

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038951.D
 Acq On : 5 Jan 2019 6:15
 Operator : JU/SJ
 Sample : K1036-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 06 22:43:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

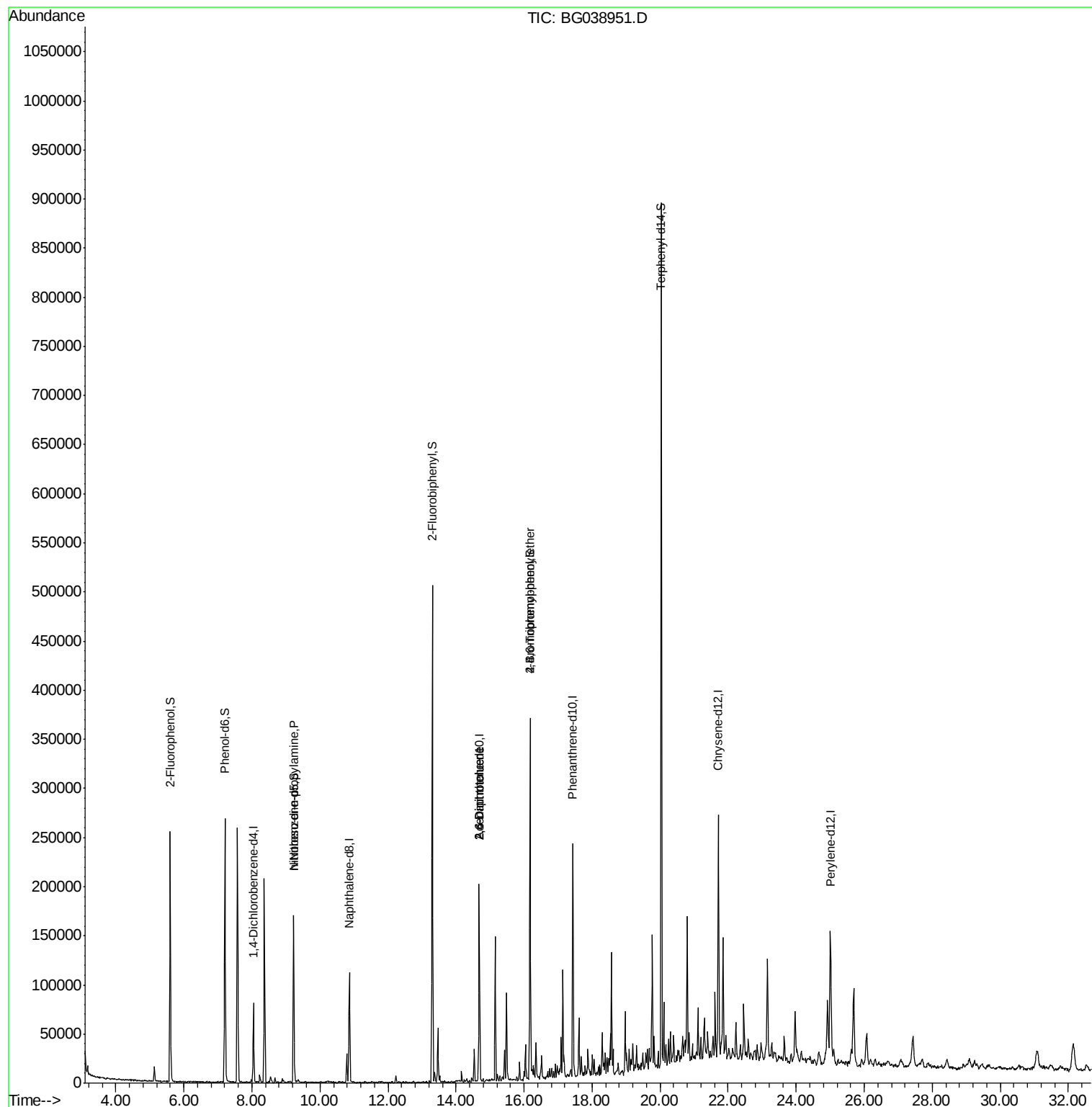
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	24212	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	99656	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	70309	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	162901	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	160341	20.00	ng	-0.01
87) Perylene-d12	25.00	264	172558	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	111804	81.90	ng	0.00
7) Phenol-d6	7.20	99	159667	85.20	ng	0.00
23) Nitrobenzene-d5	9.22	82	97777	50.12	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	78564	81.08	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	284957	55.60	ng	-0.02
79) Terphenyl-d14	20.03	244	461715	62.67	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	13983	10.624	ng	# 70
51) 2,6-Dinitrotoluene	14.68	165	9084	6.981	ng	# 19
57) 2,4-Dinitrotoluene	14.68	165	9084	4.957	ng	# 21
67) 4-Bromophenyl-phenylether	16.17	248	4960	2.493	ng	# 1

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

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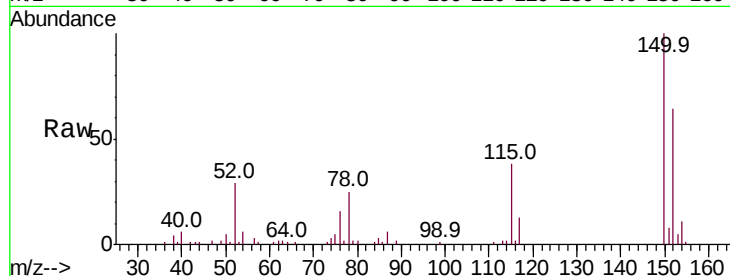


