

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG093016\
 Data File : BG024167.D
 Acq On : 30 Sep 2016 20:00
 Operator : UM/SJ
 Sample : H4998-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SUP-B057-12-14

Quant Time: Oct 01 00:19:03 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

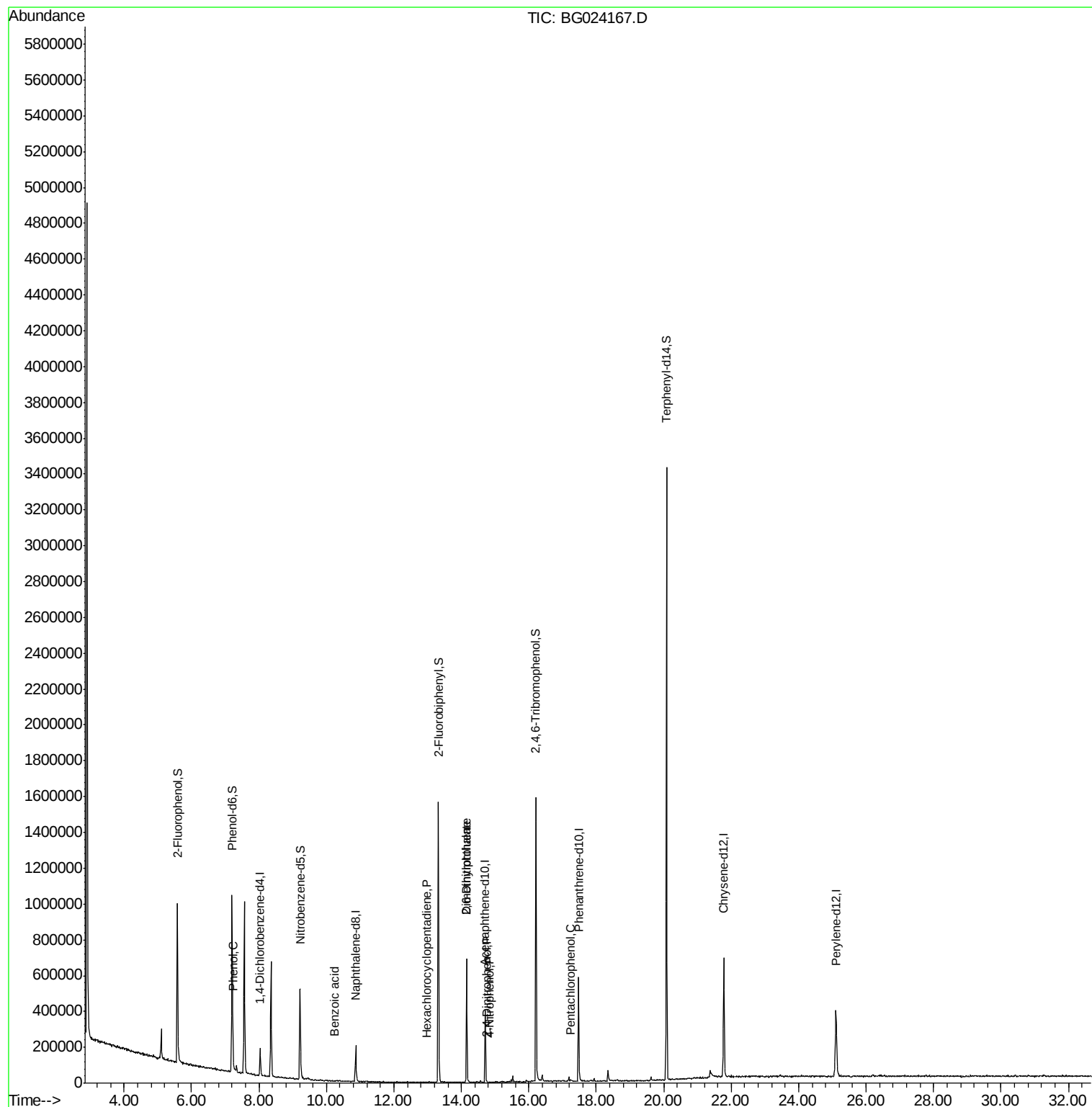
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	39116	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	178068	20.00	ng	0.00
38) Acenaphthene-d10	14.70	164	152108	20.00	ng	-0.01
63) Phenanthrene-d10	17.48	188	361322	20.00	ng	0.00
75) Chrysene-d12	21.78	240	430234	20.00	ng	-0.02
86) Perylene-d12	25.11	264	411374	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	373486	165.42	ng	0.00
7) Phenol-d6	7.20	99	569564	149.92	ng	0.00
23) Nitrobenzene-d5	9.22	82	370614	82.03	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	275480	126.00	ng	-0.02
44) 2-Fluorobiphenyl	13.32	172	754526	83.38	ng	-0.01
78) Terphenyl-d14	20.08	244	1417863	67.48	ng	-0.02
Target Compounds						
10) Phenol	7.23	94	9035	2.26	ng	# 60
32) Benzoic acid	10.23	122	59	2.18	ng	# 1
40) Hexachlorocyclopentadiene	12.96	237	56	3.62	ng	# 26
49) Dimethylphthalate	14.15	163	422652	36.22	ng	99
50) 2,6-Dinitrotoluene	14.15	165	5319	2.17	ng	# 2
53) 2,4-Dinitrophenol	14.76	184	229	2.62	ng	# 10
55) 4-Nitrophenol	14.84	139	61	5.37	ng	# 1
69) Pentachlorophenol	17.25	266	83	3.60	ng	# 18

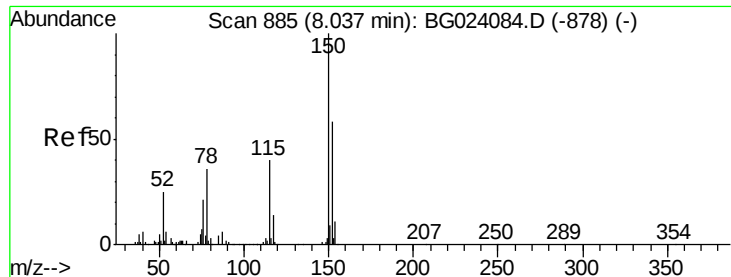
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 23 15:35:28 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. -0.00 min

Lab File: BG024167.D

Acq: 30 Sep 2016 20:00

Instrument :

BNA_G

ClientSampleId :

