

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062419\
 Data File : BG041430.D
 Acq On : 24 Jun 2019 20:36
 Operator : HP/JU
 Sample : K3499-09
 Misc : MDL-WATER-8.0PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TWP-B-6

Quant Time: Jun 25 05:08:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	33914	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	133386	20.00	ng	-0.04
39) Acenaphthene-d10	14.69	164	93300	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	233302	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	231114	20.00	ng	-0.04
87) Perylene-d12	24.99	264	187693	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	104813	56.79	ng	-0.04
7) Phenol-d6	7.20	99	97150	36.31	ng	-0.03
23) Nitrobenzene-d5	9.23	82	258912	81.63	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	185689	129.64	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	639580	93.17	ng	-0.03
79) Terphenyl-d14	20.03	244	1130110	96.91	ng	-0.03

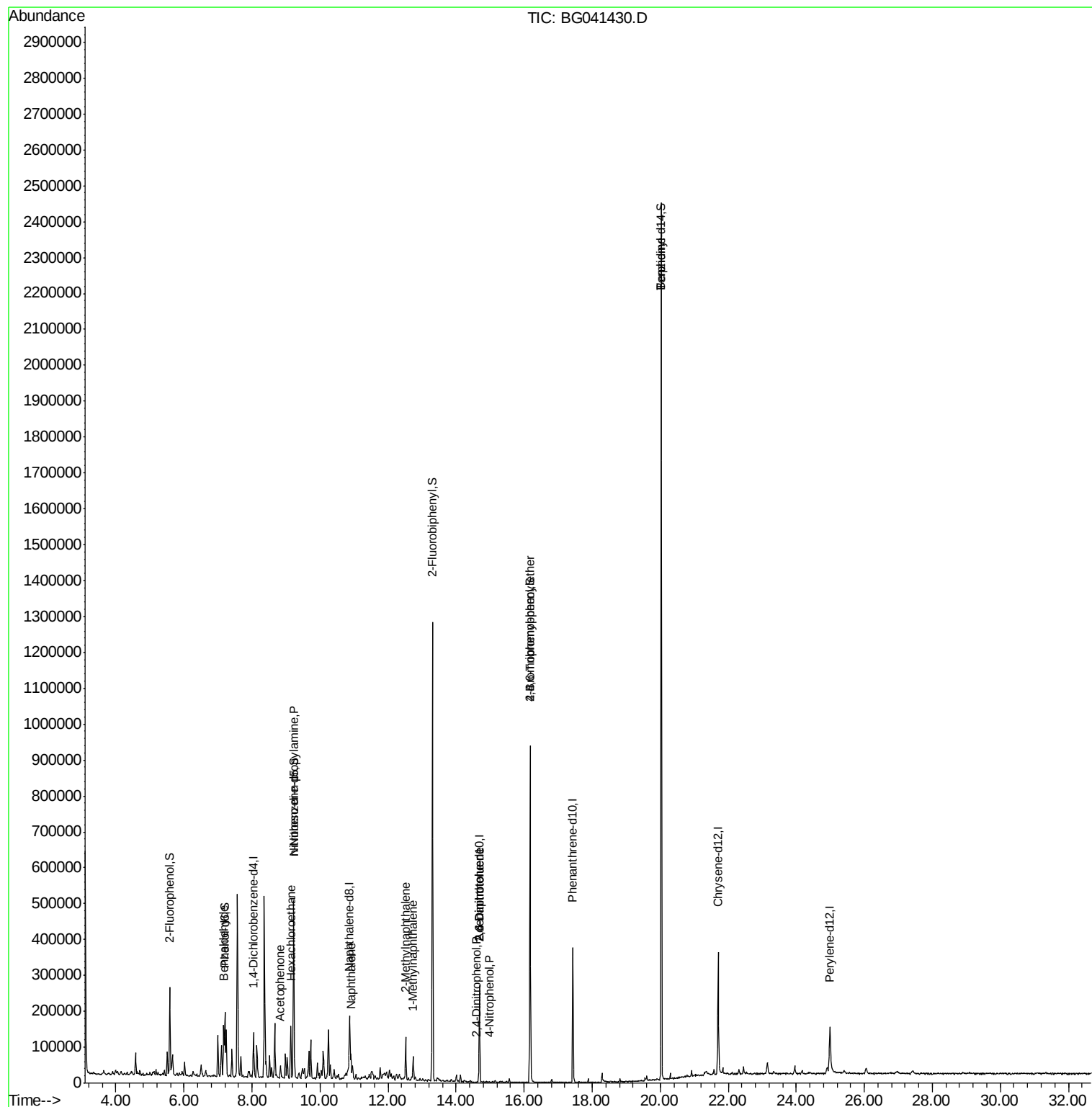
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	10631	6.213	ng	# 1
18) Hexachloroethane	9.14	117	18207	16.564	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	37518	17.338	ng	# 73
22) Acetophenone	8.83	105	22952	5.913	ng	# 51
31) Naphthalene	10.91	128	38321	5.286	ng	99
37) 2-Methylnaphthalene	12.52	142	51916	9.723	ng	98
38) 1-Methylnaphthalene	12.73	142	30351	5.941	ng	99
51) 2,6-Dinitrotoluene	14.69	165	12055	6.887	ng	# 15
54) 2,4-Dinitrophenol	14.61	184	54	4.886	ng	# 13
56) 4-Nitrophenol	14.97	139	62	3.261	ng	# 1
57) 2,4-Dinitrotoluene	14.69	165	12055	4.711	ng	# 18
67) 4-Bromophenyl-phenylether	16.18	248	13801	4.575	ng	# 1
77) Benzidine	20.03	184	18680	3.342	ng	# 95

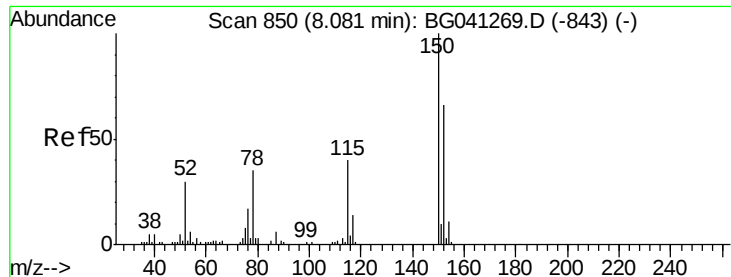
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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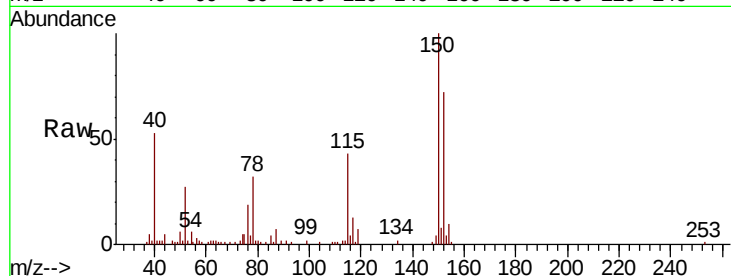


#1

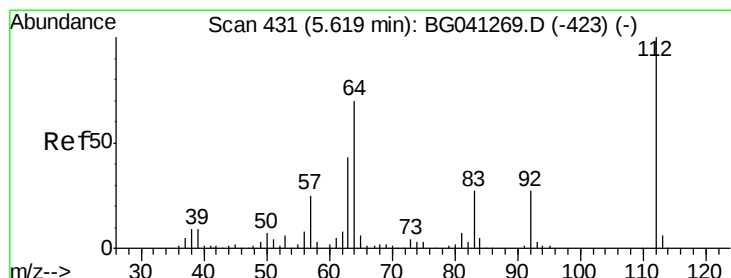
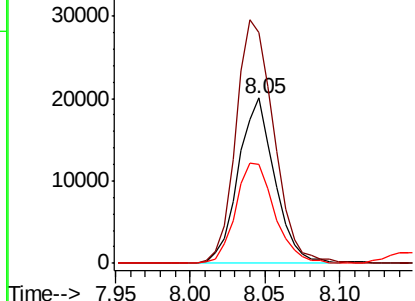
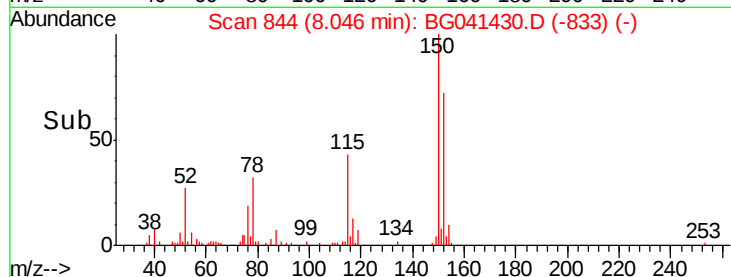
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.03 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

Instrument :
BNA_G
ClientSampleId :
TWP-B-6

Tgt Ion:152 Resp: 33914
Ion Ratio Lower Upper
152 100
150 139.6 120.6 181.0
115 59.8 47.9 71.9