#1

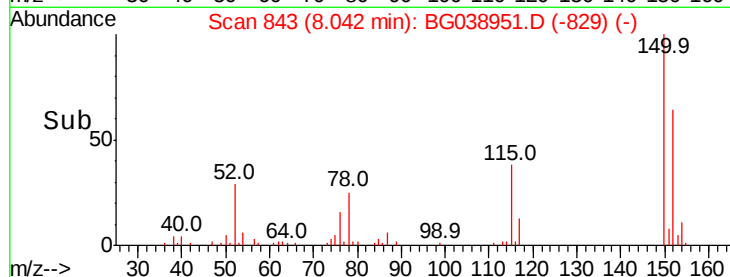
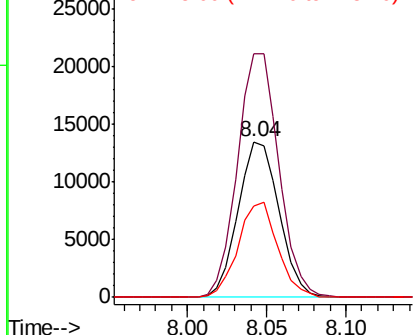
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG038951.D
Acq: 5 Jan 2019 6:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 24212
Ion Ratio Lower Upper
152 100
150 156.1 119.5 179.3
115 58.6 49.6 74.4



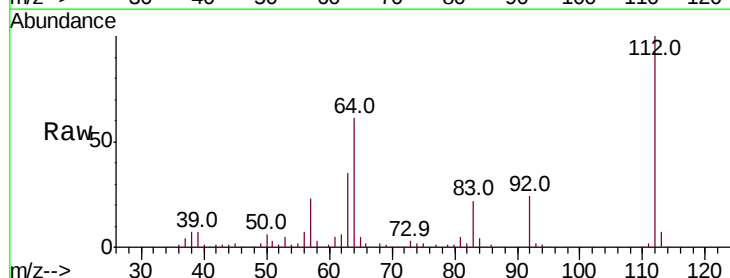
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



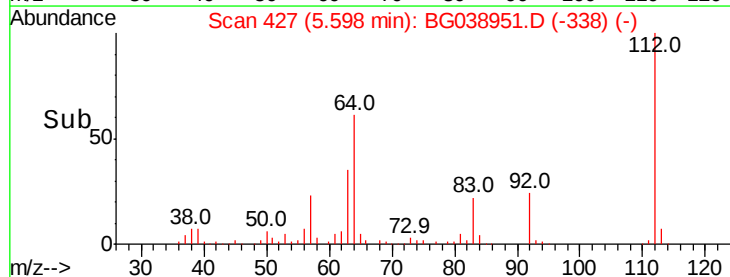
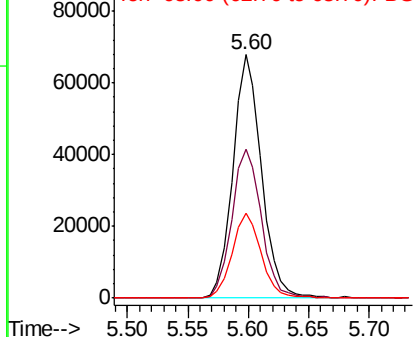
#5

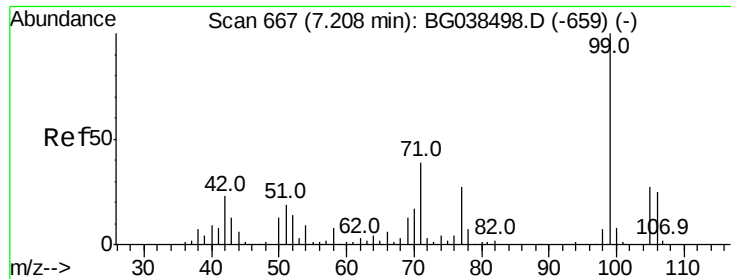
2-Fluorophenol
Concen: 81.902 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.01 min
Lab File: BG038951.D
Acq: 5 Jan 2019 6:15

Tgt Ion:112 Resp: 111804
Ion Ratio Lower Upper
112 100
64 61.3 53.4 80.2
63 34.6 29.3 43.9



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: 85.201 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG038951.D

Acq: 5 Jan 2019 6:15

Instrument :

BNA_G

ClientSampled :

