

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080216\
 Data File : BG023395.D
 Acq On : 2 Aug 2016 10:41
 Operator : UM/SJ
 Sample : H4145-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 9535

Quant Time: Aug 02 12:57:56 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

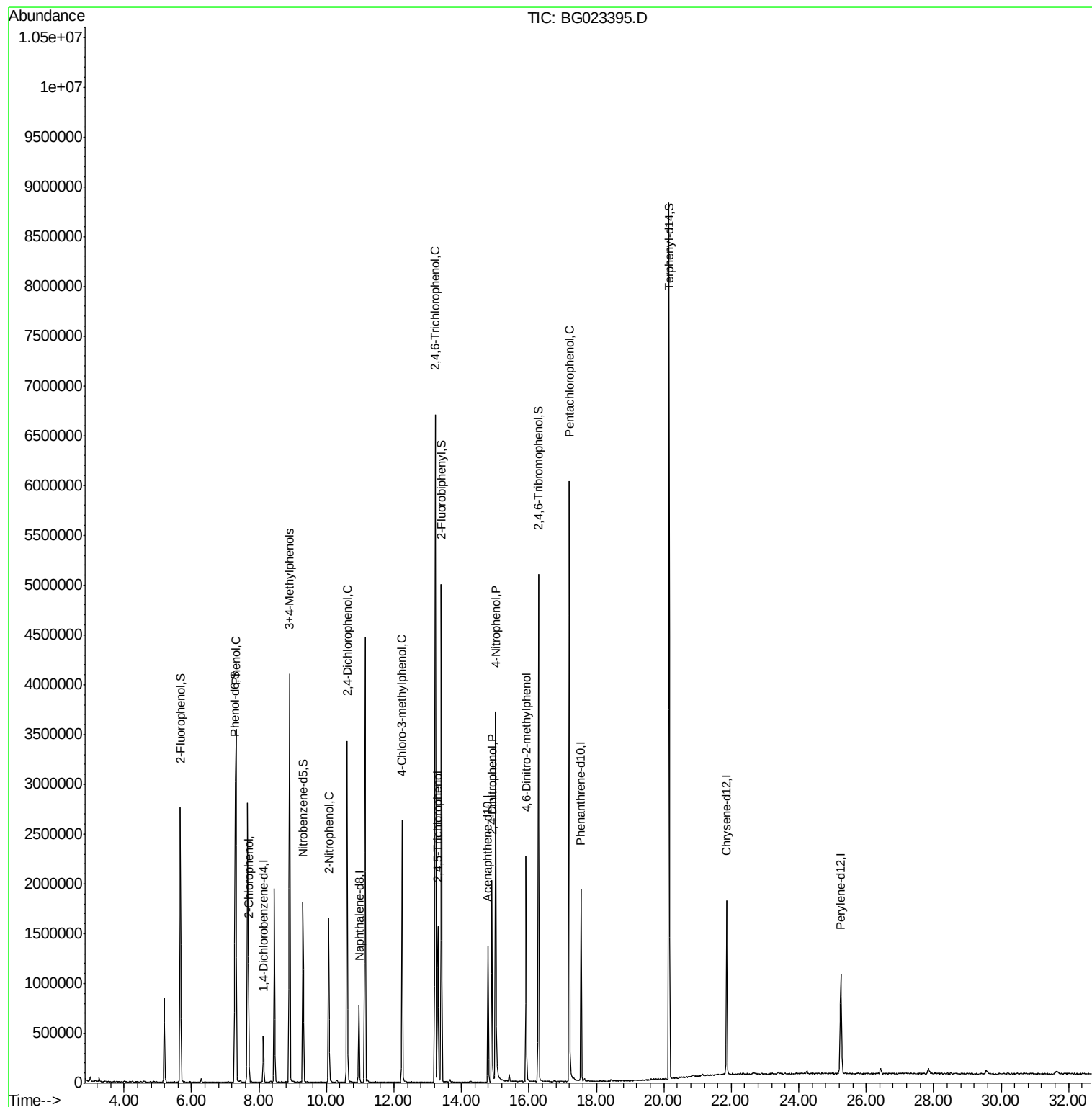
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	130848	20.00	ng	0.01
21) Naphthalene-d8	10.96	136	637988	20.00	ng	0.01
38) Acenaphthene-d10	14.79	164	472423	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1141164	20.00	ng	0.00
75) Chrysene-d12	21.86	240	1044367	20.00	ng	0.00
86) Perylene-d12	25.25	264	1049858	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	1169463	150.44	ng	0.01
7) Phenol-d6	7.29	99	1816295	150.01	ng	0.02
23) Nitrobenzene-d5	9.31	82	1154632	89.97	ng	0.01
41) 2,4,6-Tribromophenol	16.29	330	954799	138.18	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	2372828	84.72	ng	0.01
78) Terphenyl-d14	20.16	244	3196276	98.91	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.69	128	473887	53.06	ng	98
10) Phenol	7.32	94	1804296	139.30	ng	85
20) 3+4-Methylphenols	8.91	107	1856982	151.70	ng	85
26) 2-Nitrophenol	10.07	139	509067	84.88	ng	# 80
29) 2,4-Dichlorophenol	10.61	162	1267340	123.42	ng	97
36) 4-Chloro-3-methylphenol	12.24	107	959317	71.11	ng	90
42) 2,4,6-Trichlorophenol	13.23	196	1595764	156.37	ng	97
43) 2,4,5-Trichlorophenol	13.30	196	446876	42.53	ng	# 95
53) 2,4-Dinitrophenol	14.91	184	436003	79.24	ng	87
55) 4-Nitrophenol	15.02	139	1075610	141.49	ng	# 76
64) 4,6-Dinitro-2-methylphenol	15.92	198	526302	67.83	ng	96
69) Pentachlorophenol	17.20	266	1106900	130.48	ng	96

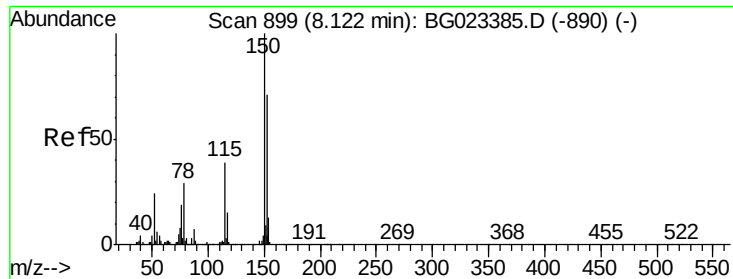
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.13 min Scan# 901

Delta R.T. 0.01 min

Lab File: BG023395.D

Acq: 2 Aug 2016 10:41

Instrument :

BNA_G

ClientSampleId :

9535

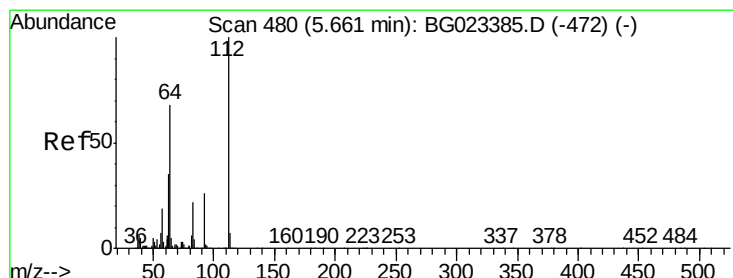
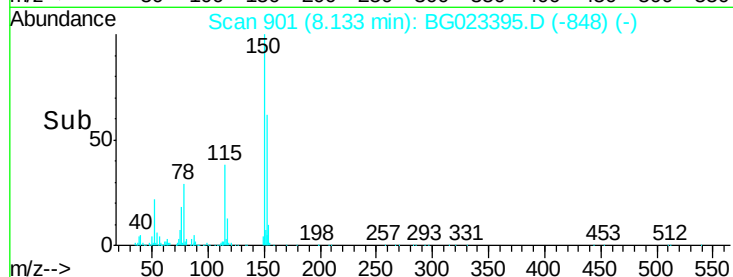
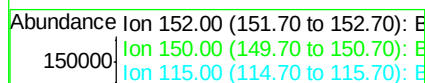
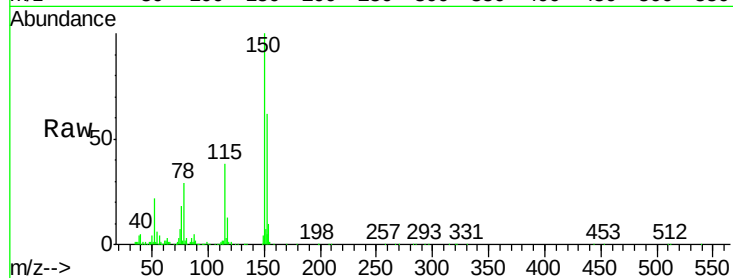
Tot Ion:152 Resp: 130848