SUP-B057-12-14

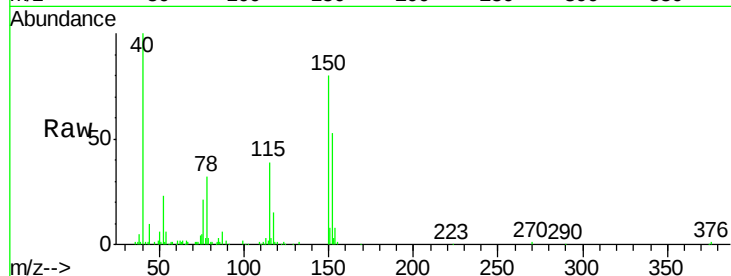
Tgt Ion:152 Resp: 39116

Ion Ratio Lower Upper

152 100

150 150.2 144.7 217.1

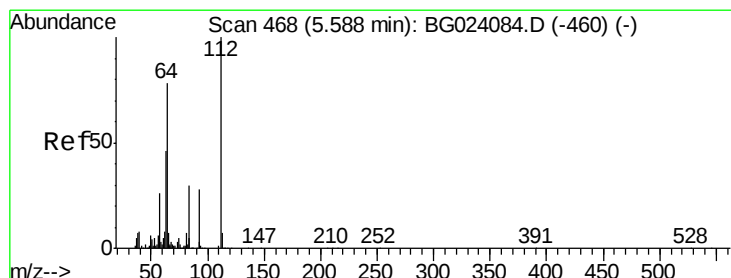
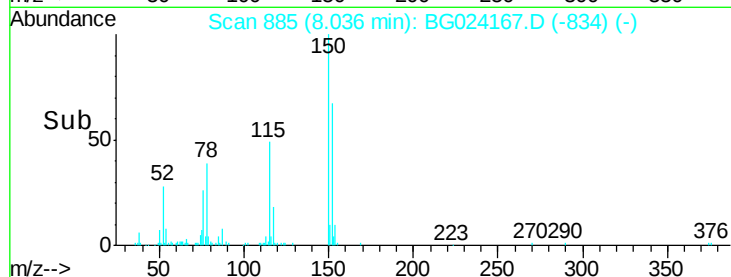
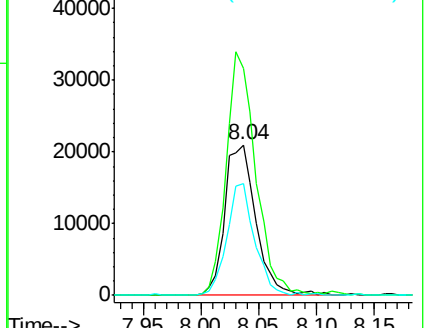
115 73.8 64.0 96.0



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: 165.42 ng

RT: 5.58 min Scan# 467

Delta R.T. -0.01 min

Lab File: BG024167.D

Acq: 30 Sep 2016 20:00

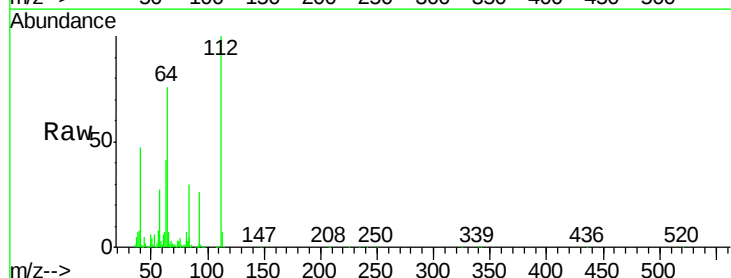
Tgt Ion:112 Resp: 373486

Ion Ratio Lower Upper

112 100

64 75.7 59.0 88.4

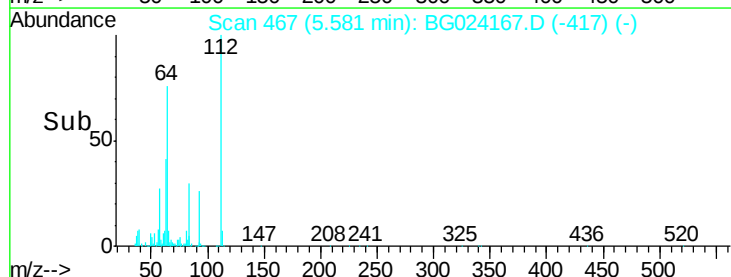
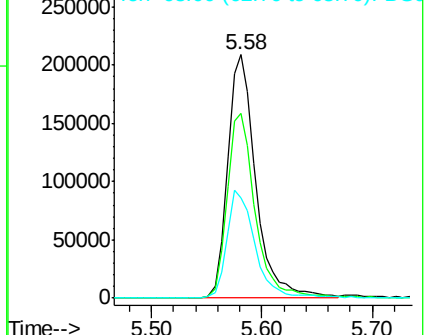
63 41.3 37.8 56.8

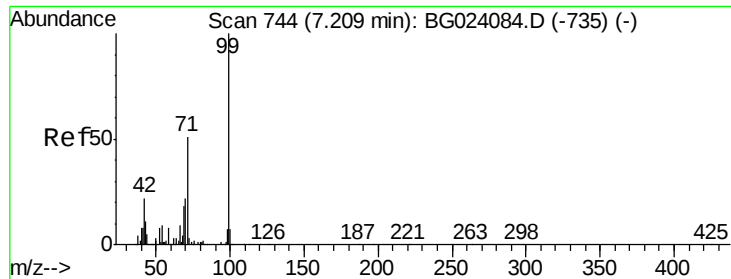


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 149.92 ng

RT: 7.20 min Scan# 743

Delta R.T. -0.01 min

Lab File: BG024167.D

Acq: 30 Sep 2016 20:00

Instrument :

BNA_G

ClientSampleId :

SUP-B057-12-14

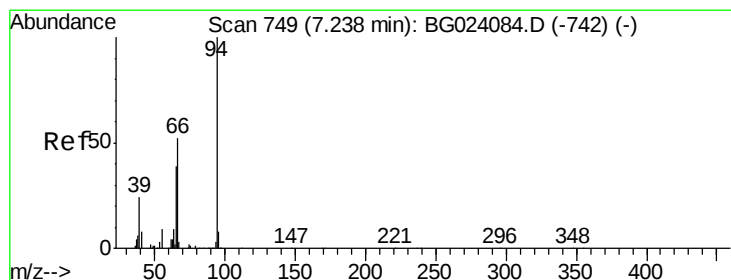
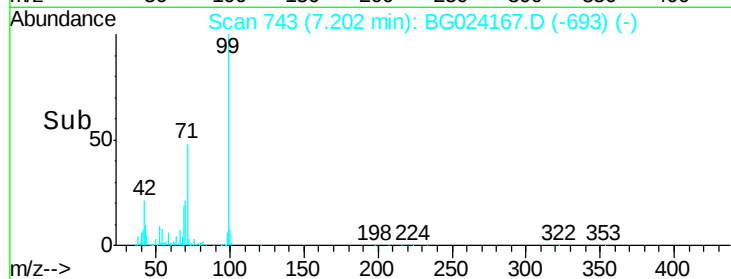
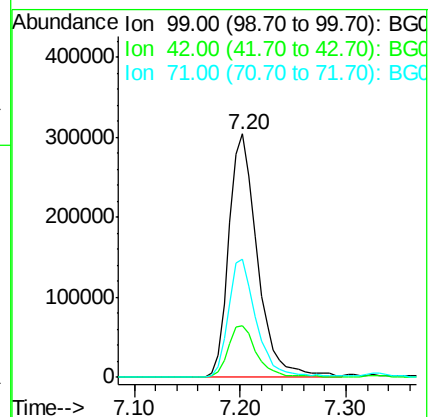
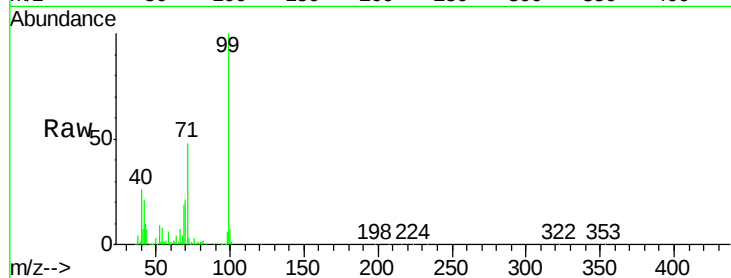
Tgt Ion: 99 Resp: 569564

