

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
 Data File : BG042662.D
 Acq On : 1 Sep 2019 13:17
 Operator : HP/JU
 Sample : K4547-30RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 07:28:36 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	25108	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	95053	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	77453	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	203182	20.00	ng	0.00
76) Chrysene-d12	21.68	240	235984	20.00	ng	-0.01
87) Perylene-d12	24.92	264	271295	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	157785	127.27	ng	0.00
7) Phenol-d6	7.17	99	190623	113.83	ng	0.00
23) Nitrobenzene-d5	9.17	82	134322	97.65	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	187648	170.45	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	477672	104.31	ng	0.00
79) Terphenyl-d14	20.02	244	1166129	106.83	ng	0.00

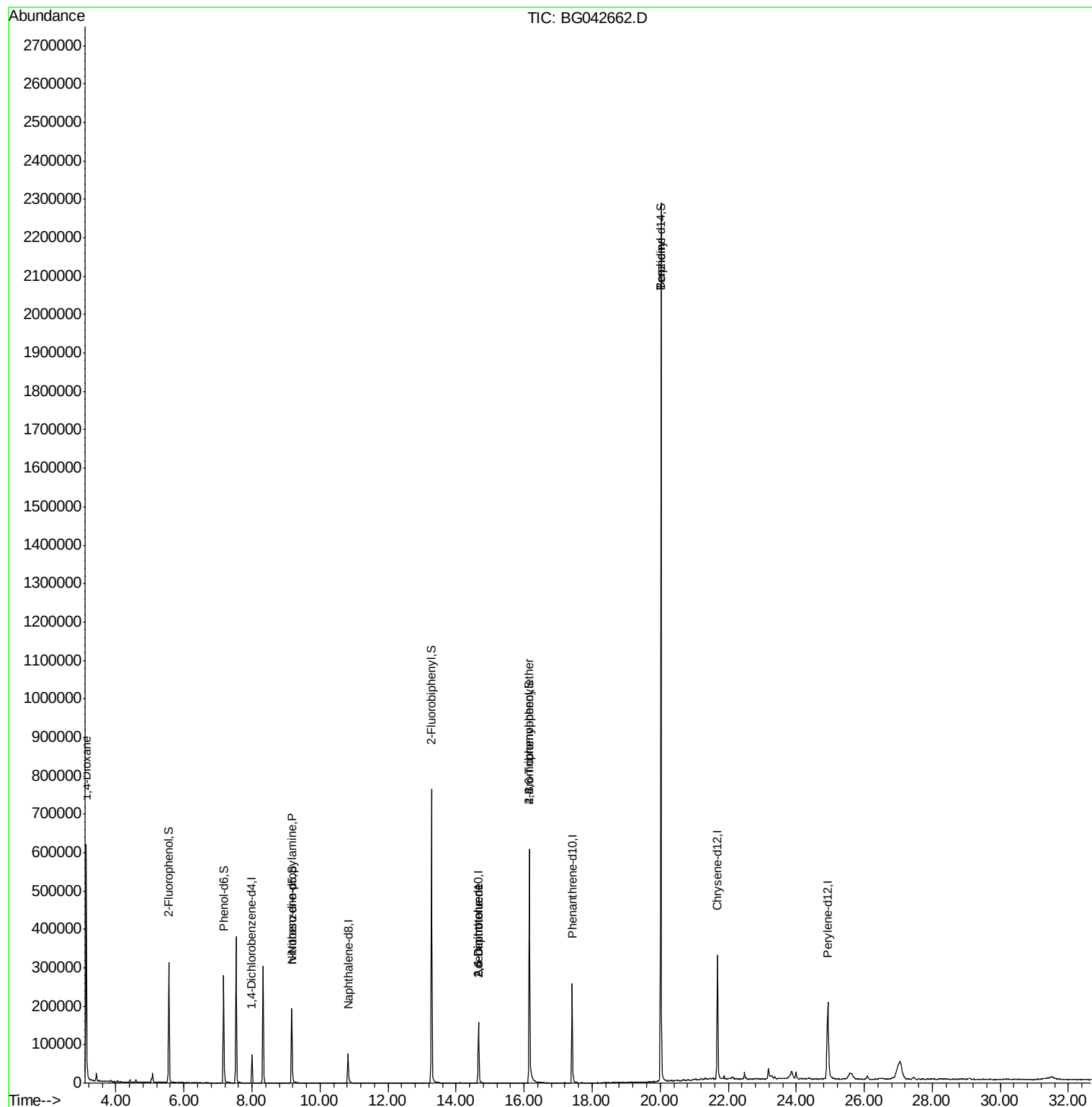
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.13	88	5861	11.329	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	17513	16.143	ng	# 72
51) 2,6-Dinitrotoluene	14.66	165	9984	7.707	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	9984	5.382	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12686	4.922	ng	# 1
77) Benzidine	20.02	184	14526	2.147	ng	96

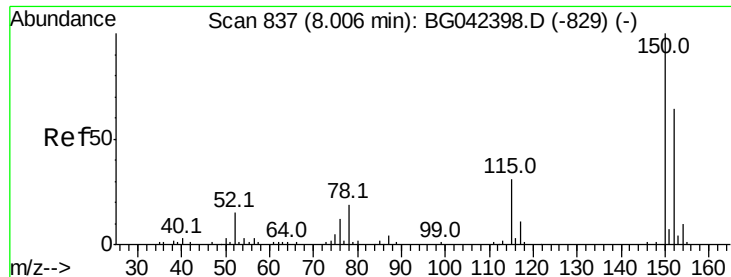
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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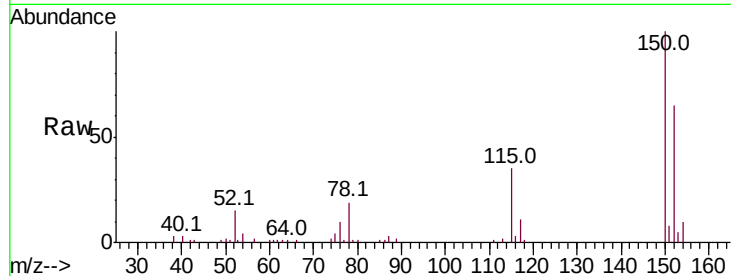


