

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093016\
 Data File : BG024178.D
 Acq On : 1 Oct 2016 3:13
 Operator : UM/SJ
 Sample : H4999-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SUP-B044-3-6

Quant Time: Oct 01 04:09:26 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

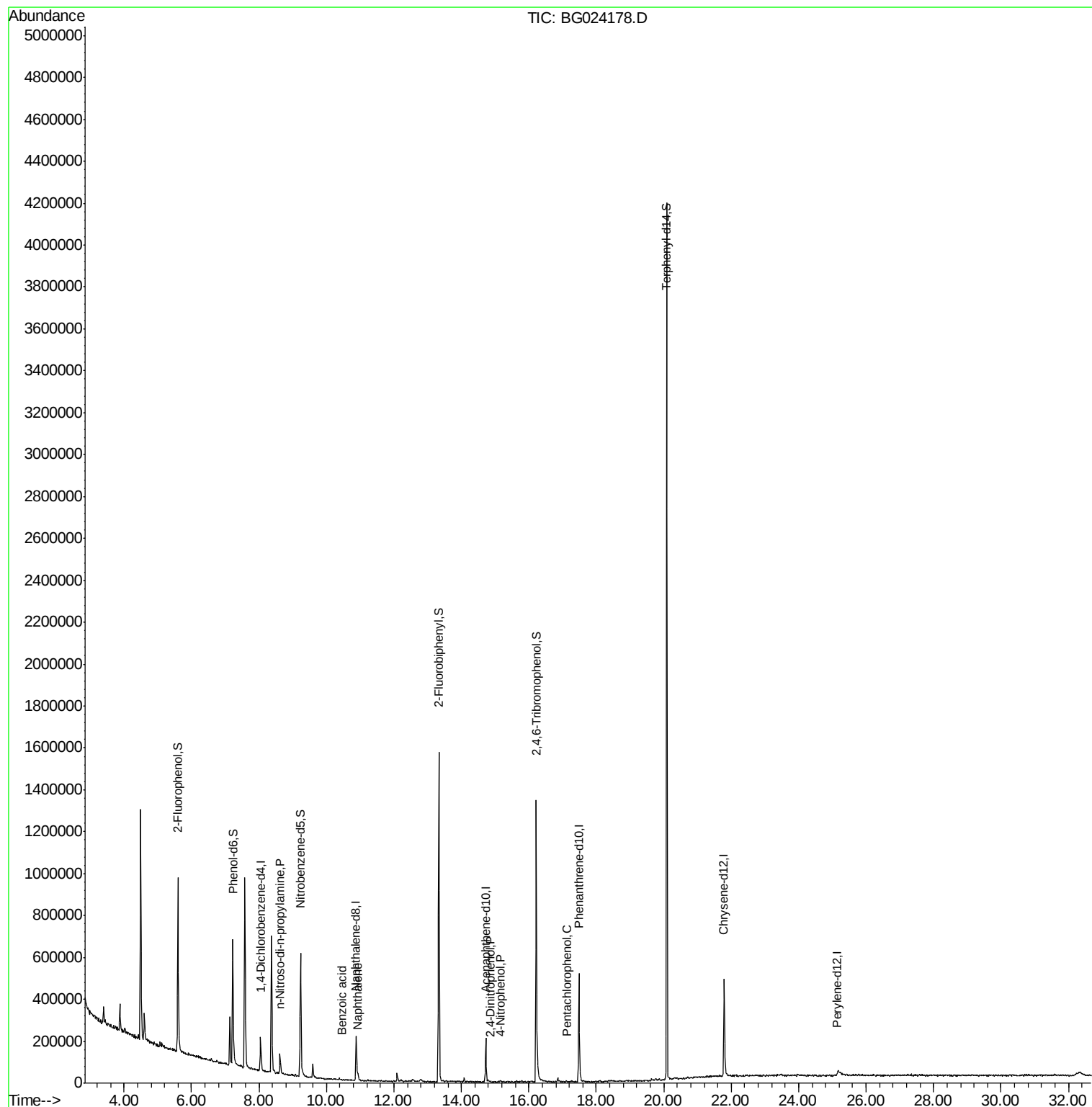
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	42019	20.00	ng	0.02
21) Naphthalene-d8	10.88	136	182276	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	68390	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	341409	20.00	ng	0.00
75) Chrysene-d12	21.79	240	252986	20.00	ng	0.00
86) Perylene-d12	25.14	264	3390	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	371332	153.10	ng	0.01
7) Phenol-d6	7.22	99	335567	82.23	ng	0.01
23) Nitrobenzene-d5	9.23	82	429102	92.78	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	251772	256.12	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	792311	194.74	ng	0.00
78) Terphenyl-d14	20.09	244	1605777	129.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.63	70	11407	2.85	ng	# 49
31) Naphthalene	10.94	128	23165	2.51	ng	# 93
32) Benzoic acid	10.44	122	168	2.23	ng	# 1
53) 2,4-Dinitrophenol	14.87	184	73	2.57	ng	# 10
55) 4-Nitrophenol	15.16	139	1917	7.39	ng	# 1
69) Pentachlorophenol	17.12	266	68	3.59	ng	# 18

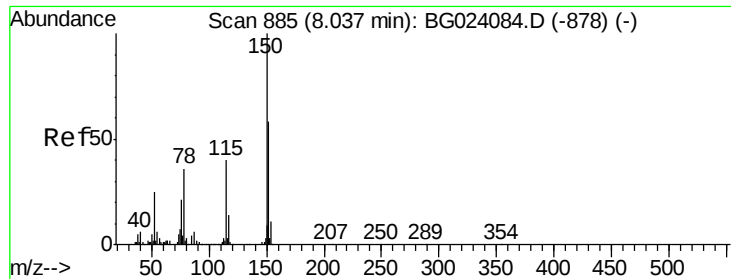
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 888

Delta R.T. 0.02 min

Lab File: BG024178.D

Acq: 1 Oct 2016 3:13

Instrument :

BNA_G

ClientSampleId :

