

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021419\
 Data File : BG039517.D
 Acq On : 14 Feb 2019 21:56
 Operator : JU/SJ
 Sample : K1350-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-021319-C

Quant Time: Feb 15 03:12:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	46446	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	209351	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	150364	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	373704	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	396859	20.00	ng	-0.02
87) Perylene-d12	25.21	264	390647	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	409023	150.72	ng	0.00
7) Phenol-d6	7.32	99	568171	142.24	ng	0.00
23) Nitrobenzene-d5	9.35	82	394705	117.78	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	244614	151.07	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	979011	93.40	ng	-0.02
79) Terphenyl-d14	20.13	244	1630397	86.96	ng	-0.02

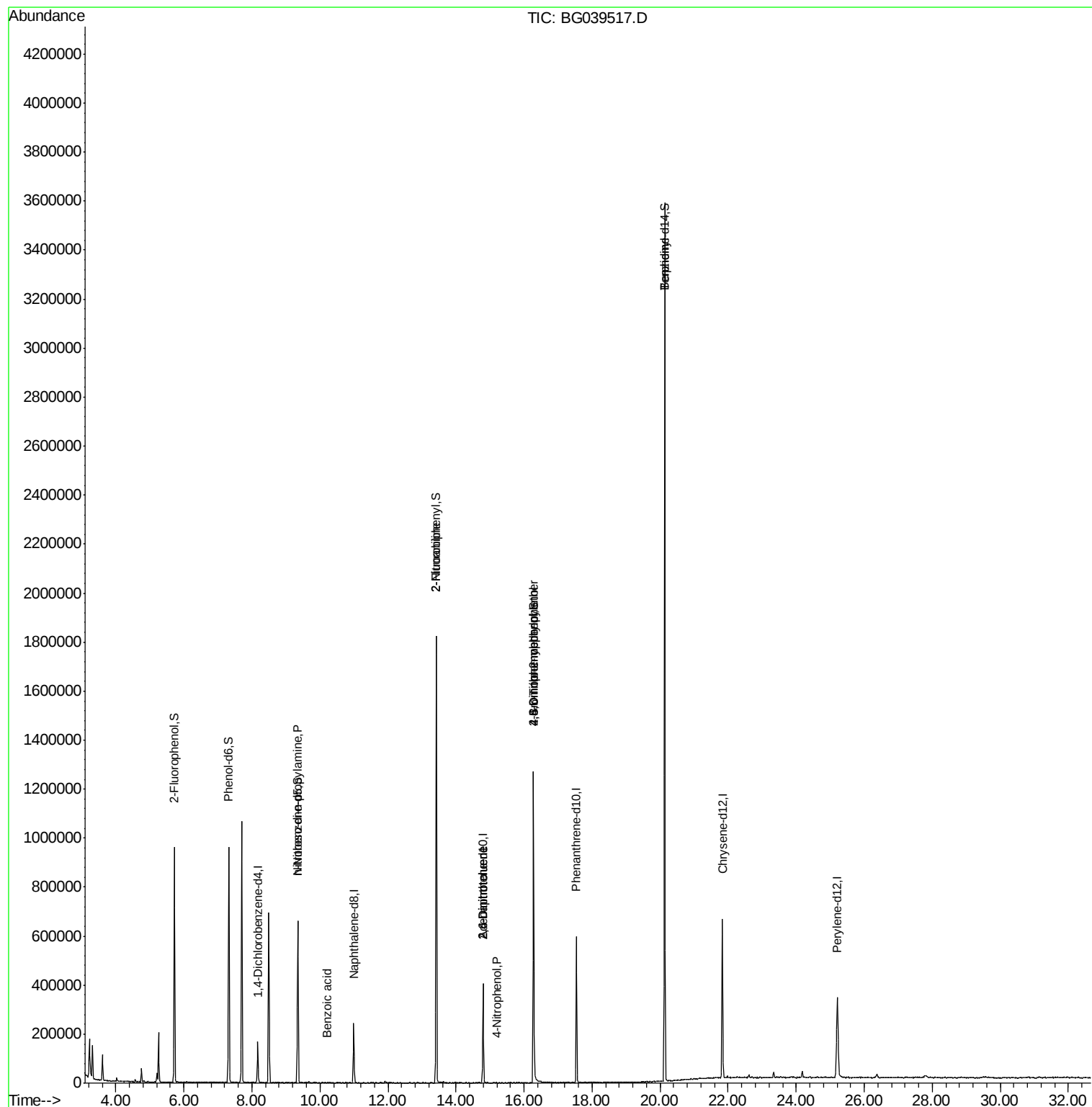
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.33	77	918	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	51958	18.326	ng	# 69
32) Benzoic acid	10.22	122	134	9.076	ng	# 1
48) 2-Nitroaniline	13.42	65	1577	8.779	ng	# 17
51) 2,6-Dinitrotoluene	14.79	165	19599	14.014	ng	# 24
56) 4-Nitrophenol	15.19	139	183	5.871	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19599	13.468	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	888	4.937	ng	# 57
67) 4-Bromophenyl-phenylether	16.28	248	18570	4.479	ng	# 1
77) Benzidine	20.13	184	30212	2.322	ng	# 94

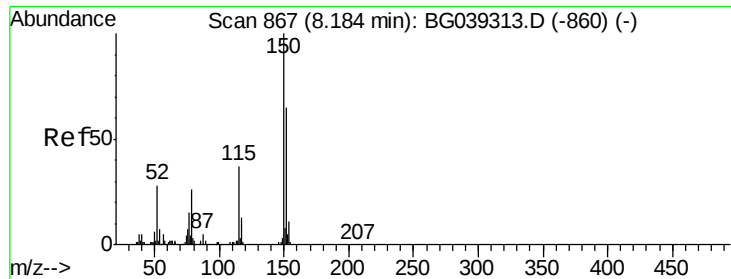
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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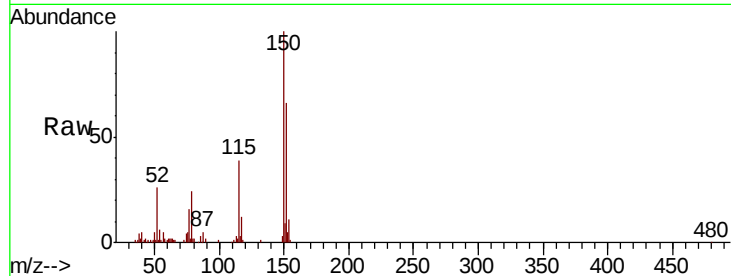


#1

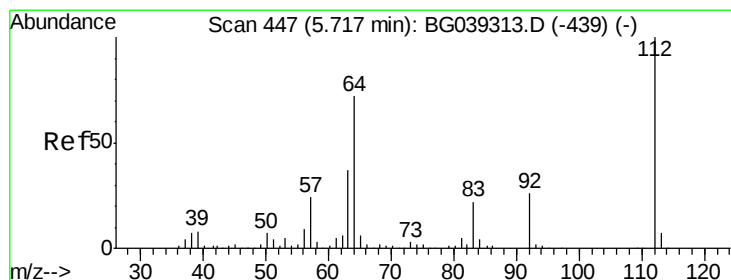
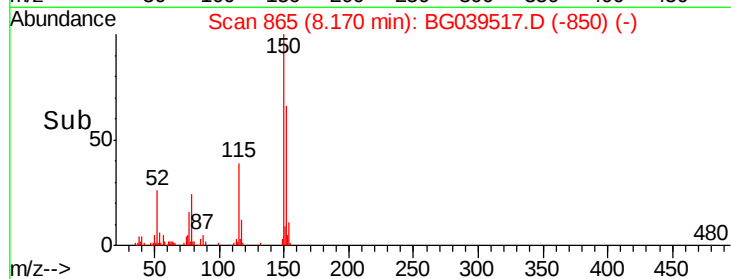
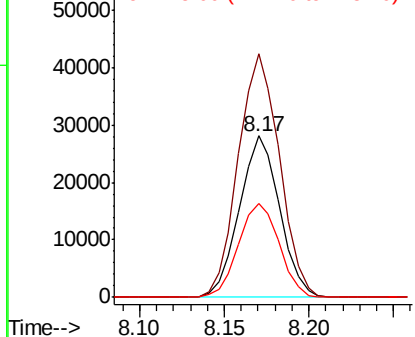
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039517.D
Acq: 14 Feb 2019 21:56