Ion Ratio Lower Upper

99 100

42 21.3 17.8 26.6

71 48.3 41.5 62.3



#10

Phenol

Concen: 2.26 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.01 min

Lab File: BG024167.D

Acq: 30 Sep 2016 20:00

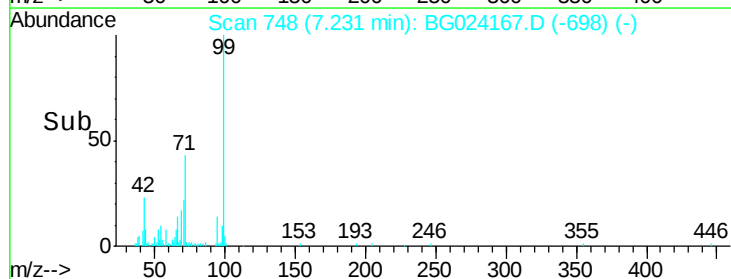
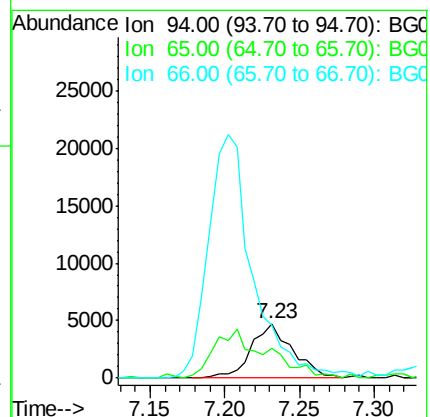
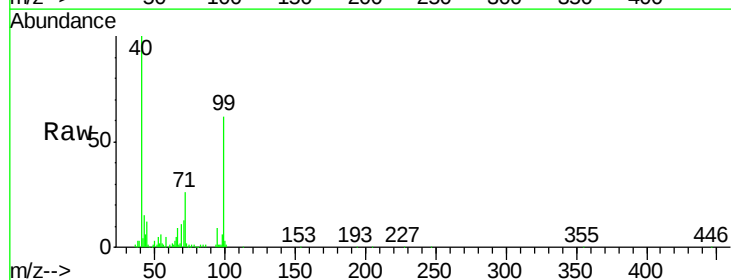
Tgt Ion: 94 Resp: 9035

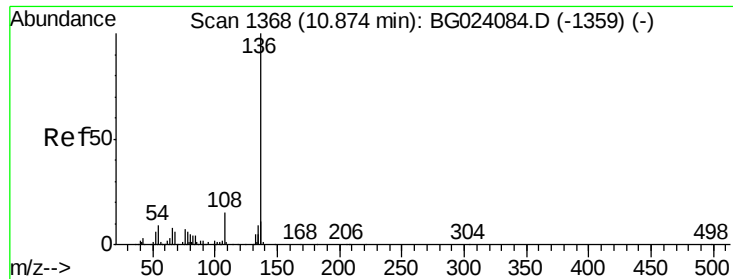
Ion Ratio Lower Upper

94 100

65 55.9 18.1 58.1

66 97.5 42.1 82.1#

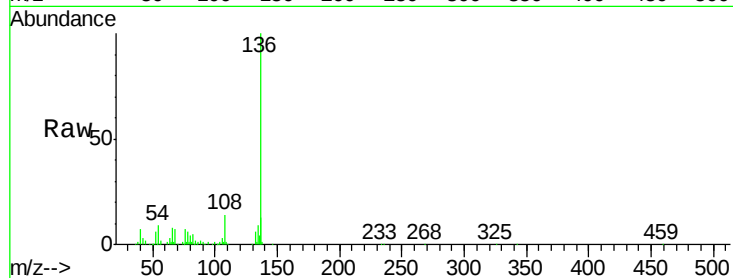




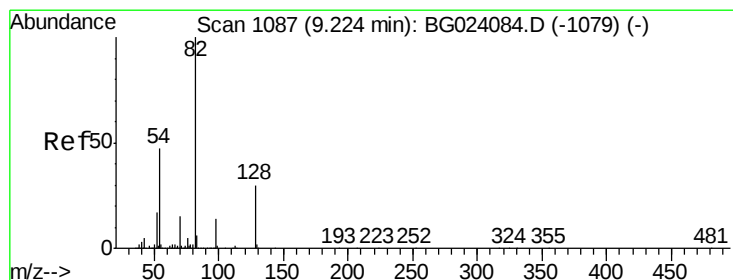
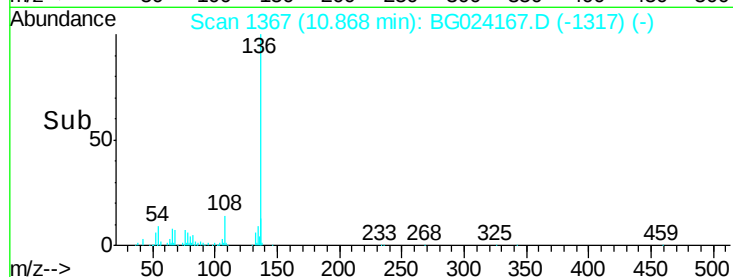
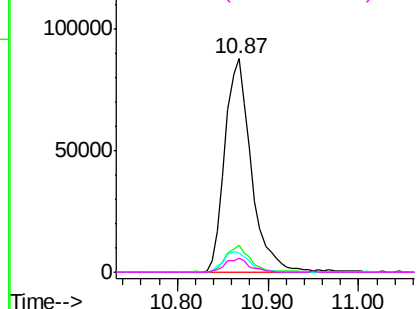
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.87 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BG024167.D
Acq: 30 Sep 2016 20:00

Instrument :
BNA_G
ClientSampleId :
SUP-B057-12-14

Tgt Ion:	136	Resp:	178068
Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.6	14.4
54	9.2	7.3	10.9
68	6.6	5.3	7.9

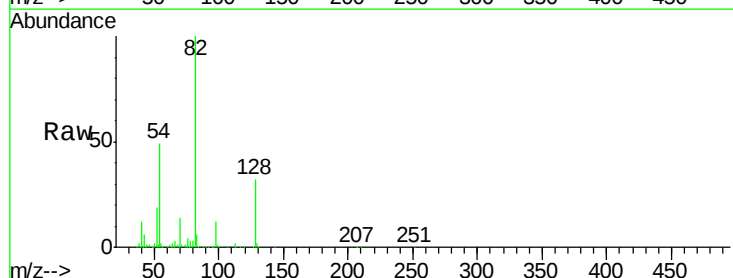


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

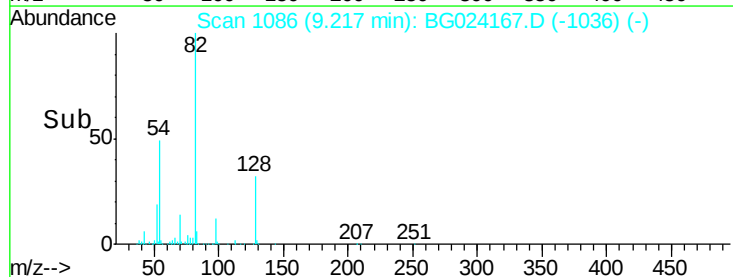
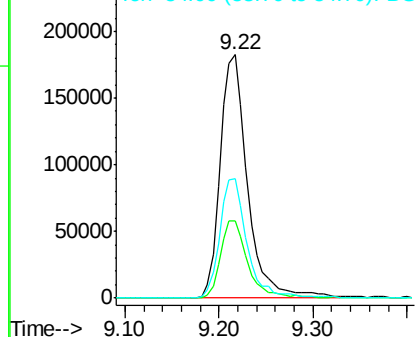


