

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042510.D
 Acq On : 27 Aug 2019 18:51
 Operator : HP/JU
 Sample : K4551-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 01:27:41 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

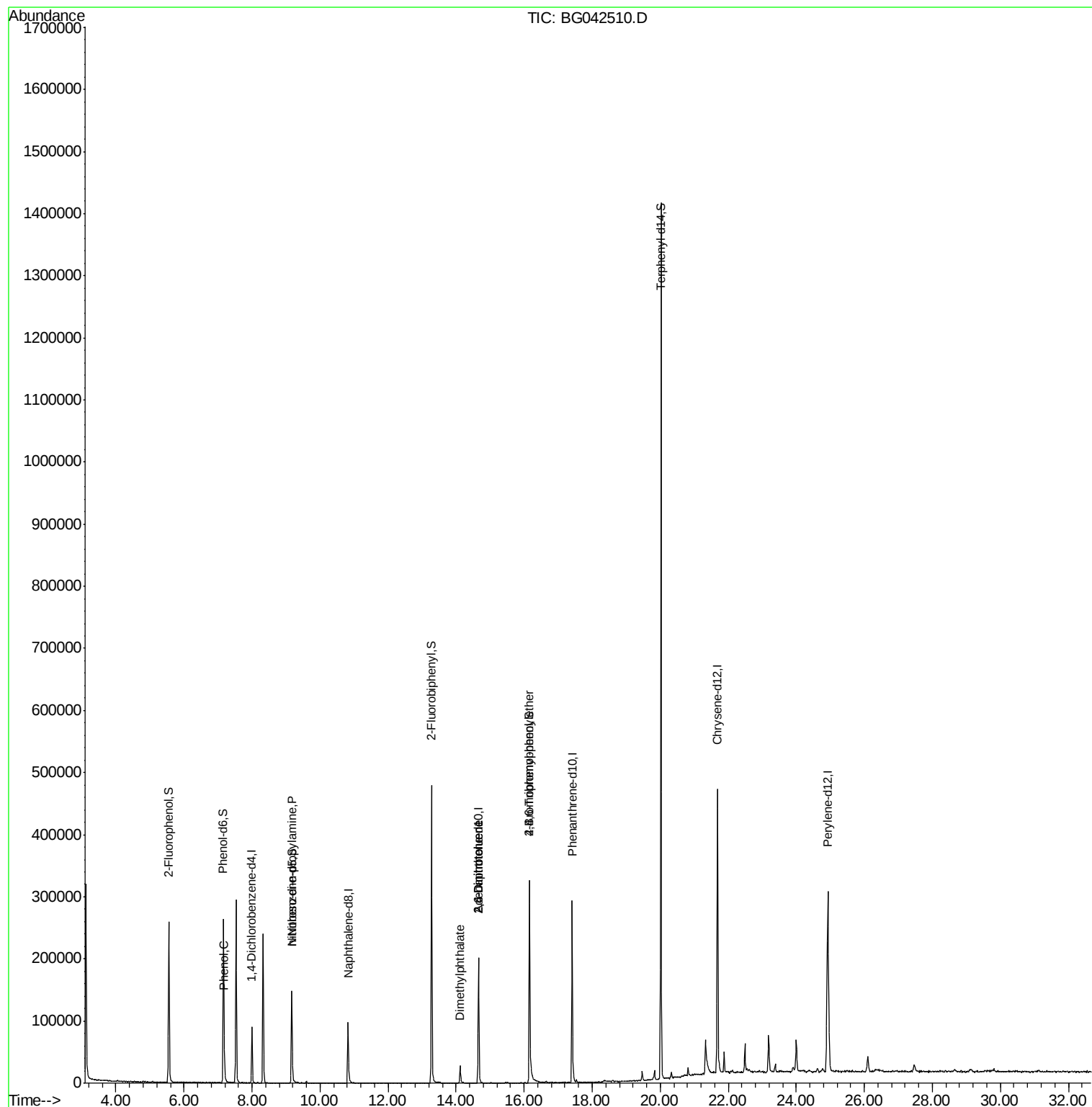
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	30396	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	116295	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	86932	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	215878	20.00	ng	0.00
76) Chrysene-d12	21.68	240	300647	20.00	ng	-0.01
87) Perylene-d12	24.92	264	354807	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	145839	97.17	ng	0.00
7) Phenol-d6	7.16	99	188866	93.16	ng	-0.01
23) Nitrobenzene-d5	9.17	82	108532	64.49	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	108647	87.93	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	309626	60.24	ng	0.00
79) Terphenyl-d14	20.02	244	722534	51.96	ng	0.00
Target Compounds						
10) Phenol	7.19	94	14158	6.869	ng	95
19) n-Nitroso-di-n-propylamine	9.16	70	13173	10.030	ng	# 71
50) Dimethylphthalate	14.12	163	36231	5.776	ng	99
51) 2,6-Dinitrotoluene	14.66	165	11362	7.815	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	11362	5.457	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	7339	2.680	ng	# 1

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

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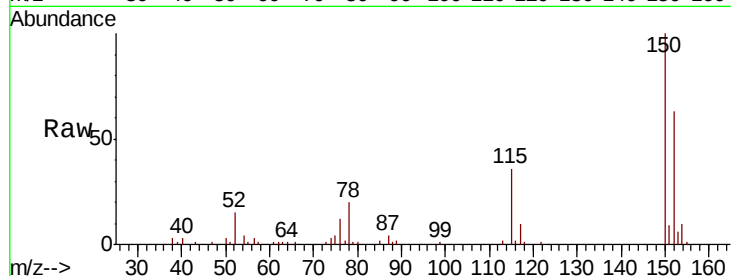


