

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082619\
 Data File : BG042502.D
 Acq On : 26 Aug 2019 17:10
 Operator : HP/JU
 Sample : K4491-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WP-1

Quant Time: Aug 27 01:09:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

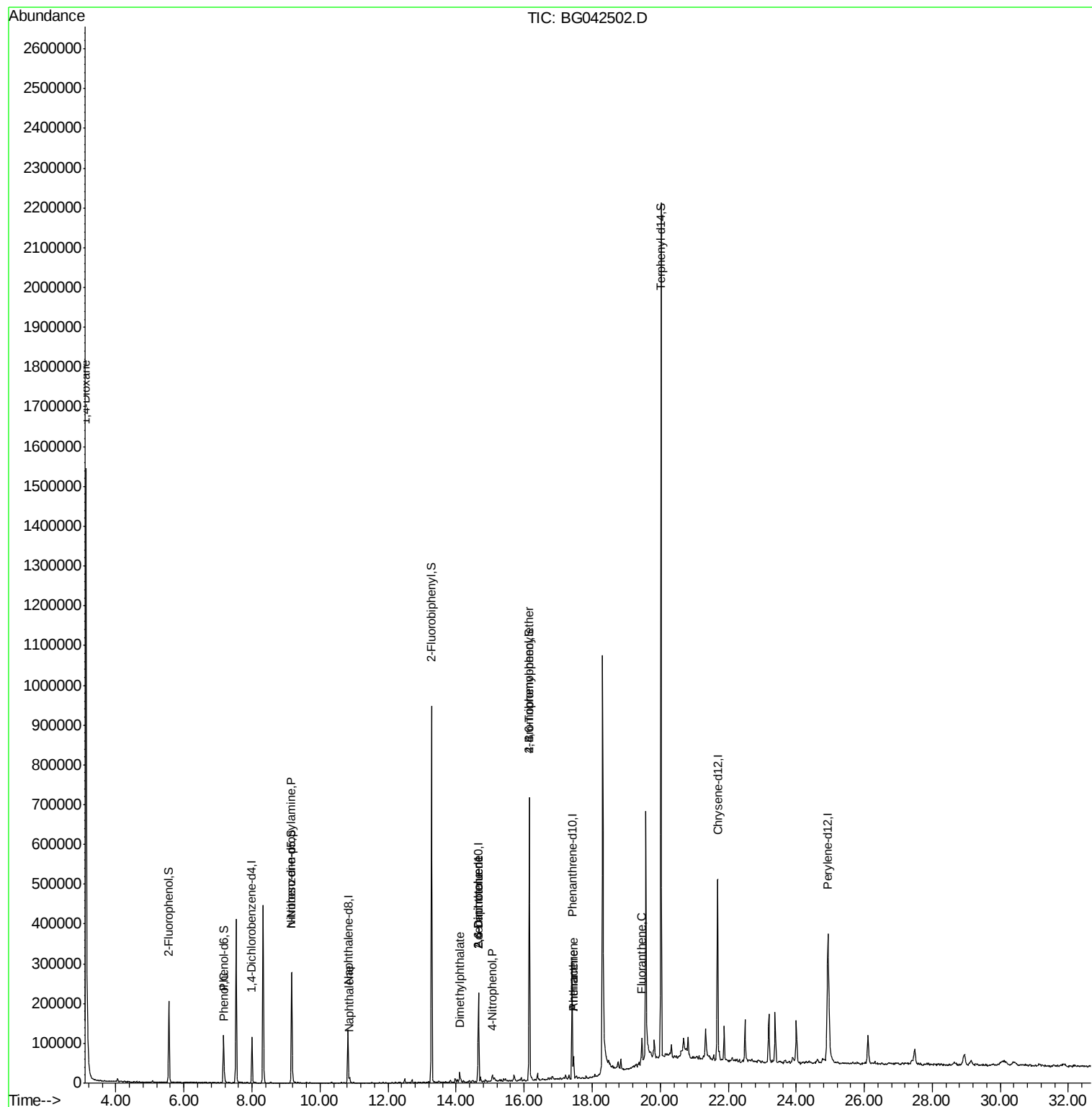
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	38280	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	133138	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	86800	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	194812	20.00	ng	0.00
76) Chrysene-d12	21.68	240	283450	20.00	ng	-0.01
87) Perylene-d12	24.93	264	348407	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	114265	60.45	ng	0.00
7) Phenol-d6	7.17	99	88471	34.65	ng	0.00
23) Nitrobenzene-d5	9.16	82	188895	98.04	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	172218	139.59	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	550594	107.28	ng	0.00
79) Terphenyl-d14	20.02	244	1106988	84.43	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.12	88	17719	22.464	ng	Qvalue
10) Phenol	7.19	94	5632	2.170	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	23946	14.477	ng	# 87
31) Naphthalene	10.87	128	13757	2.226	ng	# 74
50) Dimethylphthalate	14.10	163	20474	3.269	ng	# 99
51) 2,6-Dinitrotoluene	14.66	165	11596	7.988	ng	# 99
56) 4-Nitrophenol	15.06	139	2254	2.185	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	11596	5.578	ng	# 22
67) 4-Bromophenyl-phenylether	16.15	248	12140	4.913	ng	# 38
71) Phenanthrene	17.45	178	37979	3.925	ng	# 1
72) Anthracene	17.45	178	37979	3.932	ng	# 98
75) Fluoranthene	19.46	202	30455	2.579	ng	# 98

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

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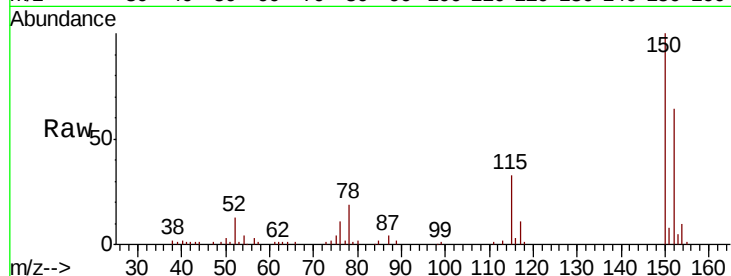


#1

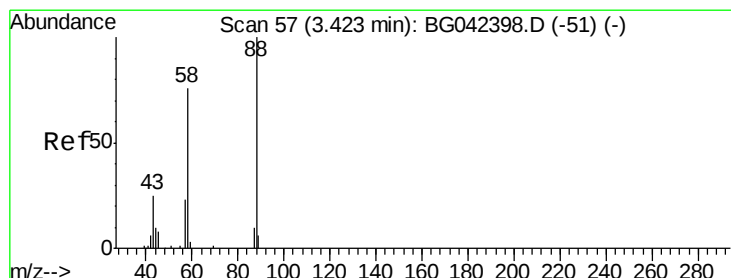
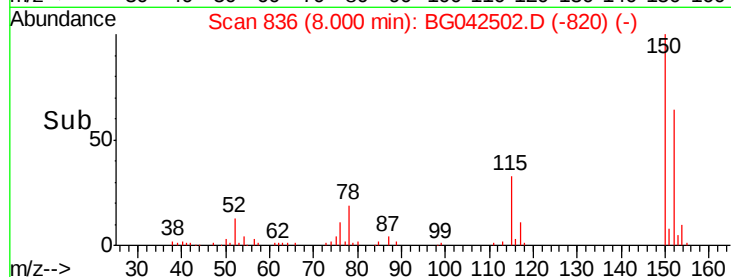
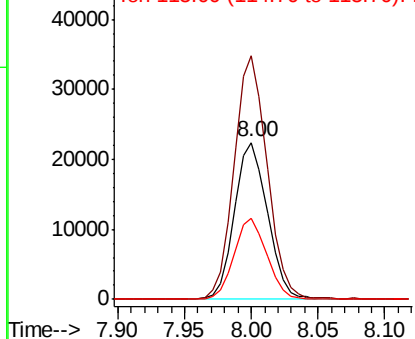
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

Instrument :
BNA_G
ClientSampleId :
WP-1

Tgt Ion:152 Resp: 38280
Ion Ratio Lower Upper
152 100
150 155.5 125.4 188.0
115 51.4 38.5 57.7



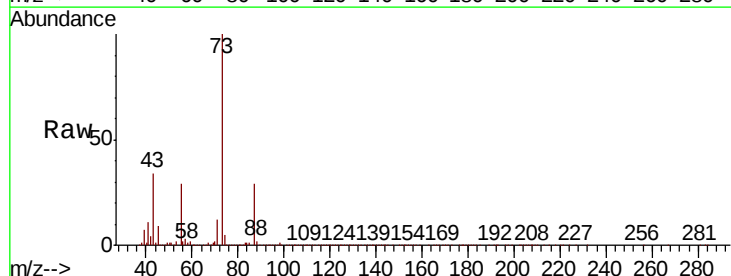
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



