

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
 Data File : BG023397.D
 Acq On : 2 Aug 2016 12:01
 Operator : UM/SJ
 Sample : H4145-12DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 9535DL

Quant Time: Aug 02 15:56:13 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 19:22:14 2016
 Response via : Initial Calibration

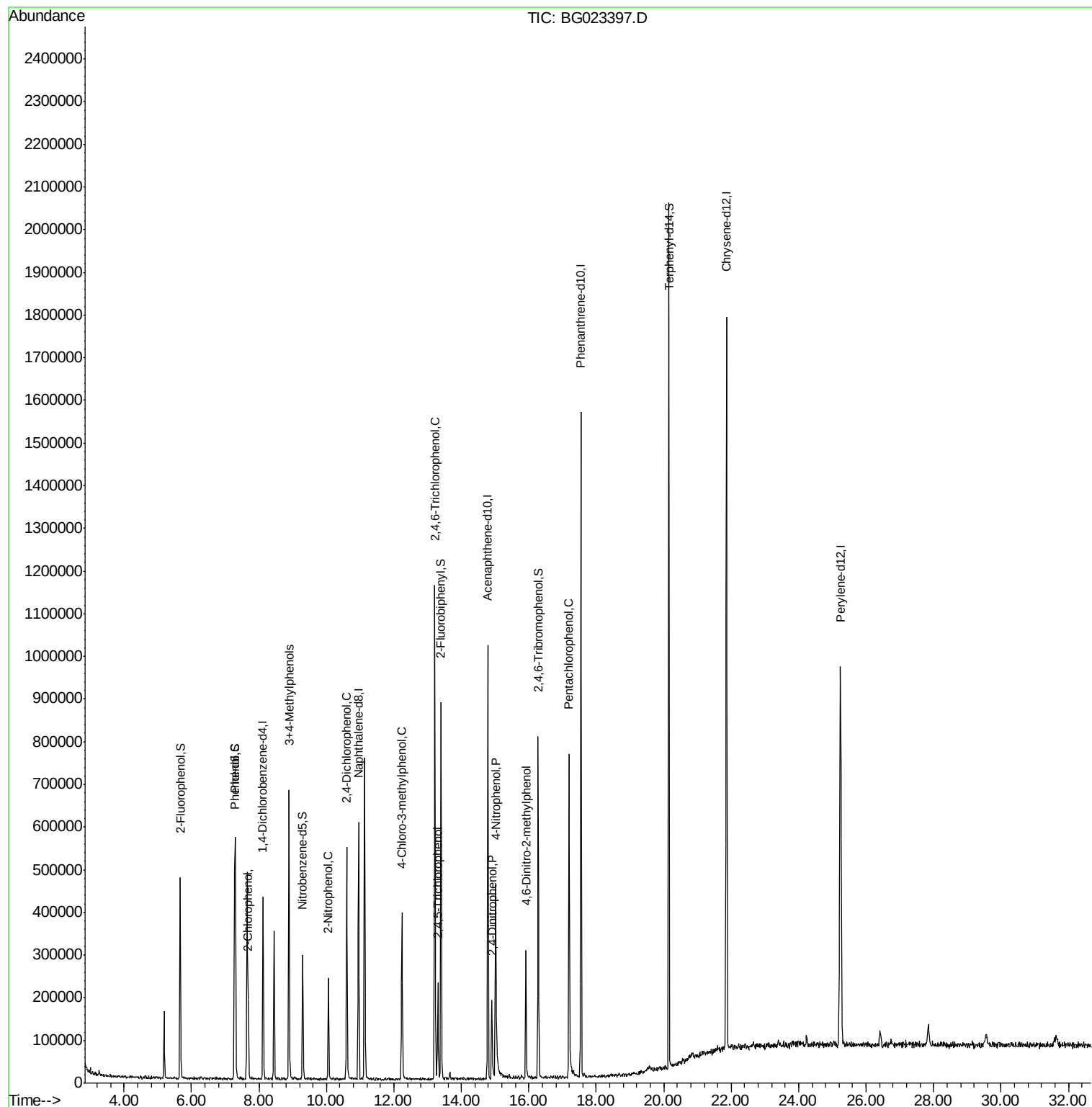
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	113803	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	508981	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	352469	20.00	ng	0.00
63) Phenanthrene-d10	17.54	188	900367	20.00	ng	0.00
75) Chrysene-d12	21.86	240	987328	20.00	ng	0.00
86) Perylene-d12	25.24	264	995679	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	199707	29.54	ng	0.00
7) Phenol-d6	7.27	99	309704	29.41	ng	0.00
23) Nitrobenzene-d5	9.29	82	193424	18.89	ng	0.00
41) 2,4,6-Tribromophenol	16.28	330	152717	29.62	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	462559	22.13	ng	0.00
78) Terphenyl-d14	20.15	244	844965	9.86	ng	0.00
Target Compounds						
8) 2-Chlorophenol	7.68	128	79416	10.22	ng	Qvalue 90
10) Phenol	7.30	94	319816	28.39	ng	# 79
20) 3+4-Methylphenols	8.89	107	313306	29.43	ng	# 78
26) 2-Nitrophenol	10.06	139	73614	15.38	ng	# 78
29) 2,4-Dichlorophenol	10.60	162	202202	24.68	ng	97
36) 4-Chloro-3-methylphenol	12.24	107	147194	13.68	ng	# 94
42) 2,4,6-Trichlorophenol	13.21	196	280644	36.86	ng	97
43) 2,4,5-Trichlorophenol	13.30	196	66630	8.50	ng	94
53) 2,4-Dinitrophenol	14.90	184	47329	11.53	ng	96
55) 4-Nitrophenol	15.02	139	155886	27.48	ng	# 75
64) 4,6-Dinitro-2-methylphenol	15.91	198	69197	11.30	ng	96
69) Pentachlorophenol	17.19	266	157965	23.60	ng	97

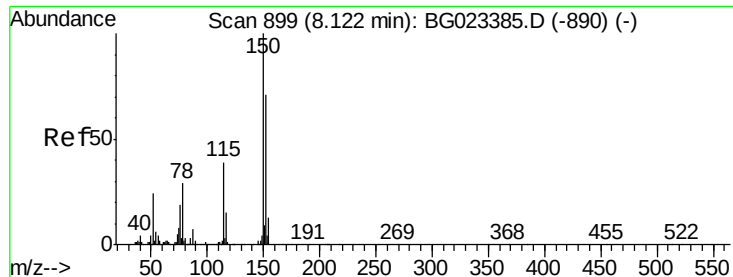
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

BNA_G

ClientSampleId :

9535DL

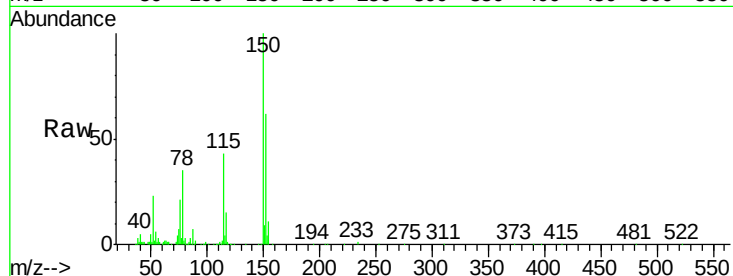
Tot Ion:152 Resp: 113803

Ion Ratio Lower Upper

152 100

150 160.6 144.7 217.1

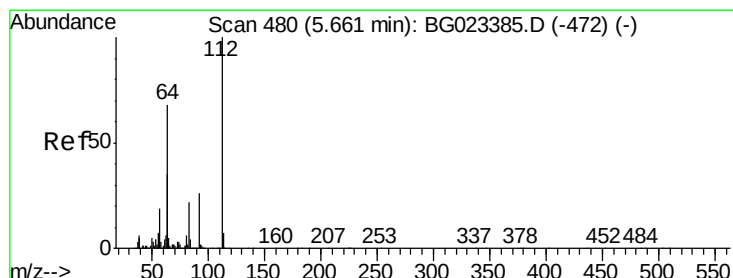
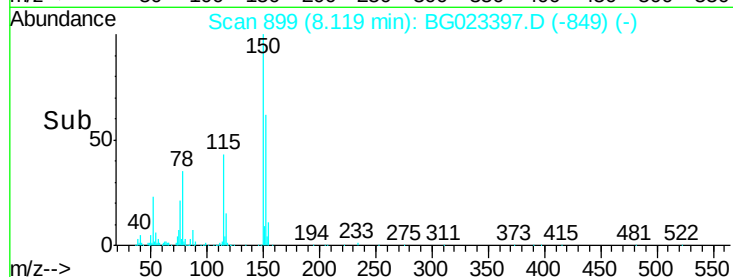
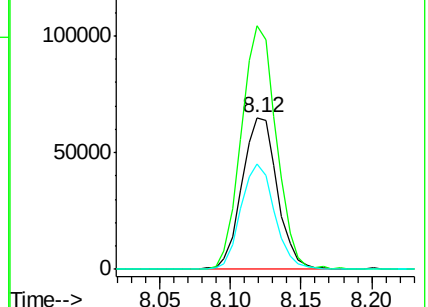
115 69.2 64.0 96.0