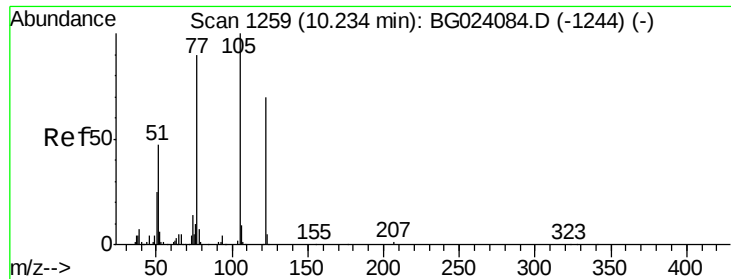
#23
Nitrobenzene-d5
Concen: 82.03 ng
RT: 9.22 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BG024167.D
Acq: 30 Sep 2016 20:00

Tgt Ion:	82	Resp:	370614
Ion	Ratio	Lower	Upper
82	100		
128	31.8	24.4	36.6
54	49.1	41.4	62.0



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





#32

Benzoic acid

Concen: 2.18 ng

RT: 10.23 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BG024167.D

Acq: 30 Sep 2016 20:00

Instrument :

BNA_G

ClientSampleId :

SUP-B057-12-14

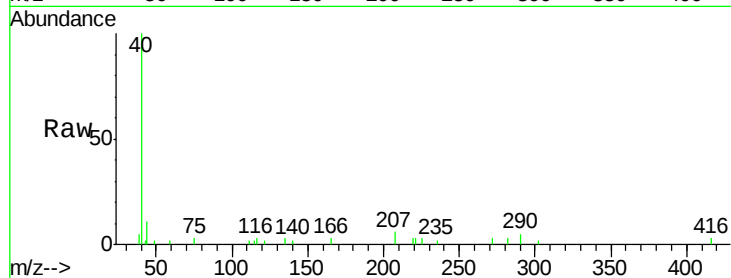
Tgt Ion:122 Resp: 59

Ion Ratio Lower Upper

122 100

105 0.0 117.2 157.2#

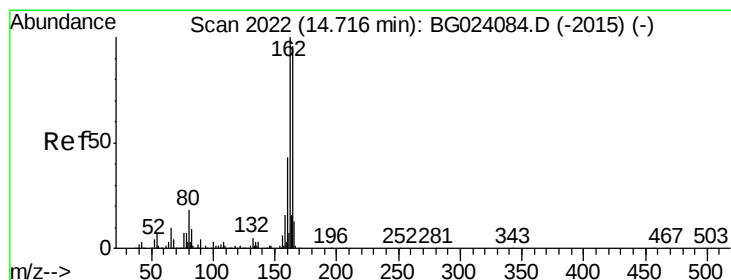
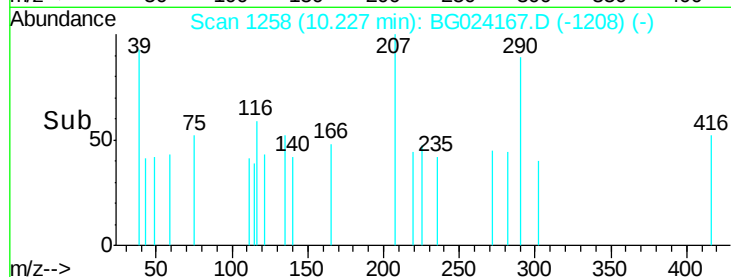
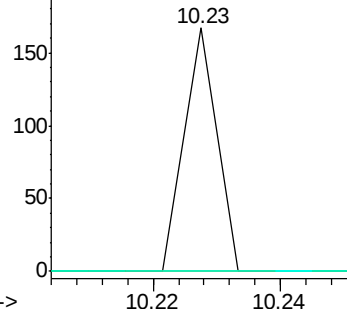
77 0.0 109.2 149.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.70 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BG024167.D

Acq: 30 Sep 2016 20:00

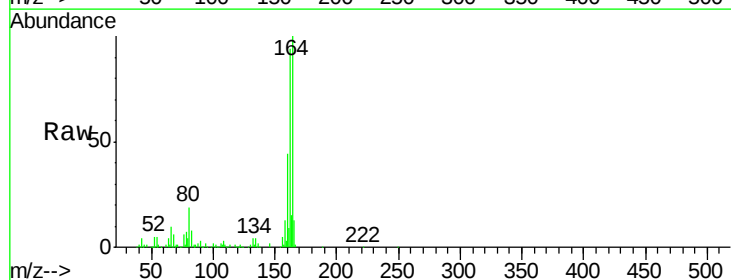
Tgt Ion:164 Resp: 152108

Ion Ratio Lower Upper

164 100

162 94.1 87.7 131.5

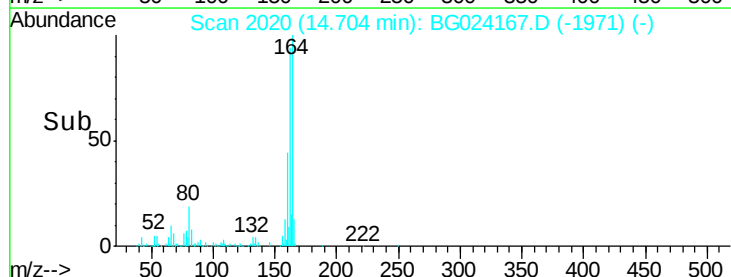
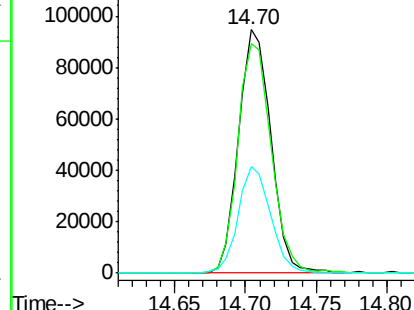
160 43.9 37.2 55.8

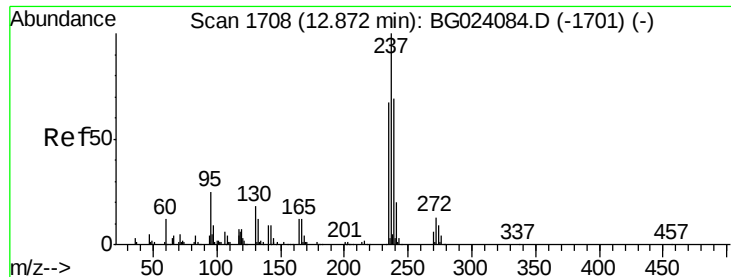


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#40

Hexachlorocyclopentadiene

Concen: 3.62 ng

RT: 12.96 min Scan# 1724

Delta R.T. 0.09 min

Lab File: BG024167.D

Acq: 30 Sep 2016 20:00

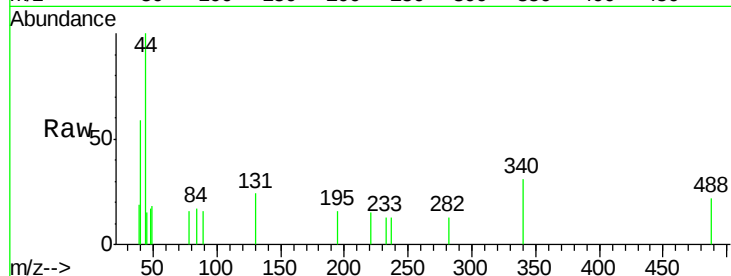
Instrument :

BNA_G

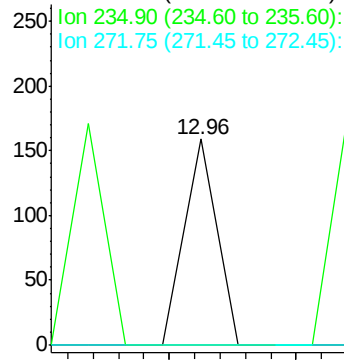
ClientSampleId :