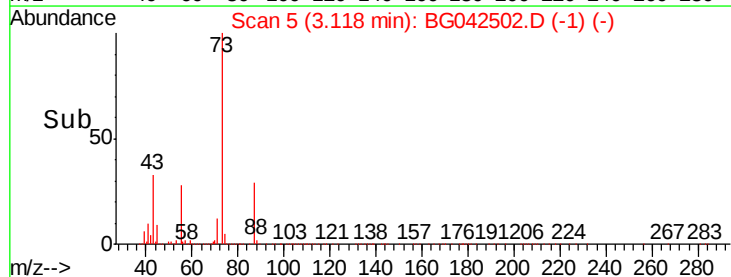
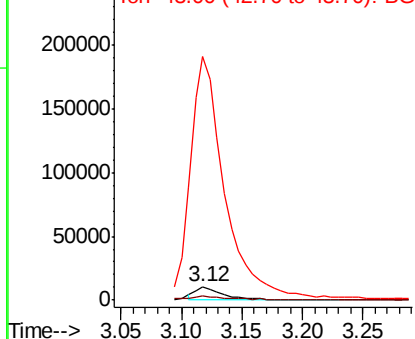
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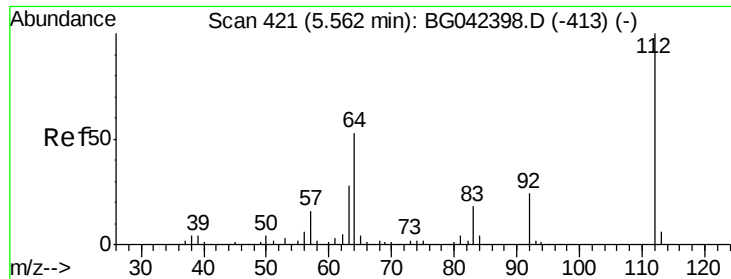
1,4-Dioxane
Concen: 22.464 ng
RT: 3.12 min Scan# 5
Delta R.T. -0.31 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

Tgt Ion: 88 Resp: 17719
Ion Ratio Lower Upper
88 100
58 29.3 58.3 87.5#
43 1843.5 20.2 30.2#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC

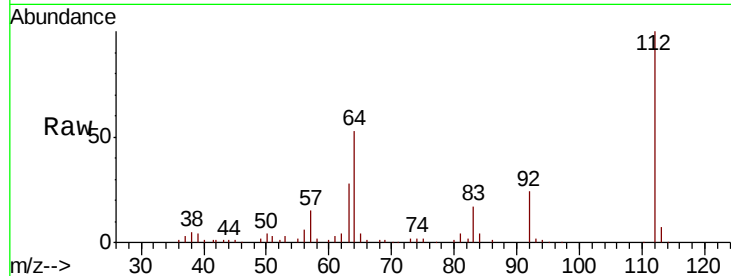




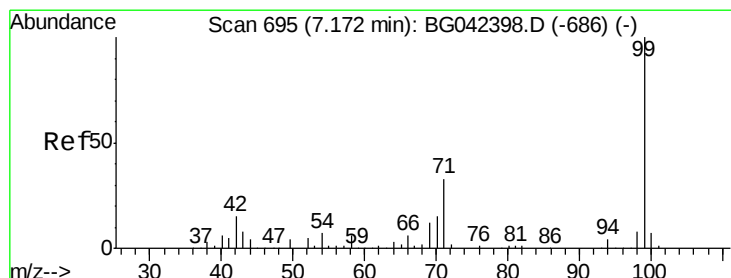
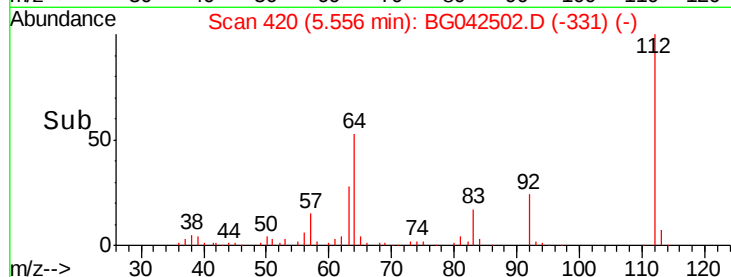
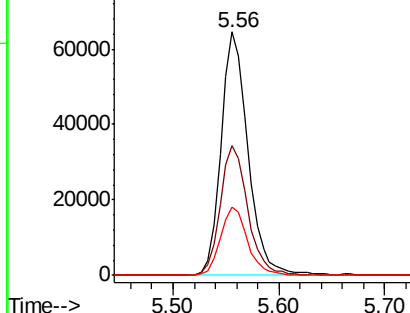
#5
2-Fluorophenol
Concen: 60.455 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

Instrument :
BNA_G
ClientSampled :
WP-1

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	42.8	64.2
63	28.3	22.7	34.1

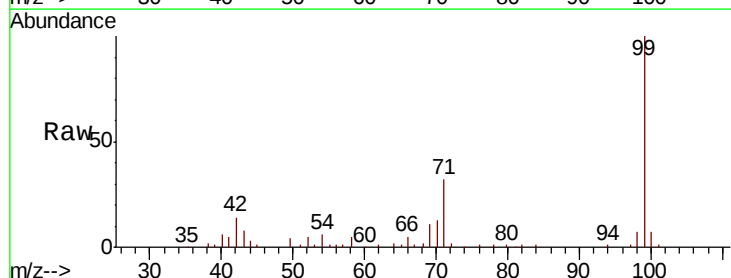


Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC

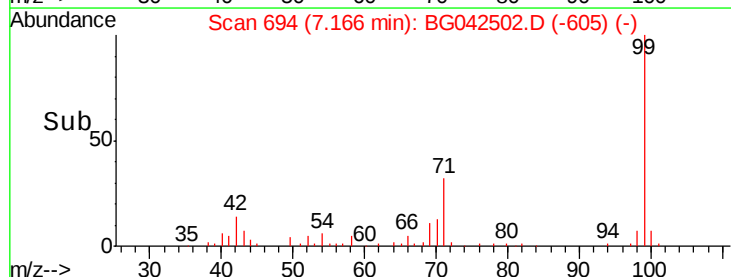
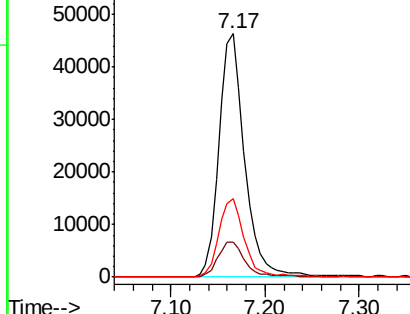


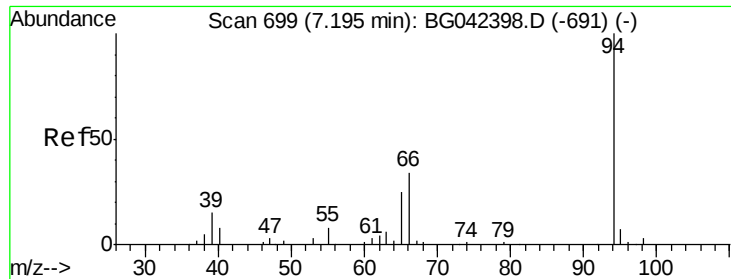
#7
Phenol-d6
Concen: 34.652 ng
RT: 7.17 min Scan# 694
Delta R.T. -0.01 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

Tgt Ion	Ratio	Lower	Upper
99	100		
42	14.1	12.0	18.0
71	32.4	26.3	39.5



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





#10

Phenol

Concen: 2.170 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042502.D

Acq: 26 Aug 2019 17:10

Instrument :

BNA_G

ClientSampleId :

