

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062819\
 Data File : BG041525.D
 Acq On : 28 Jun 2019 22:58
 Operator : HP/JU
 Sample : K3500-09DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW-A-061919DL

Quant Time: Jun 29 01:51:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	27062	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	105252	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	79593	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	222204	20.00	ng	0.00
76) Chrysene-d12	21.70	240	231890	20.00	ng	0.00
87) Perylene-d12	24.98	264	244410	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	41535	27.36	ng	0.00
7) Phenol-d6	7.19	99	37308	17.46	ng	0.00
23) Nitrobenzene-d5	9.21	82	102474	40.61	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	86979	64.00	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	254262	40.99	ng	0.00
79) Terphenyl-d14	20.02	244	561586	51.46	ng	0.00

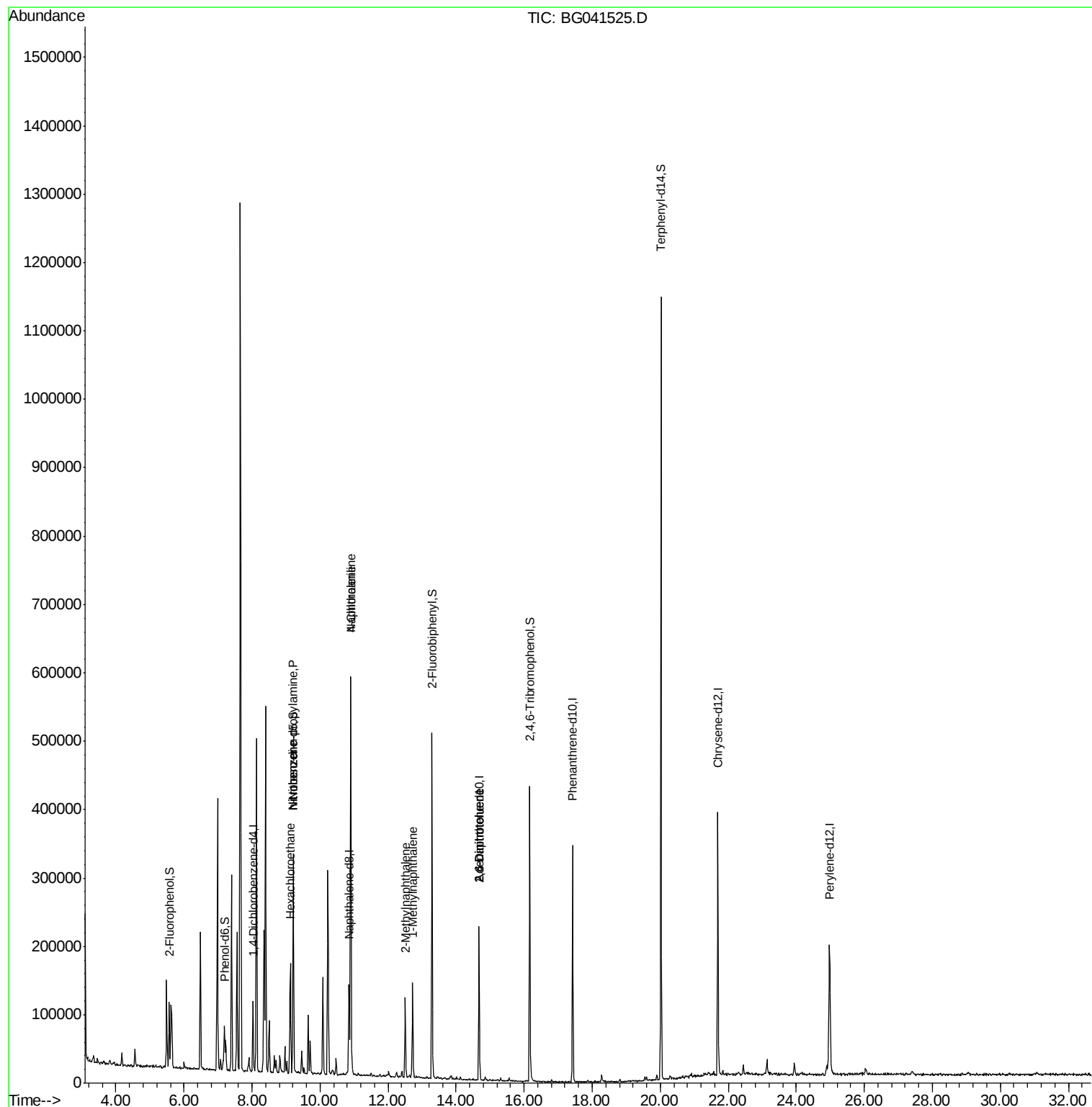
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.13	117	25707	29.348	ng	# 1
19) n-Nitroso-di-n-propylamine	9.21	70	13866	8.700	ng	# 87
24) Nitrobenzene	9.22	77	6554	2.587	ng	# 12
31) Naphthalene	10.90	128	461033	79.205	ng	98
33) 4-Chloroaniline	10.91	127	63791	26.035	ng	# 35
37) 2-Methylnaphthalene	12.51	142	53232	12.379	ng	99
38) 1-Methylnaphthalene	12.72	142	59521	14.508	ng	99
51) 2,6-Dinitrotoluene	14.67	165	10501	6.832	ng	# 19
57) 2,4-Dinitrotoluene	14.67	165	10501	4.709	ng	# 24