#1

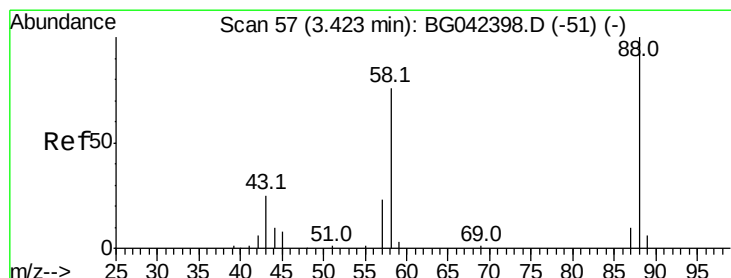
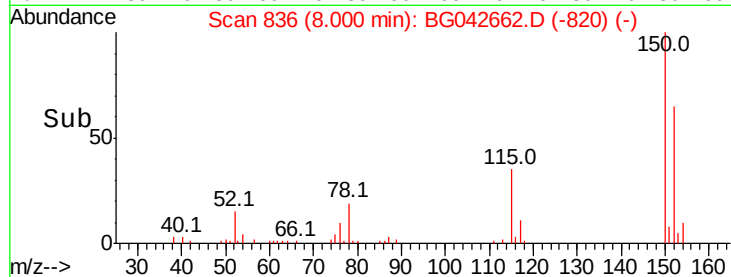
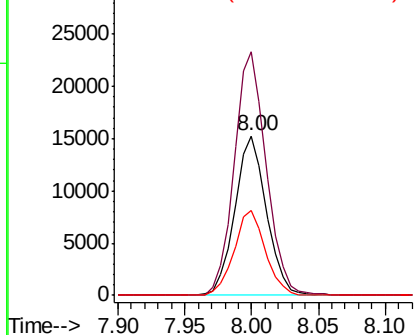
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042662.D
Acq: 1 Sep 2019 13:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25108
Ion Ratio Lower Upper
152 100
150 153.0 125.4 188.0
115 53.1 38.5 57.7



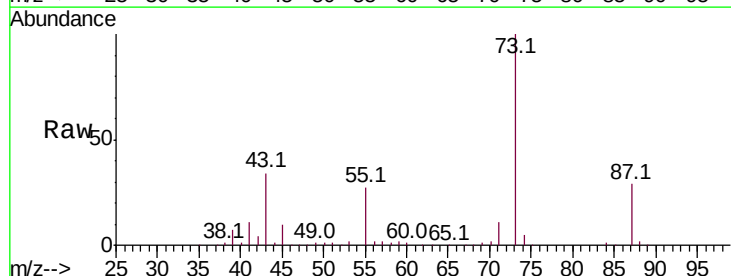
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



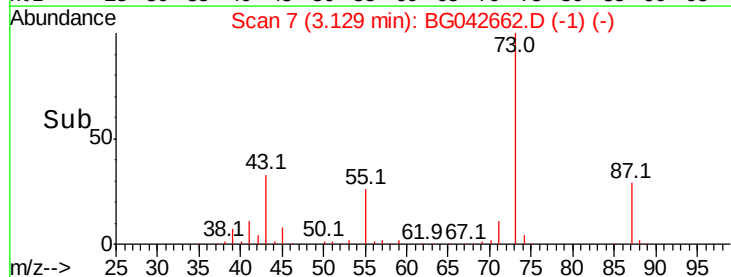
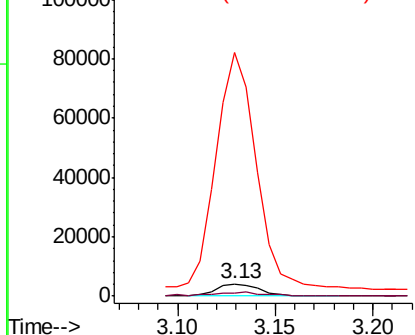
#2

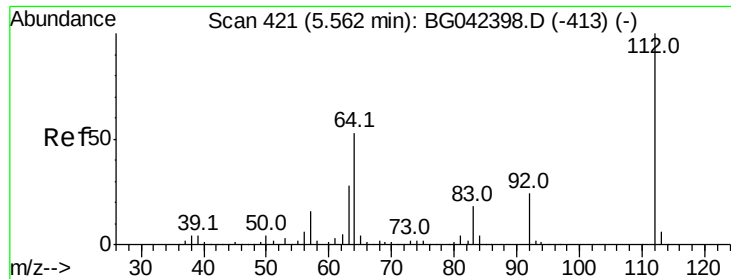
1,4-Dioxane
Concen: 11.329 ng
RT: 3.13 min Scan# 7
Delta R.T. -0.29 min
Lab File: BG042662.D
Acq: 1 Sep 2019 13:17

Tgt Ion: 88 Resp: 5861
Ion Ratio Lower Upper
88 100
58 27.9 58.3 87.5#
43 2054.6 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: 127.274 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042662.D

Acq: 1 Sep 2019 13:17

Instrument :

BNA_G

ClientSampleId :

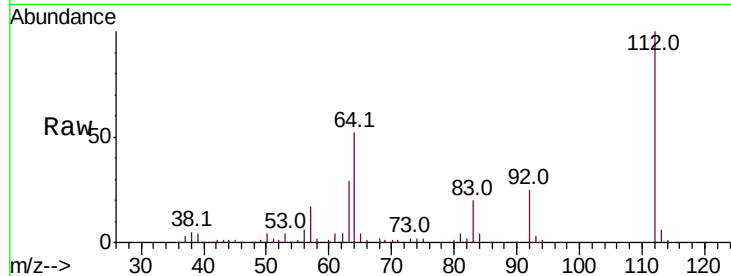
Tot Ion:112 Resp: 157785

Ion Ratio Lower Upper

112 100

64 51.8 42.8 64.2

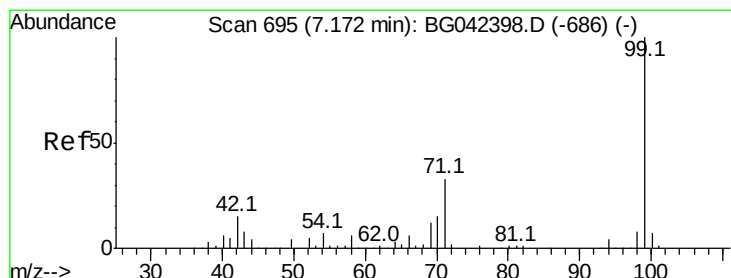
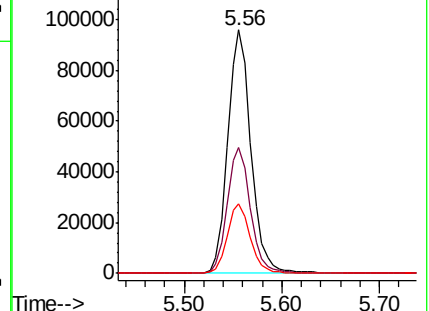
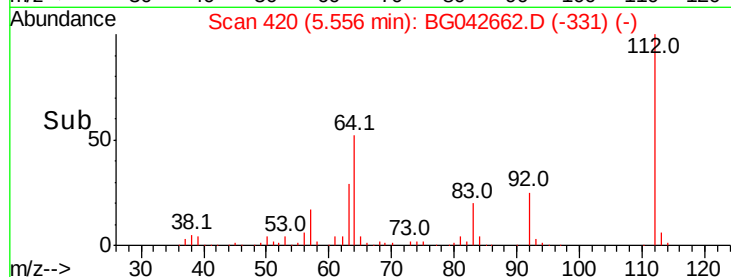
63 28.7 22.7 34.1



