

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG093016\
 Data File : BG024166.D
 Acq On : 30 Sep 2016 19:22
 Operator : UM/SJ
 Sample : H4998-18
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SUP-B057-3-6

Quant Time: Oct 01 00:18:47 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

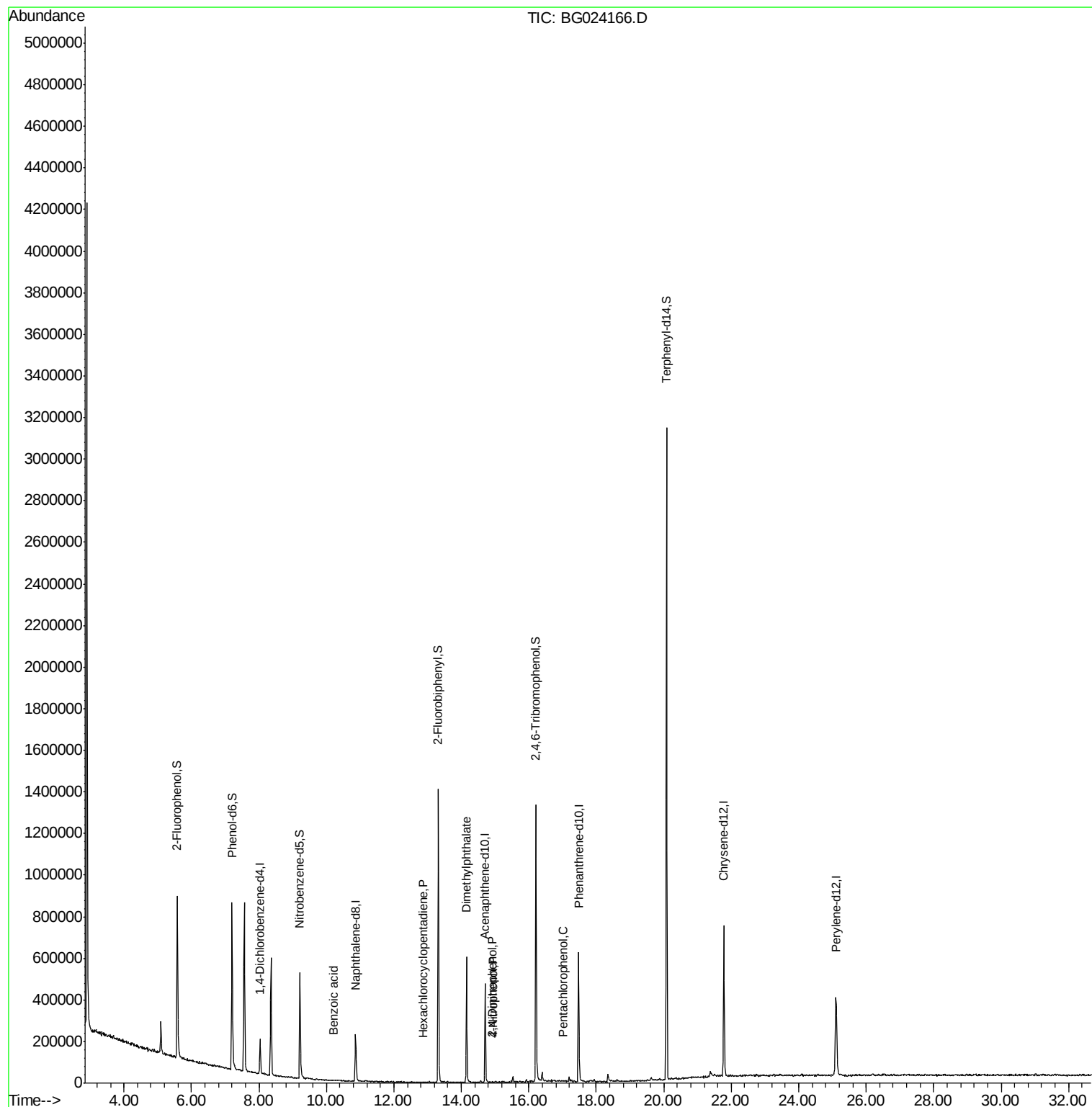
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	43414	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	191317	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	163403	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	405299	20.00	ng	0.00
75) Chrysene-d12	21.78	240	469833	20.00	ng	-0.02
86) Perylene-d12	25.11	264	453789	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	329400	131.45	ng	0.00
7) Phenol-d6	7.20	99	491762	116.63	ng	0.00
23) Nitrobenzene-d5	9.21	82	350616	72.23	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	229721	97.81	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	678219	69.77	ng	-0.02
78) Terphenyl-d14	20.08	244	1260426	54.93	ng	-0.02
Target Compounds						
32) Benzoic acid	10.21	122	85	2.19	ng	# 24
40) Hexachlorocyclopentadiene	12.84	237	160	3.68	ng	# 26
49) Dimethylphthalate	14.15	163	379102	30.24	ng	99
53) 2,4-Dinitrophenol	14.92	184	67	2.50	ng	# 44
55) 4-Nitrophenol	14.96	139	76	5.38	ng	# 1
69) Pentachlorophenol	17.02	266	112	3.60	ng	# 18

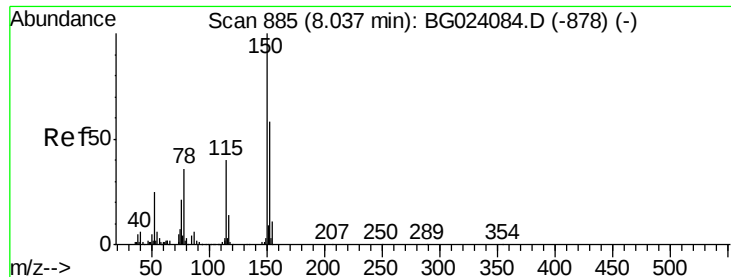
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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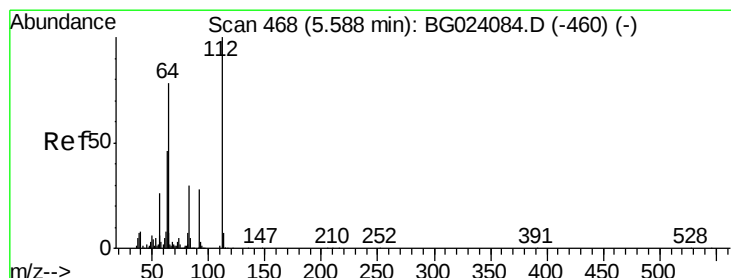
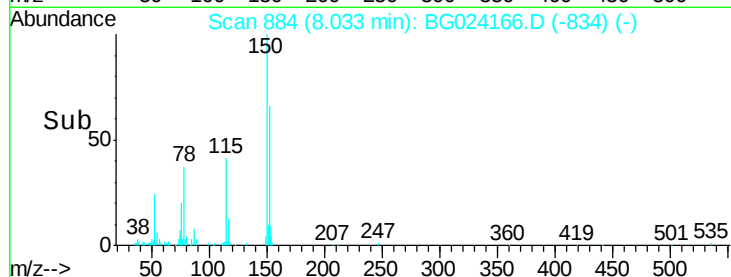
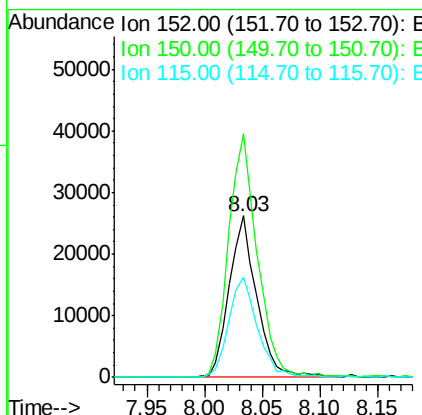
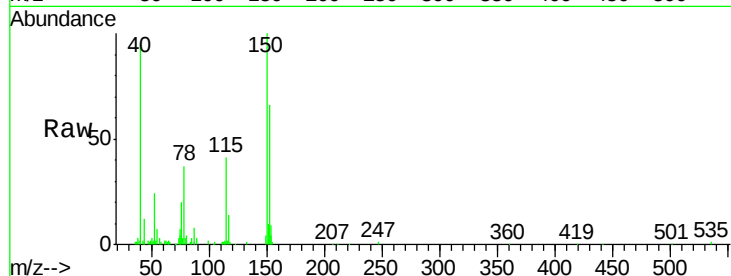