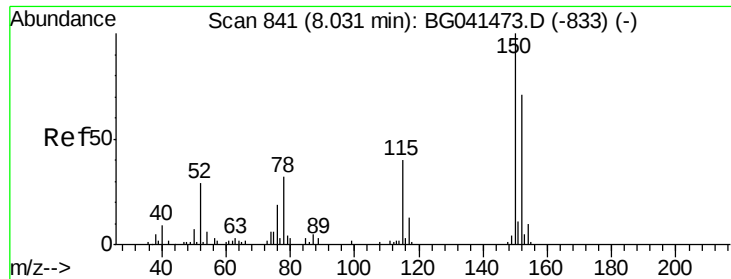
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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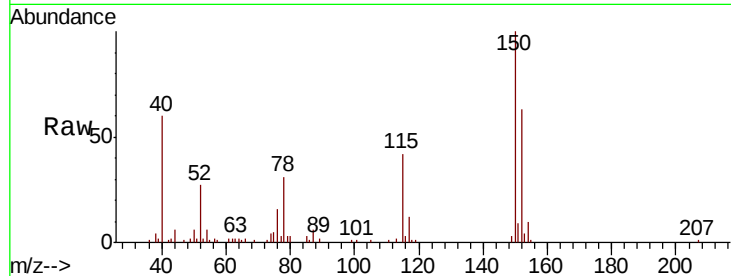


#1

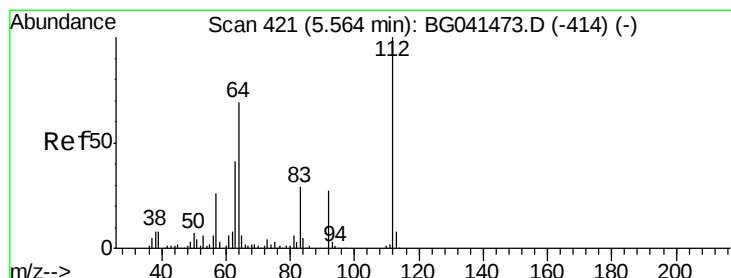
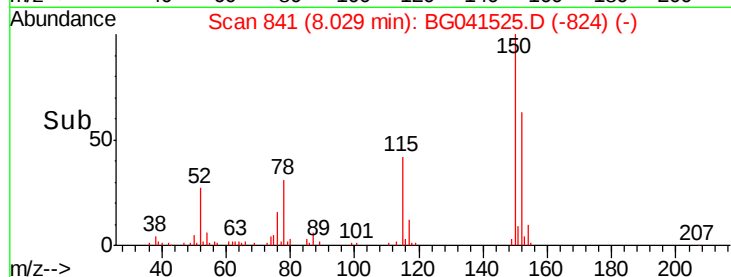
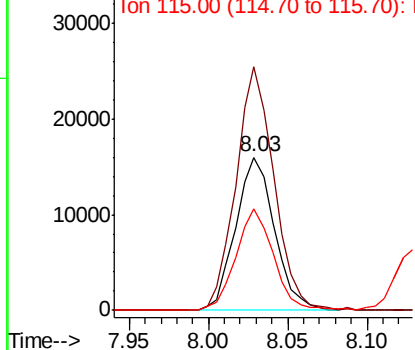
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041525.D
Acq: 28 Jun 2019 22:58

Instrument :
BNA_G
ClientSampleId :
GW-A-061919DL

Tgt Ion:152 Resp: 27062
Ion Ratio Lower Upper
152 100
150 158.9 112.4 168.6
115 66.2 44.6 66.8



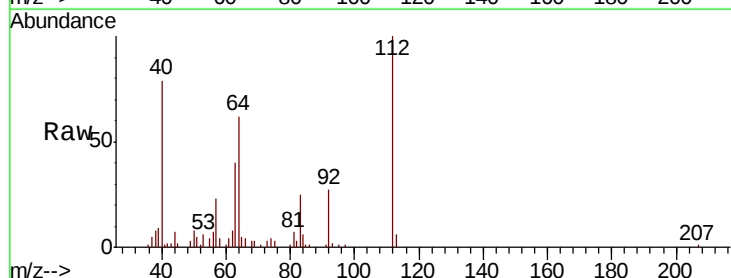
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



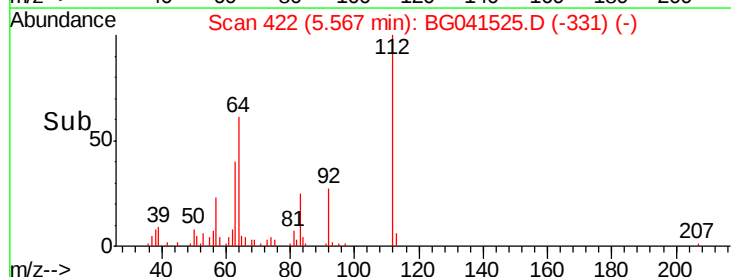
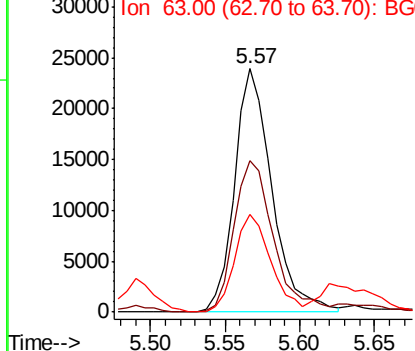
#5

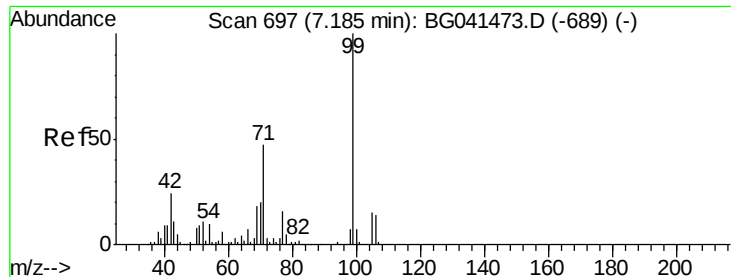
2-Fluorophenol
Concen: 27.363 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG041525.D
Acq: 28 Jun 2019 22:58