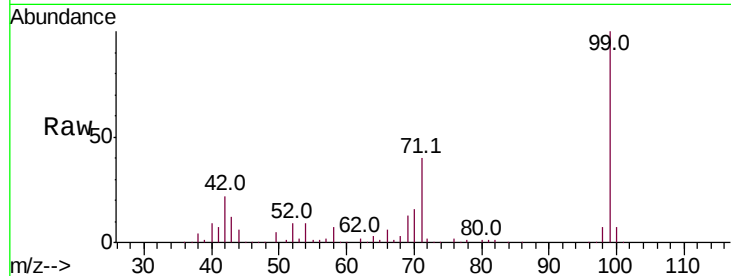
Tot Ion: 99 Resp: 159667

Ion Ratio Lower Upper

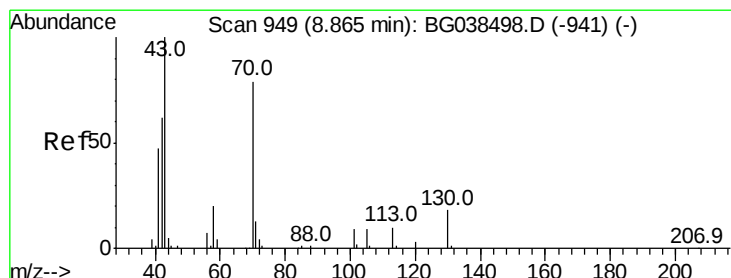
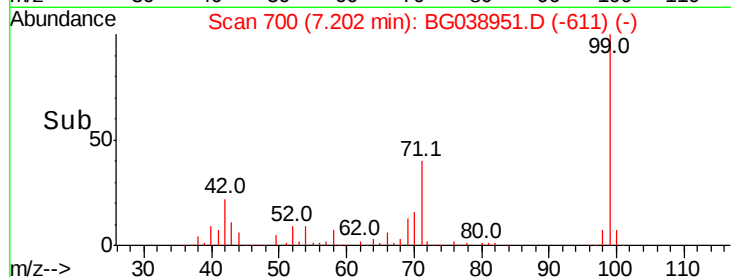
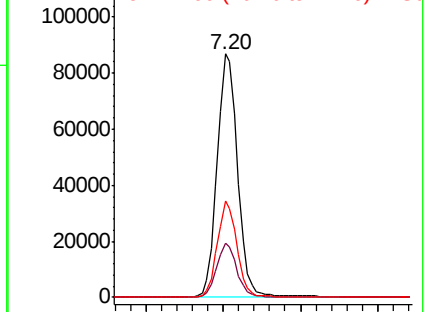
99 100

42 22.3 18.5 27.7

71 39.5 31.1 46.7



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: 10.624 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038951.D

Acq: 5 Jan 2019 6:15

Tgt Ion: 70 Resp: 13983

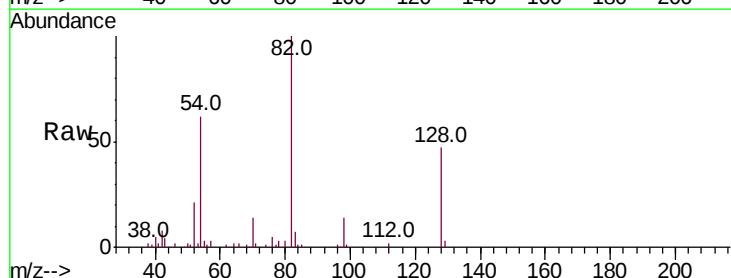
Ion Ratio Lower Upper

70 100

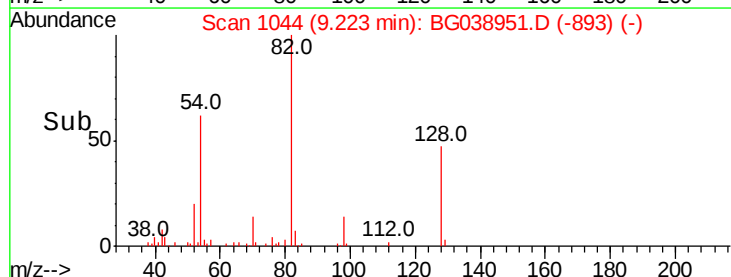
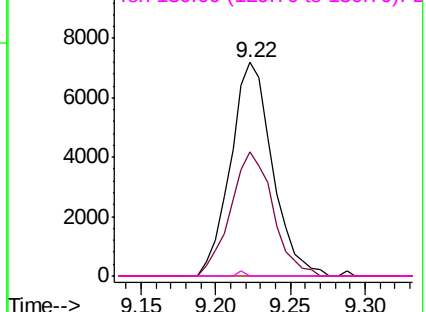
42 57.9 63.6 95.4#

101 0.0 9.2 13.8#

130 0.0 18.5 27.7#



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

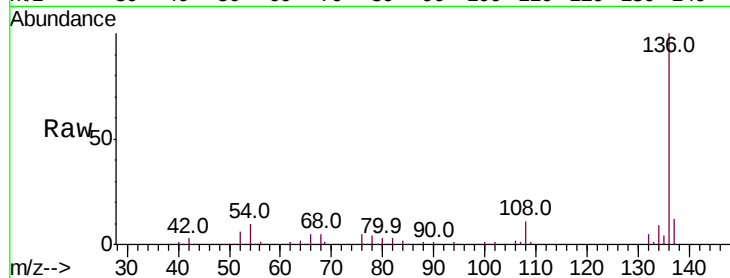




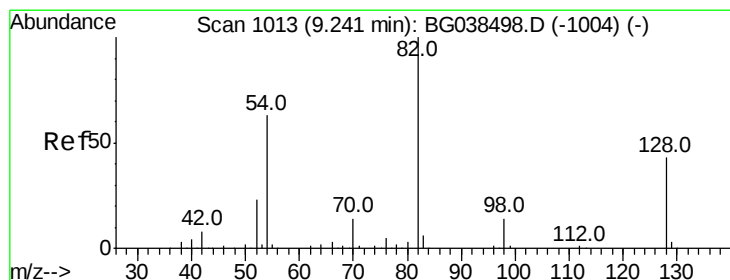
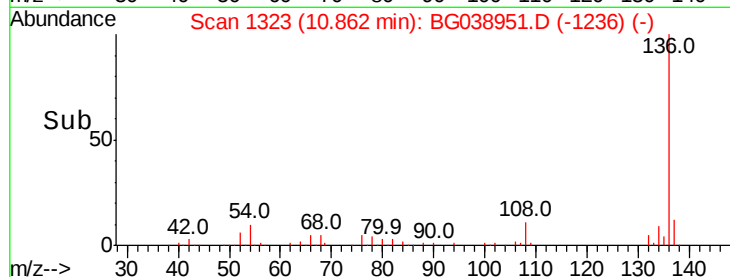
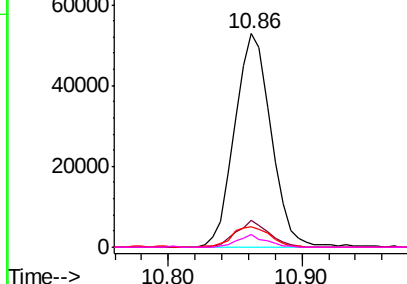
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038951.D
Acq: 5 Jan 2019 6:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	99656
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.3	13.9
54	9.8	8.5	12.7
68	5.9	3.5	5.3#