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 884
Delta R.T. -0.00 min
Lab File: BG024166.D
Acq: 30 Sep 2016 19:22

Instrument :
BNA_G
ClientSampleId :
SUP-B057-3-6

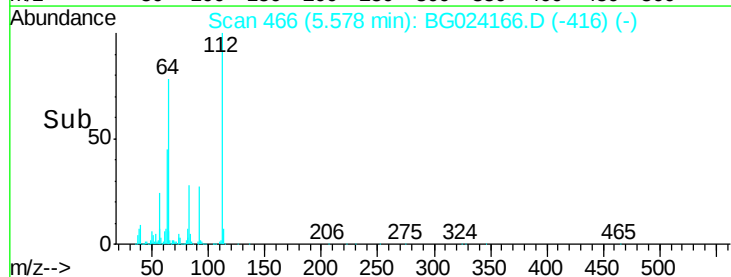
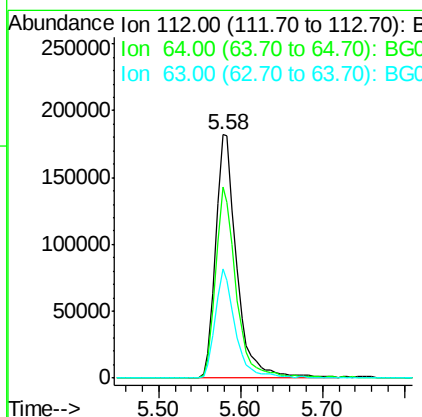
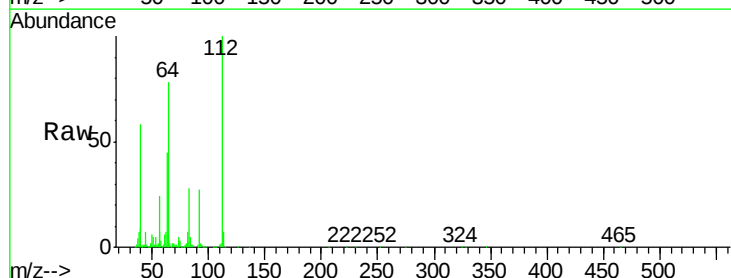
Tgt Ion:152 Resp: 43414
Ion Ratio Lower Upper
152 100
150 151.0 144.7 217.1
115 62.3 64.0 96.0#

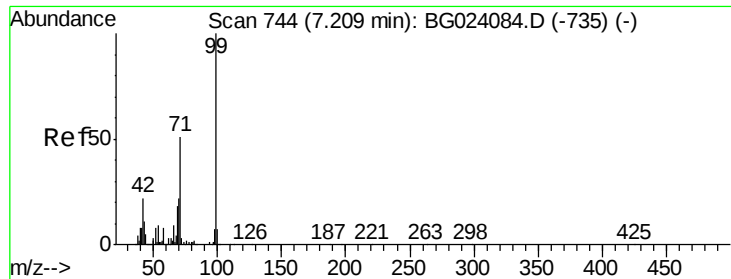


#5

2-Fluorophenol
Concen: 131.45 ng
RT: 5.58 min Scan# 466
Delta R.T. -0.01 min
Lab File: BG024166.D
Acq: 30 Sep 2016 19:22

Tgt Ion:112 Resp: 329400
Ion Ratio Lower Upper
112 100
64 78.5 59.0 88.4
63 44.9 37.8 56.8





#7

Phenol-d6

Concen: 116.63 ng

RT: 7.20 min Scan# 742

Delta R.T. -0.01 min

Lab File: BG024166.D

Acq: 30 Sep 2016 19:22

Instrument :

BNA_G

ClientSampleId :

SUP-B057-3-6

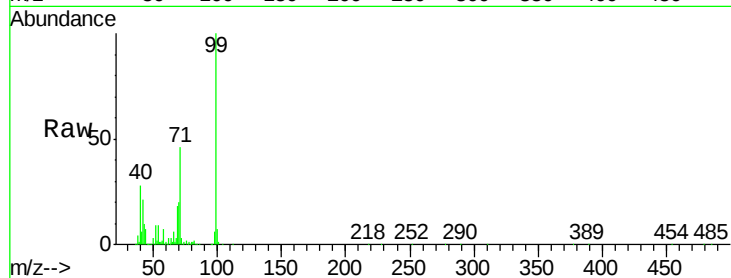
Tgt Ion: 99 Resp: 491762

Ion Ratio Lower Upper

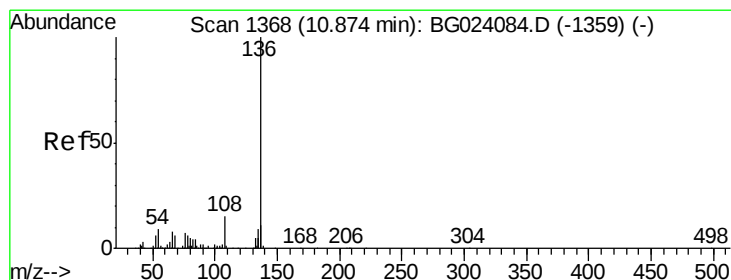
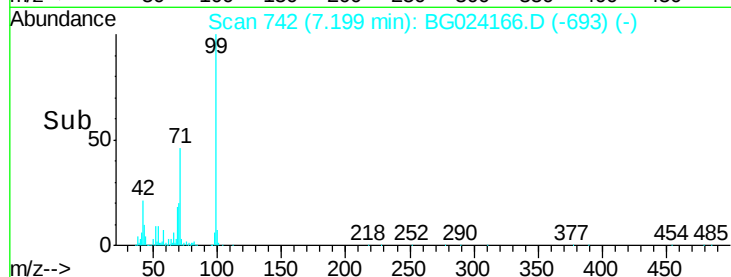
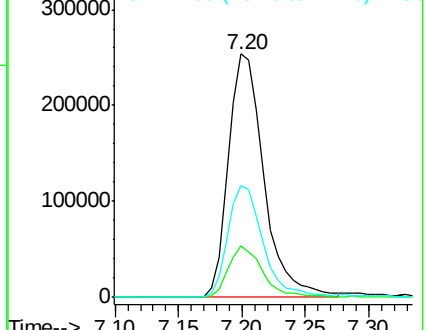
99 100