SUP-B057-12-14

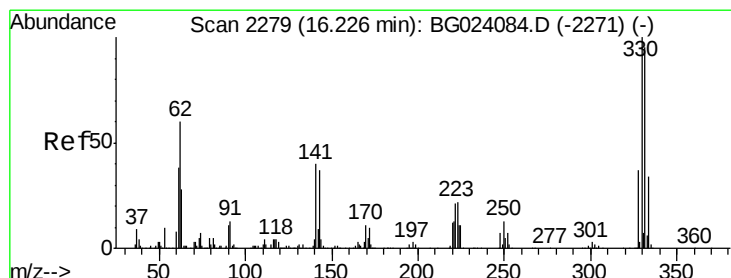
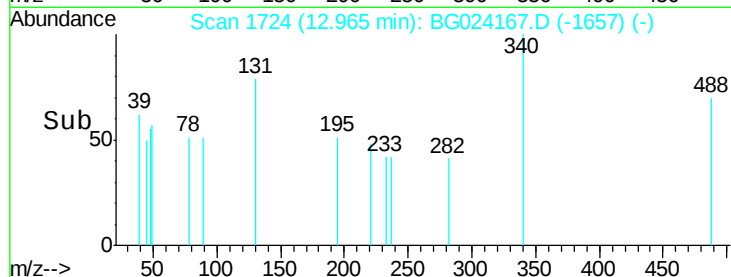
Tgt Ion:	237	Resp:	56
Ion Ratio	Lower	Upper	
237	100		
235	0.0	43.1	83.1#
272	0.0	0.0	30.9



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



Time-->



#41

2,4,6-Tribromophenol

Concen: 126.00 ng

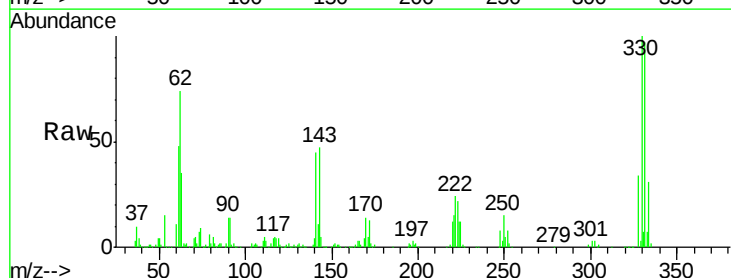
RT: 16.21 min Scan# 2276

Delta R.T. -0.02 min

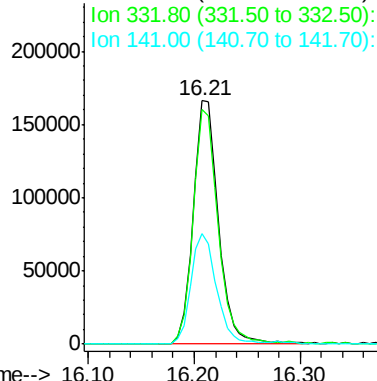
Lab File: BG024167.D

Acq: 30 Sep 2016 20:00

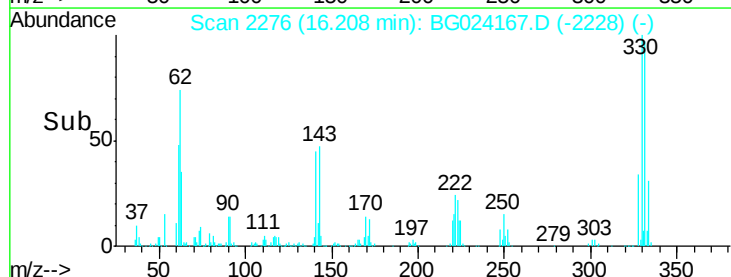
Tgt Ion:	330	Resp:	275480
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.4	116.2
141	46.1	31.7	47.5

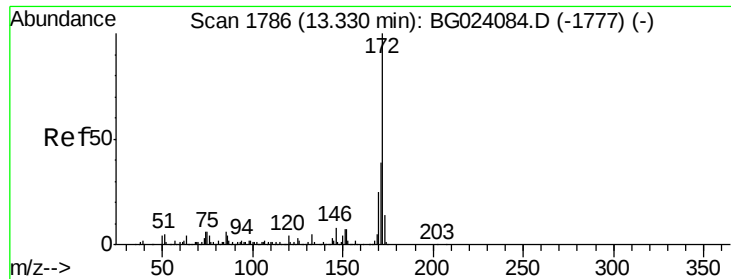


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->

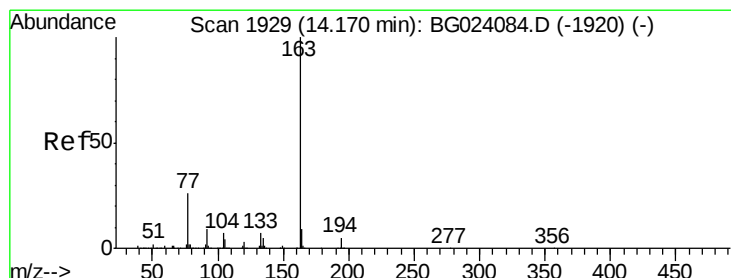
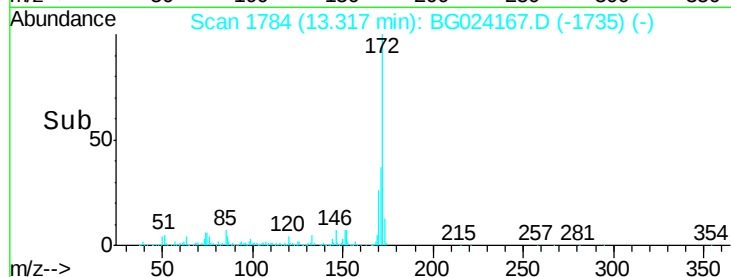
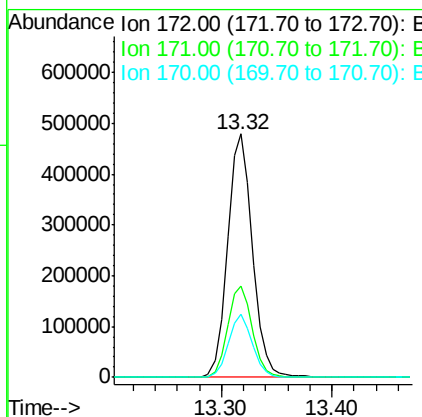
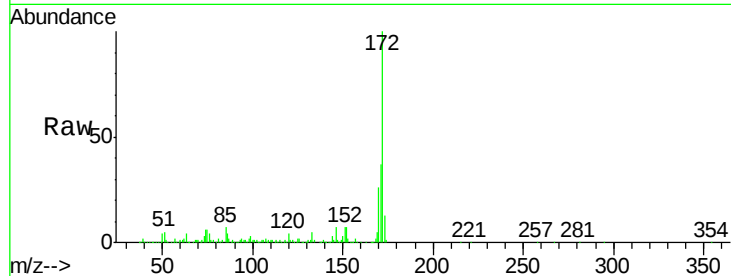




#44
 2-Fluorobiphenyl
 Concen: 83.38 ng
 RT: 13.32 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BG024167.D
 Acq: 30 Sep 2016 20:00