WP-1

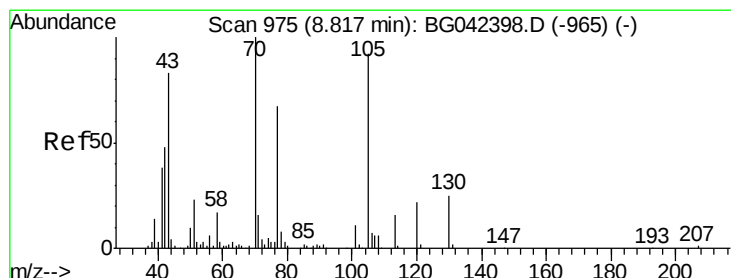
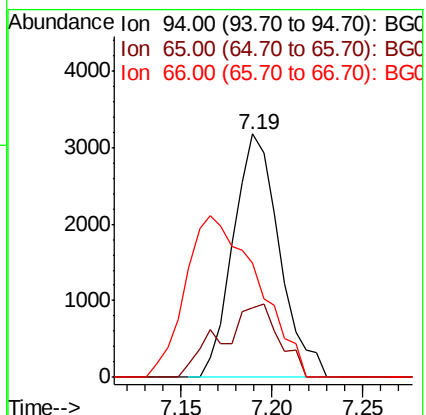
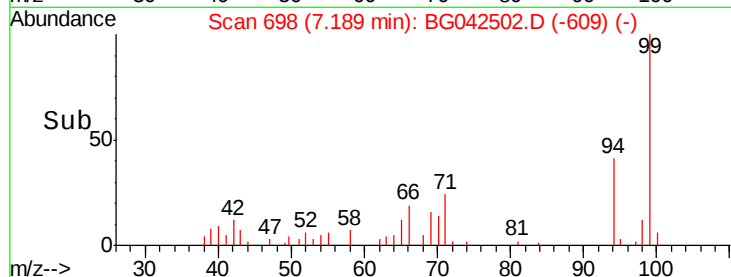
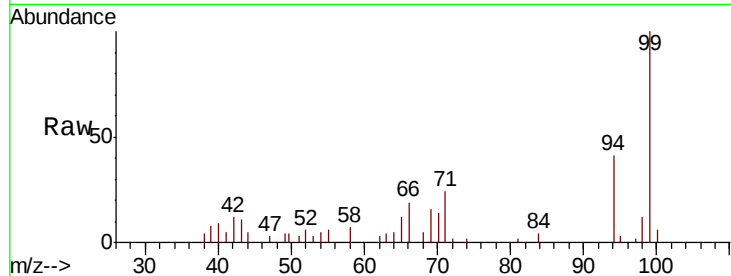
Tgt Ion: 94 Resp: 5632

Ion Ratio Lower Upper

94 100

65 28.5 5.6 45.6

66 46.7 16.0 56.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.477 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042502.D

Acq: 26 Aug 2019 17:10

Tgt Ion: 70 Resp: 23946

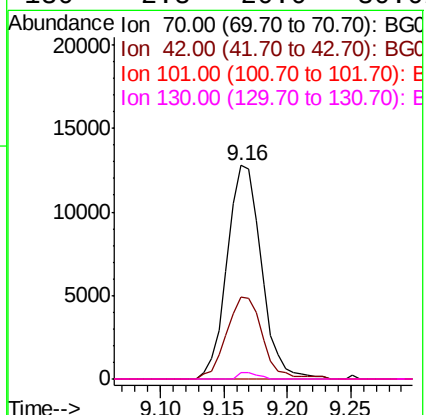
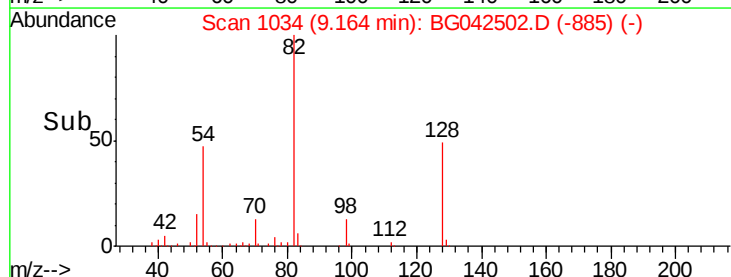
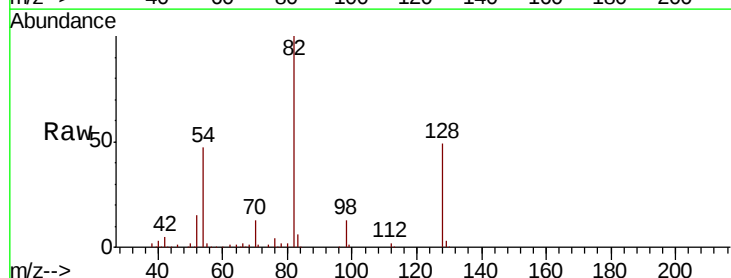
Ion Ratio Lower Upper

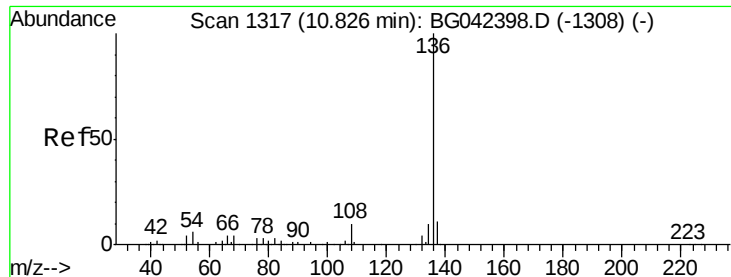
70 100

42 38.1 38.8 58.2#

101 0.0 9.0 13.6#

130 2.8 20.0 30.0#

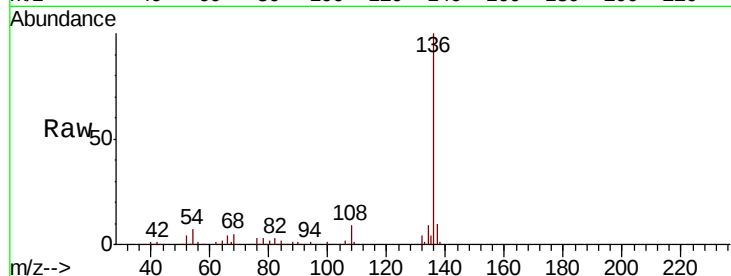




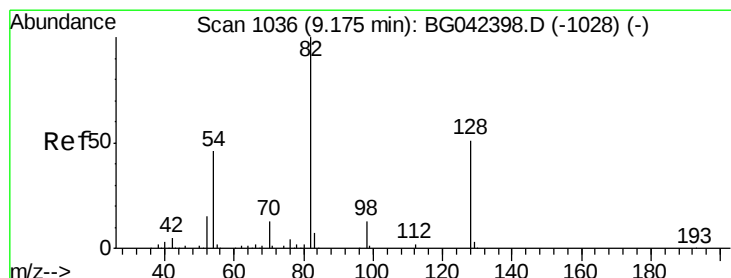
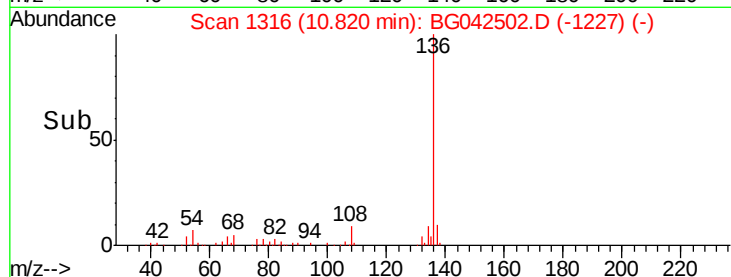
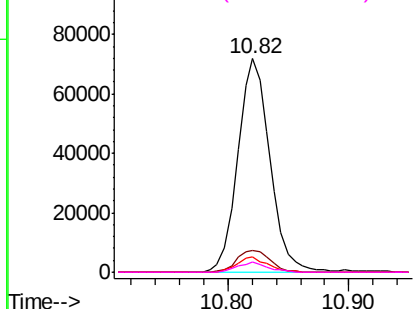
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

Instrument :
BNA_G
ClientSampleId :
WP-1

Tgt Ion:	136	Resp:	133138
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.7	13.1
54	6.9	4.9	7.3
68	4.5	3.6	5.4

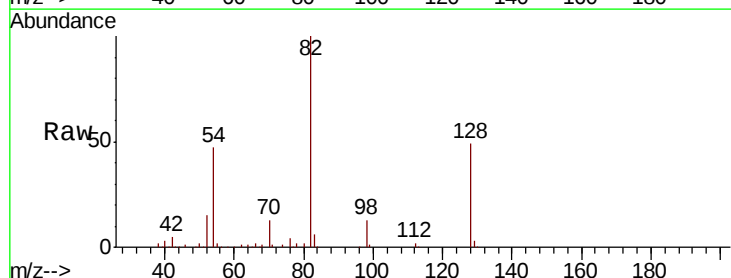


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

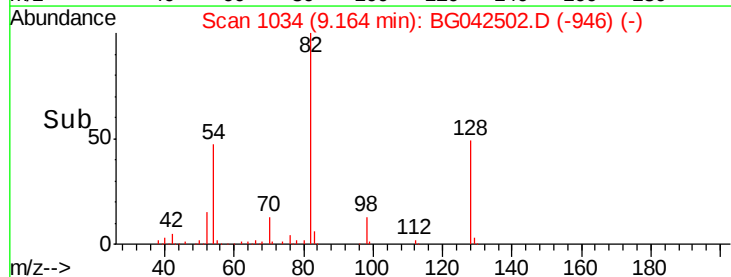
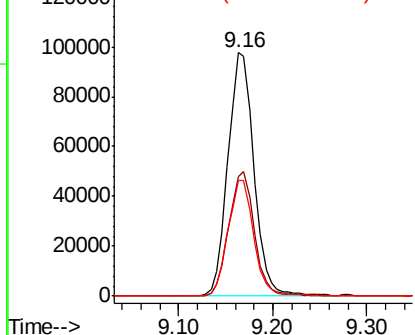