42 20.9 17.8 26.6

71 45.7 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: 10.86 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BG024166.D

Acq: 30 Sep 2016 19:22

Tgt Ion: 136 Resp: 191317

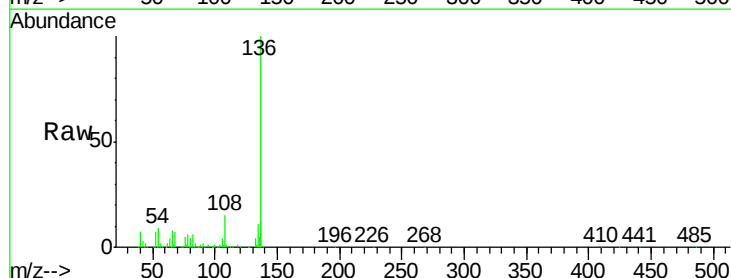
Ion Ratio Lower Upper

136 100

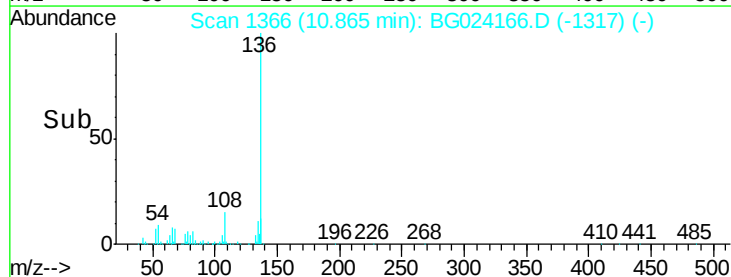
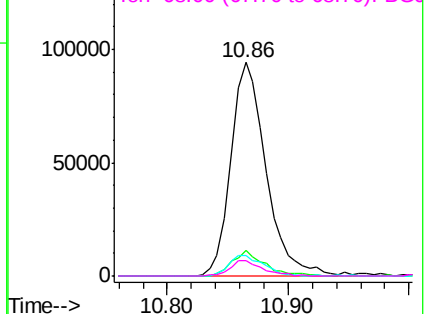
137 12.1 9.6 14.4

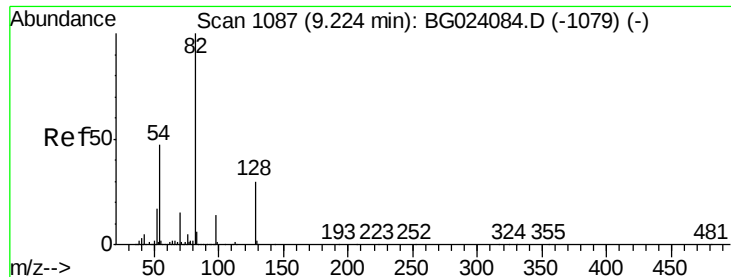
54 9.4 7.3 10.9

68 7.5 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

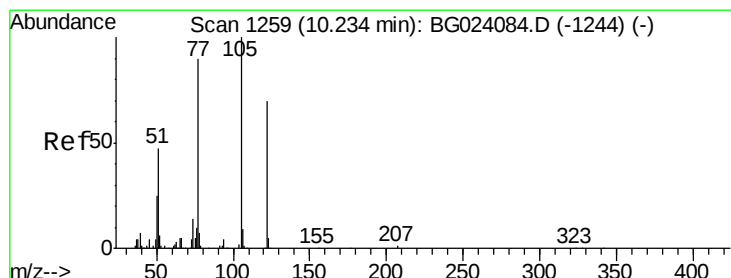
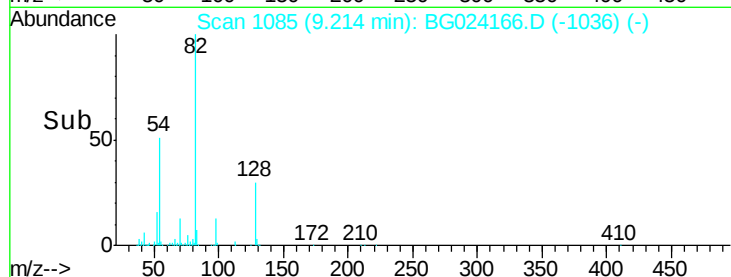
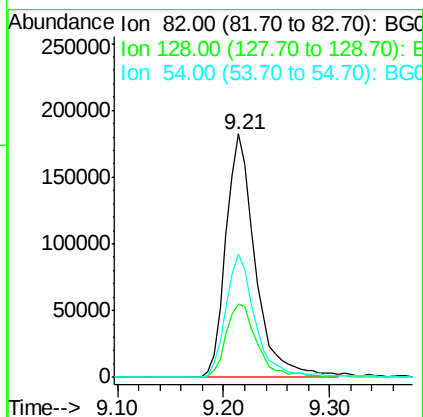
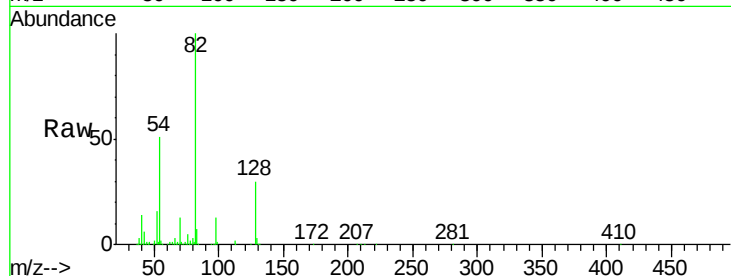




#23
 Nitrobenzene-d5
 Concen: 72.23 ng
 RT: 9.21 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: BG024166.D
 Acq: 30 Sep 2016 19:22