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: 113.833 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042662.D

Acq: 1 Sep 2019 13:17

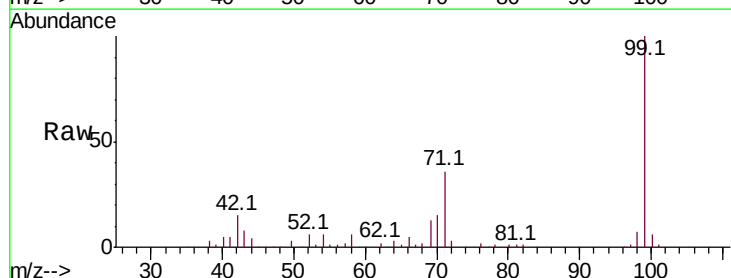
Tgt Ion: 99 Resp: 190623

Ion Ratio Lower Upper

99 100

42 15.1 12.0 18.0

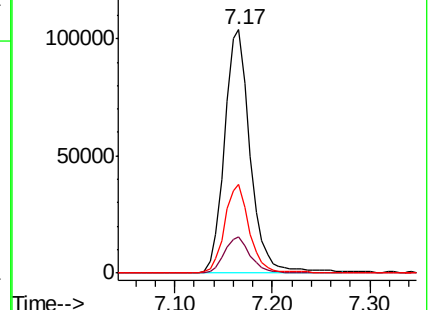
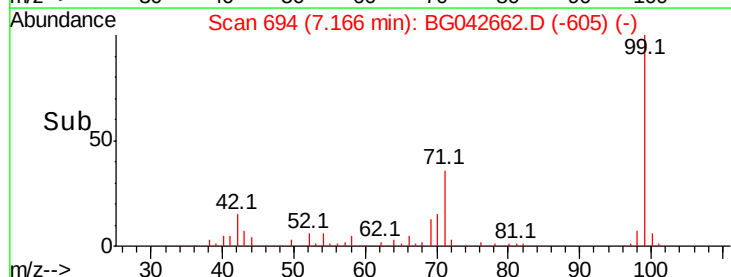
71 36.5 26.3 39.5

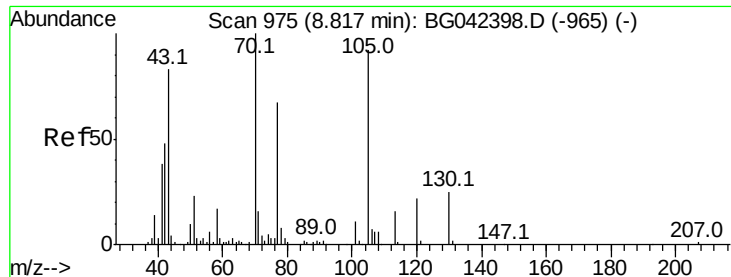


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

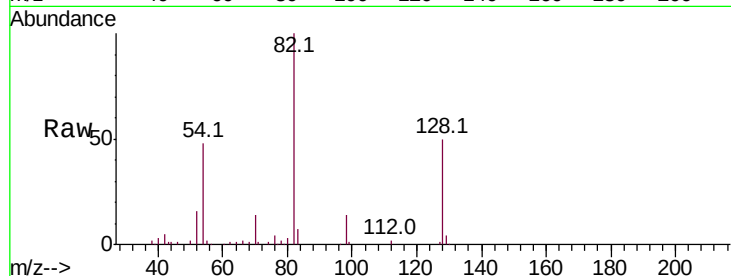




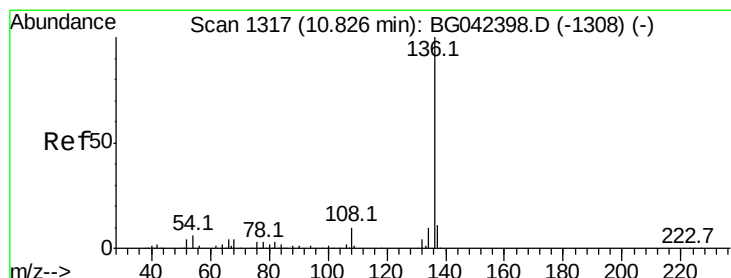
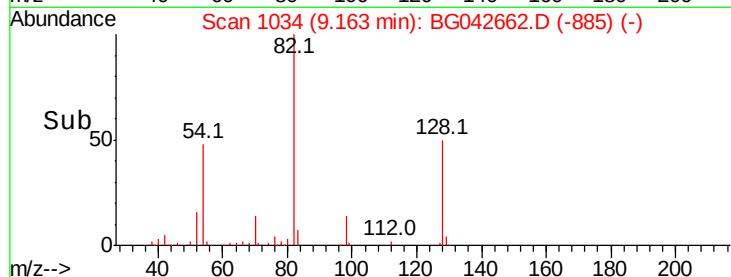
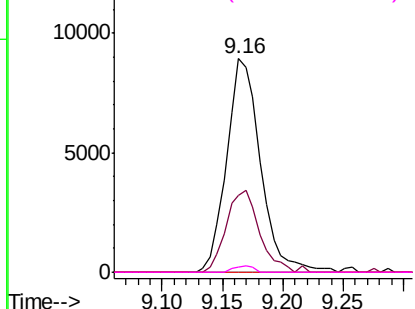
#19
n-Nitroso-di-n-propylamine
Concen: 16.143 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042662.D
Acq: 1 Sep 2019 13:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 17513
Ion Ratio Lower Upper
70 100
42 36.1 38.8 58.2#
101 0.0 9.0 13.6#
130 2.5 20.0 30.0#