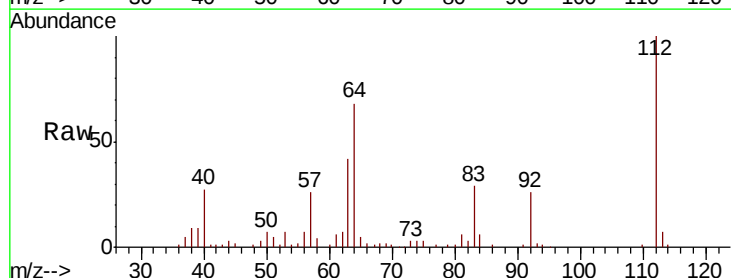
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



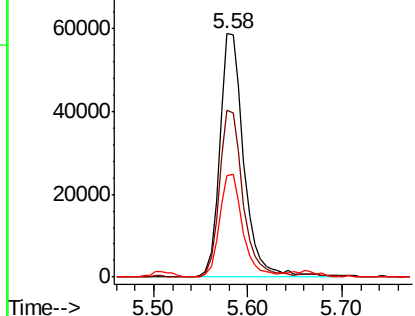
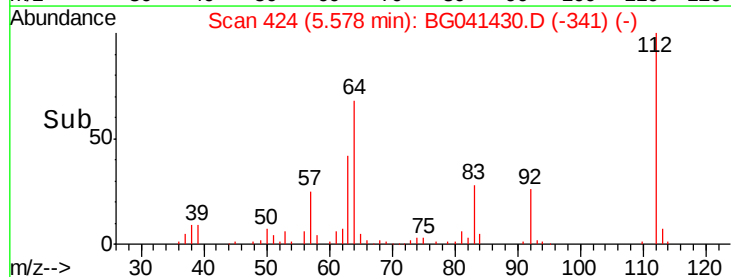
#5

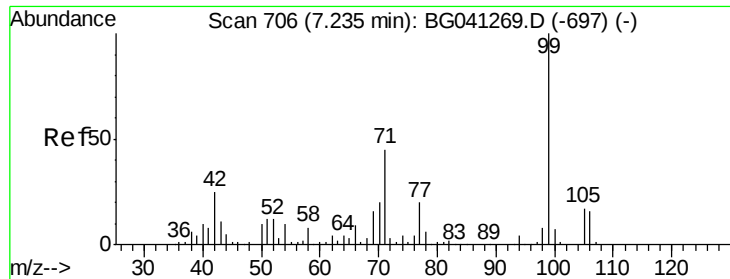
2-Fluorophenol
Concen: 56.786 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.04 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

Tgt Ion:112 Resp: 104813
Ion Ratio Lower Upper
112 100
64 68.4 55.9 83.9
63 41.5 34.6 51.8



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: 36.312 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

Instrument :

BNA_G

ClientSampleId :

TWP-B-6

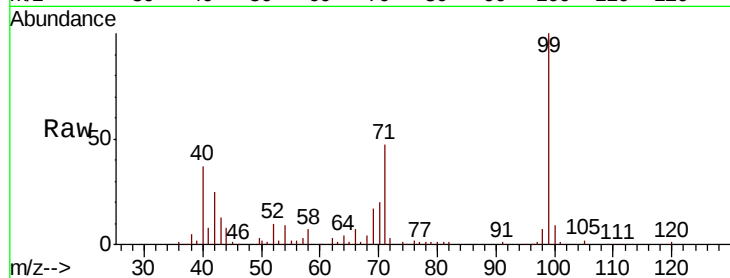
Tgt Ion: 99 Resp: 97150

Ion Ratio Lower Upper

99 100

42 24.9 19.9 29.9

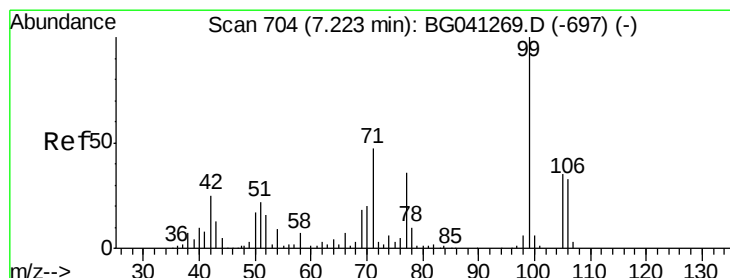
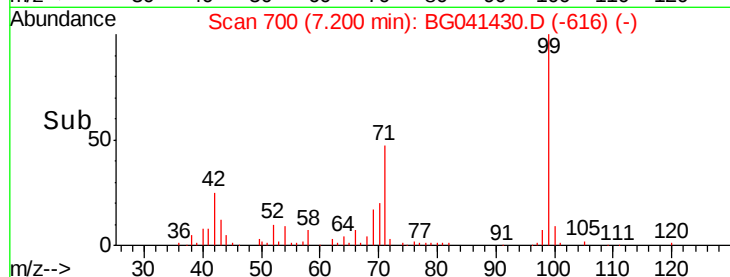
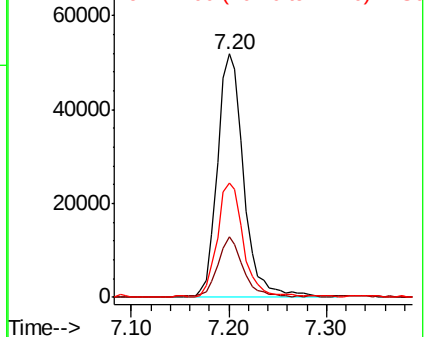
71 46.9 36.4 54.6



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: 6.213 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.06 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

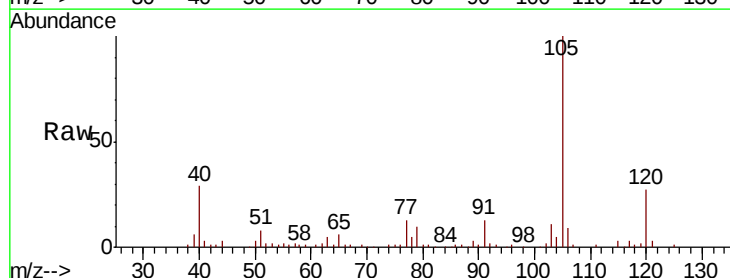
Tgt Ion: 77 Resp: 10631

Ion Ratio Lower Upper

77 100

105 744.0 78.7 118.7#

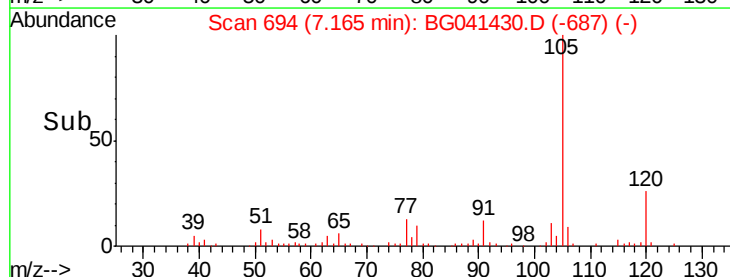
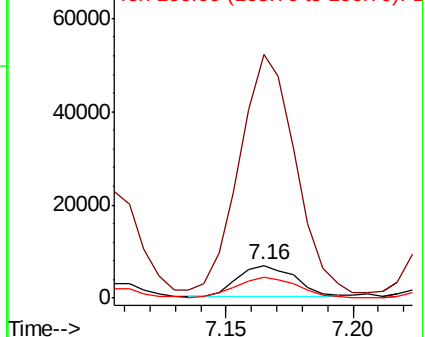
106 64.3 71.1 111.1#