Instrument :
BNA_G
ClientSampleId :
EO-02-021319-C

Tgt Ion:152 Resp: 46446
Ion Ratio Lower Upper
152 100
150 151.0 123.7 185.5
115 58.2 45.9 68.9



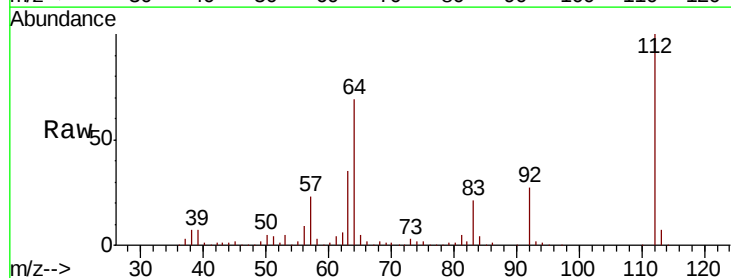
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



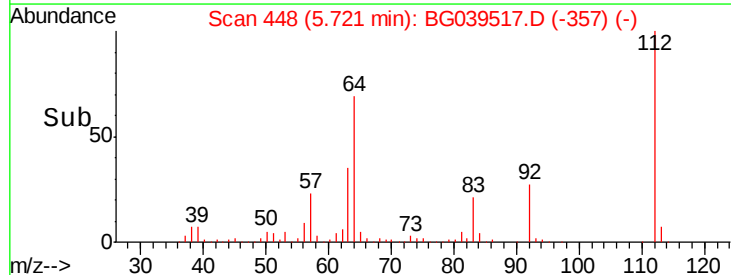
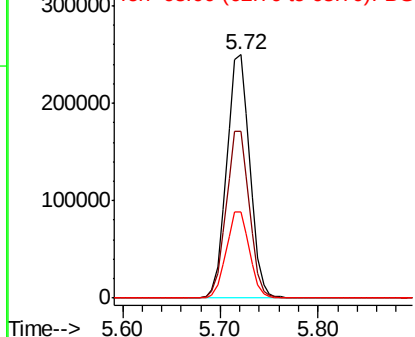
#5

2-Fluorophenol
Concen: 150.723 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.00 min
Lab File: BG039517.D
Acq: 14 Feb 2019 21:56

Tgt Ion:112 Resp: 409023
Ion Ratio Lower Upper
112 100
64 68.5 57.8 86.8
63 35.1 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 142.236 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039517.D

Acq: 14 Feb 2019 21:56

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-C

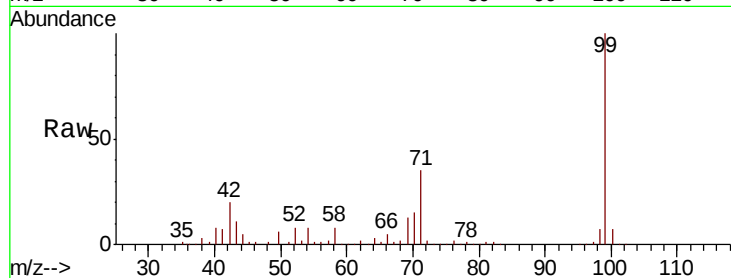
Tgt Ion: 99 Resp: 568171

Ion Ratio Lower Upper

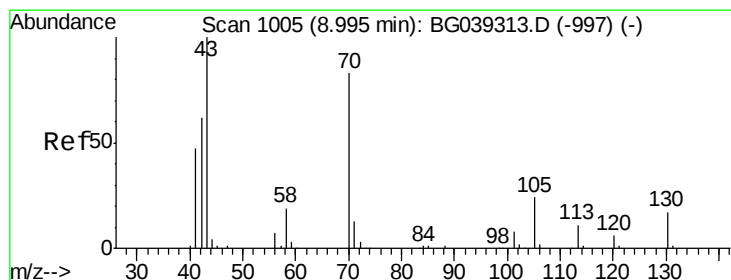
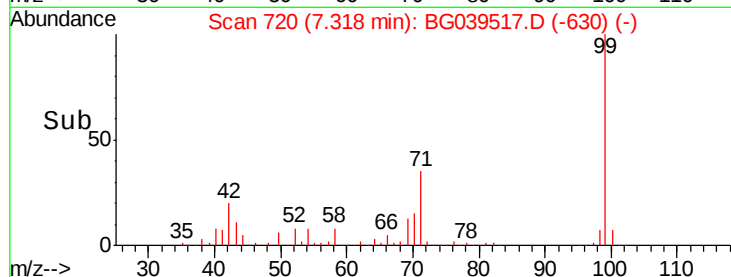
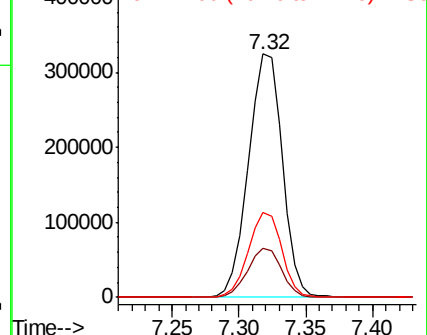
99 100

42 20.2 18.2 27.2

71 34.8 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 18.326 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039517.D

Acq: 14 Feb 2019 21:56

Tgt Ion: 70 Resp: 51958

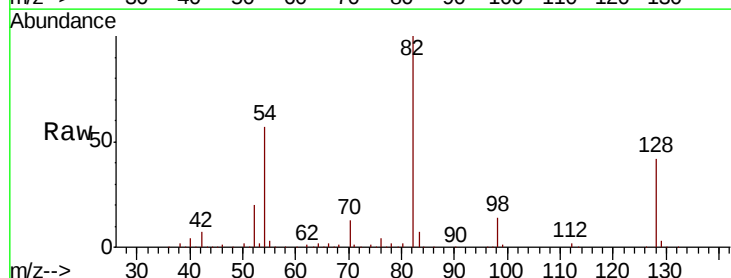
Ion Ratio Lower Upper

70 100

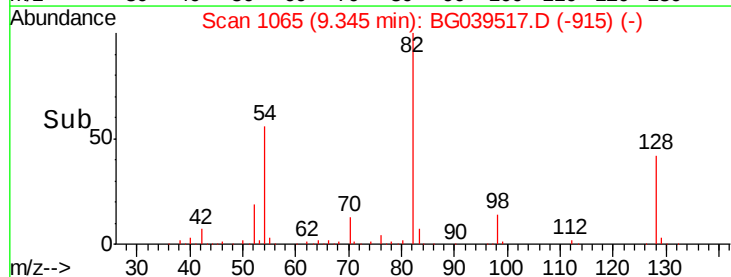
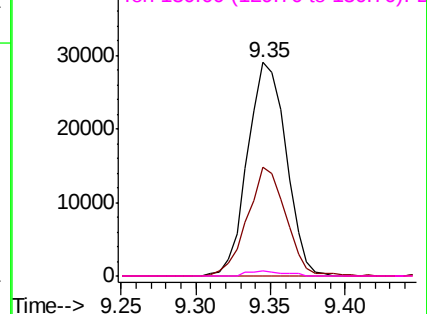
42 50.9 60.4 90.6#

