

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032719\
 Data File : BG040185.D
 Acq On : 27 Mar 2019 23:45
 Operator : JU/SJ
 Sample : K1560-01
 Misc : LOD 16PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 28 06:58:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	53891	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	224406	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	138510	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	323281	20.00	ng	0.00
76) Chrysene-d12	21.73	240	320596	20.00	ng	0.00
87) Perylene-d12	25.02	264	333039	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	420480	129.71	ng	0.00
7) Phenol-d6	7.22	99	579896	129.44	ng	0.00
23) Nitrobenzene-d5	9.25	82	366561	86.82	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	205599	137.35	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	817286	87.43	ng	0.00
79) Terphenyl-d14	20.04	244	1218997	85.54	ng	0.00

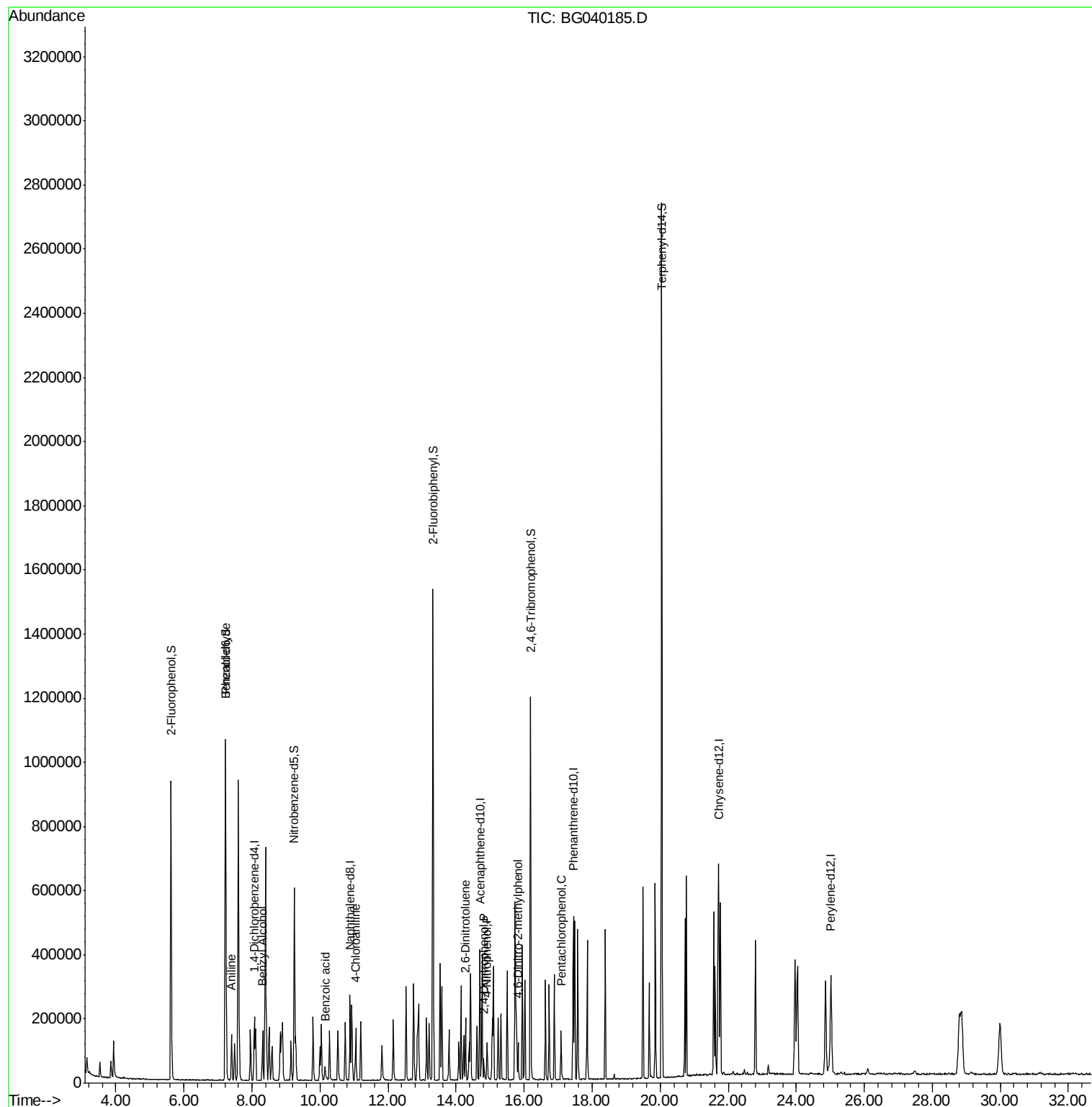
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	7.40	93	91601	15.737	ng	99
9) Benzaldehyde	7.21	77	53166	17.300	ng	97
15) Benzyl Alcohol	8.31	79	56574	15.680	ng	95
32) Benzoic acid	10.15	122	21404	10.766	ng	89
33) 4-Chloroaniline	11.05	127	84775	17.278	ng	99
51) 2,6-Dinitrotoluene	14.28	165	41131	16.898	ng	98
54) 2,4-Dinitrophenol	14.82	184	16923	13.073	ng	# 87
56) 4-Nitrophenol	14.91	139	33374	16.049	ng	97
65) 4,6-Dinitro-2-methylphenol	15.83	198	26490	14.585	ng	97
70) Pentachlorophenol	17.09	266	30691	14.513	ng	98

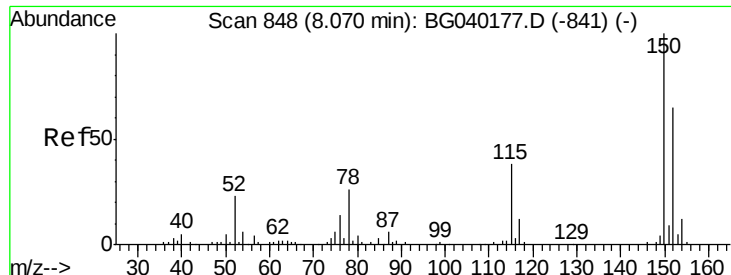
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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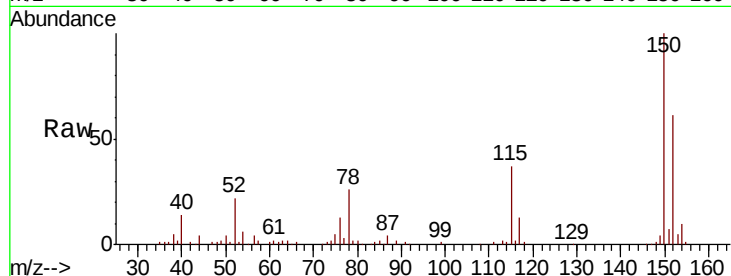


#1

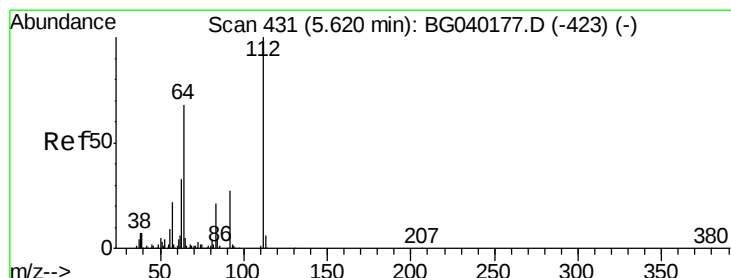
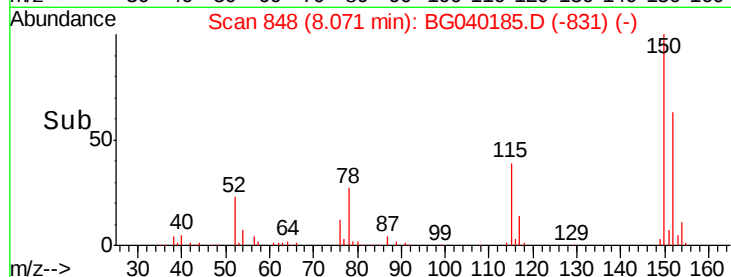
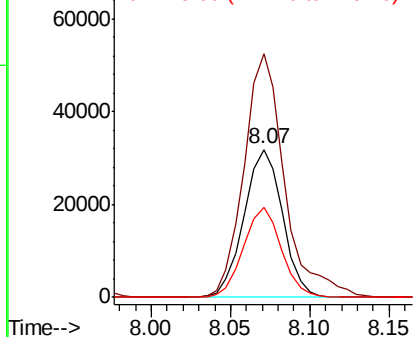
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tot Ion:152 Resp: 53891
Ion Ratio Lower Upper
152 100
150 164.5 123.7 185.5
115 61.1 46.9 70.3