Tgt Ion:112 Resp: 41535
Ion Ratio Lower Upper
112 100
64 62.1 55.1 82.7
63 40.2 32.4 48.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 17.460 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041525.D

Acq: 28 Jun 2019 22:58

Instrument :

BNA_G

ClientSampleID :

GW-A-061919DL

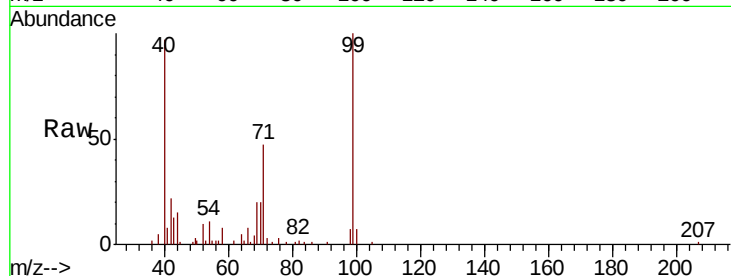
Tgt Ion: 99 Resp: 37308

Ion Ratio Lower Upper

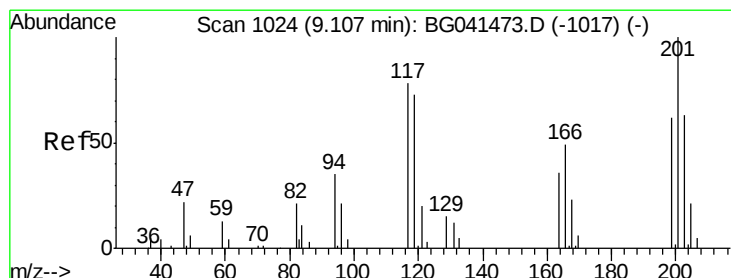
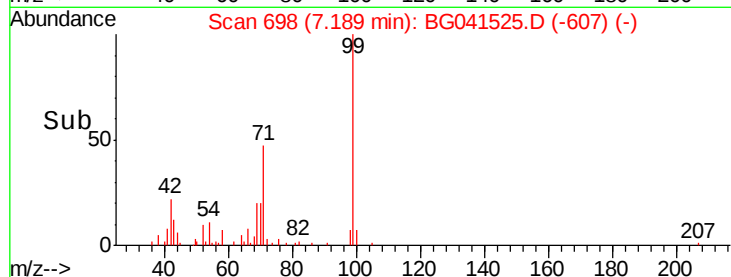
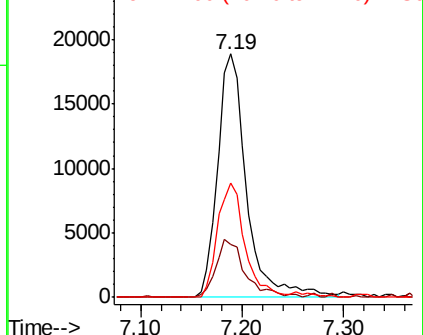
99 100

42 21.9 19.0 28.6

71 46.9 37.4 56.2



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



#18

Hexachloroethane

Concen: 29.348 ng

RT: 9.13 min Scan# 1028

Delta R.T. 0.02 min

Lab File: BG041525.D

Acq: 28 Jun 2019 22:58

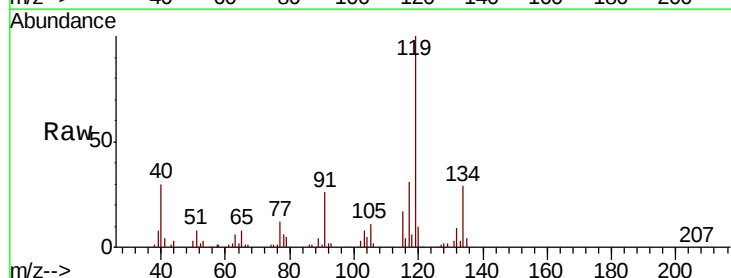
Tgt Ion: 117 Resp: 25707

Ion Ratio Lower Upper

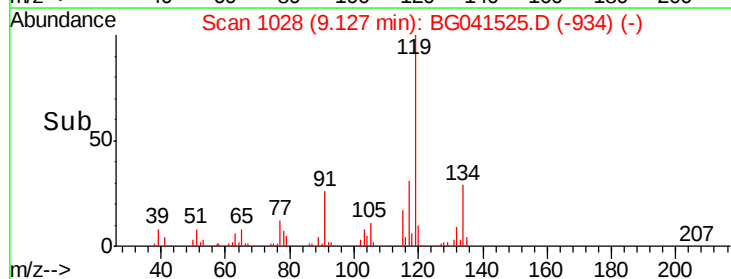
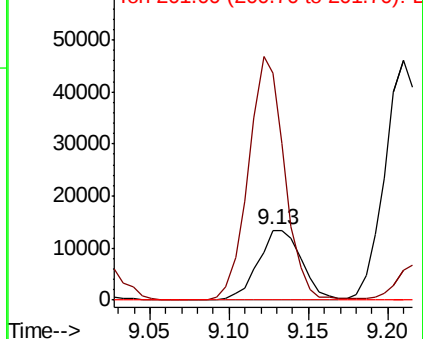
117 100