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: 29.54 ng

RT: 5.66 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

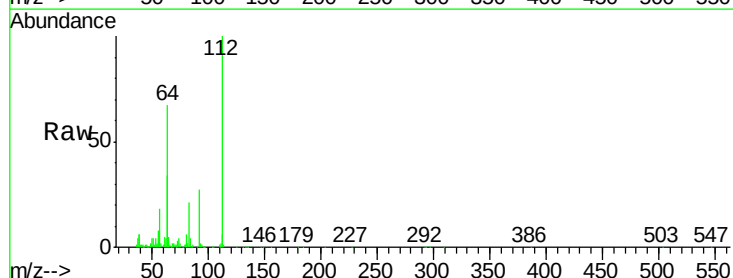
Tgt Ion:112 Resp: 199707

Ion Ratio Lower Upper

112 100

64 66.7 59.0 88.4

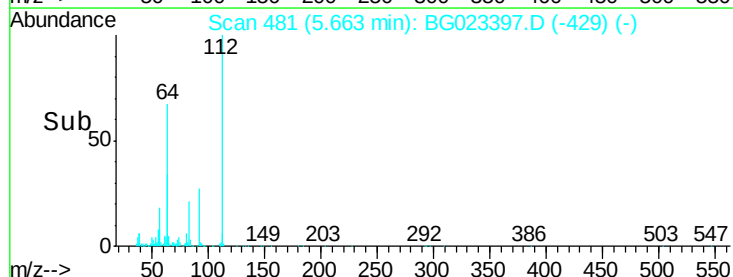
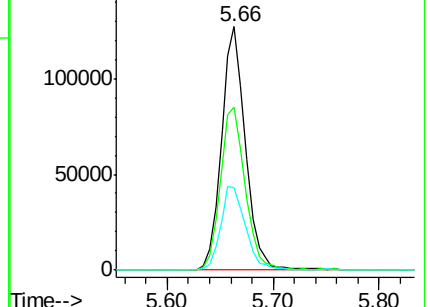
63 33.8 37.8 56.8#

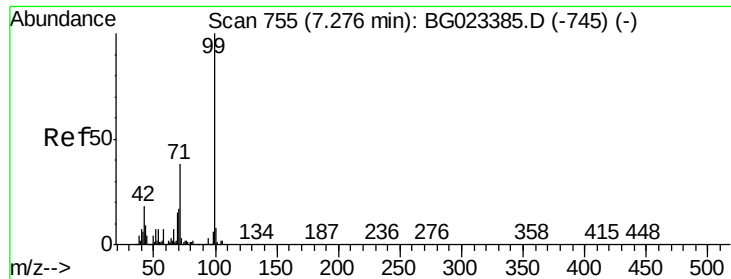


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 29.41 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

BNA_G

ClientSampleId :

9535DL

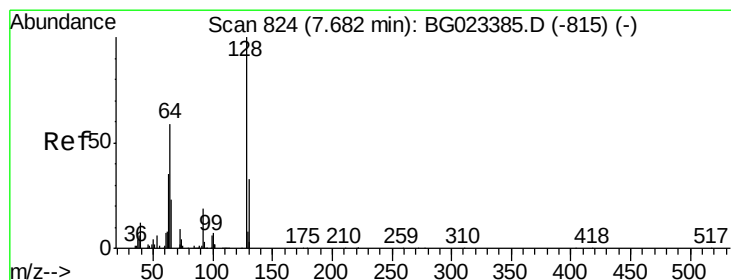
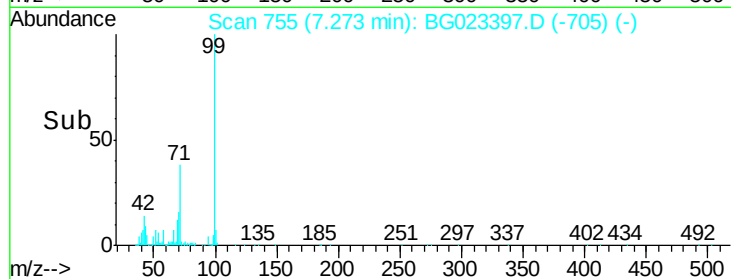
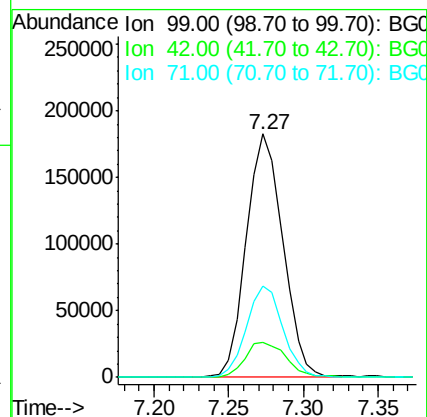
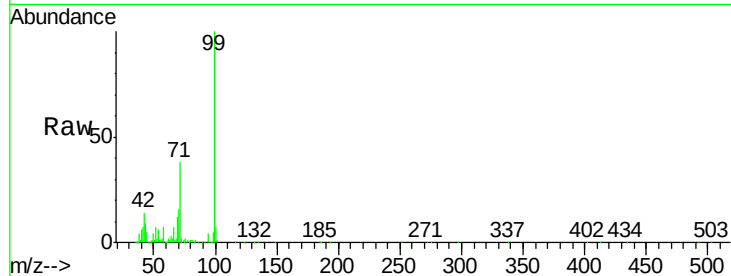
Tot Ion: 99 Resp: 309704

Ion Ratio Lower Upper

99 100

42 14.2 17.8 26.6#

71 37.6 41.5 62.3#



#8

2-Chlorophenol

Concen: 10.22 ng

RT: 7.68 min Scan# 825

Delta R.T. 0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

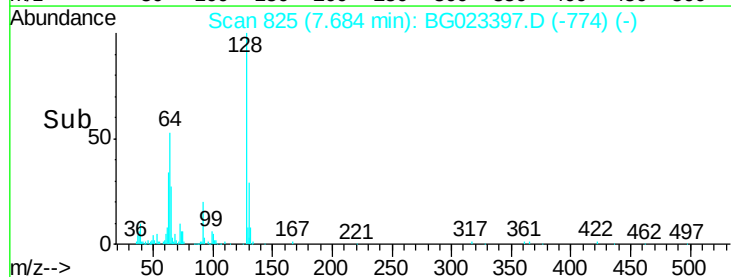
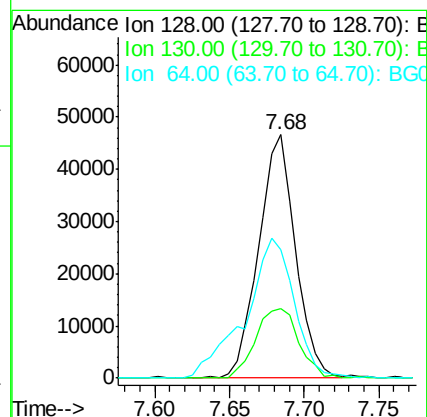
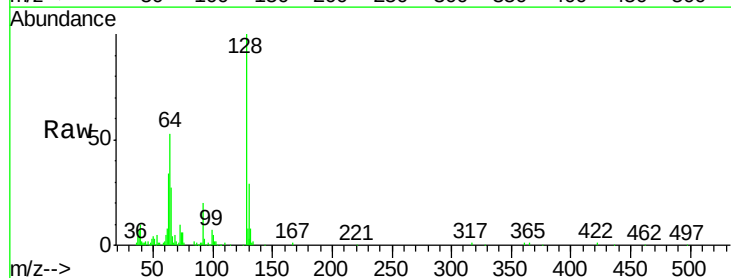
Tgt Ion:128 Resp: 79416