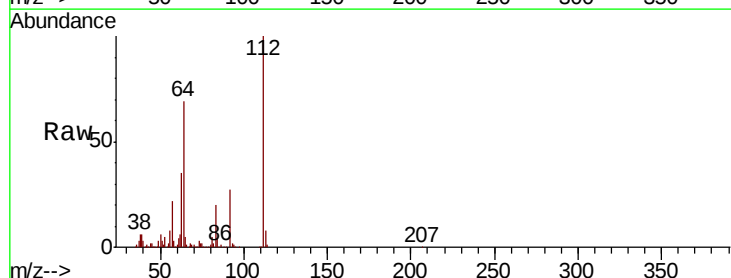
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



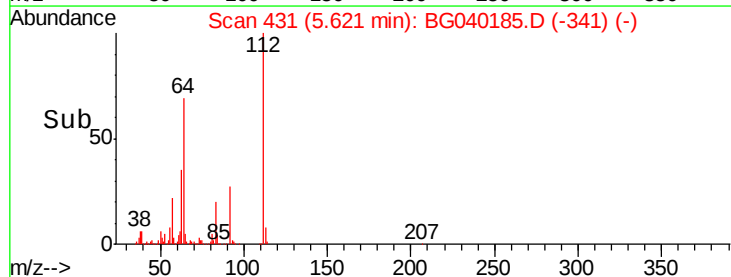
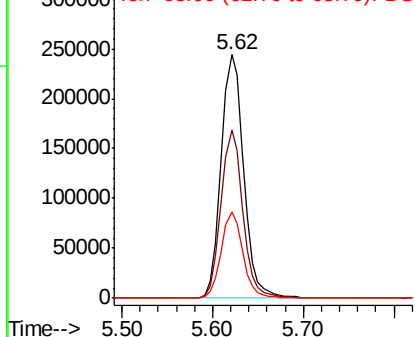
#5

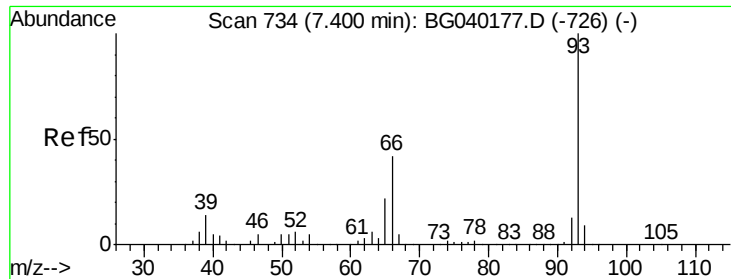
2-Fluorophenol
Concen: 129.708 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:112 Resp: 420480
Ion Ratio Lower Upper
112 100
64 69.0 54.2 81.2
63 35.3 26.4 39.6



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





#6

Aniline

Concen: 15.737 ng

RT: 7.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

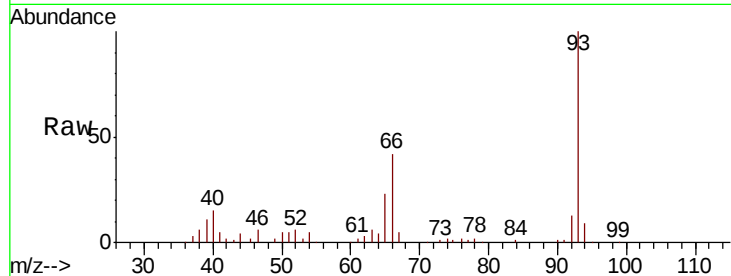
Tot Ion: 93 Resp: 91601

Ion Ratio Lower Upper

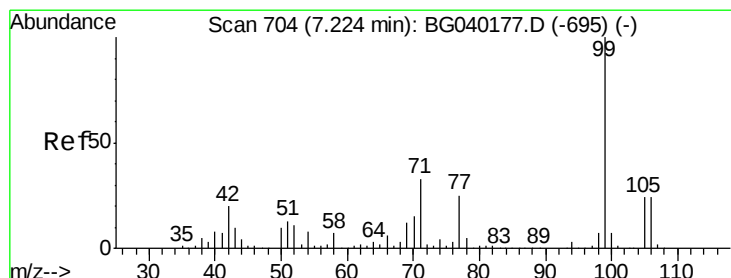
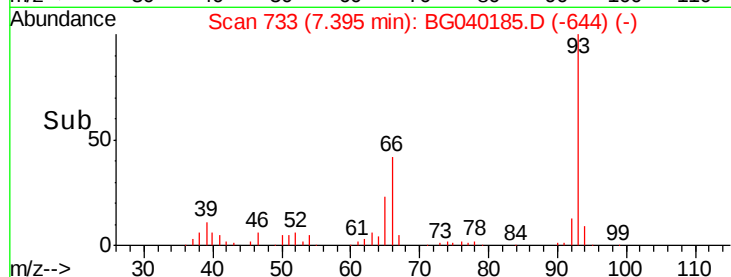
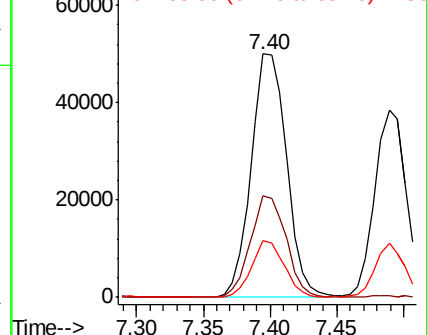
93 100

66 41.8 33.6 50.4

65 23.3 17.4 26.2



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 129.437 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

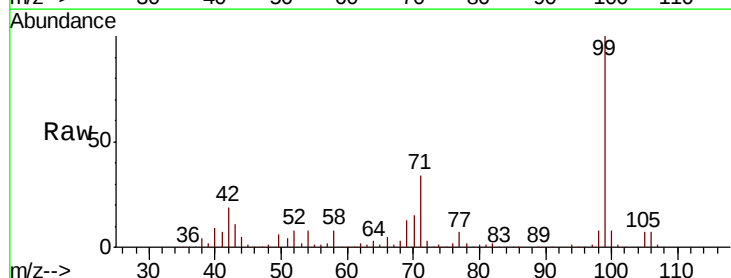
Tgt Ion: 99 Resp: 579896

Ion Ratio Lower Upper

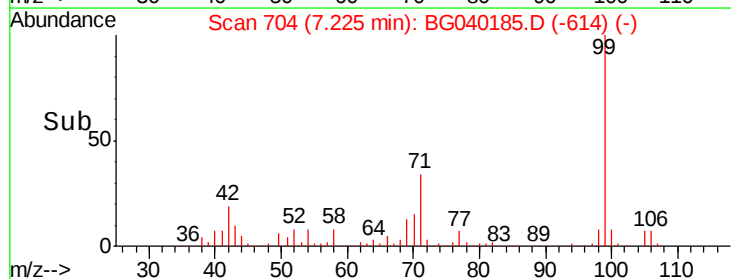
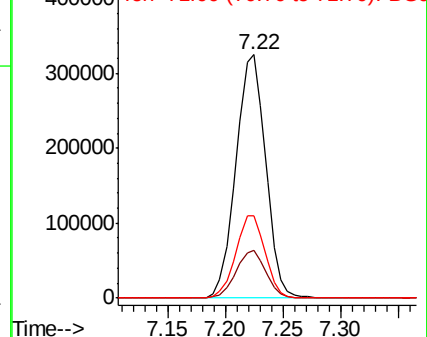
99 100