Ion Ratio Lower Upper

152 100

150 160.5 144.7 217.1

115 60.9 64.0 96.0#



#5

2-Fluorophenol

Concen: 150.44 ng

RT: 5.67 min Scan# 482

Delta R.T. 0.01 min

Lab File: BG023395.D

Acq: 2 Aug 2016 10:41

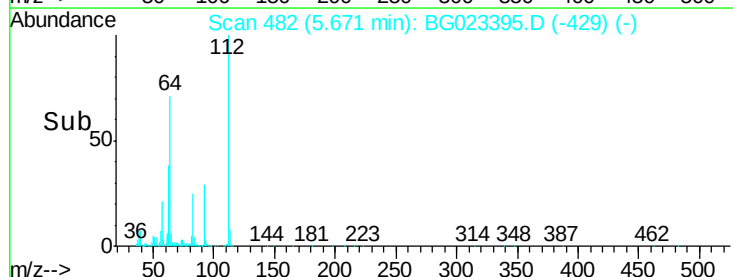
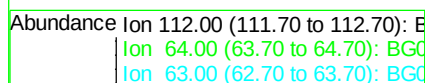
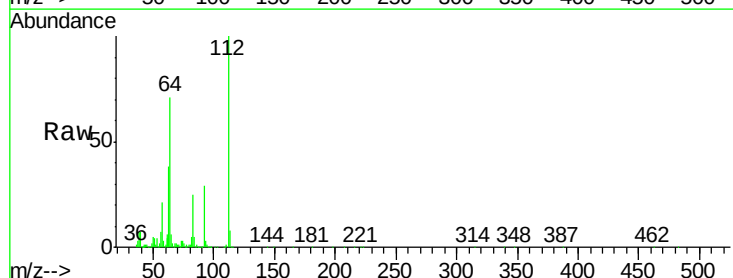
Tgt Ion:112 Resp: 1169463

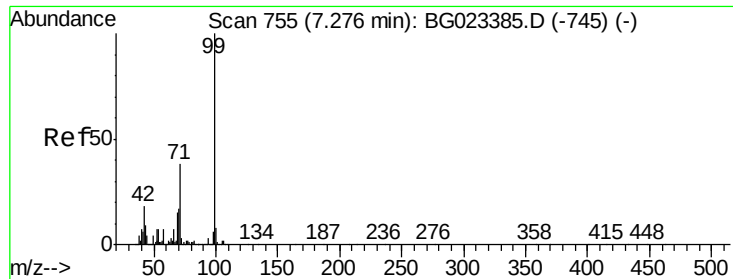
Ion Ratio Lower Upper

112 100

64 70.8 59.0 88.4

63 38.3 37.8 56.8





#7

Phenol-d6

Concen: 150.01 ng

RT: 7.29 min Scan# 758

Delta R.T. 0.02 min

Lab File: BG023395.D

Acq: 2 Aug 2016 10:41

Instrument :

BNA_G

ClientSampleId :

9535

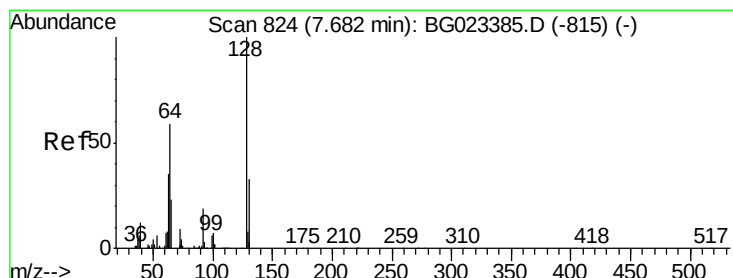
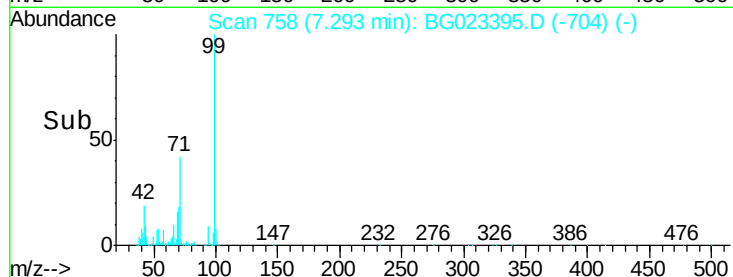
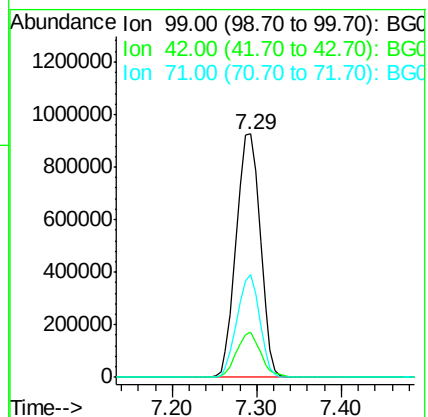
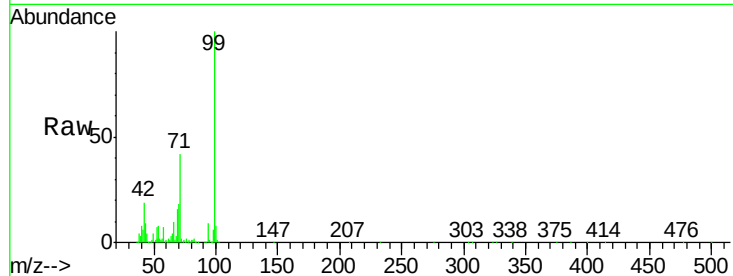
Tot Ion: 99 Resp: 1816295

Ion Ratio Lower Upper

99 100

42 18.5 17.8 26.6

71 42.0 41.5 62.3



#8

2-Chlorophenol

Concen: 53.06 ng

RT: 7.69 min Scan# 826

Delta R.T. 0.01 min

Lab File: BG023395.D

Acq: 2 Aug 2016 10:41

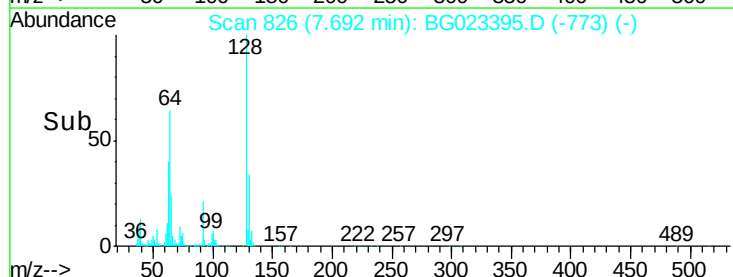
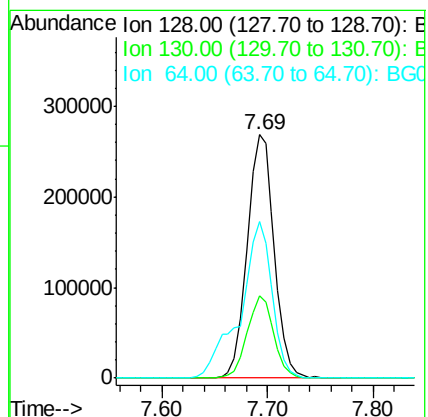
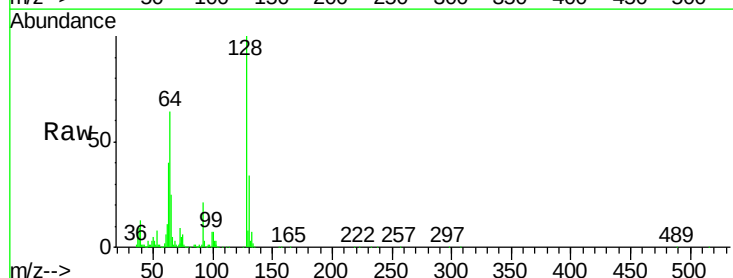
Tgt Ion: 128 Resp: 473887

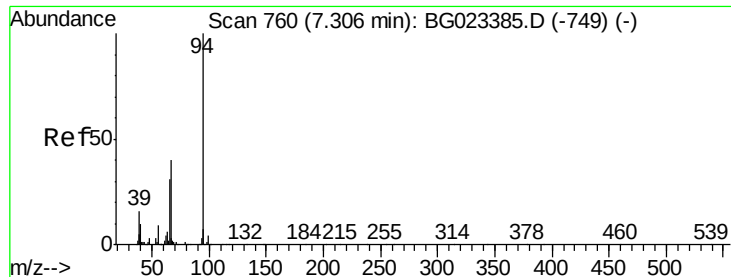
Ion Ratio Lower Upper

128 100

130 33.7 12.9 52.9

64 64.2 42.0 82.0





#10

Phenol

Concen: 139.30 ng

RT: 7.32 min Scan# 763

Delta R.T. 0.02 min

Lab File: BG023395.D

Acq: 2 Aug 2016 10:41

Instrument :

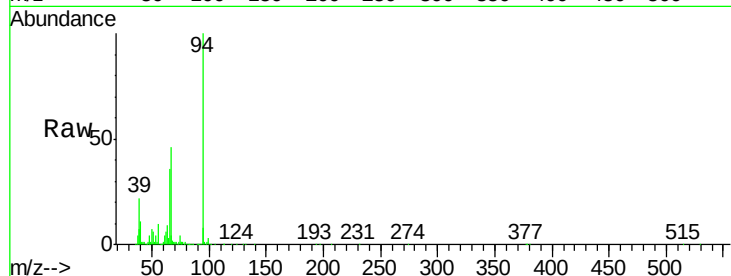
BNA_G

ClientSampleId :