SUP-B044-3-6

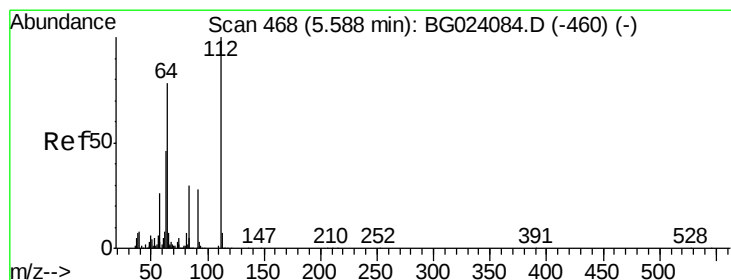
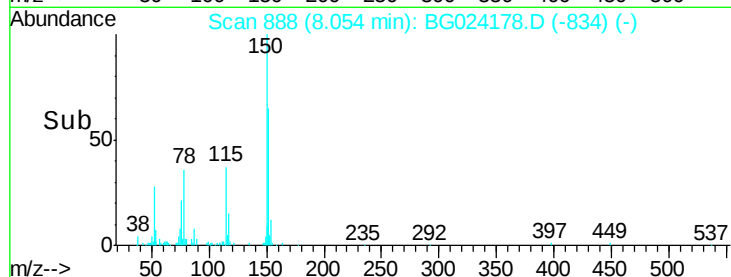
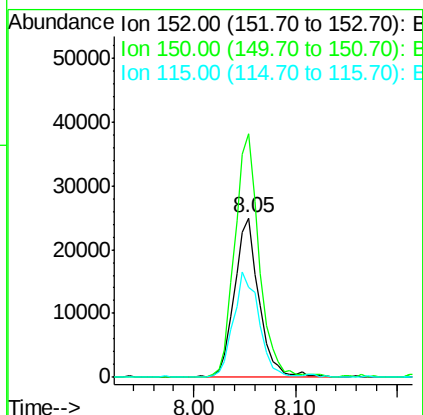
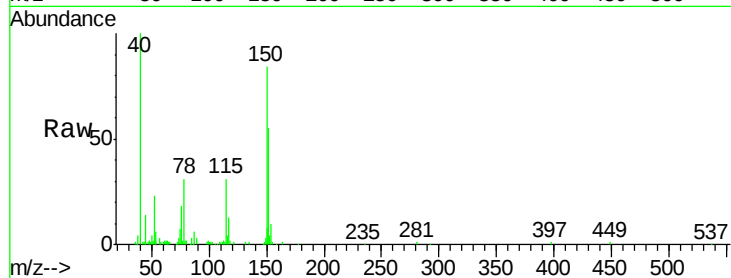
Tot Ion:152 Resp: 42019

Ion Ratio Lower Upper

152 100

150 152.9 144.7 217.1

115 56.8 64.0 96.0#



#5

2-Fluorophenol

Concen: 153.10 ng

RT: 5.60 min Scan# 470

Delta R.T. 0.01 min

Lab File: BG024178.D

Acq: 1 Oct 2016 3:13

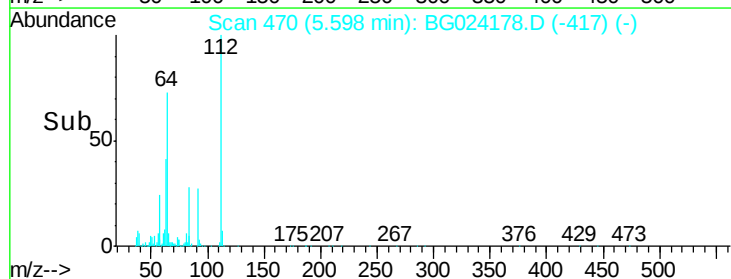
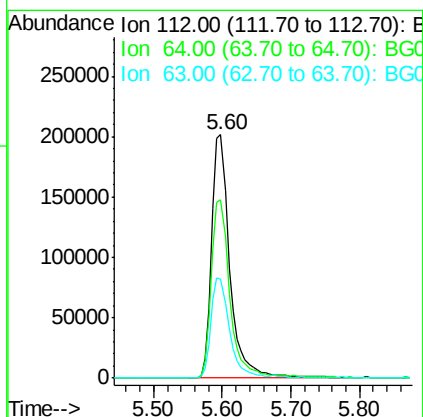
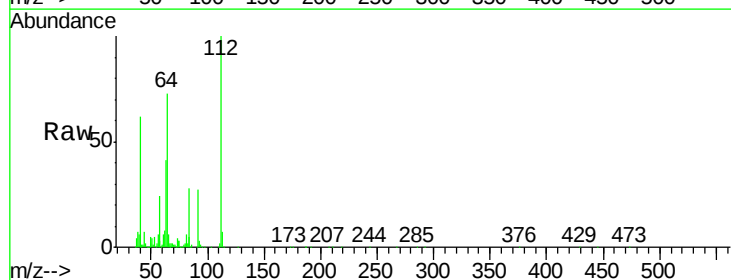
Tgt Ion:112 Resp: 371332

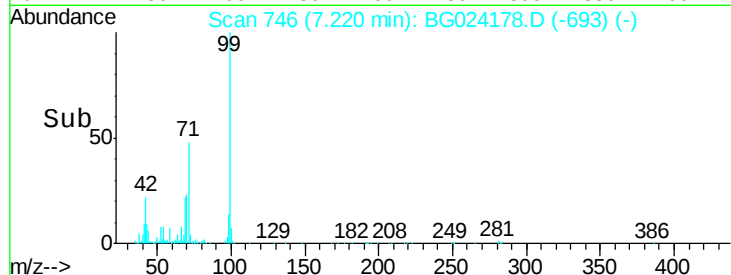
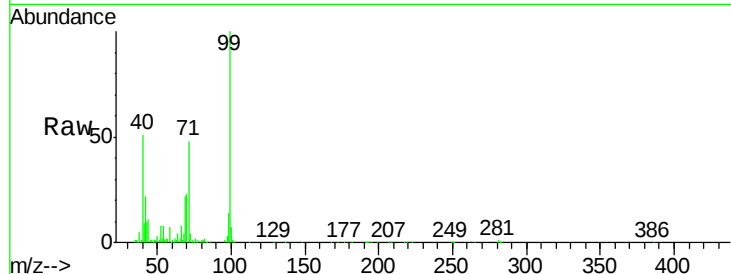
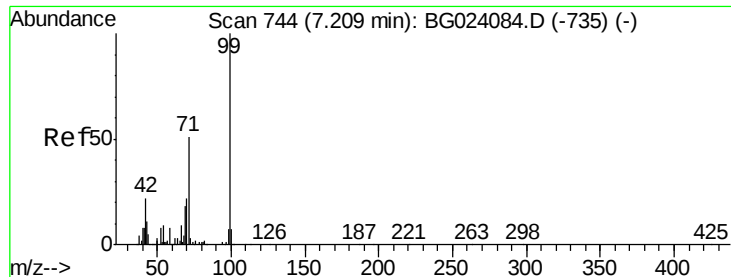
Ion Ratio Lower Upper

112 100

64 73.2 59.0 88.4

63 40.7 37.8 56.8





#7

Phenol-d6

Concen: 82.23 ng

RT: 7.22 min Scan# 746

Delta R.T. 0.01 min

Lab File: BG024178.D

Acq: 1 Oct 2016 3:13

Instrument :

BNA_G

ClientSampleId :

