

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\
 Data File : BG042465.D
 Acq On : 24 Aug 2019 13:26
 Operator : HP/JU
 Sample : K4493-26
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 05:01:16 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	74332	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	288671	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	193677	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	401149	20.00	ng	0.00
76) Chrysene-d12	21.69	240	393931	20.00	ng	-0.01
87) Perylene-d12	24.93	264	456179	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	490789	133.72	ng	0.00
7) Phenol-d6	7.17	99	613032	123.66	ng	0.00
23) Nitrobenzene-d5	9.17	82	440002	105.33	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	346084	125.72	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1207566	105.45	ng	0.00
79) Terphenyl-d14	20.03	244	1803714	98.99	ng	0.00

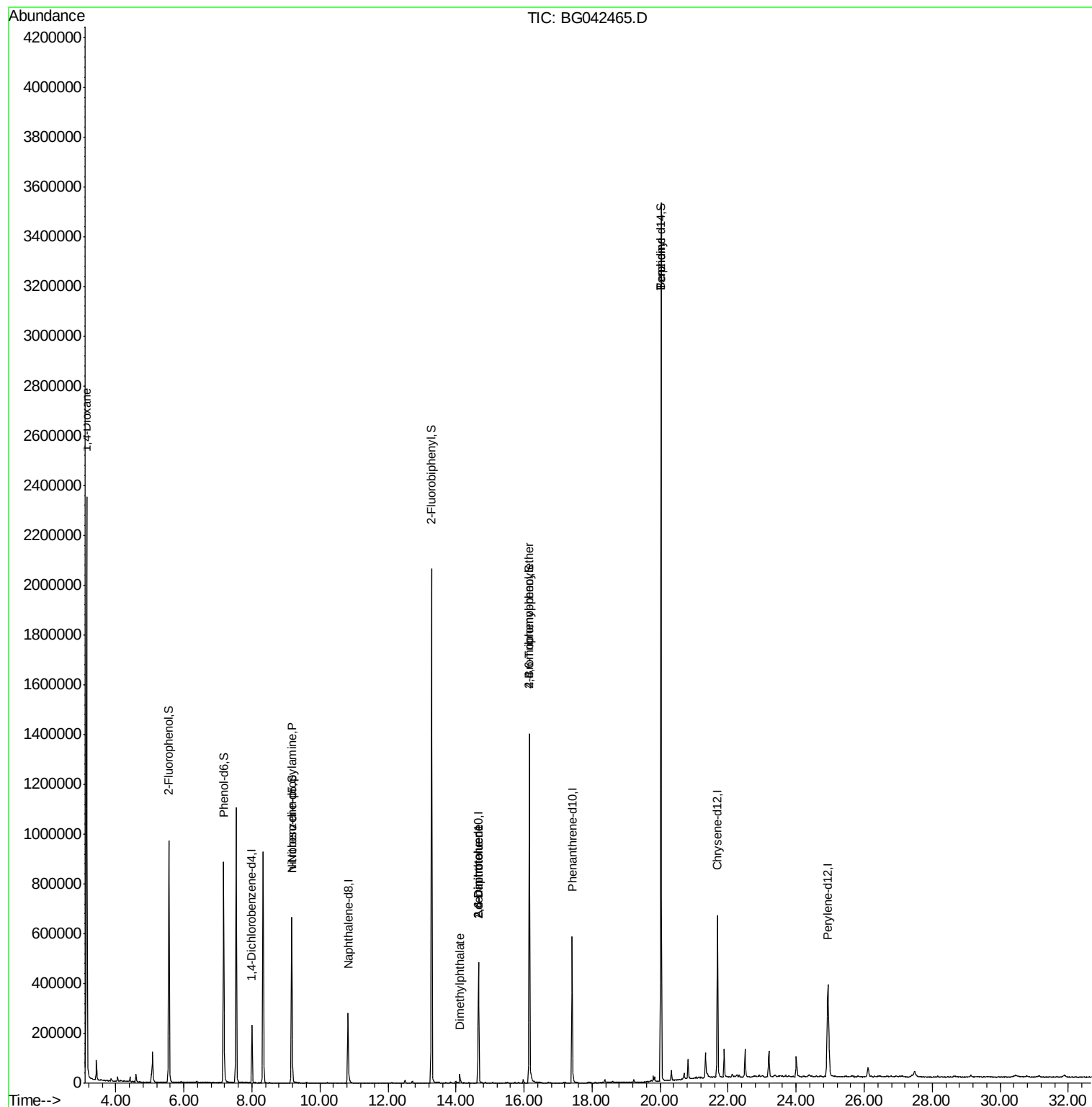
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	27519	17.967	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	56599	17.622	ng	# 75
50) Dimethylphthalate	14.11	163	38036	2.722	ng	# 98
51) 2,6-Dinitrotoluene	14.66	165	25547	7.887	ng	# 37
57) 2,4-Dinitrotoluene	14.66	165	25547	5.508	ng	# 39
67) 4-Bromophenyl-phenylether	16.15	248	25344	4.981	ng	# 1
77) Benzidine	20.02	184	25784	2.283	ng	# 91

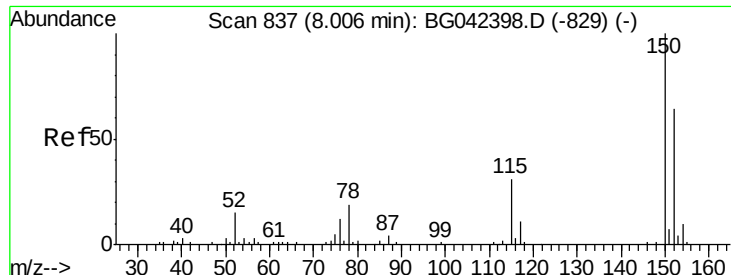
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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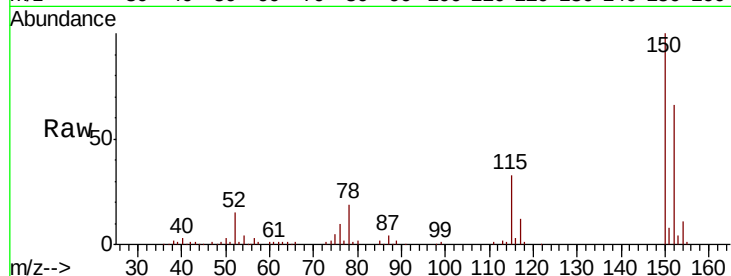