9535

Tot Ion: 94 Resp: 1804296

Ion	Ratio	Lower	Upper
94	100		
65	35.6	18.1	58.1
66	45.6	42.1	82.1

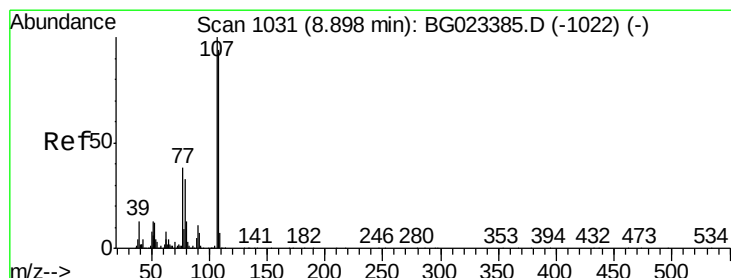
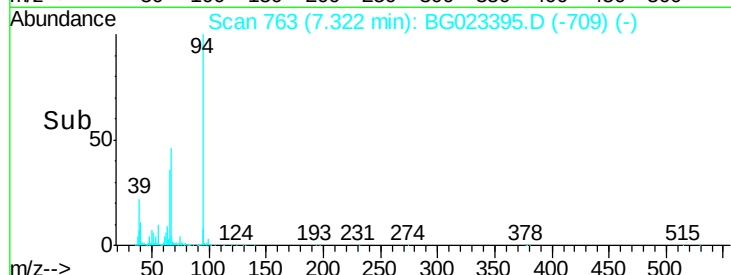
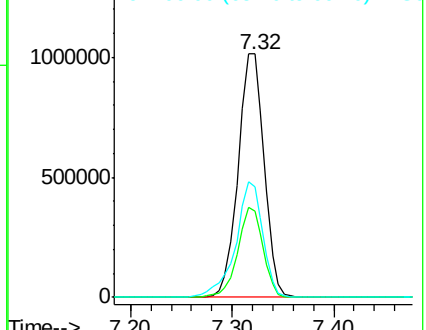


Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#20

3+4-Methylphenols

Concen: 151.70 ng

RT: 8.91 min Scan# 1033

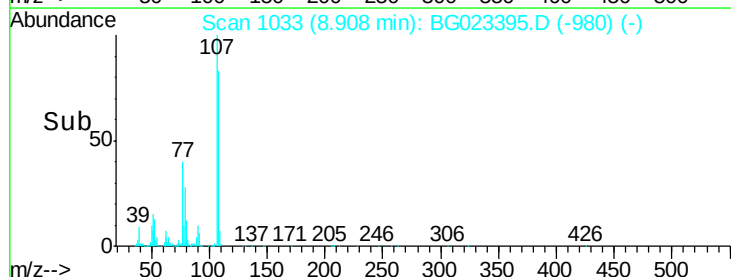
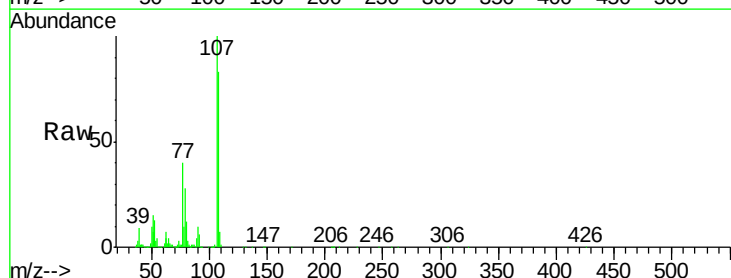
Delta R.T. 0.01 min

Lab File: BG023395.D

Acq: 2 Aug 2016 10:41

Tgt Ion:107 Resp: 1856982

Ion	Ratio	Lower	Upper
107	100		
108	83.2	72.5	112.5
77	39.8	30.1	70.1
79	28.2	24.2	64.2



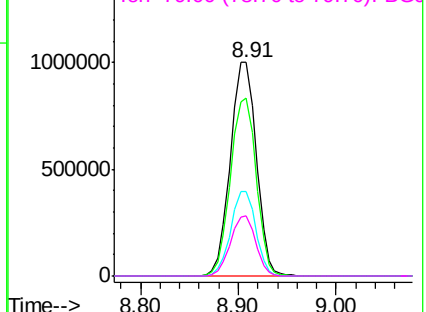
Abundance

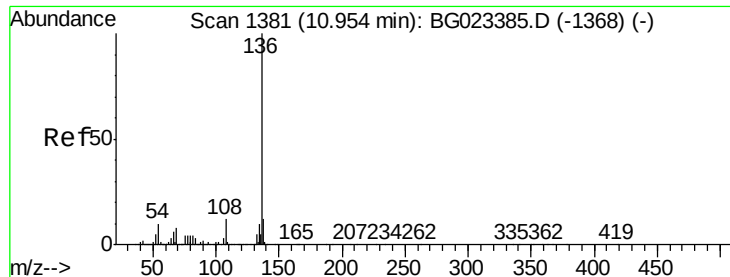
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

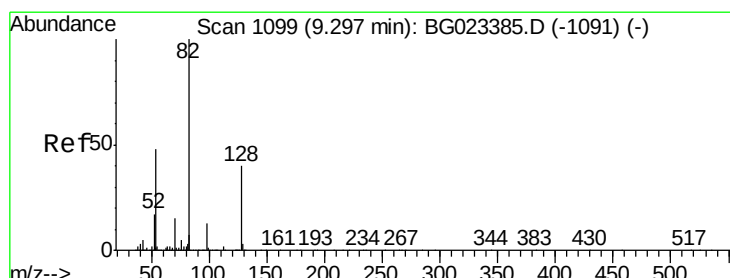
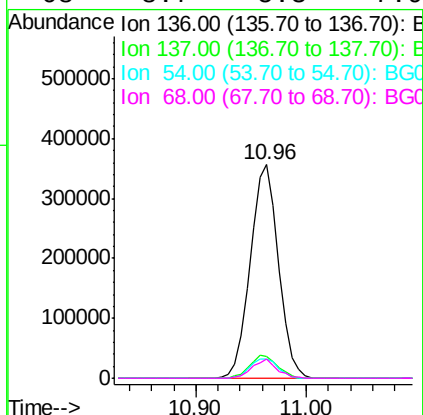
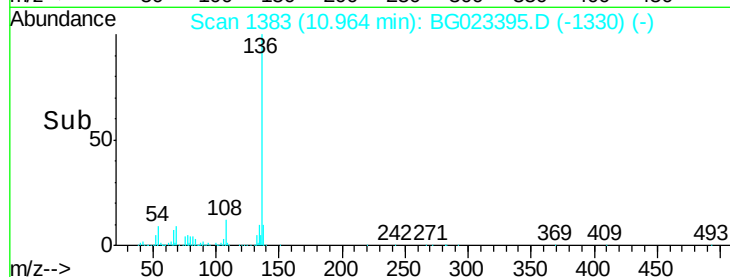
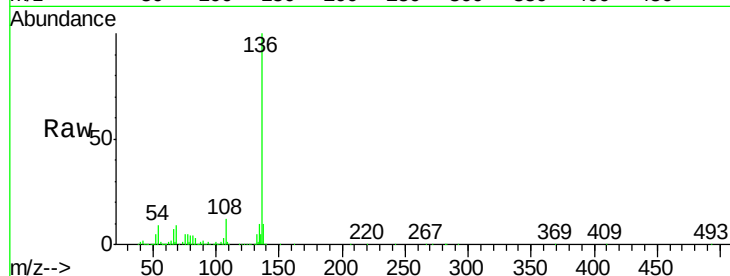




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.96 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BG023395.D
Acq: 2 Aug 2016 10:41

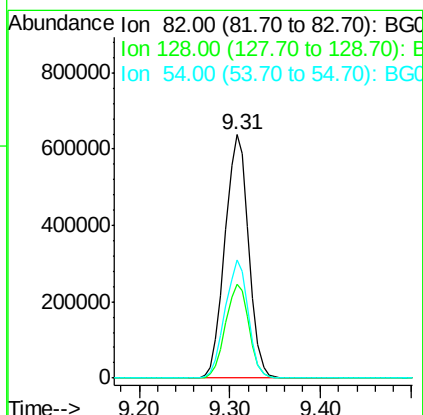
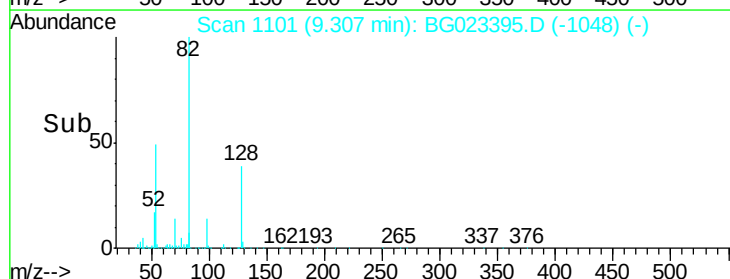
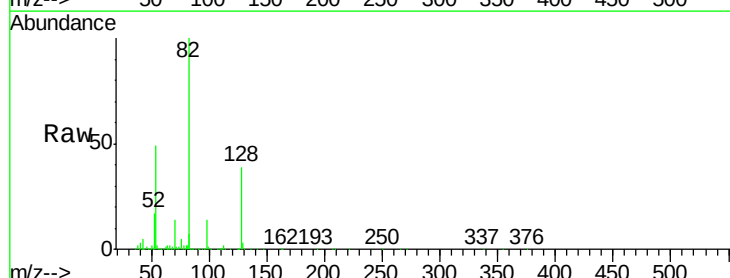
Instrument :
BNA_G
ClientSampleId :
9535

