

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042631.D
 Acq On : 31 Aug 2019 12:39
 Operator : HP/JU
 Sample : PB122684BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 31 18:12:25 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

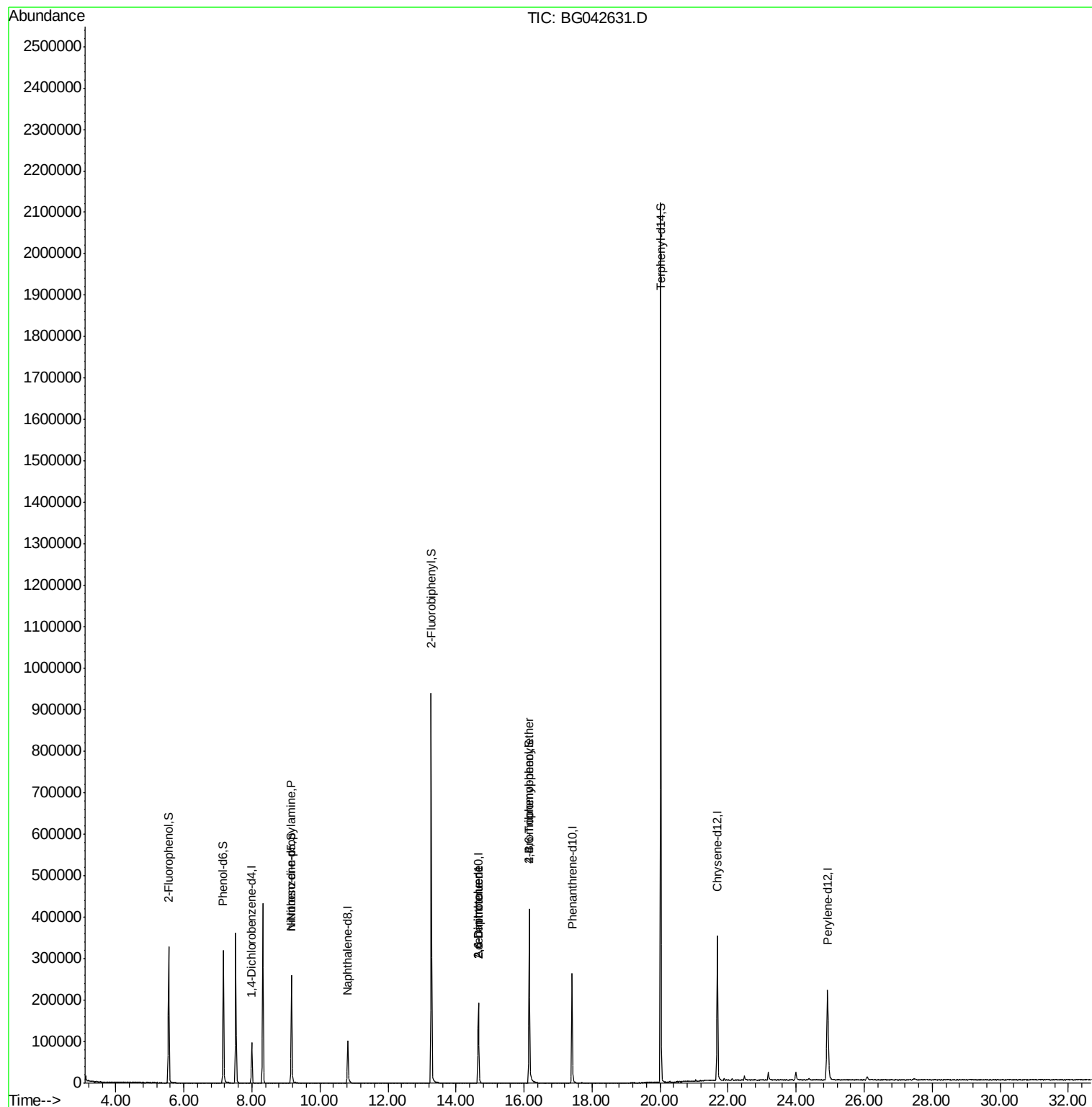
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	33842	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	121321	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	89674	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	208138	20.00	ng	0.00
76) Chrysene-d12	21.68	240	249252	20.00	ng	-0.02
87) Perylene-d12	24.92	264	287135	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	164975	98.73	ng	0.00
7) Phenol-d6	7.16	99	214501	95.03	ng	0.00
23) Nitrobenzene-d5	9.17	82	176347	100.45	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	127874	100.33	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	585040	110.34	ng	0.00
79) Terphenyl-d14	20.02	244	1143166	99.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	22799	15.591	ng	# 77
51) 2,6-Dinitrotoluene	14.65	165	11633	7.757	ng	# 36
57) 2,4-Dinitrotoluene	14.65	165	11633	5.417	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	8173	3.096	ng	# 1

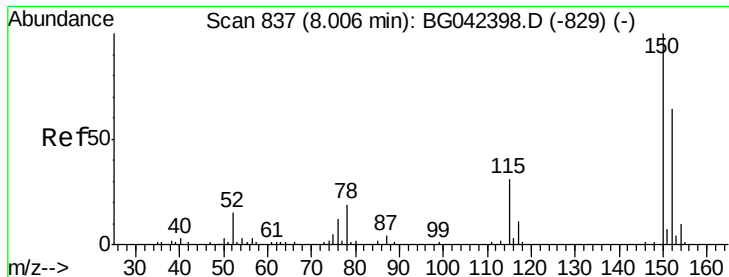
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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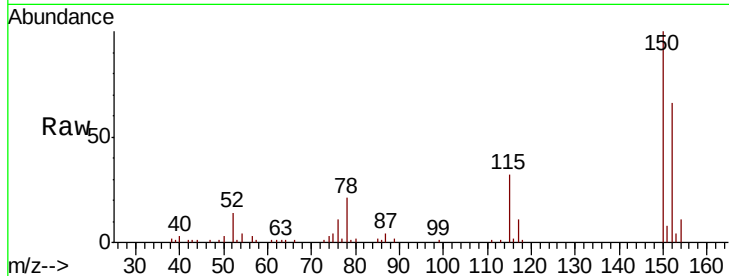