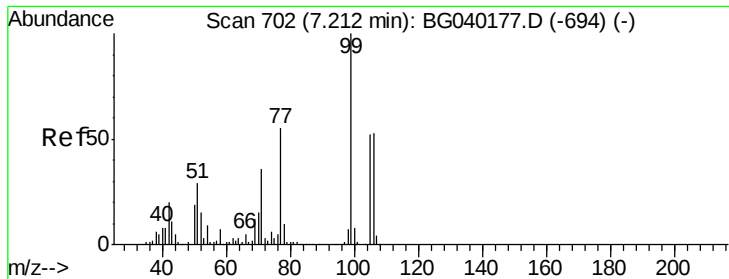
42 19.4 16.2 24.2

71 34.0 26.8 40.2



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





#9

Benzaldehyde

Concen: 17.300 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

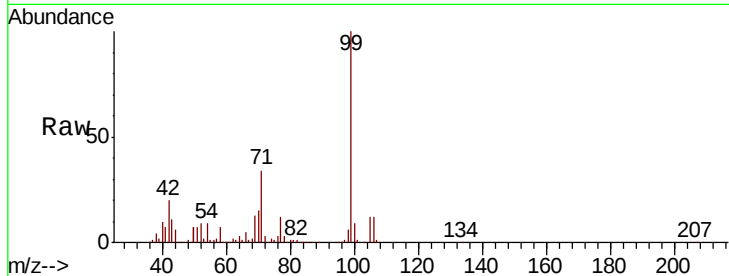
Tot Ion: 77 Resp: 53166

Ion Ratio Lower Upper

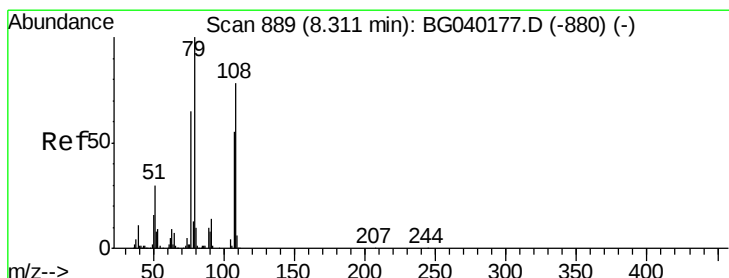
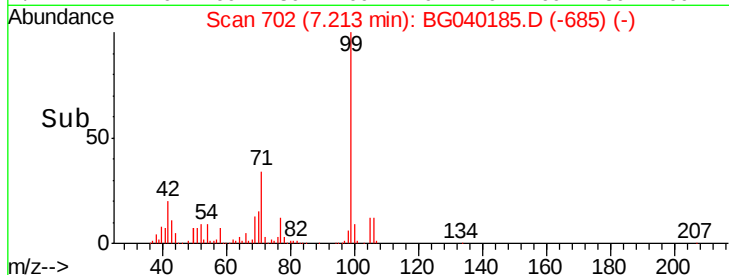
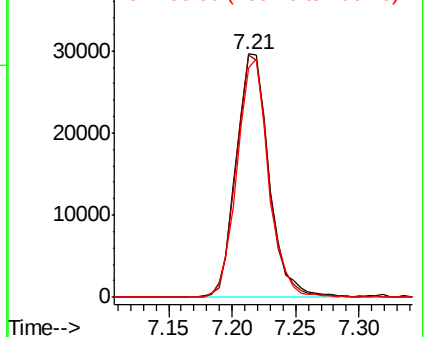
77 100

105 99.4 75.0 115.0

106 94.0 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#15

Benzyl Alcohol

Concen: 15.680 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

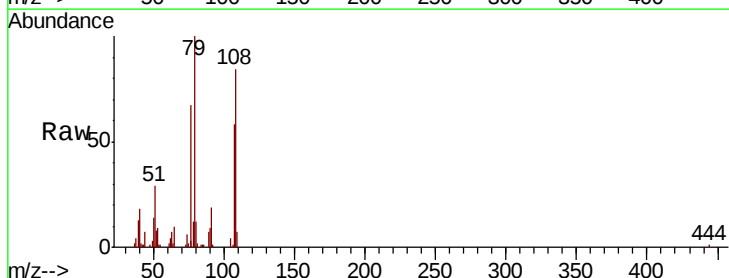
Tgt Ion: 79 Resp: 56574

Ion Ratio Lower Upper

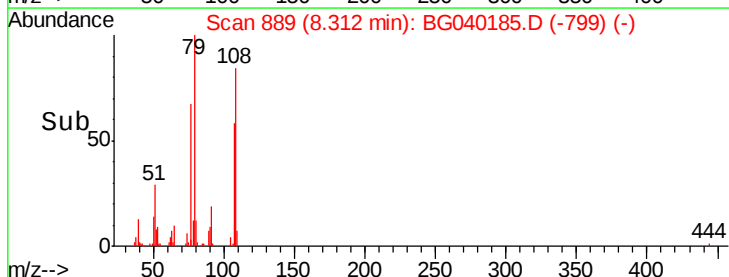
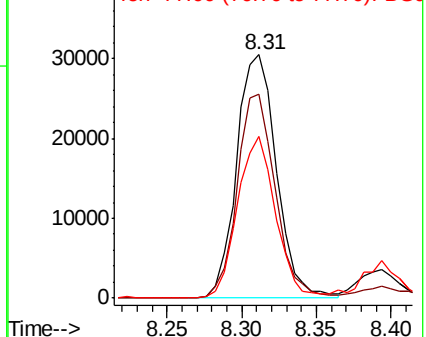
79 100

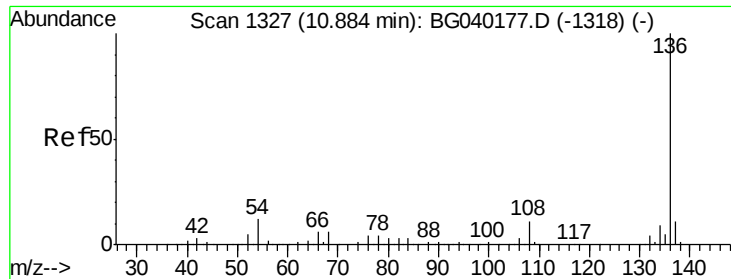
108 83.5 62.1 93.1

77 66.7 51.9 77.9



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

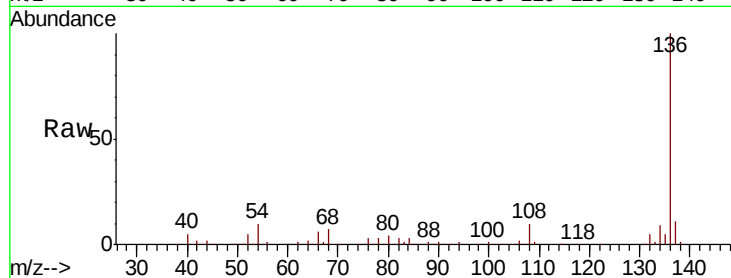




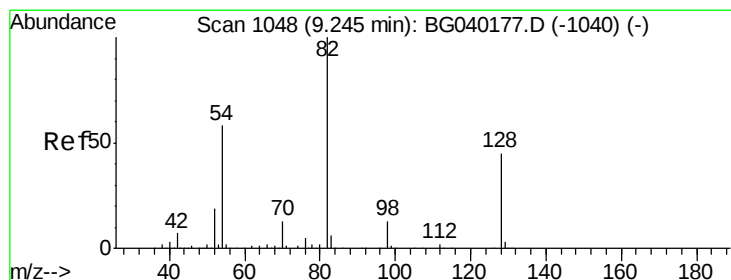
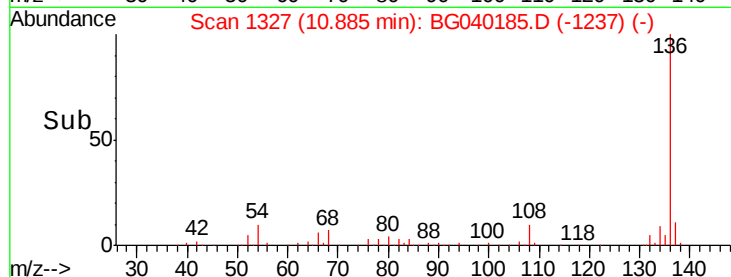
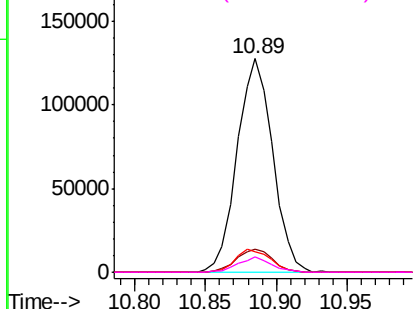
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tot Ion:136	Resp:	224406
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	9.6	9.6 14.4#
68	7.5	5.1 7.7