#1

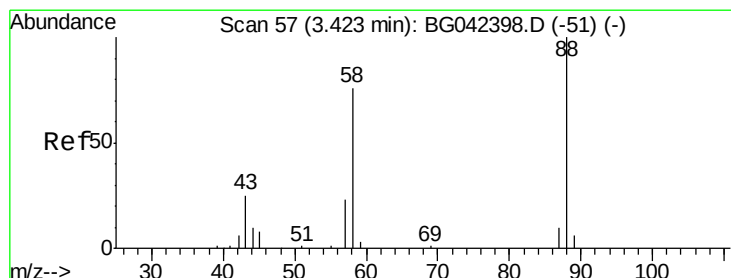
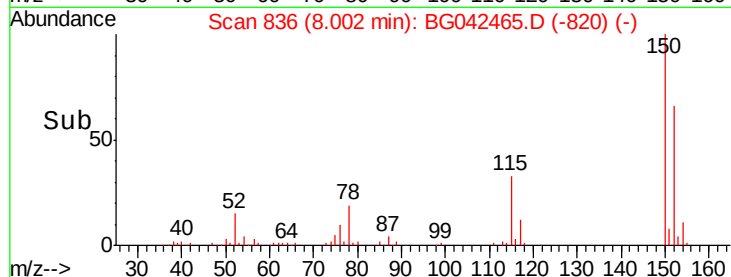
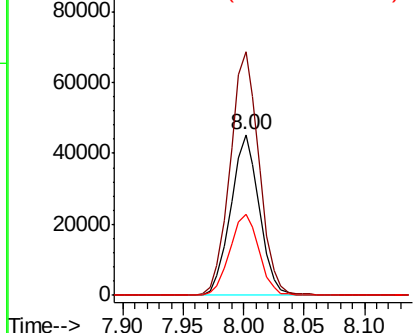
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BG042465.D
 Acq: 24 Aug 2019 13:26

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 74332
 Ion Ratio Lower Upper
 152 100
 150 151.2 125.4 188.0
 115 50.2 38.5 57.7



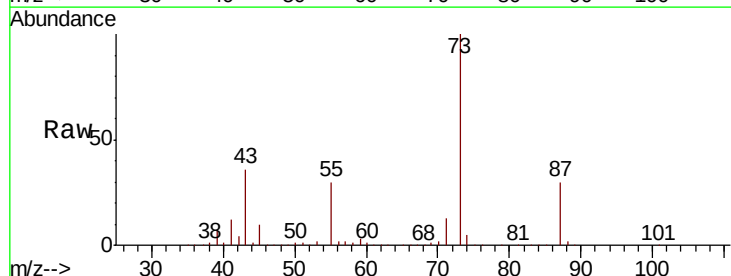
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



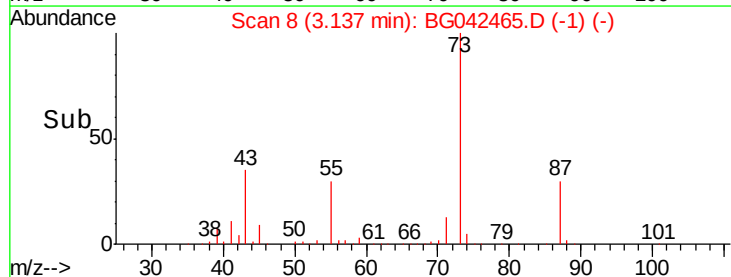
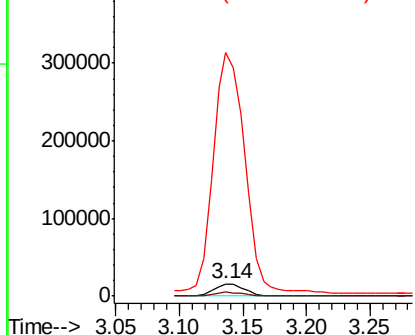
#2

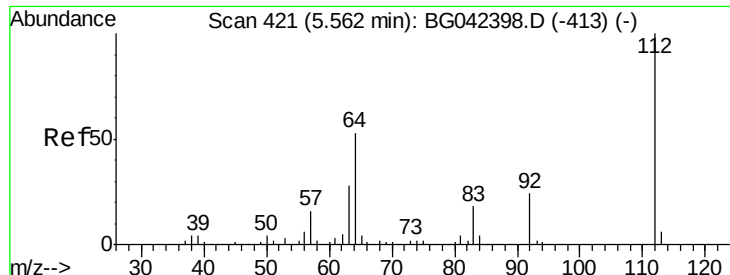
1,4-Dioxane
 Concen: 17.967 ng
 RT: 3.14 min Scan# 8
 Delta R.T. -0.29 min
 Lab File: BG042465.D
 Acq: 24 Aug 2019 13:26

Tgt Ion: 88 Resp: 27519
 Ion Ratio Lower Upper
 88 100
 58 26.6 58.3 87.5#
 43 1945.3 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: 133.723 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG042465.D

Acq: 24 Aug 2019 13:26

Instrument :

BNA_G

ClientSampleId :

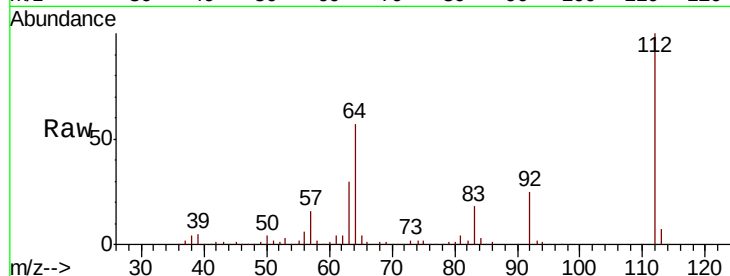
Tot Ion:112 Resp: 490789

Ion Ratio Lower Upper

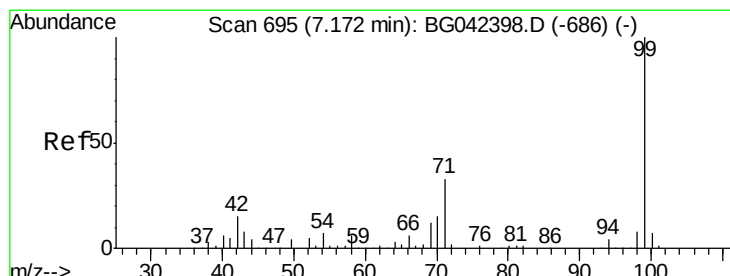
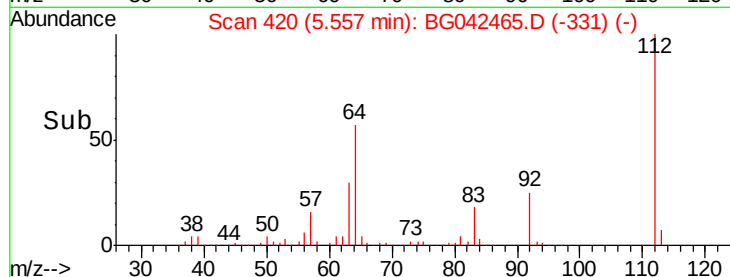
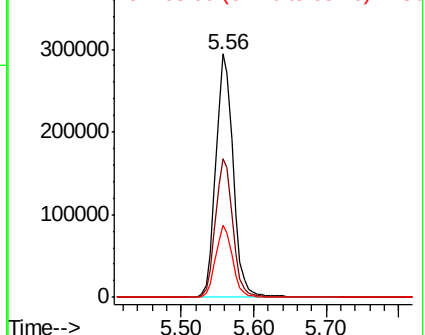
112 100

64 56.9 42.8 64.2

63 29.5 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: 123.655 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG042465.D