#1

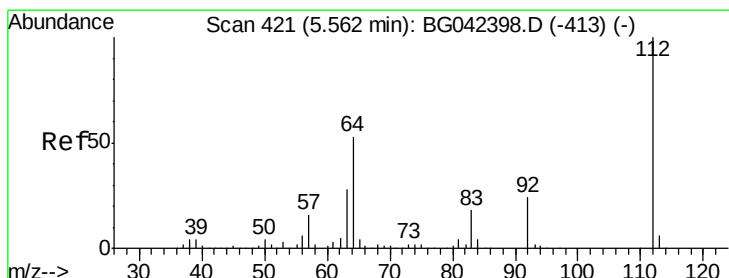
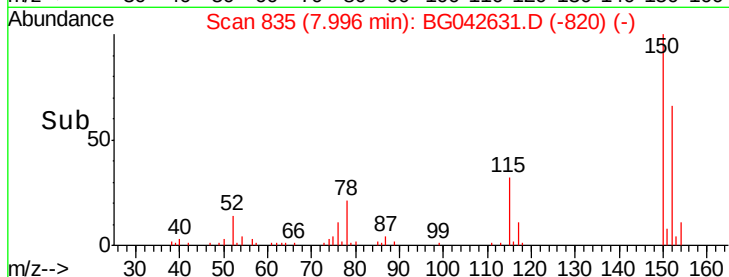
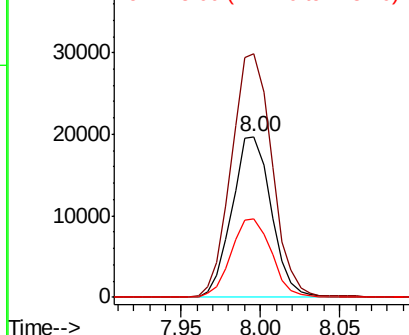
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042631.D
Acq: 31 Aug 2019 12:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33842
Ion Ratio Lower Upper
152 100
150 151.6 125.4 188.0
115 48.8 38.5 57.7



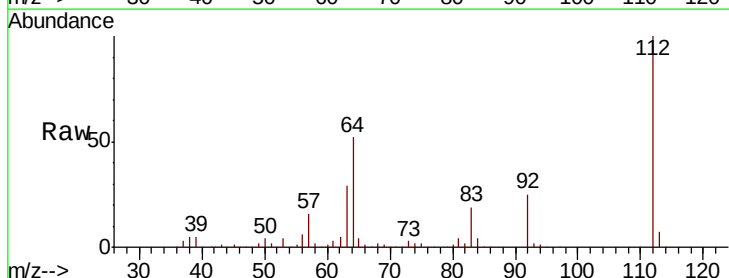
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



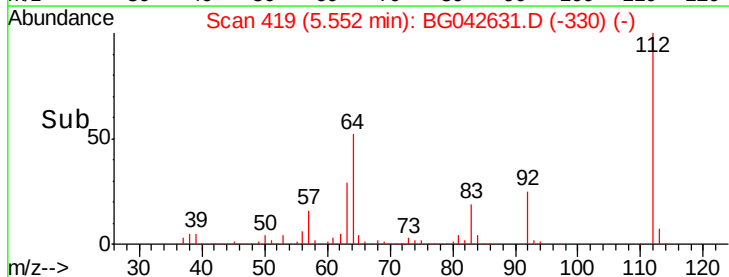
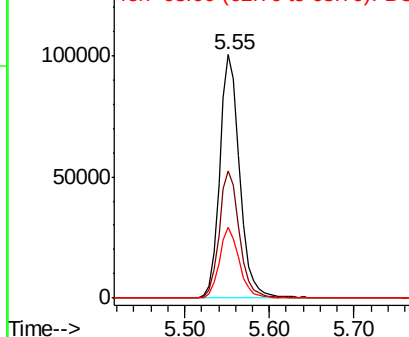
#5

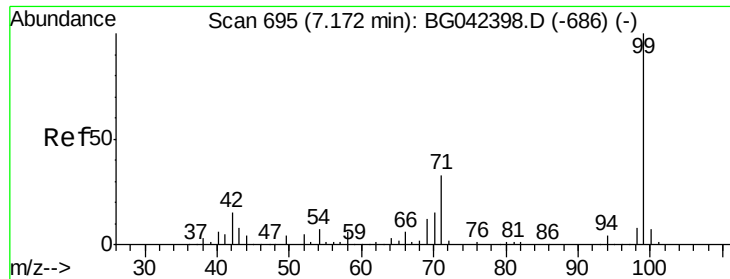
2-Fluorophenol
Concen: 98.730 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042631.D
Acq: 31 Aug 2019 12:39

Tgt Ion:112 Resp: 164975
Ion Ratio Lower Upper
112 100
64 52.2 42.8 64.2
63 28.9 22.7 34.1



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: 95.034 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042631.D

Acq: 31 Aug 2019 12:39

Instrument :

BNA_G

ClientSampleId :