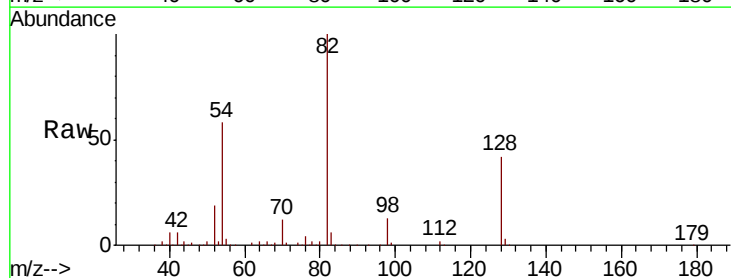


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

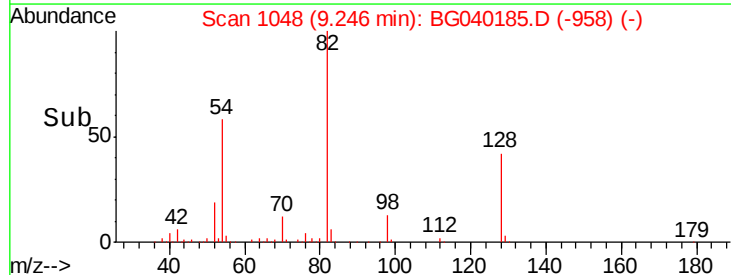
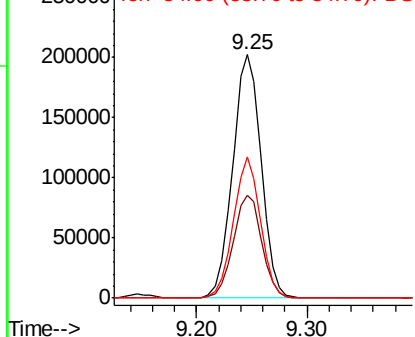


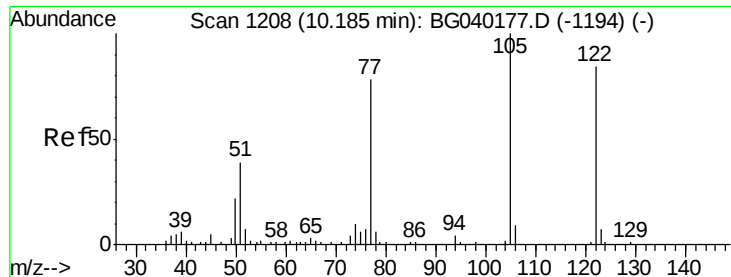
#23
Nitrobenzene-d5
Concen: 86.825 ng
RT: 9.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion: 82	Resp:	366561
Ion Ratio	Lower	Upper
82	100	
128	42.4	35.8 53.8
54	58.0	46.2 69.2



Abundance Ion 82.00 (81.70 to 82.70): BG
250000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

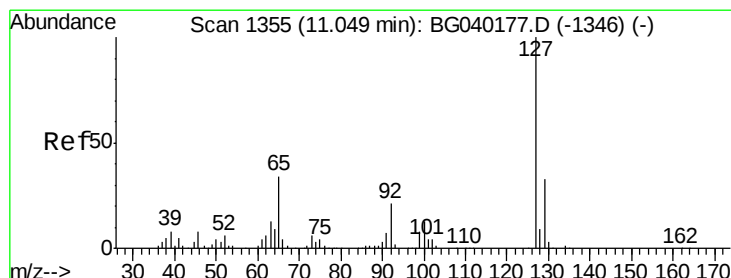
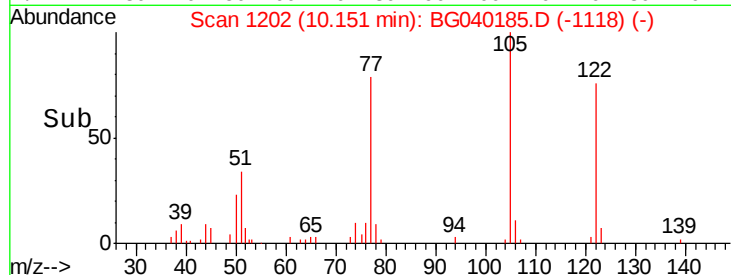
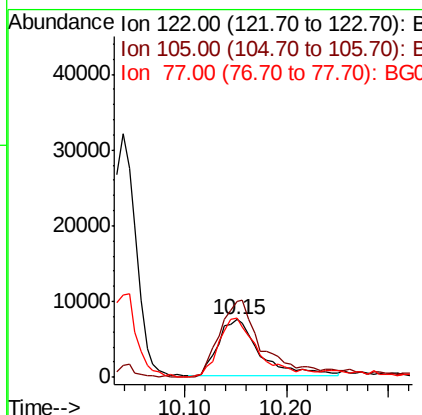
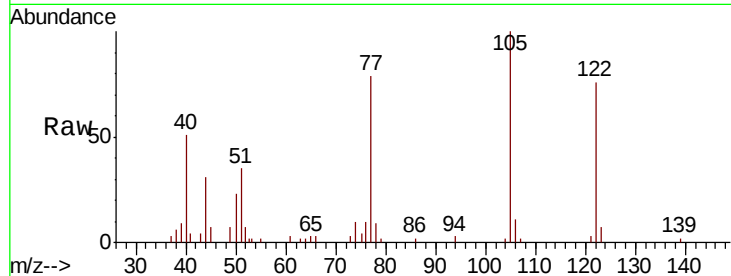




#32
Benzoic acid
Concen: 10.766 ng
RT: 10.15 min Scan# 1202
Delta R.T. -0.03 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

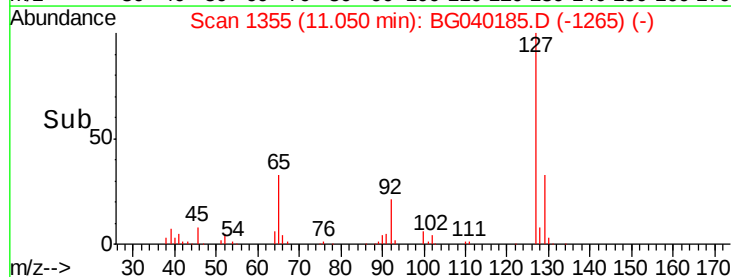
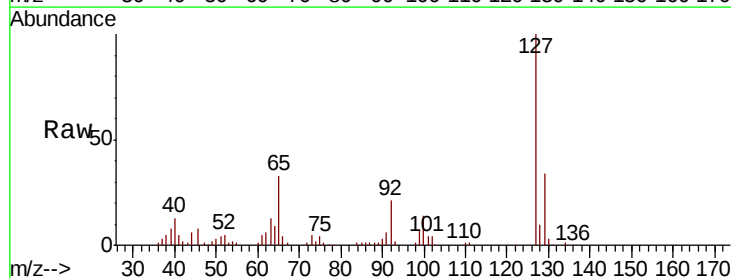
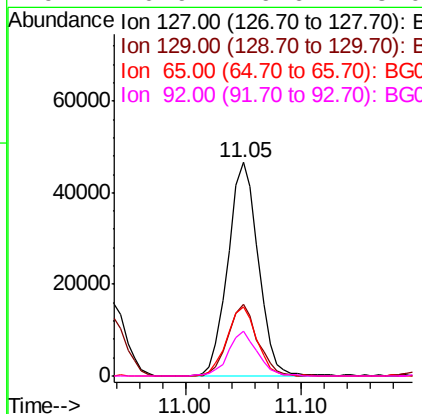
Instrument :
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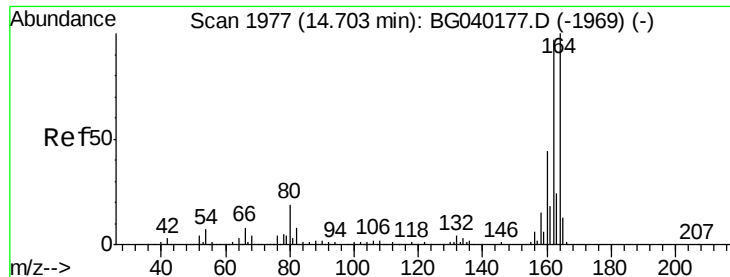
Tot Ion:122 Resp: 21404
Ion Ratio Lower Upper
122 100
105 131.3 98.2 138.2
77 103.1 73.6 113.6