Acq: 24 Aug 2019 13:26

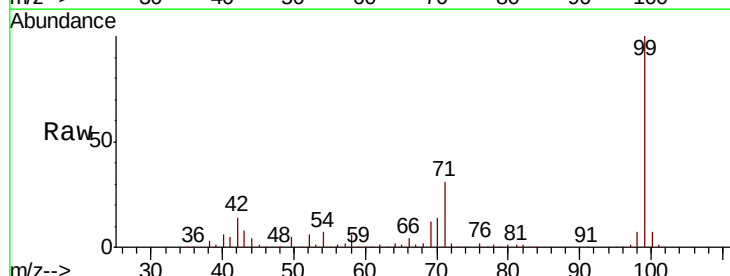
Tgt Ion: 99 Resp: 613032

Ion Ratio Lower Upper

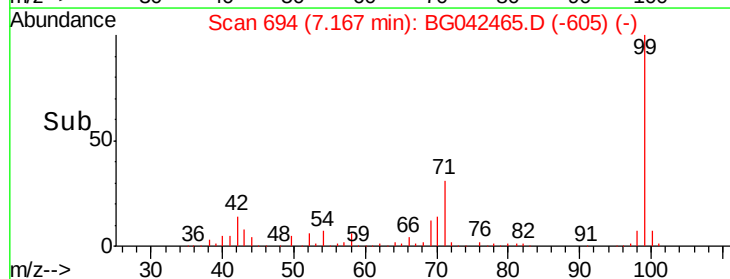
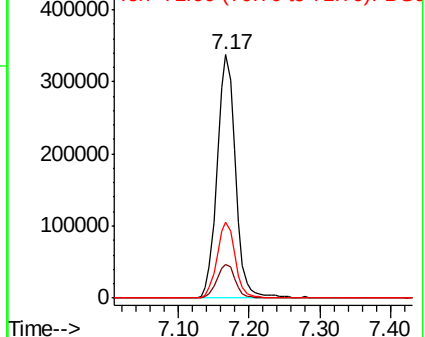
99 100

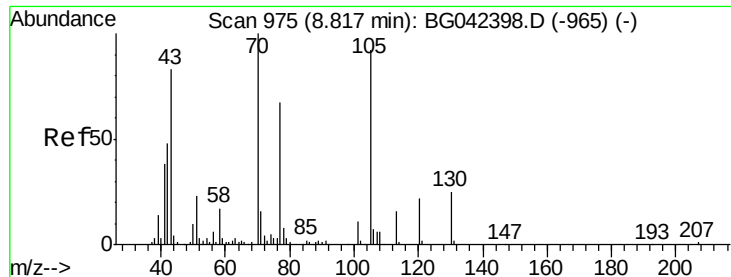
42 13.9 12.0 18.0

71 31.4 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

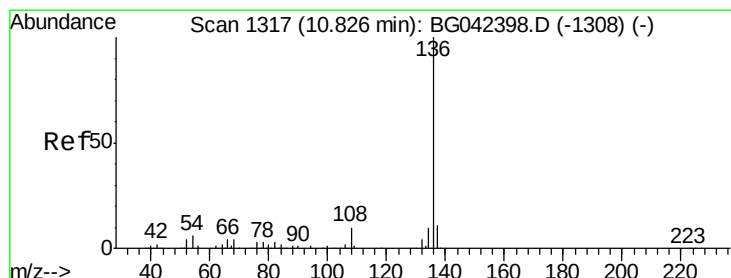
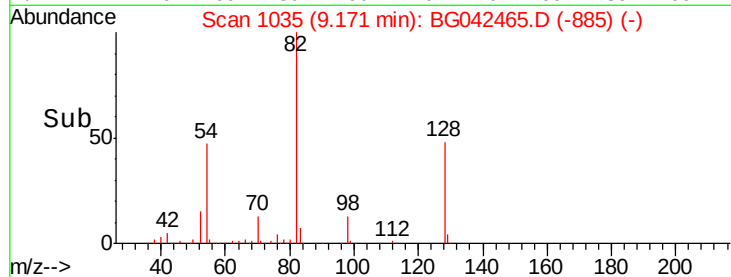
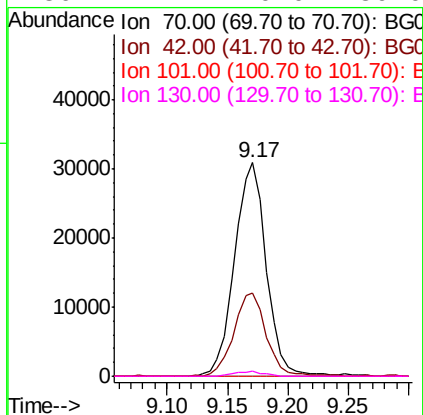
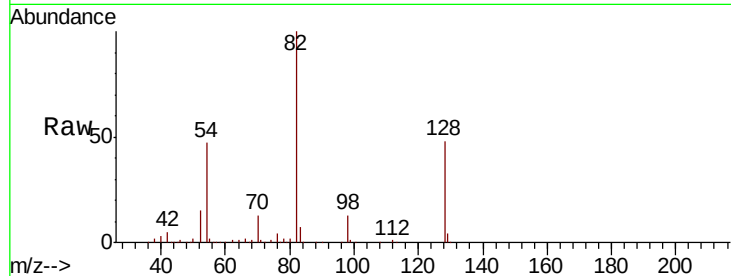




#19
n-Nitroso-di-n-propylamine
Concen: 17.622 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042465.D
Acq: 24 Aug 2019 13:26

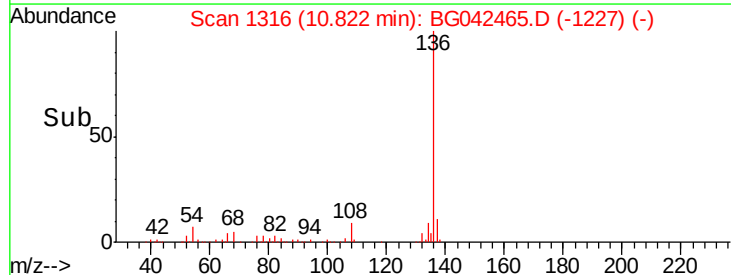
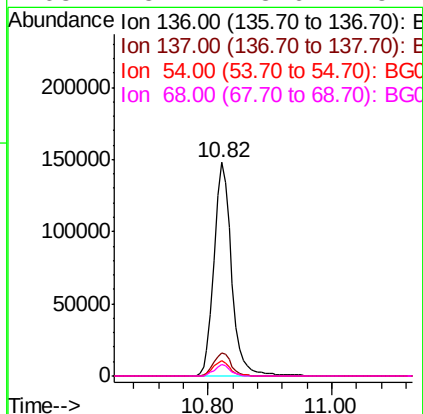
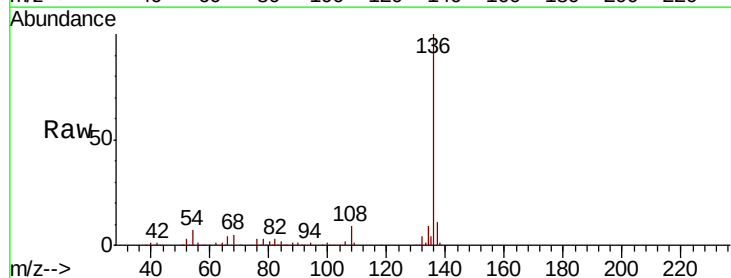
Instrument :
BNA_G
ClientSampled :