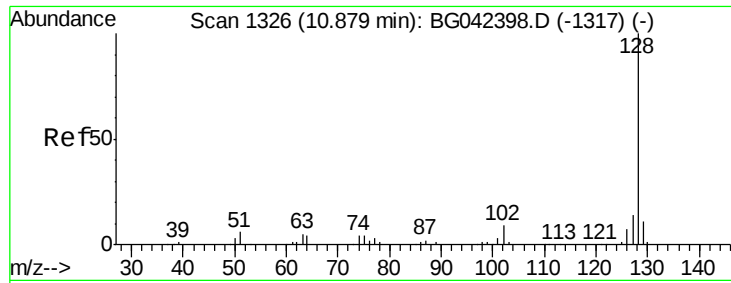
#23
Nitrobenzene-d5
Concen: 98.044 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

Tgt Ion:	82	Resp:	188895
Ion	Ratio	Lower	Upper
82	100		
128	49.1	40.7	61.1
54	47.5	36.3	54.5



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

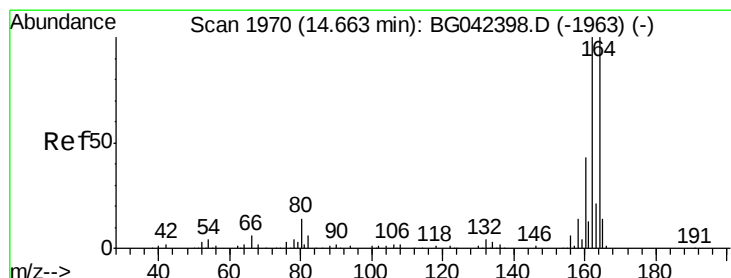
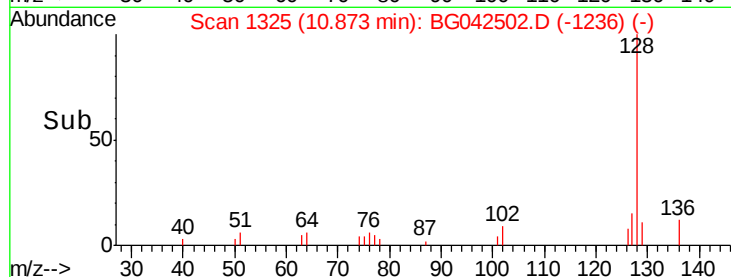
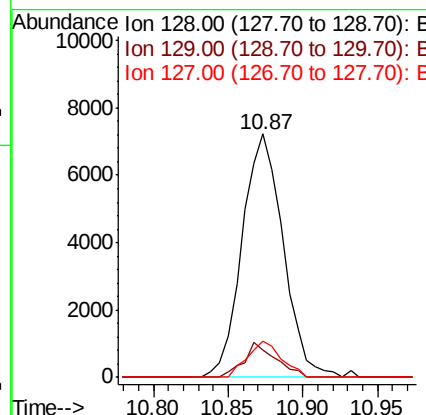
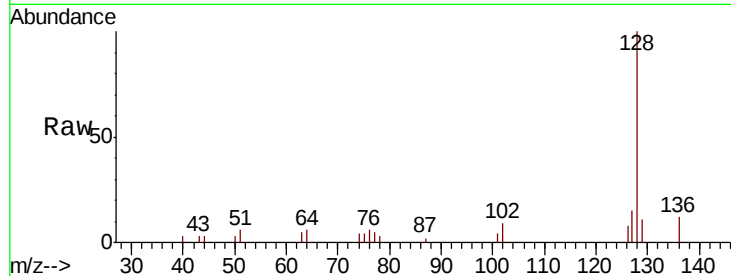




#31
Naphthalene
Concen: 2.226 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

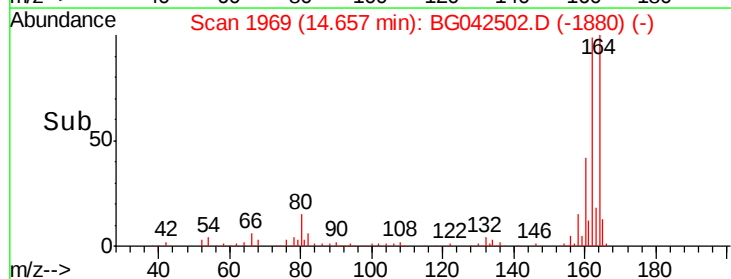
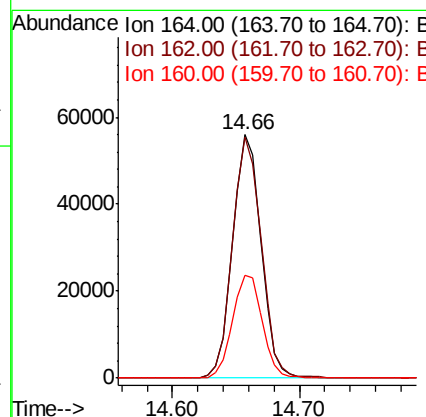
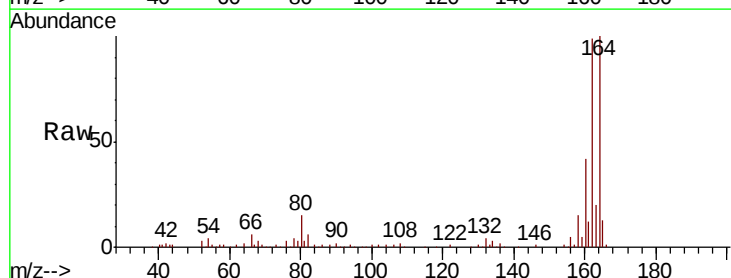
Instrument :
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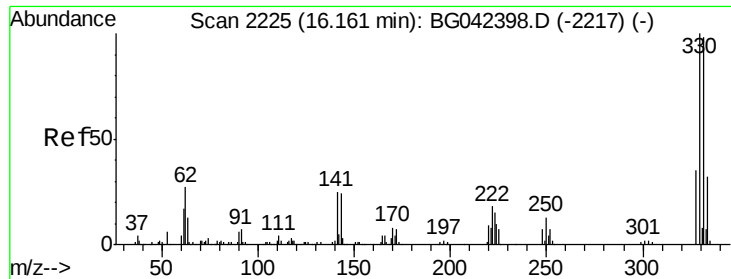
Tgt Ion:128 Resp: 13757
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 14.8 11.4 17.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

Tgt Ion:164 Resp: 86800
Ion Ratio Lower Upper
164 100
162 99.2 79.9 119.9
160 42.1 34.3 51.5

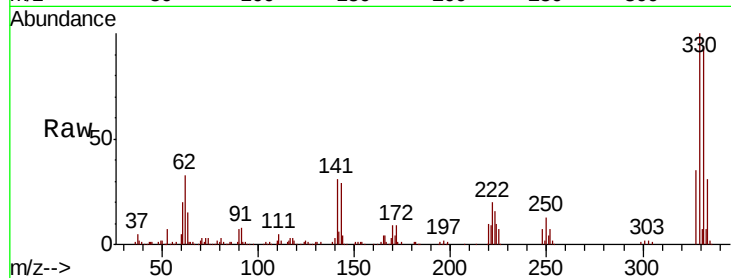




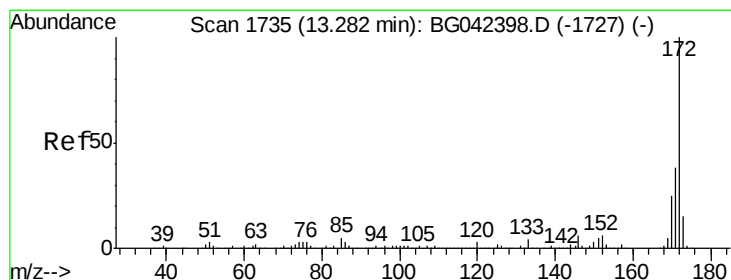
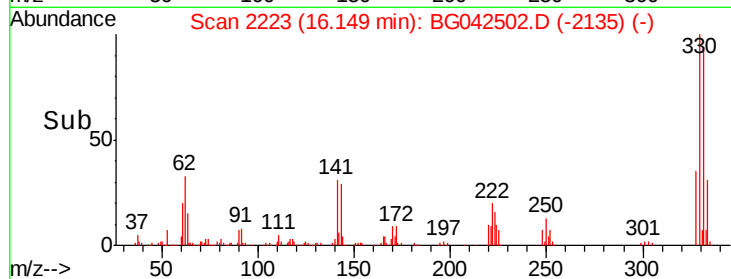
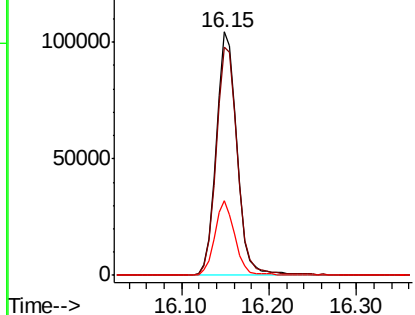
#42
 2,4,6-Tribromophenol
 Concen: 139.592 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042502.D
 Acq: 26 Aug 2019 17:10