SUP-B044-3-6

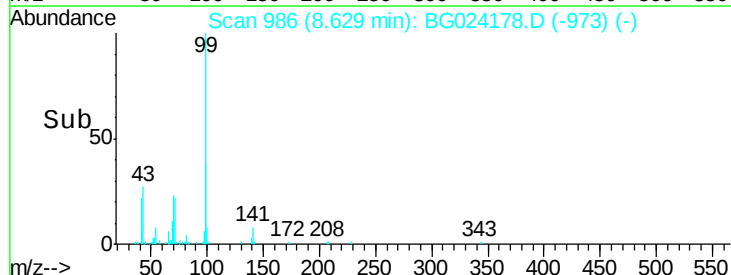
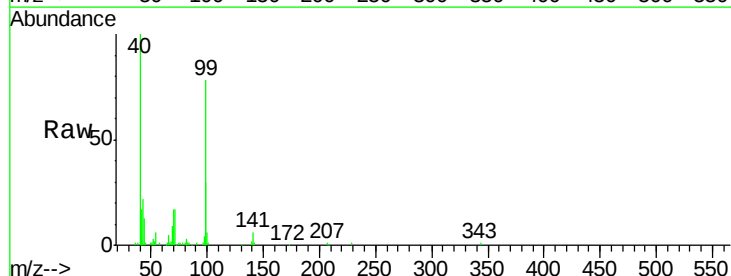
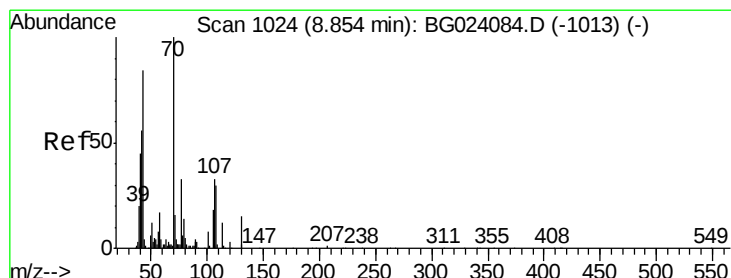
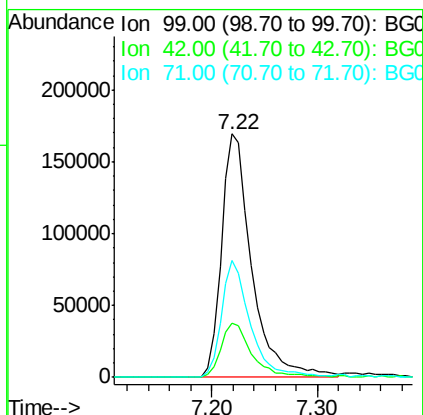
Tot Ion: 99 Resp: 335567

Ion Ratio Lower Upper

99 100

42 22.1 17.8 26.6

71 48.0 41.5 62.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.85 ng

RT: 8.63 min Scan# 986

Delta R.T. -0.22 min

Lab File: BG024178.D

Acq: 1 Oct 2016 3:13

Tgt Ion: 70 Resp: 11407

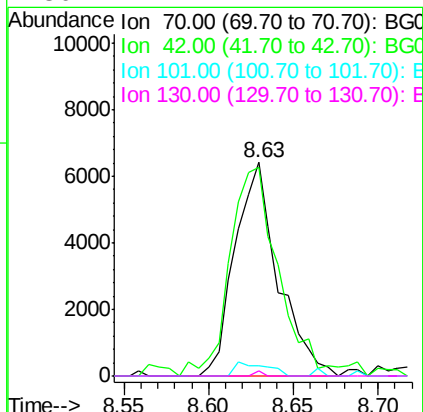
Ion Ratio Lower Upper

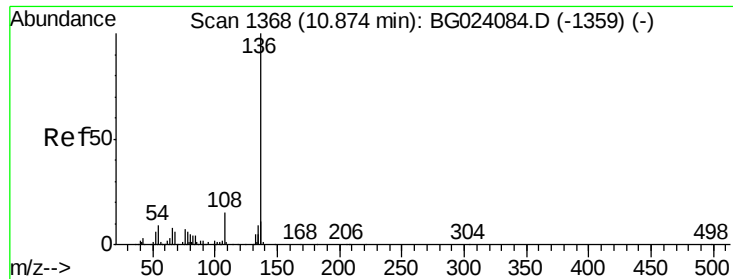
70 100

42 97.8 42.1 63.1#

101 5.0 7.2 10.8#

130 2.4 14.2 21.2#

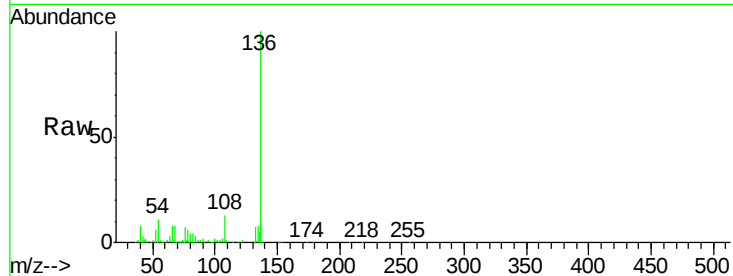




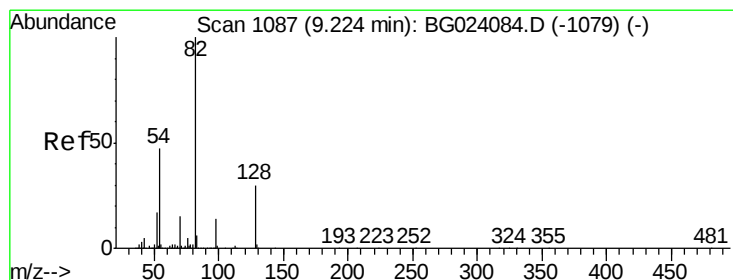
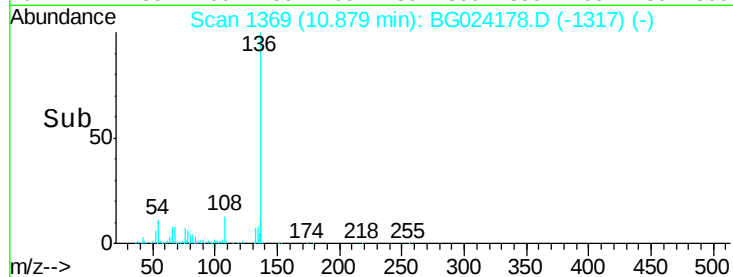
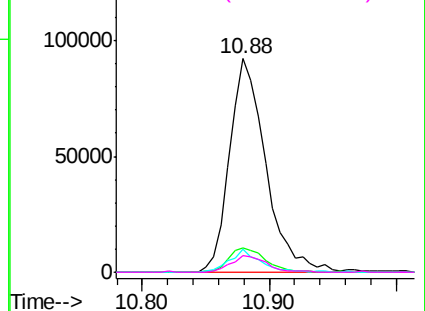
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.88 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BG024178.D
Acq: 1 Oct 2016 3:13

Instrument :
BNA_G
ClientSampleId :
SUP-B044-3-6

Tot Ion:136	Resp:	182276
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.6 14.4
54	10.6	7.3 10.9
68	7.6	5.3 7.9