#1

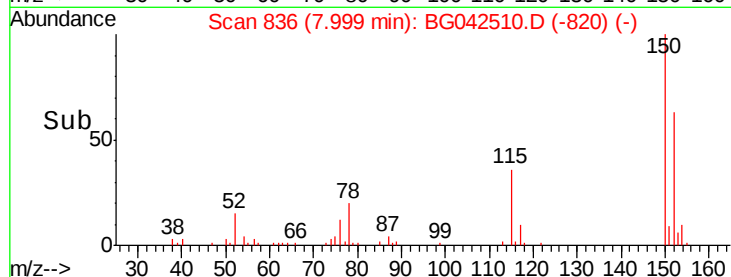
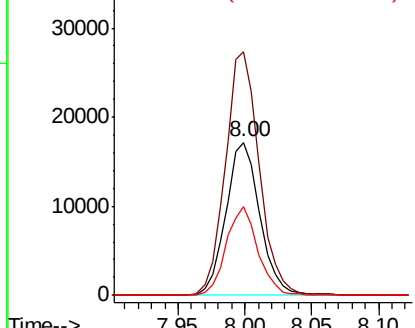
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30396
Ion Ratio Lower Upper
152 100
150 158.8 125.4 188.0
115 57.5 38.5 57.7



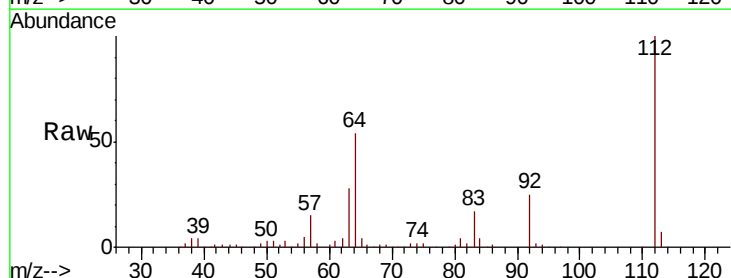
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



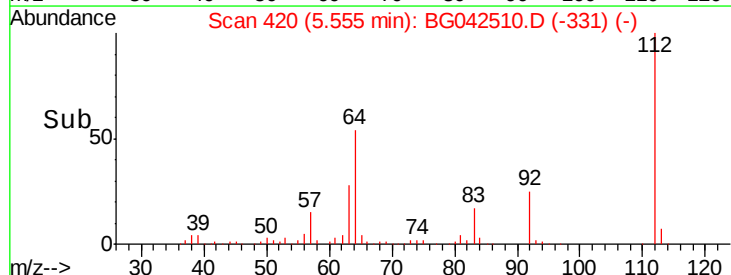
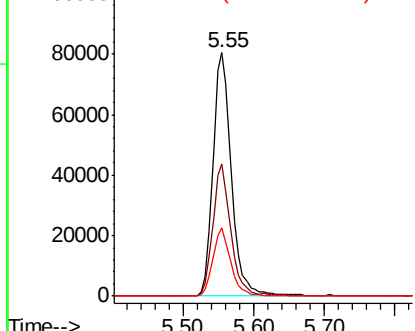
#5

2-Fluorophenol
Concen: 97.173 ng
RT: 5.55 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042510.D
Acq: 27 Aug 2019 18:51

Tgt Ion:112 Resp: 145839
Ion Ratio Lower Upper
112 100
64 54.3 42.8 64.2
63 27.8 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: 93.163 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampled :

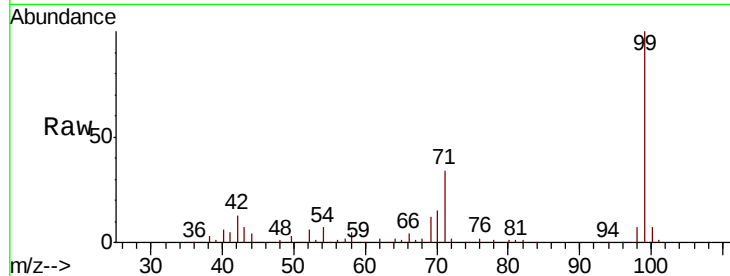
Tot Ion: 99 Resp: 188866

Ion Ratio Lower Upper

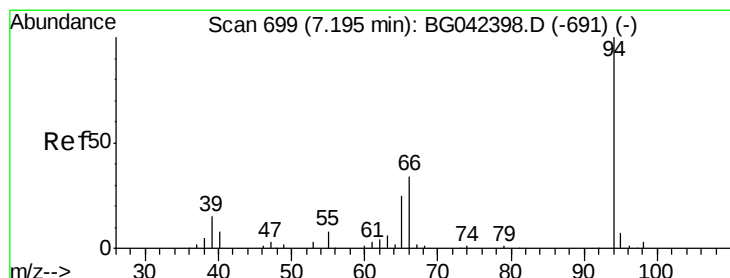
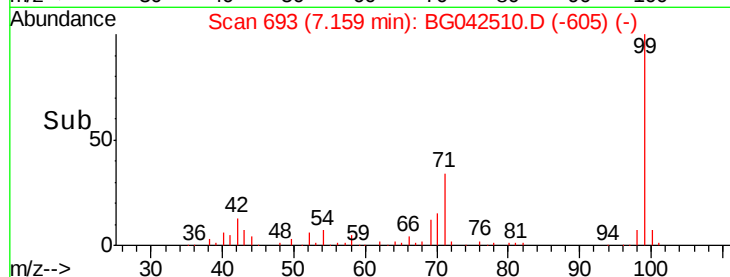
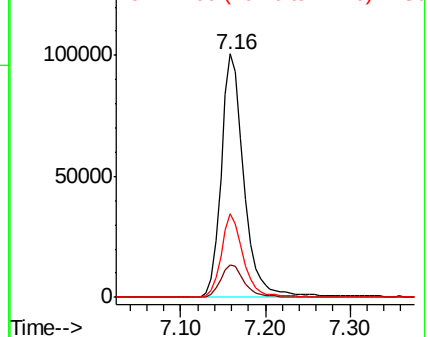
99 100

42 13.5 12.0 18.0

71 34.4 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: 6.869 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