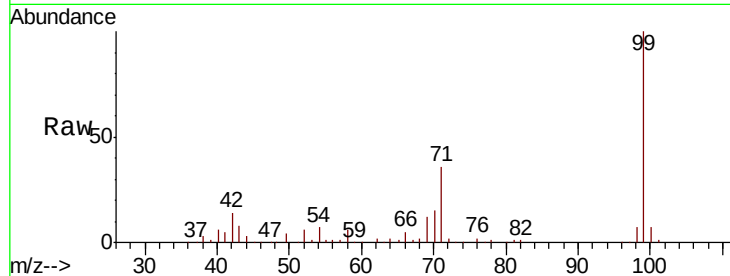
Tot Ion: 99 Resp: 214501

Ion Ratio Lower Upper

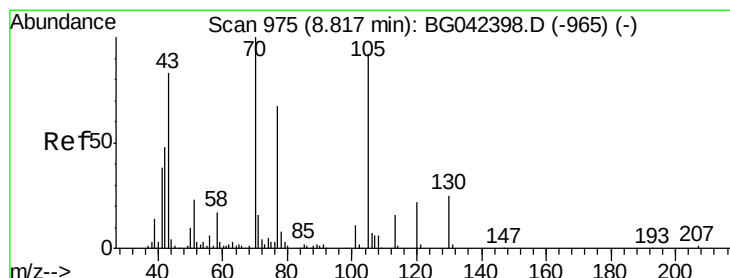
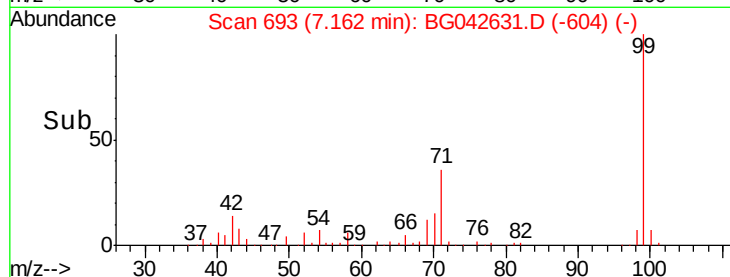
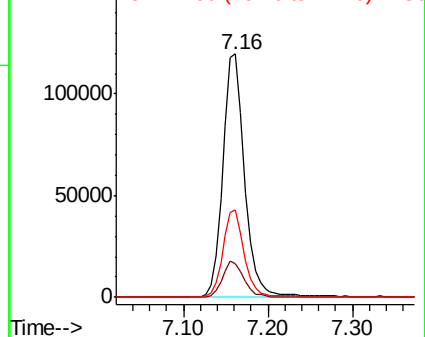
99 100

42 13.9 12.0 18.0

71 35.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.591 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG042631.D

Acq: 31 Aug 2019 12:39

Tgt Ion: 70 Resp: 22799

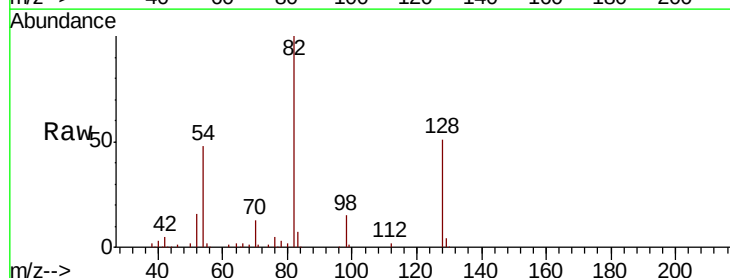
Ion Ratio Lower Upper

70 100

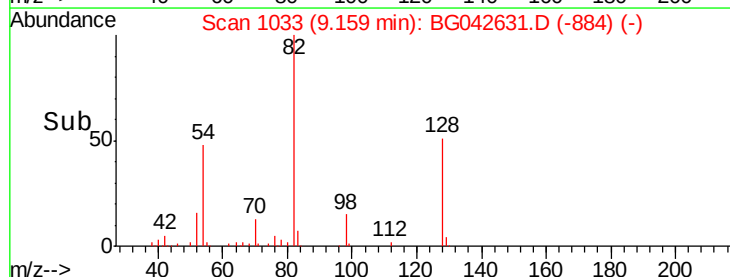
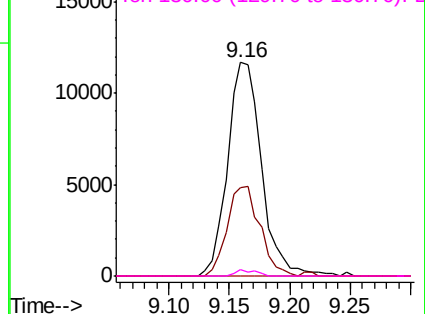
42 41.2 38.8 58.2

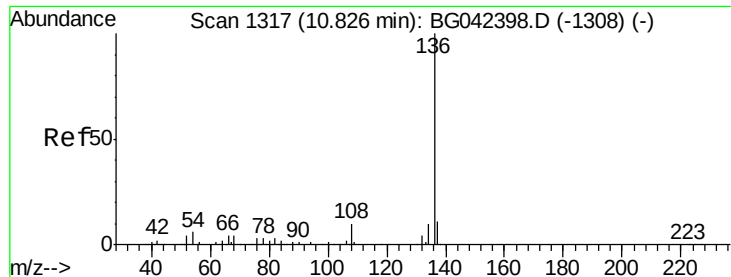
101 0.0 9.0 13.6#

130 2.8 20.0 30.0#



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: 10.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BG042631.D

Acq: 31 Aug 2019 12:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 121321

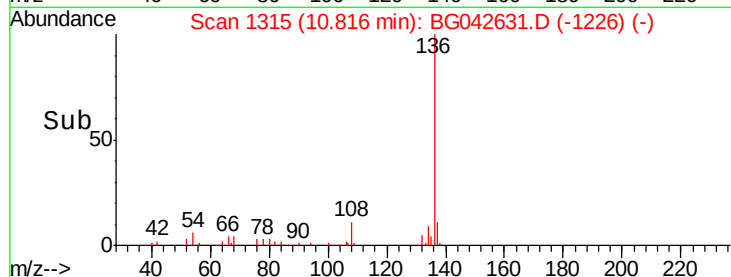
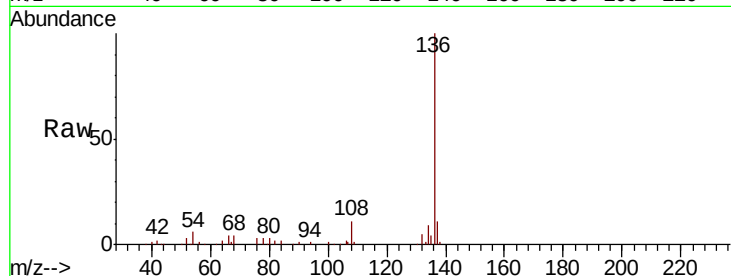
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.2 4.9 7.3