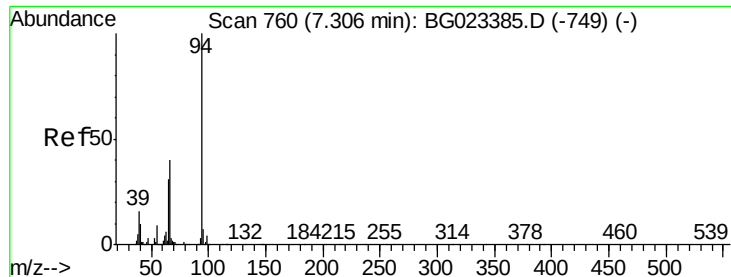
Ion Ratio Lower Upper

128 100

130 28.8 12.9 52.9

64 53.0 42.0 82.0





#10

Phenol

Concen: 28.39 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

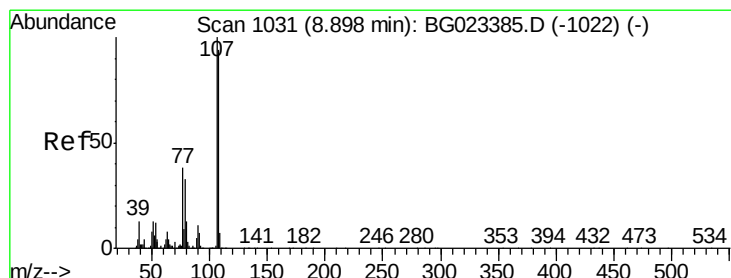
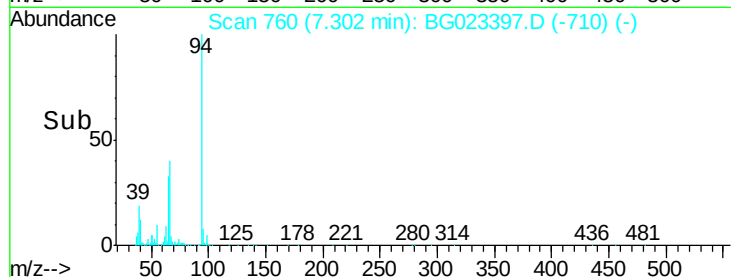
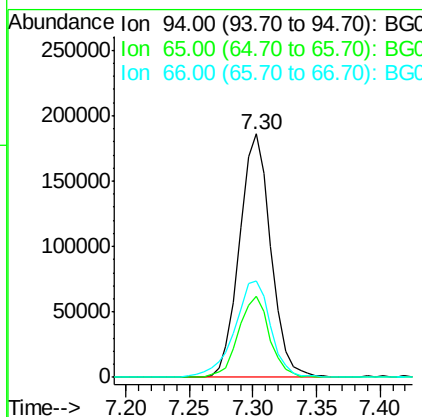
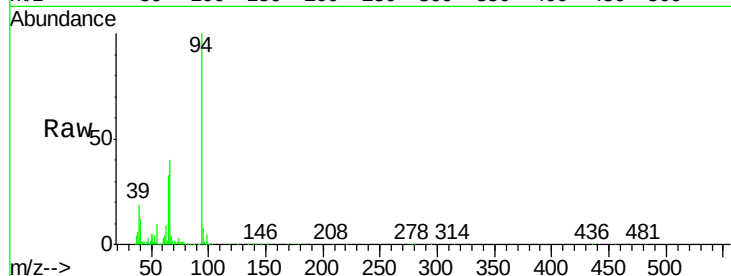
BNA_G

ClientSampleId :

9535DL

Tot Ion: 94 Resp: 319816

Ion	Ratio	Lower	Upper
94	100		
65	33.2	18.1	58.1
66	39.7	42.1	82.1#



#20

3+4-Methylphenols

Concen: 29.43 ng

RT: 8.89 min Scan# 1030

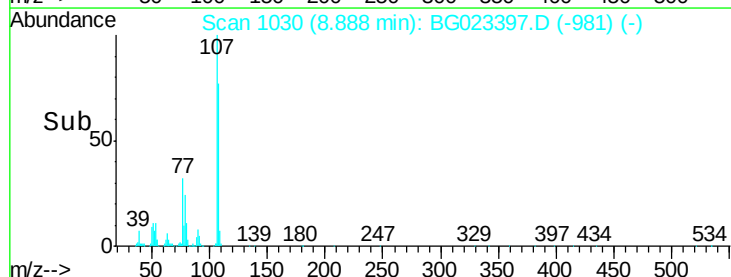
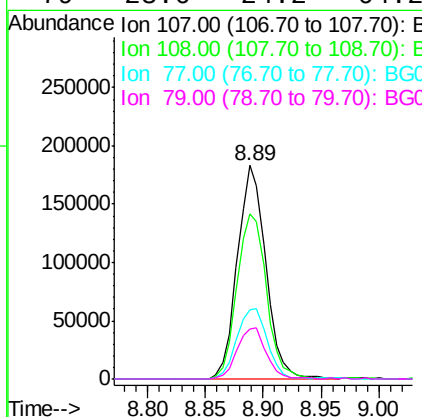
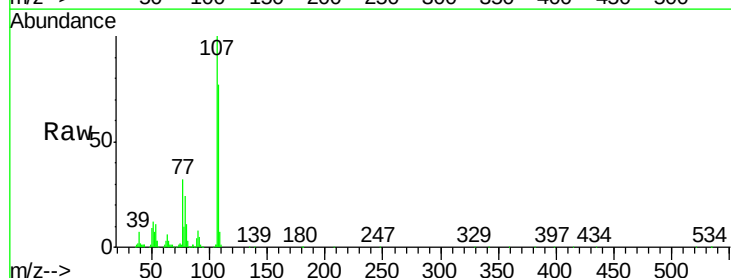
Delta R.T. -0.01 min

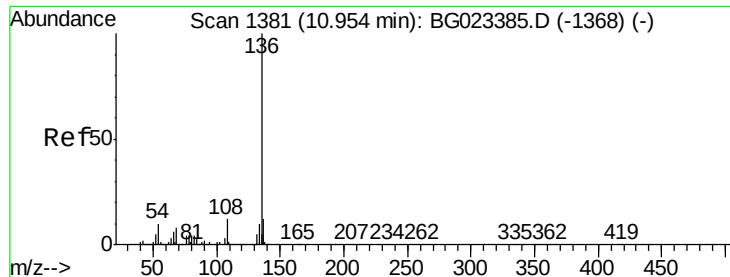
Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Tgt Ion: 107 Resp: 313306

Ion	Ratio	Lower	Upper
107	100		
108	77.2	72.5	112.5
77	32.5	30.1	70.1
79	23.6	24.2	64.2#

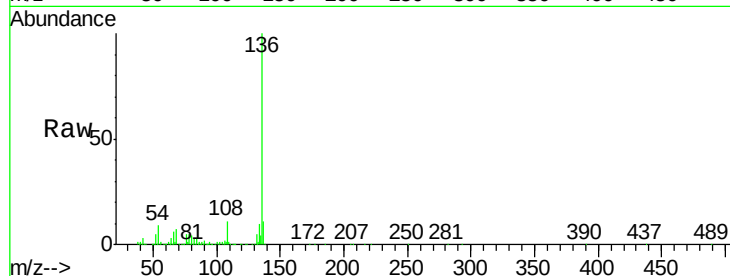




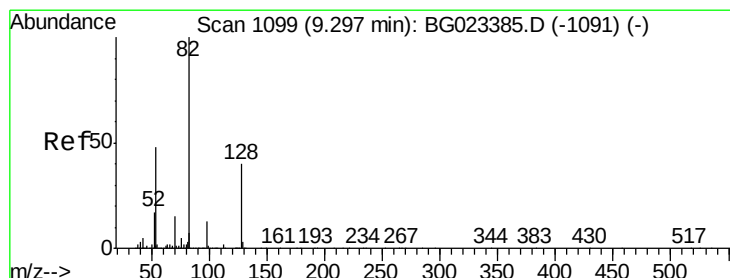
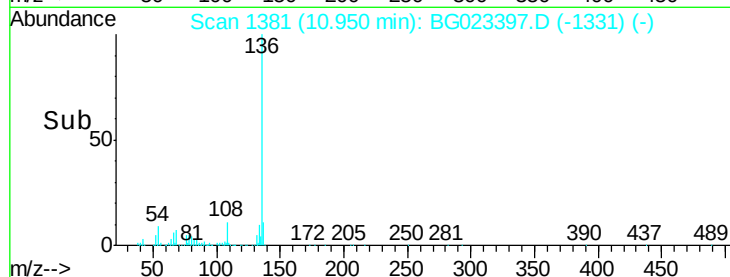
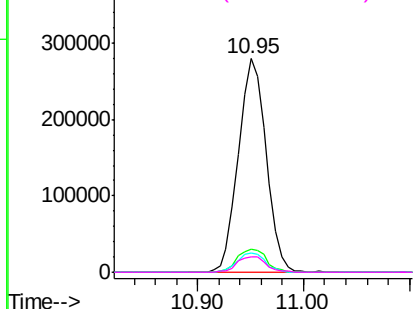
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.95 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Instrument :
BNA_G
ClientSampleId :
9535DL

Tot Ion:136	Resp:	508981
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.6 14.4
54	9.1	7.3 10.9
68	7.1	5.3 7.9

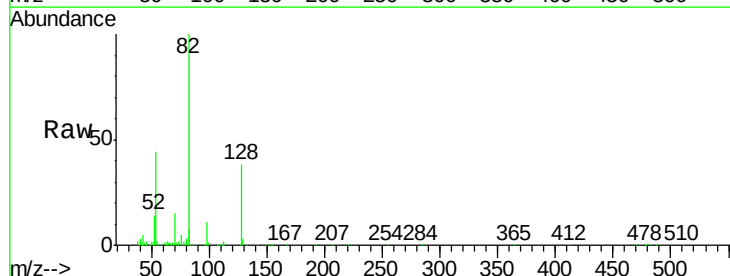


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

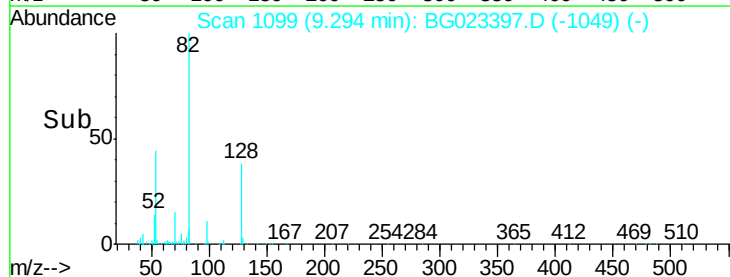
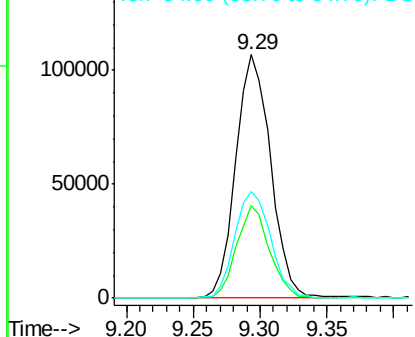