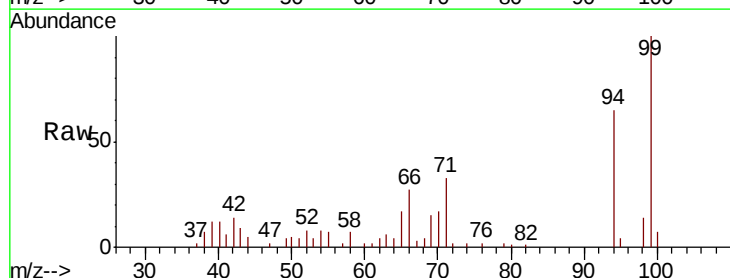
Tgt Ion: 94 Resp: 14158

Ion Ratio Lower Upper

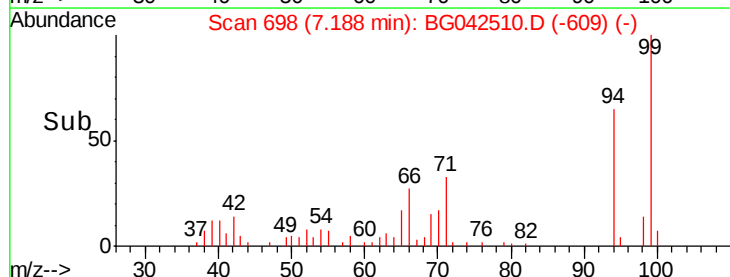
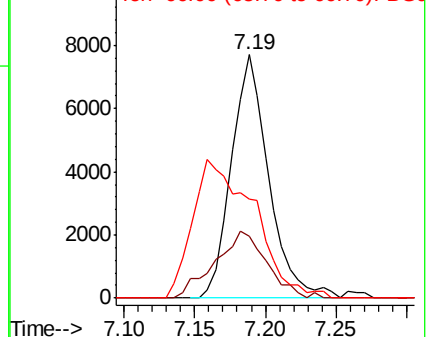
94 100

65 25.4 5.6 45.6

66 40.9 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 10.030 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 13173

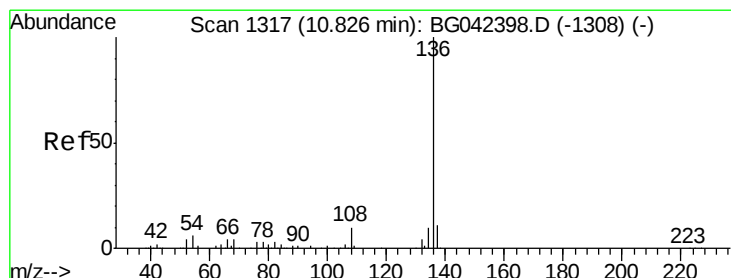
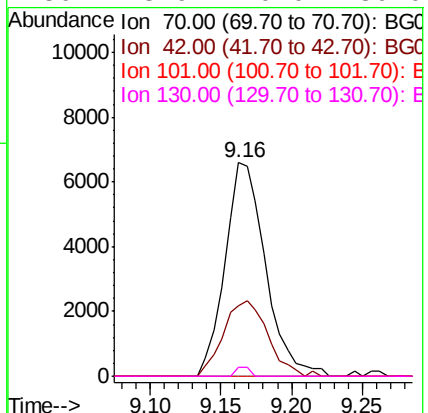
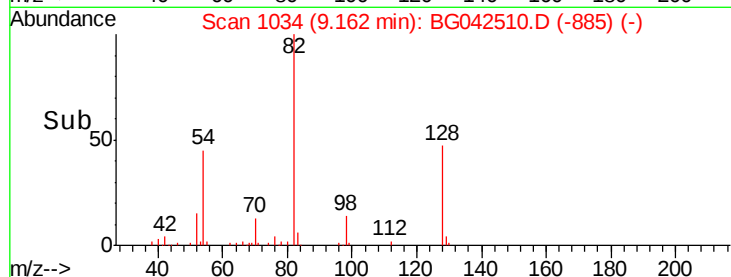
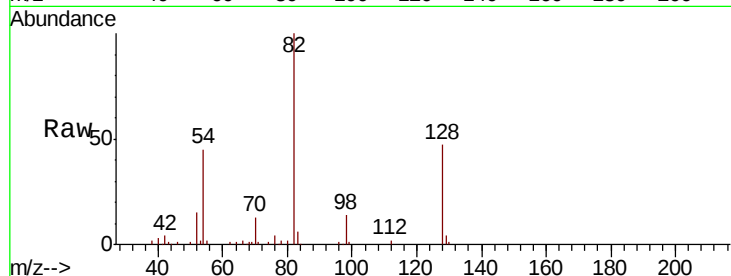
Ion Ratio Lower Upper

70 100

42 33.2 38.8 58.2#

101 0.0 9.0 13.6#

130 3.9 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: BG042510.D

Acq: 27 Aug 2019 18:51

Tgt Ion: 136 Resp: 116295

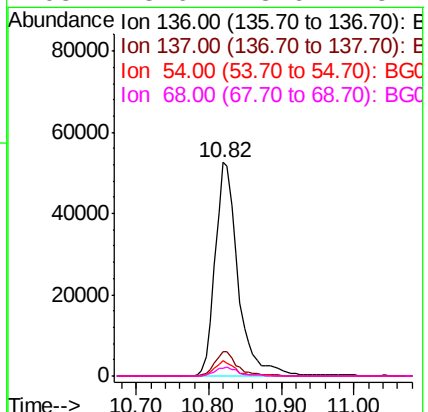
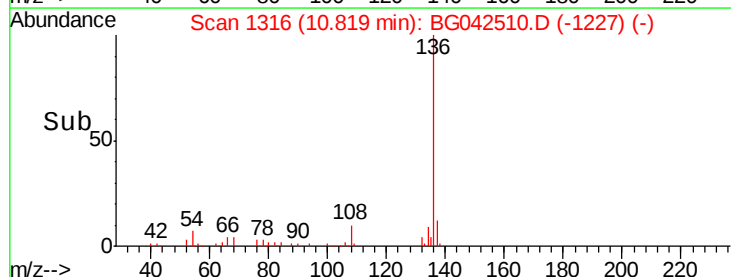
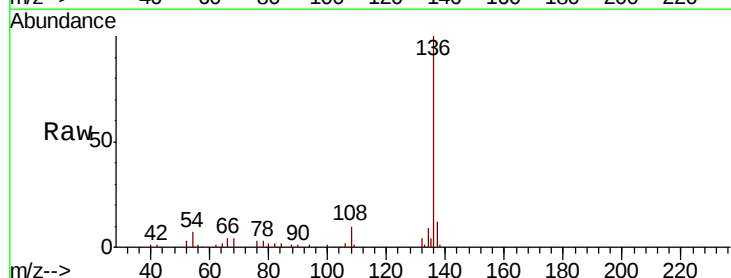
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 7.4 4.9 7.3#