Instrument :
 BNA_G
 ClientSampleId :
 WP-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	29.8	21.4	32.0

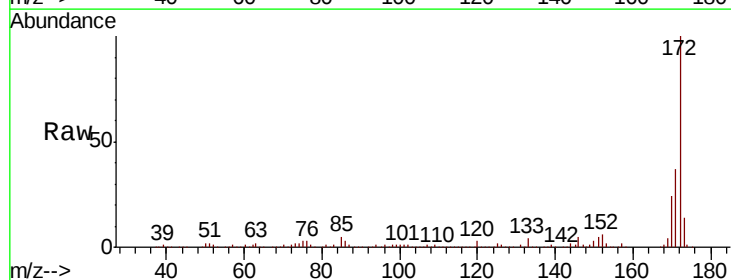


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

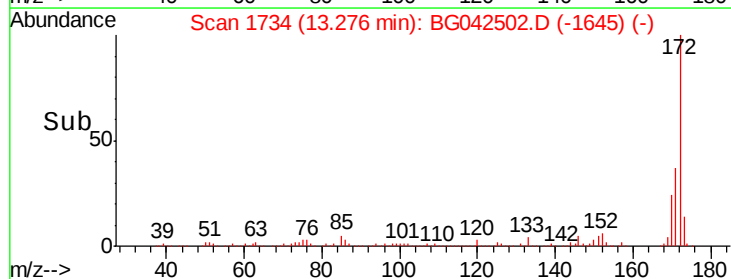
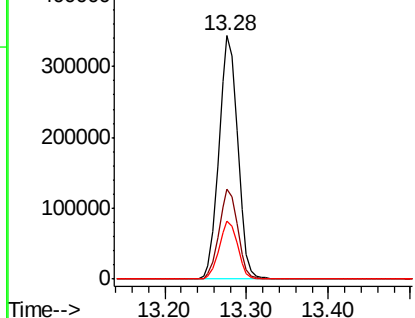


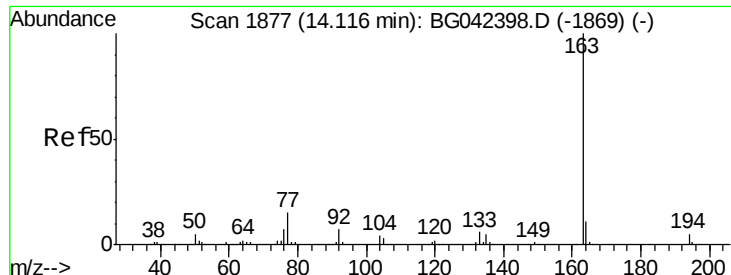
#45
 2-Fluorobiphenyl
 Concen: 107.282 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042502.D
 Acq: 26 Aug 2019 17:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.5	45.7
170	24.0	20.2	30.2



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





#50

Dimethylphthalate

Concen: 3.269 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042502.D

Acq: 26 Aug 2019 17:10

Instrument :

BNA_G

ClientSampleId :

WP-1

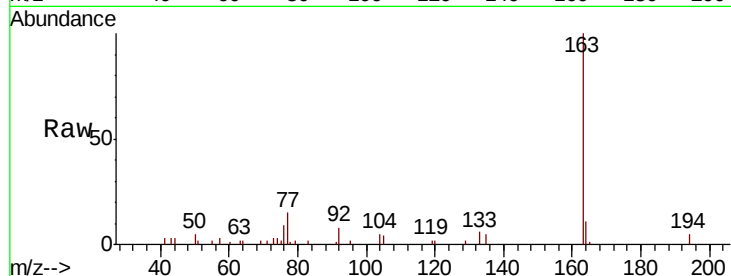
Tgt Ion:163 Resp: 20474

Ion Ratio Lower Upper

163 100

194 5.3 4.2 6.2

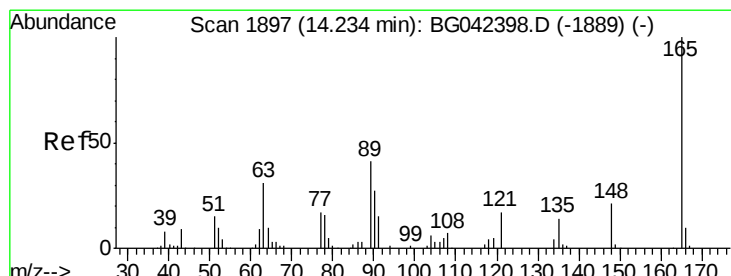
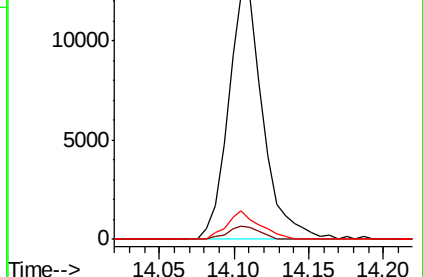
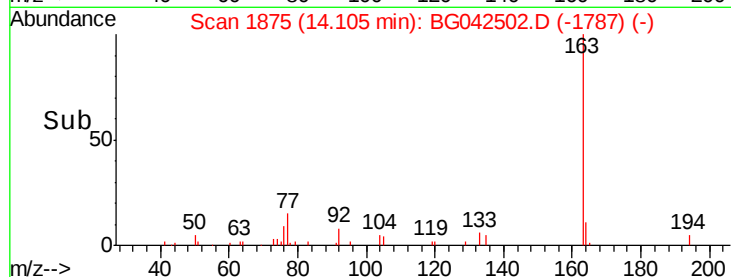
164 11.5 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.988 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042502.D

Acq: 26 Aug 2019 17:10

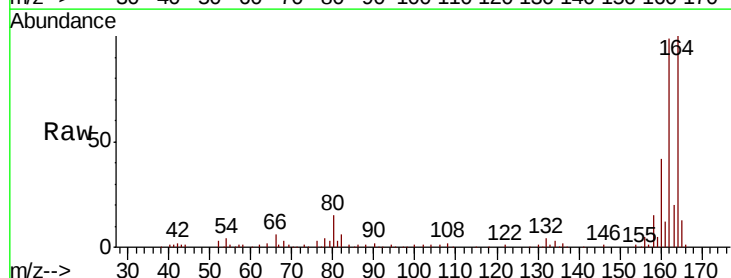
Tgt Ion:165 Resp: 11596

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

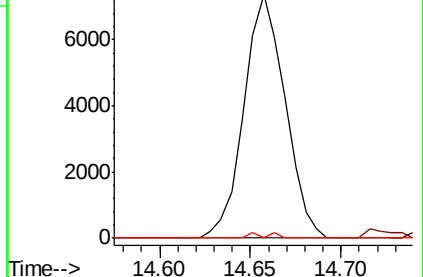
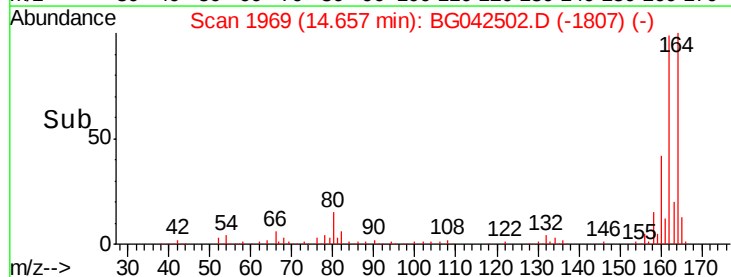
89 0.0 32.6 49.0#