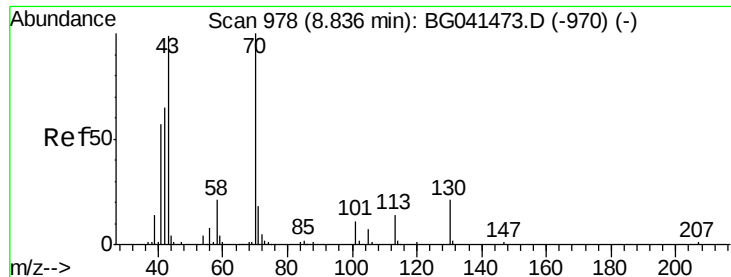
119 324.6 74.3 111.5#

201 0.0 102.3 153.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

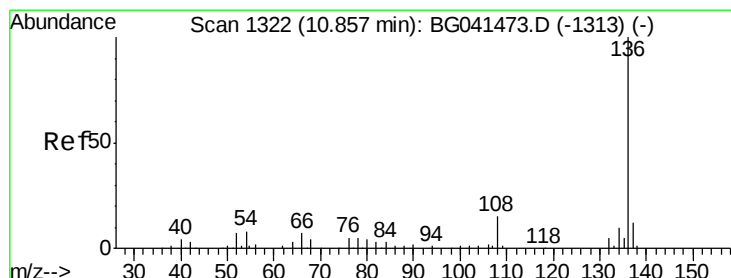
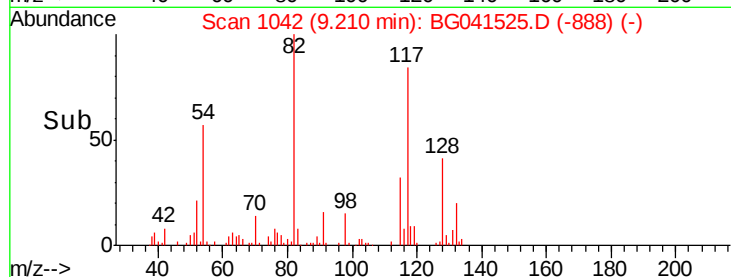
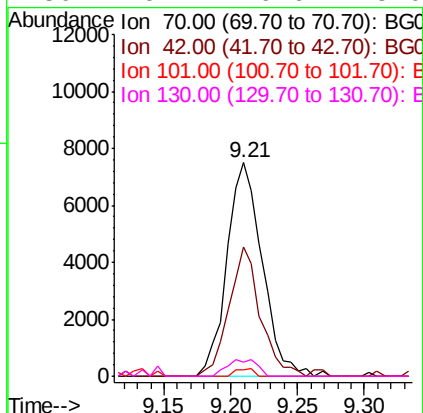
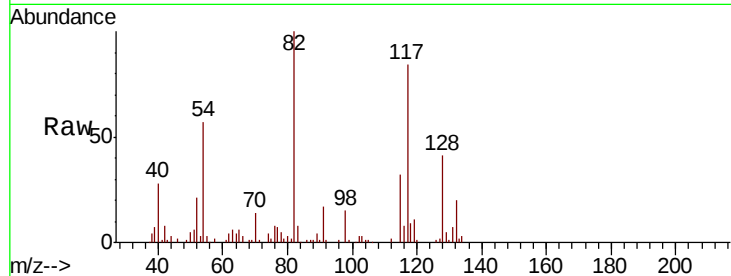




#19
n-Nitroso-di-n-propylamine
Concen: 8.700 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.37 min
Lab File: BG041525.D
Acq: 28 Jun 2019 22:58

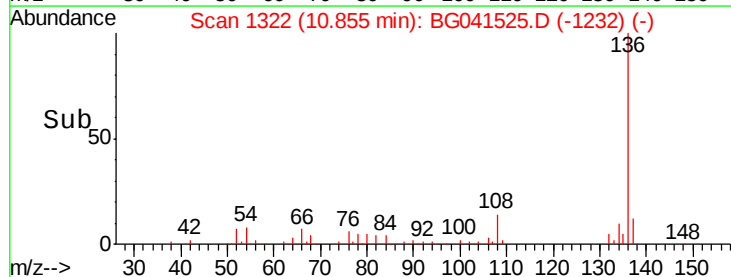
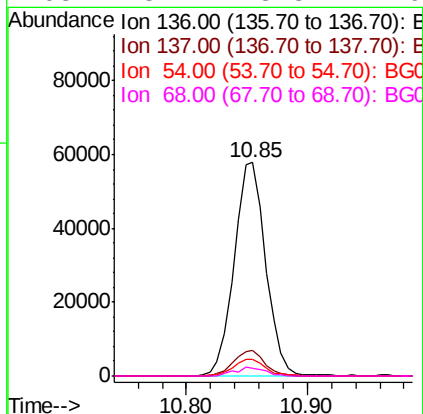
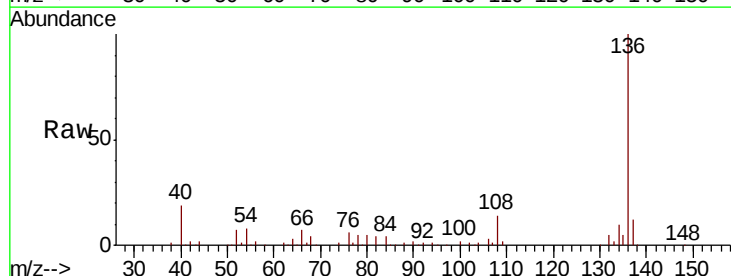
Instrument :
BNA_G
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GW-A-061919DL