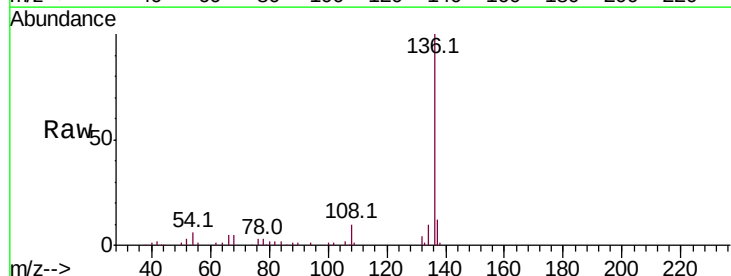


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

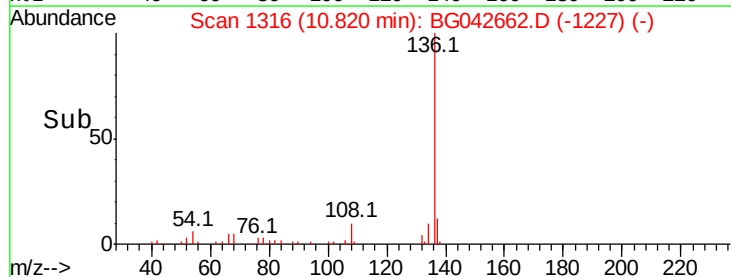
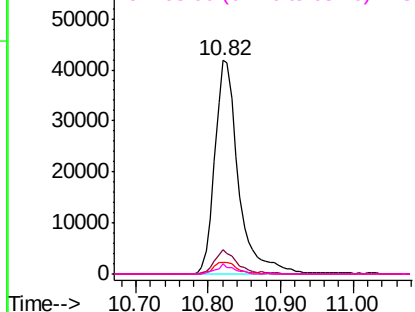


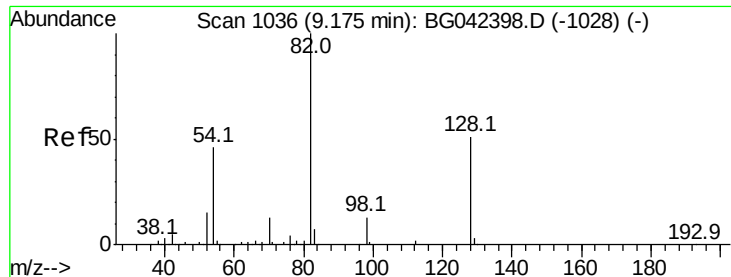
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042662.D
Acq: 1 Sep 2019 13:17

Tgt Ion:136 Resp: 95053
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 5.6 4.9 7.3
68 4.5 3.6 5.4



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

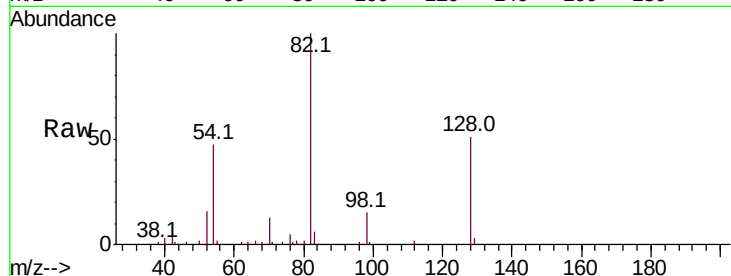




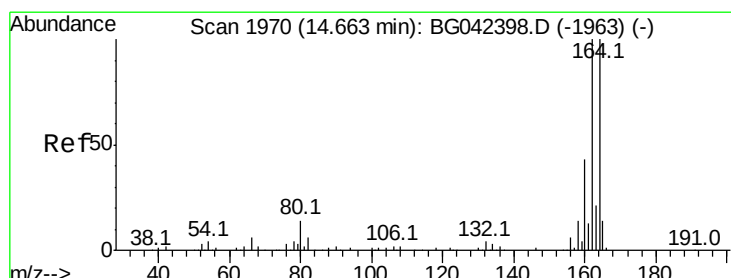
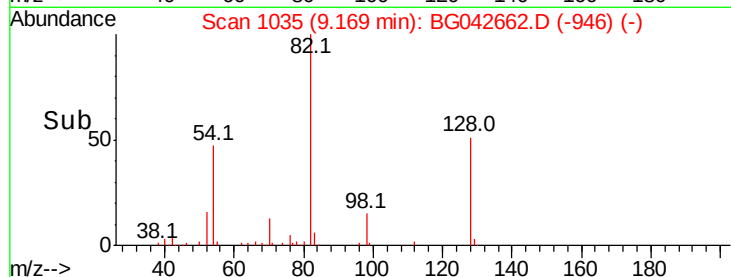
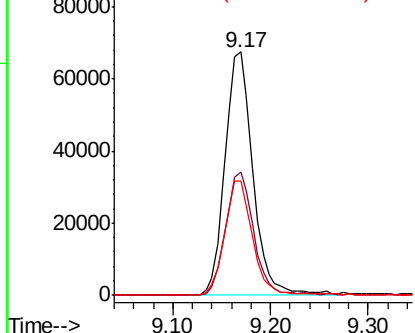
#23
Nitrobenzene-d5
Concen: 97.653 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042662.D
Acq: 1 Sep 2019 13:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	134322
Ion Ratio	100	Lower	Upper
128	50.6	40.7	61.1
54	46.8	36.3	54.5

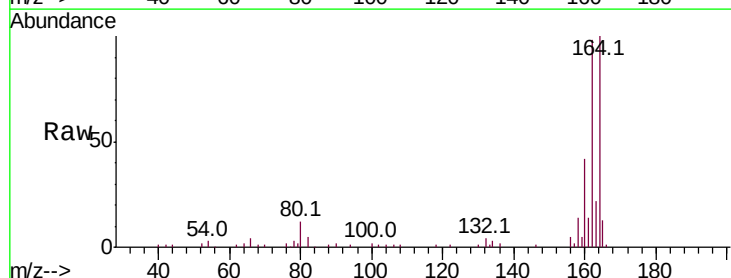


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

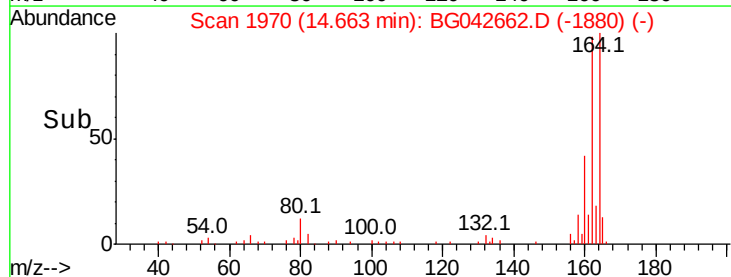
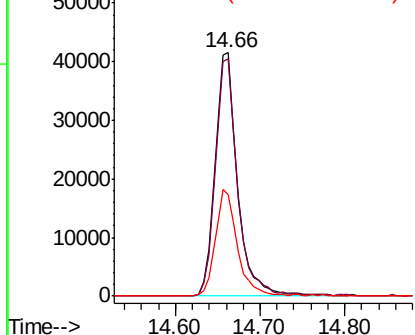