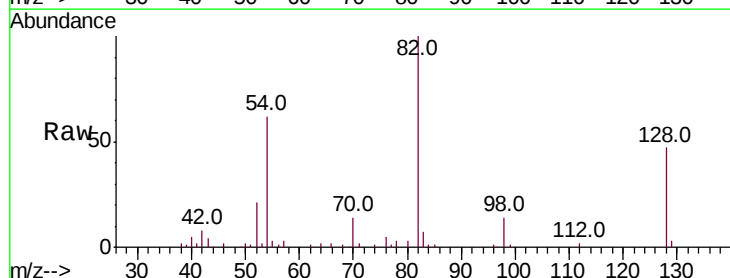


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

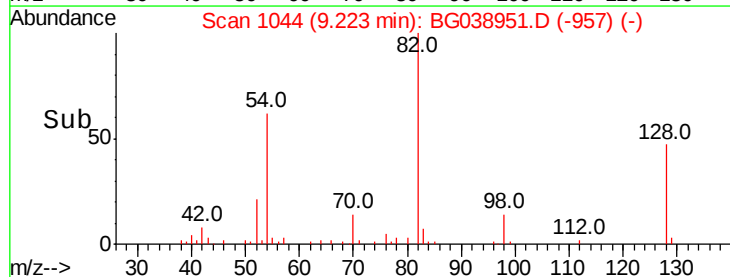
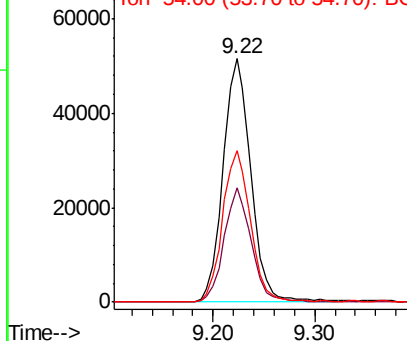


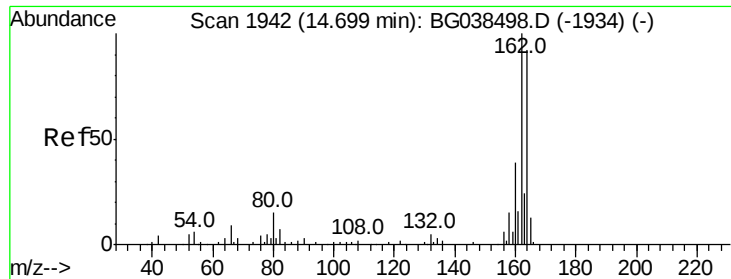
#23
Nitrobenzene-d5
Concen: 50.124 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038951.D
Acq: 5 Jan 2019 6:15

Tgt Ion:	82	Resp:	97777
Ion	Ratio	Lower	Upper
82	100		
128	47.0	34.6	52.0
54	62.2	50.6	76.0



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

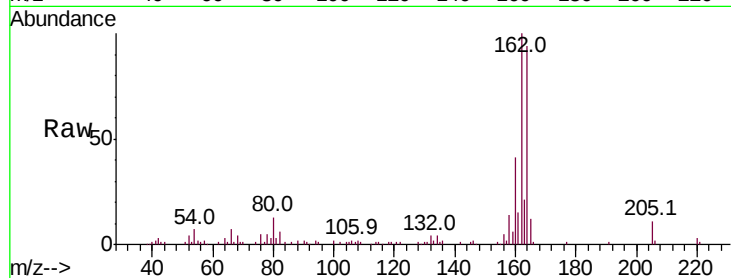




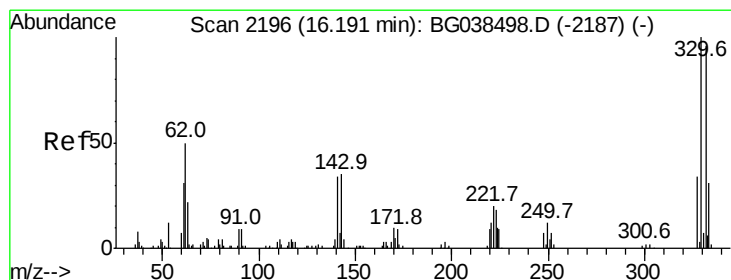
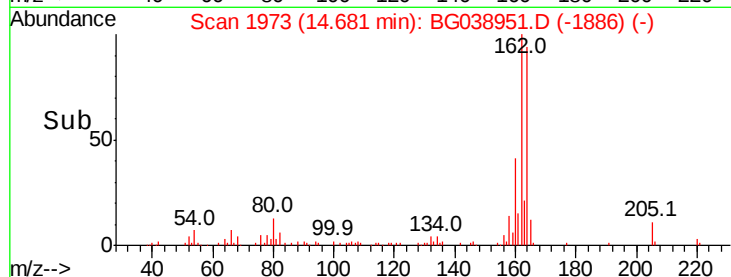
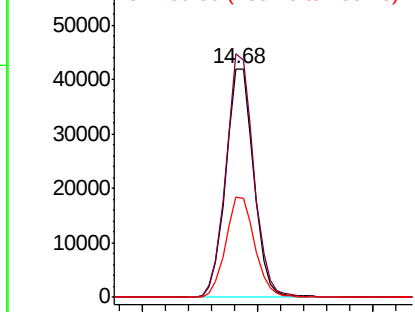
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG038951.D
Acq: 5 Jan 2019 6:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 70309
Ion Ratio Lower Upper
164 100
162 106.4 86.6 130.0
160 43.7 34.2 51.2

