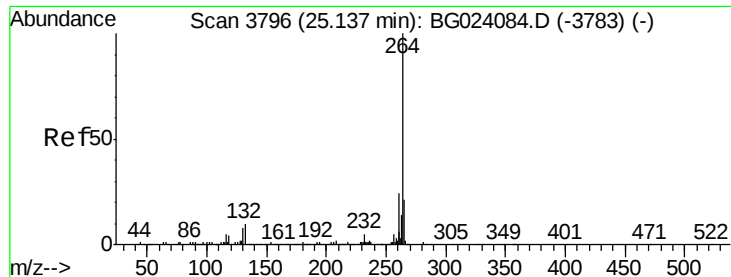


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.13 min Scan# 3795
Delta R.T. -0.01 min
Lab File: BG024149.D
Acq: 28 Sep 2016 16:39

Instrument :
BNA_G
ClientSampleId :
PB93653BL

Tgt Ion:	264	Resp:	451837
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	20.0	18.9	28.3