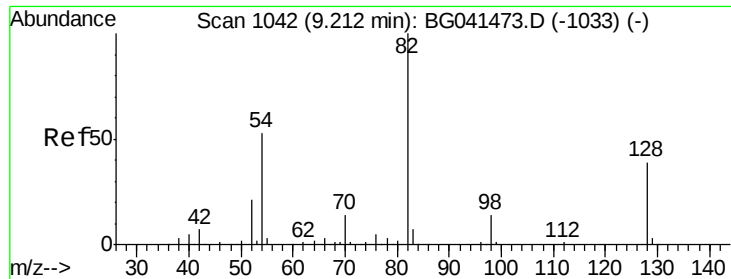
Tgt Ion: 70 Resp: 13866
Ion Ratio Lower Upper
70 100
42 60.6 52.6 78.8
101 3.1 8.6 13.0#
130 6.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041525.D
Acq: 28 Jun 2019 22:58

Tgt Ion: 136 Resp: 105252
Ion Ratio Lower Upper
136 100
137 11.9 9.3 13.9
54 8.0 7.1 10.7
68 3.7 3.3 4.9

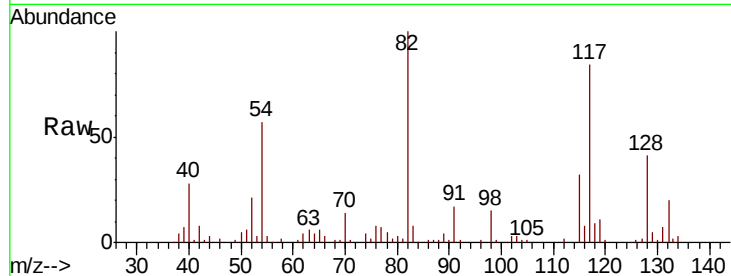




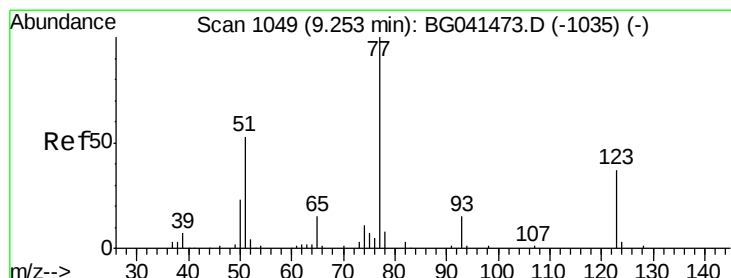
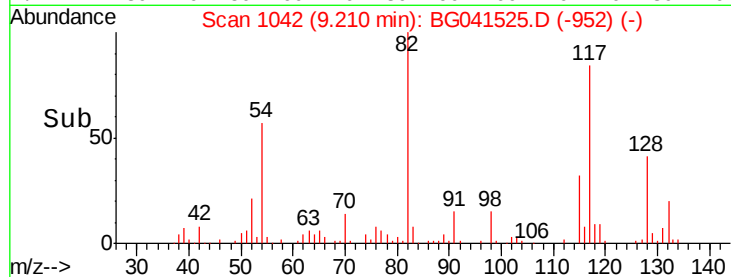
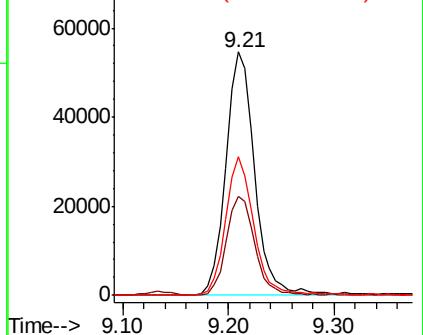
#23
 Nitrobenzene-d5
 Concen: 40.606 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BG041525.D
 Acq: 28 Jun 2019 22:58

Instrument :
 BNA_G
 ClientSampleID :
 GW-A-061919DL

Tgt Ion: 82 Resp: 102474
 Ion Ratio Lower Upper
 82 100
 128 40.7 30.9 46.3
 54 57.0 42.2 63.2

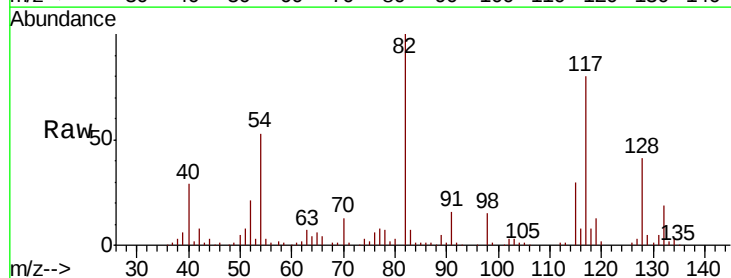


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

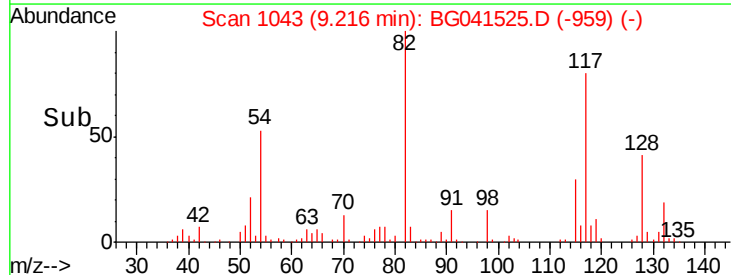
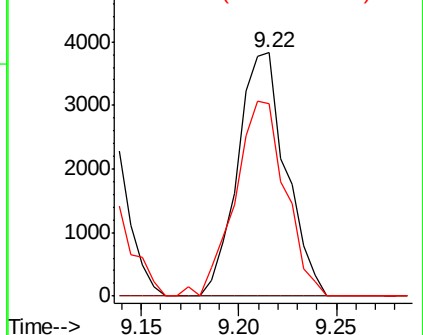