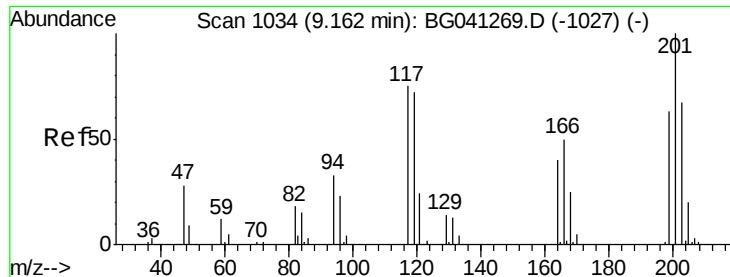


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

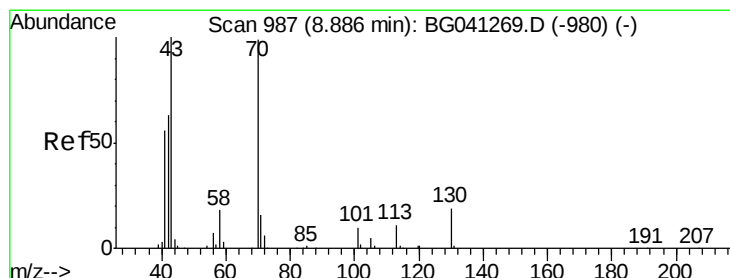
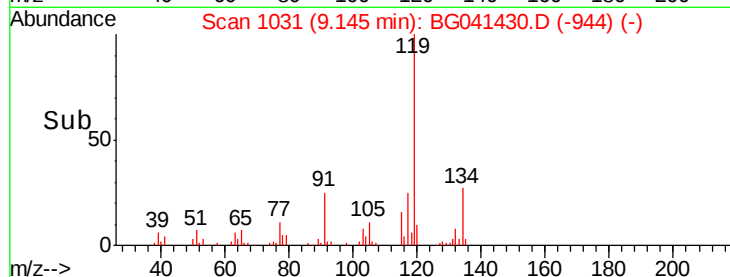
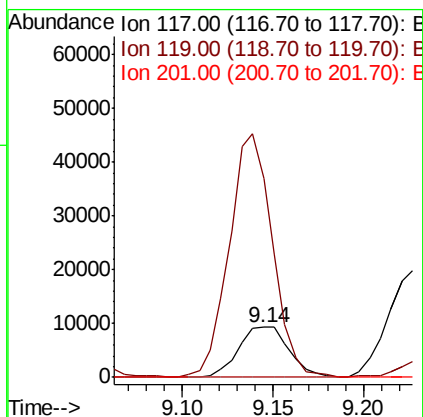
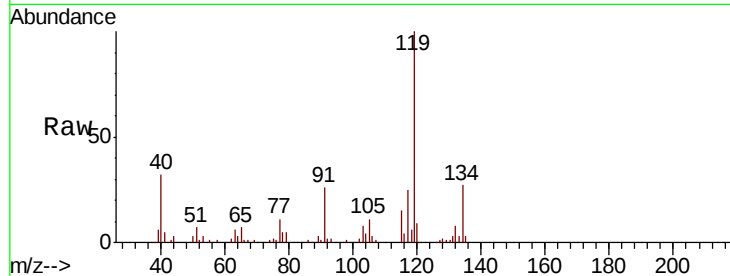




#18
Hexachloroethane
Concen: 16.564 ng
RT: 9.14 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

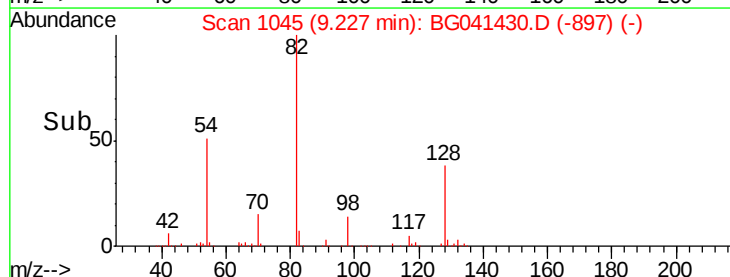
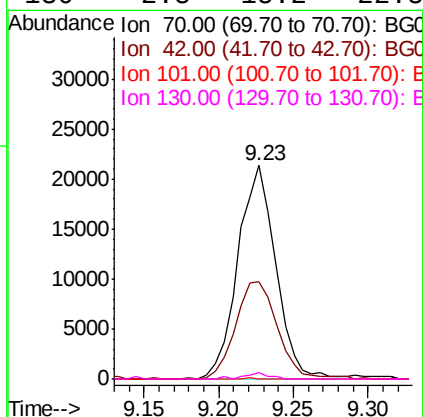
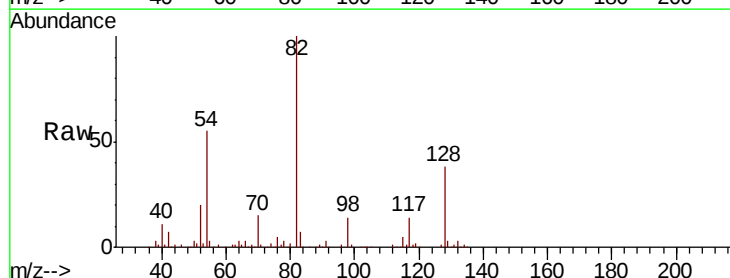
Instrument :
BNA_G
ClientSampleId :
TWP-B-6

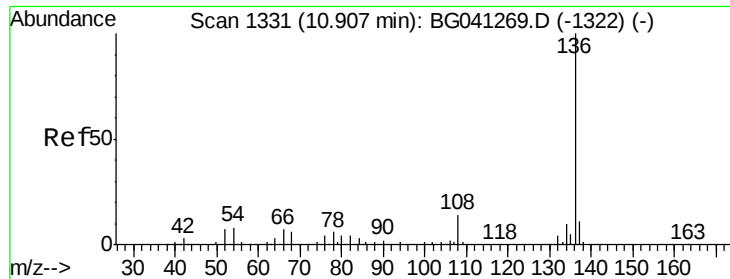
Tgt Ion: 117 Resp: 18207
Ion Ratio Lower Upper
117 100
119 397.3 76.8 115.2#
201 0.0 106.3 159.5#



#19
n-Nitroso-di-n-propylamine
Concen: 17.338 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.34 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

Tgt Ion: 70 Resp: 37518
Ion Ratio Lower Upper
70 100
42 45.3 51.4 77.2#
101 0.0 8.2 12.2#
130 2.8 15.2 22.8#

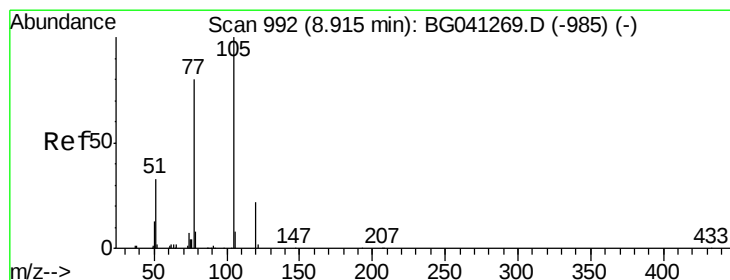
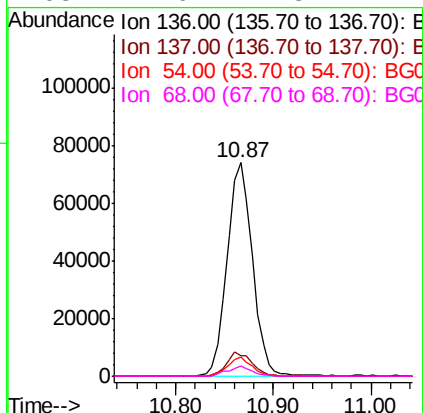
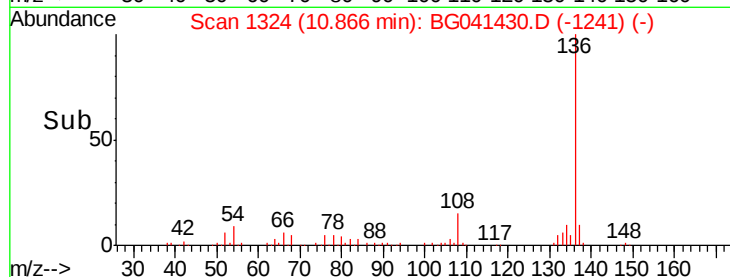
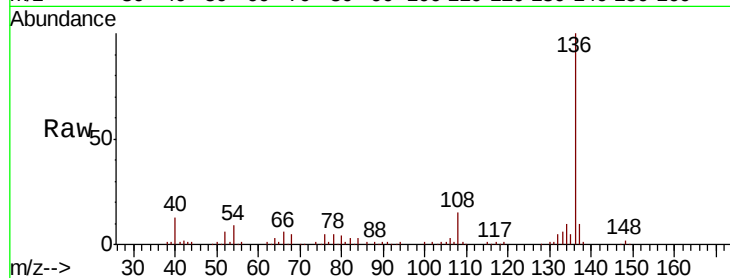




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.04 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

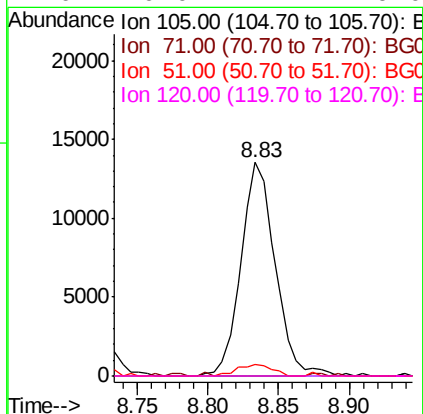
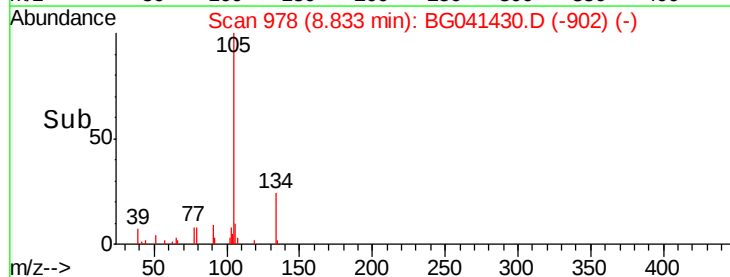
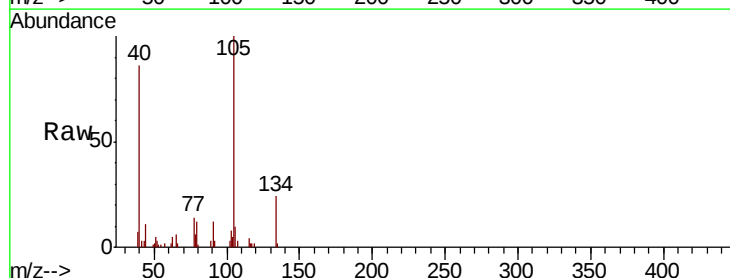
Instrument :
BNA_G
ClientSampleId :
TWP-B-6