#33
4-Chloroaniline
Concen: 17.278 ng
RT: 11.05 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:127 Resp: 84775
Ion Ratio Lower Upper
127 100
129 33.6 26.6 40.0
65 32.6 27.0 40.4
92 20.9 16.6 25.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

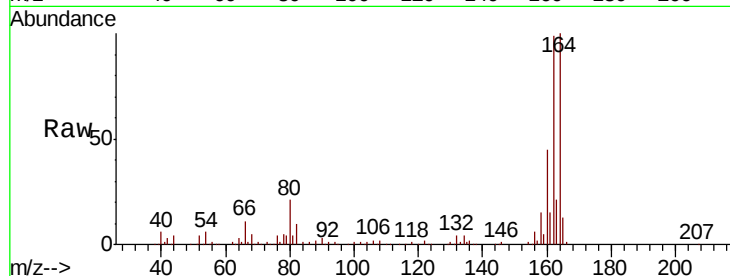
Tot Ion:164 Resp: 138510

Ion Ratio Lower Upper

164 100

162 99.4 77.4 116.2

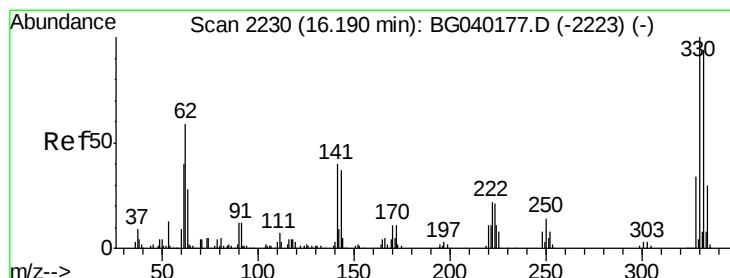
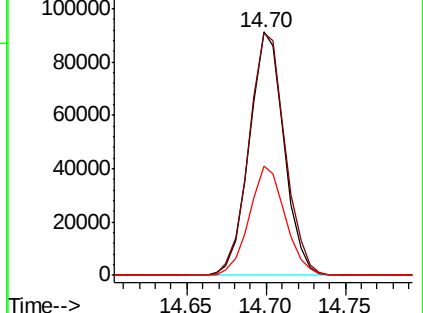
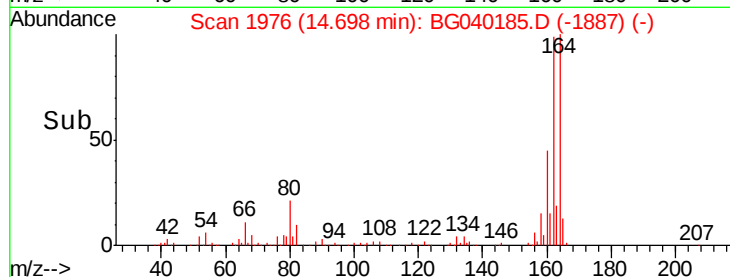
160 44.8 35.3 52.9



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



#42

2,4,6-Tribromophenol

Concen: 137.347 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

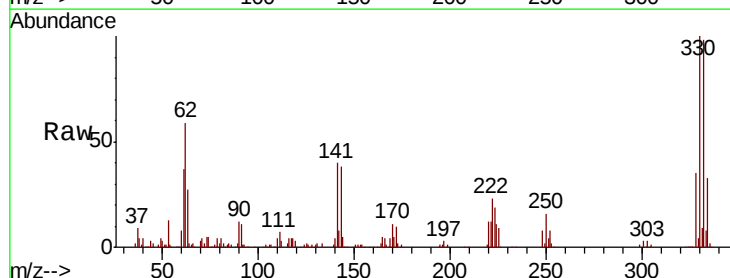
Tgt Ion:330 Resp: 205599

Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

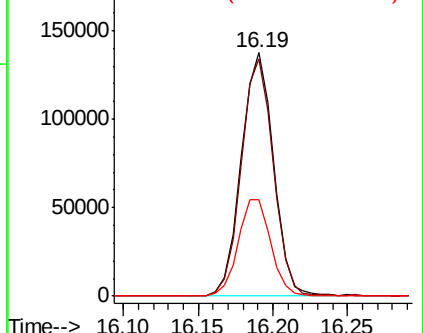
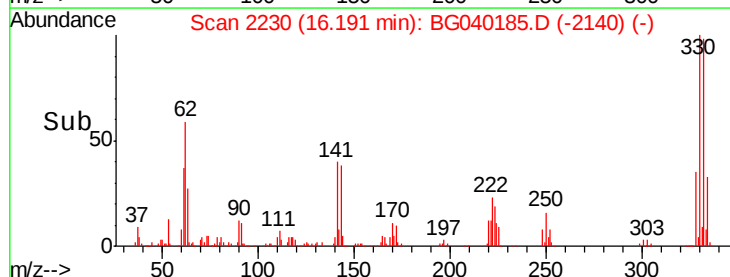
141 40.7 32.6 48.8