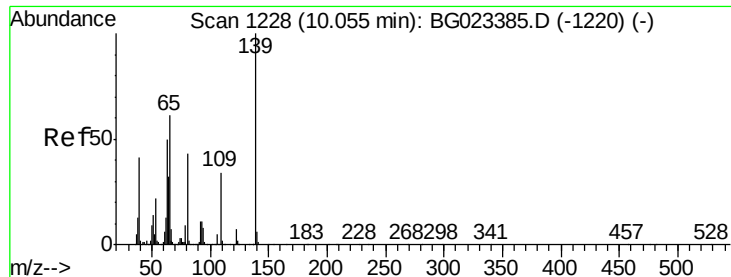
Tot Ion:136	Resp:	637988	
Ion Ratio	Lower	Upper	
136 100			
137 10.4	9.6	14.4	
54 9.1	7.3	10.9	
68 8.7	5.3	7.9#	



#23
Nitrobenzene-d5
Concen: 89.97 ng
RT: 9.31 min Scan# 1101
Delta R.T. 0.01 min
Lab File: BG023395.D
Acq: 2 Aug 2016 10:41

Tgt Ion: 82	Resp: 1154632
Ion Ratio	Lower Upper
82 100	
128 38.6	24.4 36.6#
54 48.6	41.4 62.0

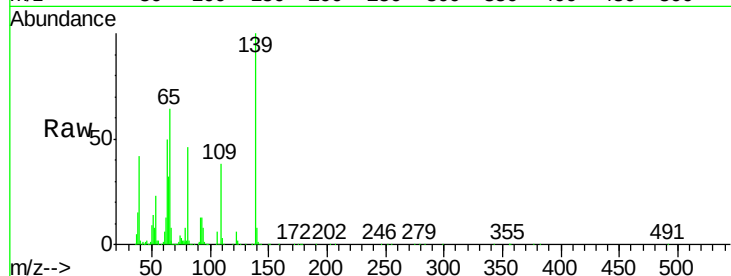




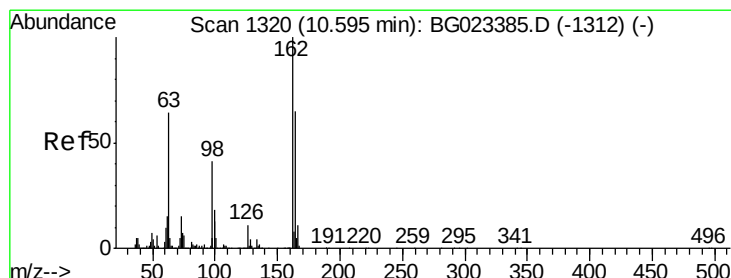
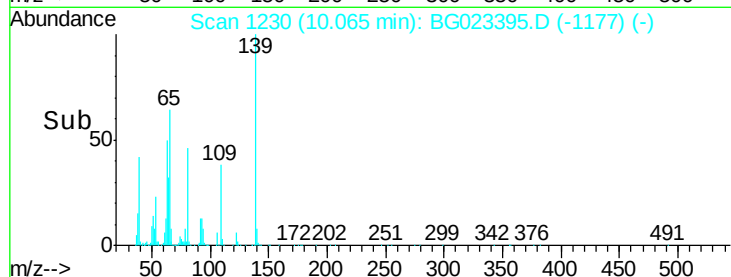
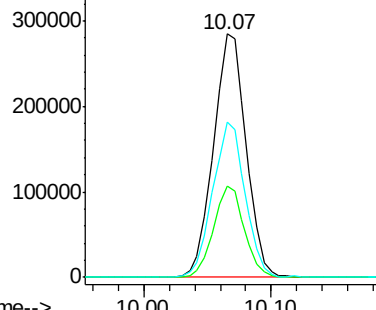
#26
2-Nitrophenol
Concen: 84.88 ng
RT: 10.07 min Scan# 1230
Delta R.T. 0.01 min
Lab File: BG023395.D
Acq: 2 Aug 2016 10:41

Instrument :
BNA_G
ClientSampleId :
9535

Tot Ion:139 Resp: 509067
Ion Ratio Lower Upper
139 100
109 37.6 43.5 65.3#
65 64.0 64.3 96.5#

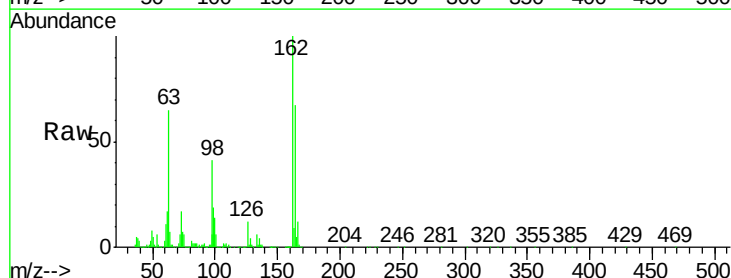


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

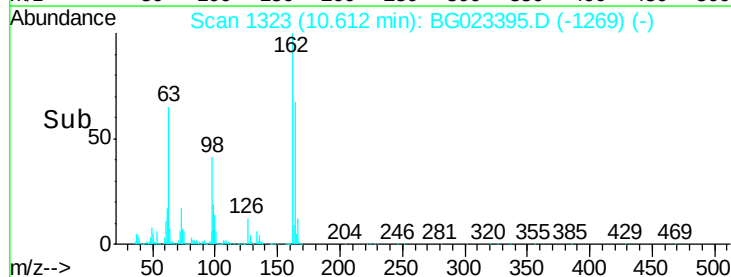
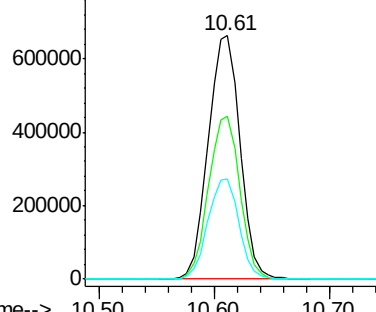


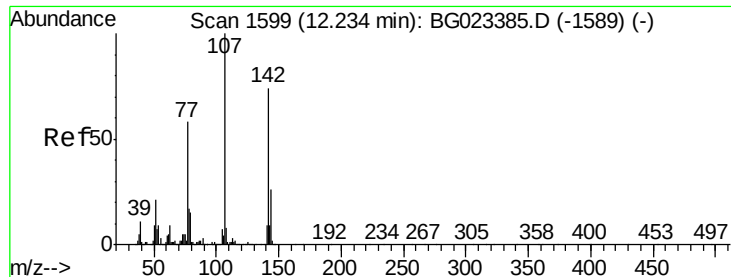
#29
2,4-Dichlorophenol
Concen: 123.42 ng
RT: 10.61 min Scan# 1323
Delta R.T. 0.02 min
Lab File: BG023395.D
Acq: 2 Aug 2016 10:41

Tgt Ion:162 Resp: 1267340
Ion Ratio Lower Upper
162 100
164 67.1 44.3 84.3
98 41.0 19.5 59.5



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC

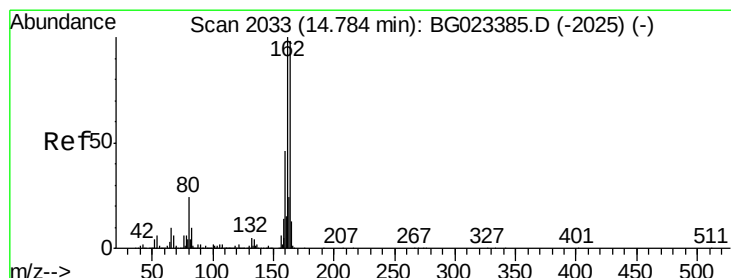
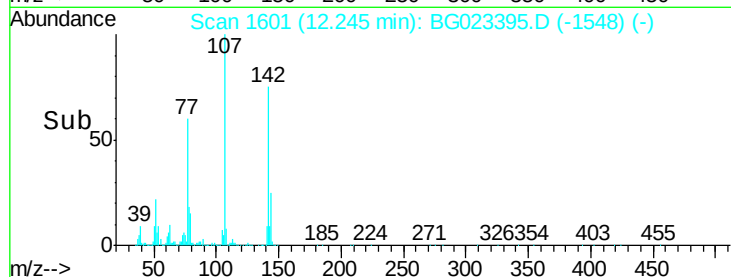
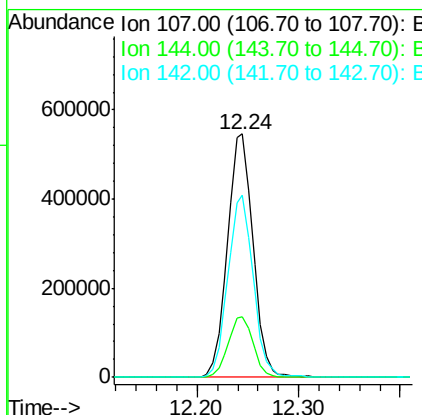
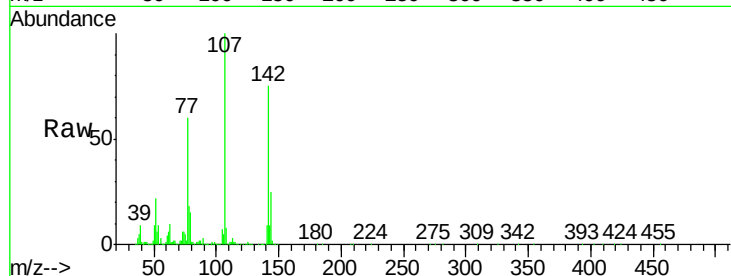