68 3.6 3.6 5.4#

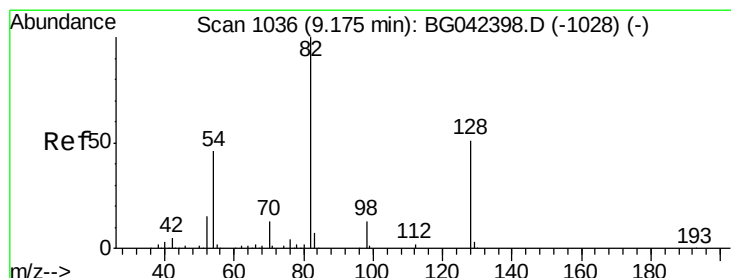
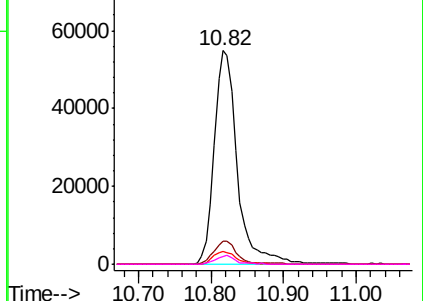


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.447 ng

RT: 9.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG042631.D

Acq: 31 Aug 2019 12:39

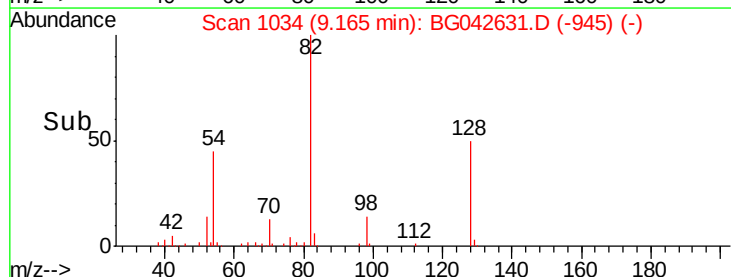
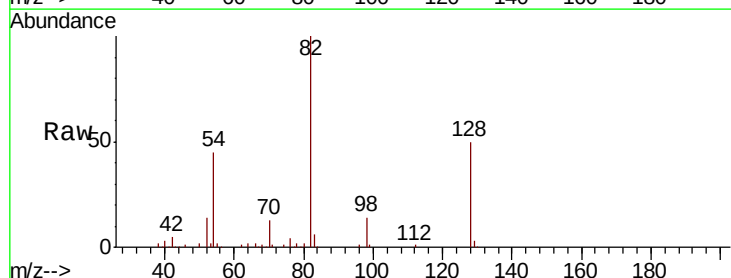
Tgt Ion: 82 Resp: 176347

Ion Ratio Lower Upper

82 100

128 50.4 40.7 61.1

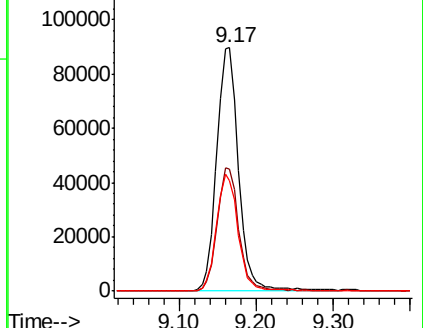
54 45.3 36.3 54.5

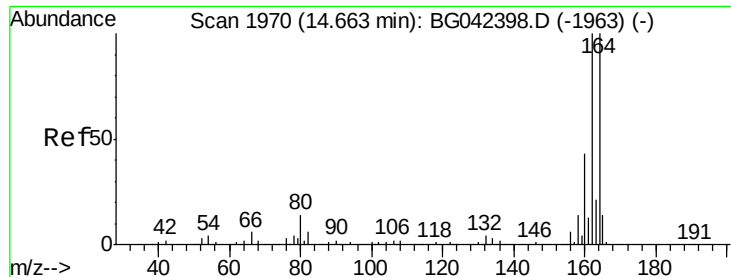


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042631.D

Acq: 31 Aug 2019 12:39

Instrument :

BNA_G

ClientSampleId :

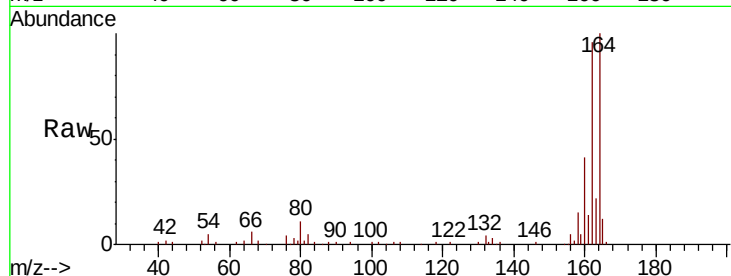
Tot Ion:164 Resp: 89674

Ion Ratio Lower Upper

164 100

162 95.7 79.9 119.9

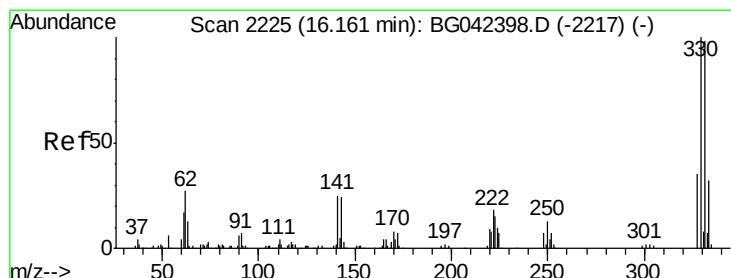
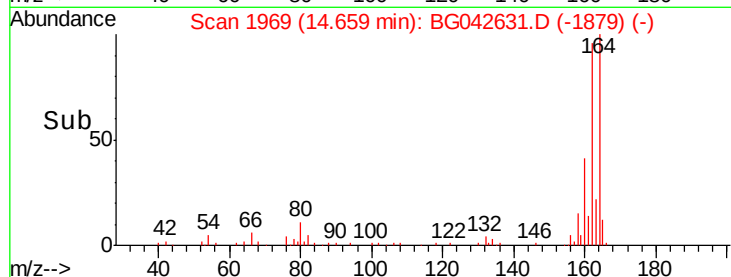
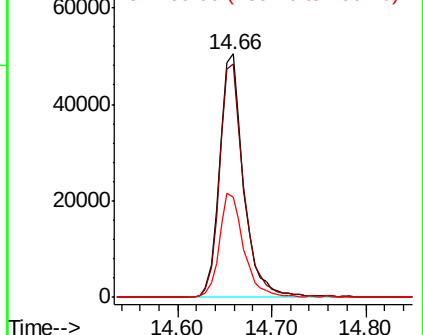
160 41.1 34.3 51.5