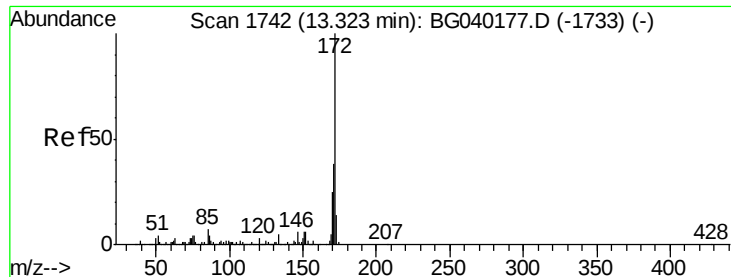


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

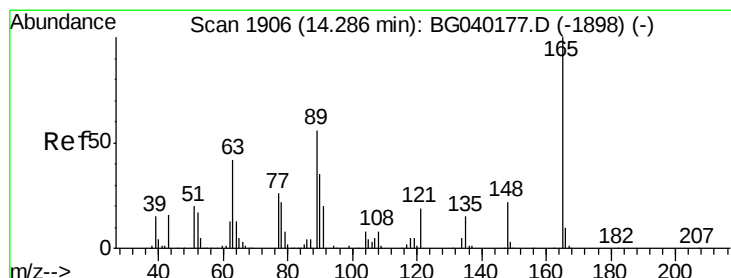
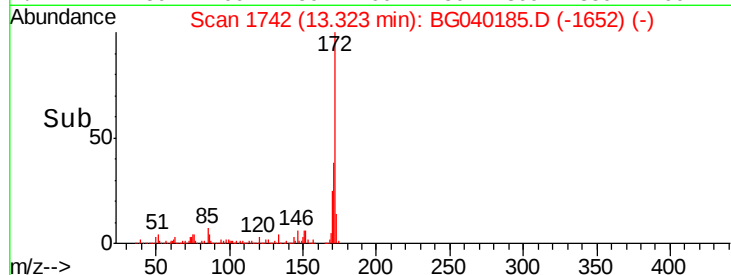
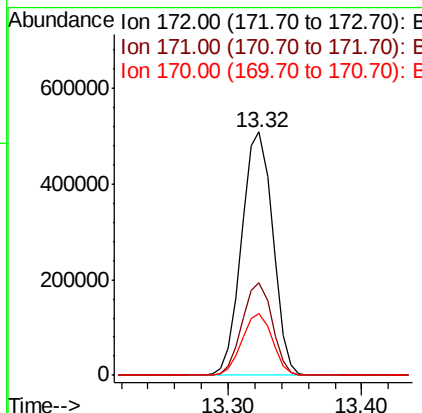
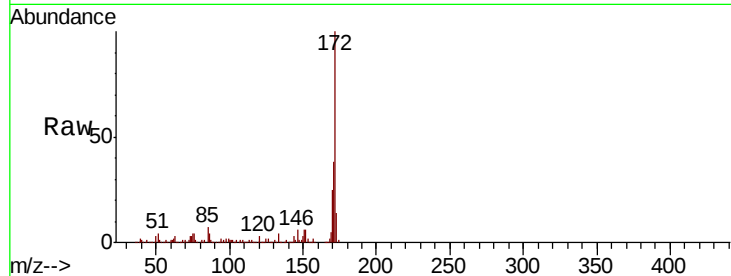




#45
2-Fluorobiphenyl
Concen: 87.432 ng
RT: 13.32 min Scan# 1742
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

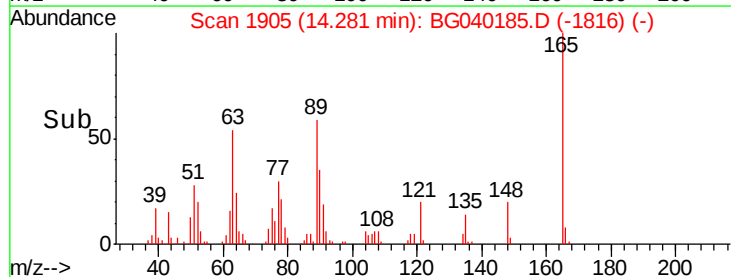
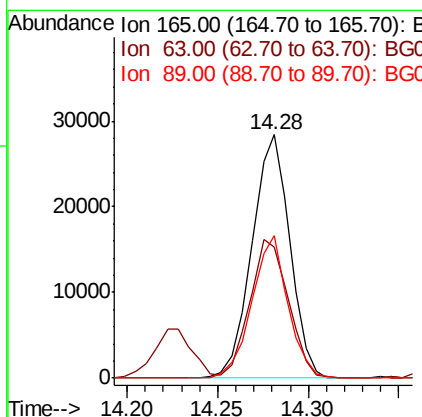
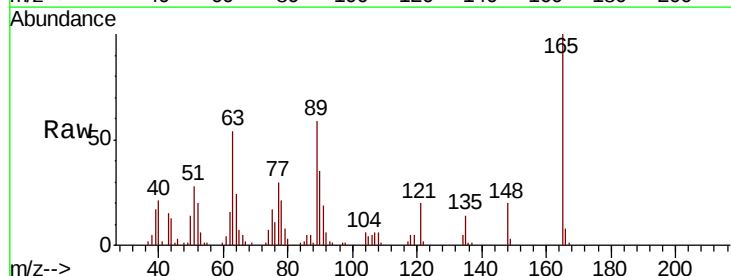
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

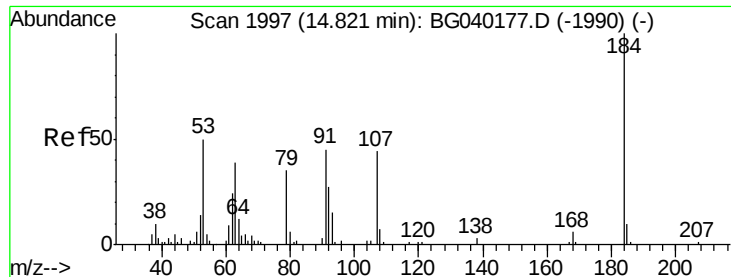
Tot Ion:172 Resp: 817286
Ion Ratio Lower Upper
172 100
171 38.3 30.5 45.7
170 25.3 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 16.898 ng
RT: 14.28 min Scan# 1905
Delta R.T. -0.01 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:165 Resp: 41131
Ion Ratio Lower Upper
165 100
63 54.0 44.1 66.1
89 58.6 44.9 67.3





#54

2,4-Dinitrophenol

Concen: 13.073 ng

RT: 14.82 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

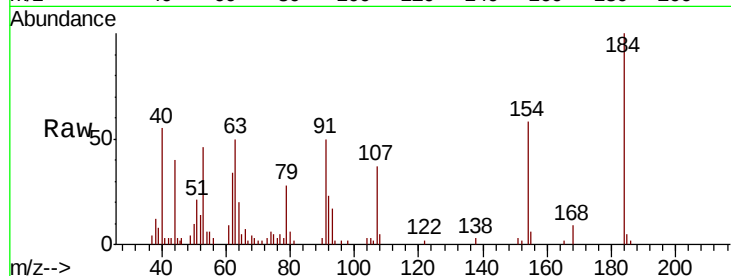
Tot Ion:184 Resp: 16923

Ion Ratio Lower Upper

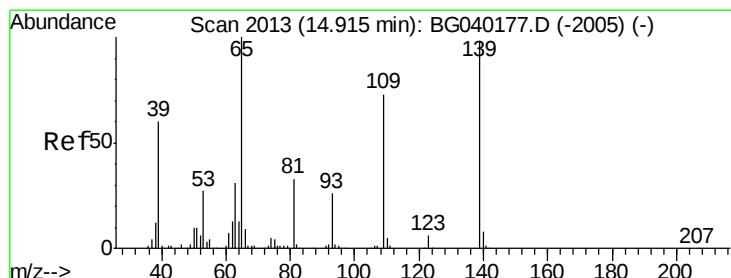
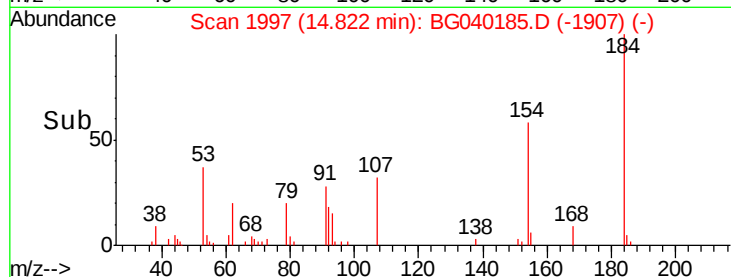
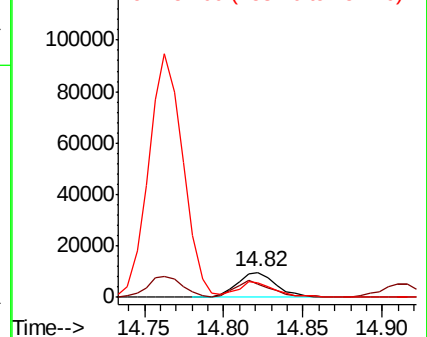
184 100