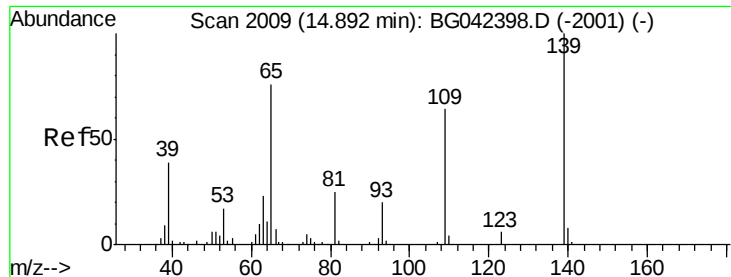


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

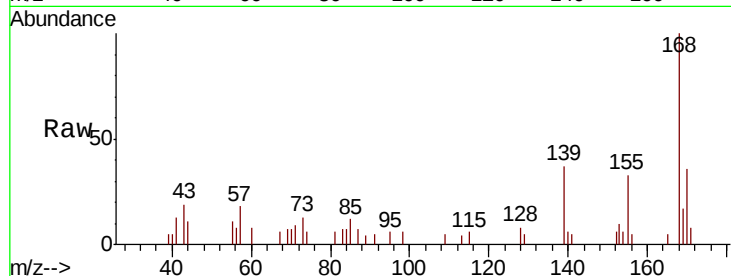




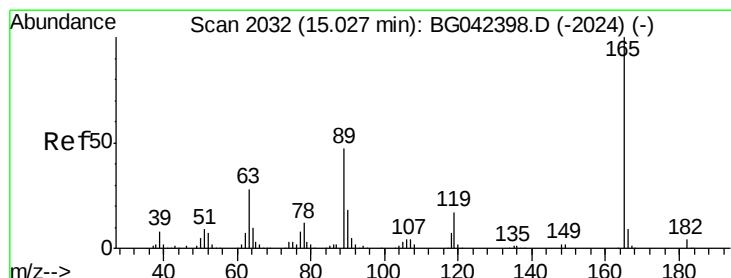
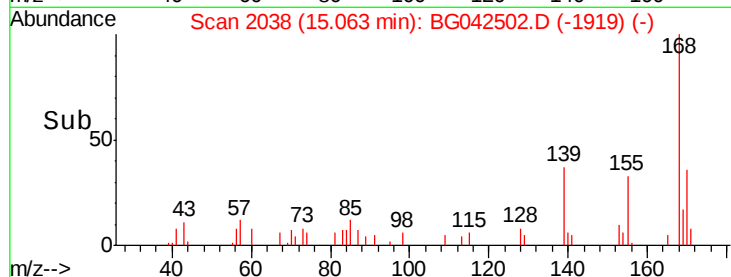
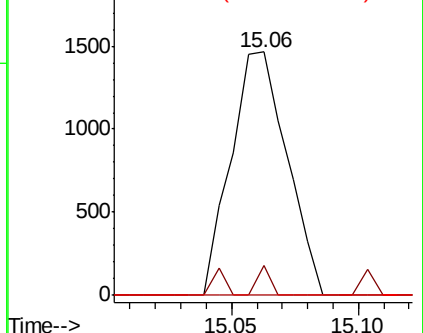
#56
4-Nitrophenol
Concen: 2.185 ng
RT: 15.06 min Scan# 2038
Delta R.T. 0.17 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

Instrument :
BNA_G
ClientSampleId :
WP-1

Tgt Ion:139 Resp: 2254
Ion Ratio Lower Upper
139 100
109 12.4 43.9 83.9#
65 0.0 56.3 96.3#

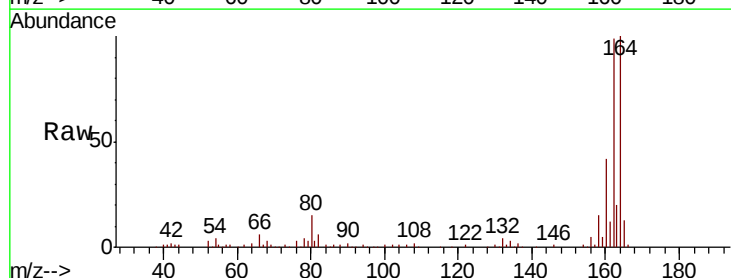


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

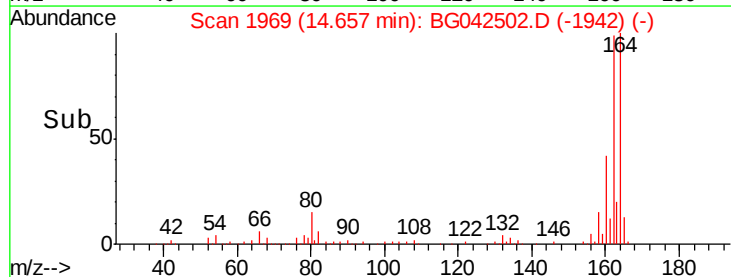
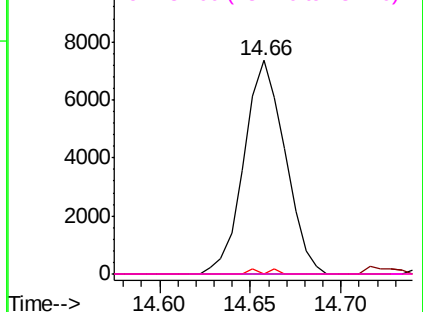


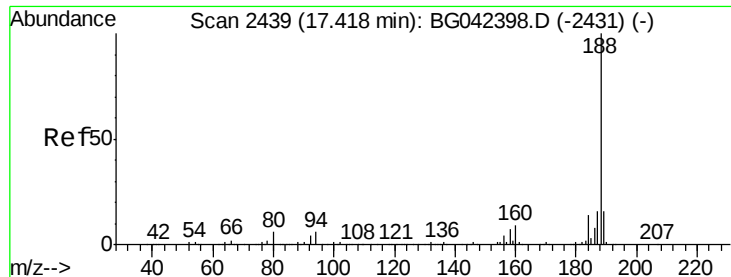
#57
2,4-Dinitrotoluene
Concen: 5.578 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.37 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

Tgt Ion:165 Resp: 11596
Ion Ratio Lower Upper
165 100
63 0.0 22.5 33.7#
89 0.0 37.8 56.6#
182 0.0 3.0 4.4#



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: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042502.D

Acq: 26 Aug 2019 17:10

Instrument :

BNA_G

ClientSampleId :

WP-1

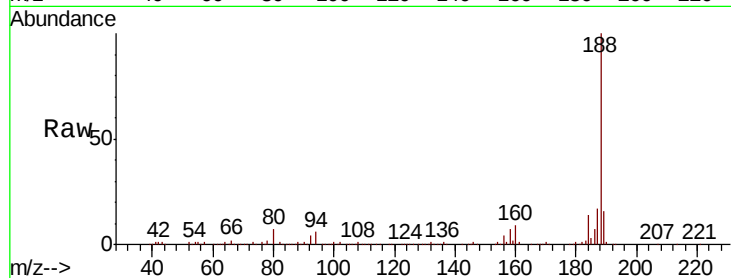
Tgt Ion:188 Resp: 194812

Ion Ratio Lower Upper

188 100

94 6.2 4.5 6.7

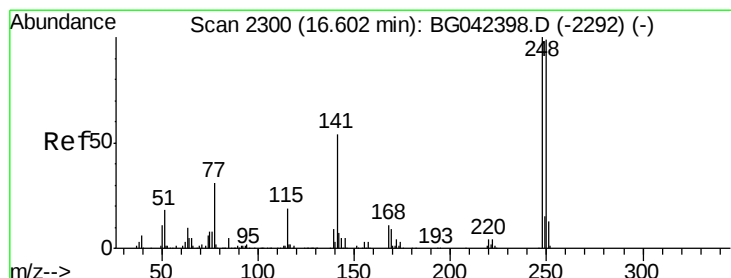
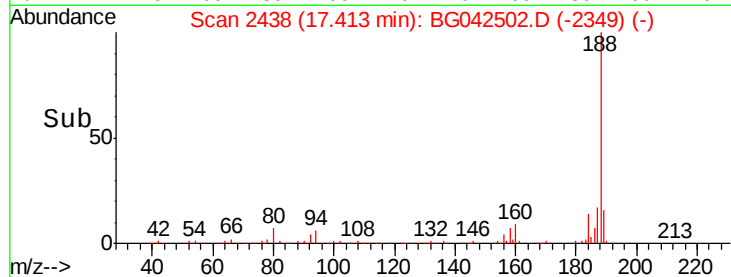
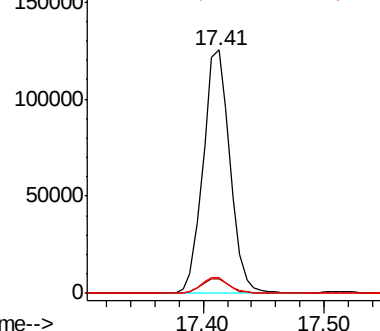
80 6.6 4.9 7.3



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: 4.913 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042502.D