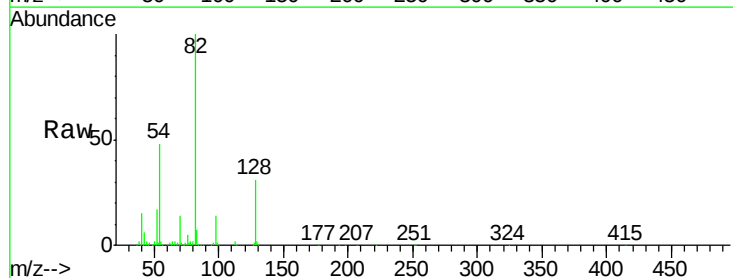


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

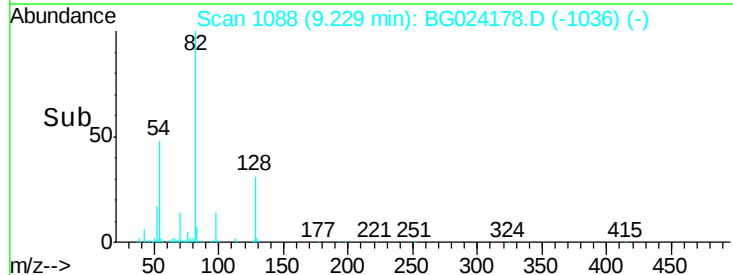
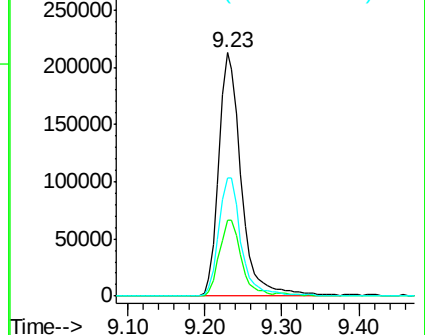


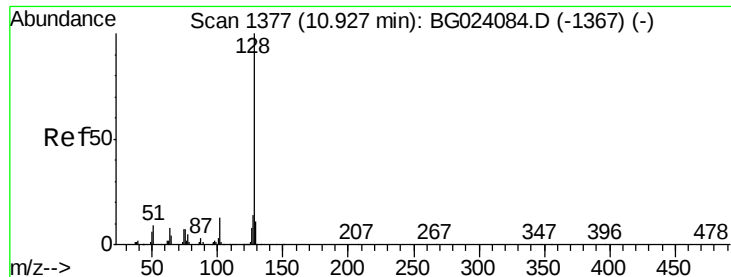
#23
Nitrobenzene-d5
Concen: 92.78 ng
RT: 9.23 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BG024178.D
Acq: 1 Oct 2016 3:13

Tgt Ion: 82	Resp:	429102
Ion Ratio	Lower	Upper
82	100	
128	31.2	24.4 36.6
54	48.4	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

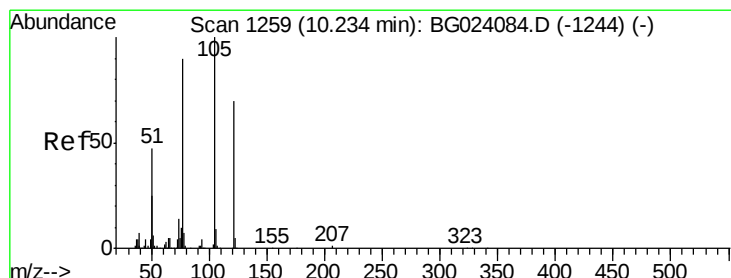
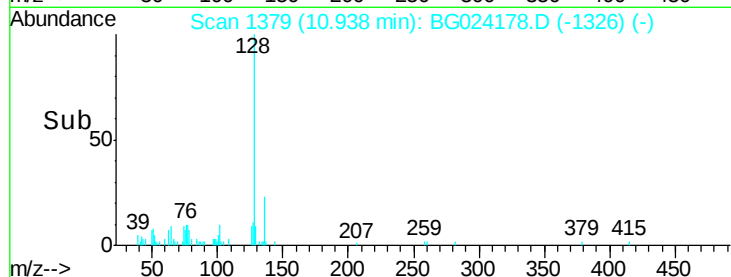
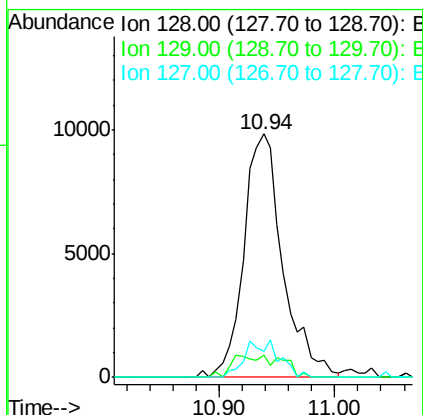
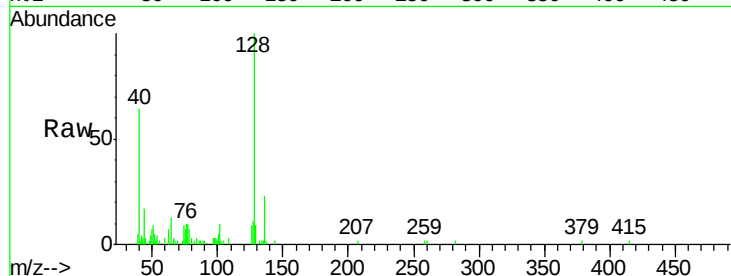




#31
Naphthalene
Concen: 2.51 ng
RT: 10.94 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BG024178.D
Acq: 1 Oct 2016 3:13

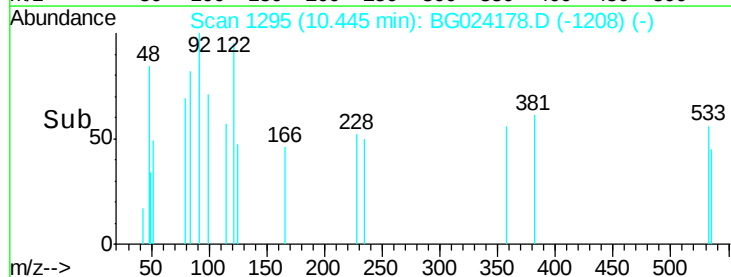
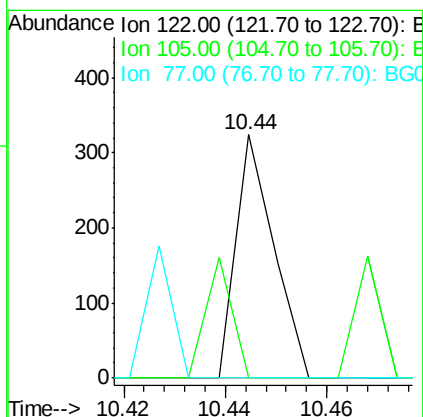
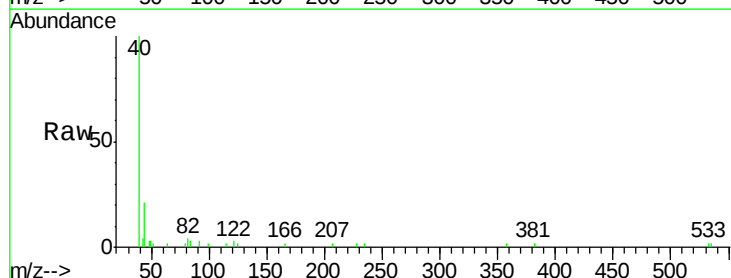
Instrument :
BNA_G
ClientSampleId :
SUP-B044-3-6