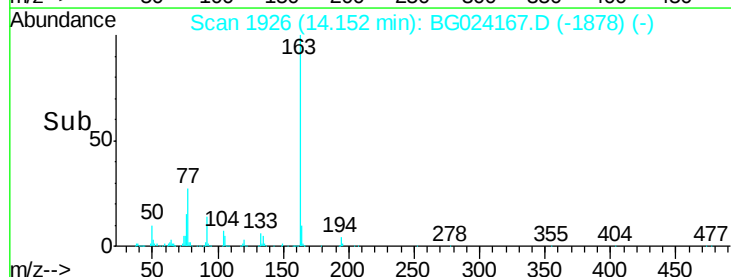
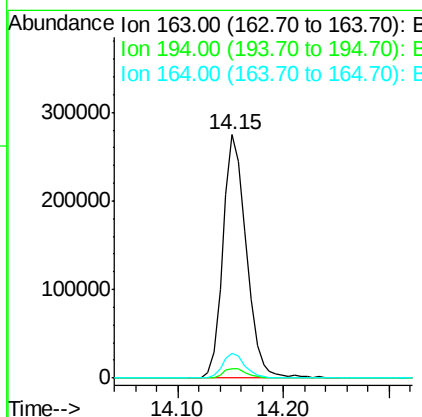
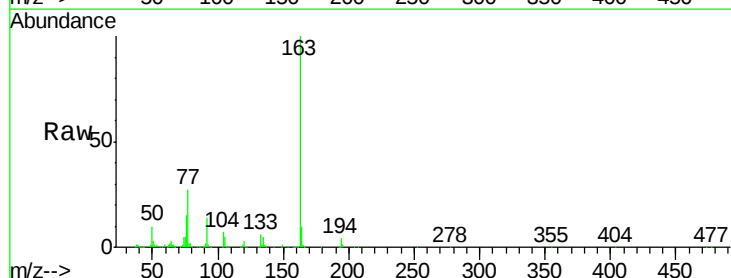
Instrument :
 BNA_G
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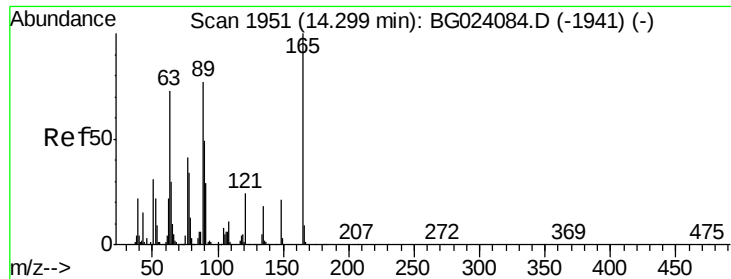
Tgt Ion:172 Resp: 754526
 Ion Ratio Lower Upper
 172 100
 171 37.5 31.6 47.4
 170 25.9 21.3 31.9



#49
 Dimethylphthalate
 Concen: 36.22 ng
 RT: 14.15 min Scan# 1926
 Delta R.T. -0.02 min
 Lab File: BG024167.D
 Acq: 30 Sep 2016 20:00

Tgt Ion:163 Resp: 422652
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.6 5.4
 164 10.3 8.1 12.1

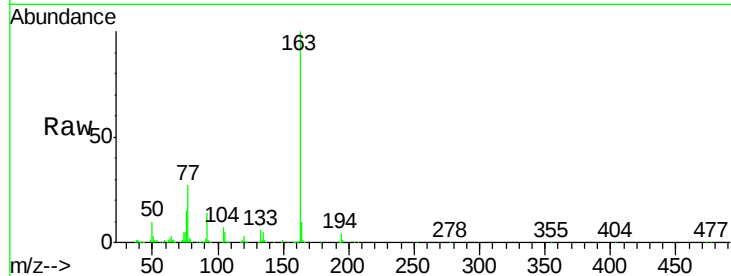




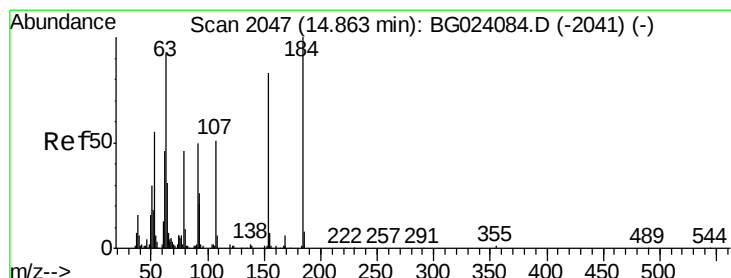
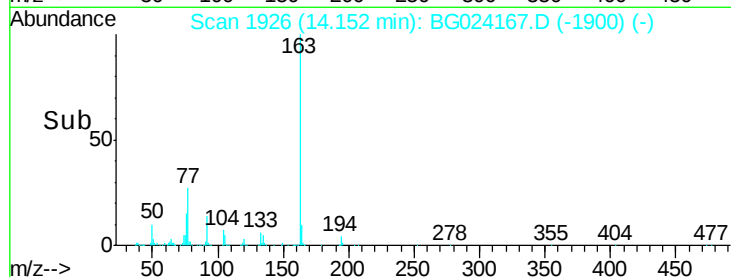
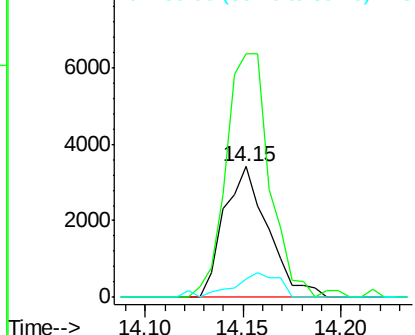
#50
2,6-Dinitrotoluene
Concen: 2.17 ng
RT: 14.15 min Scan# 1926
Delta R.T. -0.15 min
Lab File: BG024167.D
Acq: 30 Sep 2016 20:00

Instrument :
BNA_G
ClientSampleId :
SUP-B057-12-14

Tgt Ion:165 Resp: 5319
Ion Ratio Lower Upper
165 100
63 186.4 64.3 96.5#
89 13.8 64.3 96.5#

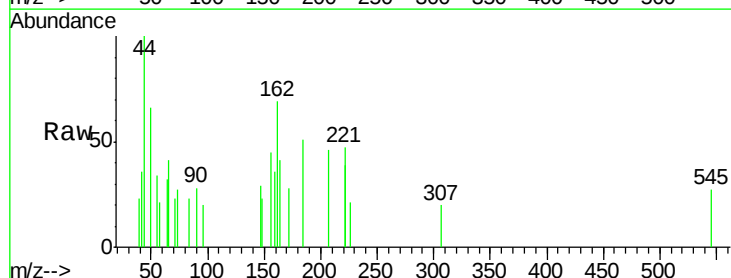


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

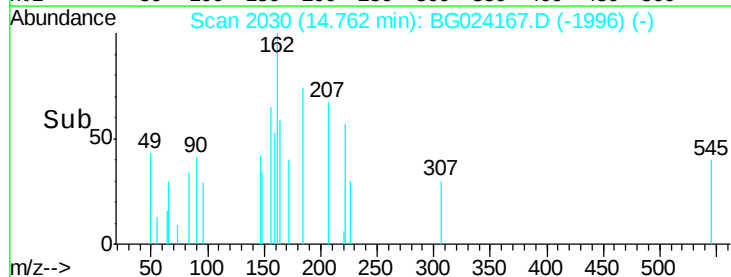
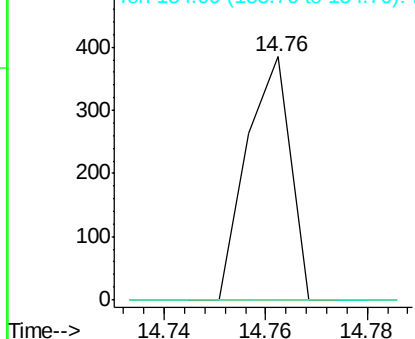