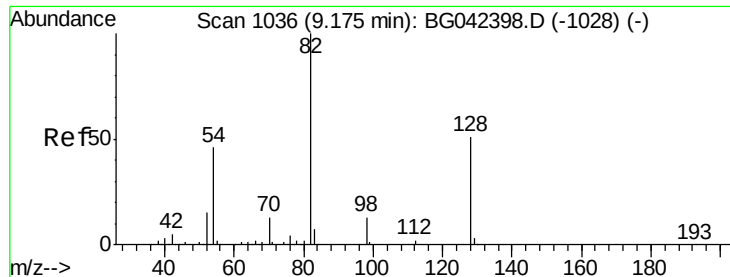
Tot Ion	Ratio	Lower	Upper
70	100		
42	38.8	38.8	58.2
101	0.0	9.0	13.6#
130	2.4	20.0	30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042465.D
Acq: 24 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.2	4.9	7.3
68	5.4	3.6	5.4

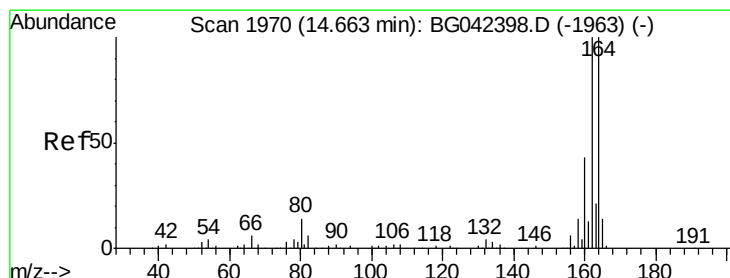
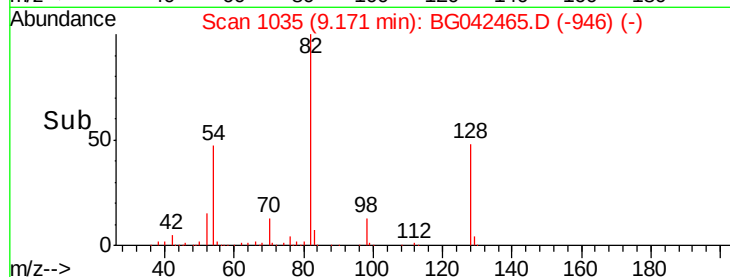
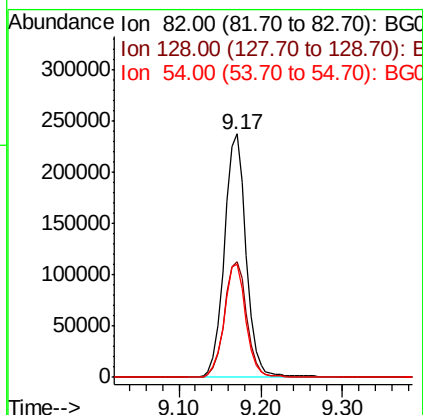
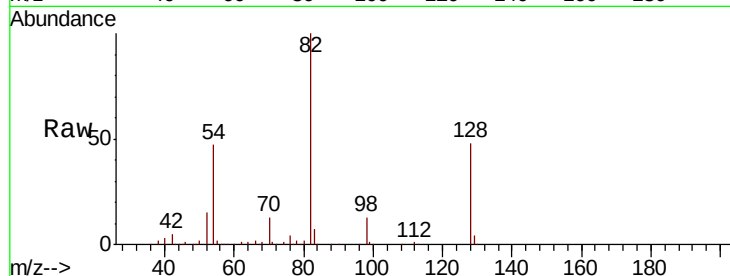




#23
Nitrobenzene-d5
Concen: 105.331 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG042465.D
Acq: 24 Aug 2019 13:26

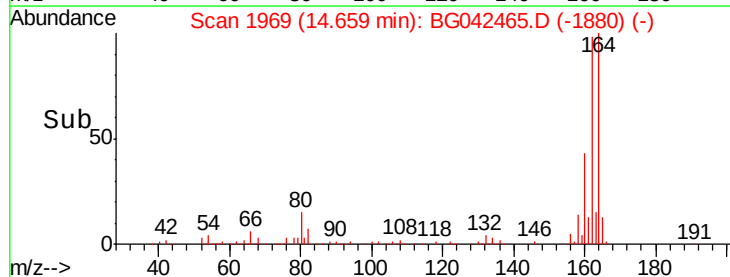
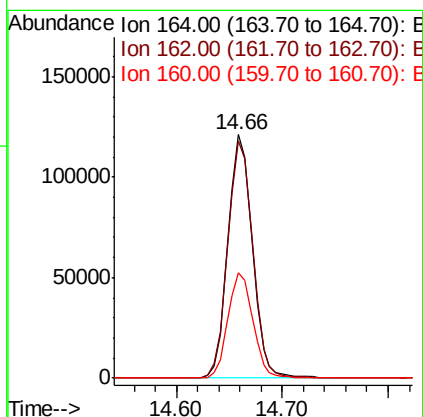
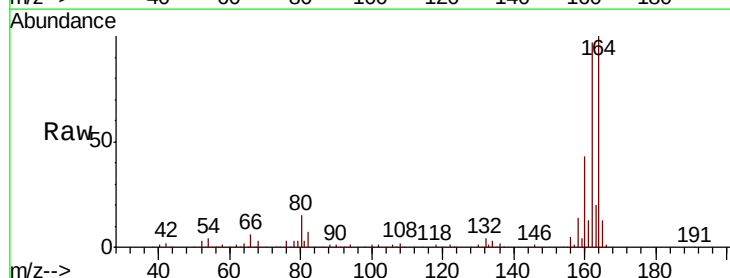
Instrument :
BNA_G
ClientSampleId :

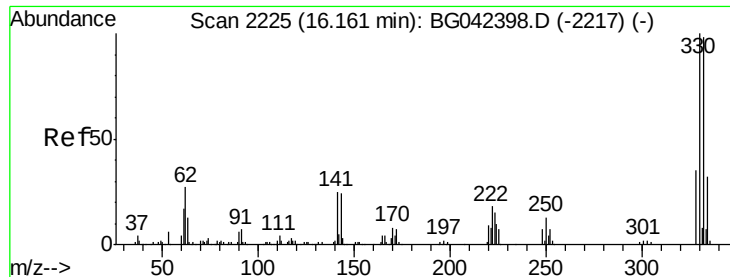
Tot Ion: 82 Resp: 440002
Ion Ratio Lower Upper
82 100
128 47.8 40.7 61.1
54 46.5 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042465.D
Acq: 24 Aug 2019 13:26

Tgt Ion:164 Resp: 193677
Ion Ratio Lower Upper
164 100
162 97.3 79.9 119.9
160 43.2 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 125.721 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BG042465.D