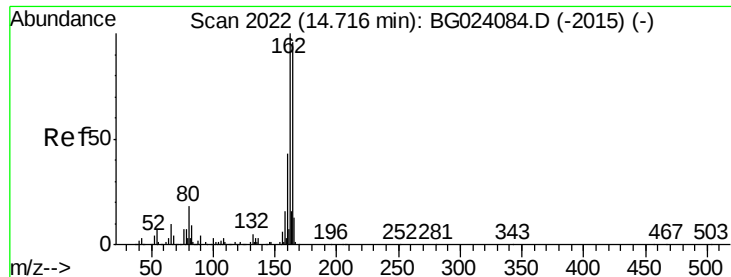
Tot Ion:128 Resp: 23165
Ion Ratio Lower Upper
128 100
129 9.3 9.4 14.0#
127 10.7 11.3 16.9#



#32
Benzoic acid
Concen: 2.23 ng
RT: 10.44 min Scan# 1295
Delta R.T. 0.21 min
Lab File: BG024178.D
Acq: 1 Oct 2016 3:13

Tgt Ion:122 Resp: 168
Ion Ratio Lower Upper
122 100
105 0.0 117.2 157.2#
77 0.0 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BG024178.D

Acq: 1 Oct 2016 3:13

Instrument :

BNA_G

ClientSampleId :

SUP-B044-3-6

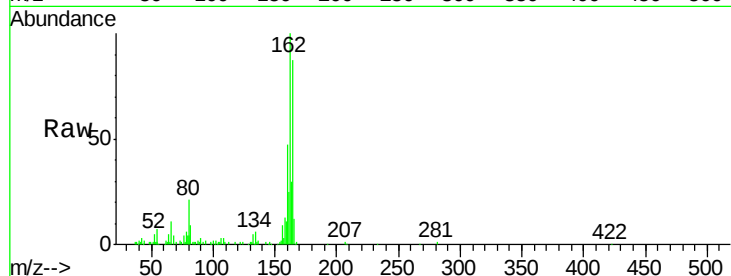
Tot Ion:164 Resp: 68390

Ion Ratio Lower Upper

164 100

162 114.8 87.7 131.5

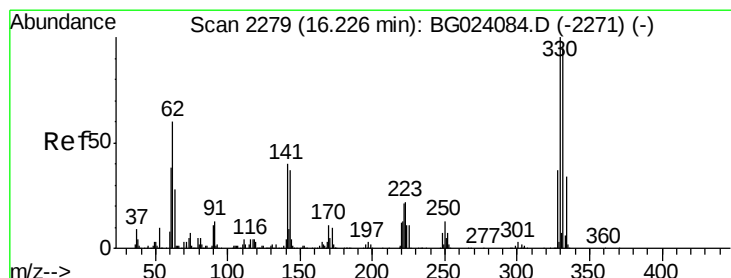
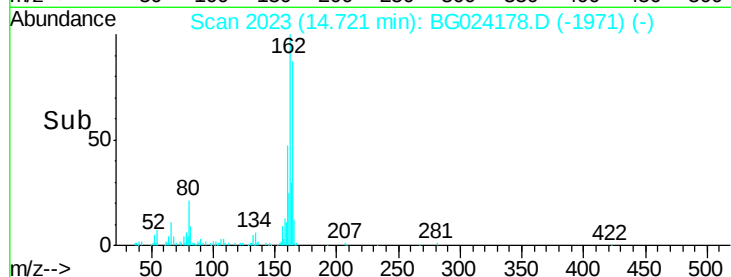
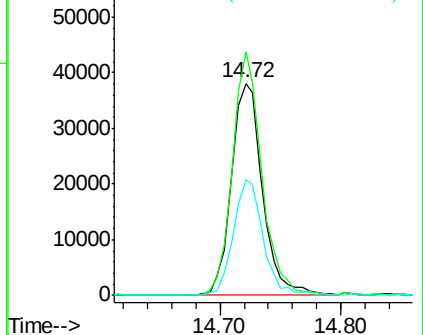
160 54.3 37.2 55.8



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



#41

2,4,6-Tribromophenol

Concen: 256.12 ng

RT: 16.22 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BG024178.D

Acq: 1 Oct 2016 3:13

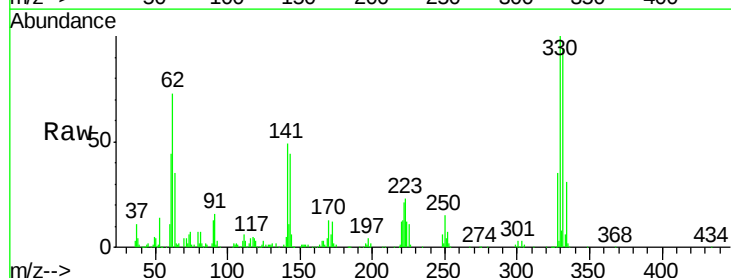
Tgt Ion:330 Resp: 251772

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.2

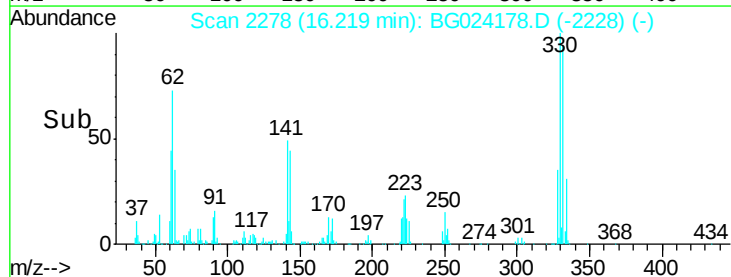
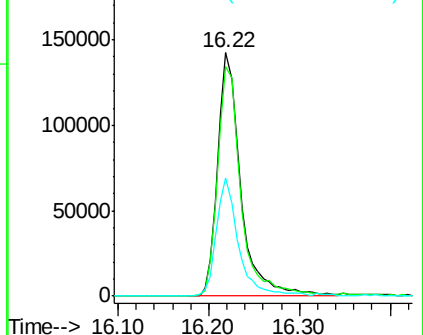
141 46.3 31.7 47.5