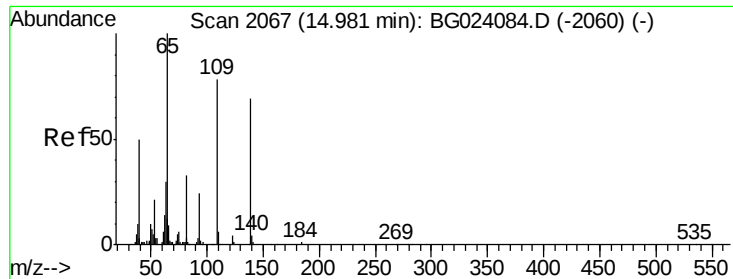
#53
2,4-Dinitrophenol
Concen: 2.62 ng
RT: 14.76 min Scan# 2030
Delta R.T. -0.10 min
Lab File: BG024167.D
Acq: 30 Sep 2016 20:00

Tgt Ion:184 Resp: 229
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): BGC
Ion 154.00 (153.70 to 154.70): E

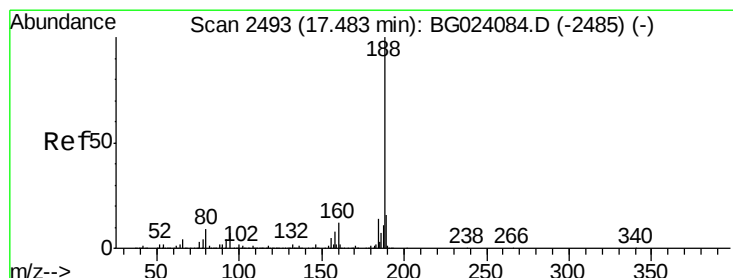
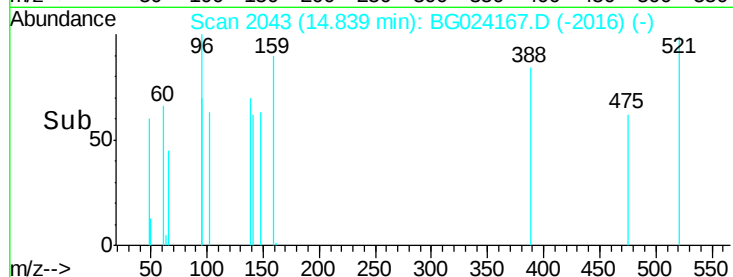
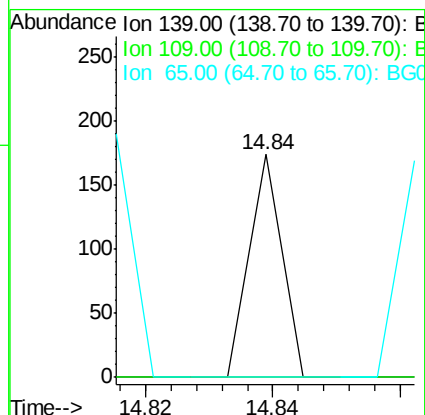
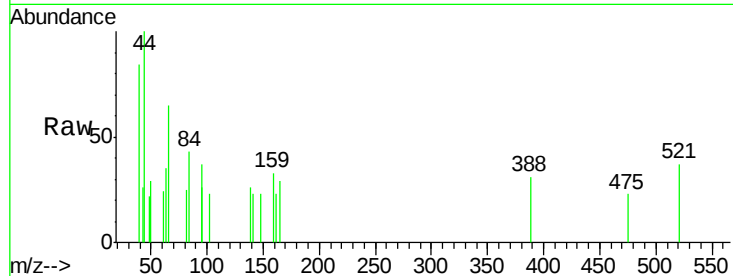




#55
4-Nitrophenol
Concen: 5.37 ng
RT: 14.84 min Scan# 2043
Delta R.T. -0.14 min
Lab File: BG024167.D
Acq: 30 Sep 2016 20:00

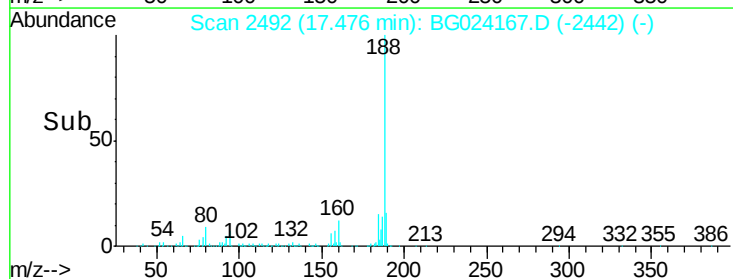
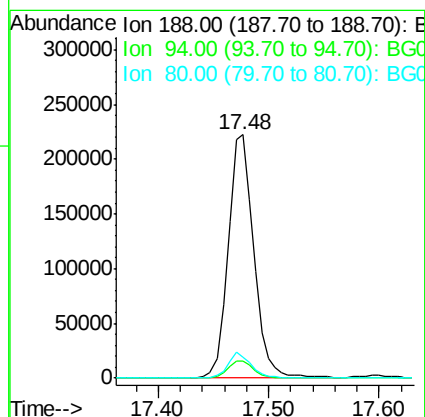
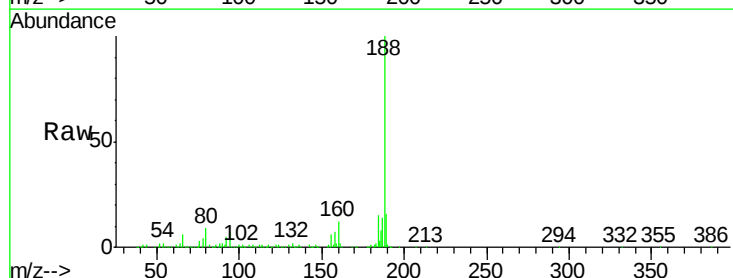
Instrument :
BNA_G
ClientSampleId :
SUP-B057-12-14

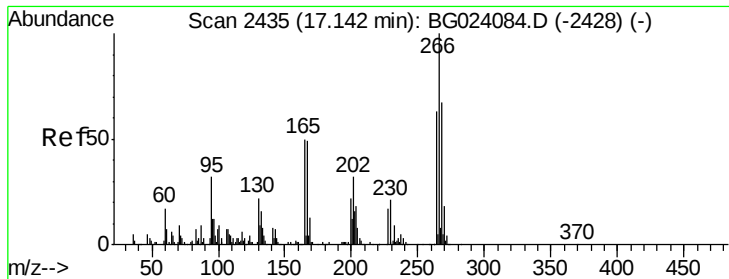
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	103.0	143.0#
65	0.0	112.7	152.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.01 min
Lab File: BG024167.D
Acq: 30 Sep 2016 20:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.2	7.8
80	8.6	7.2	10.8





#69

Pentachlorophenol

Concen: 3.60 ng

RT: 17.25 min Scan# 2454

Delta R.T. 0.11 min

Lab File: BG024167.D

Acq: 30 Sep 2016 20:00

Instrument :

BNA_G

ClientSampleId :