#36
4-Chloro-3-methylphenol
Concen: 71.11 ng
RT: 12.24 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BG023395.D
Acq: 2 Aug 2016 10:41

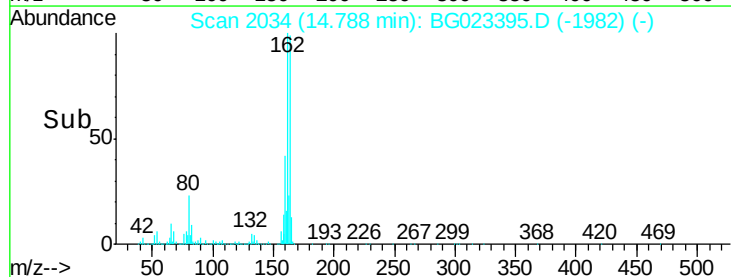
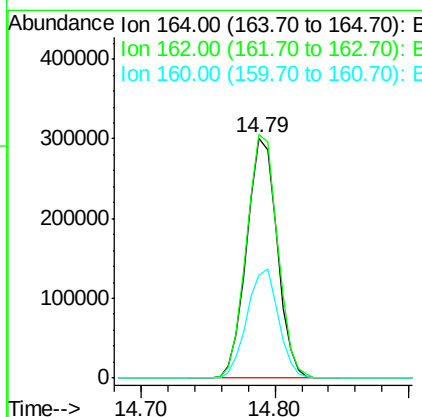
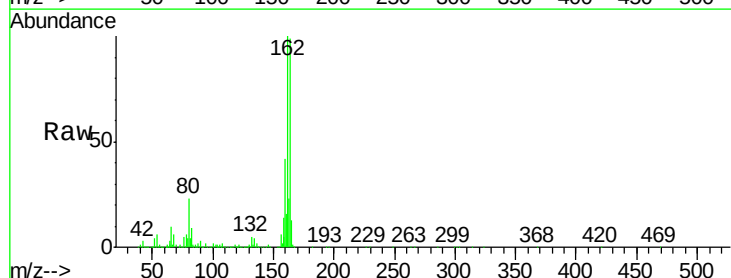
Instrument :
BNA_G
ClientSampleId :
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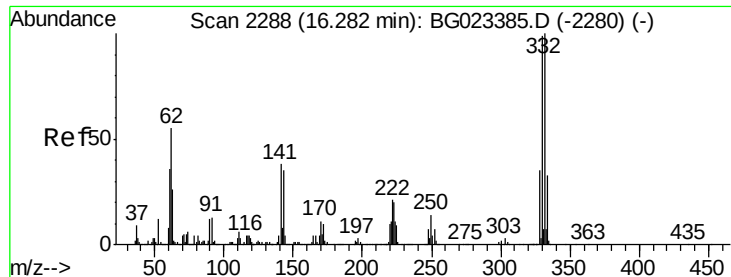
Tot Ion	Ratio	Lower	Upper
107	100		
144	25.1	17.0	25.6
142	74.6	53.0	79.6



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.79 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BG023395.D
Acq: 2 Aug 2016 10:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	87.7	131.5
160	42.8	37.2	55.8

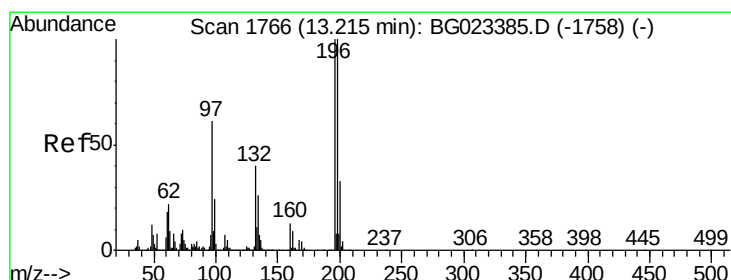
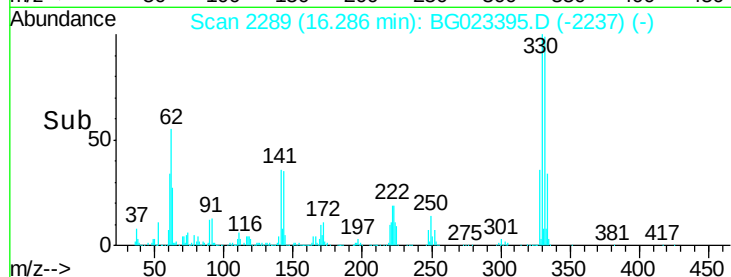
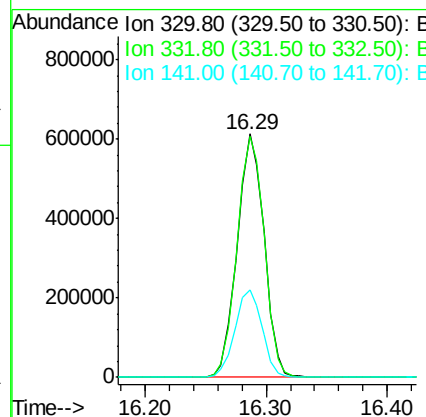
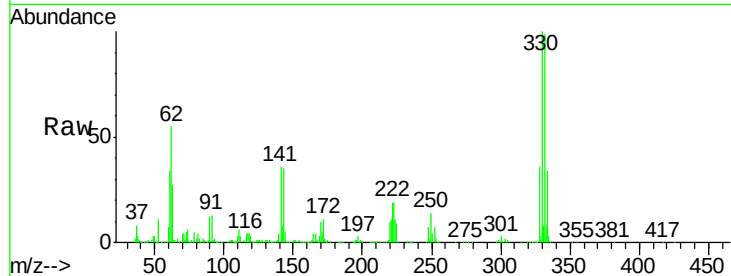




#41
 2,4,6-Tribromophenol
 Concen: 138.18 ng
 RT: 16.29 min Scan# 2289
 Delta R.T. 0.00 min
 Lab File: BG023395.D
 Acq: 2 Aug 2016 10:41

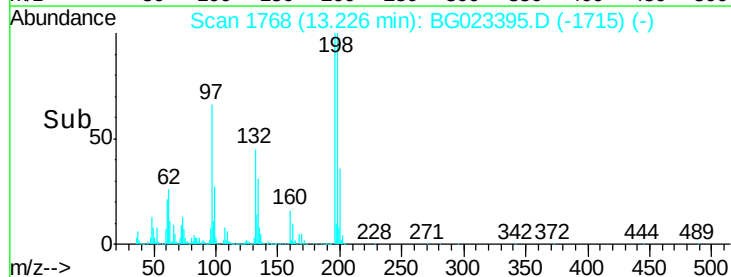
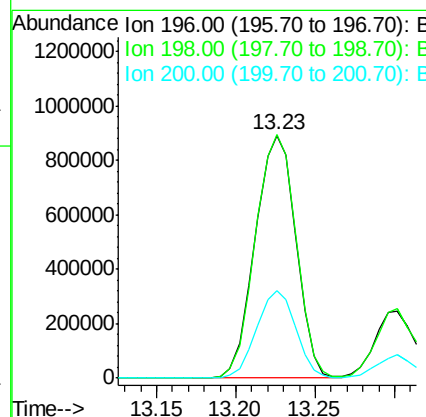
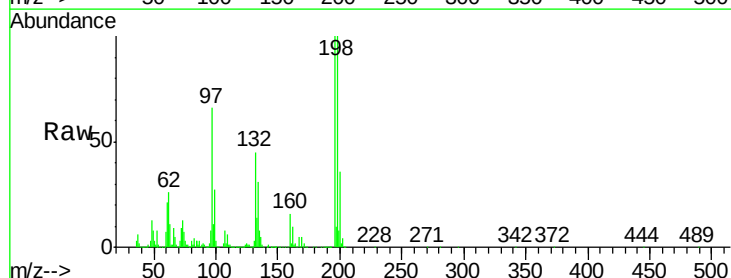
Instrument :
 BNA_G
 ClientSampleId :
 9535

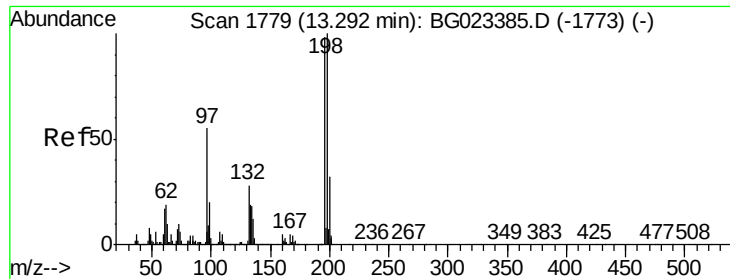
Tot Ion	Ratio	Lower	Upper
330	100		
332	100.1	77.4	116.2
141	36.4	31.7	47.5