68 3.6 3.6 5.4

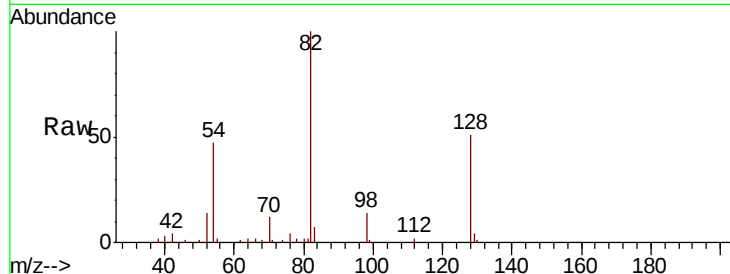




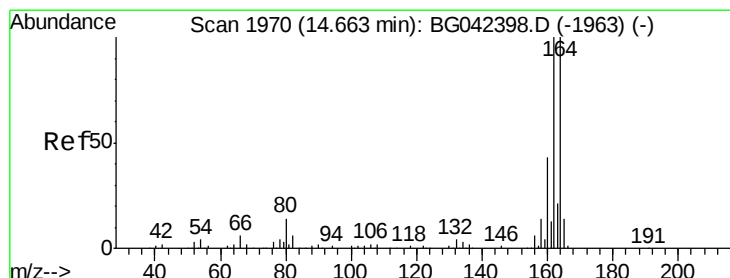
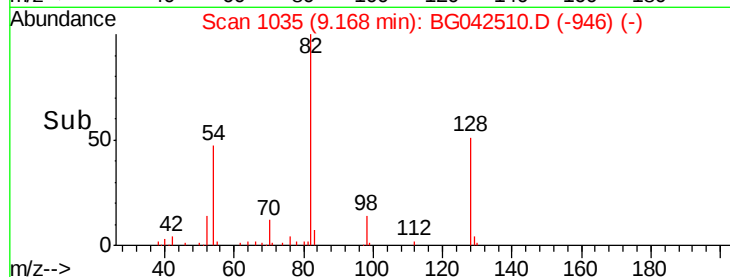
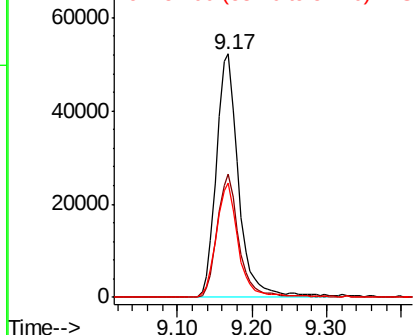
#23
 Nitrobenzene-d5
 Concen: 64.491 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 108532
 Ion Ratio Lower Upper
 82 100
 128 50.6 40.7 61.1
 54 46.7 36.3 54.5

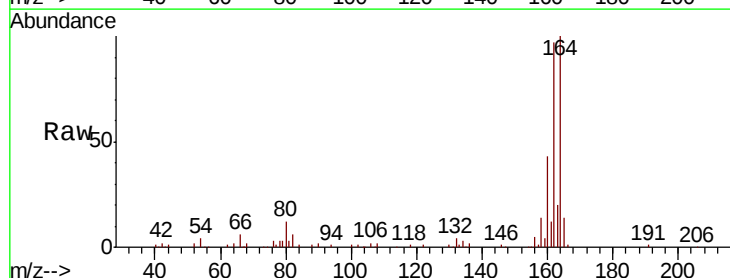


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

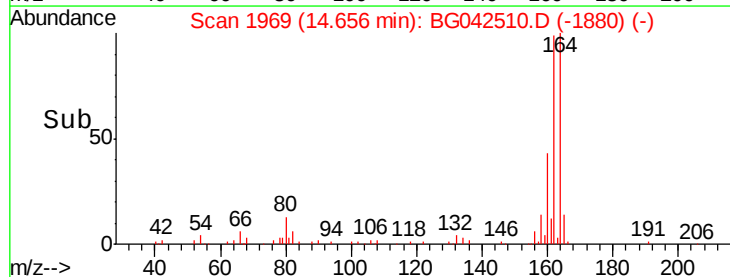
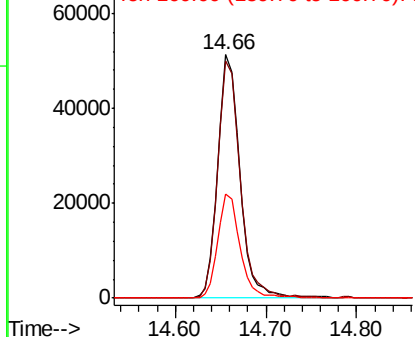


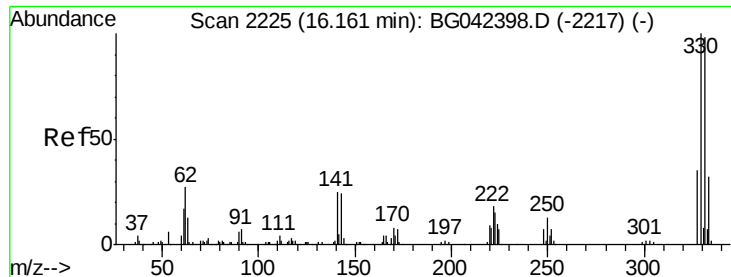
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Tgt Ion:164 Resp: 86932
 Ion Ratio Lower Upper
 164 100
 162 97.4 79.9 119.9
 160 42.7 34.3 51.5