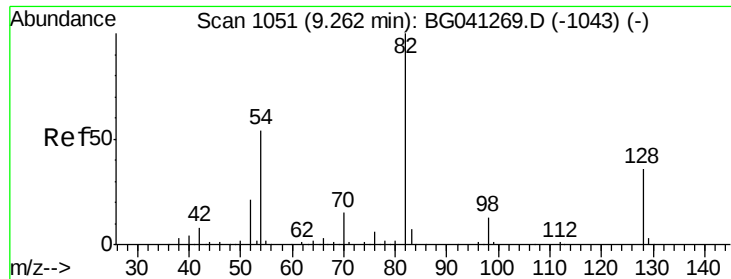
Tgt Ion:	136	Resp:	133386
Ion	Ratio	Lower	Upper
136	100		
137	9.7	8.8	13.2
54	8.9	6.4	9.6
68	4.6	4.8	7.2#



#22
Acetophenone
Concen: 5.913 ng
RT: 8.83 min Scan# 978
Delta R.T. -0.08 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

Tgt Ion:	105	Resp:	22952
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.4	0.6#
51	5.4	28.2	42.4#
120	0.0	17.4	26.0#

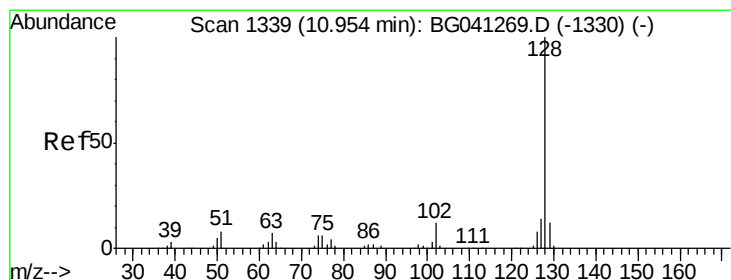
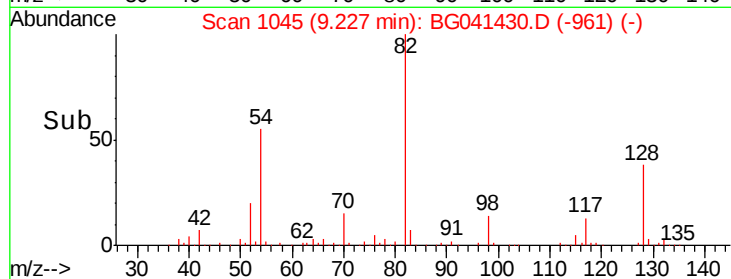
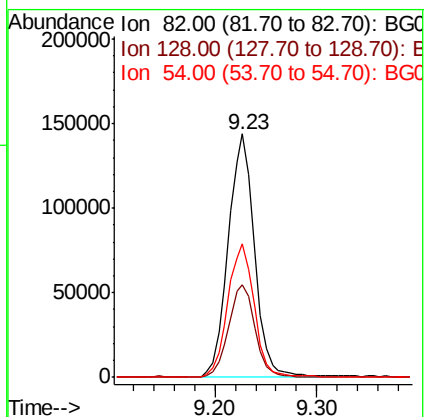
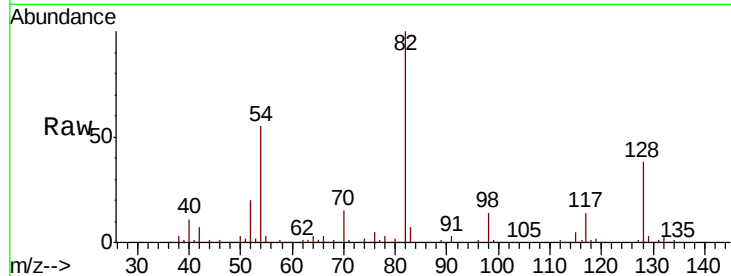




#23
Nitrobenzene-d5
Concen: 81.634 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

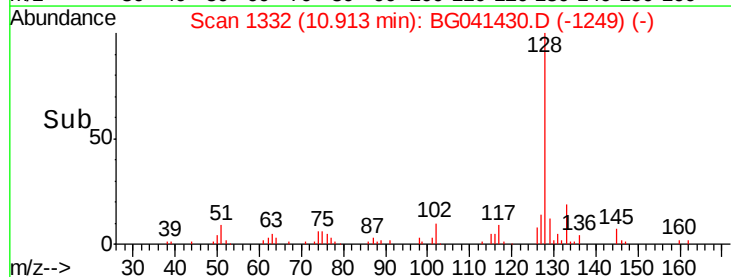
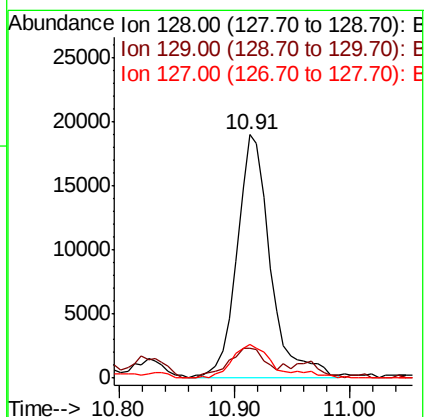
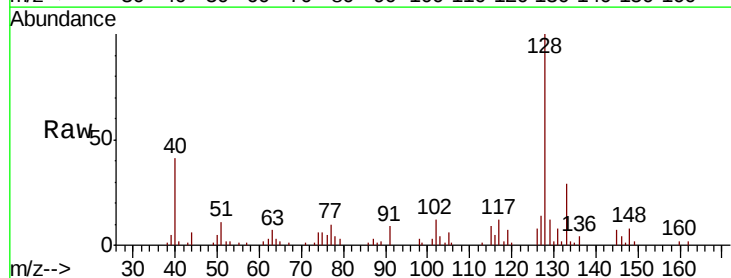
Instrument :
BNA_G
ClientSampleId :
TWP-B-6

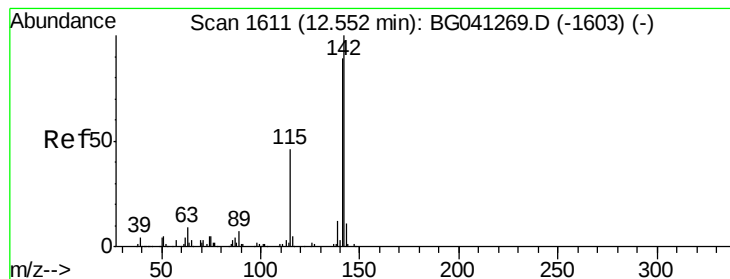
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.2	29.2	43.8
54	54.6	43.4	65.0



#31
Naphthalene
Concen: 5.286 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.04 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.4	14.0
127	13.9	11.2	16.8





#37

2-Methylnaphthalene

Concen: 9.723 ng

RT: 12.52 min Scan# 1605

Delta R.T. -0.03 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

Instrument :

BNA_G

ClientSampled :

TWP-B-6

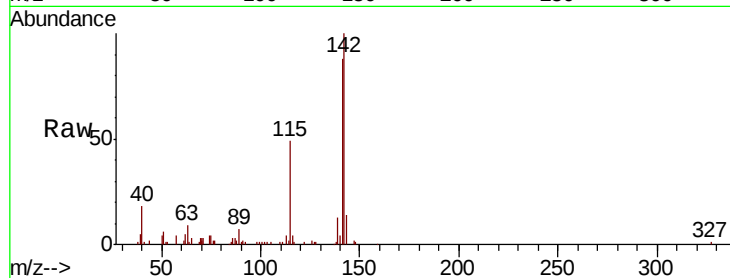
Tgt Ion:142 Resp: 51916

Ion Ratio Lower Upper

142 100

141 88.2 71.5 107.3

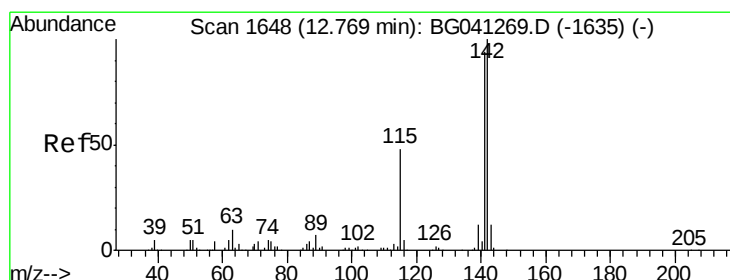
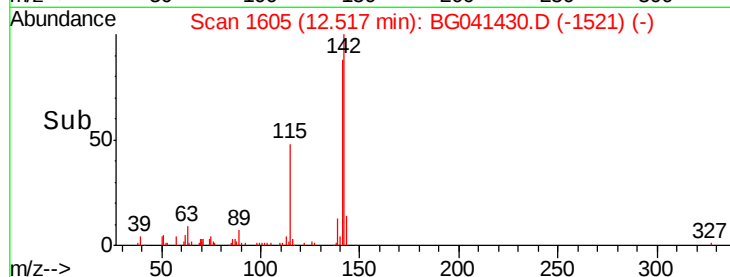
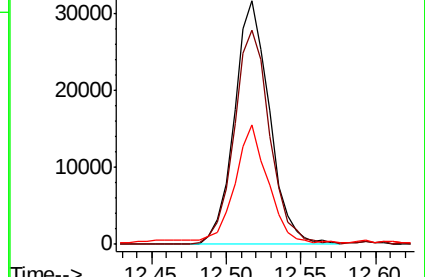
115 49.0 37.0 55.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 5.941 ng