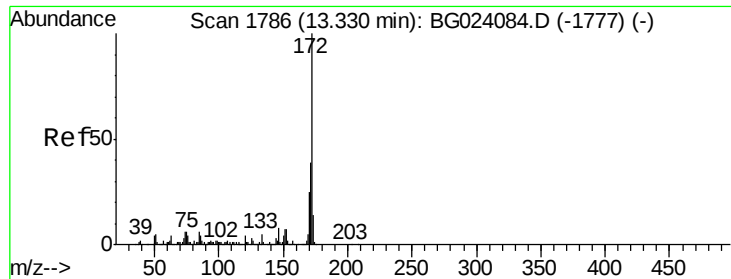


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

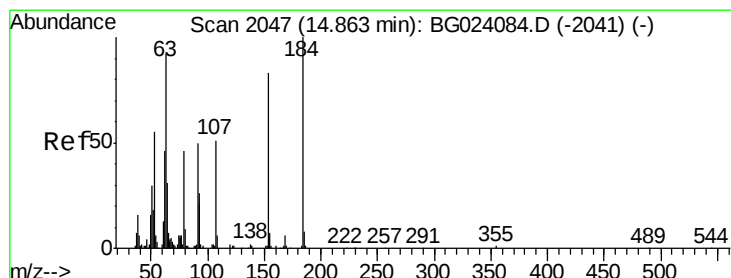
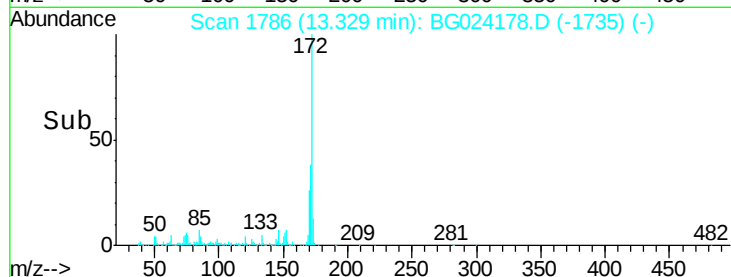
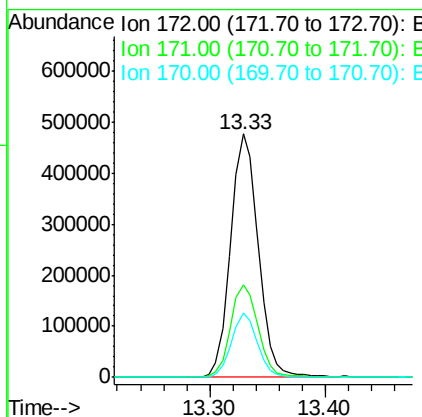
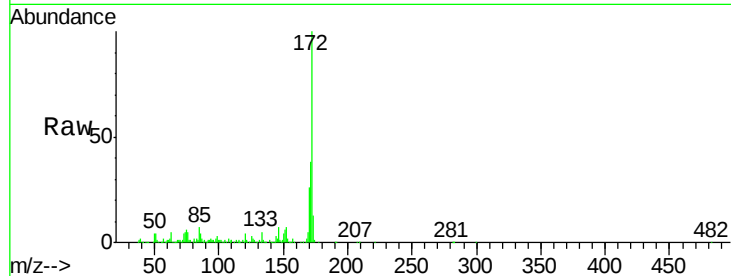




#44
2-Fluorobiphenyl
Concen: 194.74 ng
RT: 13.33 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BG024178.D
Acq: 1 Oct 2016 3:13

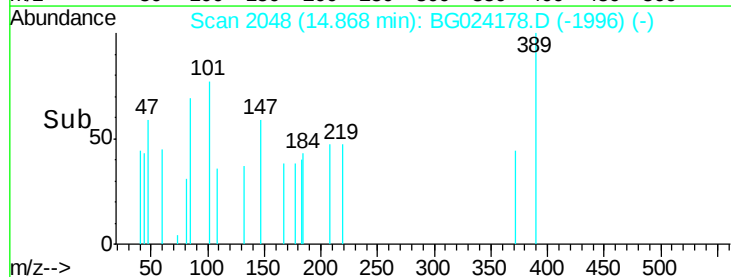
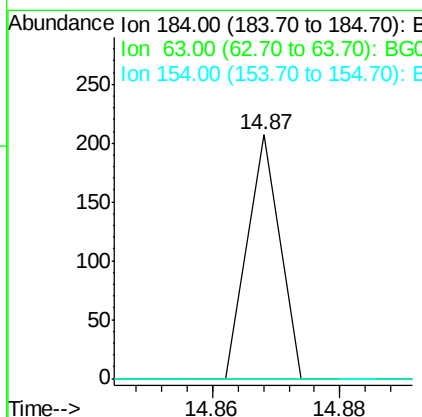
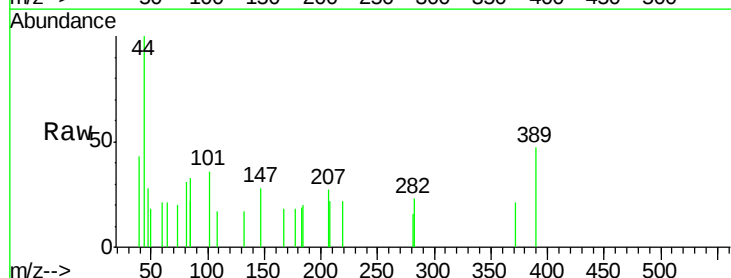
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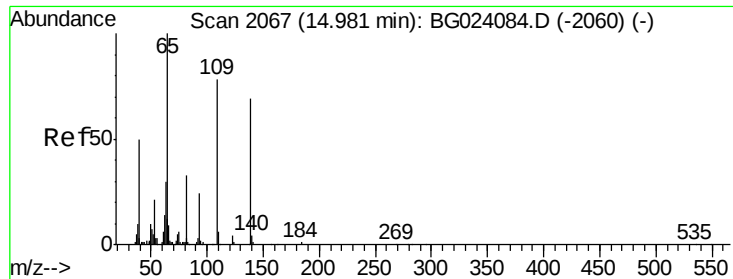
Tot Ion:172 Resp: 792311
Ion Ratio Lower Upper
172 100
171 37.9 31.6 47.4
170 26.4 21.3 31.9



#53
2,4-Dinitrophenol
Concen: 2.57 ng
RT: 14.87 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BG024178.D
Acq: 1 Oct 2016 3:13