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





#42

2,4,6-Tribromophenol

Concen: 87.931 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042510.D

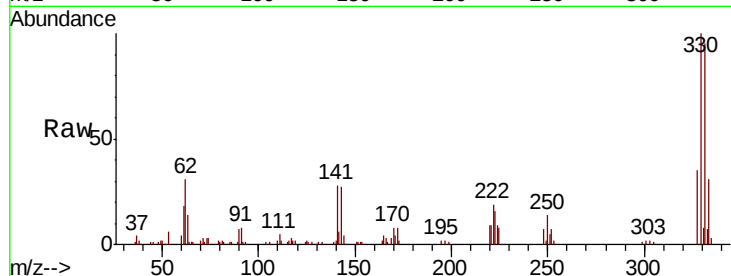
Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	330	Resp:	108647
Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.4	116.0
141	26.6	21.4	32.0

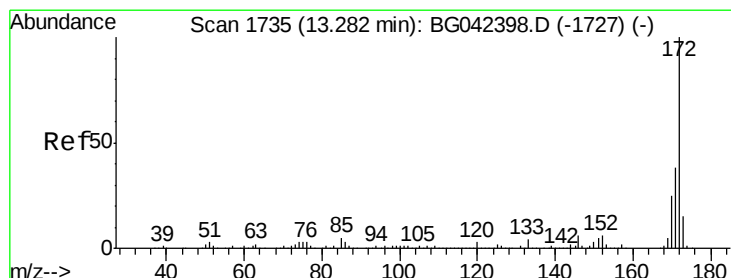
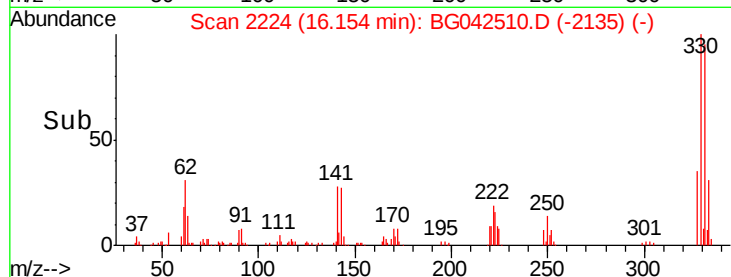
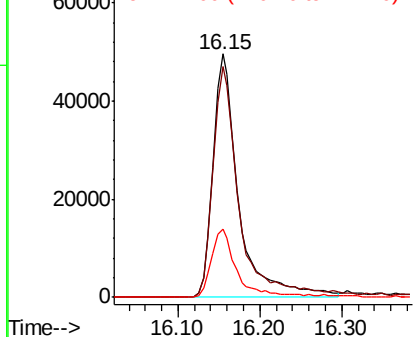


Abundance

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: 60.239 ng

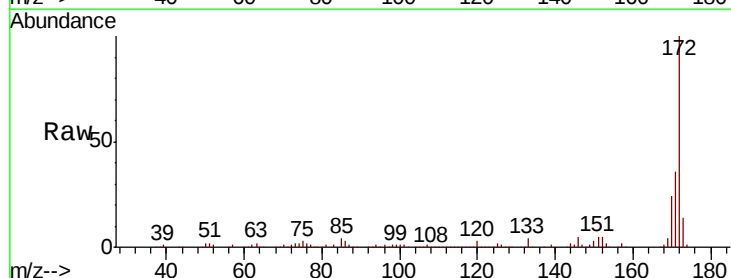
RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Tgt Ion:	172	Resp:	309626
Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.5	45.7
170	24.1	20.2	30.2

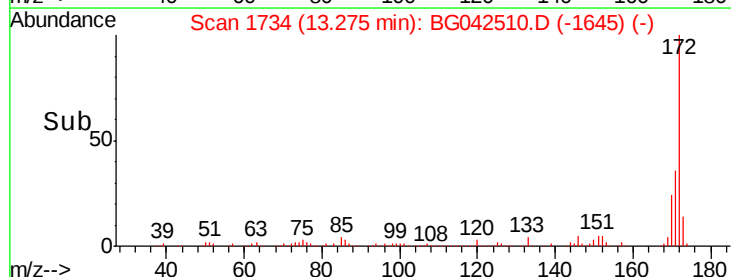
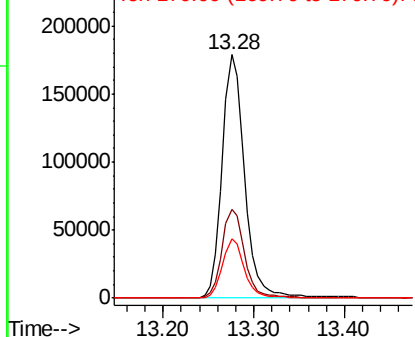


Abundance

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: 5.776 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