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: 100.327 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042631.D

Acq: 31 Aug 2019 12:39

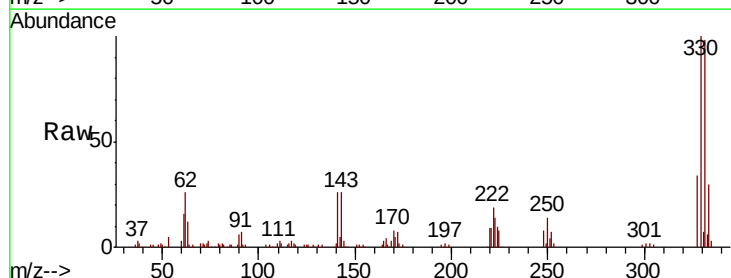
Tgt Ion:330 Resp: 127874

Ion Ratio Lower Upper

330 100

332 94.2 77.4 116.0

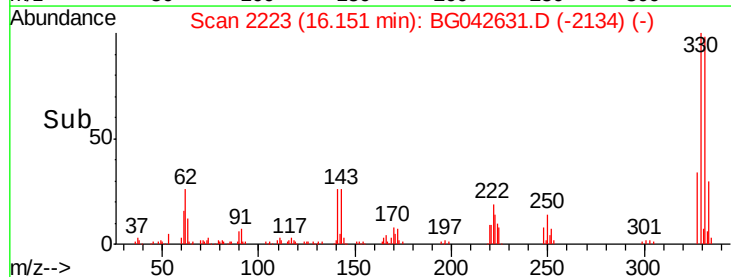
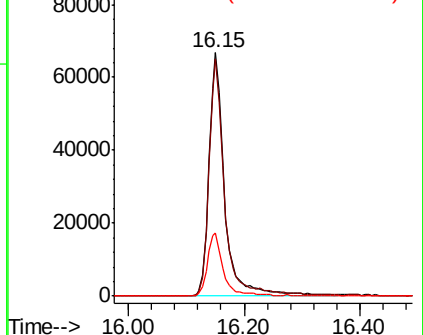
141 26.0 21.4 32.0

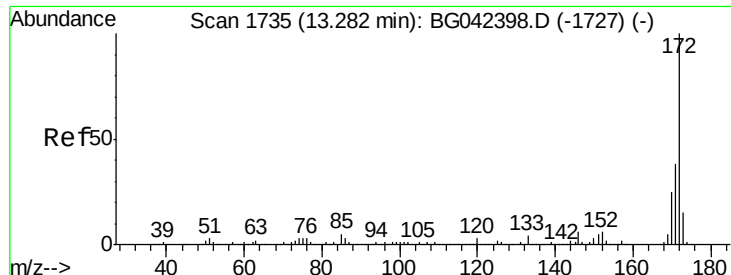


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

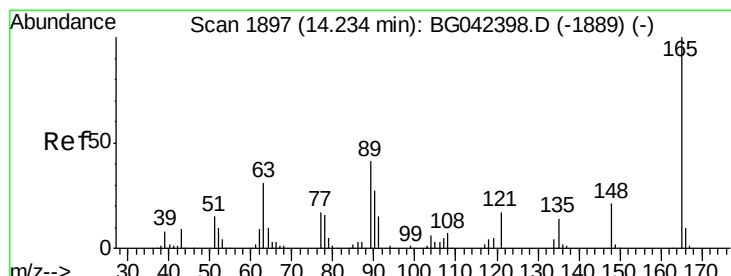
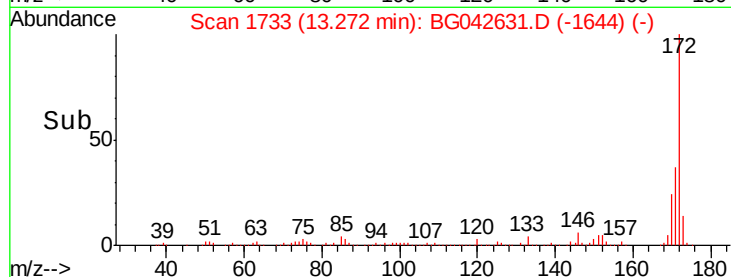
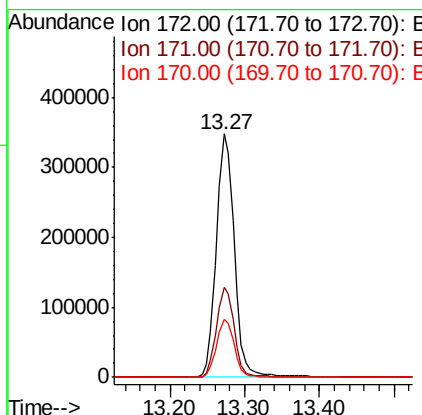
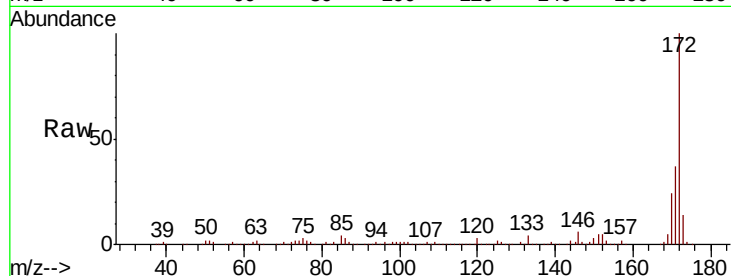