101 0.0 7.5 11.3#

130 2.7 16.9 25.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

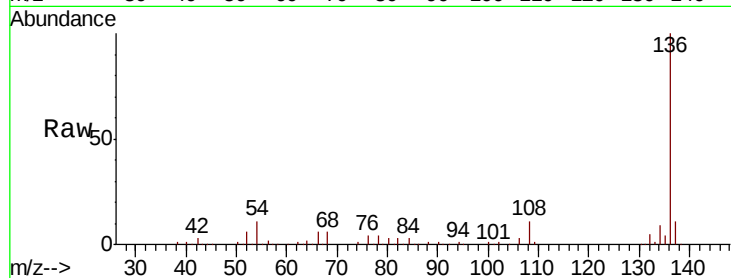




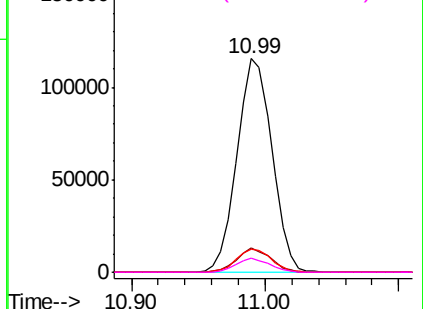
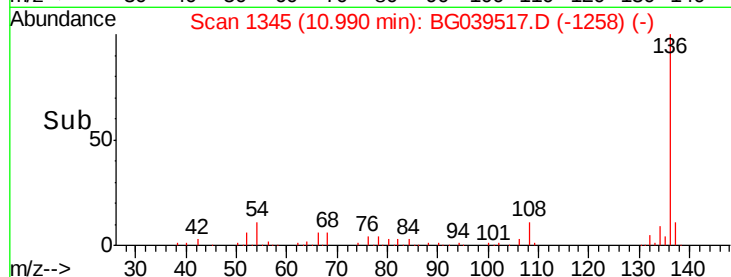
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039517.D
Acq: 14 Feb 2019 21:56

Instrument :
BNA_G
ClientSampleId :
EO-02-021319-C

Tgt Ion:	136	Resp:	209351
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	10.6	9.4	14.2
68	6.4	4.2	6.4

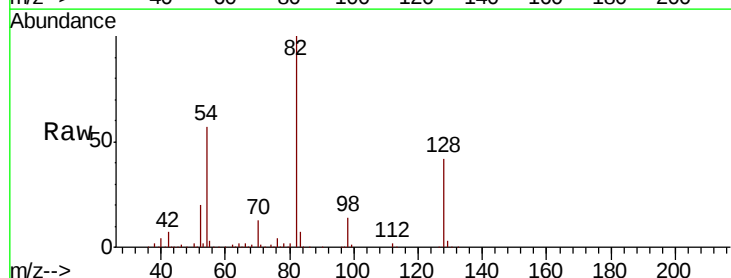


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

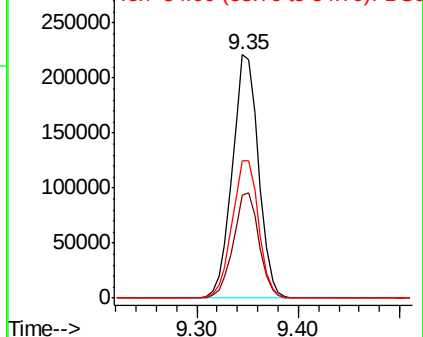
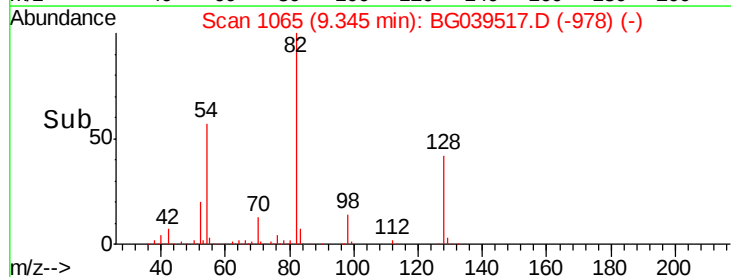


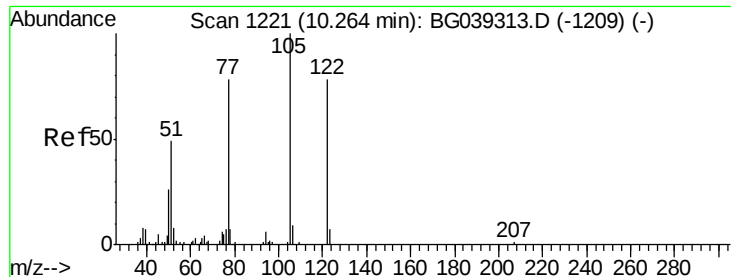
#23
Nitrobenzene-d5
Concen: 117.782 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039517.D
Acq: 14 Feb 2019 21:56

Tgt Ion:	82	Resp:	394705
Ion	Ratio	Lower	Upper
82	100		
128	42.0	31.3	46.9
54	56.7	50.9	76.3



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

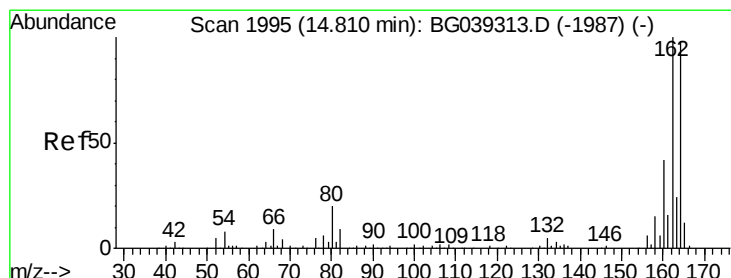
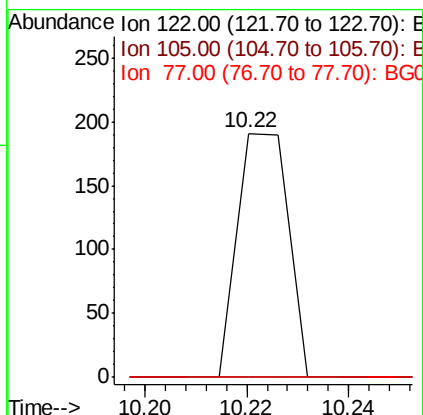
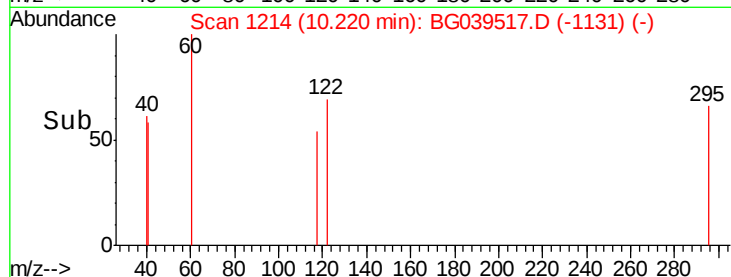
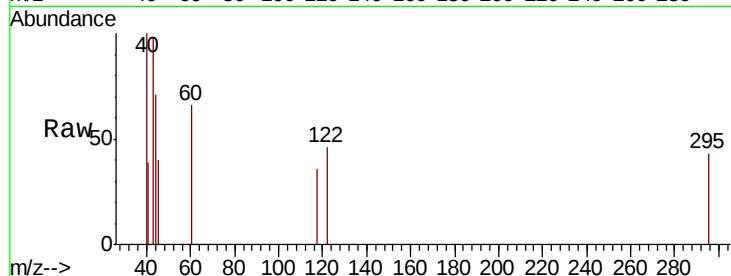