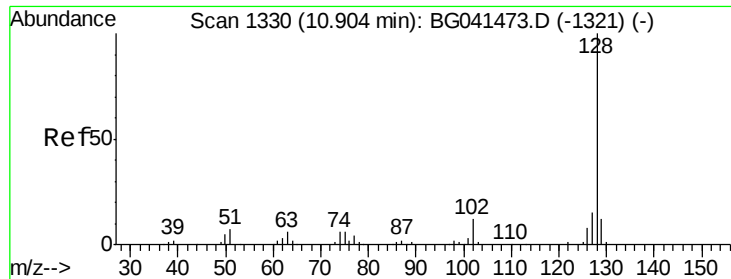
#24
 Nitrobenzene
 Concen: 2.587 ng
 RT: 9.22 min Scan# 1043
 Delta R.T. -0.04 min
 Lab File: BG041525.D
 Acq: 28 Jun 2019 22:58

Tgt Ion: 77 Resp: 6554
 Ion Ratio Lower Upper
 77 100
 123 0.0 29.9 44.9#
 65 78.9 12.2 18.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#31

Naphthalene

Concen: 79.205 ng

RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG041525.D

Acq: 28 Jun 2019 22:58

Instrument :

BNA_G

ClientSampleId :

GW-A-061919DL

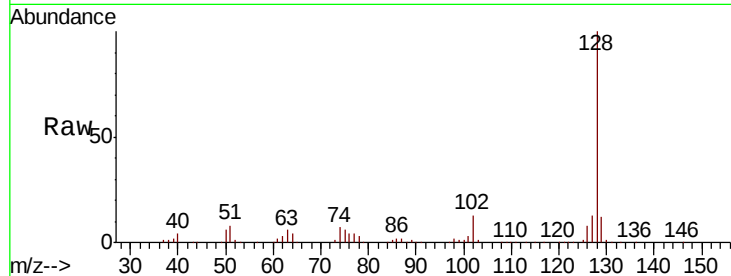
Tgt Ion:128 Resp: 461033

Ion Ratio Lower Upper

128 100

129 11.6 9.7 14.5

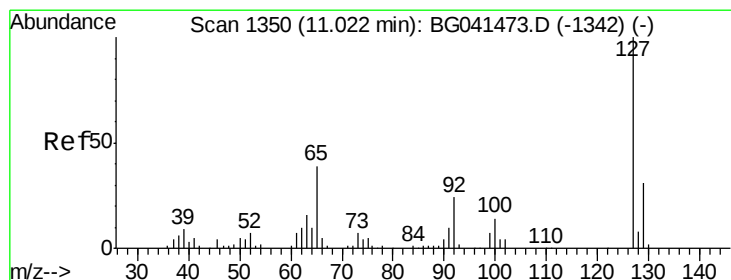
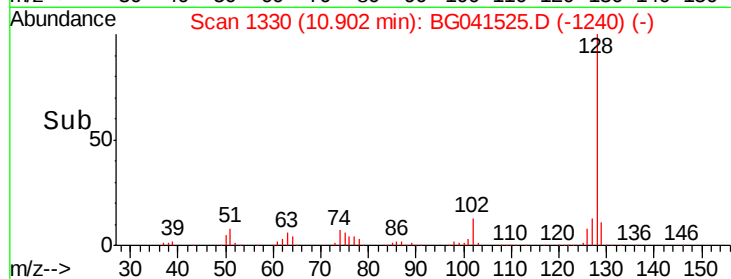
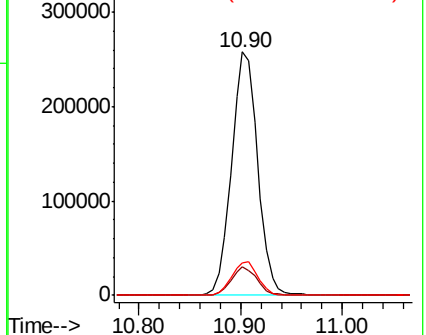
127 13.3 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 26.035 ng

RT: 10.91 min Scan# 1331

Delta R.T. -0.11 min

Lab File: BG041525.D

Acq: 28 Jun 2019 22:58

Tgt Ion:127 Resp: 63791

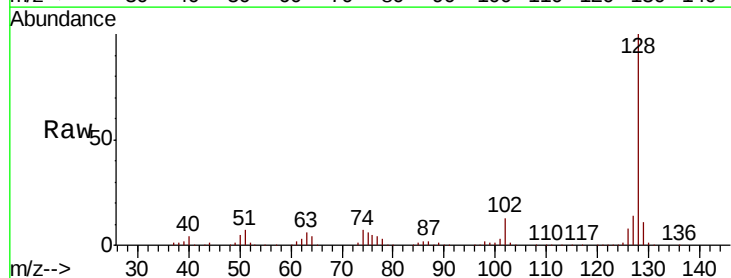
Ion Ratio Lower Upper

127 100

129 76.5 24.6 37.0#

65 2.3 31.5 47.3#

92 0.0 18.9 28.3#

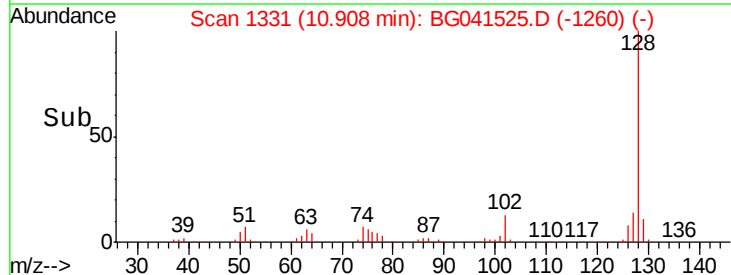
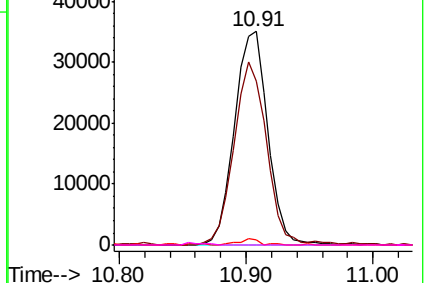