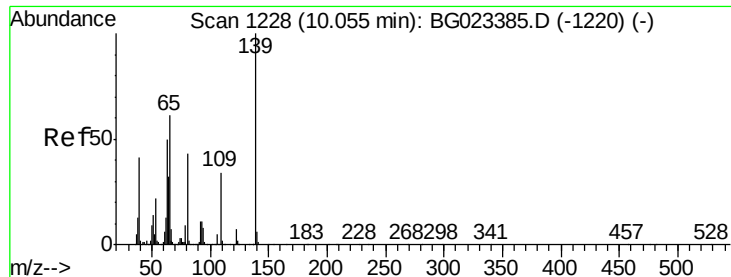
#23
Nitrobenzene-d5
Concen: 18.89 ng
RT: 9.29 min Scan# 1099
Delta R.T. -0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Tgt Ion: 82	Resp:	193424
Ion	Ratio	Lower Upper
82	100	
128	38.1	24.4 36.6#
54	43.6	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

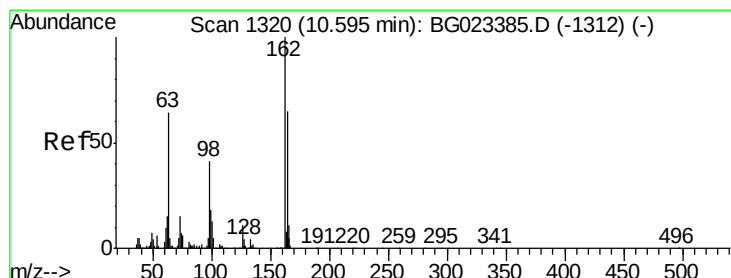
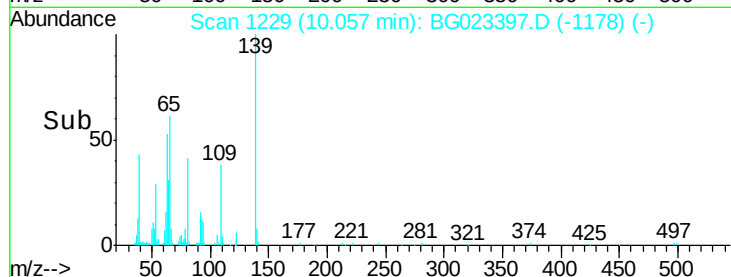
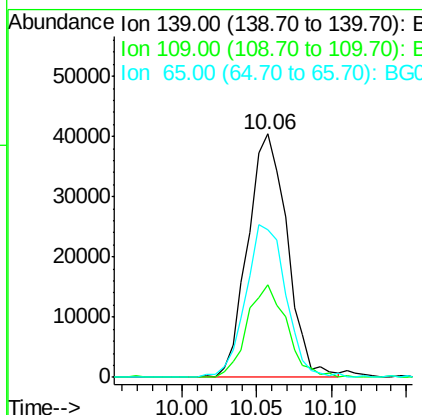
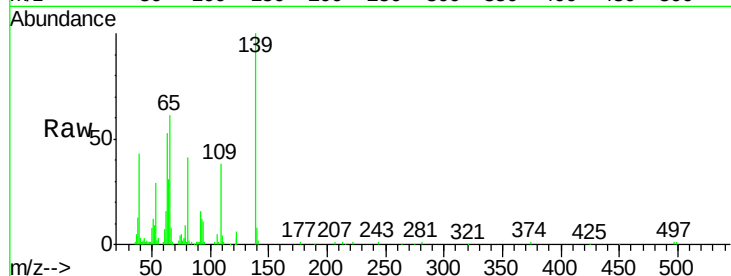




#26
2-Nitrophenol
Concen: 15.38 ng
RT: 10.06 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

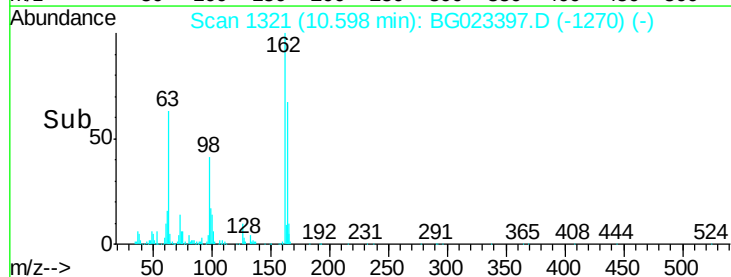
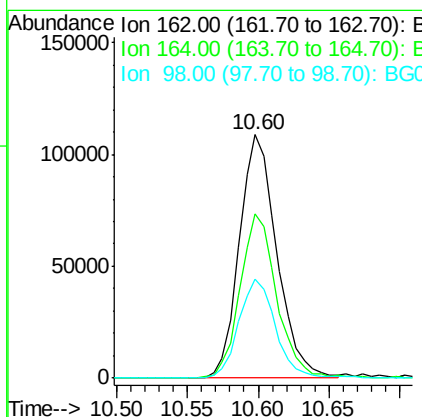
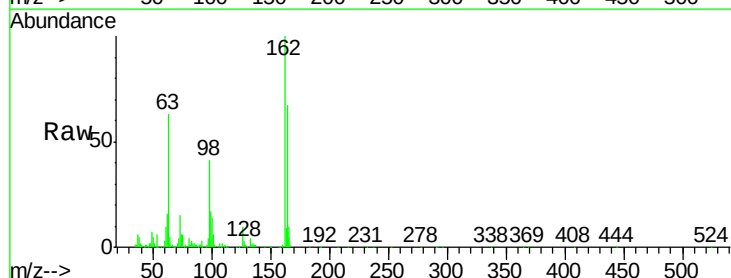
Instrument :
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ClientSampleId :
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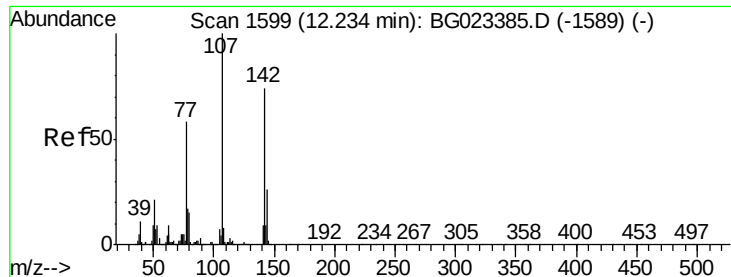
Tot Ion:139 Resp: 73614
Ion Ratio Lower Upper
139 100
109 38.1 43.5 65.3#
65 60.7 64.3 96.5#



#29
2,4-Dichlorophenol
Concen: 24.68 ng
RT: 10.60 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Tgt Ion:162 Resp: 202202
Ion Ratio Lower Upper
162 100
164 67.5 44.3 84.3
98 40.7 19.5 59.5

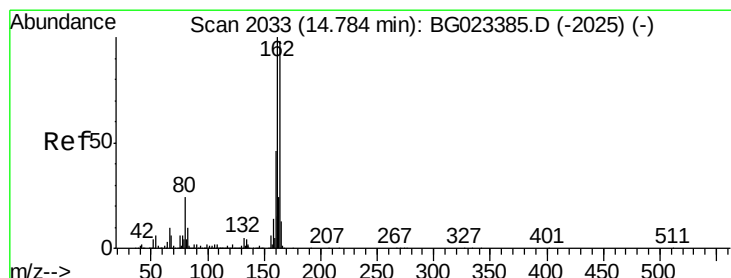
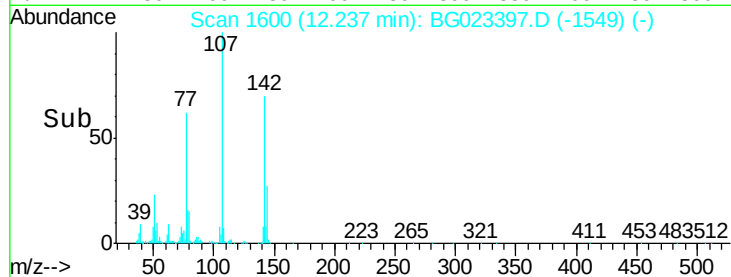
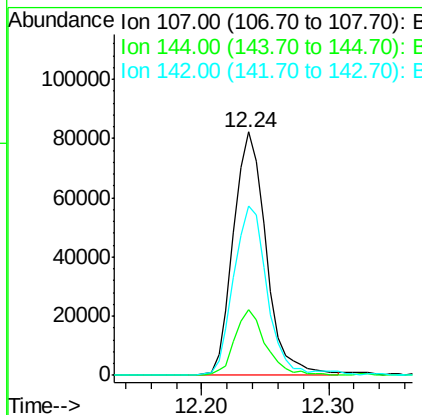
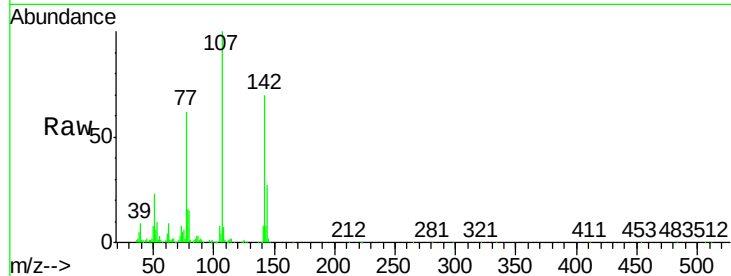