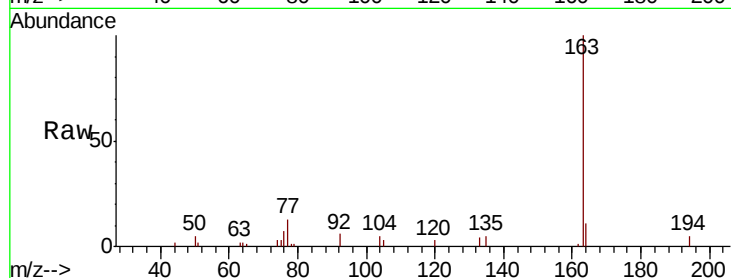
Tot Ion:163 Resp: 36231

Ion Ratio Lower Upper

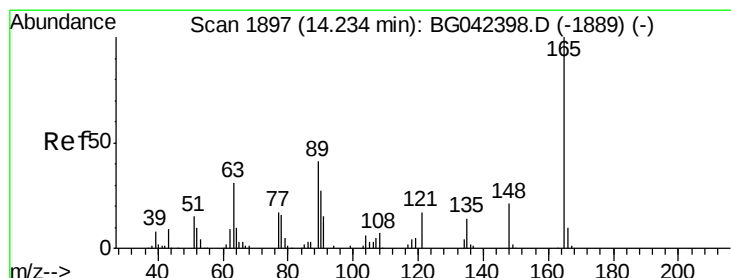
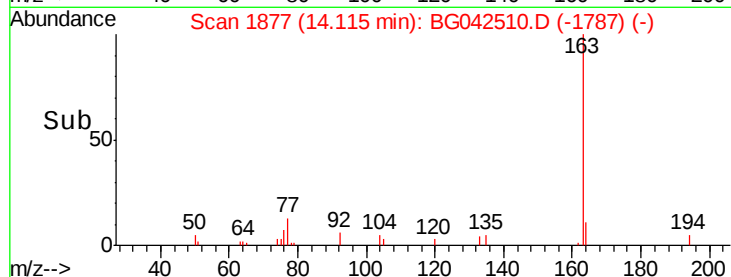
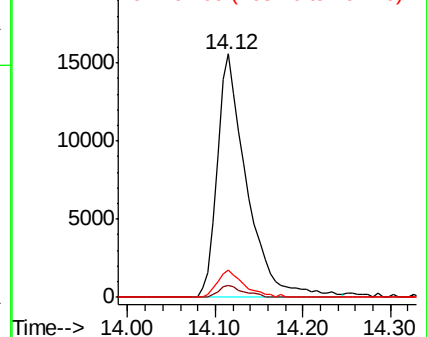
163 100

194 4.8 4.2 6.2

164 11.4 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: 7.815 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

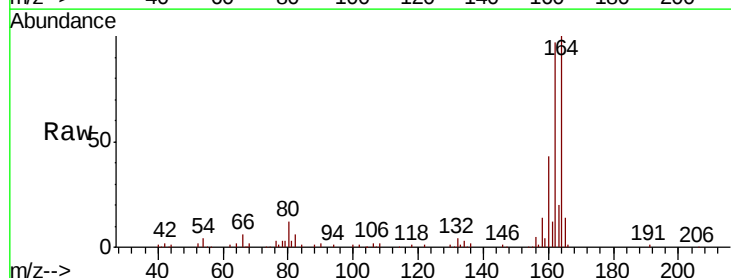
Tgt Ion:165 Resp: 11362

Ion Ratio Lower Upper

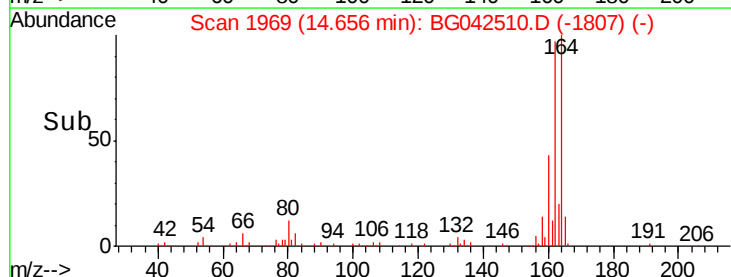
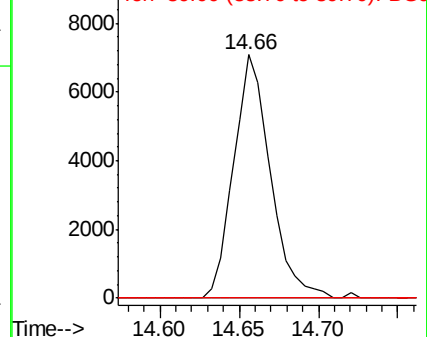
165 100

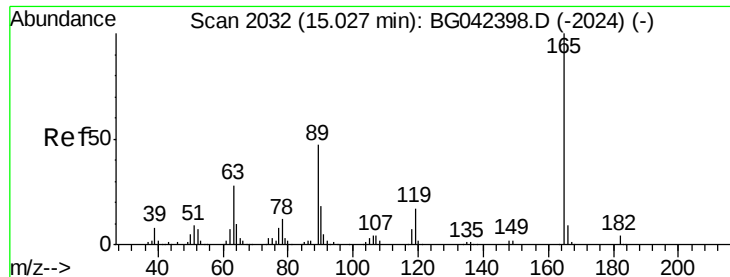
63 0.0 30.6 45.8#

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

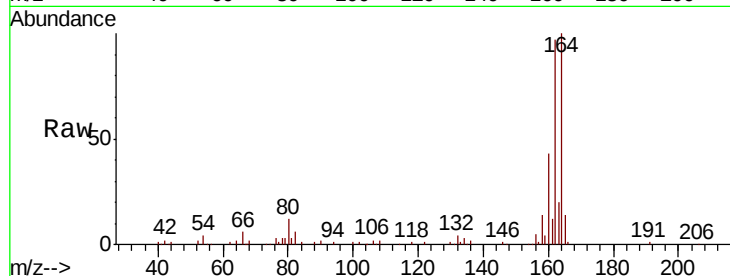




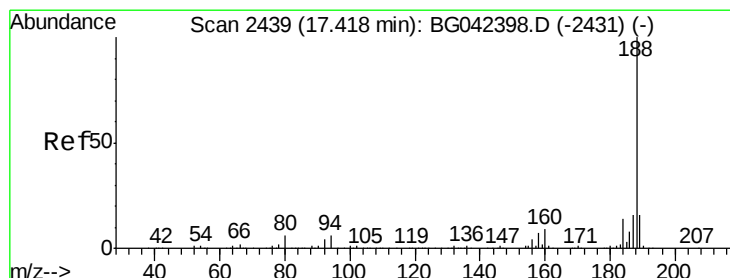
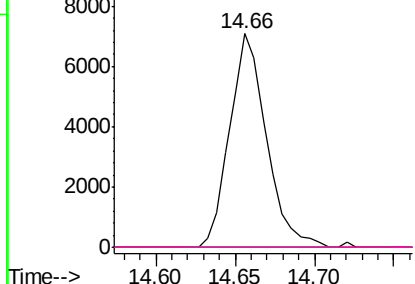
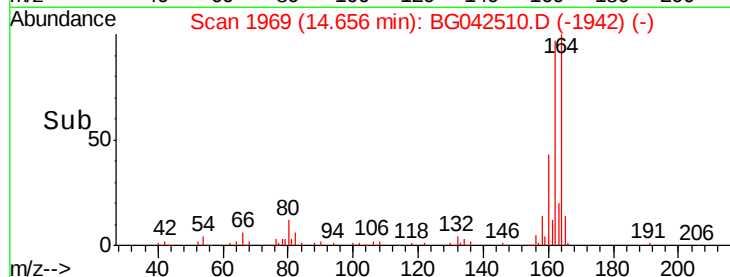
#57
 2,4-Dinitrotoluene
 Concen: 5.457 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 11362
 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#