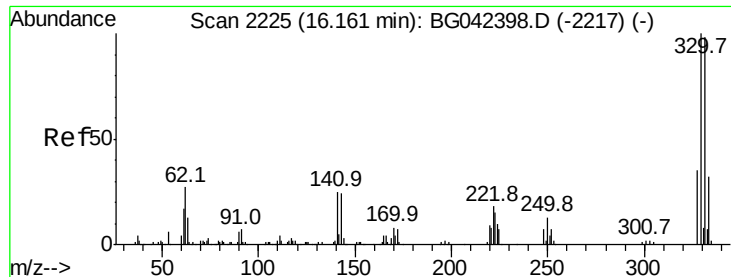
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042662.D
Acq: 1 Sep 2019 13:17

Tgt Ion	164	Resp	77453
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	97.6	79.9	119.9
160	41.5	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

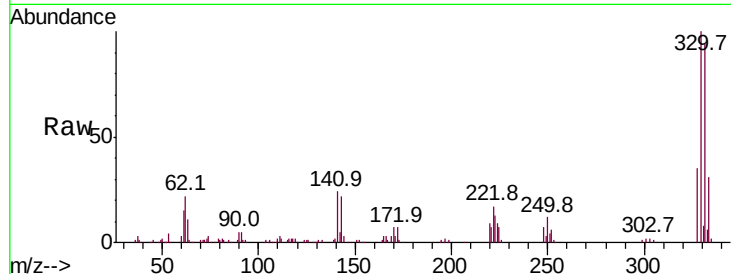




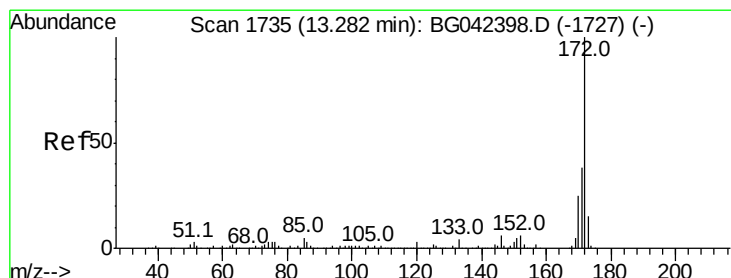
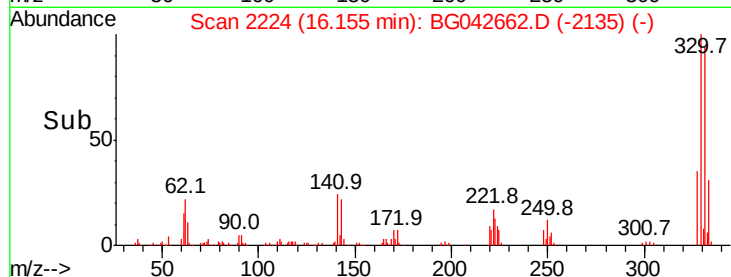
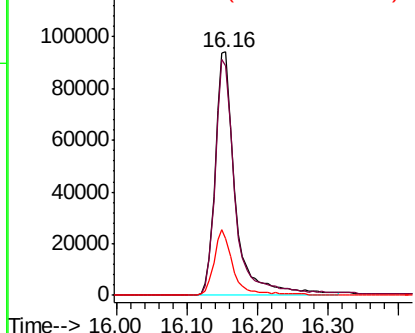
#42
 2,4,6-Tribromophenol
 Concen: 170.455 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042662.D
 Acq: 1 Sep 2019 13:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 187648
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.4 116.0
 141 25.7 21.4 32.0

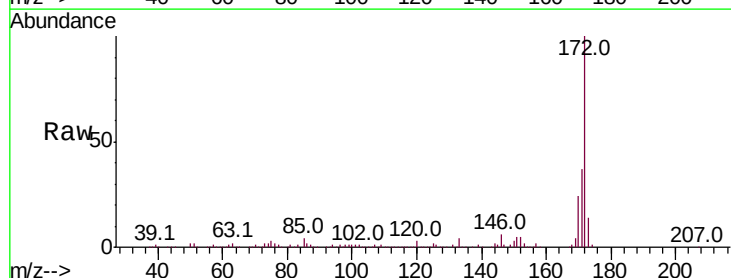


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

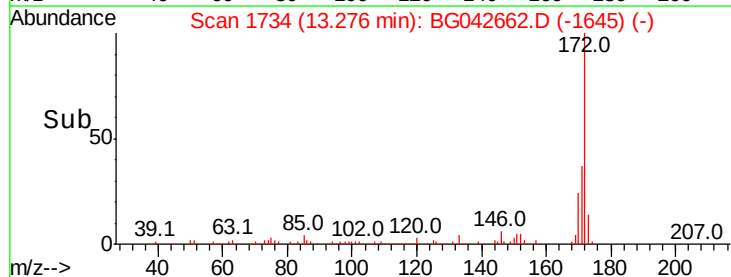
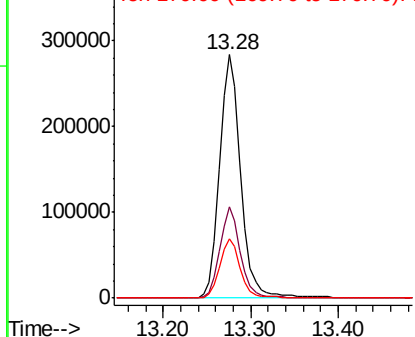


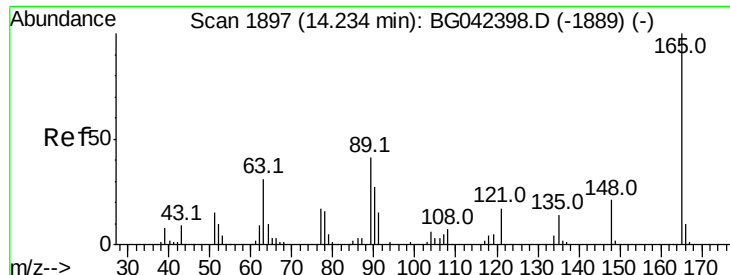
#45
 2-Fluorobiphenyl
 Concen: 104.306 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042662.D
 Acq: 1 Sep 2019 13:17

Tgt Ion:172 Resp: 477672
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.5 45.7
 170 24.2 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