#32
Benzoic acid
Concen: 9.076 ng
RT: 10.22 min Scan# 1214
Delta R.T. -0.04 min
Lab File: BG039517.D
Acq: 14 Feb 2019 21:56

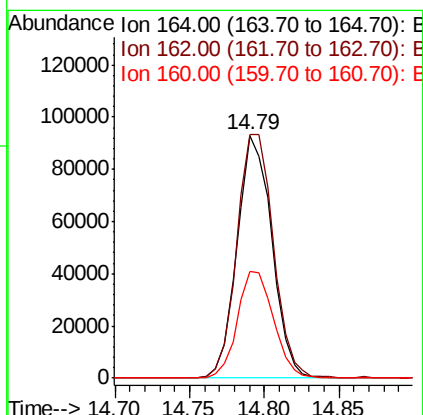
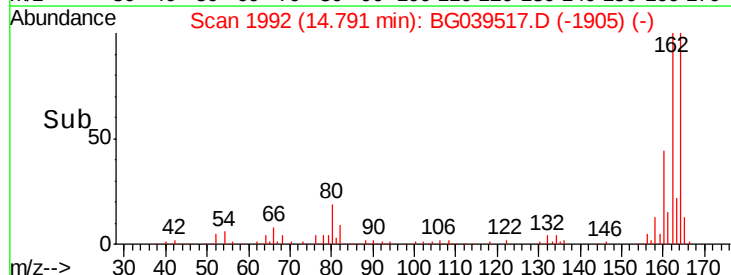
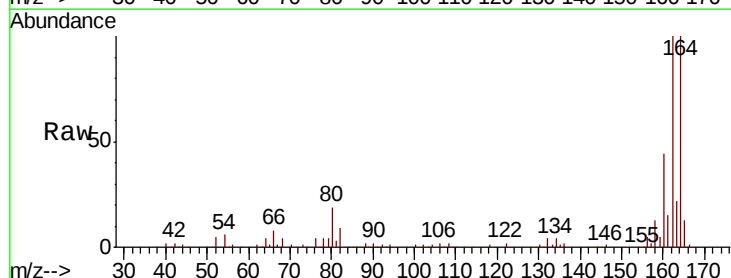
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EO-02-021319-C

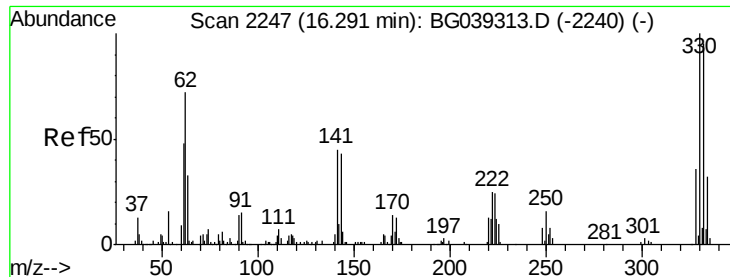
Tgt Ion:122 Resp: 134
Ion Ratio Lower Upper
122 100
105 0.0 101.8 141.8#
77 0.0 76.3 116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039517.D
Acq: 14 Feb 2019 21:56

Tgt Ion:164 Resp: 150364
Ion Ratio Lower Upper
164 100
162 100.1 81.6 122.4
160 43.7 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 151.074 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039517.D

Acq: 14 Feb 2019 21:56

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-C

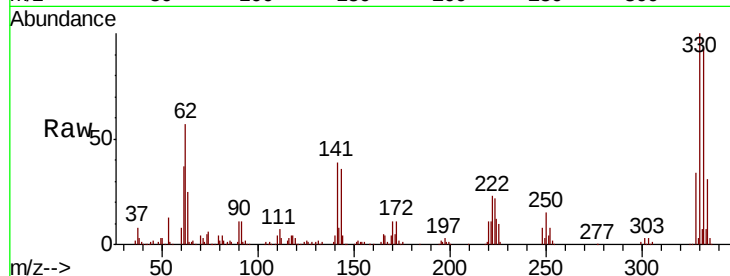
Tgt Ion:330 Resp: 244614

Ion Ratio Lower Upper

330 100

332 94.6 75.7 113.5

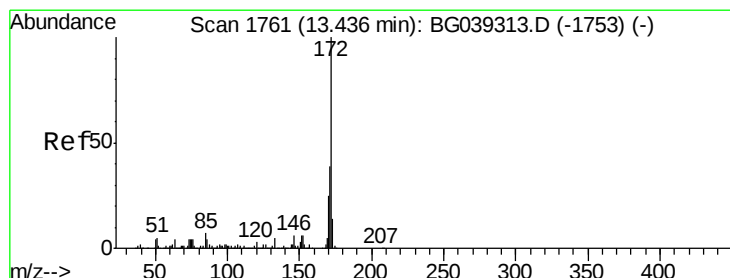
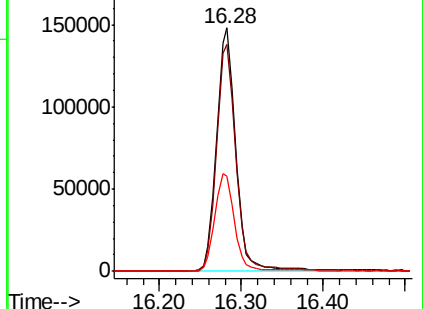
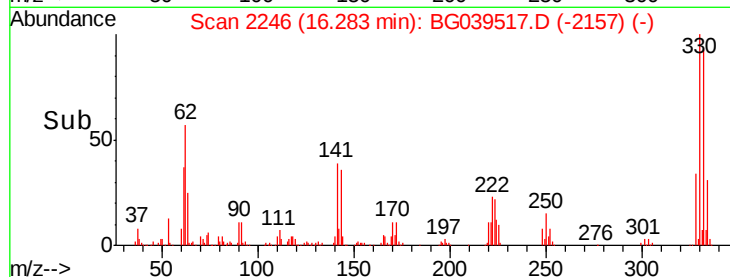
141 41.1 35.6 53.4



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



#45

2-Fluorobiphenyl

Concen: 93.403 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039517.D

Acq: 14 Feb 2019 21:56

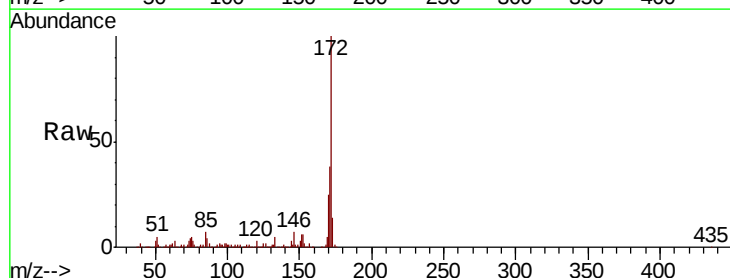
Tgt Ion:172 Resp: 979011

Ion Ratio Lower Upper

172 100

171 38.2 30.8 46.2

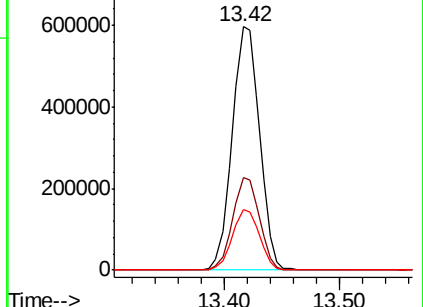
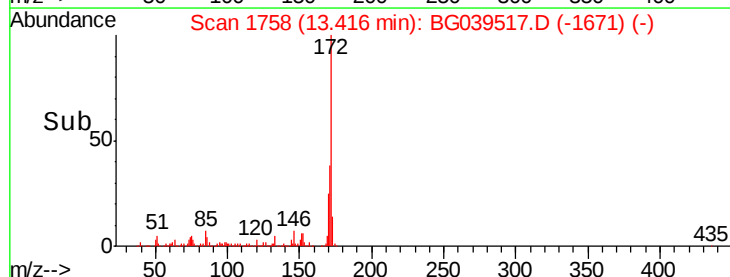
170 24.7 20.2 30.4