#42
 2,4,6-Trichlorophenol
 Concen: 156.37 ng
 RT: 13.23 min Scan# 1768
 Delta R.T. 0.01 min
 Lab File: BG023395.D
 Acq: 2 Aug 2016 10:41

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.4	78.2	117.2
200	35.9	27.0	40.4

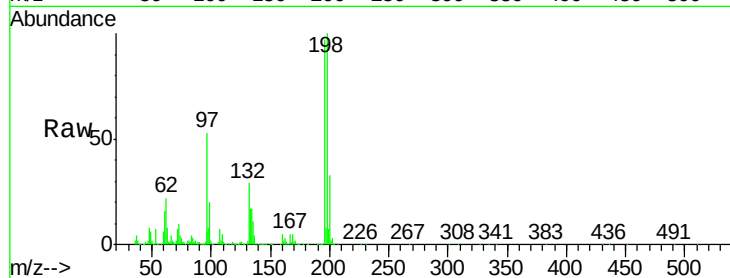




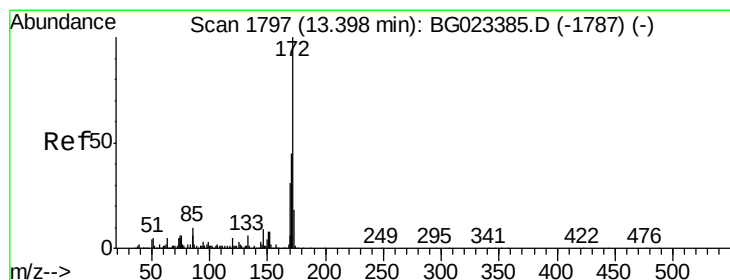
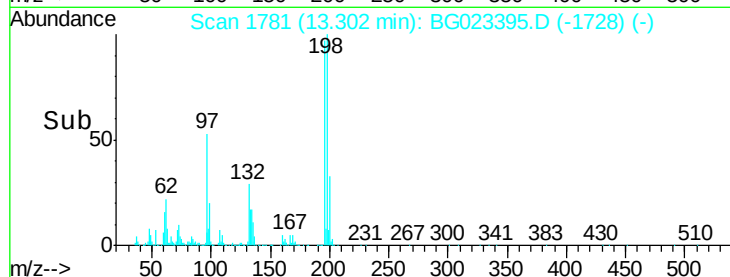
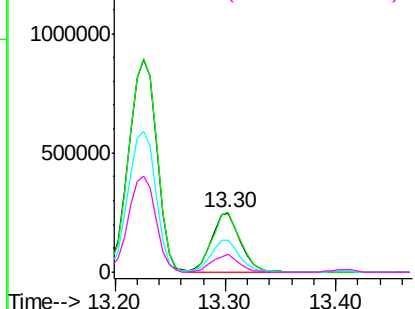
#43
2,4,5-Trichlorophenol
Concen: 42.53 ng
RT: 13.30 min Scan# 1781
Delta R.T. 0.01 min
Lab File: BG023395.D
Acq: 2 Aug 2016 10:41

Instrument :
BNA_G
ClientSampled :
9535

Tot Ion:196 Resp: 446876
Ion Ratio Lower Upper
196 100
198 102.9 85.7 128.5
97 55.0 45.5 68.3
132 29.6 18.9 28.3#

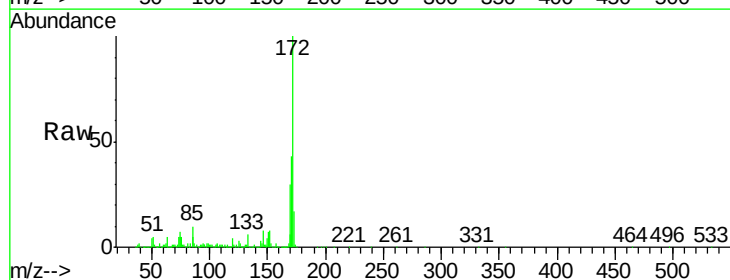


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BGC
Ion 132.00 (131.70 to 132.70): E

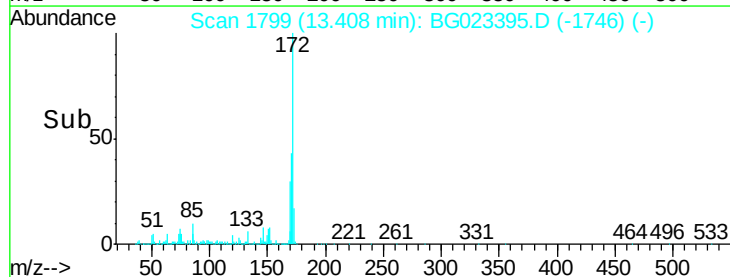
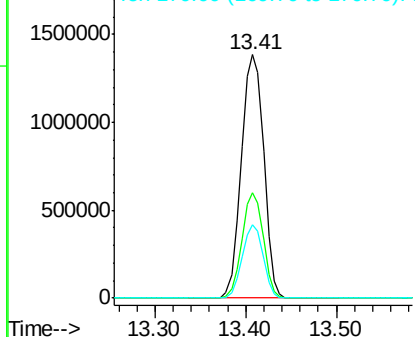


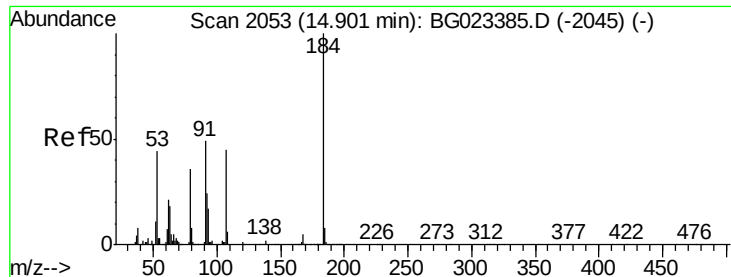
#44
2-Fluorobiphenyl
Concen: 84.72 ng
RT: 13.41 min Scan# 1799
Delta R.T. 0.01 min
Lab File: BG023395.D
Acq: 2 Aug 2016 10:41

Tgt Ion:172 Resp: 2372828
Ion Ratio Lower Upper
172 100
171 43.1 31.6 47.4
170 30.3 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

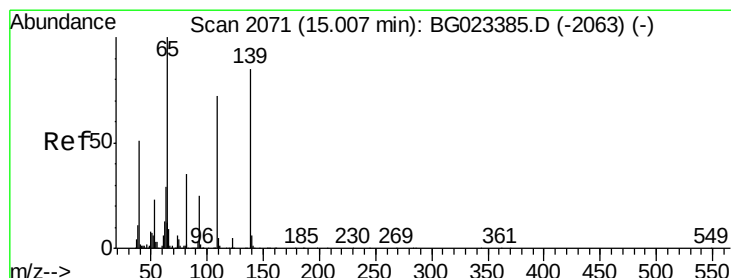
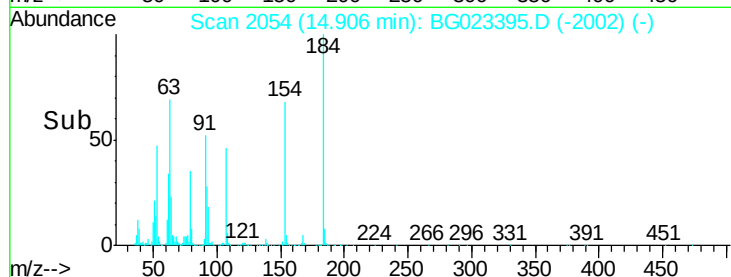
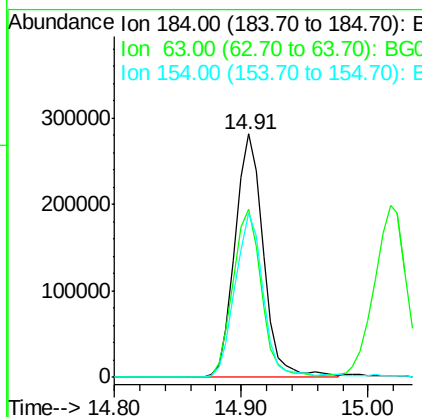
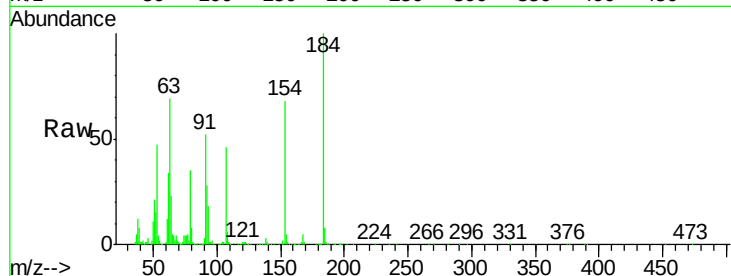




#53
2,4-Dinitrophenol
Concen: 79.24 ng
RT: 14.91 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BG023395.D
Acq: 2 Aug 2016 10:41