Acq: 24 Aug 2019 13:26

Instrument :

BNA_G

ClientSampled :

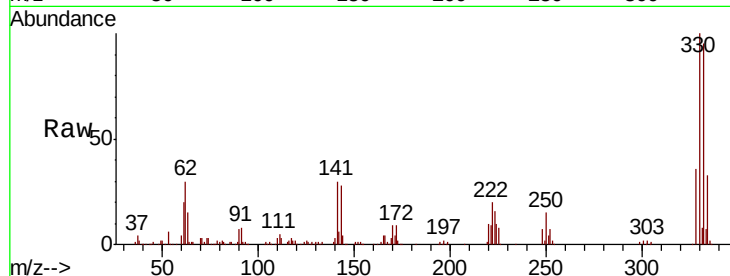
Tot Ion:330 Resp: 346084

Ion Ratio Lower Upper

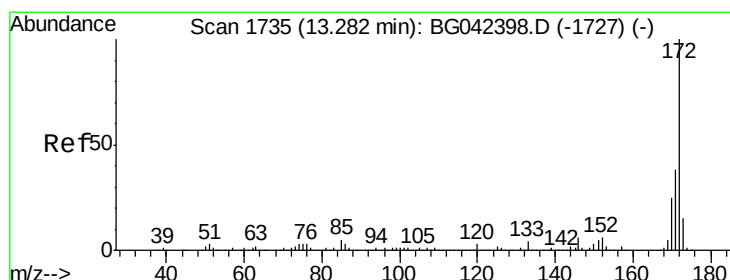
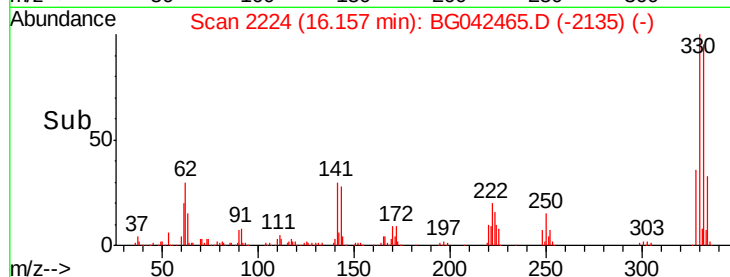
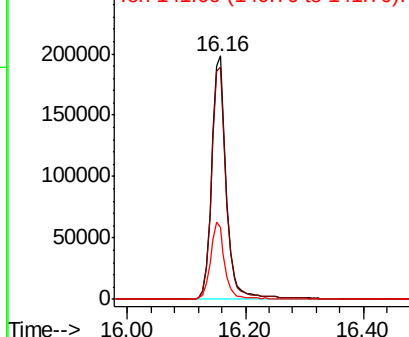
330 100

332 95.7 77.4 116.0

141 30.8 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: 105.451 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.00 min

Lab File: BG042465.D

Acq: 24 Aug 2019 13:26

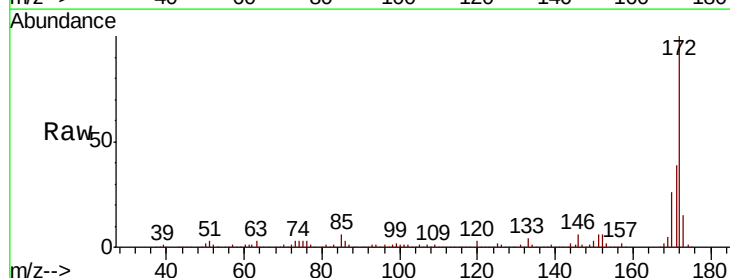
Tgt Ion:172 Resp: 1207566

Ion Ratio Lower Upper

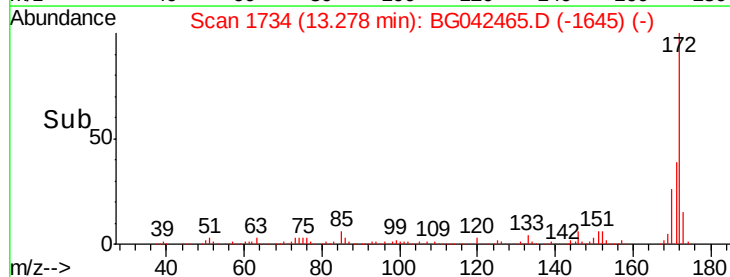
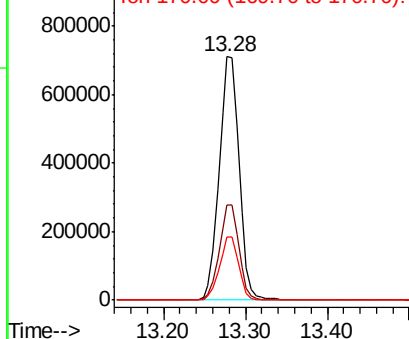
172 100