63 49.9 51.8 77.8#

154 57.6 50.9 76.3



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E



#56

4-Nitrophenol

Concen: 16.049 ng

RT: 14.91 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

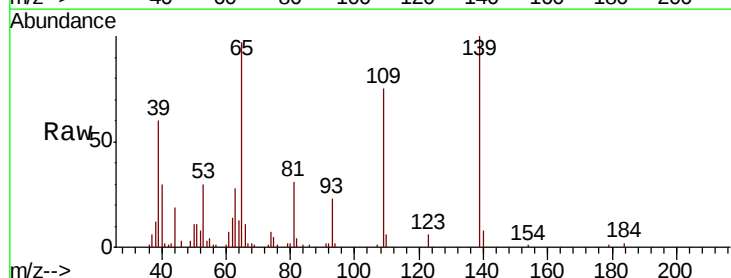
Tgt Ion:139 Resp: 33374

Ion Ratio Lower Upper

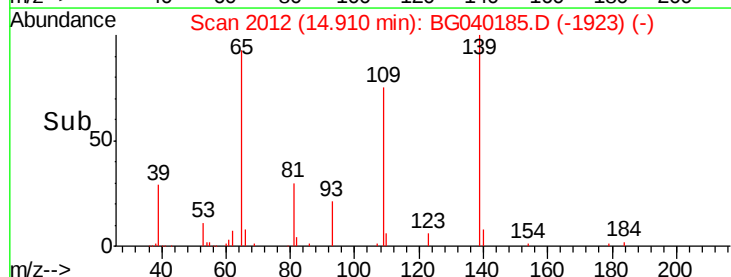
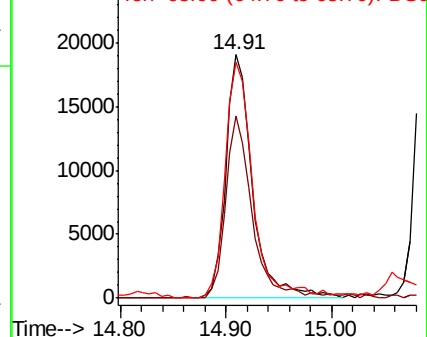
139 100

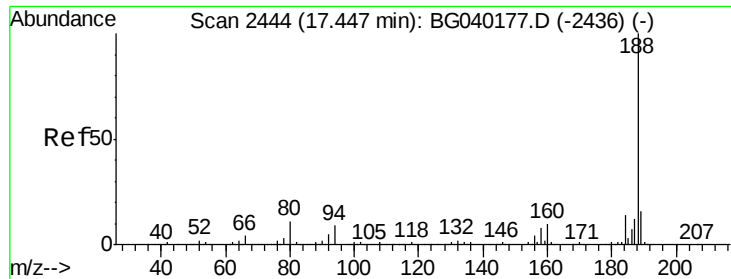
109 74.7 54.3 94.3

65 97.0 82.5 122.5



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): BG





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

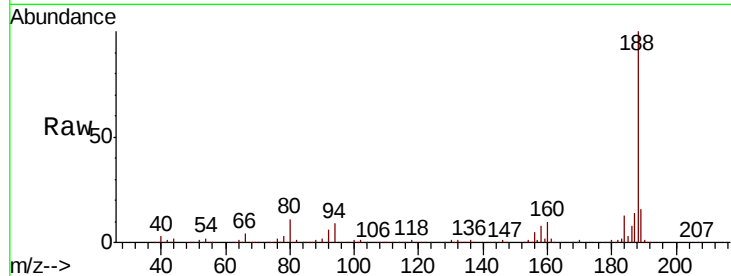
Tot Ion:188 Resp: 323281

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.4

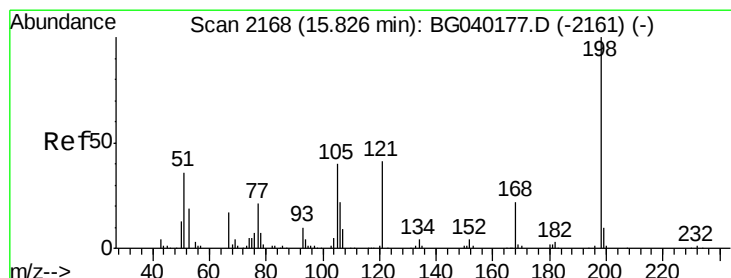
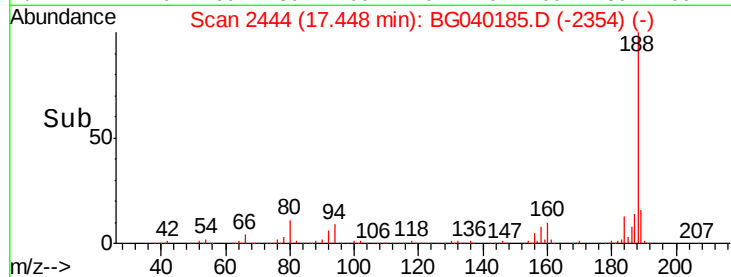
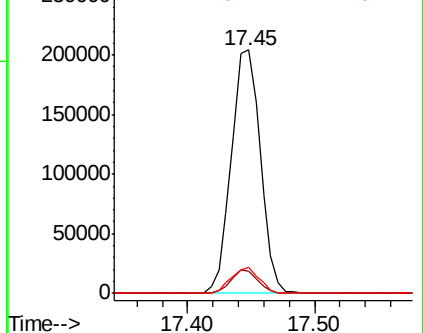
80 10.6 8.6 13.0



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: 14.585 ng

RT: 15.83 min Scan# 2168

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

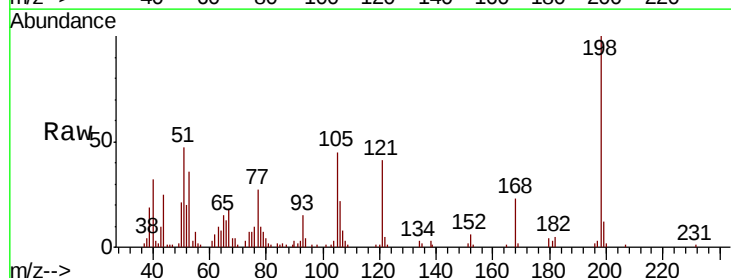
Tgt Ion:198 Resp: 26490

Ion Ratio Lower Upper

198 100

51 47.5 27.3 67.3

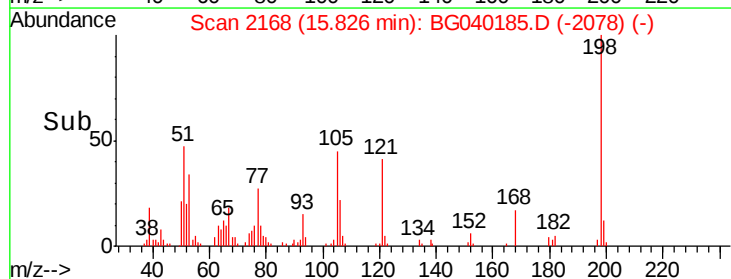
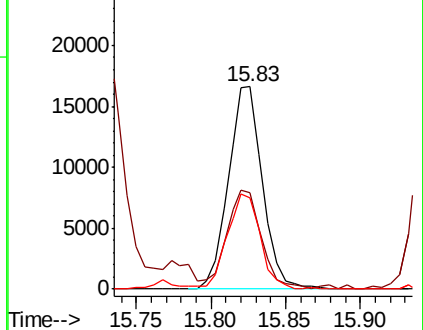
105 44.9 21.7 61.7