#36
4-Chloro-3-methylphenol
Concen: 13.68 ng
RT: 12.24 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

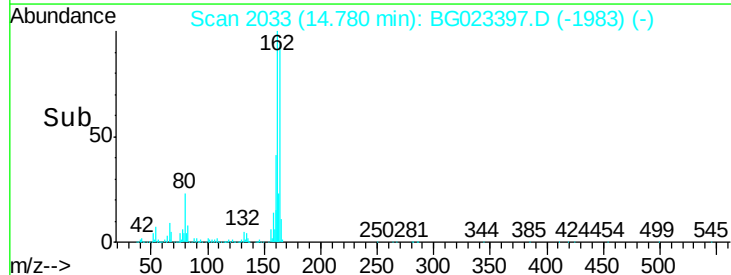
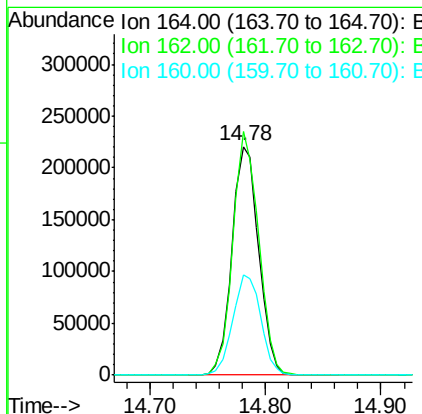
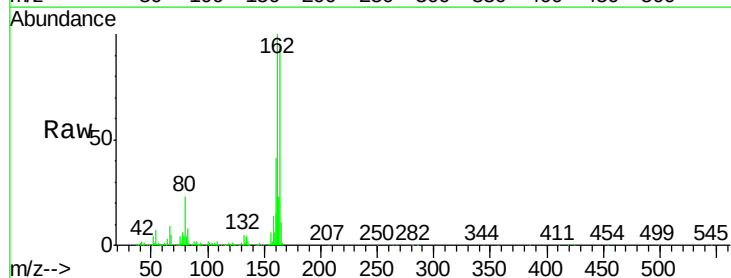
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9535DL

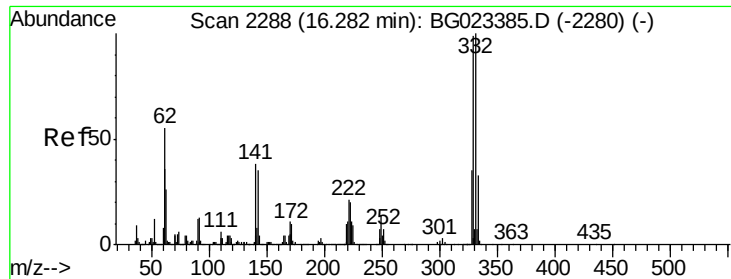
Tot Ion:107 Resp: 147194
Ion Ratio Lower Upper
107 100
144 27.0 17.0 25.6#
142 69.6 53.0 79.6



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.78 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Tgt Ion:164 Resp: 352469
Ion Ratio Lower Upper
164 100
162 106.4 87.7 131.5
160 43.9 37.2 55.8

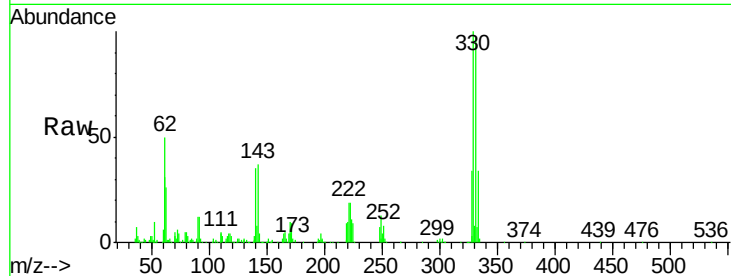




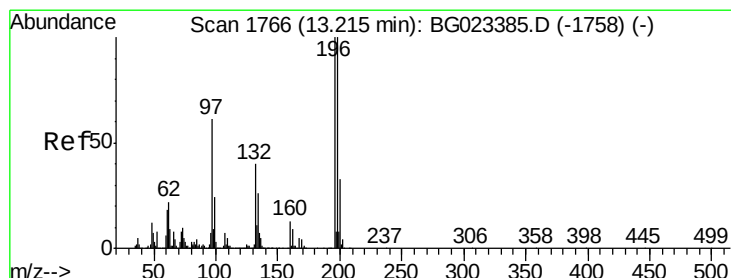
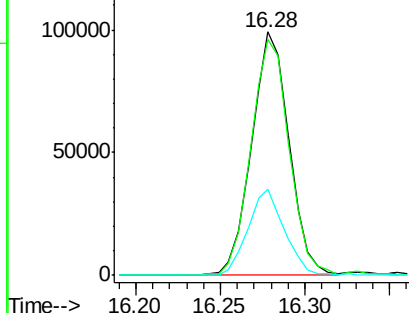
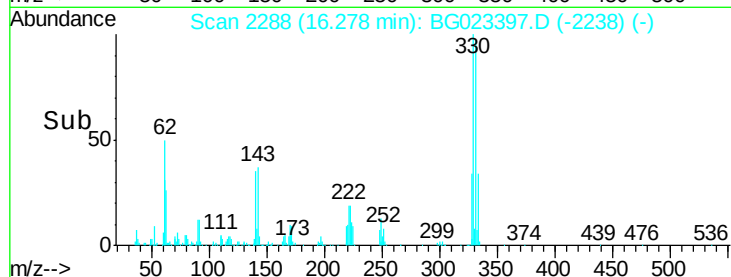
#41
 2,4,6-Tribromophenol
 Concen: 29.62 ng
 RT: 16.28 min Scan# 2288
 Delta R.T. -0.00 min
 Lab File: BG023397.D
 Acq: 2 Aug 2016 12:01

Instrument :
 BNA_G
 ClientSampled :
 9535DL

Tot Ion:330 Resp: 152717
 Ion Ratio Lower Upper
 330 100
 332 99.0 77.4 116.2
 141 34.7 31.7 47.5

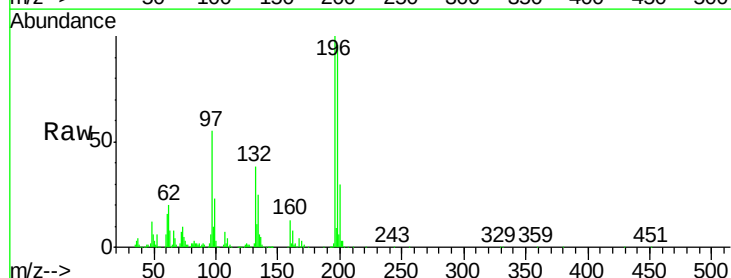


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

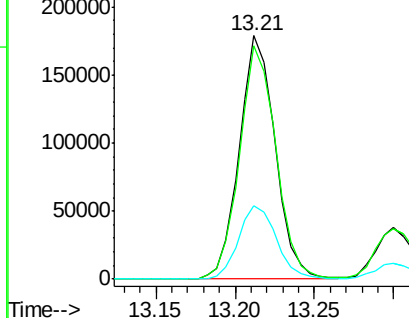
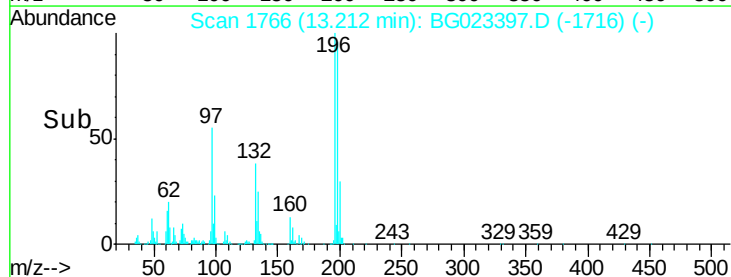