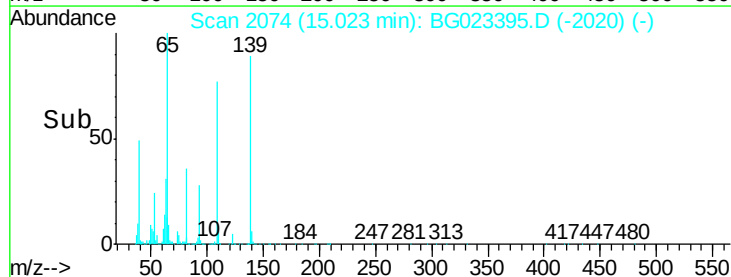
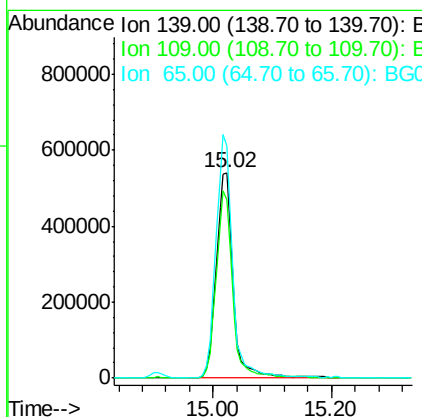
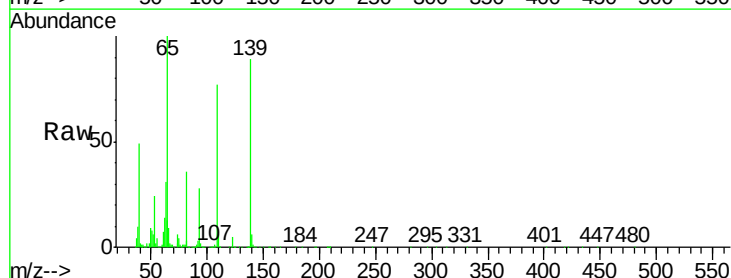
Instrument :
BNA_G
ClientSampleId :
9535

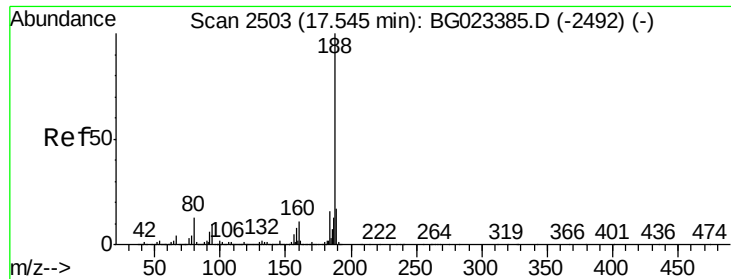
Tot Ion:184 Resp: 436003
Ion Ratio Lower Upper
184 100
63 69.0 59.6 89.4
154 67.5 67.4 101.0



#55
4-Nitrophenol
Concen: 141.49 ng
RT: 15.02 min Scan# 2074
Delta R.T. 0.02 min
Lab File: BG023395.D
Acq: 2 Aug 2016 10:41

Tgt Ion:139 Resp: 1075610
Ion Ratio Lower Upper
139 100
109 87.0 103.0 143.0#
65 112.6 112.7 152.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. 0.00 min

Lab File: BG023395.D

Acq: 2 Aug 2016 10:41

Instrument :

BNA_G

ClientSampleId :
9535

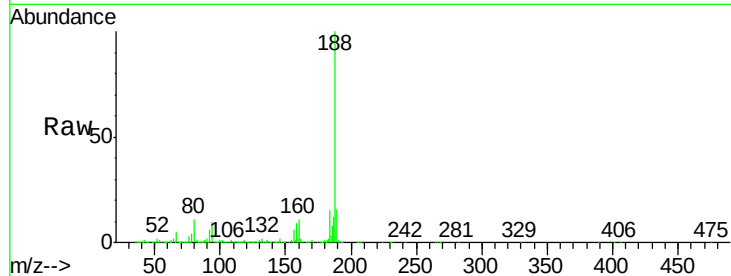
Tot Ion:188 Resp: 1141164

Ion Ratio Lower Upper

188 100

94 10.3 5.2 7.8#

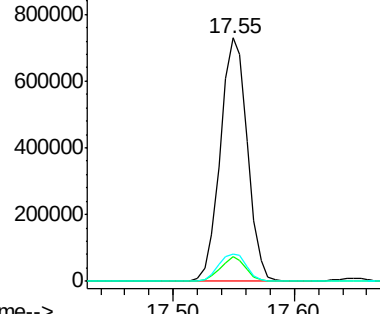
80 11.3 7.2 10.8#



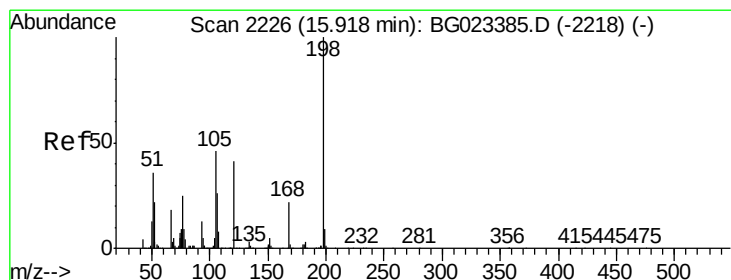
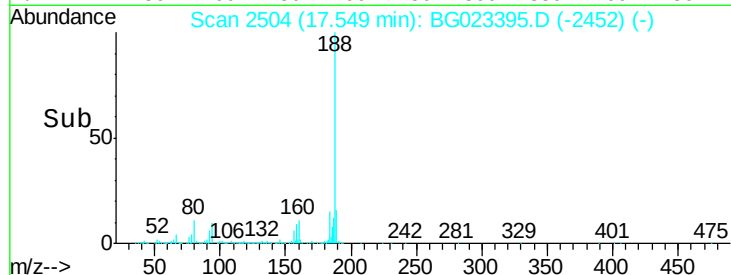
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 67.83 ng

RT: 15.92 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BG023395.D

Acq: 2 Aug 2016 10:41

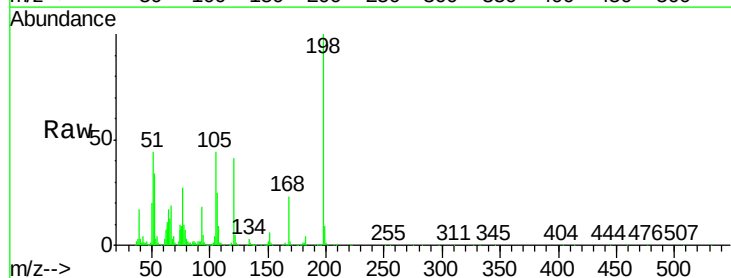
Tgt Ion:198 Resp: 526302

Ion Ratio Lower Upper

198 100

51 44.5 26.0 66.0

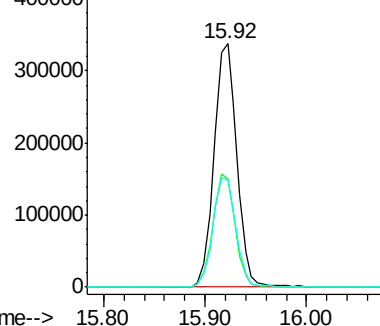
105 43.7 20.1 60.1



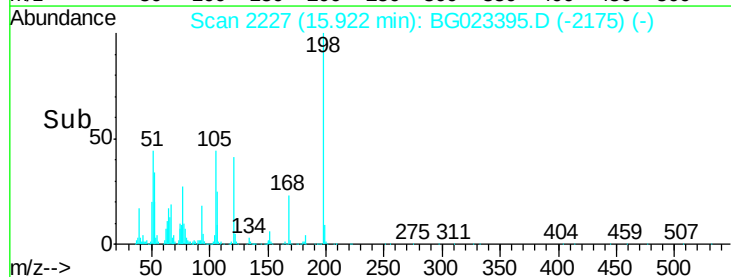
Abundance Ion 198.00 (197.70 to 198.70): E

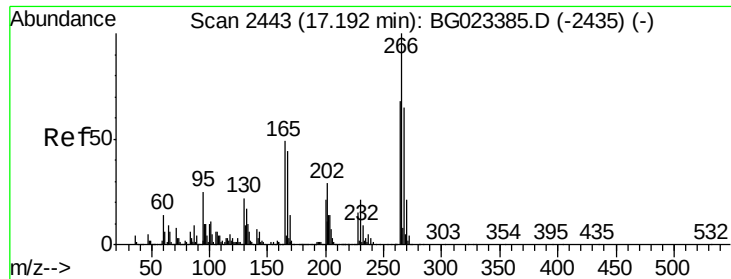
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