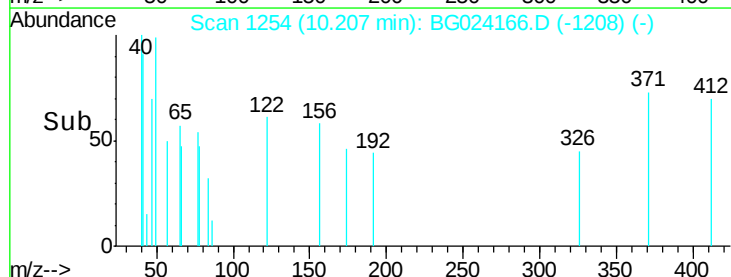
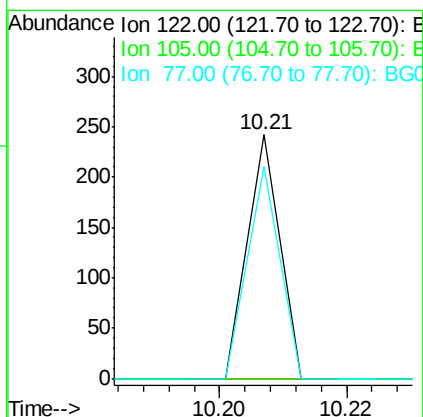
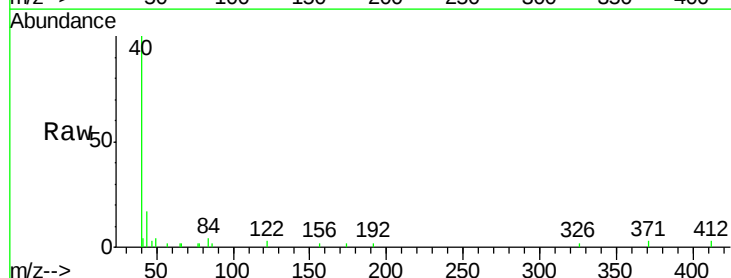
Instrument :
 BNA_G
 ClientSampleId :
 SUP-B057-3-6

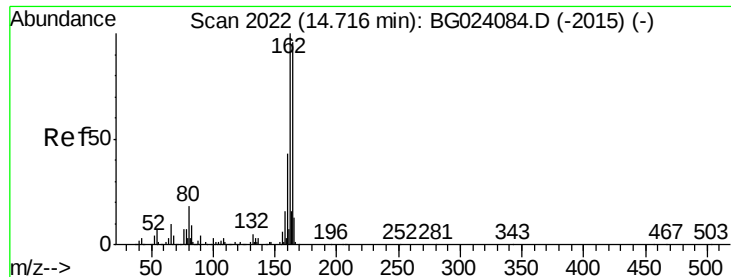
Tgt Ion	Ratio	Lower	Upper
82	100		
128	30.1	24.4	36.6
54	50.6	41.4	62.0



#32
 Benzoic acid
 Concen: 2.19 ng
 RT: 10.21 min Scan# 1254
 Delta R.T. -0.03 min
 Lab File: BG024166.D
 Acq: 30 Sep 2016 19:22

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	117.2	157.2#
77	87.2	109.2	149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BG024166.D

Acq: 30 Sep 2016 19:22

Instrument :

BNA_G

ClientSampleId :

SUP-B057-3-6

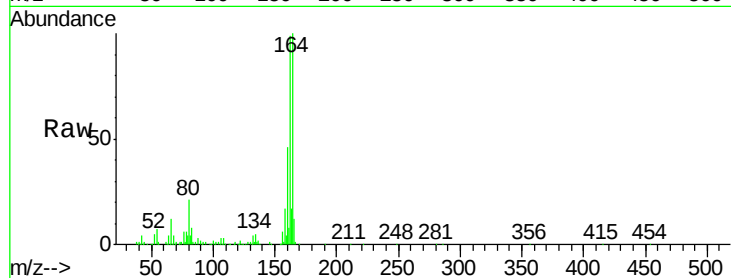
Tgt Ion:164 Resp: 163403

Ion Ratio Lower Upper

164 100

162 99.4 87.7 131.5

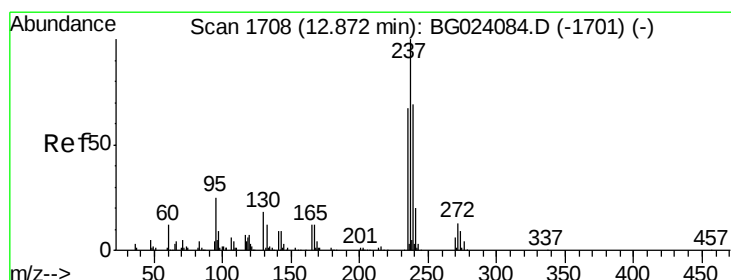
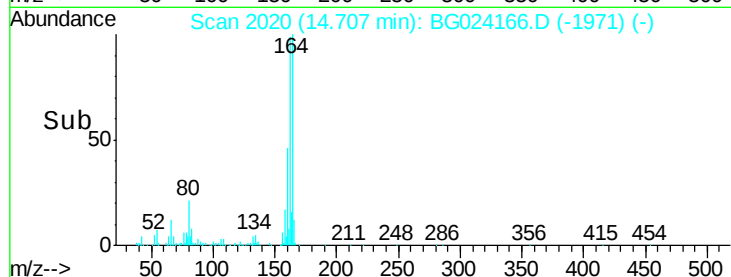
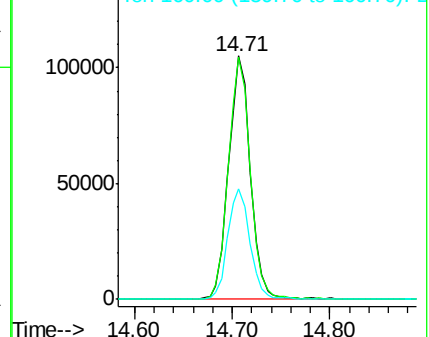
160 45.5 37.2 55.8



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: 3.68 ng

RT: 12.84 min Scan# 1703

Delta R.T. -0.03 min

Lab File: BG024166.D

Acq: 30 Sep 2016 19:22

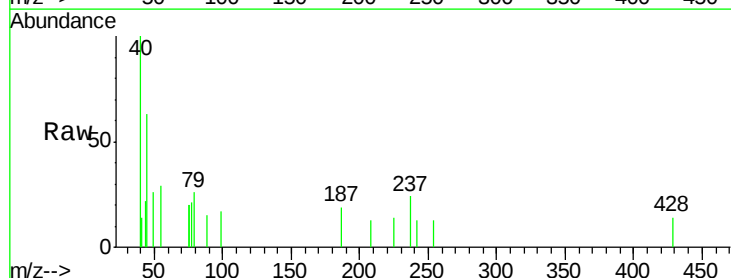
Tgt Ion:237 Resp: 160

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

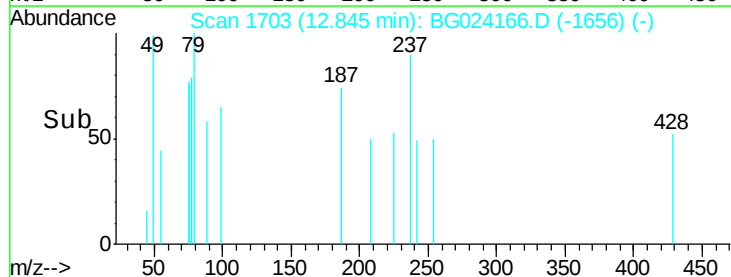
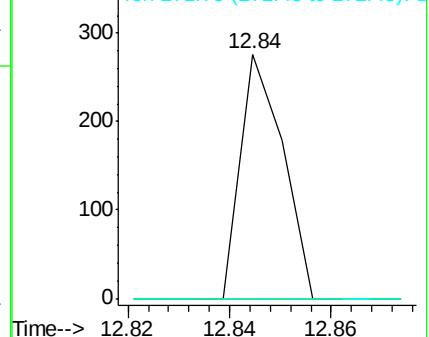
272 0.0 0.0 30.9