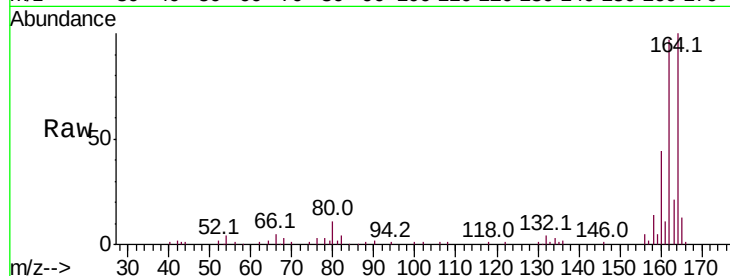




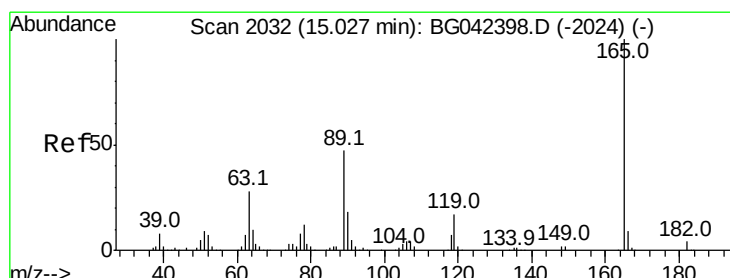
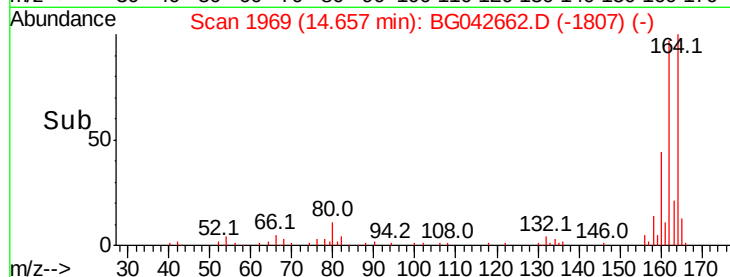
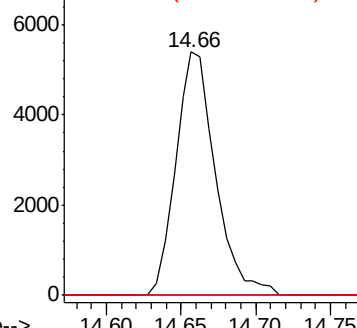
#51
 2,6-Dinitrotoluene
 Concen: 7.707 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042662.D
 Acq: 1 Sep 2019 13:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#



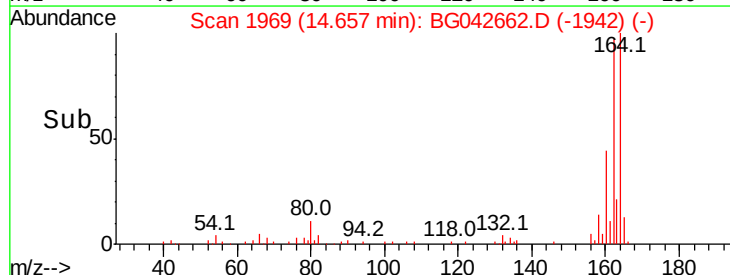
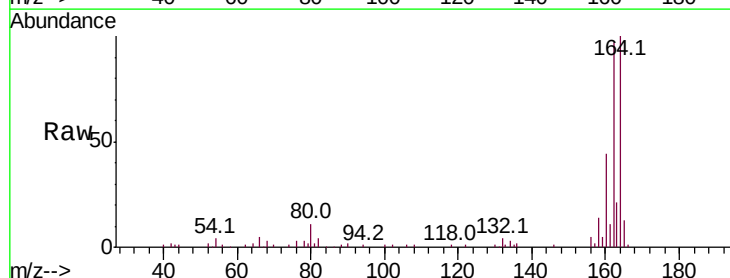
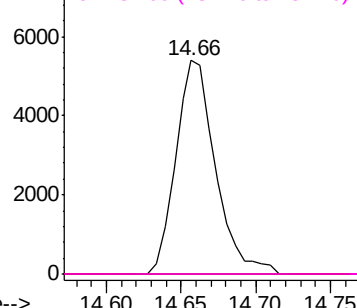
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

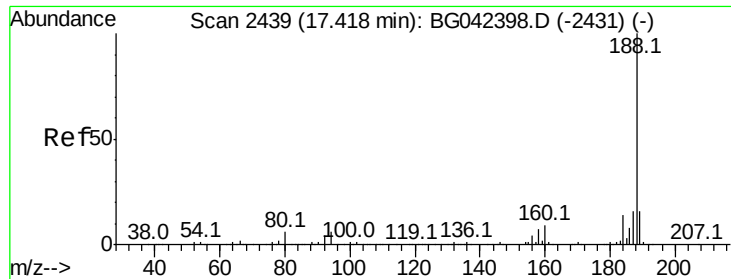


#57
 2,4-Dinitrotoluene
 Concen: 5.382 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042662.D
 Acq: 1 Sep 2019 13:17

Tgt 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: BG042662.D

Acq: 1 Sep 2019 13:17

Instrument :

BNA_G

ClientSampleId :