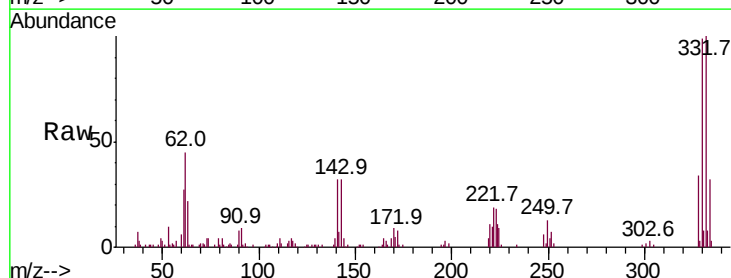


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

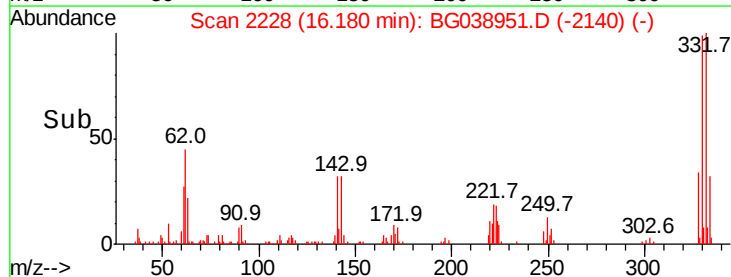
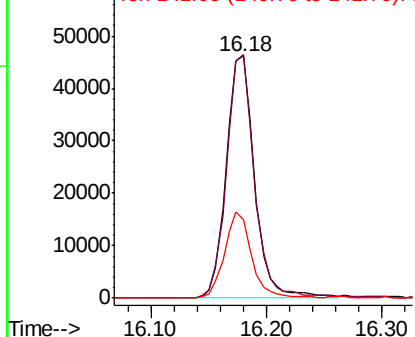


#42
2,4,6-Tribromophenol
Concen: 81.079 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BG038951.D
Acq: 5 Jan 2019 6:15

Tgt Ion:330 Resp: 78564
Ion Ratio Lower Upper
330 100
332 99.7 76.9 115.3
141 33.8 28.8 43.2



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

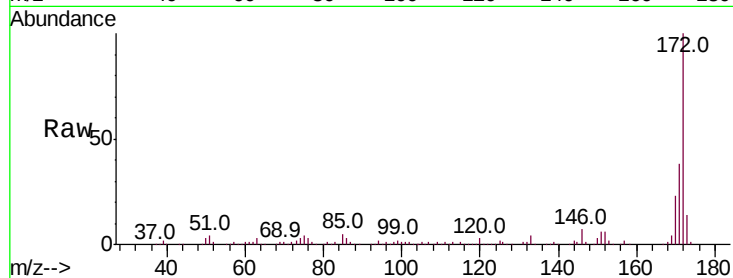




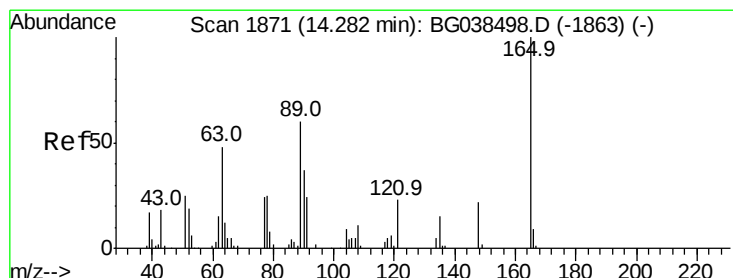
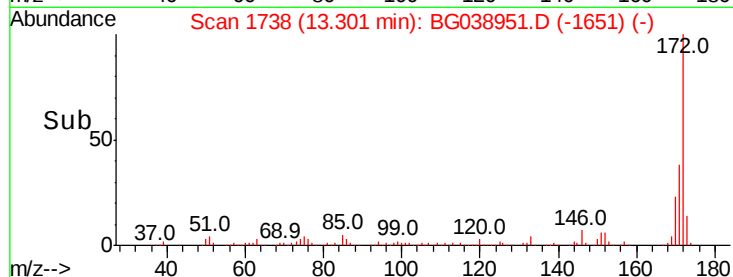
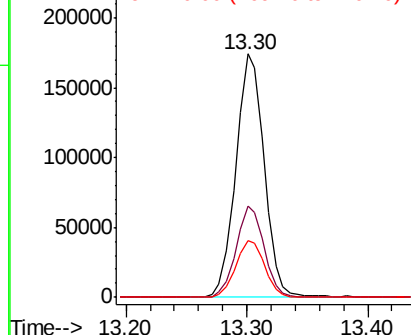
#45
 2-Fluorobiphenyl
 Concen: 55.600 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038951.D
 Acq: 5 Jan 2019 6:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 284957
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.8 44.6
 170 23.3 19.5 29.3