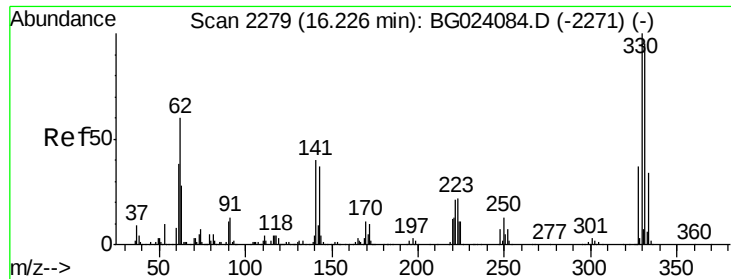


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

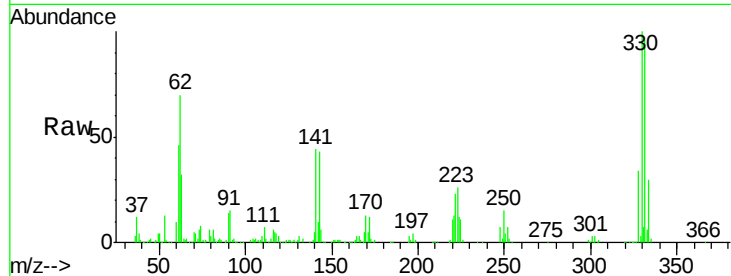




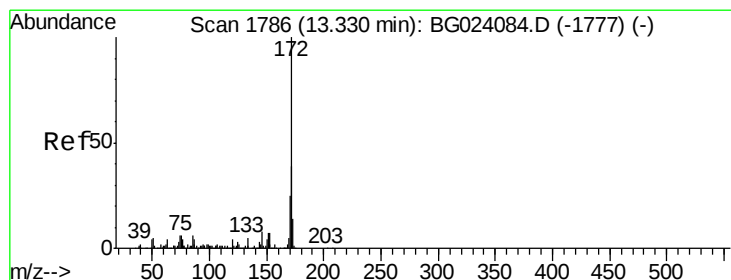
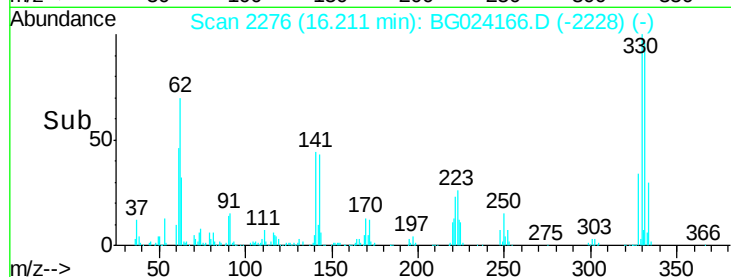
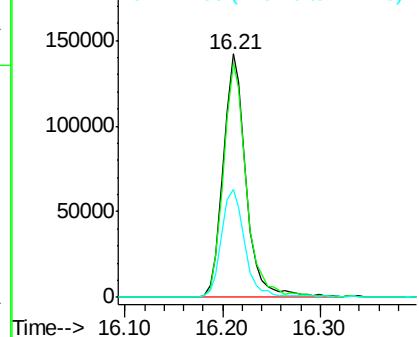
#41
 2,4,6-Tribromophenol
 Concen: 97.81 ng
 RT: 16.21 min Scan# 2276
 Delta R.T. -0.02 min
 Lab File: BG024166.D
 Acq: 30 Sep 2016 19:22

Instrument :
 BNA_G
 ClientSampleId :
 SUP-B057-3-6

Tgt Ion:330 Resp: 229721
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.4 116.2
 141 45.5 31.7 47.5

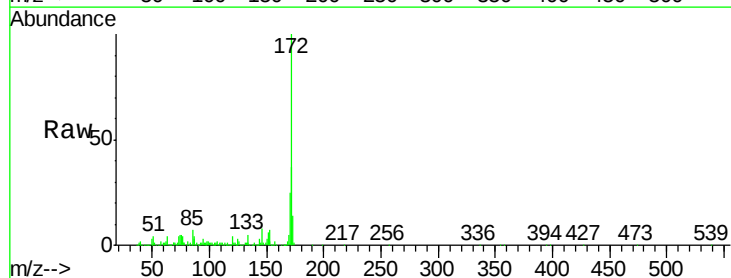


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

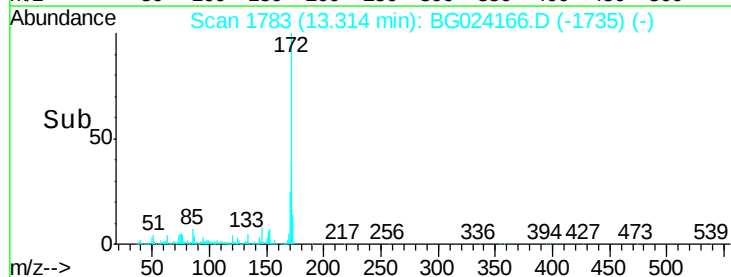
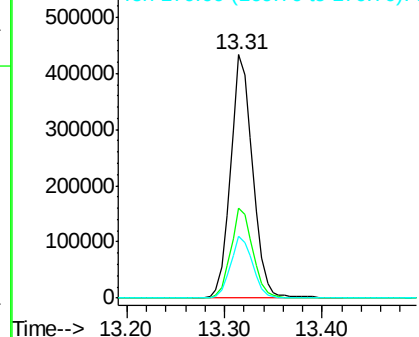


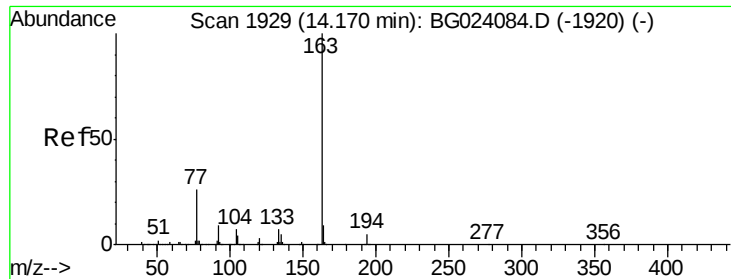
#44
 2-Fluorobiphenyl
 Concen: 69.77 ng
 RT: 13.31 min Scan# 1783
 Delta R.T. -0.02 min
 Lab File: BG024166.D
 Acq: 30 Sep 2016 19:22

Tgt Ion:172 Resp: 678219
 Ion Ratio Lower Upper
 172 100
 171 36.7 31.6 47.4
 170 25.3 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





#49

Dimethylphthalate

Concen: 30.24 ng

RT: 14.15 min Scan# 1926

Delta R.T. -0.02 min

Lab File: BG024166.D

Acq: 30 Sep 2016 19:22

Instrument :