Time-->

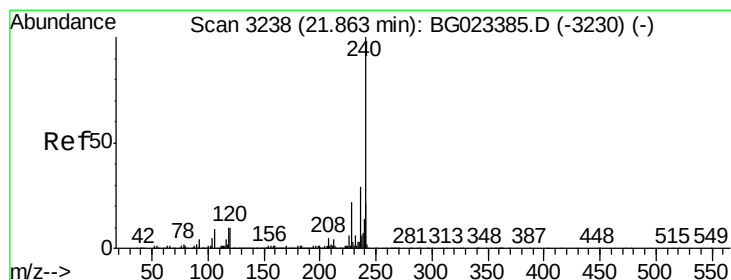
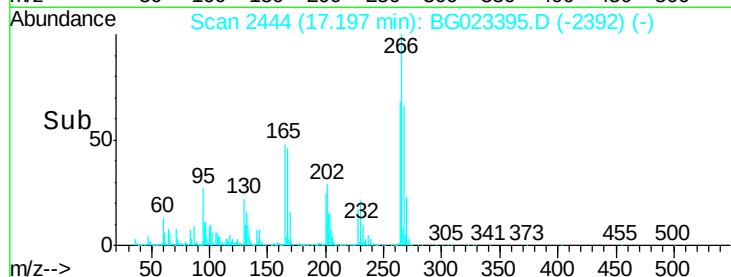
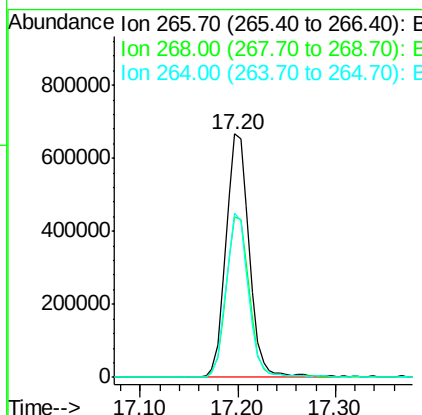
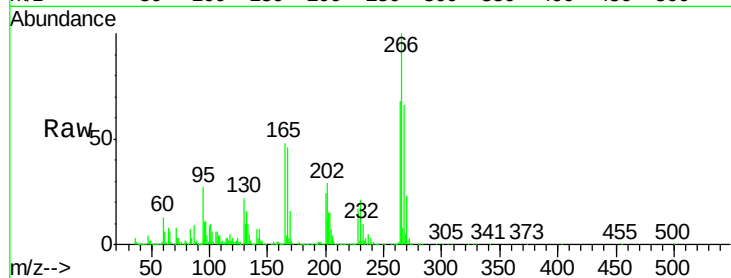




#69
 Pentachlorophenol
 Concen: 130.48 ng
 RT: 17.20 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BG023395.D
 Acq: 2 Aug 2016 10:41

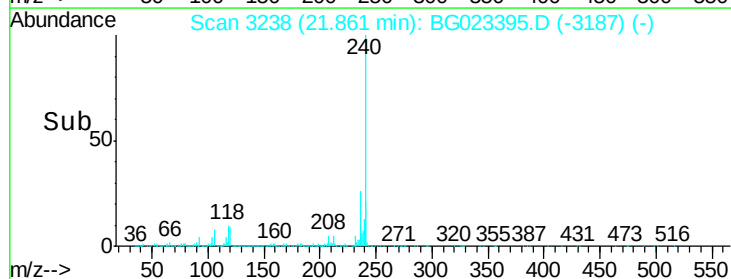
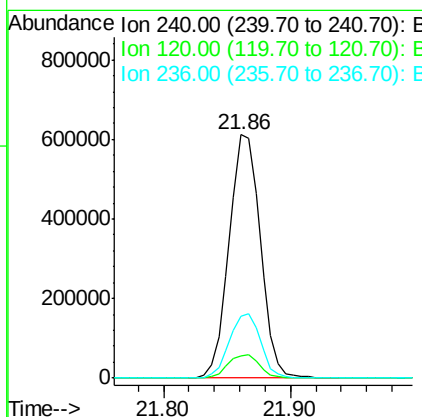
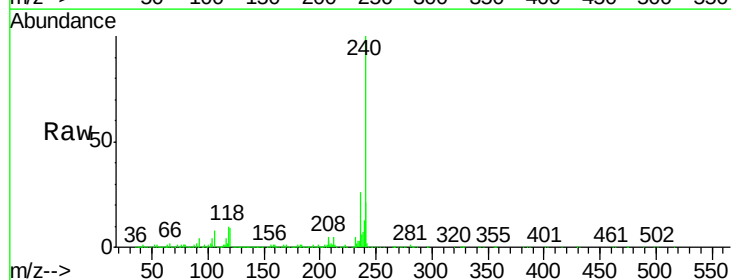
Instrument :
 BNA_G
 ClientSampleId :
 9535

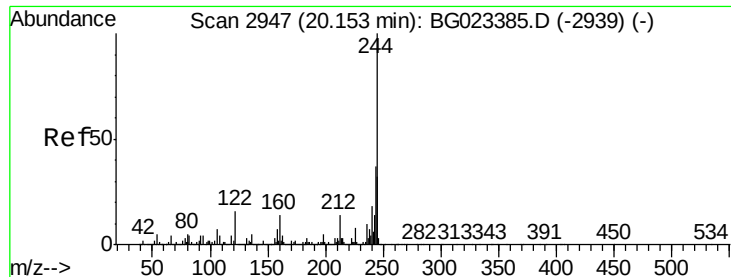
Tot Ion:266 Resp: 1106900
 Ion Ratio Lower Upper
 266 100
 268 66.0 51.9 77.9
 264 67.7 50.6 75.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.86 min Scan# 3238
 Delta R.T. -0.00 min
 Lab File: BG023395.D
 Acq: 2 Aug 2016 10:41

Tgt Ion:240 Resp: 1044367
 Ion Ratio Lower Upper
 240 100
 120 9.2 4.1 6.1#
 236 25.6 21.1 31.7





#78

Terphenyl-d14

Concen: 98.91 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG023395.D

Acq: 2 Aug 2016 10:41

Instrument :

BNA_G

ClientSampleId :

9535

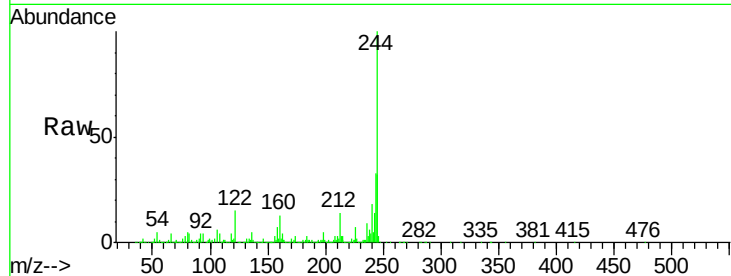
Tot Ion:244 Resp: 3196276

Ion Ratio Lower Upper

244 100

212 13.7 10.8 16.2

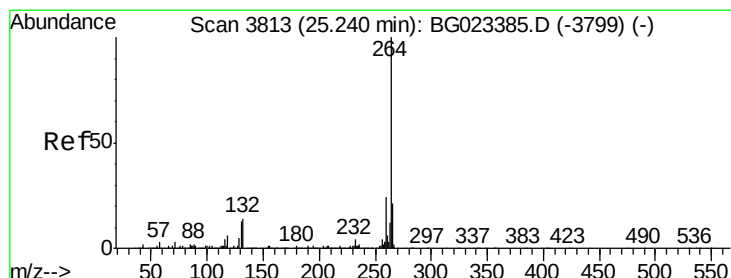
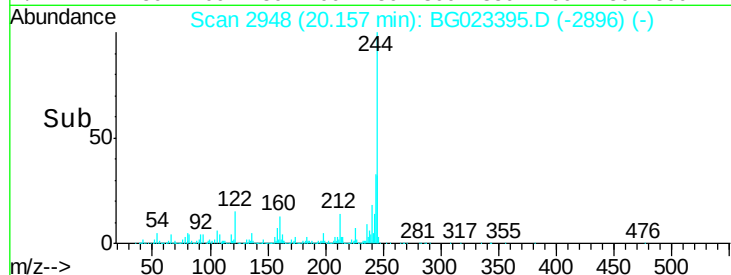
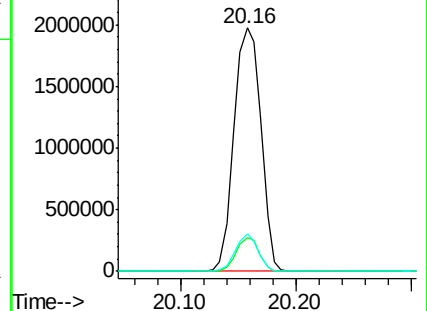
122 15.5 8.0 12.0#



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: 25.25 min Scan# 3815

Delta R.T. 0.01 min

Lab File: BG023395.D

Acq: 2 Aug 2016 10:41

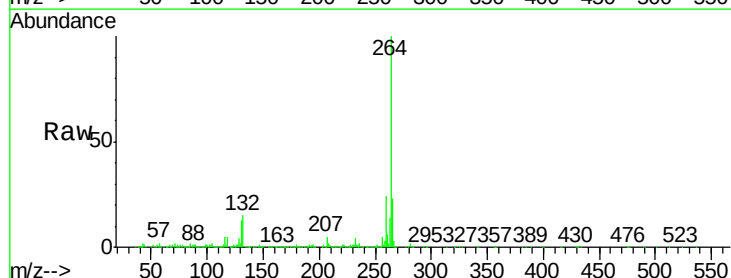
Tgt Ion:264 Resp: 1049858

Ion Ratio Lower Upper

264 100

260 24.5 18.4 27.6

265 23.3 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