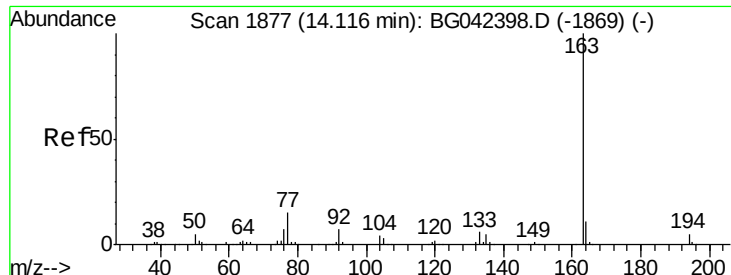
171 39.2 30.5 45.7

170 25.9 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

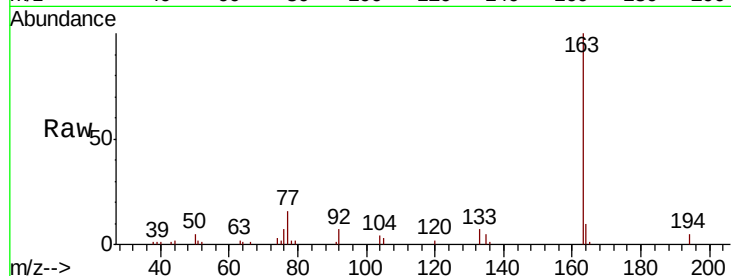




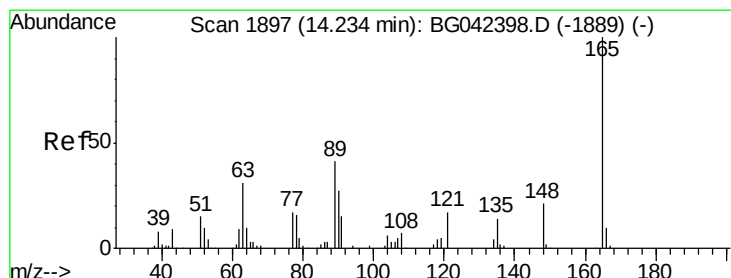
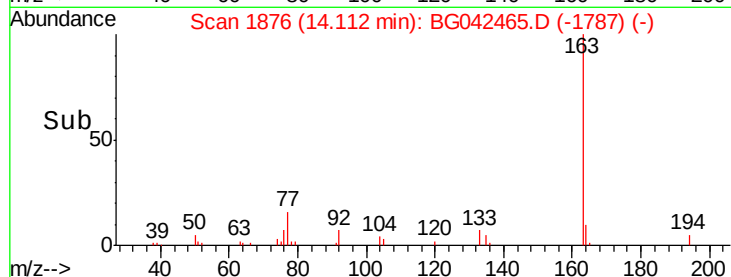
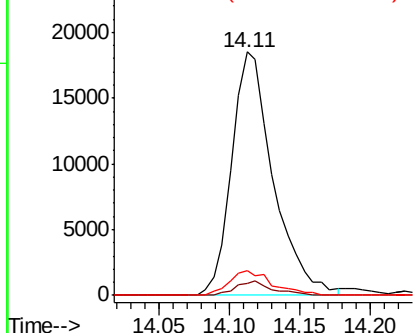
#50
Dimethylphthalate
Concen: 2.722 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG042465.D
Acq: 24 Aug 2019 13:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 38036
Ion Ratio Lower Upper
163 100
194 5.2 4.2 6.2
164 10.1 8.8 13.2

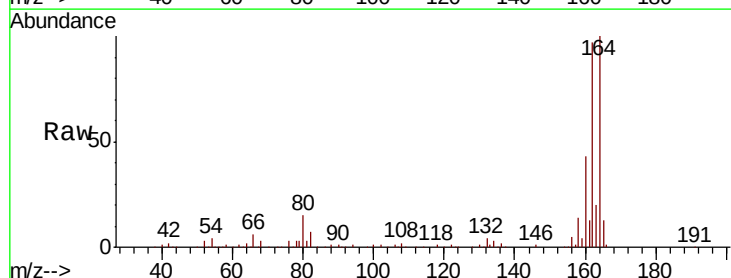


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

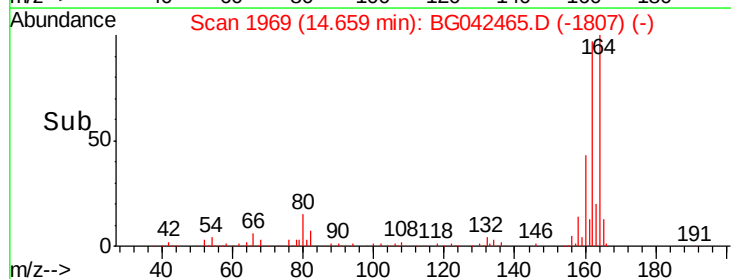
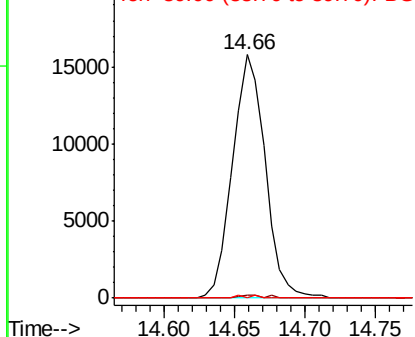


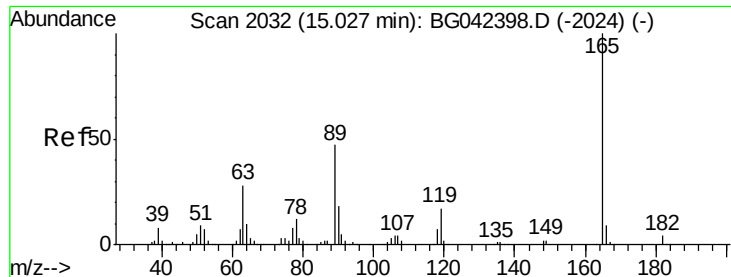
#51
2,6-Dinitrotoluene
Concen: 7.887 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.42 min
Lab File: BG042465.D
Acq: 24 Aug 2019 13:26

Tgt Ion:165 Resp: 25547
Ion Ratio Lower Upper
165 100
63 1.1 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

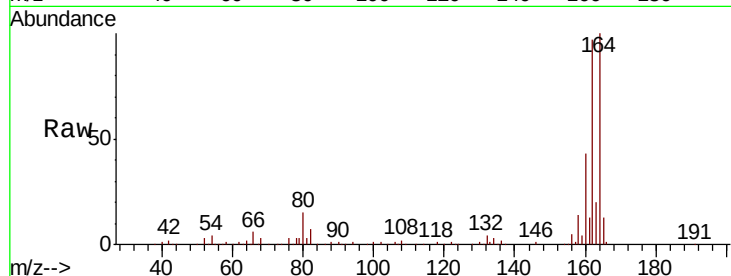




#57
 2,4-Dinitrotoluene
 Concen: 5.508 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042465.D
 Acq: 24 Aug 2019 13:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#



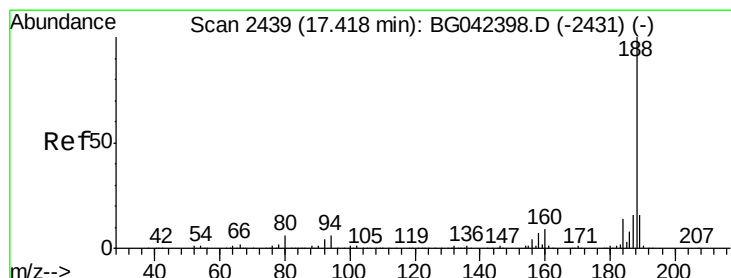
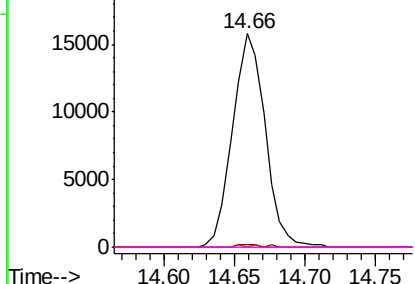
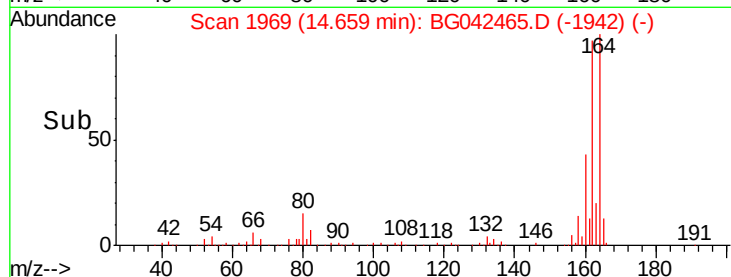
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

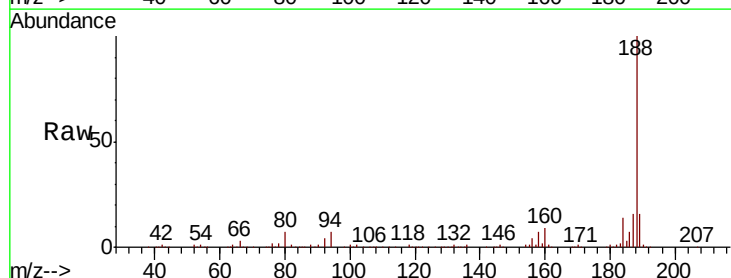
Ion 89.00 (88.70 to 89.70): BGC

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. -0.00 min
 Lab File: BG042465.D
 Acq: 24 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	4.5	6.7
80	7.3	4.9	7.3