BNA_G

ClientSampleId :

SUP-B057-3-6

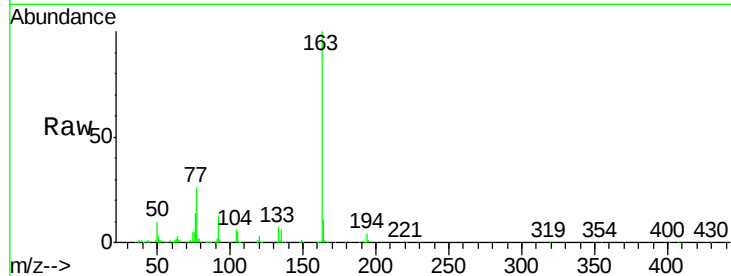
Tgt Ion:163 Resp: 379102

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

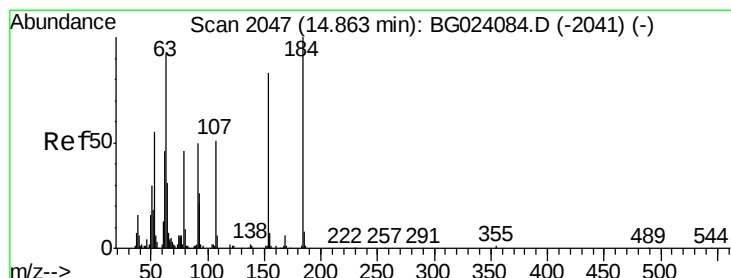
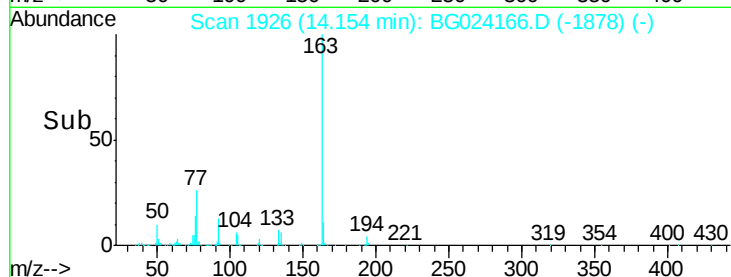
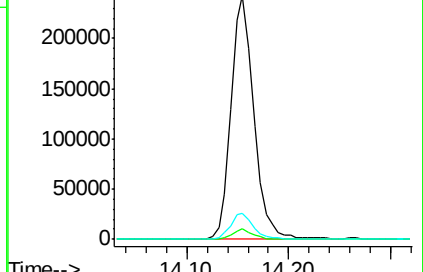
164 10.5 8.1 12.1



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



#53

2,4-Dinitrophenol

Concen: 2.50 ng

RT: 14.92 min Scan# 2057

Delta R.T. 0.06 min

Lab File: BG024166.D

Acq: 30 Sep 2016 19:22

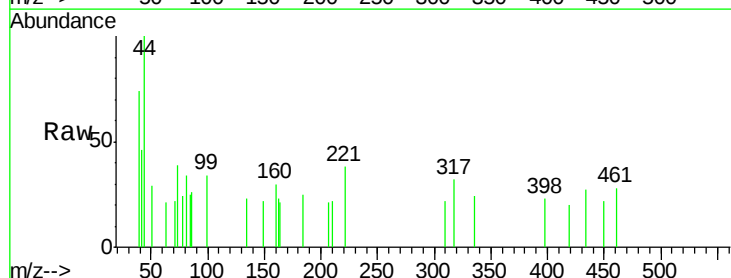
Tgt Ion:184 Resp: 67

Ion Ratio Lower Upper

184 100

63 86.9 59.6 89.4

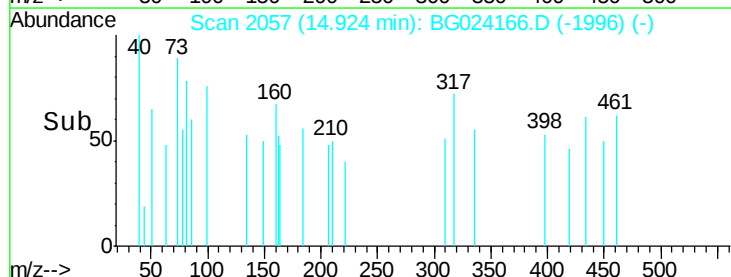
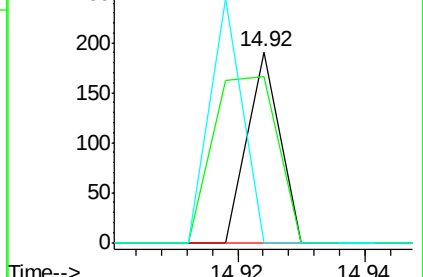
154 0.0 67.4 101.0#

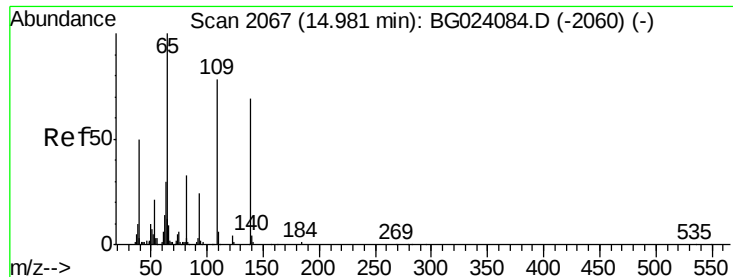


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 5.38 ng

RT: 14.96 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BG024166.D

Acq: 30 Sep 2016 19:22

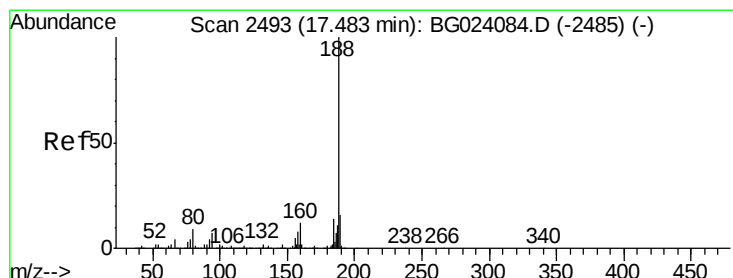
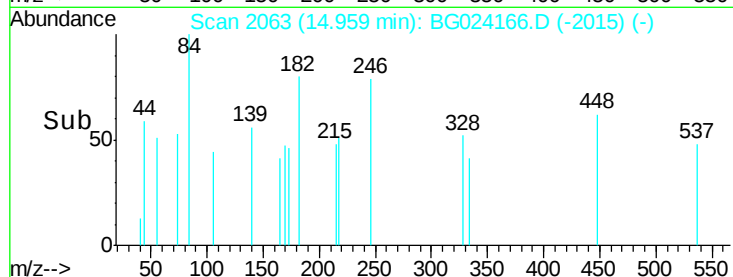
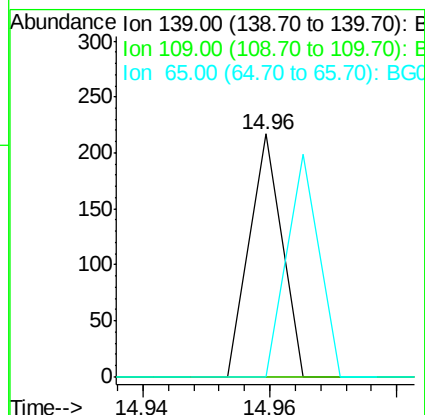
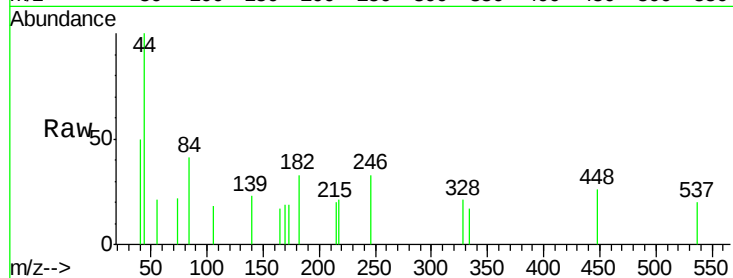
Instrument :