#45
 2-Fluorobiphenyl
 Concen: 110.341 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG042631.D
 Acq: 31 Aug 2019 12:39

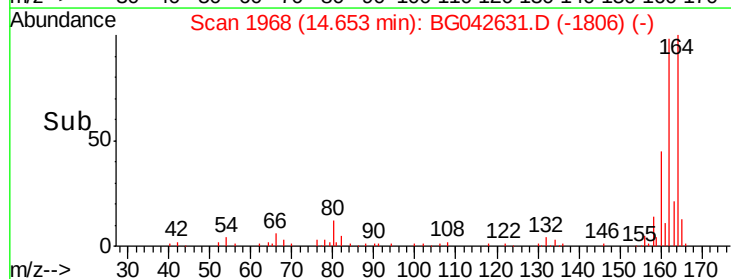
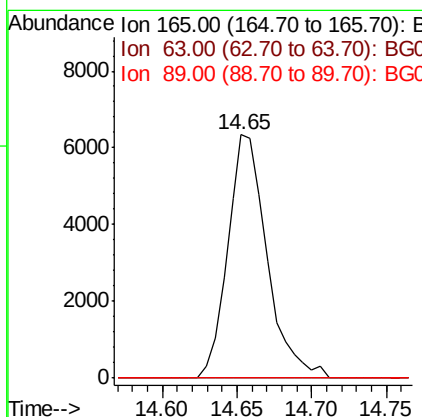
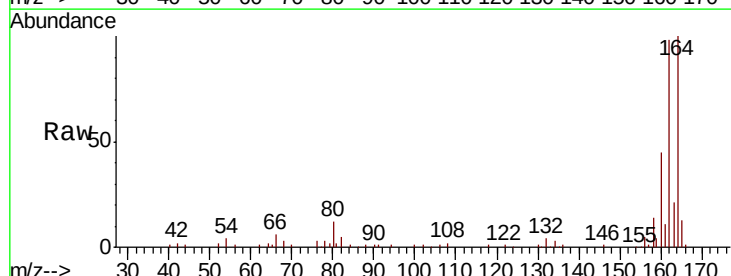
Instrument :
 BNA_G
 ClientSampleId :

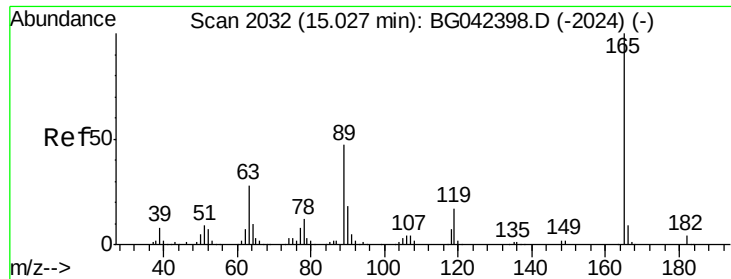
Tot Ion:172 Resp: 585040
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.5 45.7
 170 23.9 20.2 30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.757 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.42 min
 Lab File: BG042631.D
 Acq: 31 Aug 2019 12:39

Tgt Ion:165 Resp: 11633
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.6 45.8#
 89 0.0 32.6 49.0#





#57

2,4-Dinitrotoluene

Concen: 5.417 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.37 min

Lab File: BG042631.D

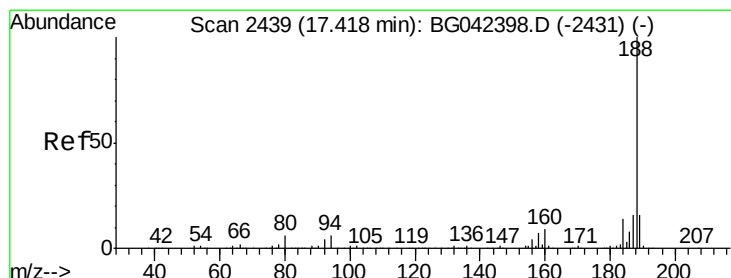
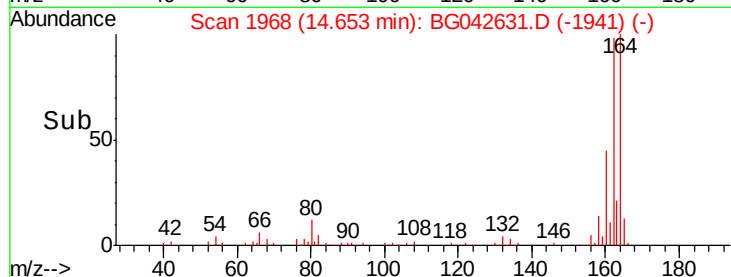
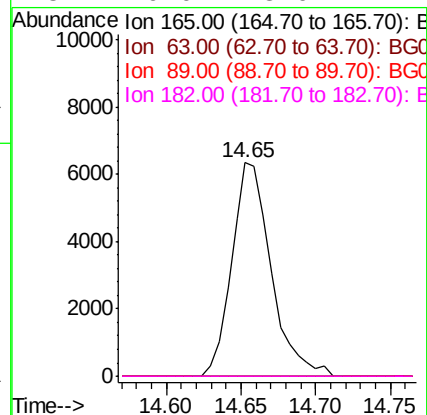
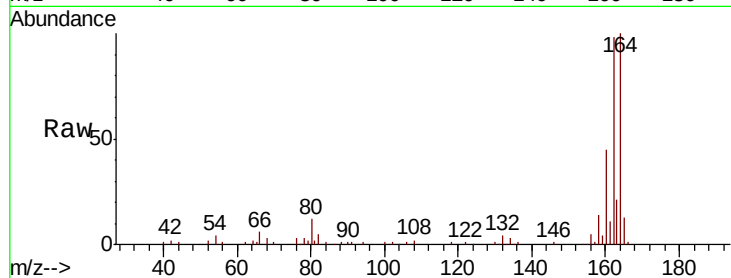
Acq: 31 Aug 2019 12:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	11633
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#