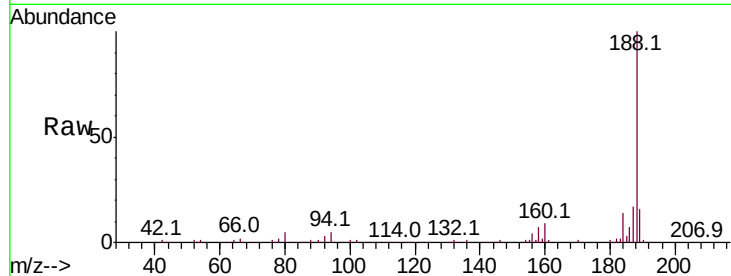
Tot Ion:188 Resp: 203182

Ion Ratio Lower Upper

188 100

94 4.8 4.5 6.7

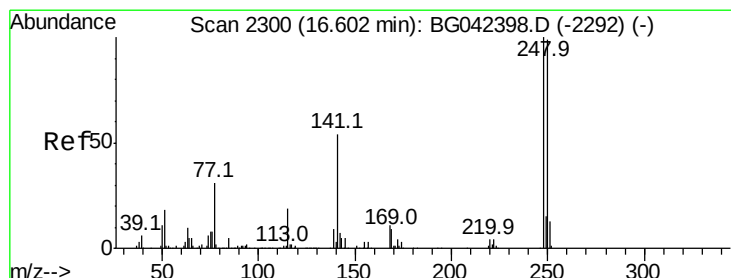
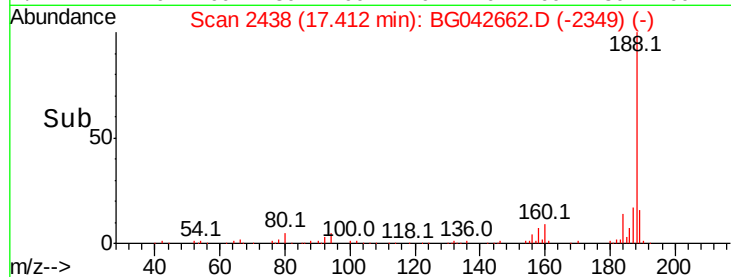
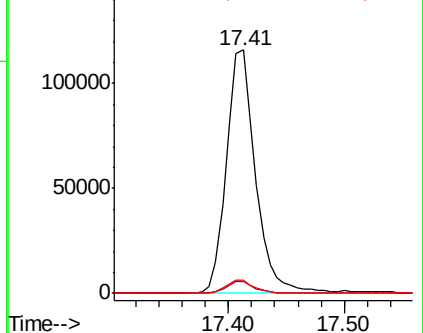
80 5.3 4.9 7.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.922 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042662.D

Acq: 1 Sep 2019 13:17

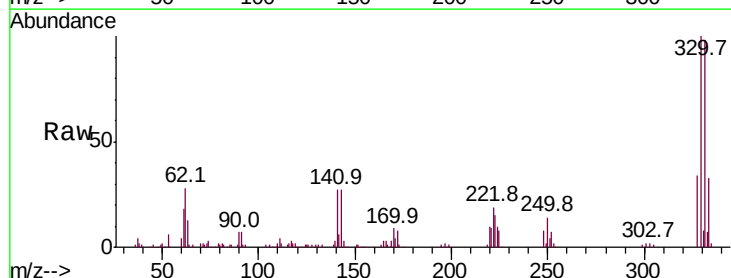
Tgt Ion:248 Resp: 12686

Ion Ratio Lower Upper

248 100

250 186.3 78.9 118.3#

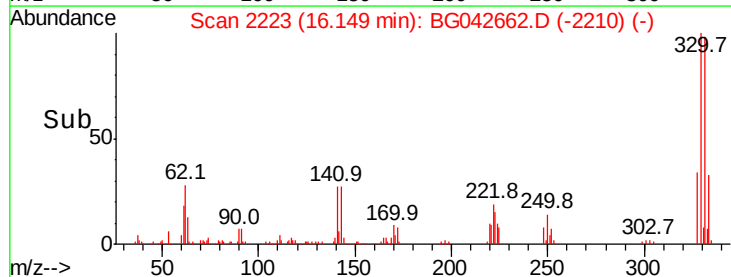
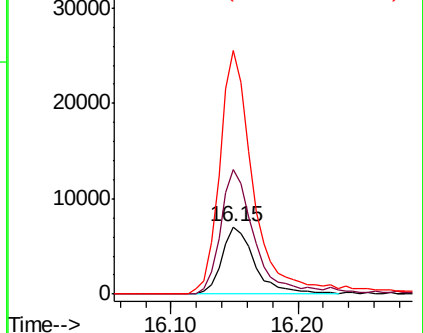
141 363.2 43.3 64.9#

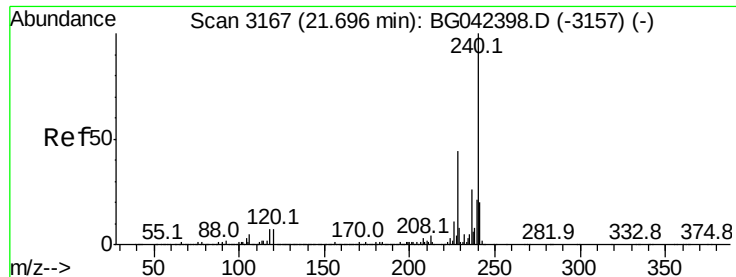


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG042662.D

Acq: 1 Sep 2019 13:17

Instrument :

BNA_G

ClientSampleId :

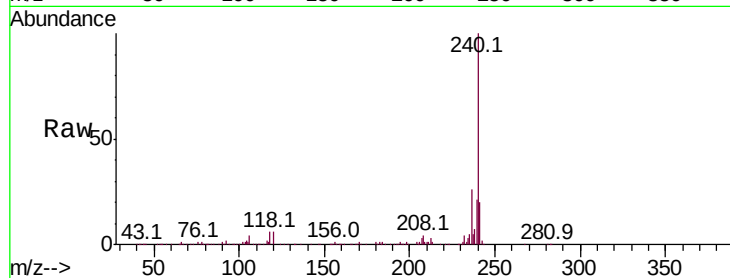
Tot Ion:240 Resp: 235984

Ion Ratio Lower Upper

240 100

120 5.7 5.7 8.5

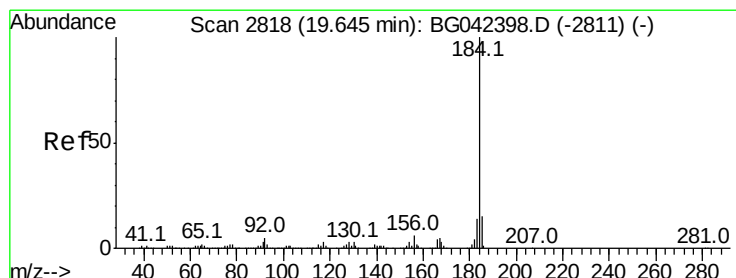
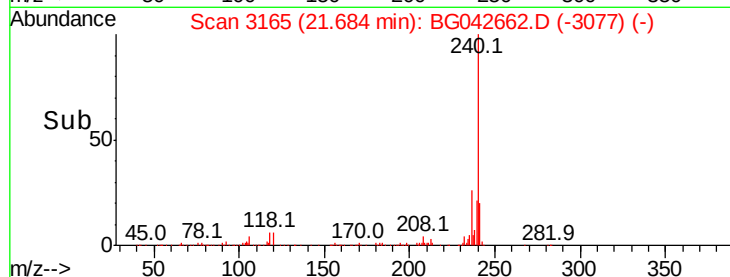
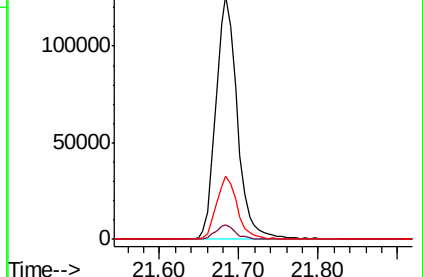
236 25.8 21.0 31.4