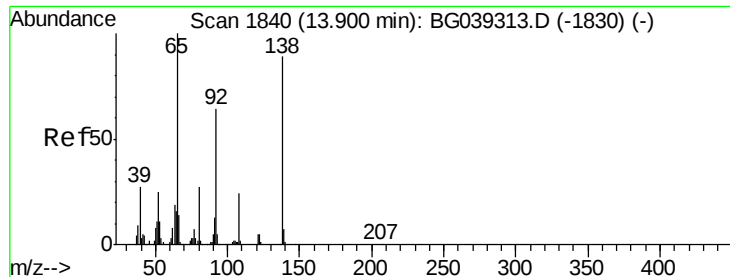


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

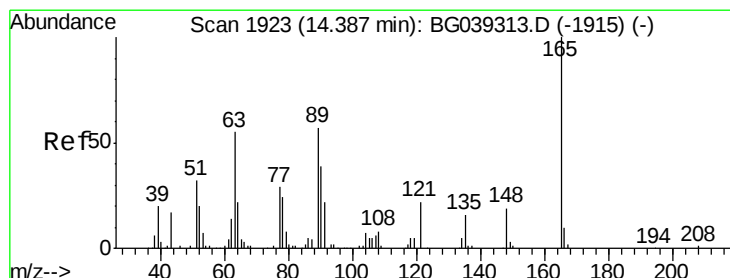
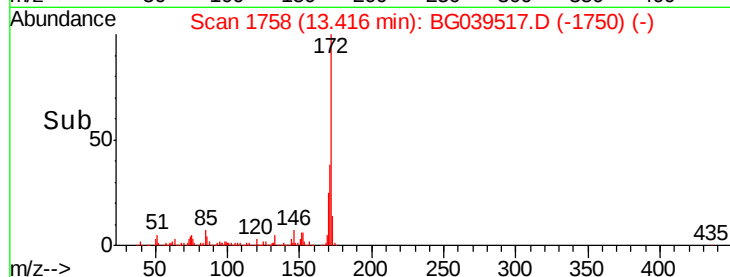
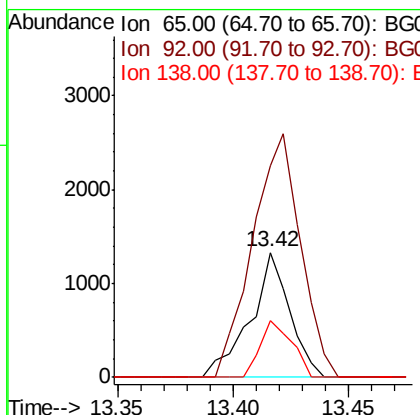
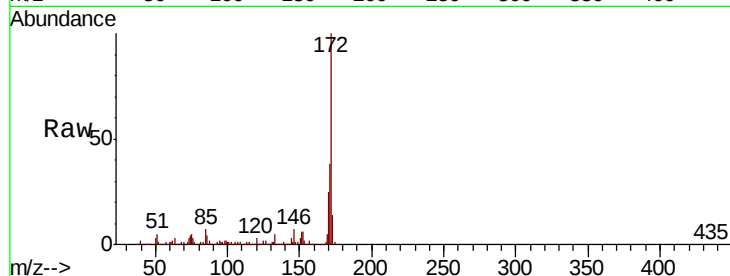




#48
2-Nitroaniline
Concen: 8.779 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039517.D
Acq: 14 Feb 2019 21:56

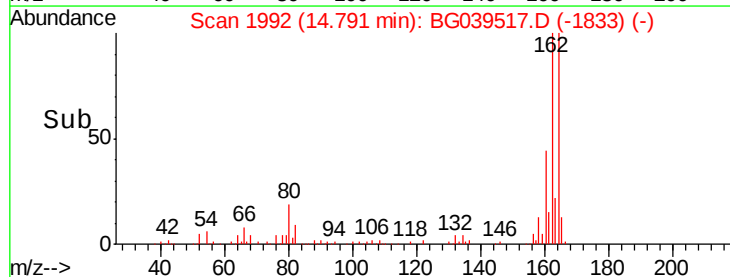
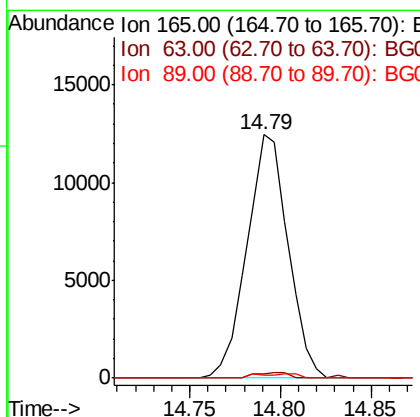
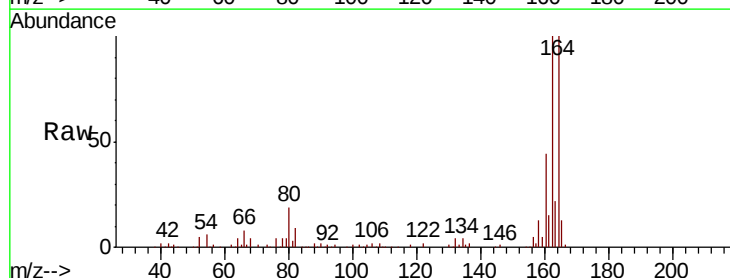
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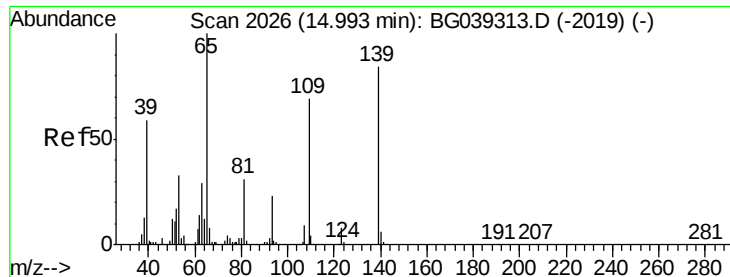
Tgt Ion: 65 Resp: 1577
Ion Ratio Lower Upper
65 100
92 169.5 51.4 77.2#
138 45.9 71.4 107.2#



#51
2,6-Dinitrotoluene
Concen: 14.014 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.40 min
Lab File: BG039517.D
Acq: 14 Feb 2019 21:56

Tgt Ion: 165 Resp: 19599
Ion Ratio Lower Upper
165 100
63 2.0 47.0 70.6#
89 1.2 45.8 68.8#