#64

Phenanthrene-d10

Concen: 20.000 ng

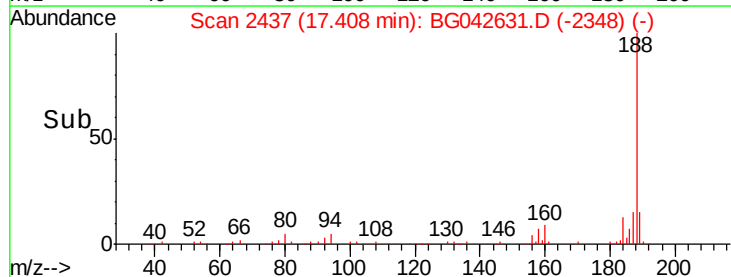
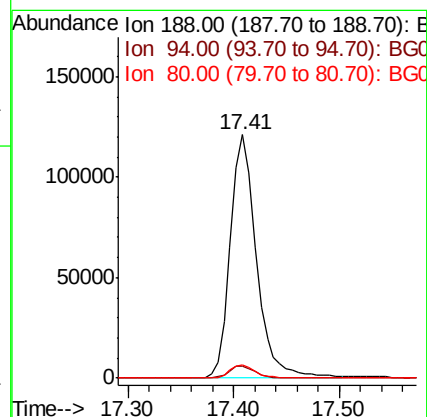
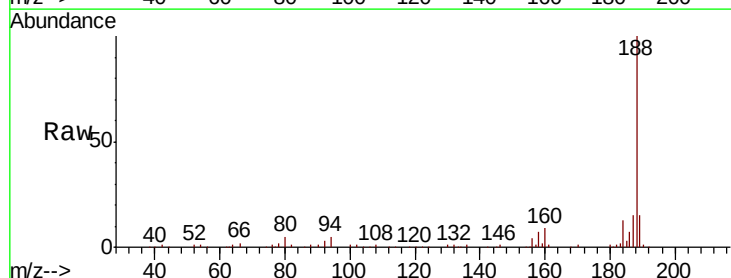
RT: 17.41 min Scan# 2437

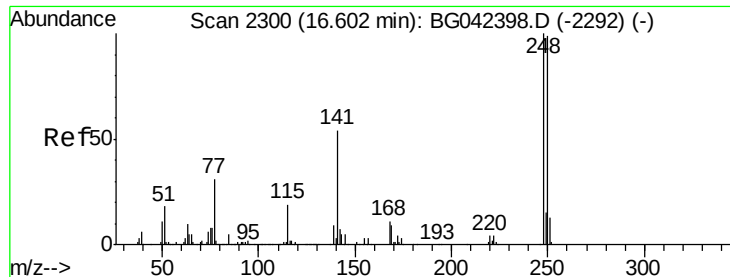
Delta R.T. -0.01 min

Lab File: BG042631.D

Acq: 31 Aug 2019 12:39

Tgt Ion:188	Resp:	208138
Ion Ratio	Lower	Upper
188	100	
94	4.8	4.5 6.7
80	5.2	4.9 7.3

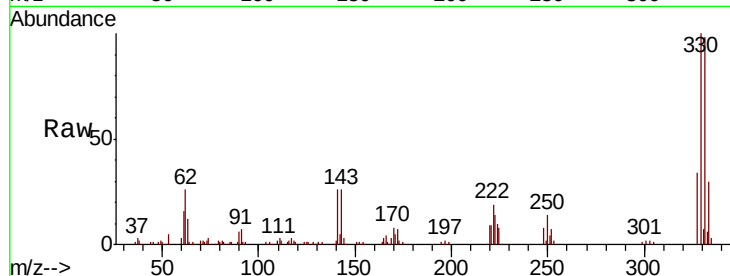




#67
 4-Bromophenyl-phenylether
 Concen: 3.096 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042631.D
 Acq: 31 Aug 2019 12:39

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	174.8	78.9	118.3#
141	332.8	43.3	64.9#

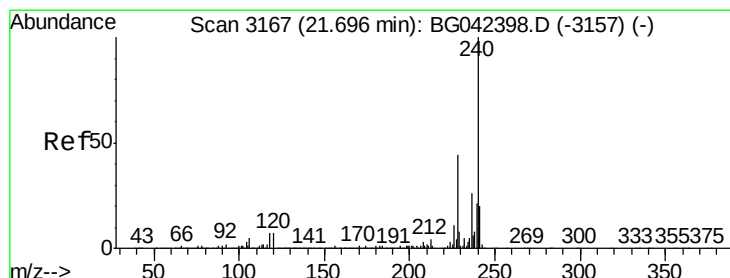
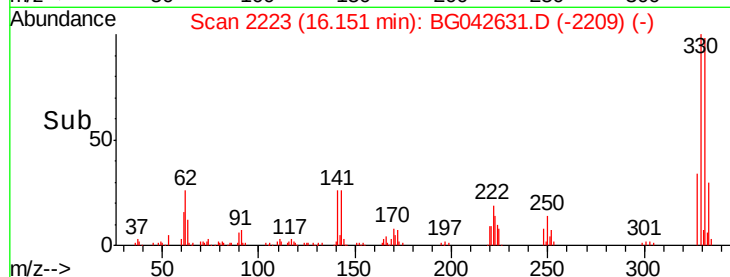
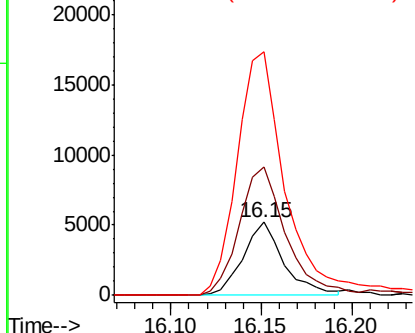