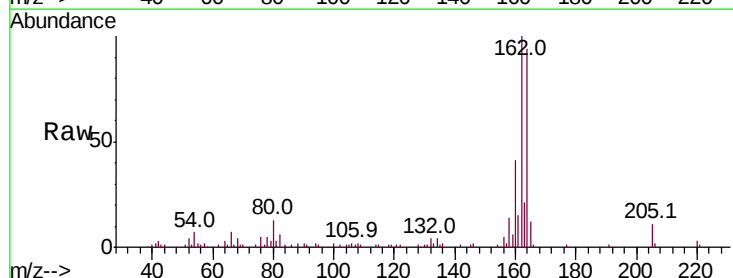


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

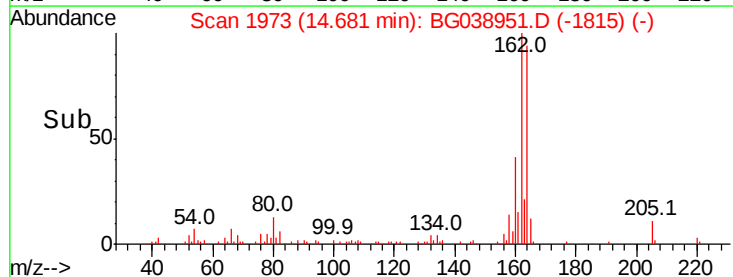
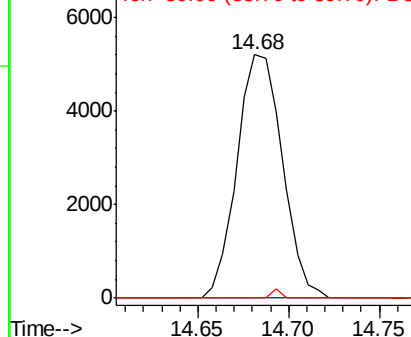


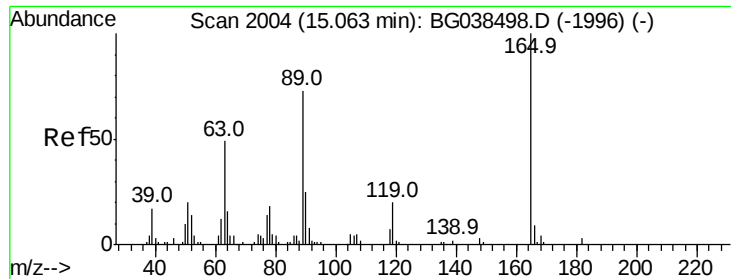
#51
 2,6-Dinitrotoluene
 Concen: 6.981 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038951.D
 Acq: 5 Jan 2019 6:15

Tgt Ion:165 Resp: 9084
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#



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





#57

2,4-Dinitrotoluene

Concen: 4.957 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.38 min

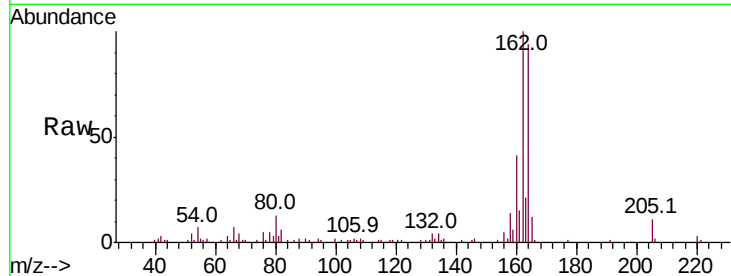
Lab File: BG038951.D

Acq: 5 Jan 2019 6:15

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 9084

Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 0.0 58.0 87.0#

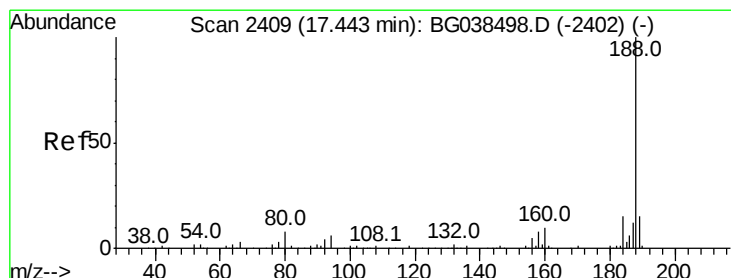
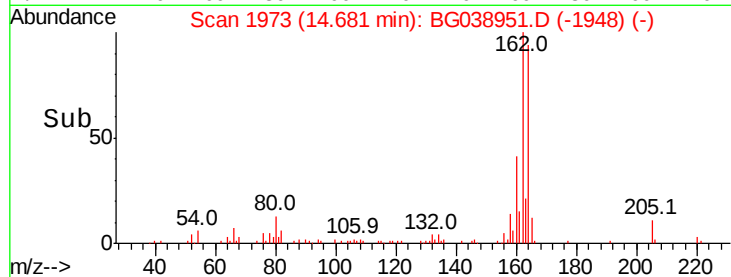
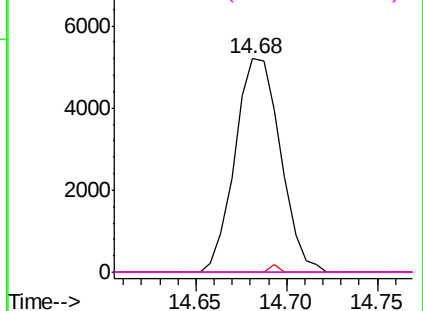
182 0.0 2.3 3.5#