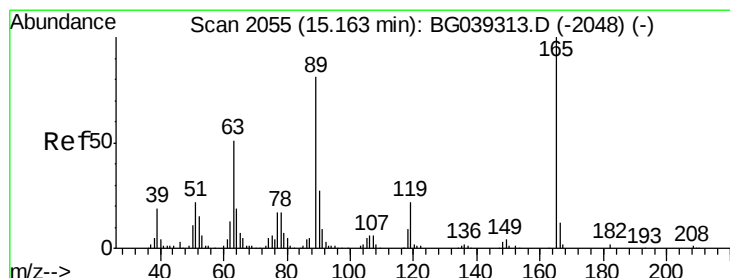
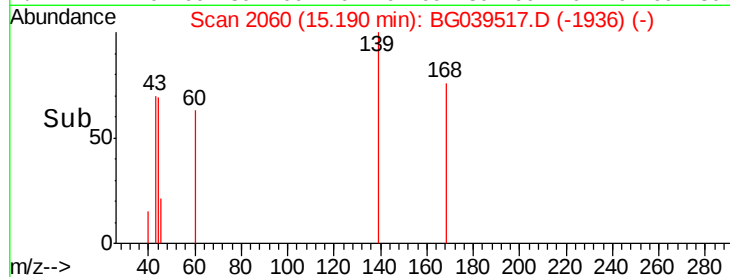
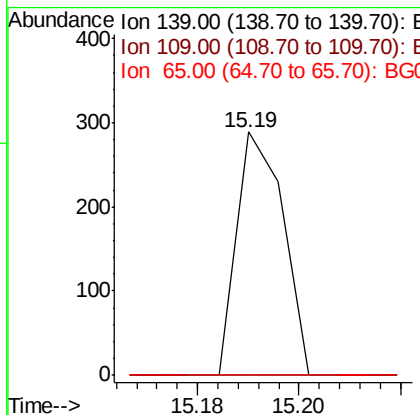
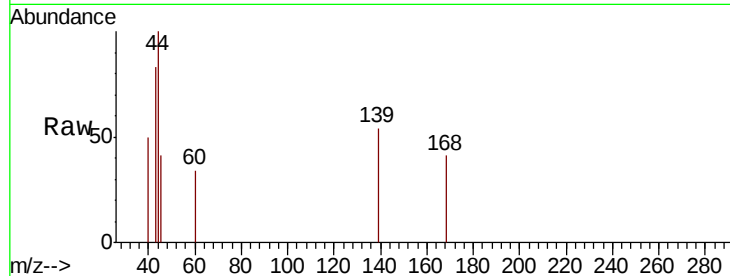




#56
4-Nitrophenol
Concen: 5.871 ng
RT: 15.19 min Scan# 2060
Delta R.T. 0.20 min
Lab File: BG039517.D
Acq: 14 Feb 2019 21:56

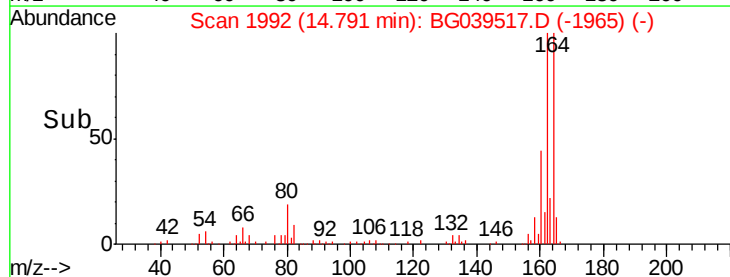
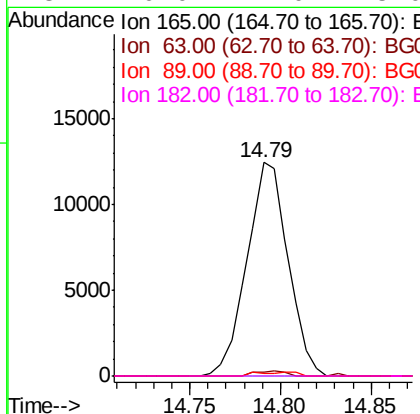
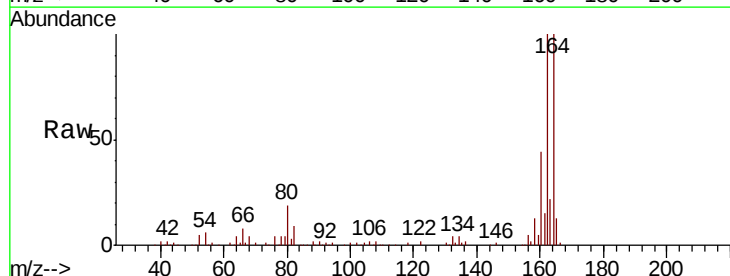
Instrument :
BNA_G
ClientSampleId :
EO-02-021319-C

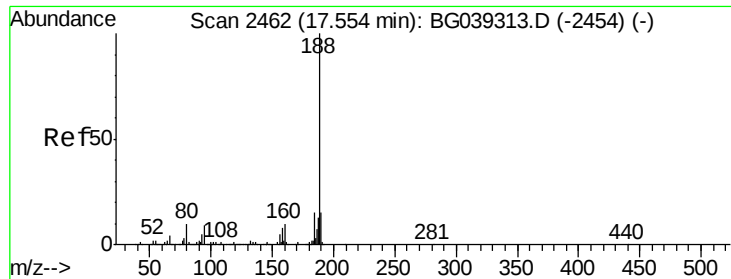
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57
2,4-Dinitrotoluene
Concen: 13.468 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039517.D
Acq: 14 Feb 2019 21:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	41.0	61.6#
89	1.2	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039517.D

Acq: 14 Feb 2019 21:56

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-C

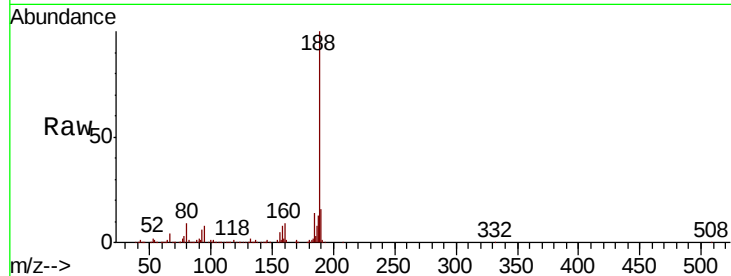
Tgt Ion:188 Resp: 373704

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

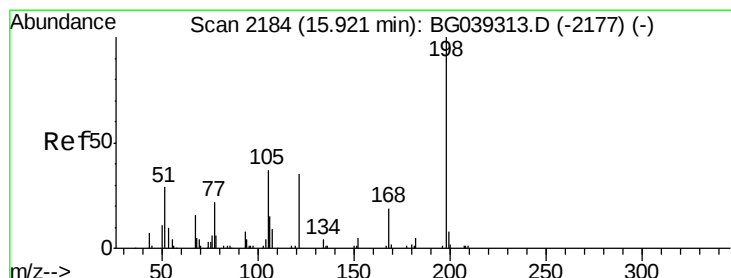
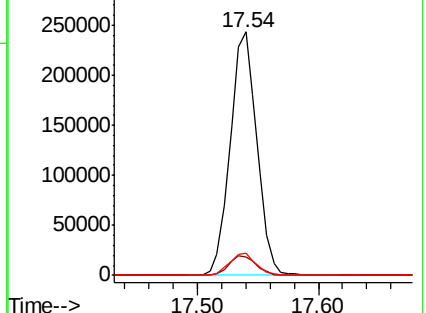
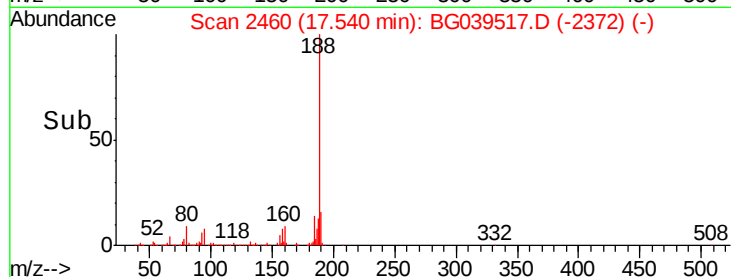
80 9.0 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.937 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039517.D