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#

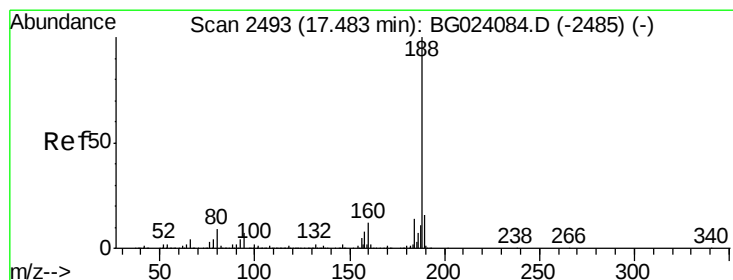
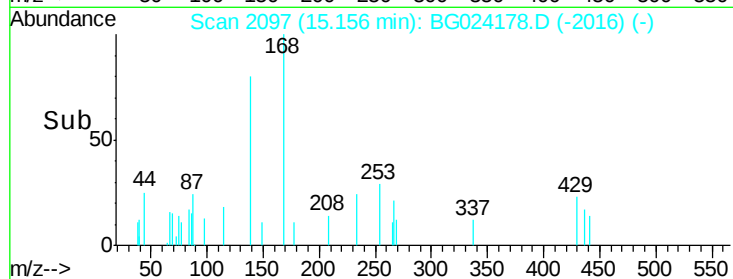
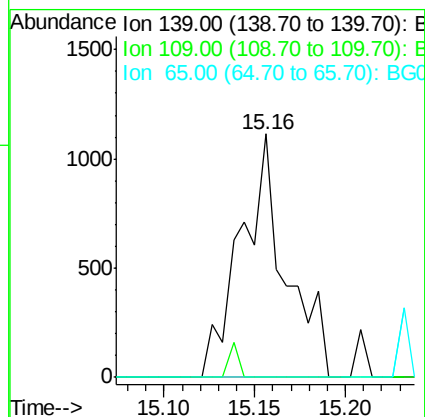
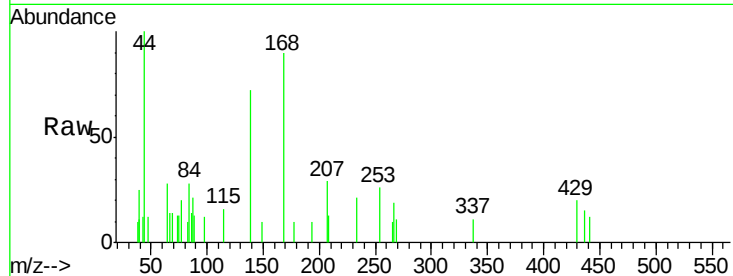




#55
4-Nitrophenol
Concen: 7.39 ng
RT: 15.16 min Scan# 2097
Delta R.T. 0.18 min
Lab File: BG024178.D
Acq: 1 Oct 2016 3:13

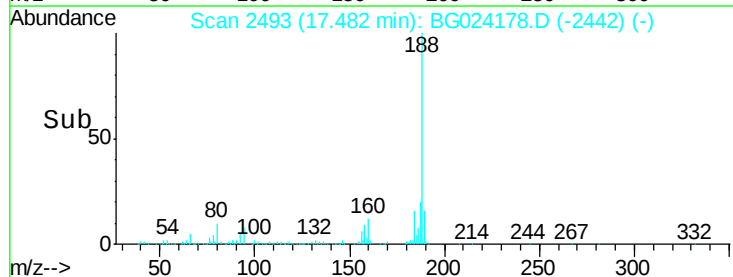
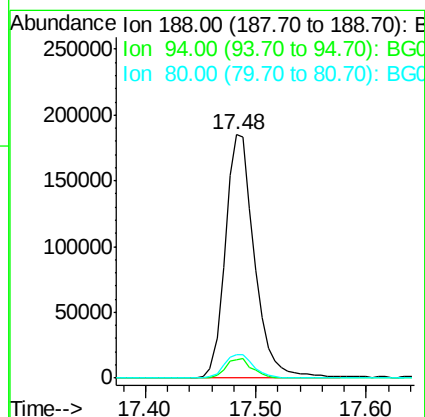
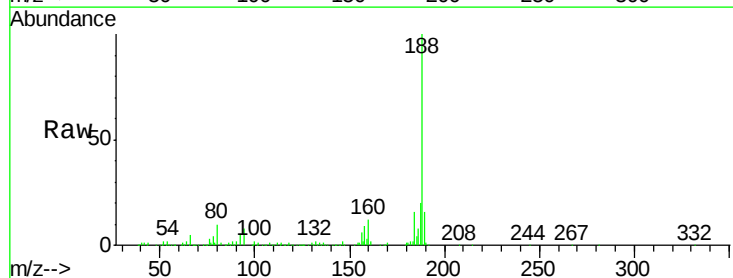
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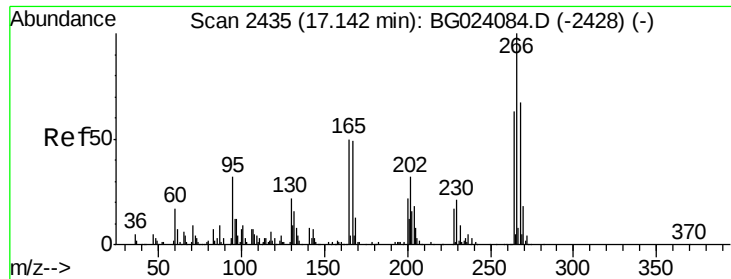
Tot Ion:139 Resp: 1917
Ion Ratio Lower Upper
139 100
109 0.0 103.0 143.0#
65 0.0 112.7 152.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. -0.00 min
Lab File: BG024178.D
Acq: 1 Oct 2016 3:13

Tgt Ion:188 Resp: 341409
Ion Ratio Lower Upper
188 100
94 7.7 5.2 7.8
80 9.5 7.2 10.8

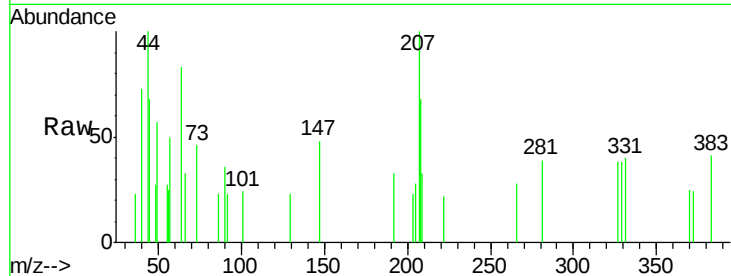




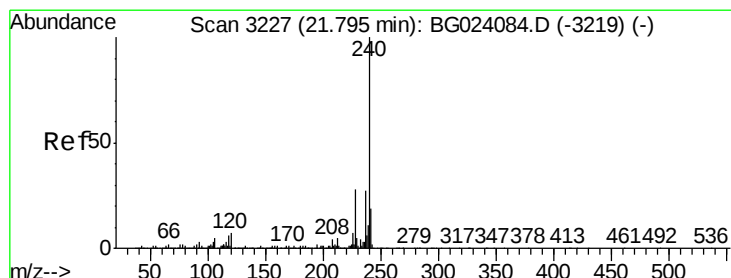
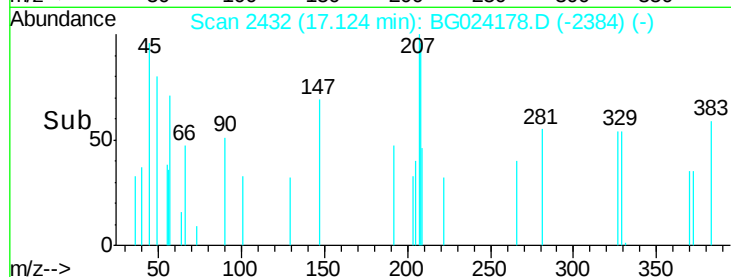
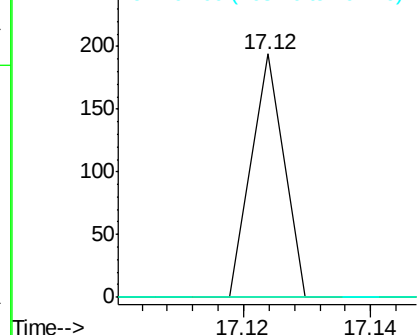
#69
 Pentachlorophenol
 Concen: 3.59 ng
 RT: 17.12 min Scan# 2432
 Delta R.T. -0.02 min
 Lab File: BG024178.D
 Acq: 1 Oct 2016 3:13