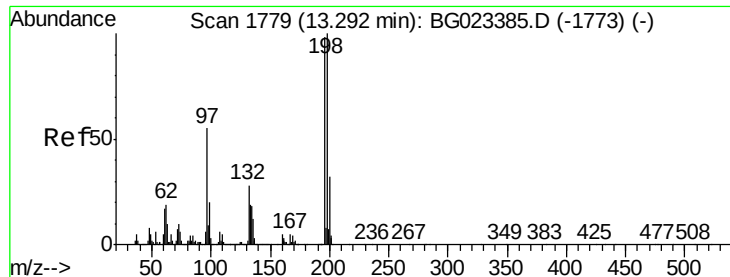
#42
 2,4,6-Trichlorophenol
 Concen: 36.86 ng
 RT: 13.21 min Scan# 1766
 Delta R.T. -0.00 min
 Lab File: BG023397.D
 Acq: 2 Aug 2016 12:01

Tgt Ion:196 Resp: 280644
 Ion Ratio Lower Upper
 196 100
 198 96.0 78.2 117.2
 200 30.4 27.0 40.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

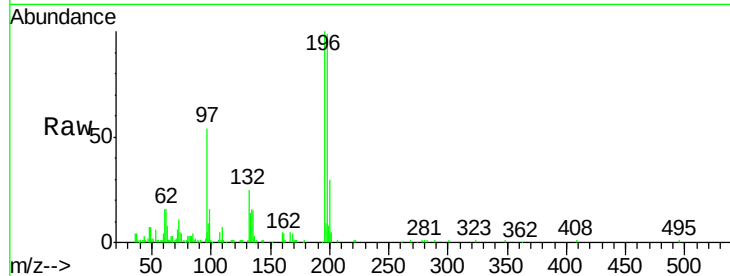




#43
2,4,5-Trichlorophenol
Concen: 8.50 ng
RT: 13.30 min Scan# 1781
Delta R.T. 0.01 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Instrument :
BNA_G
ClientSampleId :
9535DL

Tot Ion	Ratio	Lower	Upper
196	100		
198	98.8	85.7	128.5
97	54.1	45.5	68.3
132	24.6	18.9	28.3



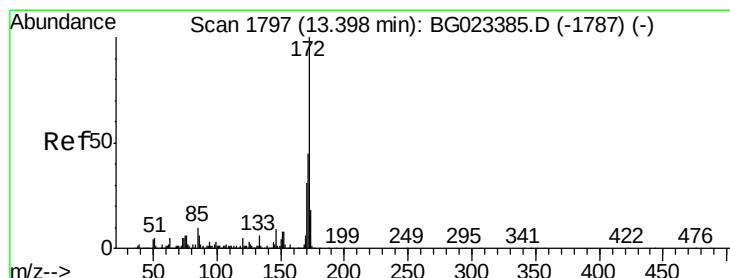
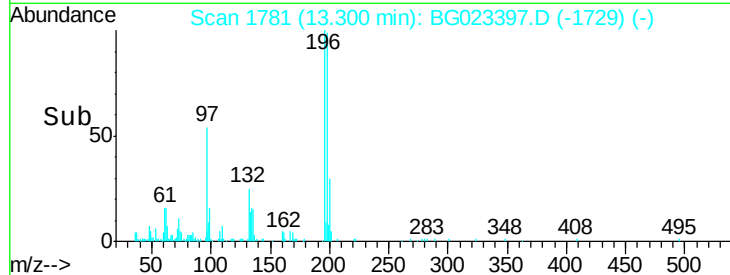
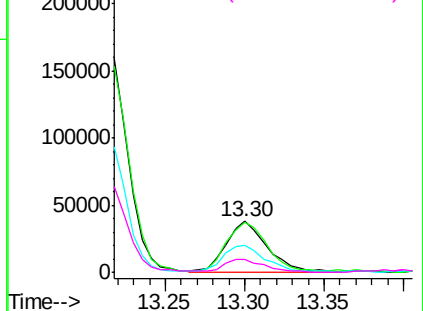
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

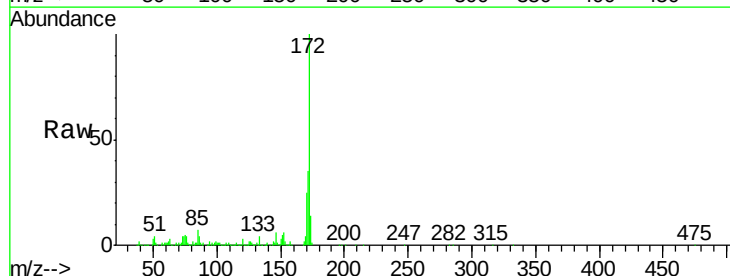
Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#44
2-Fluorobiphenyl
Concen: 22.13 ng
RT: 13.39 min Scan# 1797
Delta R.T. -0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	31.6	47.4
170	24.7	21.3	31.9

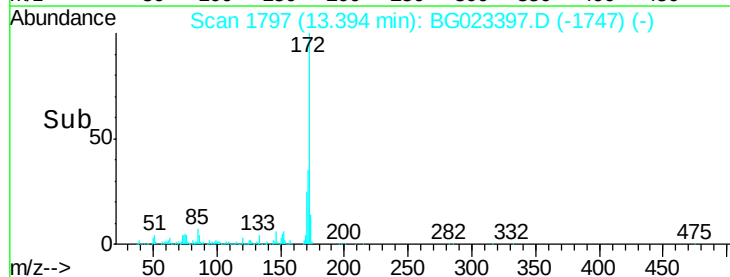
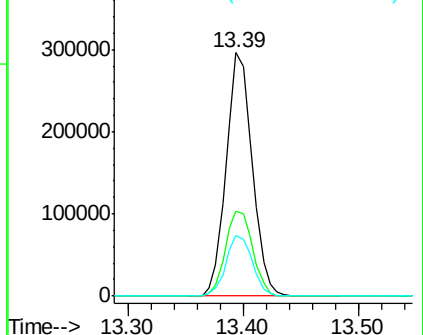


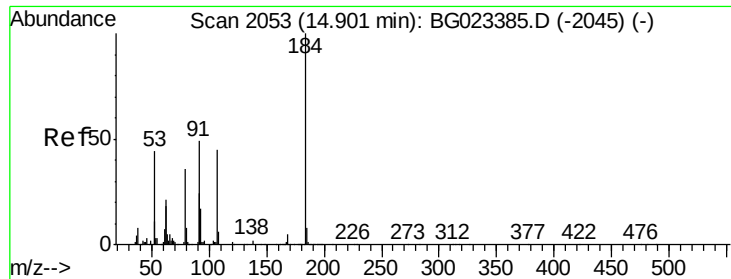
Abundance

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

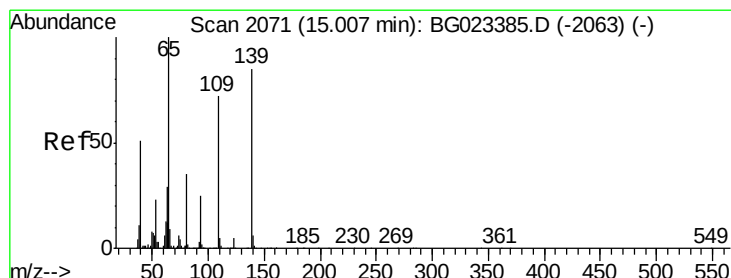
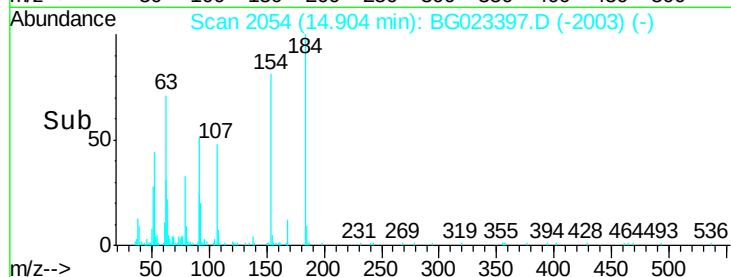
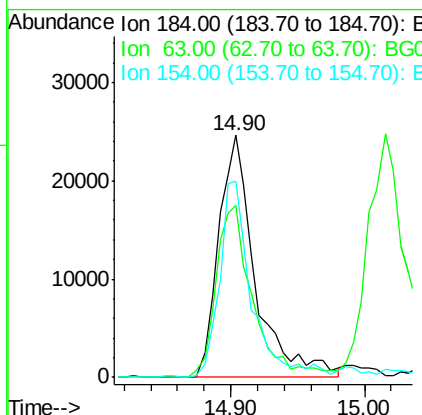
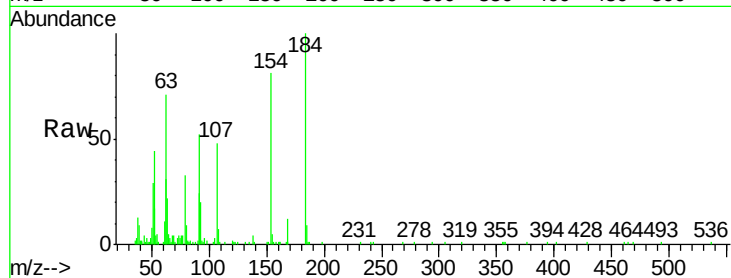