RT: 12.73 min Scan# 1642

Delta R.T. -0.03 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

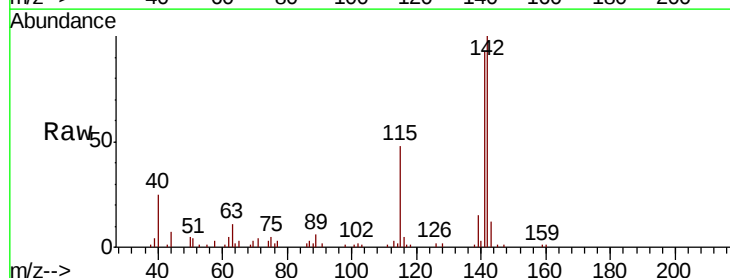
Tgt Ion:142 Resp: 30351

Ion Ratio Lower Upper

142 100

141 92.6 75.0 112.6

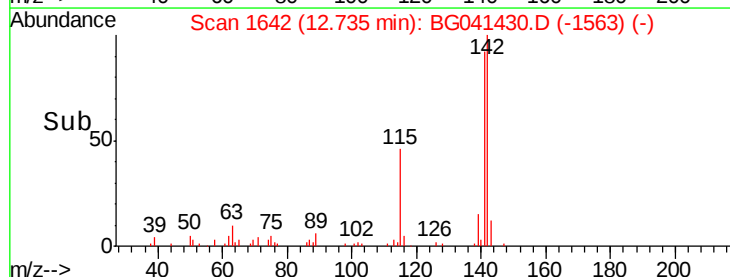
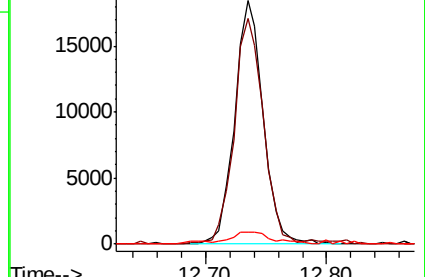
116 4.7 4.2 6.2

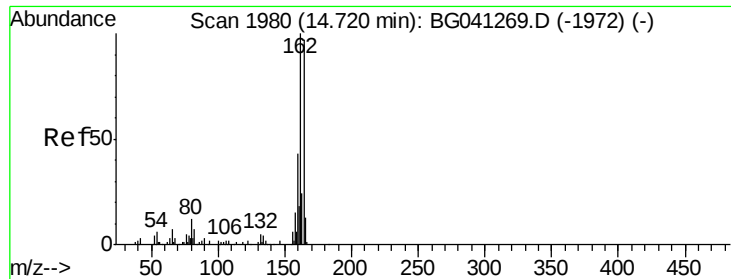


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.03 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

Instrument :

BNA_G

ClientSampleId :

TWP-B-6

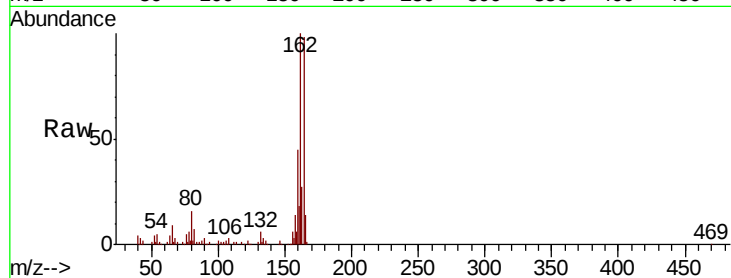
Tgt Ion:164 Resp: 93300

Ion Ratio Lower Upper

164 100

162 101.9 82.8 124.2

160 45.8 35.8 53.8

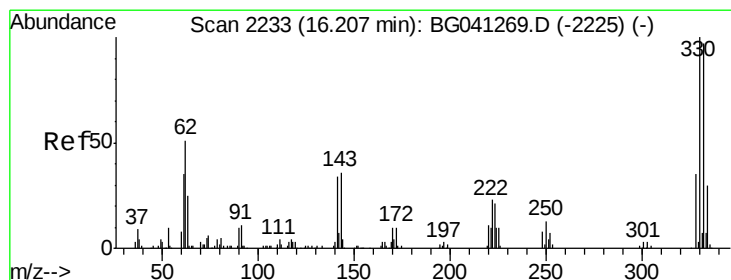
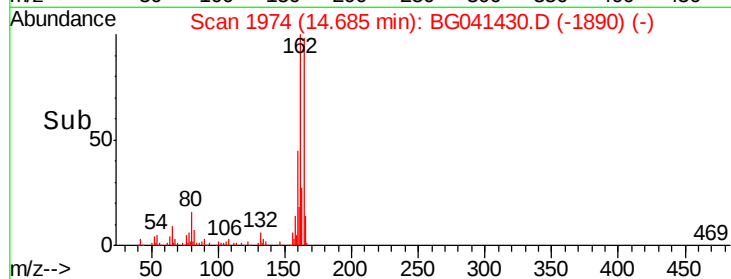
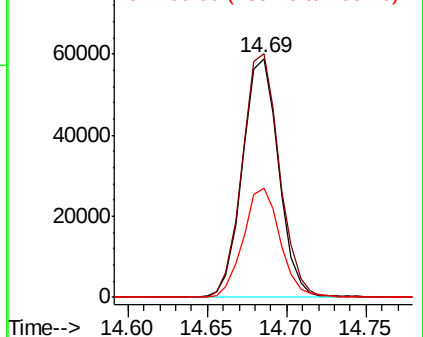


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 129.638 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.03 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

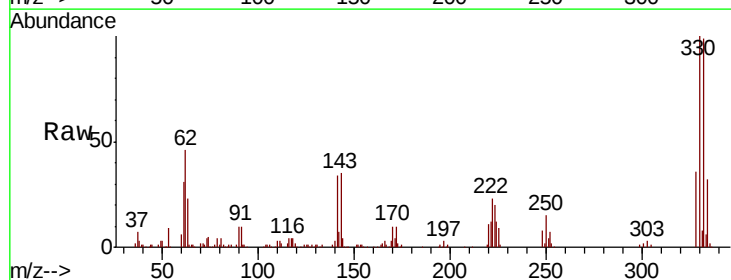
Tgt Ion:330 Resp: 185689

Ion Ratio Lower Upper

330 100

332 97.1 75.5 113.3

141 35.3 29.0 43.4

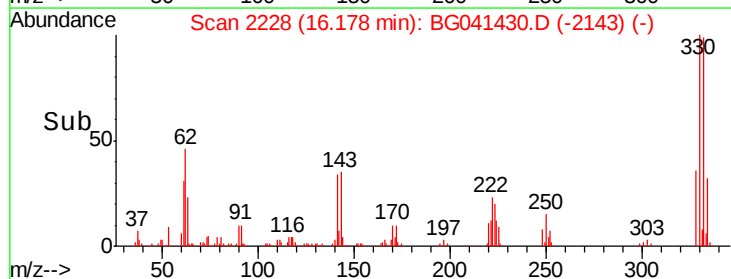
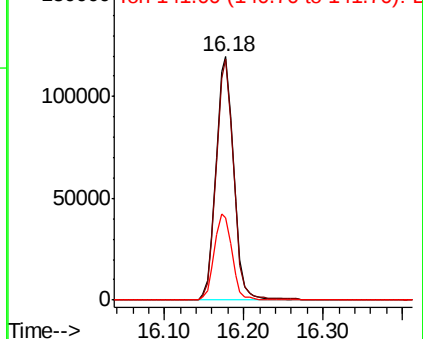