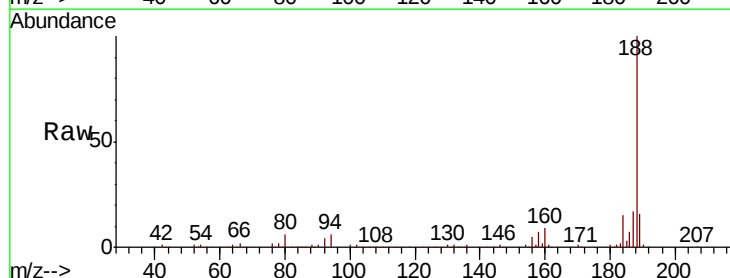


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

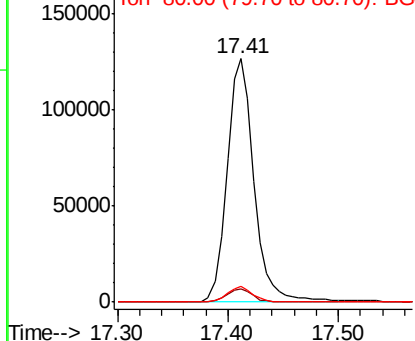
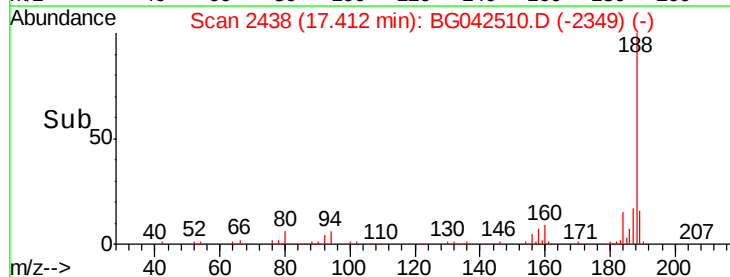


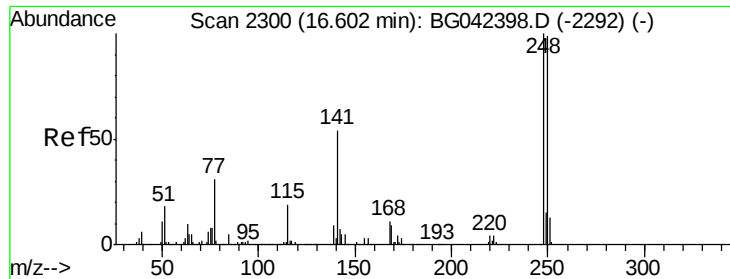
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Tgt Ion:188 Resp: 215878
 Ion Ratio Lower Upper
 188 100
 94 5.6 4.5 6.7
 80 6.4 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

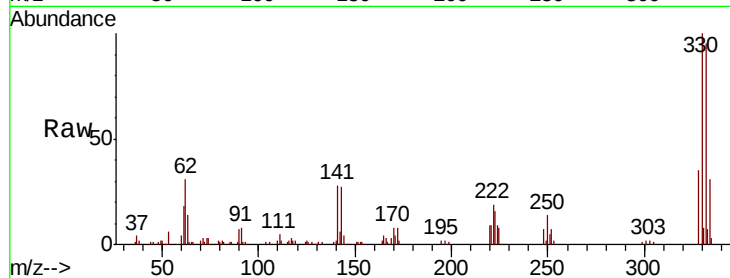




#67
 4-Bromophenyl-phenylether
 Concen: 2.680 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	186.0	78.9	118.3#
141	382.7	43.3	64.9#

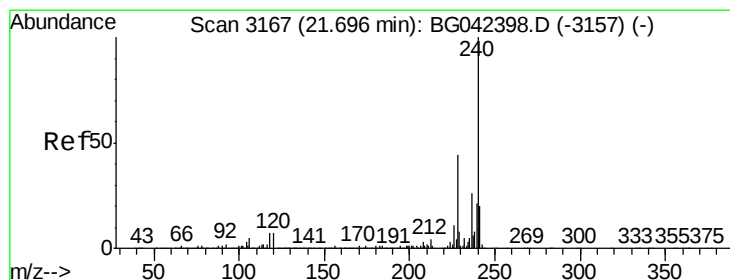
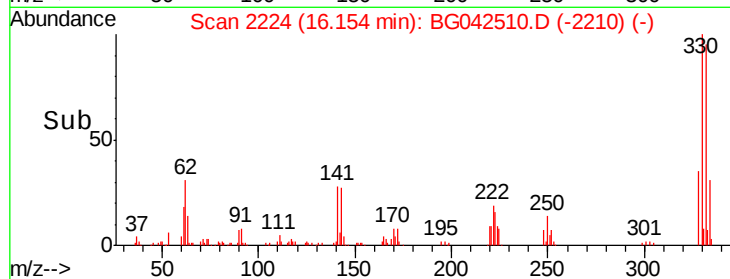
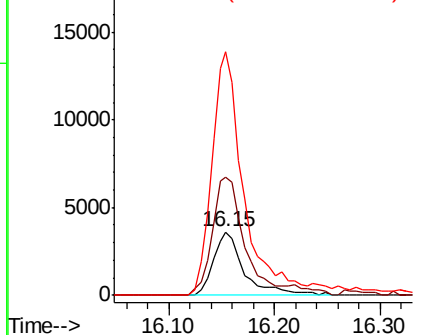