#53
2,4-Dinitrophenol
Concen: 11.53 ng
RT: 14.90 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

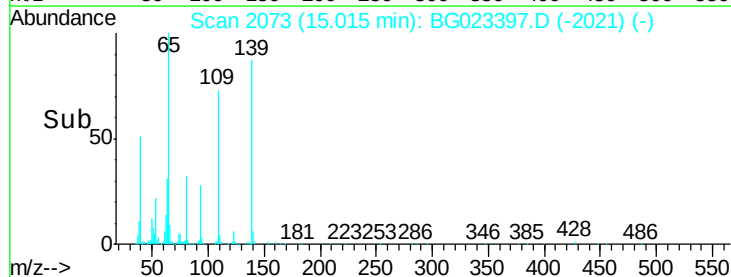
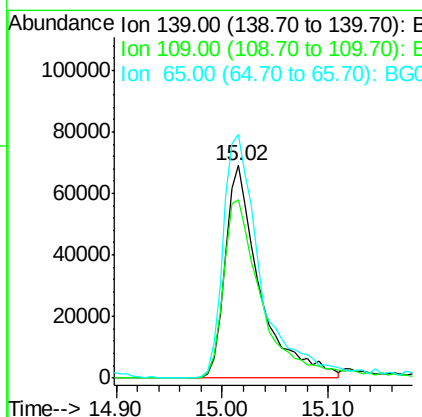
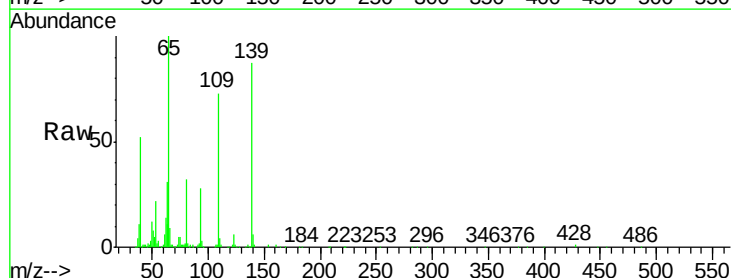
Instrument :
BNA_G
ClientSampleId :
9535DL

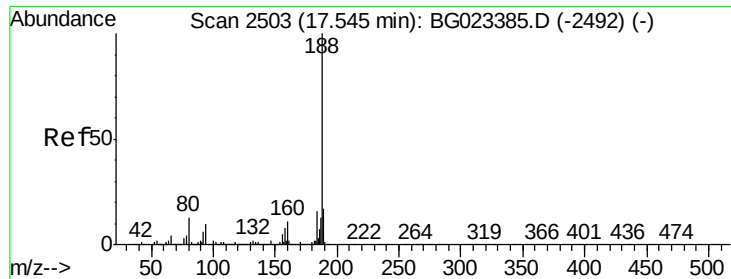
Tot Ion:184 Resp: 47329
Ion Ratio Lower Upper
184 100
63 70.9 59.6 89.4
154 80.8 67.4 101.0



#55
4-Nitrophenol
Concen: 27.48 ng
RT: 15.02 min Scan# 2073
Delta R.T. 0.01 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Tgt Ion:139 Resp: 155886
Ion Ratio Lower Upper
139 100
109 83.7 103.0 143.0#
65 114.4 112.7 152.7

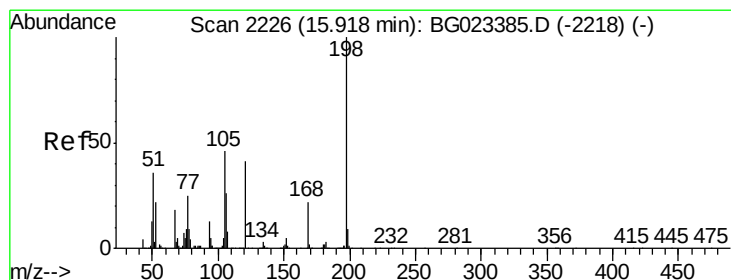
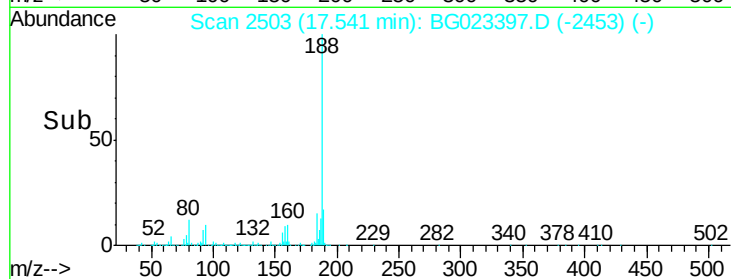
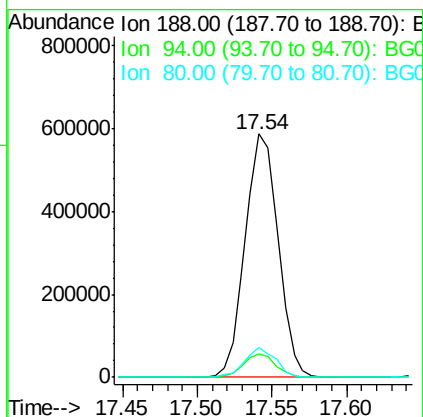
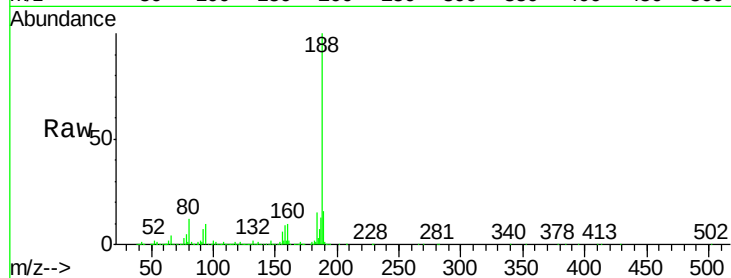




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.54 min Scan# 2503
Delta R.T. -0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

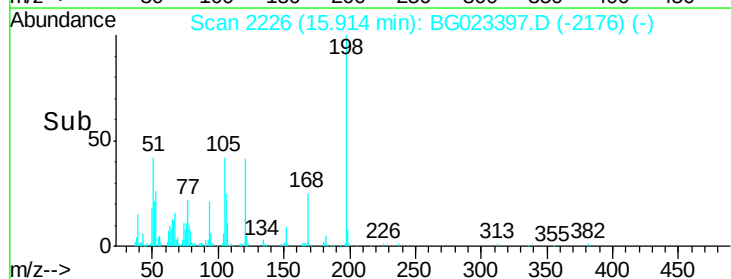
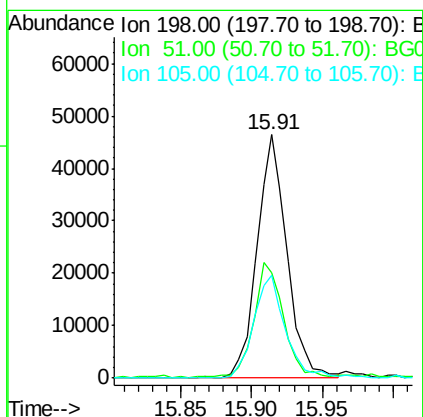
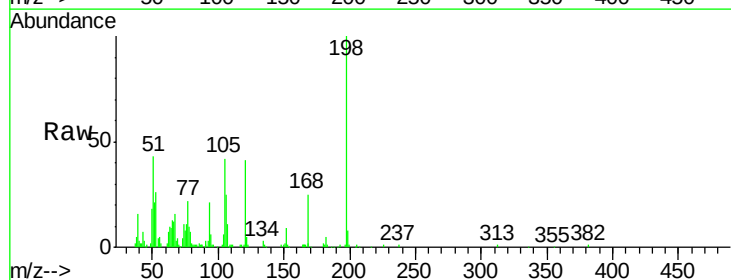
Instrument :
BNA_G
ClientSampleId :
9535DL

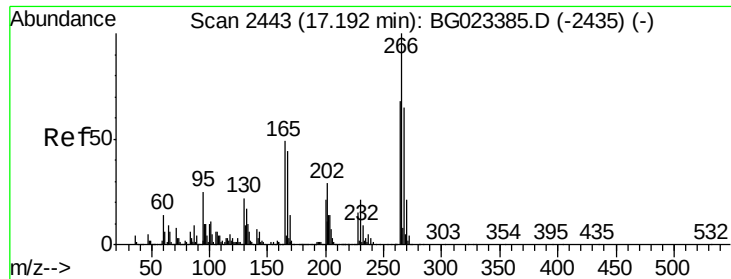
Tot Ion:188 Resp: 900367
Ion Ratio Lower Upper
188 100
94 9.6 5.2 7.8#
80 12.4 7.2 10.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 11.30 ng
RT: 15.91 min Scan# 2226
Delta R.T. -0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Tgt Ion:198 Resp: 69197
Ion Ratio Lower Upper
198 100
51 43.5 26.0 66.0
105 42.1 20.1 60.1