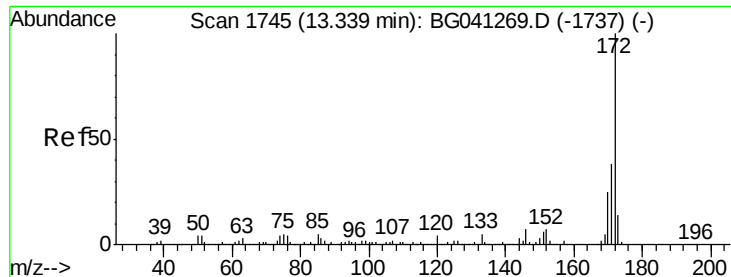
Abundance

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

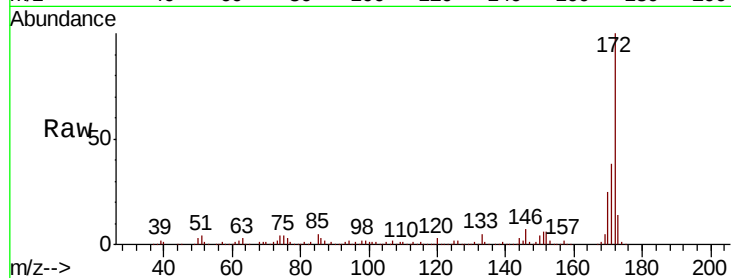




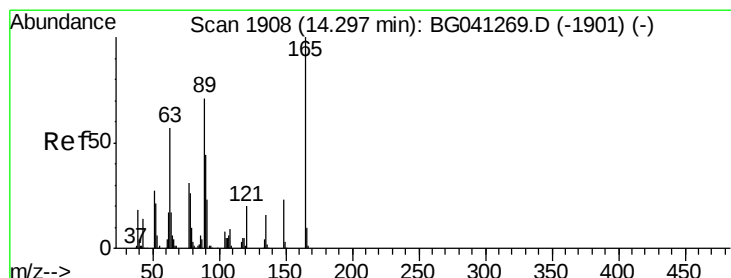
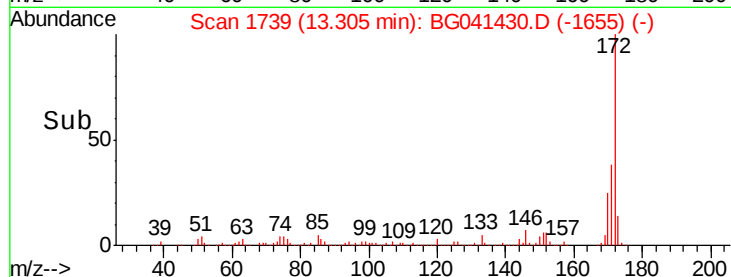
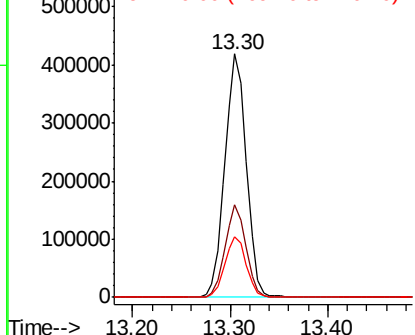
#45
2-Fluorobiphenyl
Concen: 93.171 ng
RT: 13.30 min Scan# 1739
Delta R.T. -0.03 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

Instrument :
BNA_G
ClientSampleId :
TWP-B-6

Tgt Ion:172 Resp: 639580
Ion Ratio Lower Upper
172 100
171 38.2 30.0 45.0
170 25.0 19.8 29.6

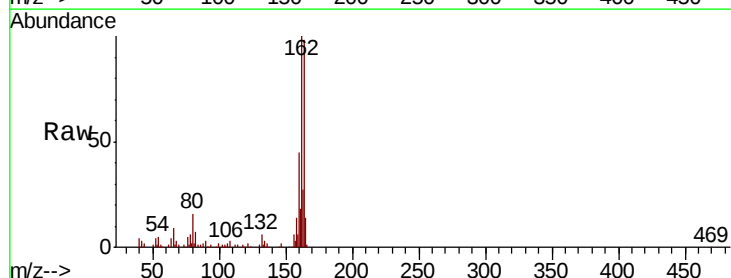


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

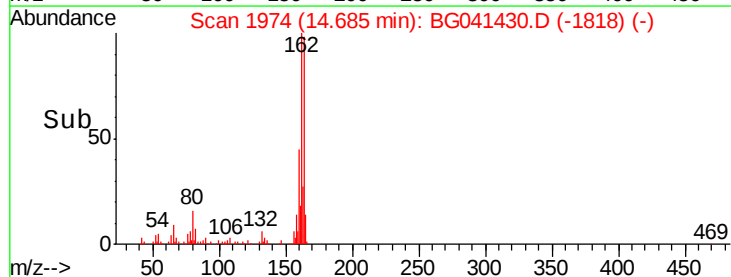
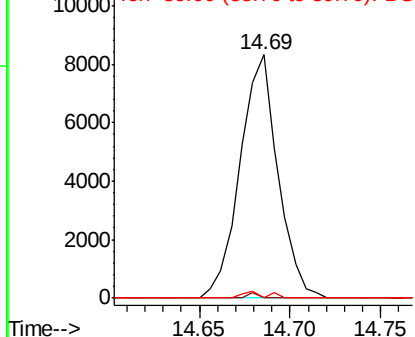


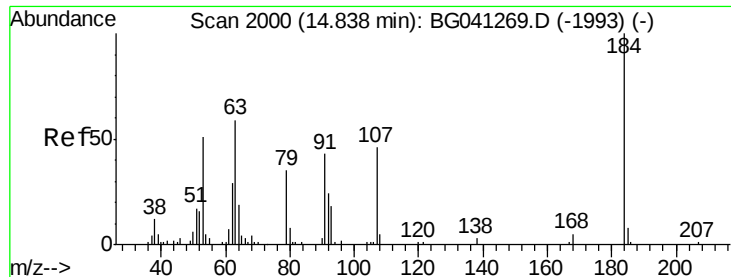
#51
2,6-Dinitrotoluene
Concen: 6.887 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.39 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

Tgt Ion:165 Resp: 12055
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.0#
89 0.0 56.5 84.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC





#54

2,4-Dinitrophenol

Concen: 4.886 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.23 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

Instrument :

BNA_G

ClientSampleId :

TWP-B-6

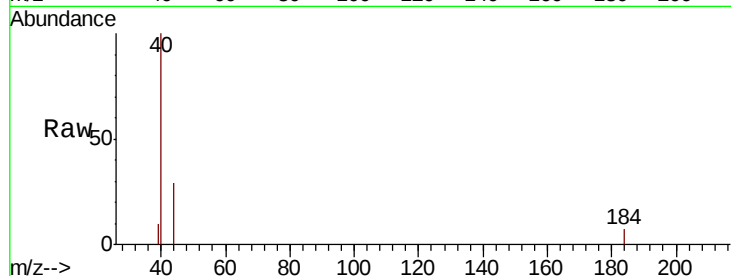
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 60.0 90.0#

154 0.0 58.3 87.5#

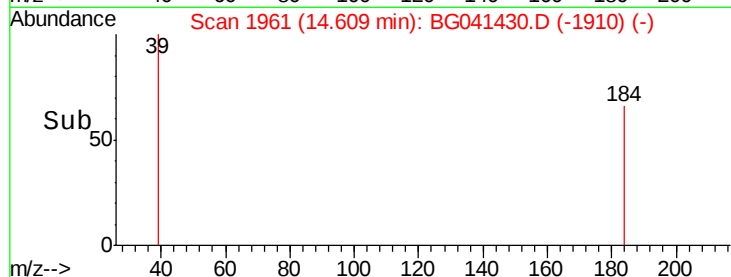


Abundance Ion 184.00 (183.70 to 184.70): E

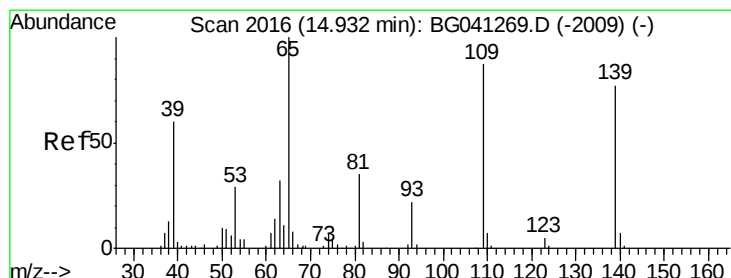
Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

14.61



Time-->



#56

4-Nitrophenol

Concen: 3.261 ng

RT: 14.97 min Scan# 2022

Delta R.T. 0.04 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

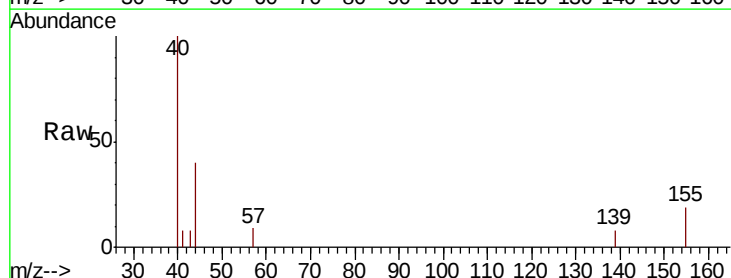
Tgt Ion:139 Resp: 62

Ion Ratio Lower Upper

139 100

109 0.0 93.2 133.2#

65 0.0 110.2 150.2#

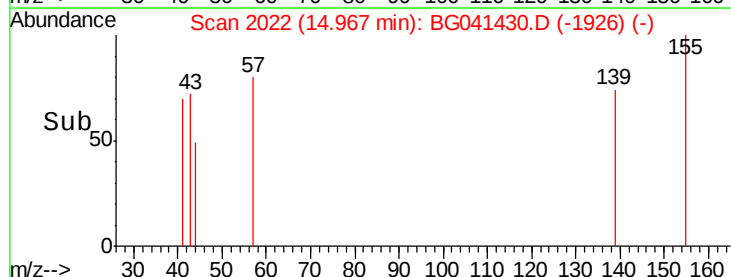


Abundance Ion 139.00 (138.70 to 139.70): E

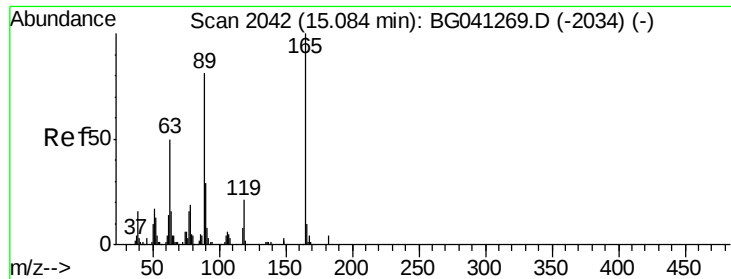
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