Abundance

Ion 248.00 (247.70 to 248.70): E

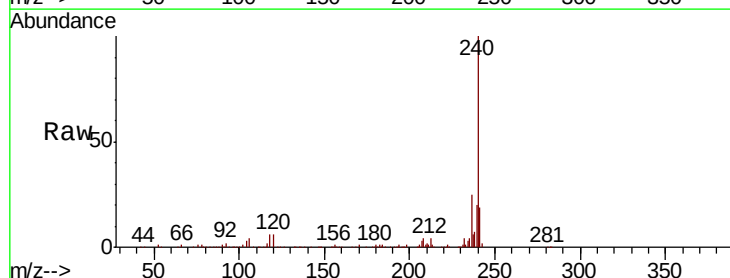
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.02 min
 Lab File: BG042631.D
 Acq: 31 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.7	8.5
236	25.4	21.0	31.4

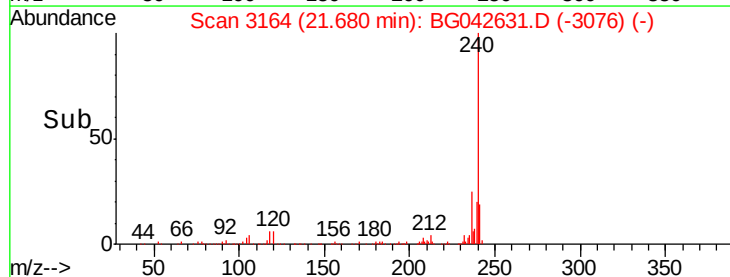
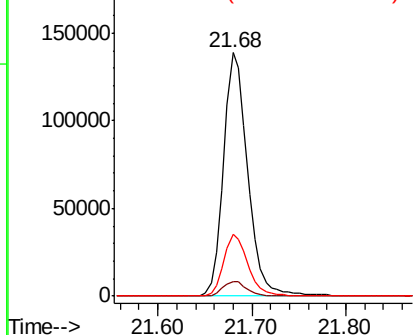


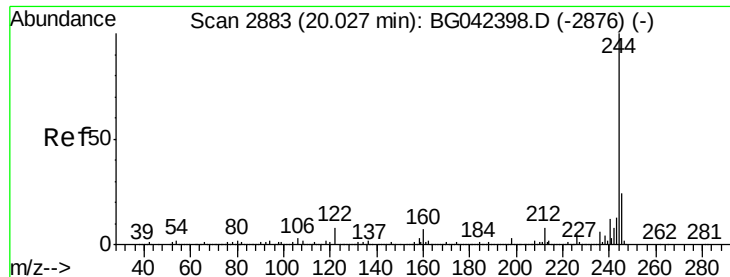
Abundance

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





#79

Terphenyl-d14

Concen: 99.154 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042631.D

Acq: 31 Aug 2019 12:39

Instrument :

BNA_G

ClientSampled :

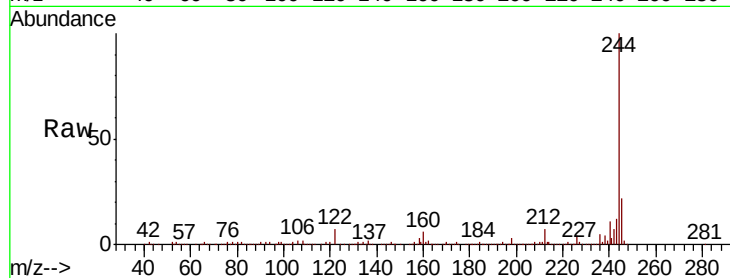
Tot Ion:244 Resp: 1143166

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

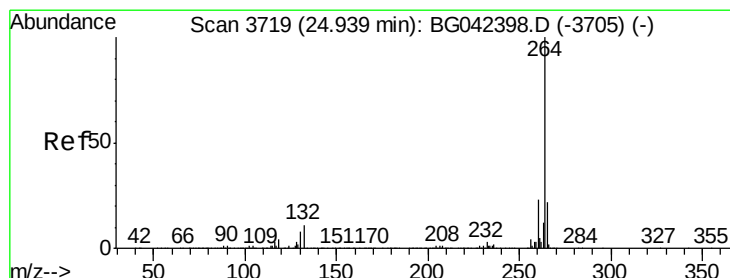
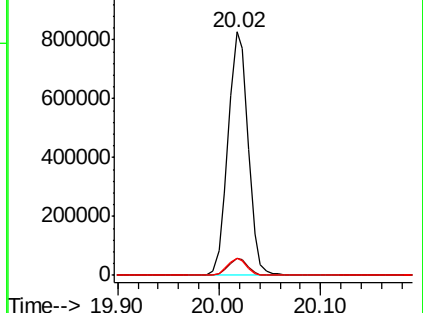
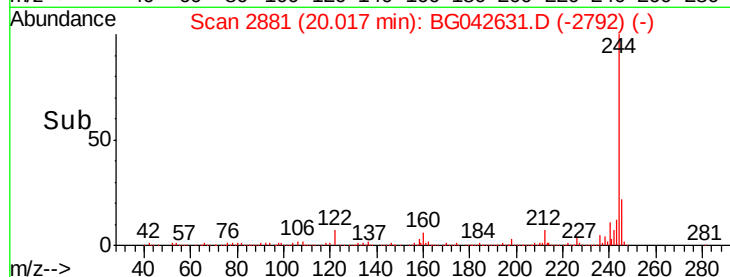
122 7.0 6.7 10.1



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: 24.92 min Scan# 3715

Delta R.T. -0.02 min

Lab File: BG042631.D

Acq: 31 Aug 2019 12:39

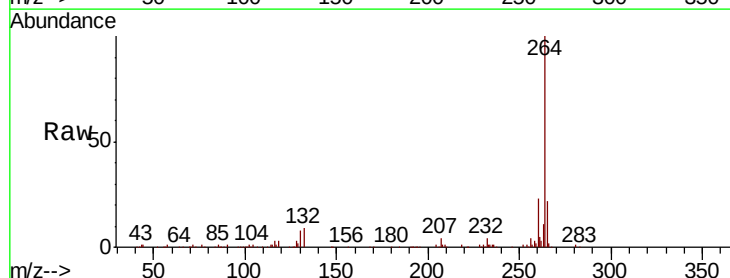
Tgt Ion:264 Resp: 287135

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 21.5 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