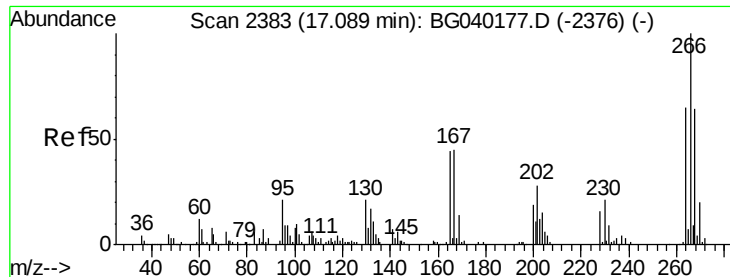


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

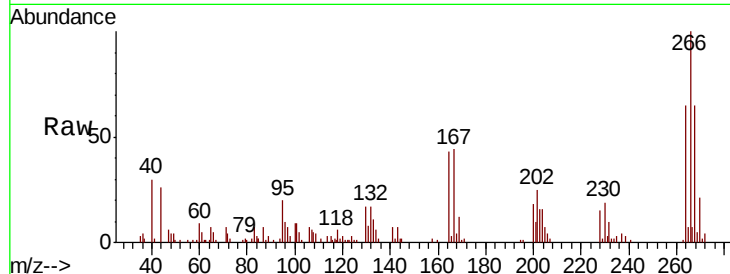




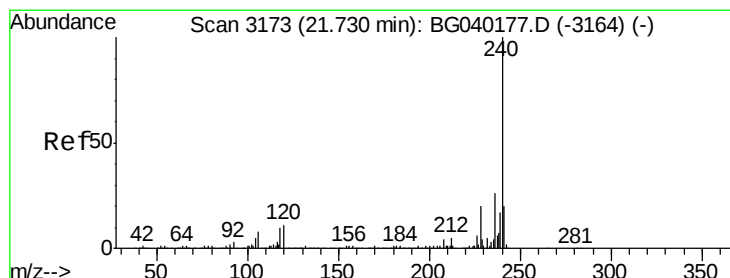
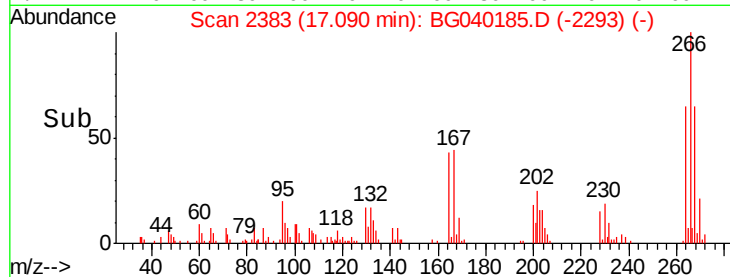
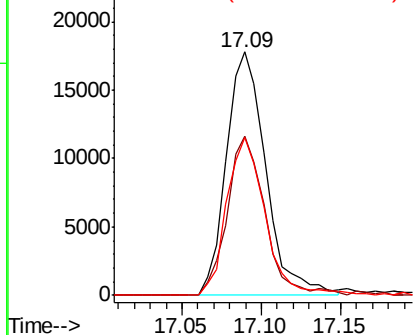
#70
 Pentachlorophenol
 Concen: 14.513 ng
 RT: 17.09 min Scan# 2383
 Delta R.T. 0.00 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
266	100		
268	65.5	55.0	82.4
264	64.8	51.8	77.8

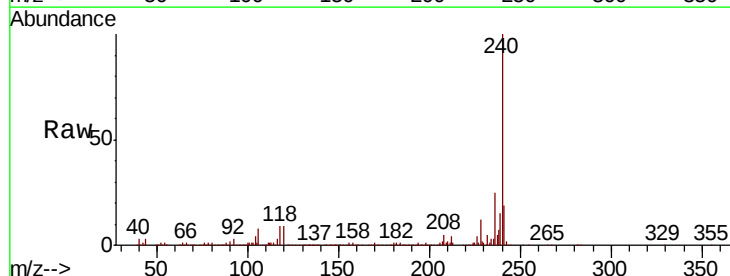


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

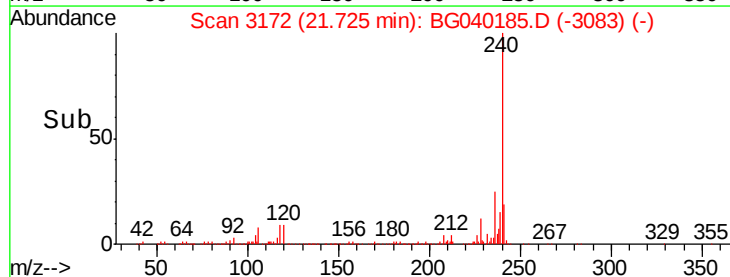
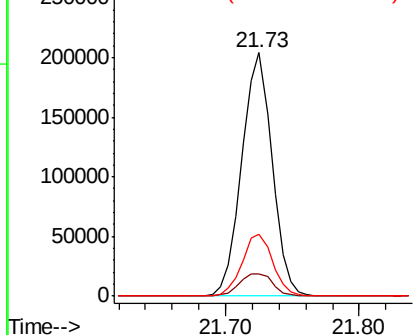


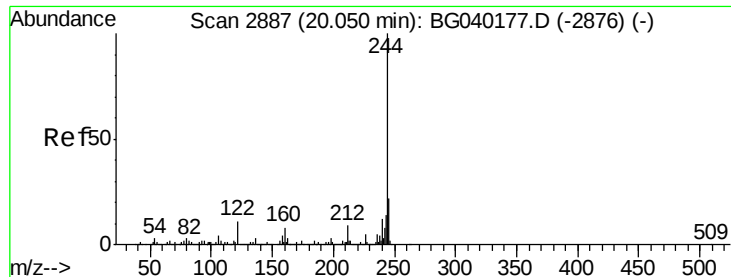
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3172
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.4	12.6
236	25.2	20.8	31.2



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





#79

Terphenyl-d14

Concen: 85.538 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

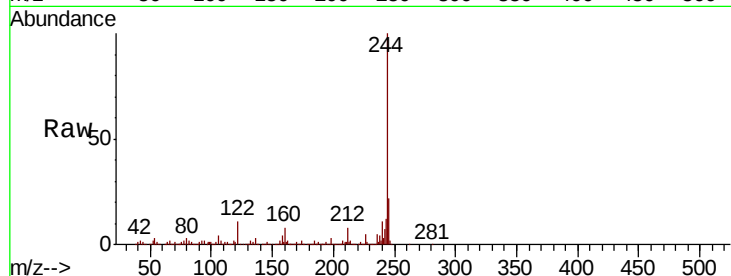
Tot Ion:244 Resp: 1218997

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

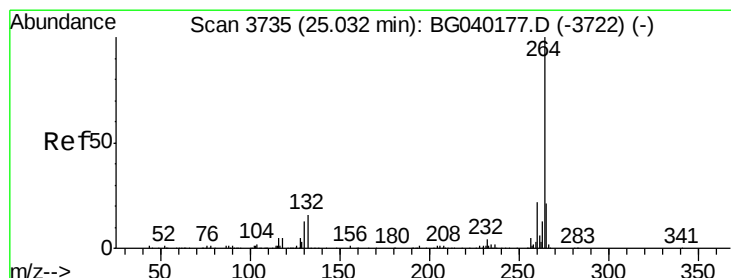
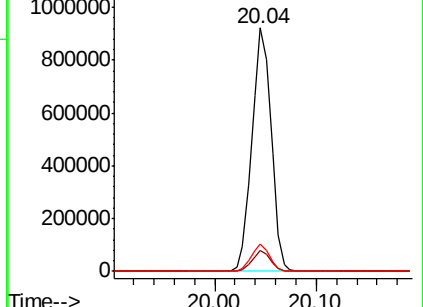
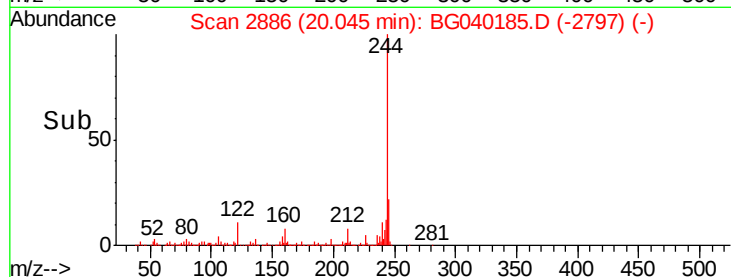
122 11.0 8.5 12.7



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: 25.02 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

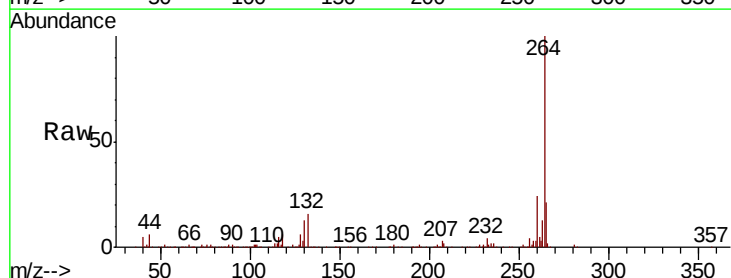
Tgt Ion:264 Resp: 333039

Ion Ratio Lower Upper

264 100

260 24.1 17.9 26.9

265 21.1 16.8 25.2



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