14.97



Time-->



#57

2,4-Dinitrotoluene

Concen: 4.711 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.40 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

Instrument :

BNA_G

ClientSampleId :

TWP-B-6

Tgt Ion:165 Resp: 12055

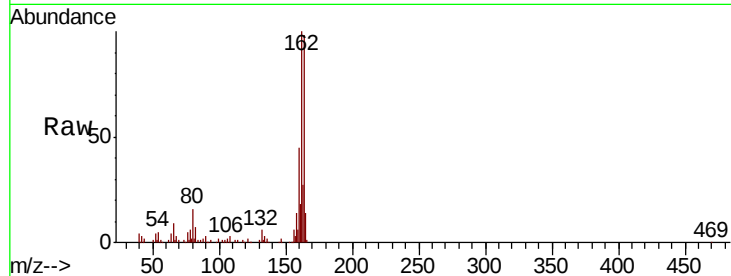
Ion Ratio Lower Upper

165 100

63 0.0 40.0 60.0#

89 0.0 64.6 96.8#

182 0.0 2.9 4.3#

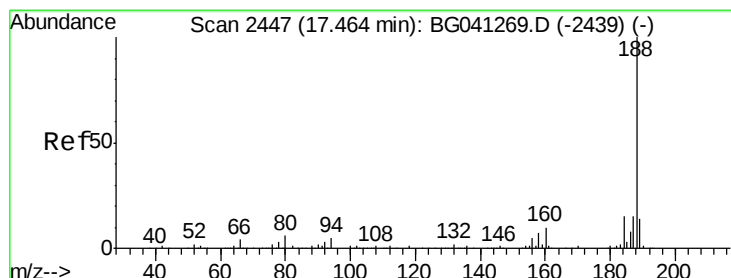
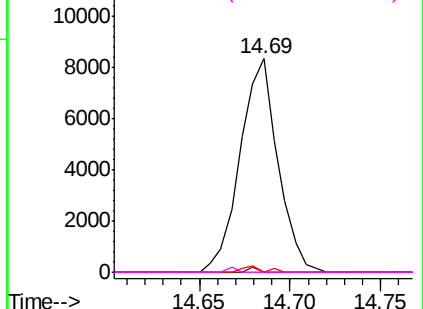
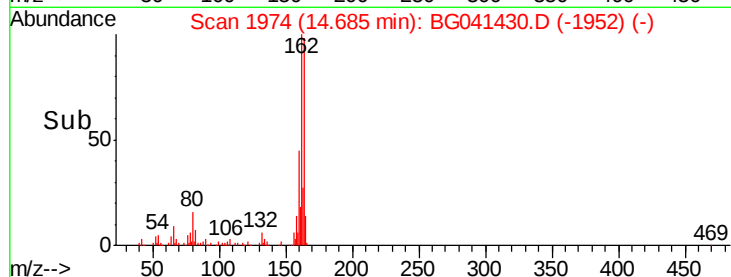


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.03 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

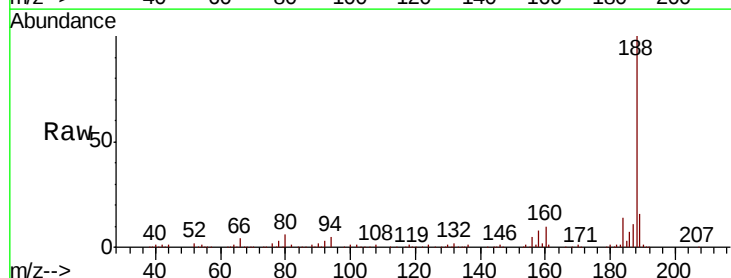
Tgt Ion:188 Resp: 233302

Ion Ratio Lower Upper

188 100

94 4.6 3.6 5.4

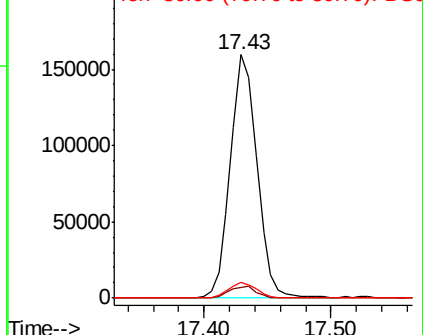
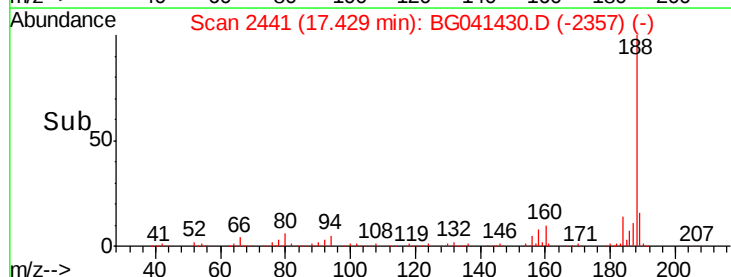
80 6.3 4.8 7.2

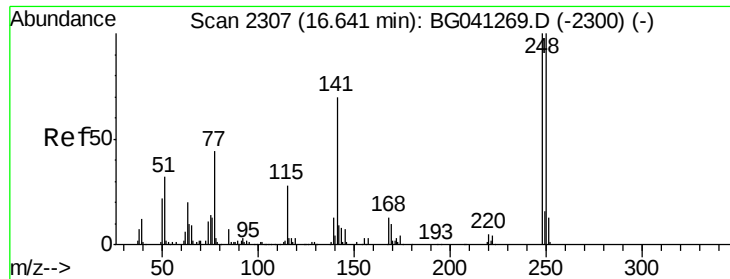


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

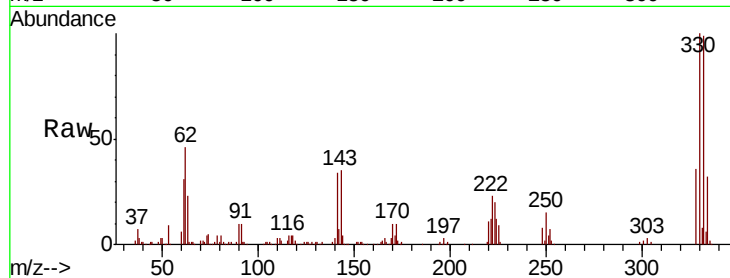




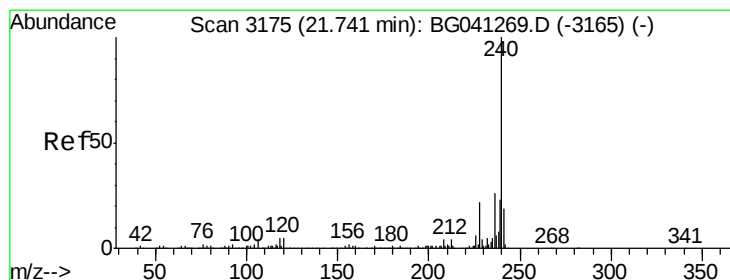
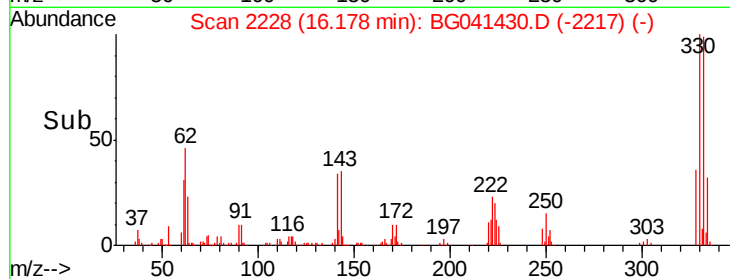
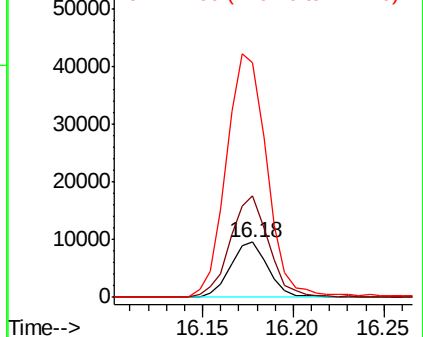
#67
4-Bromophenyl-phenylether
Concen: 4.575 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.46 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

Instrument :
BNA_G
ClientSampleId :
TWP-B-6

Tgt Ion:248 Resp: 13801
Ion Ratio Lower Upper
248 100
250 185.3 79.8 119.8#
141 425.9 55.8 83.6#