BNA_G

ClientSampleId :

SUP-B057-3-6

Tgt Ion:	139	Resp:	76
Ion	Ratio	Lower	Upper
139	100		
109	0.0	103.0	143.0#
65	0.0	112.7	152.7#



#63

Phenanthrene-d10

Concen: 20.00 ng

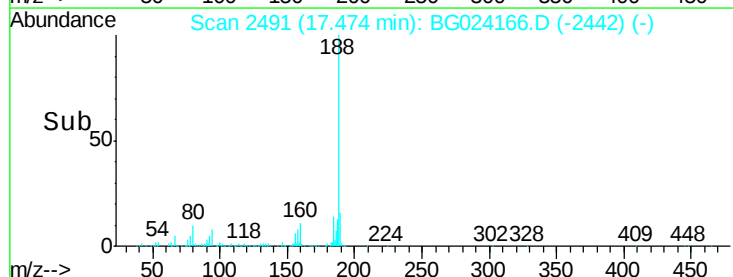
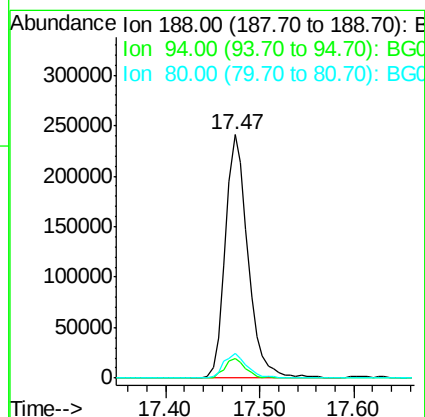
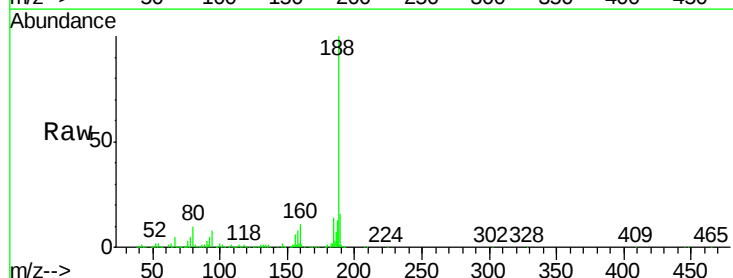
RT: 17.47 min Scan# 2491

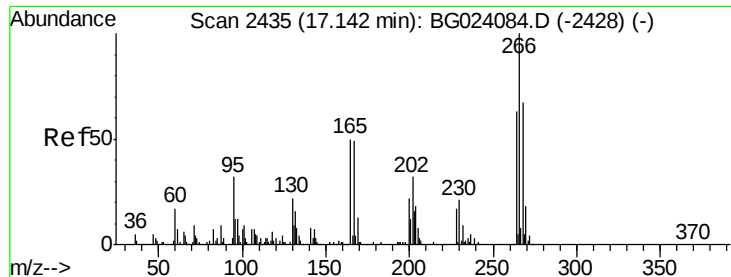
Delta R.T. -0.01 min

Lab File: BG024166.D

Acq: 30 Sep 2016 19:22

Tgt Ion:	188	Resp:	405299
Ion	Ratio	Lower	Upper
188	100		
94	8.0	5.2	7.8#
80	10.0	7.2	10.8

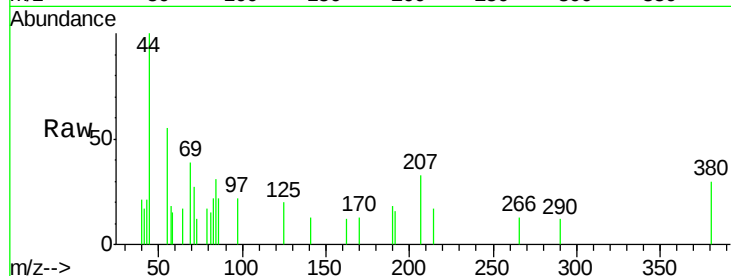




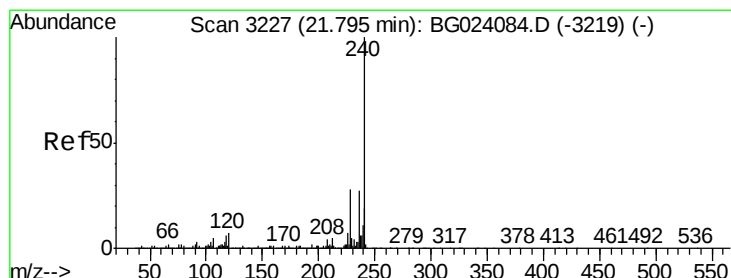
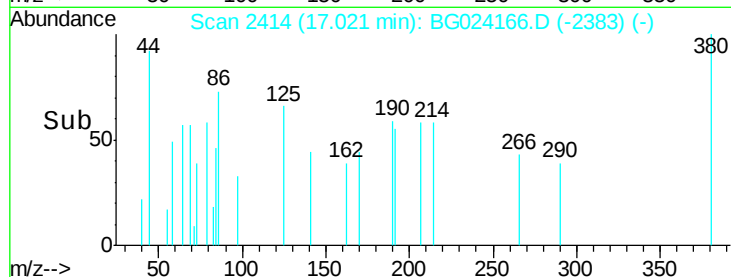
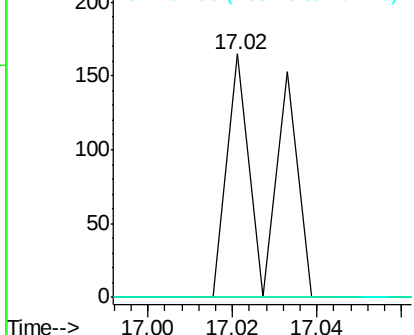
#69
 Pentachlorophenol
 Concen: 3.60 ng
 RT: 17.02 min Scan# 2414
 Delta R.T. -0.12 min
 Lab File: BG024166.D
 Acq: 30 Sep 2016 19:22