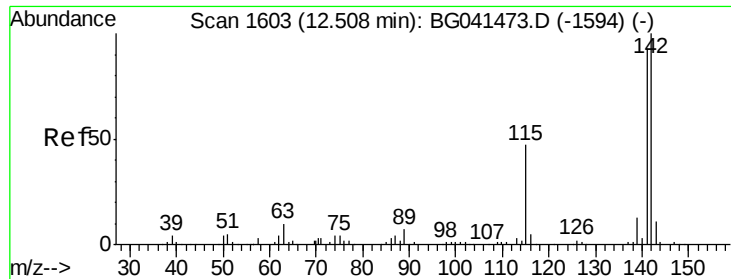
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

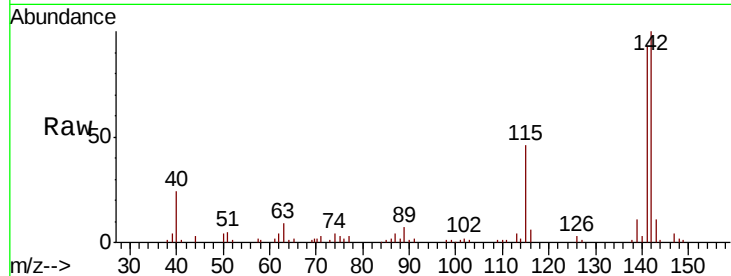




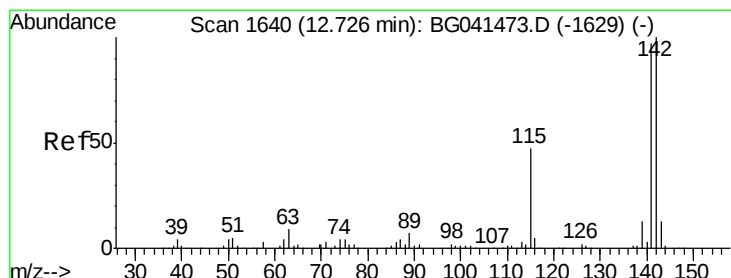
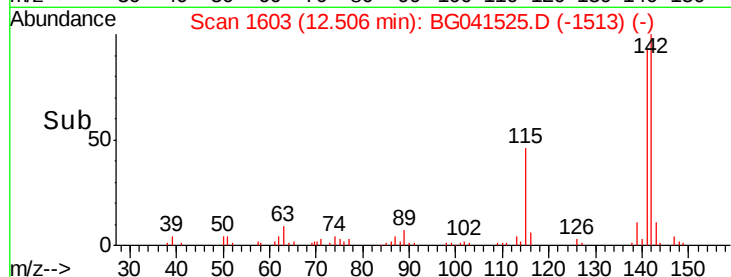
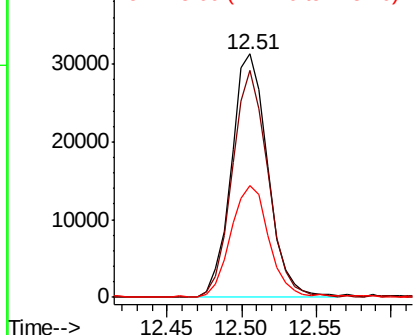
#37
 2-Methylnaphthalene
 Concen: 12.379 ng
 RT: 12.51 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: BG041525.D
 Acq: 28 Jun 2019 22:58

Instrument :
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Tgt Ion:142 Resp: 53232
 Ion Ratio Lower Upper
 142 100
 141 93.2 74.8 112.2
 115 45.9 38.0 57.0

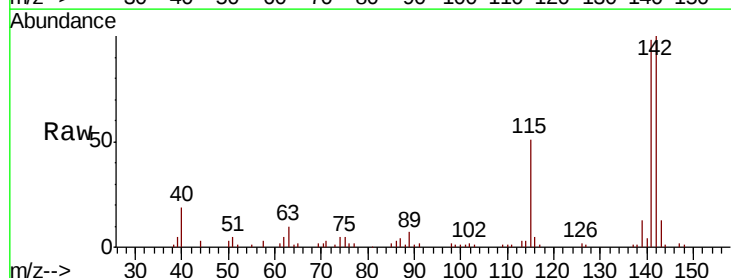


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

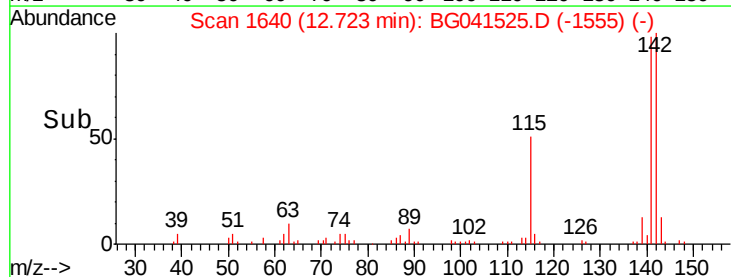
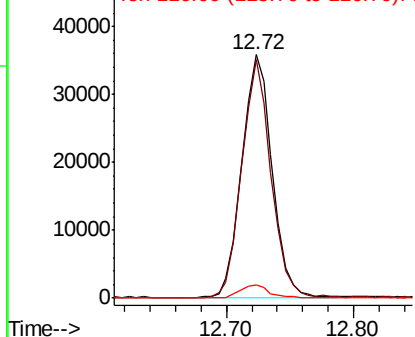