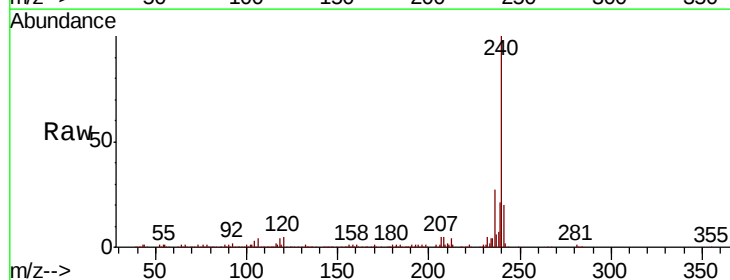


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

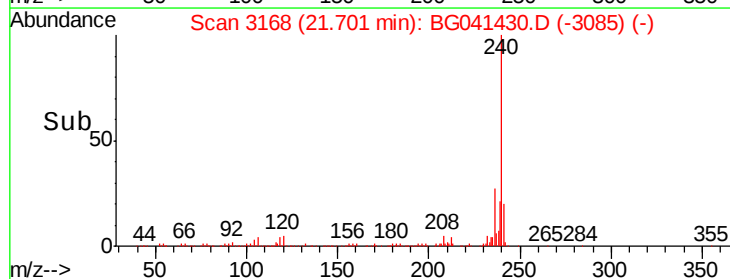
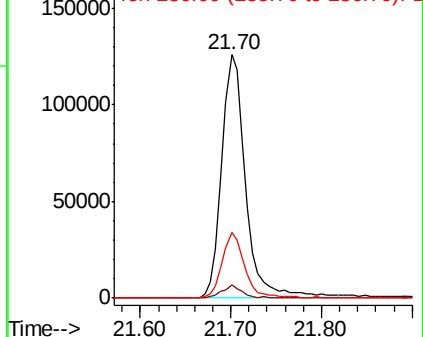


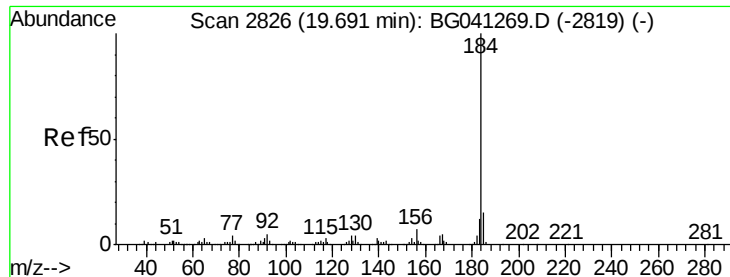
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041430.D
Acq: 24 Jun 2019 20:36

Tgt Ion:240 Resp: 231114
Ion Ratio Lower Upper
240 100
120 5.3 3.7 5.5
236 27.0 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.342 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.34 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

Instrument :

BNA_G

ClientSampleId :

TWP-B-6

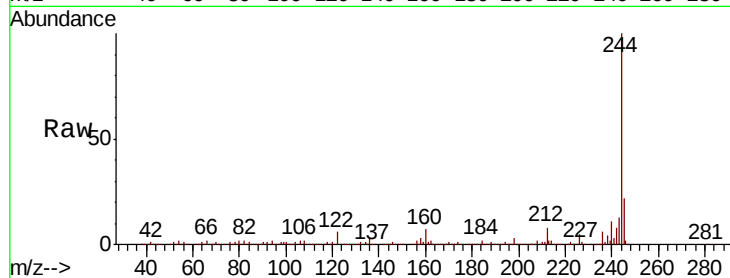
Tgt Ion:184 Resp: 18680

Ion Ratio Lower Upper

184 100

185 18.4 12.2 18.2#

183 12.9 9.6 14.4

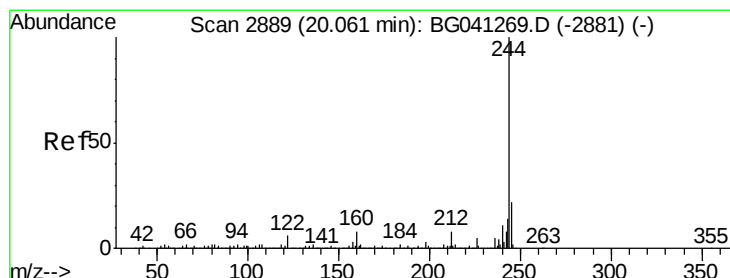
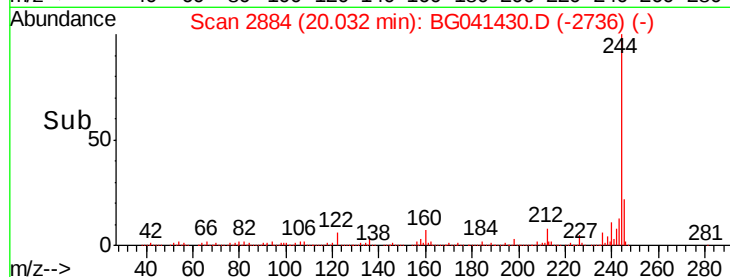
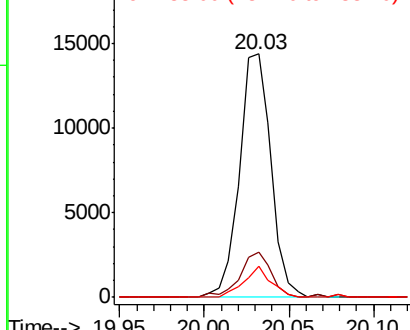


Abundance

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: 96.907 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

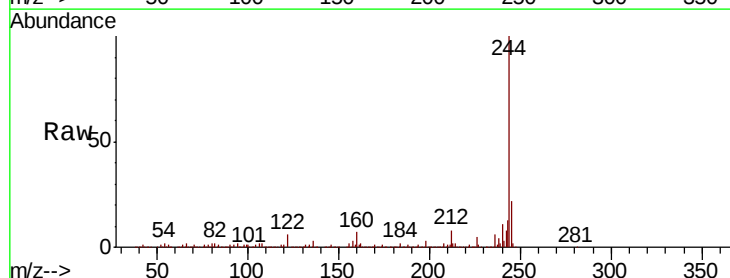
Tgt Ion:244 Resp: 1130110

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

122 6.1 5.0 7.4

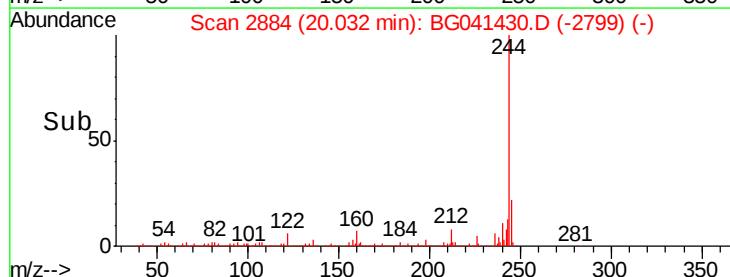
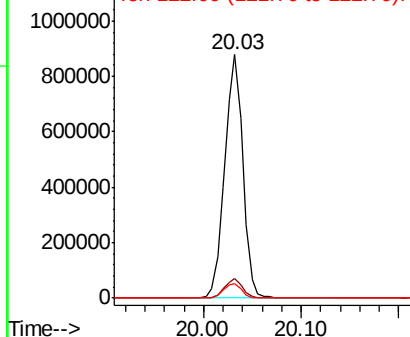


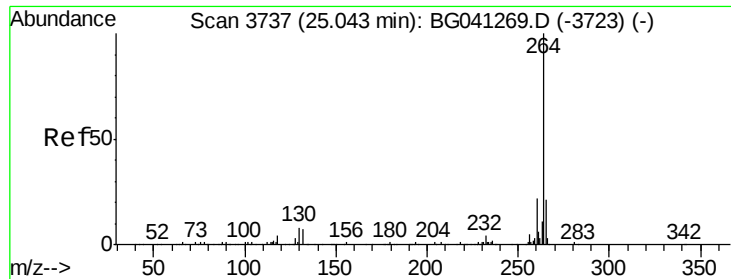
Abundance

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: 24.99 min Scan# 3728

Delta R.T. -0.05 min

Lab File: BG041430.D

Acq: 24 Jun 2019 20:36

Instrument :

BNA_G

ClientSampleId :

TWP-B-6

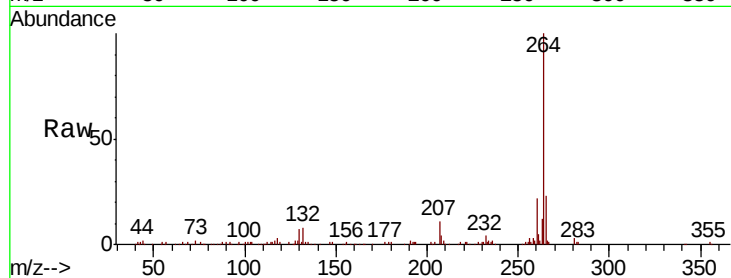
Tgt Ion:264 Resp: 187693

Ion Ratio Lower Upper

264 100

260 22.0 17.4 26.2

265 23.4 17.2 25.8



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