Acq: 14 Feb 2019 21:56

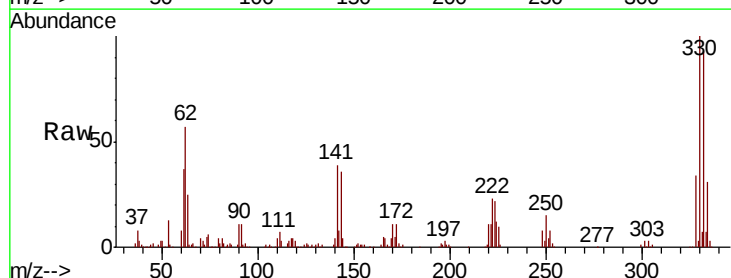
Tgt Ion:198 Resp: 888

Ion Ratio Lower Upper

198 100

51 78.9 27.4 67.4#

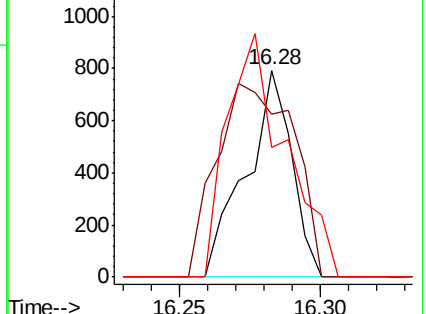
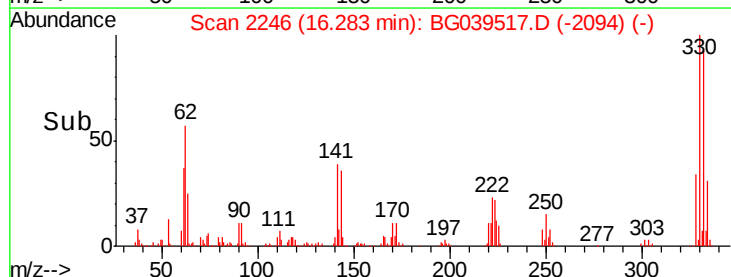
105 62.7 19.7 59.7#

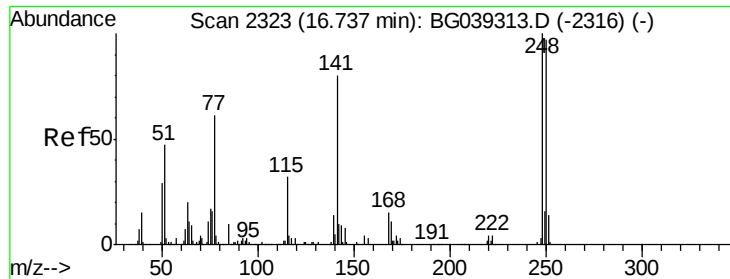


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

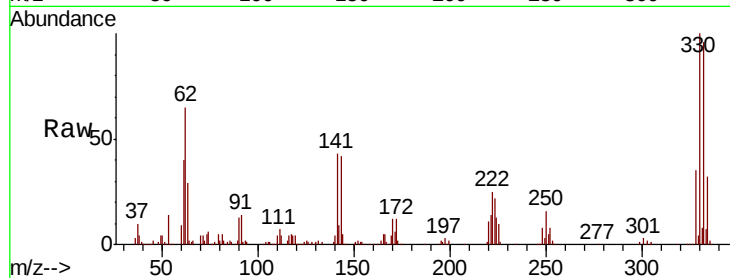




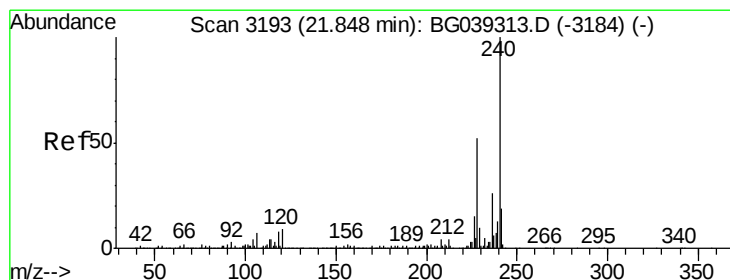
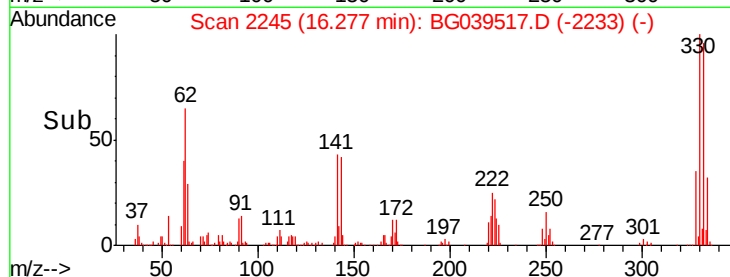
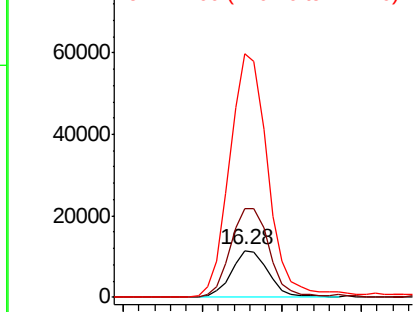
#67
 4-Bromophenyl-phenylether
 Concen: 4.479 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039517.D
 Acq: 14 Feb 2019 21:56

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-021319-C

Tgt Ion:248 Resp: 18570
 Ion Ratio Lower Upper
 248 100
 250 190.3 77.6 116.4#
 141 518.5 63.9 95.9#

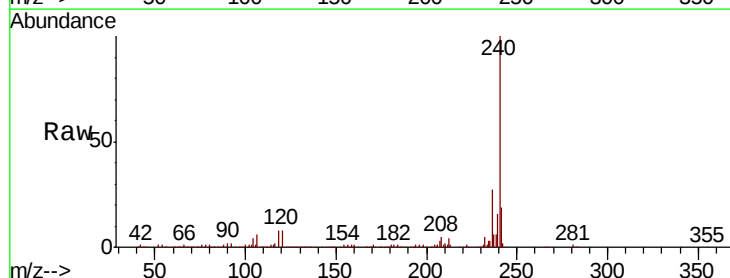


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

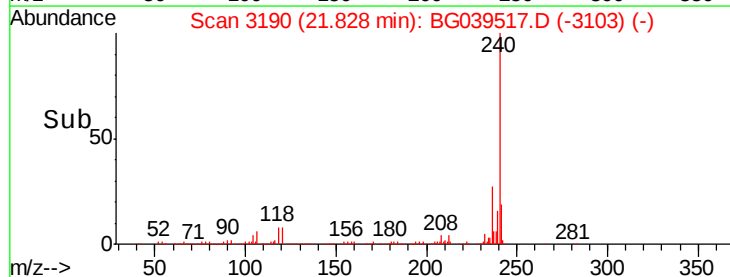
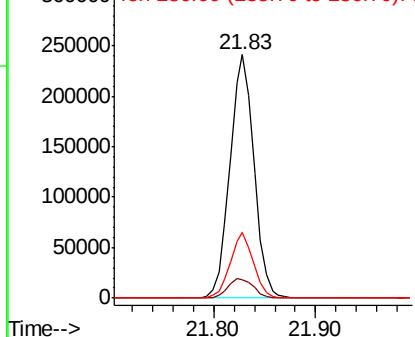