Acq: 26 Aug 2019 17:10

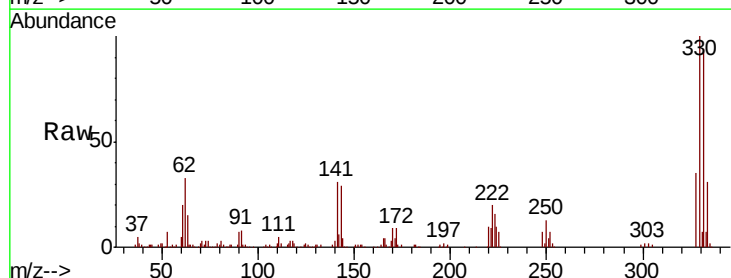
Tgt Ion:248 Resp: 12140

Ion Ratio Lower Upper

248 100

250 190.3 78.9 118.3#

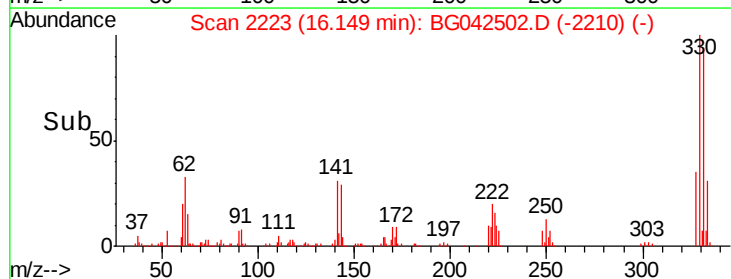
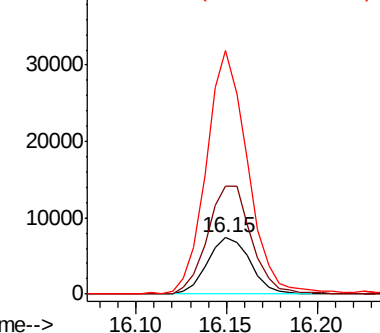
141 431.4 43.3 64.9#

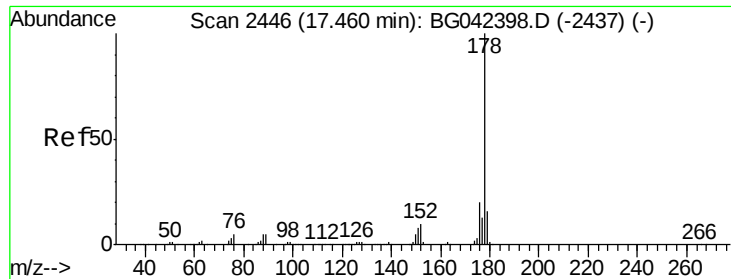


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

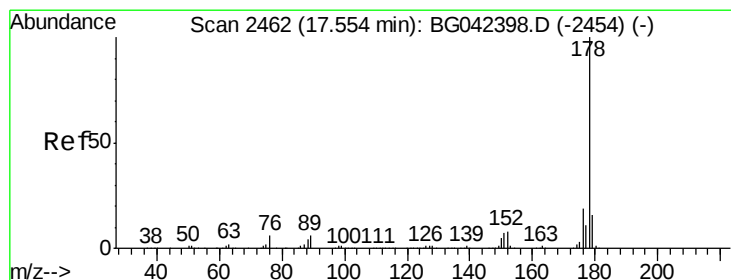
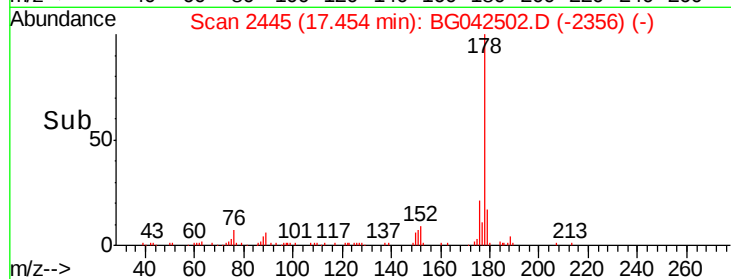
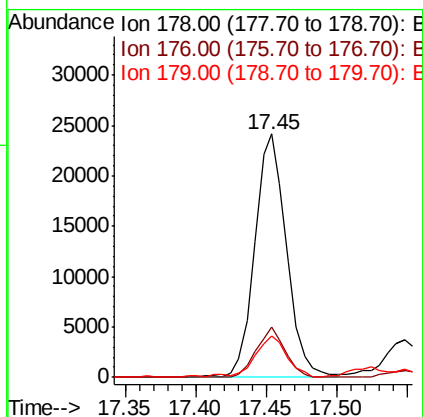
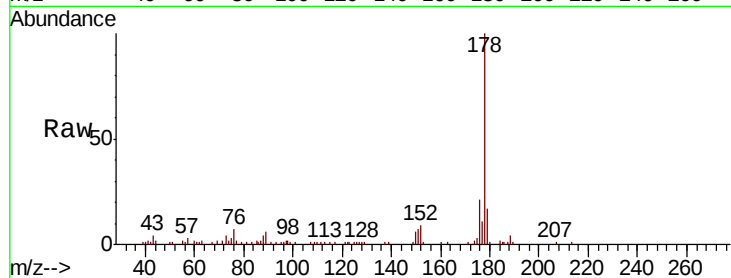




#71
Phenanthrene
Concen: 3.925 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

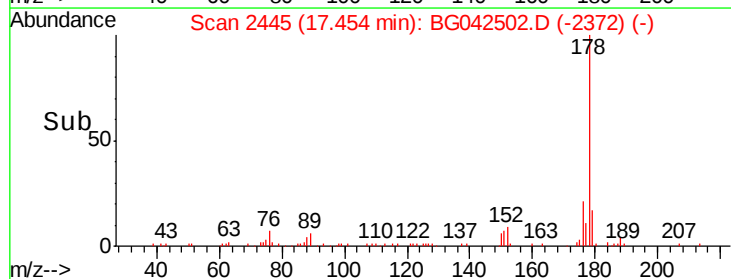
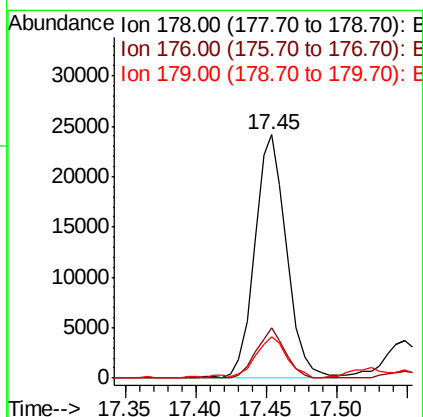
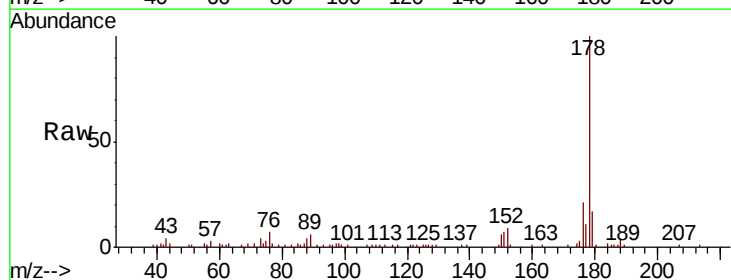
Instrument :
BNA_G
ClientSampleId :
WP-1

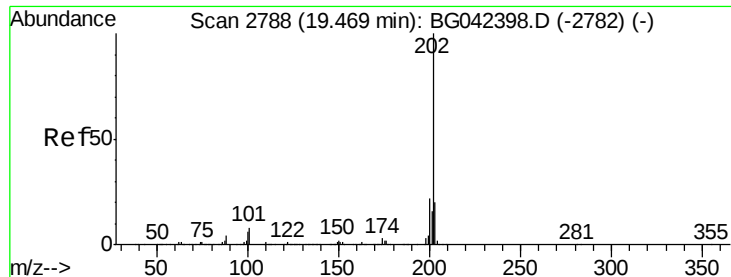
Tgt Ion:178 Resp: 37979
Ion Ratio Lower Upper
178 100
176 20.5 15.9 23.9
179 16.8 12.7 19.1



#72
Anthracene
Concen: 3.932 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.10 min
Lab File: BG042502.D
Acq: 26 Aug 2019 17:10

Tgt Ion:178 Resp: 37979
Ion Ratio Lower Upper
178 100
176 20.5 15.5 23.3
179 16.8 12.9 19.3