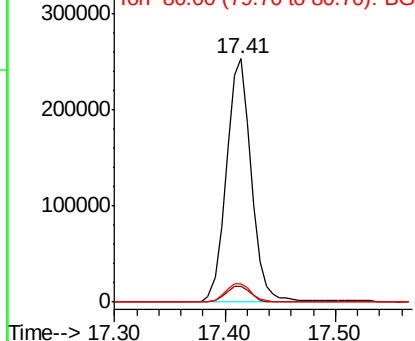
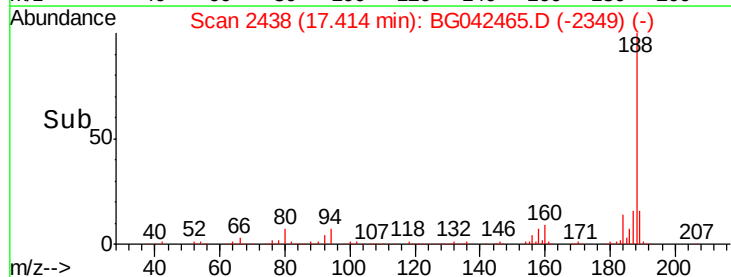


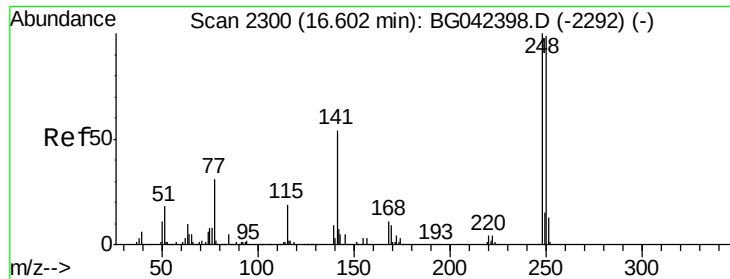
Abundance

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

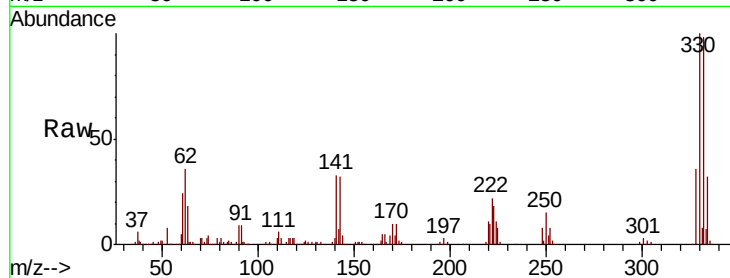




#67
 4-Bromophenyl-phenylether
 Concen: 4.981 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042465.D
 Acq: 24 Aug 2019 13:26

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	187.0	78.9	118.3#
141	405.7	43.3	64.9#

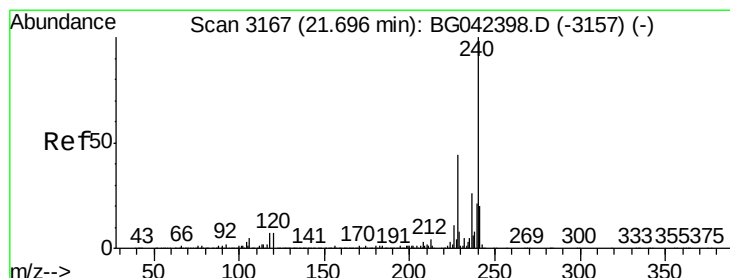
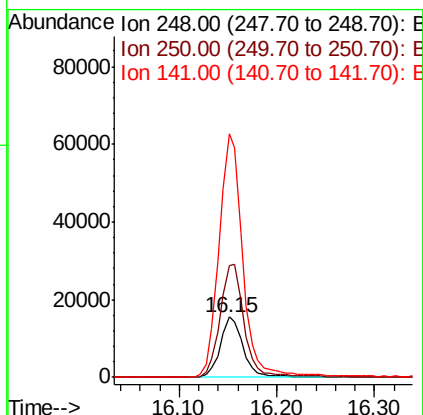
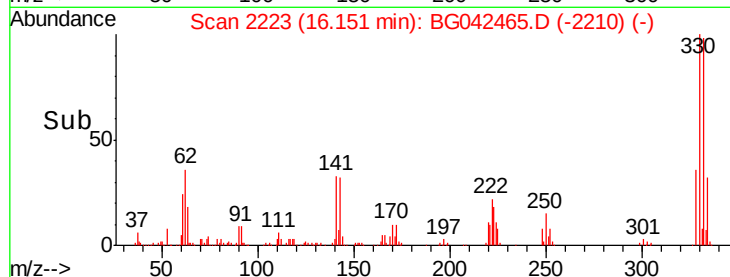


Abundance

Ion 248.00 (247.70 to 248.70): E

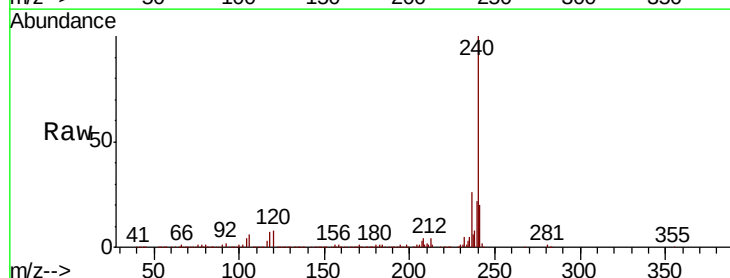
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042465.D
 Acq: 24 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.1	5.7	8.5
236	26.2	21.0	31.4

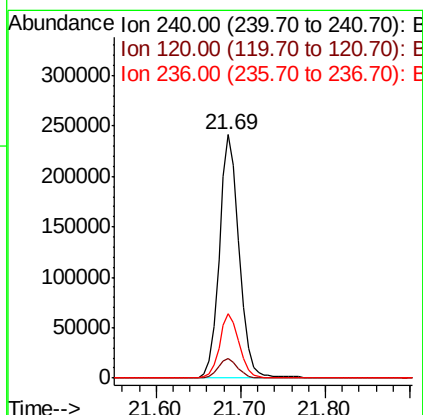
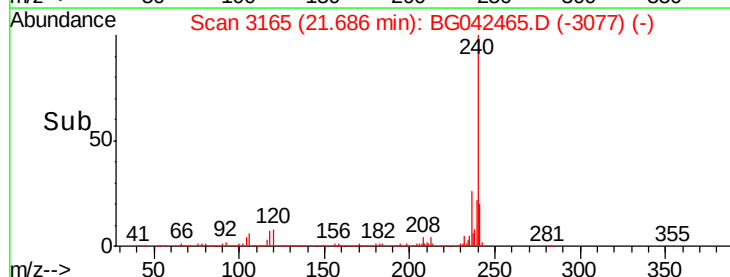