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. -0.01 min

Lab File: BG038951.D

Acq: 5 Jan 2019 6:15

Tgt Ion:188 Resp: 162901

Ion Ratio Lower Upper

188 100

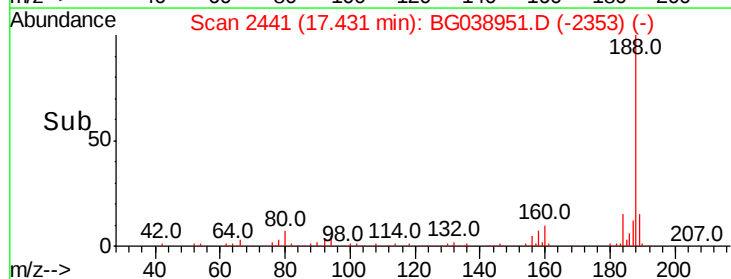
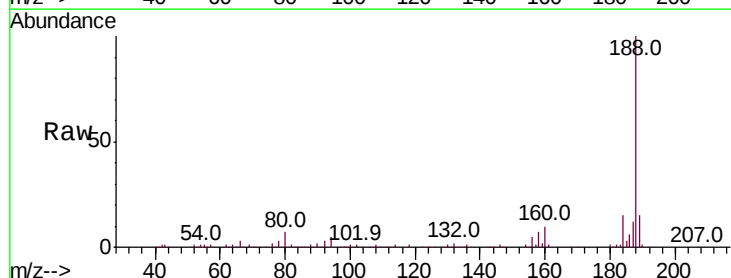
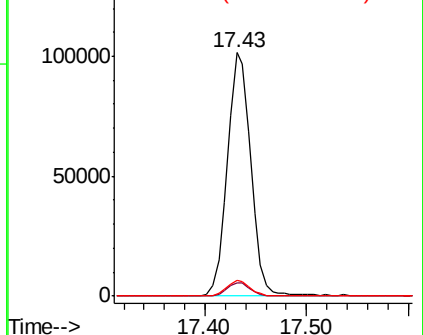
94 5.2 5.1 7.7

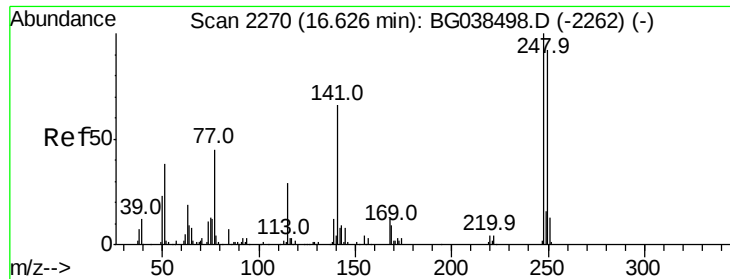
80 6.7 6.1 9.1

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

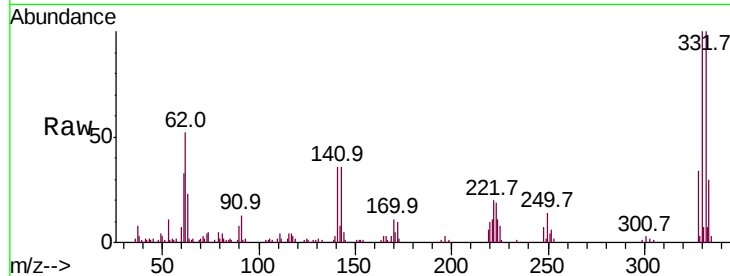




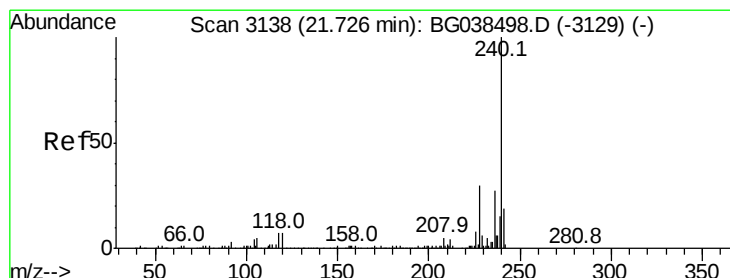
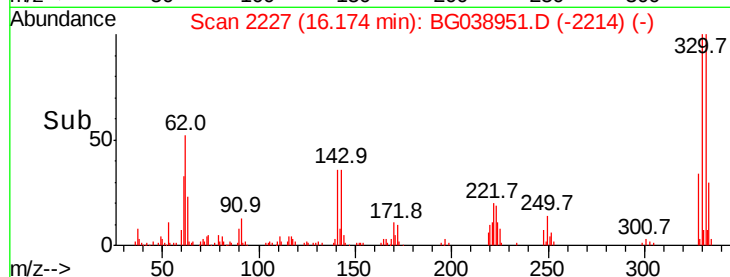
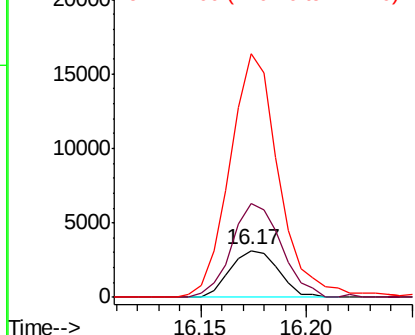
#67
4-Bromophenyl-phenylether
Concen: 2.493 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.45 min
Lab File: BG038951.D
Acq: 5 Jan 2019 6:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 4960
Ion Ratio Lower Upper
248 100
250 195.7 73.4 110.2#
141 395.9 52.9 79.3#