#75

Fluoranthene

Concen: 2.579 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042502.D

Acq: 26 Aug 2019 17:10

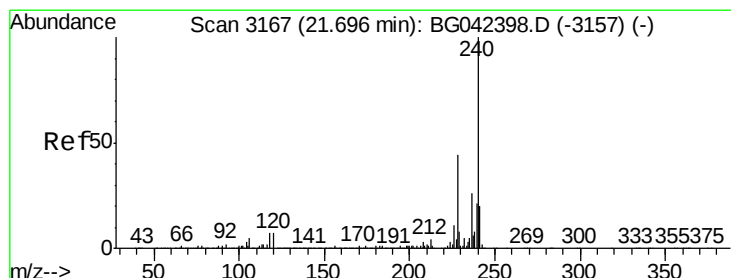
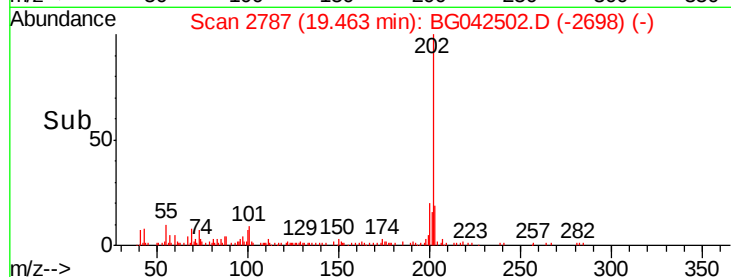
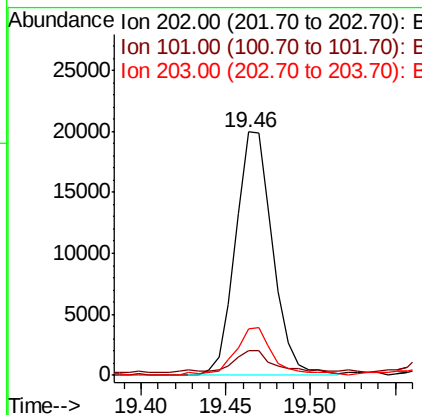
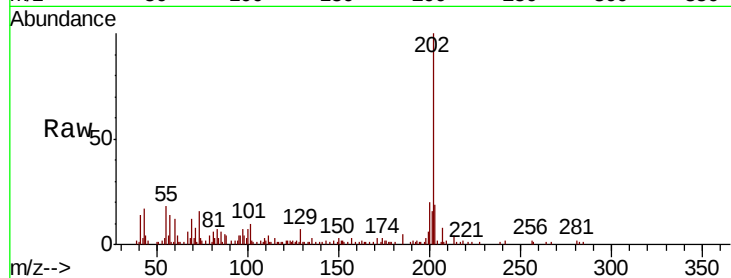
Instrument :

BNA_G

ClientSampleId :

WP-1

Tgt Ion:	202	Resp:	30455
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	28.3
203	19.3	0.0	39.6



#76

Chrysene-d12

Concen: 20.000 ng

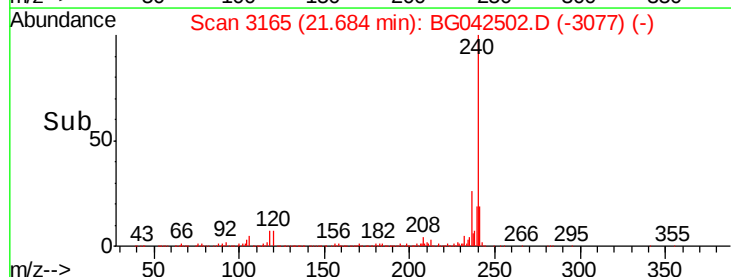
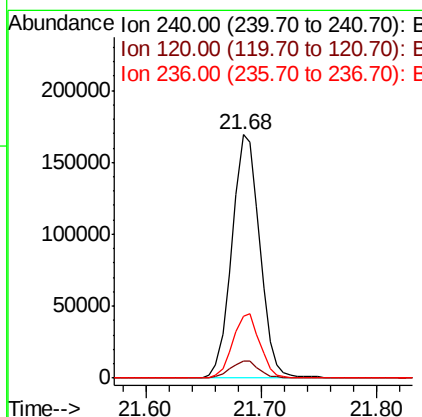
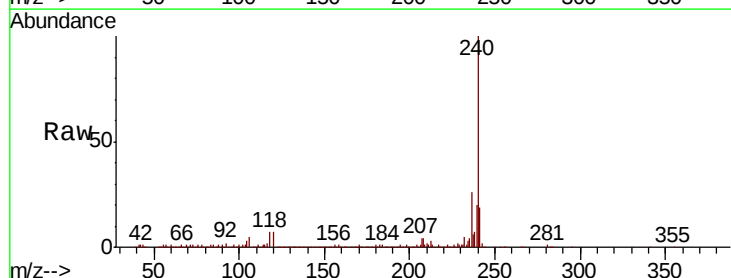
RT: 21.68 min Scan# 3165

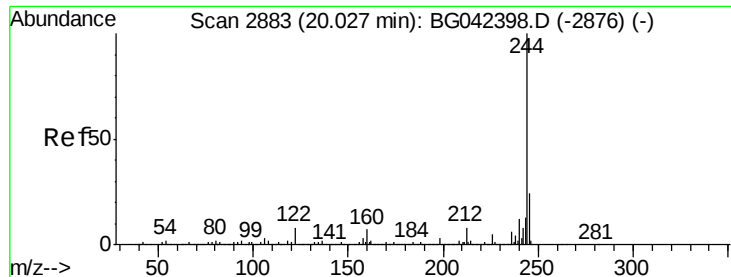
Delta R.T. -0.01 min

Lab File: BG042502.D

Acq: 26 Aug 2019 17:10

Tgt Ion:	240	Resp:	283450
Ion	Ratio	Lower	Upper
240	100		
120	7.2	5.7	8.5
236	25.6	21.0	31.4





#79

Terphenyl-d14

Concen: 84.432 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042502.D

Acq: 26 Aug 2019 17:10

Instrument :

BNA_G

ClientSampleId :

WP-1

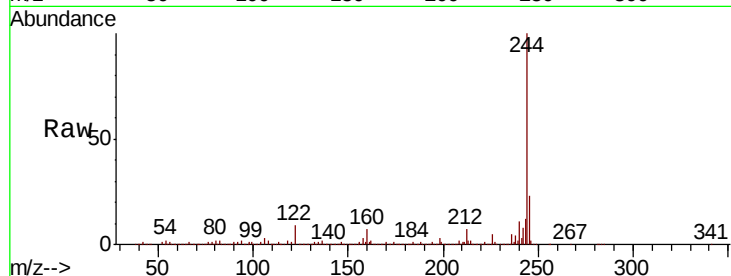
Tgt Ion:244 Resp: 1106988

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

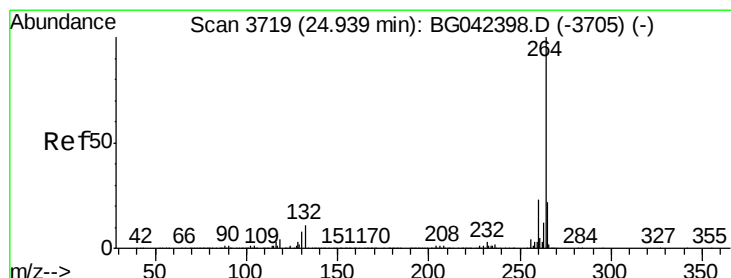
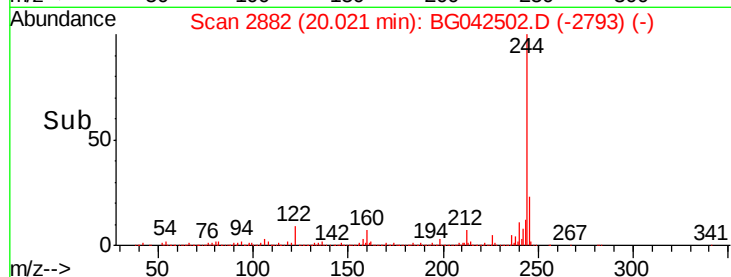
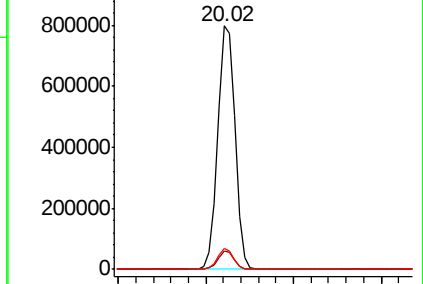
122 8.5 6.7 10.1



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: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042502.D

Acq: 26 Aug 2019 17:10

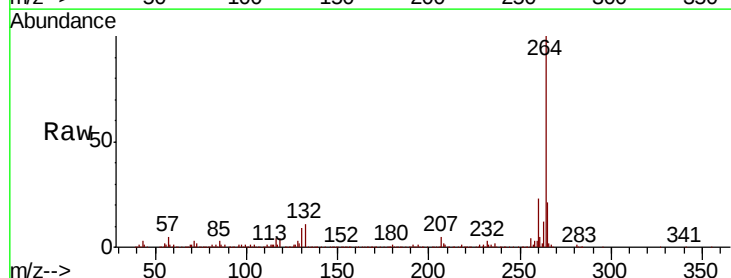
Tgt Ion:264 Resp: 348407

Ion Ratio Lower Upper

264 100

260 22.5 18.5 27.7

265 20.8 17.6 26.4



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