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



#77

Benzidine

Concen: 2.147 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.38 min

Lab File: BG042662.D

Acq: 1 Sep 2019 13:17

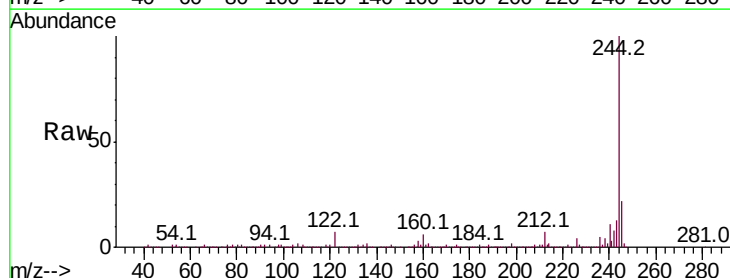
Tgt Ion:184 Resp: 14526

Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.4

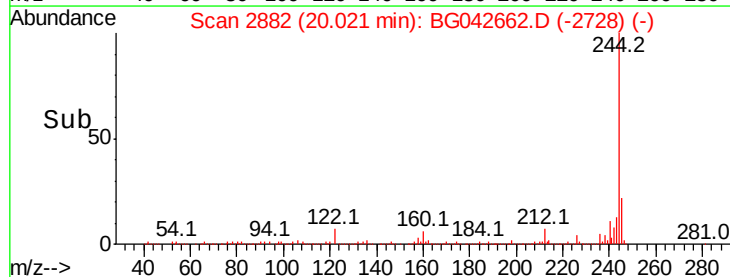
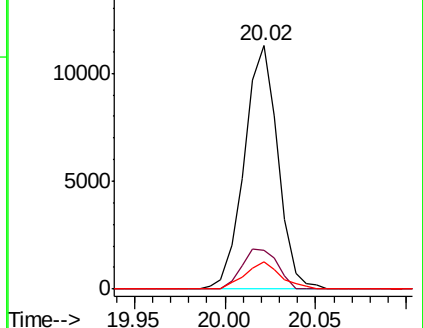
183 11.0 10.8 16.2

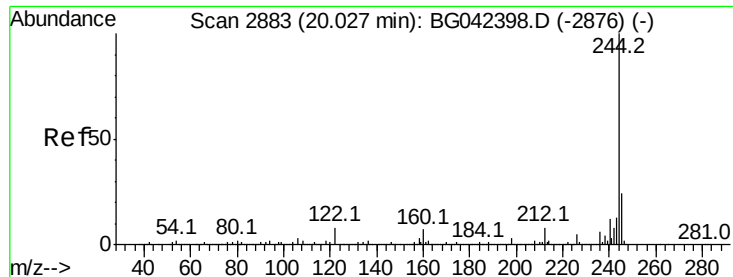


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 106.833 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042662.D

Acq: 1 Sep 2019 13:17

Instrument :

BNA_G

ClientSampleId :

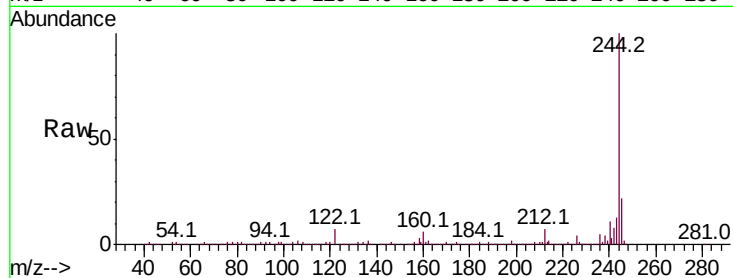
Tot Ion:244 Resp: 1166129

Ion Ratio Lower Upper

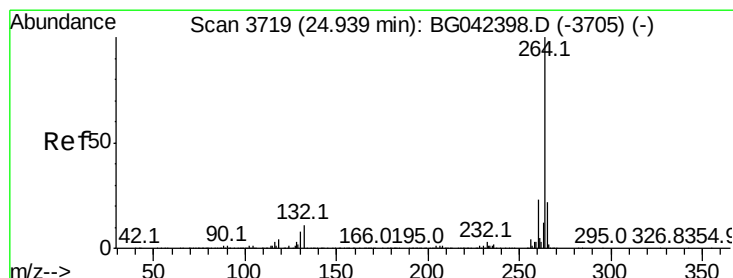
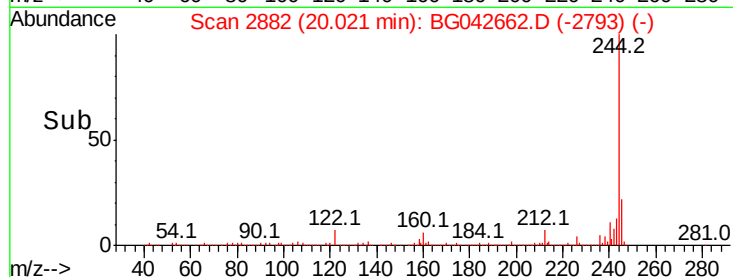
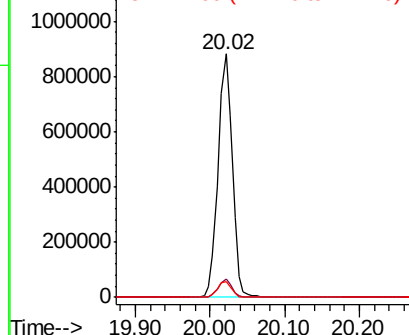
244 100

212 7.4 6.0 9.0

122 6.7 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: BG042662.D

Acq: 1 Sep 2019 13:17

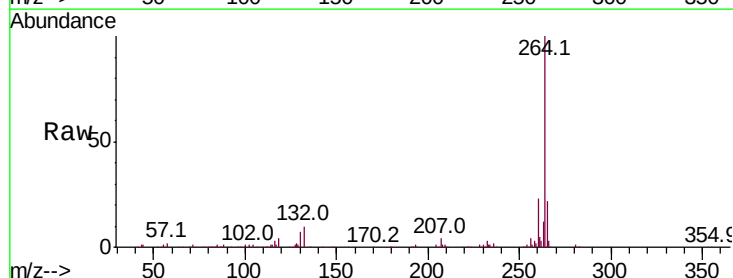
Tgt Ion:264 Resp: 271295

Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 22.0 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