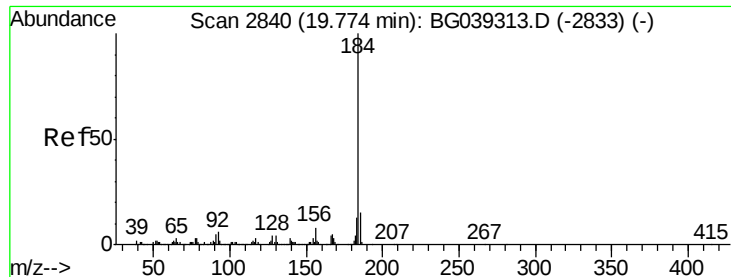
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039517.D
 Acq: 14 Feb 2019 21:56

Tgt Ion:240 Resp: 396859
 Ion Ratio Lower Upper
 240 100
 120 7.7 7.0 10.6
 236 26.9 21.0 31.4



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





#77

Benzidine

Concen: 2.322 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039517.D

Acq: 14 Feb 2019 21:56

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-C

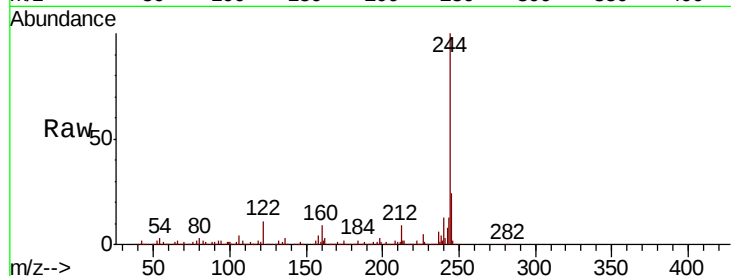
Tgt Ion:184 Resp: 30212

Ion Ratio Lower Upper

184 100

185 16.5 12.2 18.2

183 9.5 10.6 15.8#

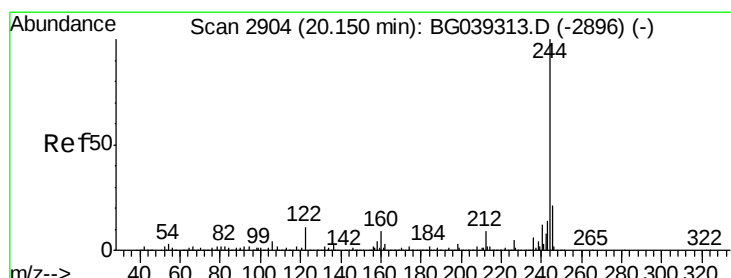
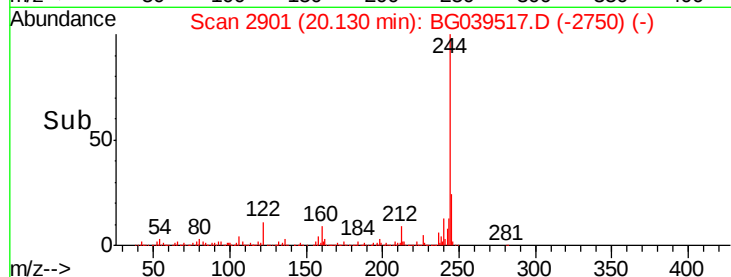
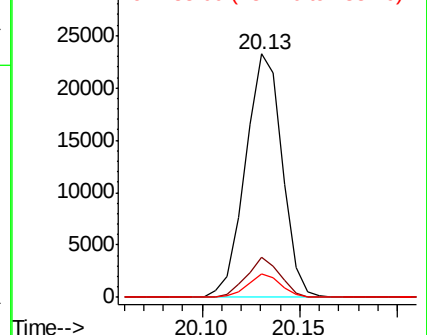


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 86.959 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039517.D

Acq: 14 Feb 2019 21:56

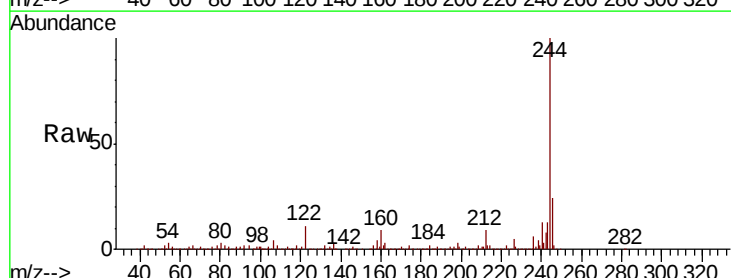
Tgt Ion:244 Resp: 1630397

Ion Ratio Lower Upper

244 100

212 9.5 7.3 10.9

122 10.6 8.4 12.6

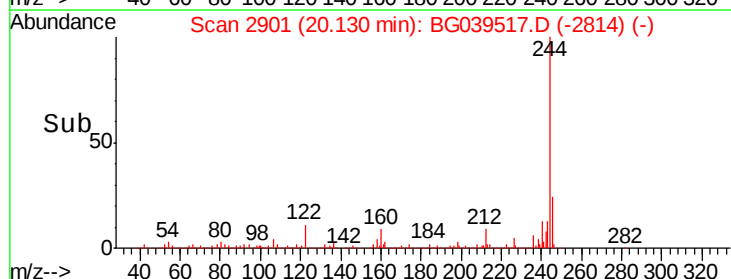
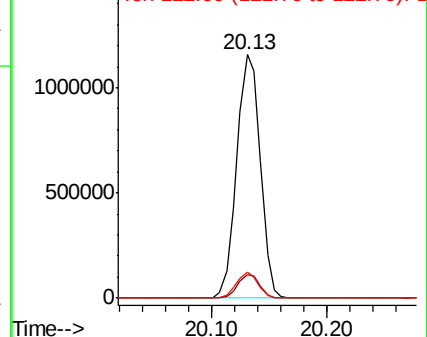


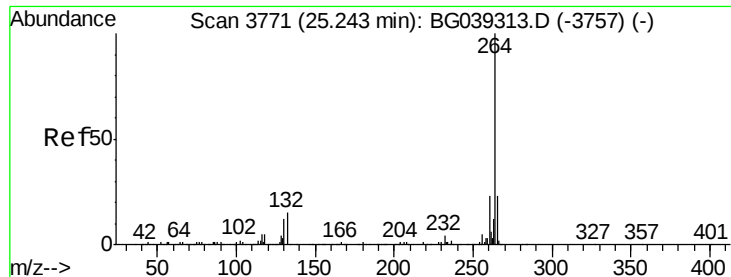
Abundance

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





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039517.D

Acq: 14 Feb 2019 21:56

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-C

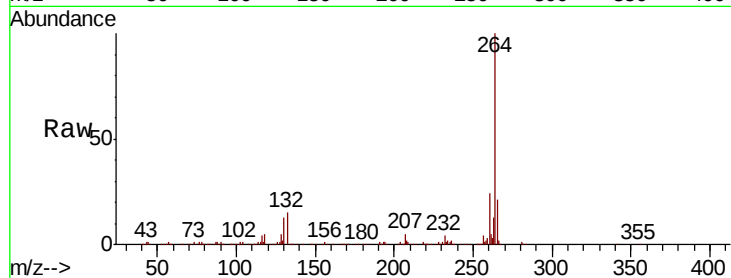
Tgt Ion: 264 Resp: 390647

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

265 20.7 18.5 27.7



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