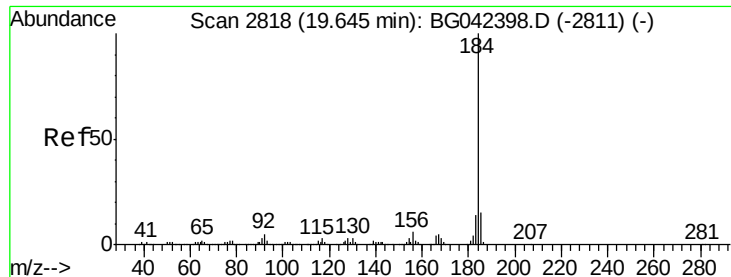
Abundance

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: 2.283 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.38 min

Lab File: BG042465.D

Acq: 24 Aug 2019 13:26

Instrument :

BNA_G

ClientSampled :

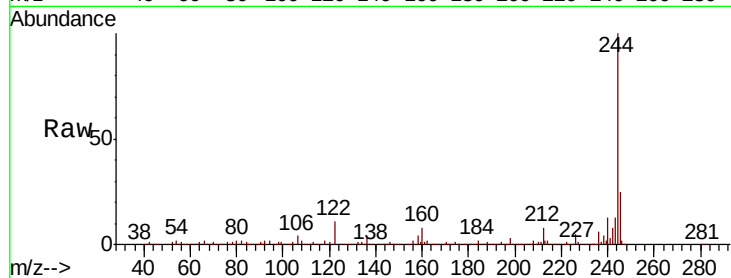
Tot Ion:184 Resp: 25784

Ion Ratio Lower Upper

184 100

185 18.4 12.2 18.4

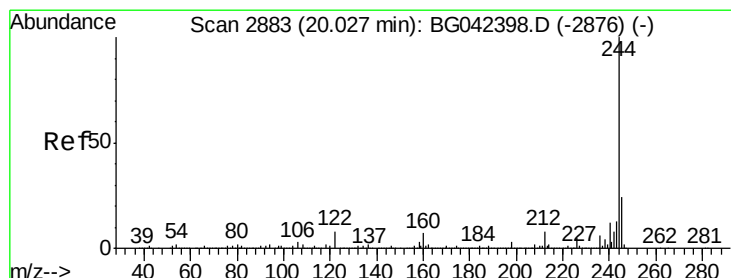
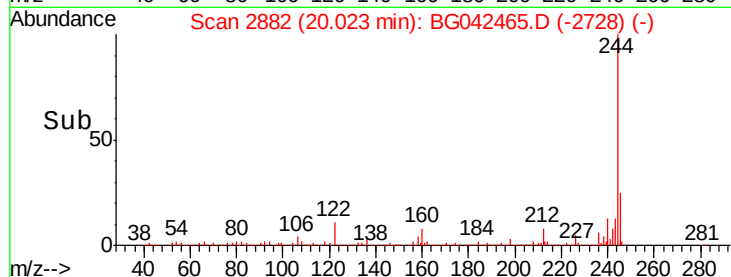
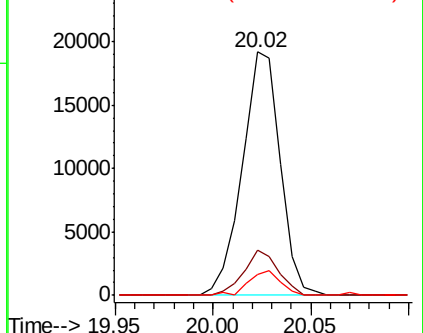
183 8.7 10.8 16.2#



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: 98.989 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG042465.D

Acq: 24 Aug 2019 13:26

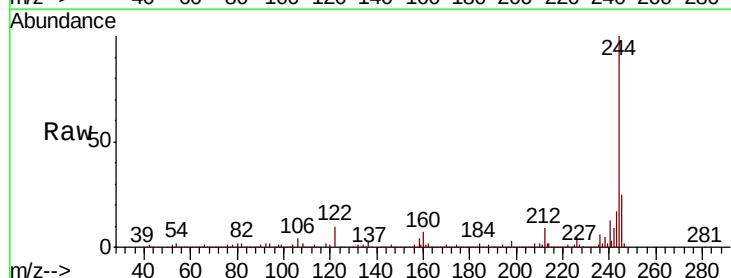
Tgt Ion:244 Resp: 1803714

Ion Ratio Lower Upper

244 100

212 8.7 6.0 9.0

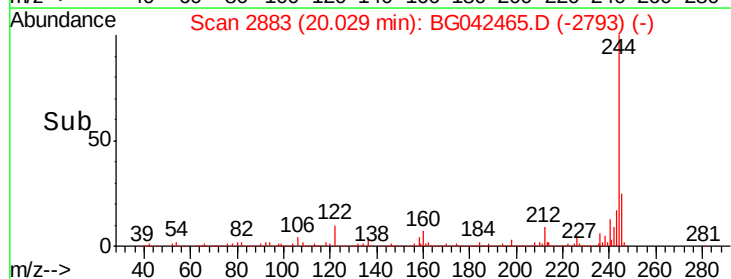
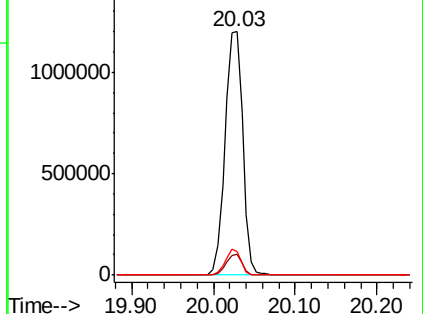
122 9.6 6.7 10.1

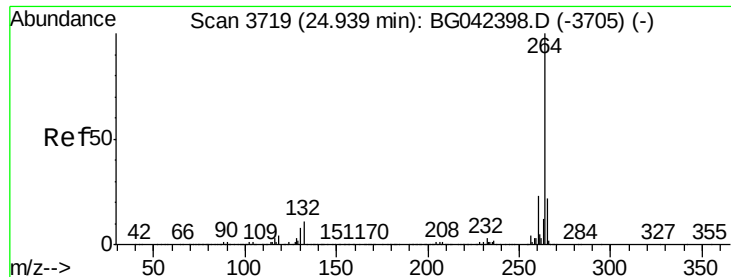


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

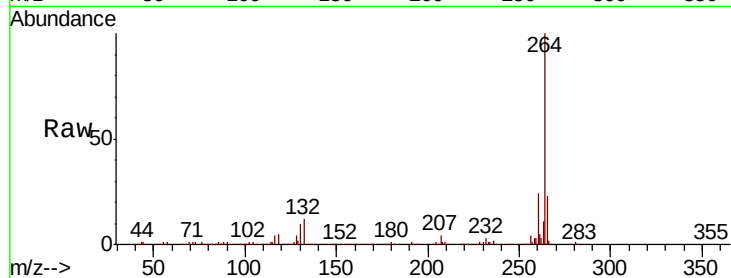




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042465.D
 Acq: 24 Aug 2019 13:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	22.6	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