Instrument :
 BNA_G
 ClientSampleId :
 SUP-B044-3-6

Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	51.9	77.9#
264	0.0	50.6	75.8#

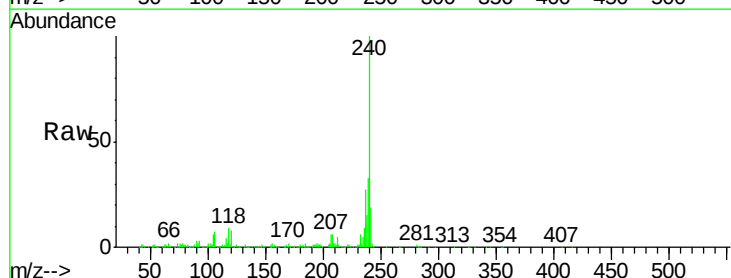


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

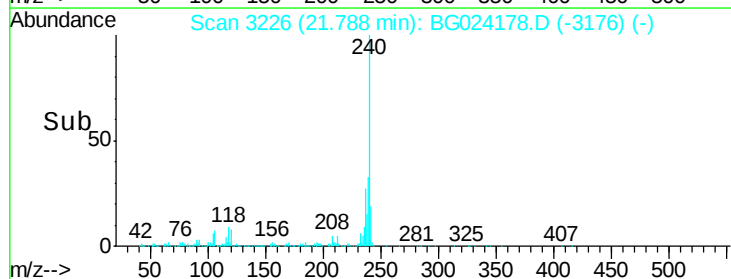
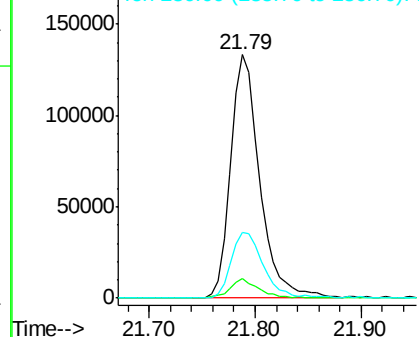


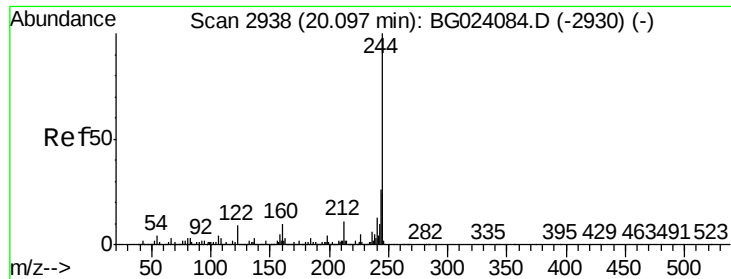
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.79 min Scan# 3226
 Delta R.T. -0.01 min
 Lab File: BG024178.D
 Acq: 1 Oct 2016 3:13

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.9	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: 129.97 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG024178.D

Acq: 1 Oct 2016 3:13

Instrument :

BNA_G

ClientSampleId :

SUP-B044-3-6

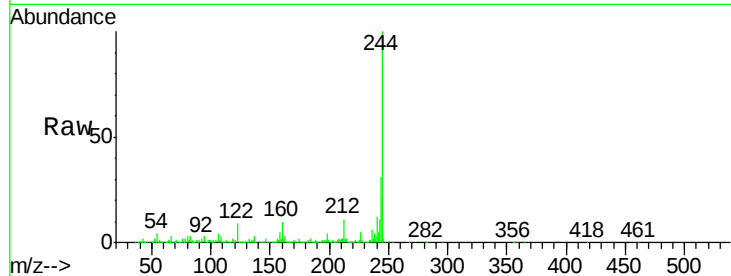
Tot Ion:244 Resp: 1605777

Ion Ratio Lower Upper

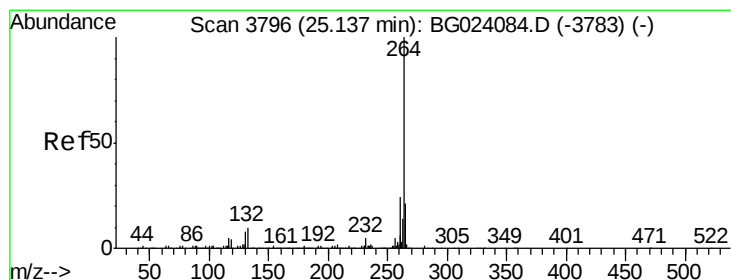
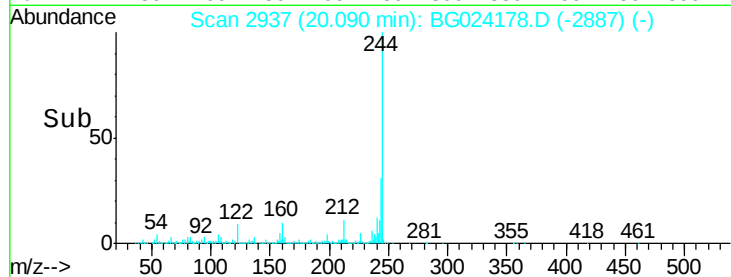
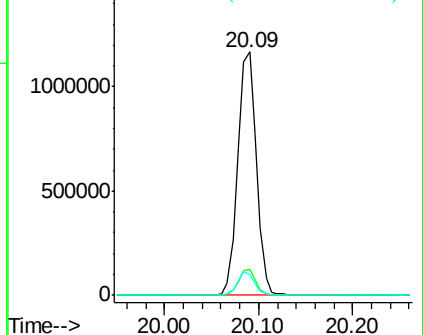
244 100

212 10.6 10.8 16.2#

122 8.6 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: 25.14 min Scan# 3797

Delta R.T. 0.00 min

Lab File: BG024178.D

Acq: 1 Oct 2016 3:13

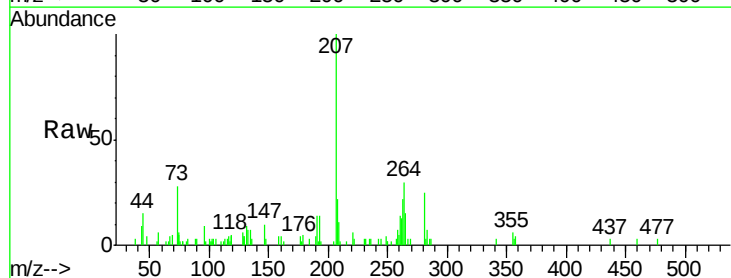
Tgt Ion:264 Resp: 3390

Ion Ratio Lower Upper

264 100

260 48.0 18.4 27.6#

265 50.3 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