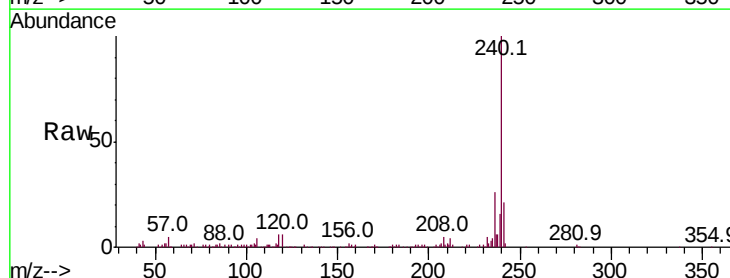


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

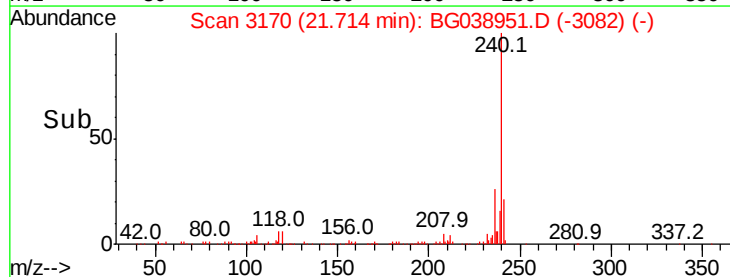
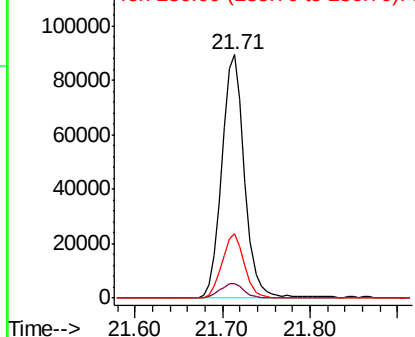


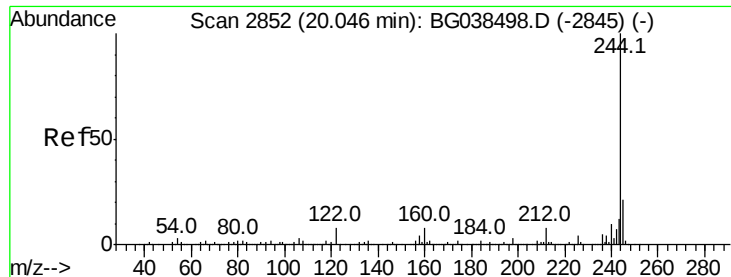
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038951.D
Acq: 5 Jan 2019 6:15

Tgt Ion:240 Resp: 160341
Ion Ratio Lower Upper
240 100
120 5.7 5.3 7.9
236 26.4 21.4 32.2



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: 62.669 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038951.D

Acq: 5 Jan 2019 6:15

Instrument :

BNA_G

ClientSampleId :

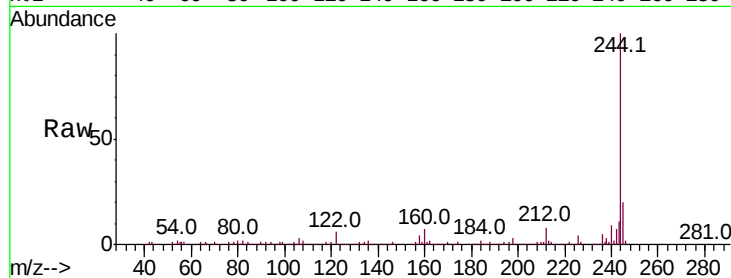
Tot Ion:244 Resp: 461715

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

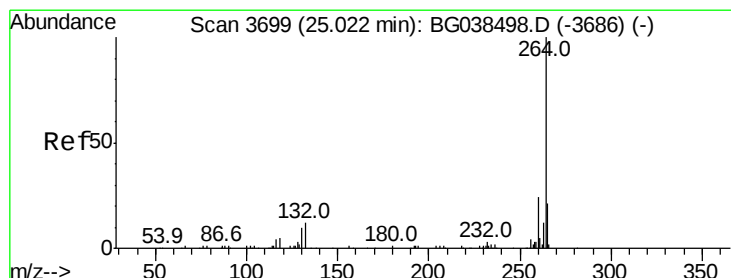
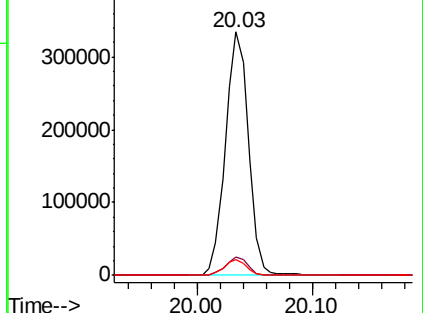
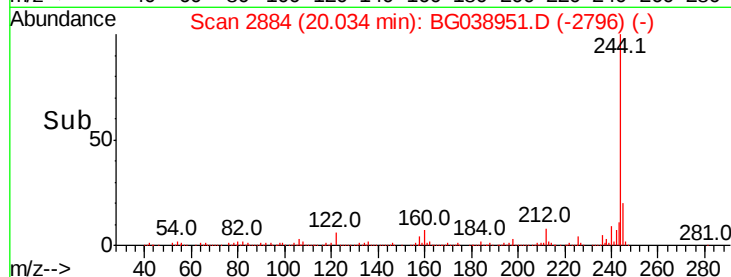
122 6.3 6.3 9.5



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: 25.00 min Scan# 3730

Delta R.T. -0.02 min

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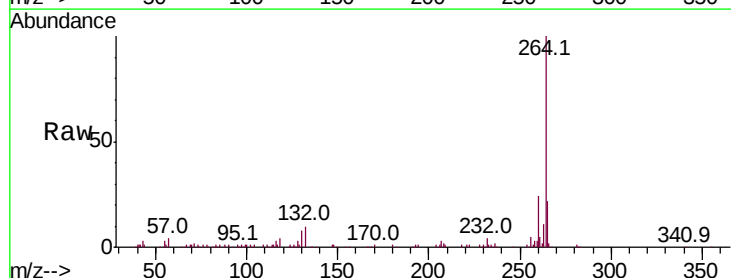
Tgt Ion:264 Resp: 172558

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.7 17.0 25.4



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