Abundance

Ion 248.00 (247.70 to 248.70): E

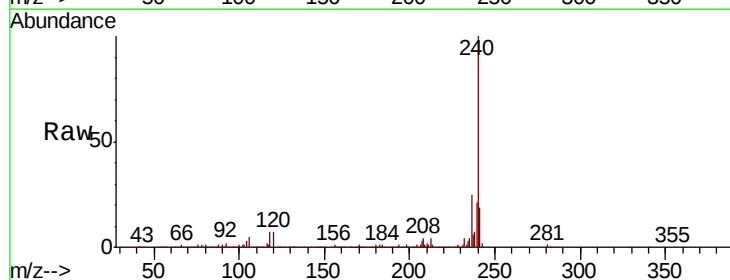
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042510.D
 Acq: 27 Aug 2019 18:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.8	5.7	8.5
236	25.0	21.0	31.4

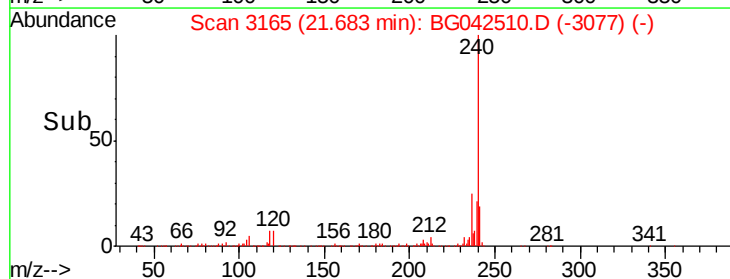
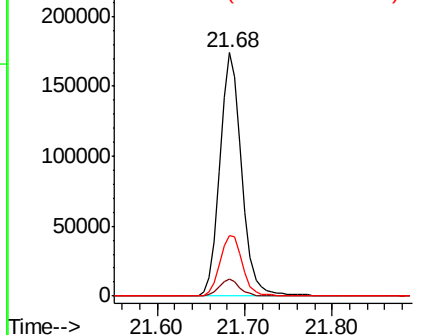


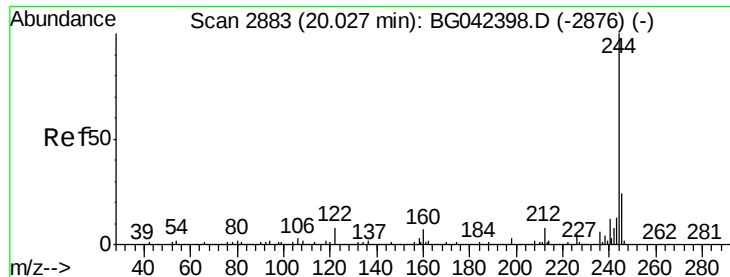
Abundance

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: 51.957 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

Instrument :

BNA_G

ClientSampleId :

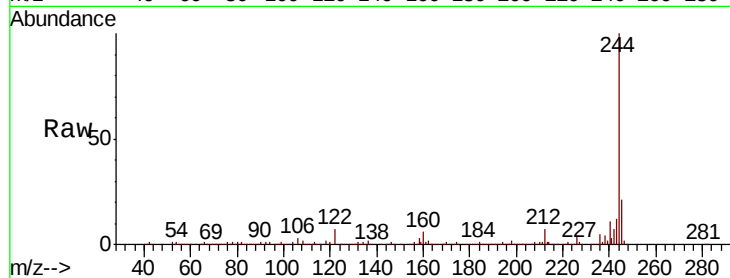
Tot Ion:244 Resp: 722534

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

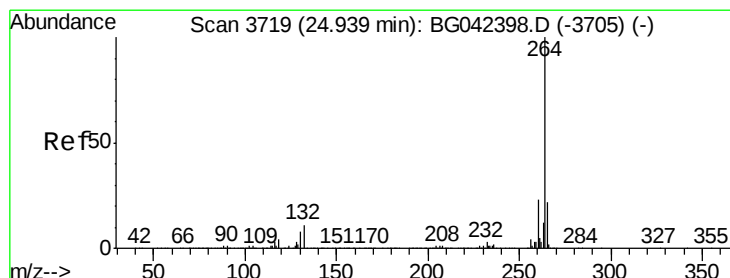
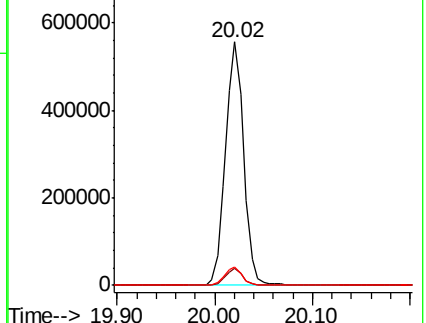
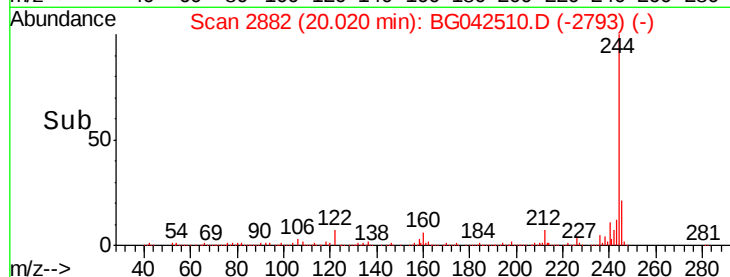
122 7.3 6.7 10.1



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# 3716

Delta R.T. -0.02 min

Lab File: BG042510.D

Acq: 27 Aug 2019 18:51

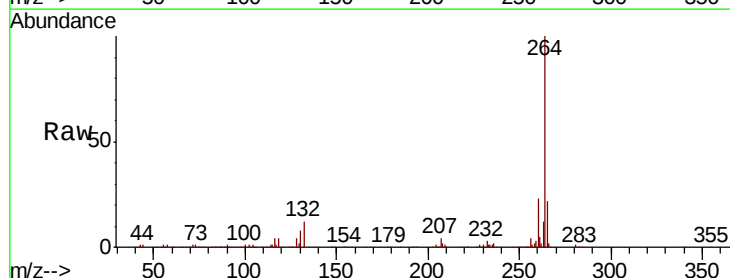
Tgt Ion:264 Resp: 354807

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 22.3 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