SUP-B057-12-14

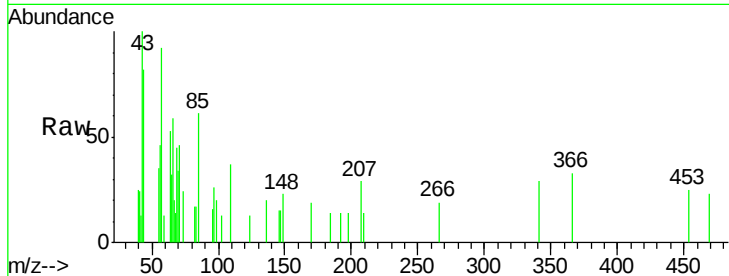
Tgt Ion:266 Resp: 83

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

250

200

150

100

50

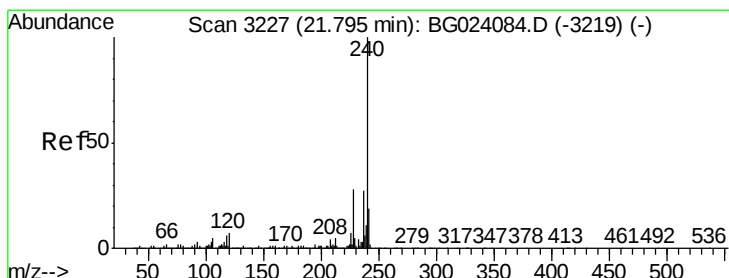
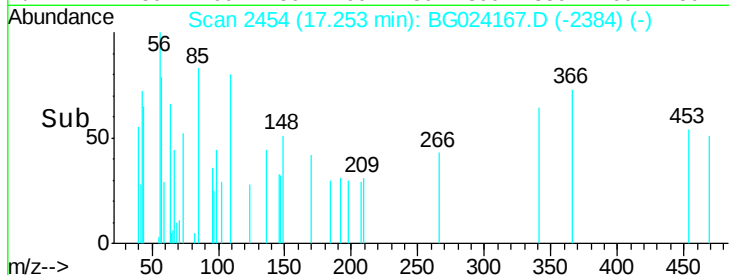
0

17.24

17.25

17.26

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.78 min Scan# 3224

Delta R.T. -0.02 min

Lab File: BG024167.D

Acq: 30 Sep 2016 20:00

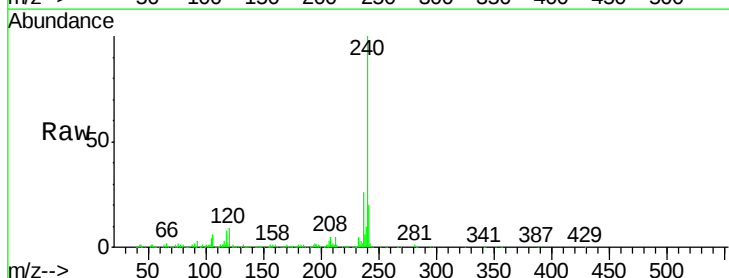
Tgt Ion:240 Resp: 430234

Ion Ratio Lower Upper

240 100

120 9.1 4.1 6.1#

236 25.9 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

300000

250000

200000

150000

100000

50000

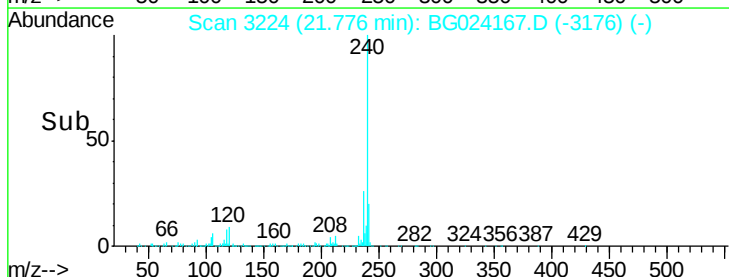
0

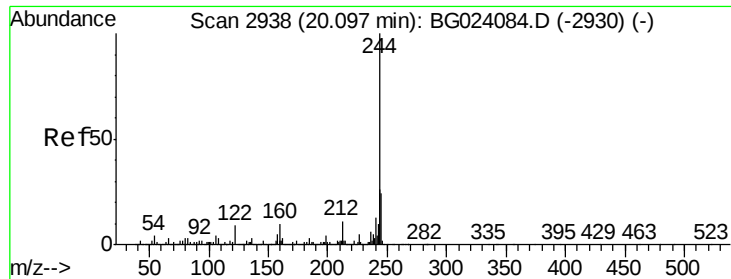
21.70

21.78

21.90

Time-->





#78

Terphenyl-d14

Concen: 67.48 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.02 min

Lab File: BG024167.D

Acq: 30 Sep 2016 20:00

Instrument :

BNA_G

ClientSampleId :

SUP-B057-12-14

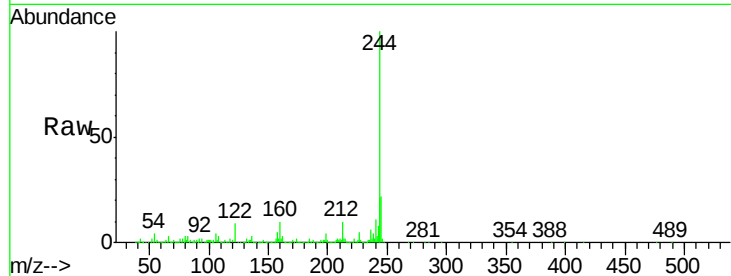
Tgt Ion:244 Resp: 1417863

Ion Ratio Lower Upper

244 100

212 10.3 10.8 16.2#

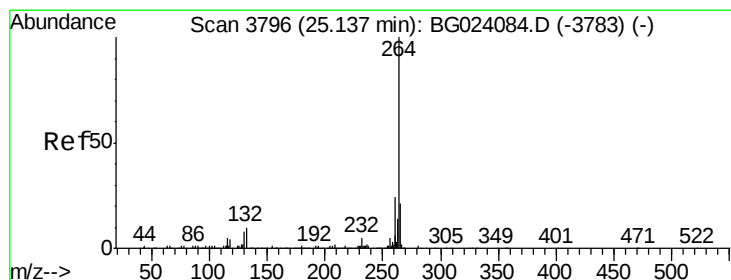
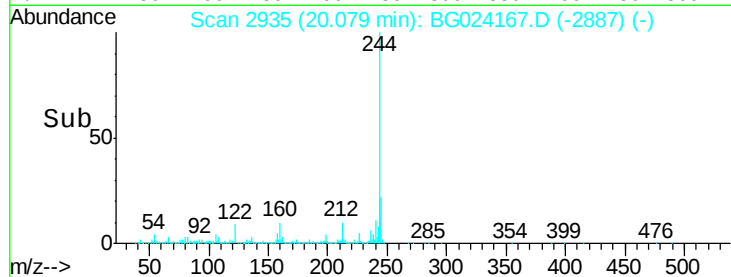
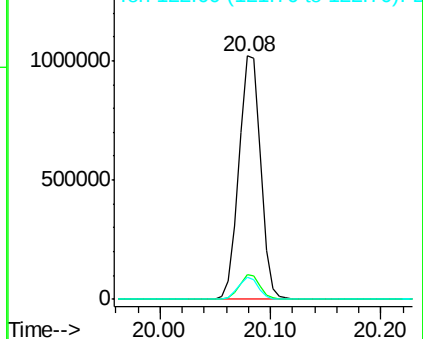
122 8.9 8.0 12.0



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: BG024167.D

Acq: 30 Sep 2016 20:00

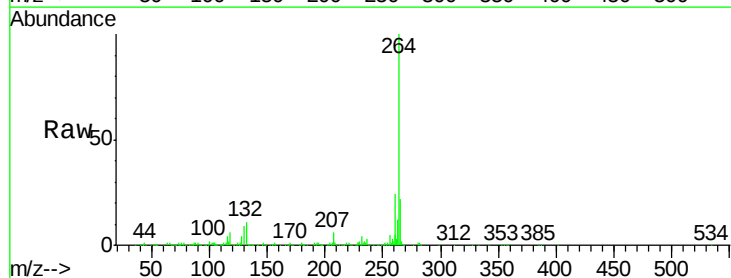
Tgt Ion:264 Resp: 411374

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 21.8 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