Instrument :
 BNA_G
 ClientSampleId :
 SUP-B057-3-6

Tgt Ion: 266 Resp: 112
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.9 77.9#
 264 0.0 50.6 75.8#

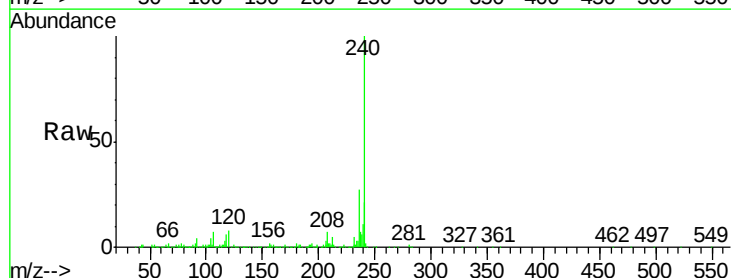


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

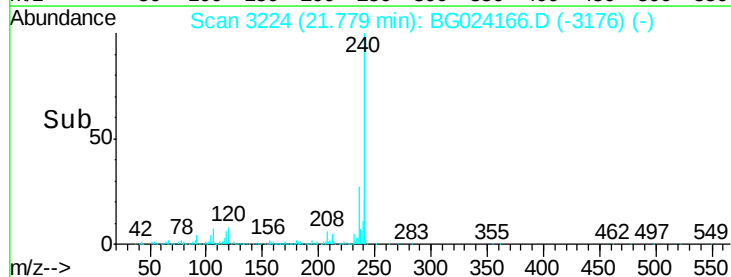
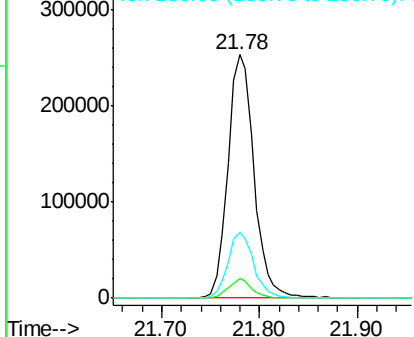


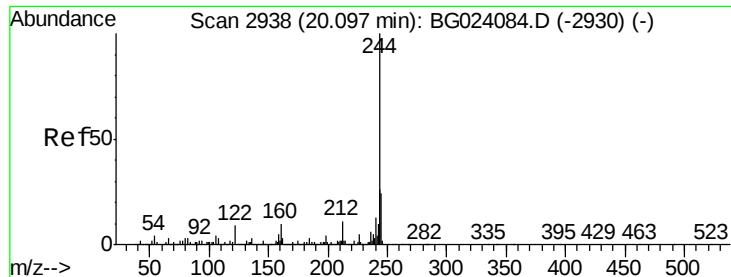
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.78 min Scan# 3224
 Delta R.T. -0.02 min
 Lab File: BG024166.D
 Acq: 30 Sep 2016 19:22

Tgt Ion: 240 Resp: 469833
 Ion Ratio Lower Upper
 240 100
 120 8.2 4.1 6.1#
 236 27.0 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: 54.93 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.02 min

Lab File: BG024166.D

Acq: 30 Sep 2016 19:22

Instrument :

BNA_G

ClientSampleId :

SUP-B057-3-6

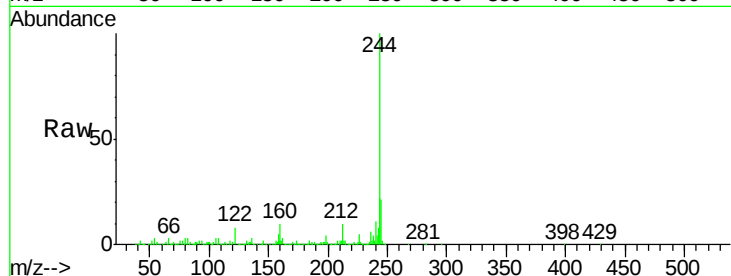
Tgt Ion:244 Resp: 1260426

Ion Ratio Lower Upper

244 100

212 9.7 10.8 16.2#

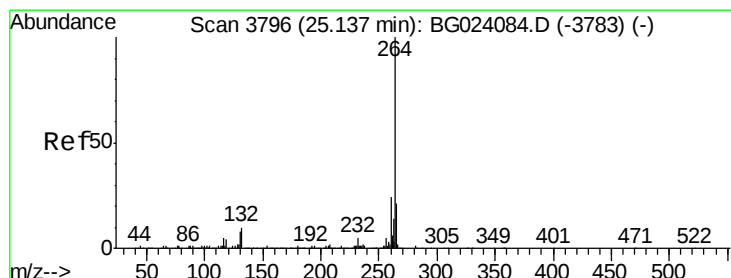
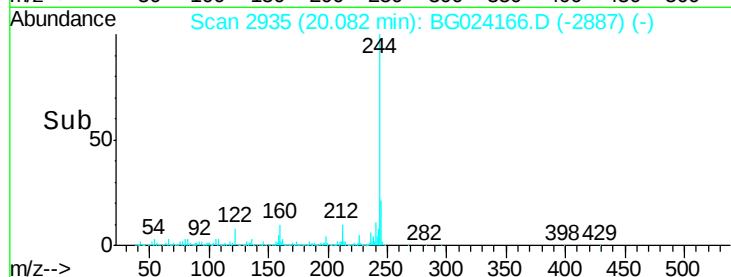
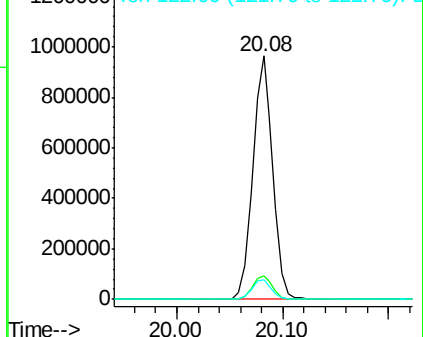
122 8.2 8.0 12.0



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: 25.11 min Scan# 3791

Delta R.T. -0.03 min

Lab File: BG024166.D

Acq: 30 Sep 2016 19:22

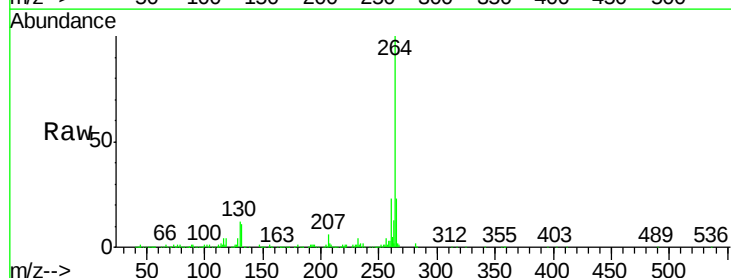
Tgt Ion:264 Resp: 453789

Ion Ratio Lower Upper

264 100

260 23.0 18.4 27.6

265 22.8 18.9 28.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