#69

Pentachlorophenol

Concen: 23.60 ng

RT: 17.19 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

BNA_G

ClientSampleId :

9535DL

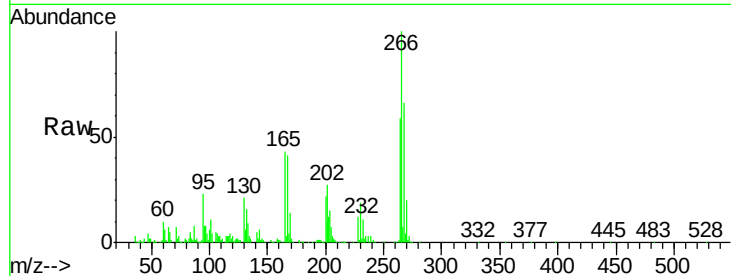
Tot Ion:266 Resp: 157965

Ion Ratio Lower Upper

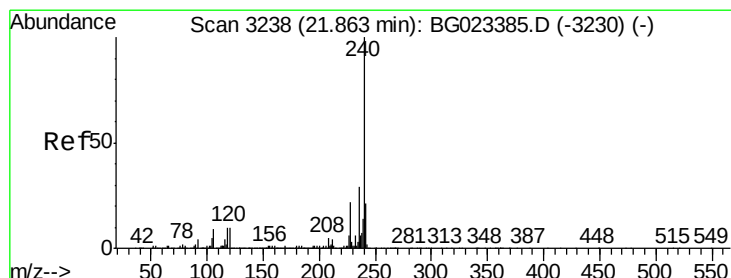
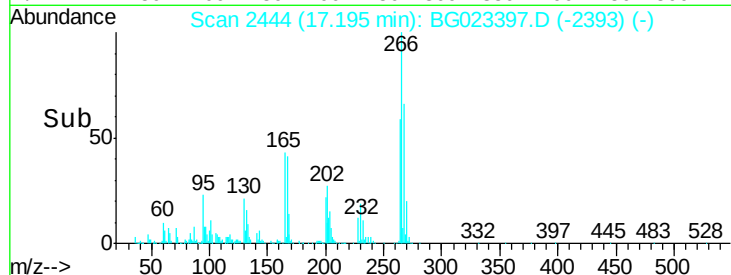
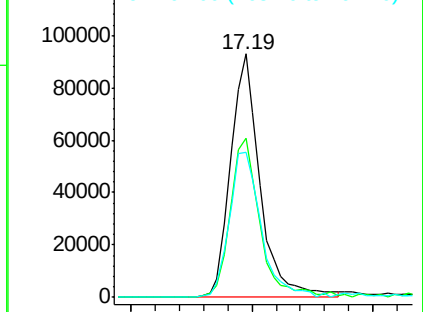
266 100

268 65.6 51.9 77.9

264 59.4 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: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

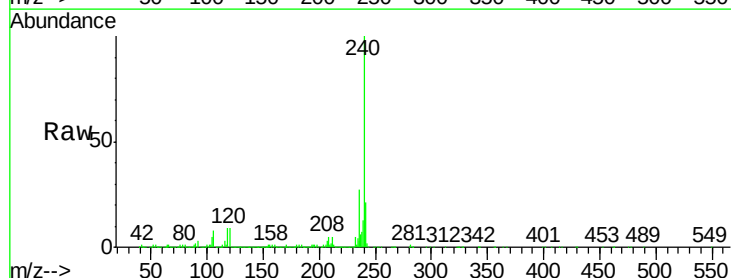
Tgt Ion:240 Resp: 987328

Ion Ratio Lower Upper

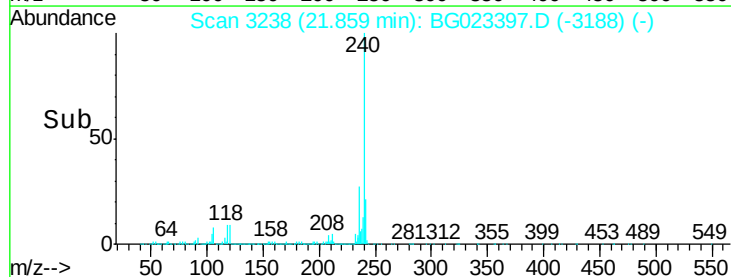
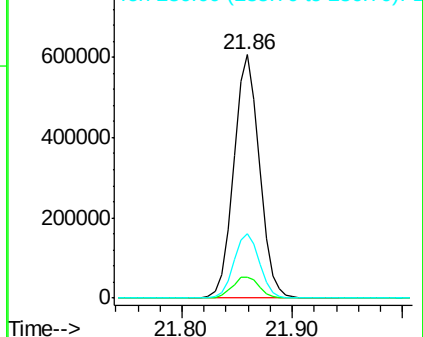
240 100

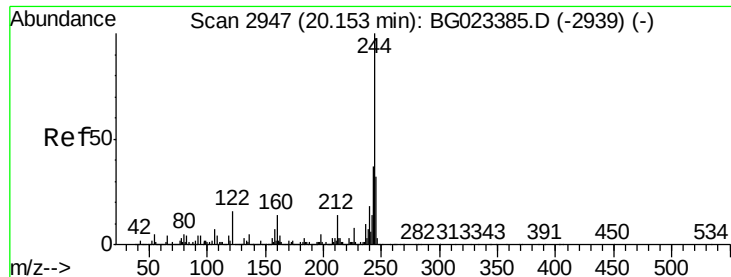
120 8.8 4.1 6.1#

236 26.6 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: 9.86 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

BNA_G

ClientSampleId :

9535DL

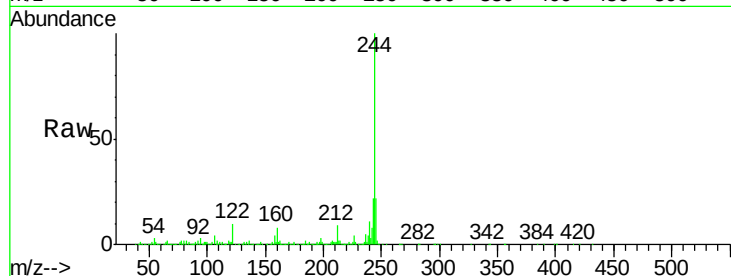
Tot Ion:244 Resp: 844965

Ion Ratio Lower Upper

244 100

212 9.0 10.8 16.2#

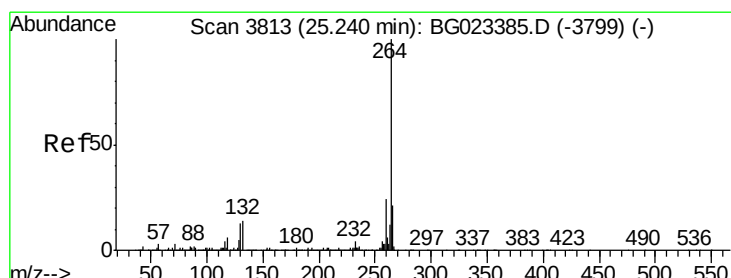
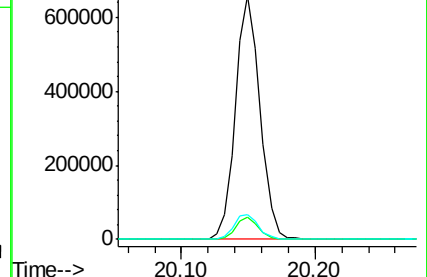
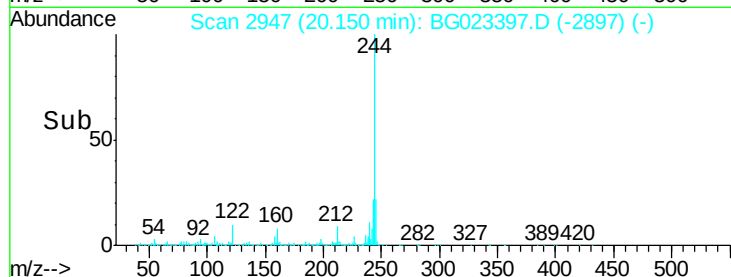
122 9.9 8.0 12.0



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: 25.24 min Scan# 3814

Delta R.T. 0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

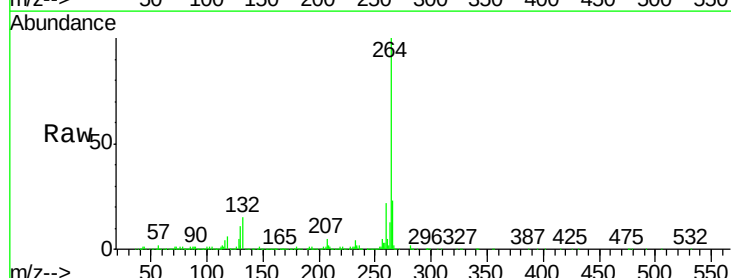
Tgt Ion:264 Resp: 995679

Ion Ratio Lower Upper

264 100

260 22.2 18.4 27.6

265 22.9 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