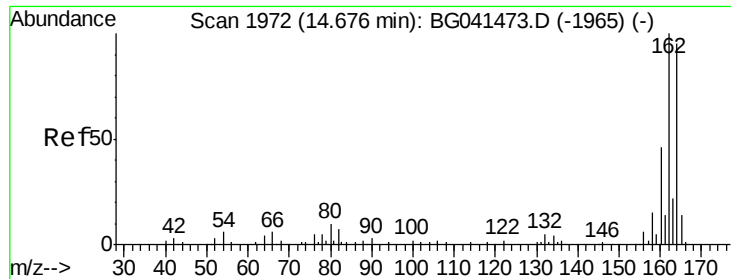
#38
 1-Methylnaphthalene
 Concen: 14.508 ng
 RT: 12.72 min Scan# 1640
 Delta R.T. -0.00 min
 Lab File: BG041525.D
 Acq: 28 Jun 2019 22:58

Tgt Ion:142 Resp: 59521
 Ion Ratio Lower Upper
 142 100
 141 97.9 77.4 116.2
 116 5.4 3.8 5.8



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG041525.D

Acq: 28 Jun 2019 22:58

Instrument :

BNA_G

ClientSampleId :

GW-A-061919DL

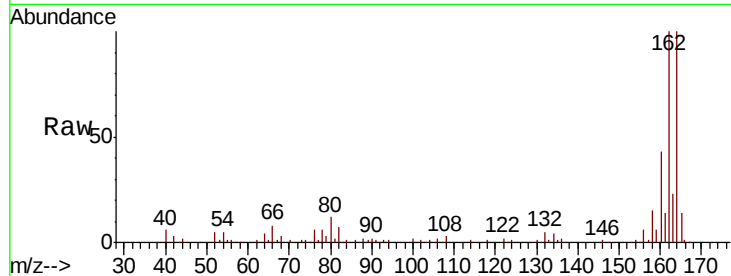
Tgt Ion:164 Resp: 79593

Ion Ratio Lower Upper

164 100

162 99.8 84.4 126.6

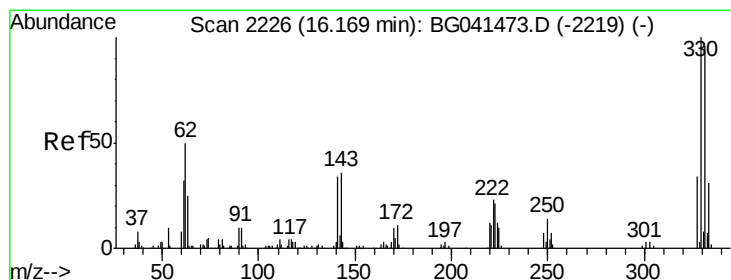
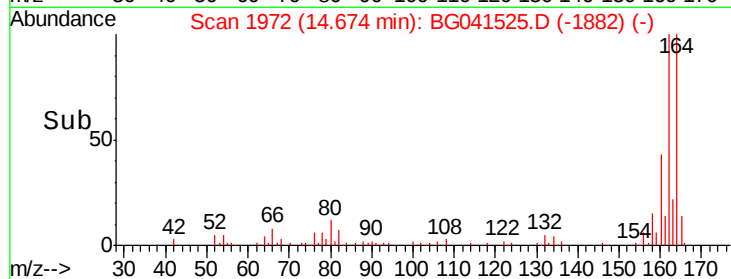
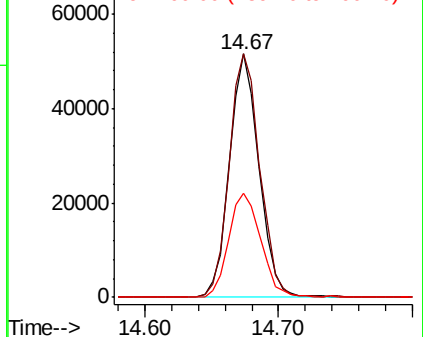
160 42.7 38.8 58.2



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: 64.002 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG041525.D

Acq: 28 Jun 2019 22:58

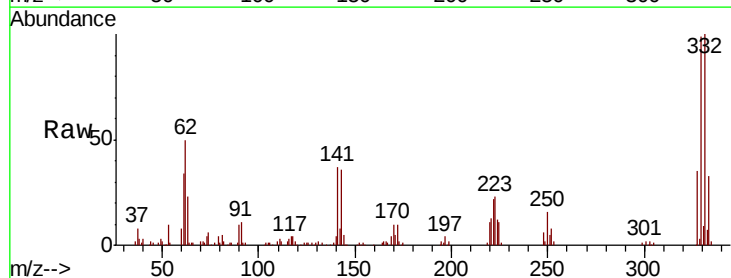
Tgt Ion:330 Resp: 86979

Ion Ratio Lower Upper

330 100

332 95.7 75.5 113.3

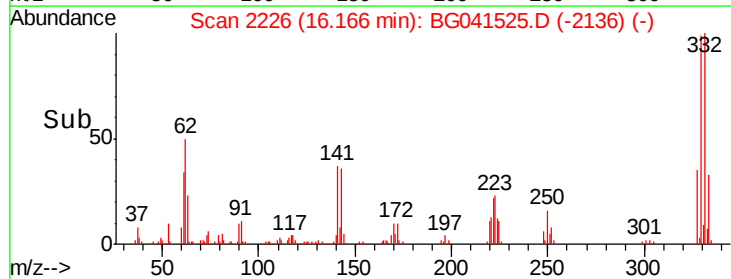
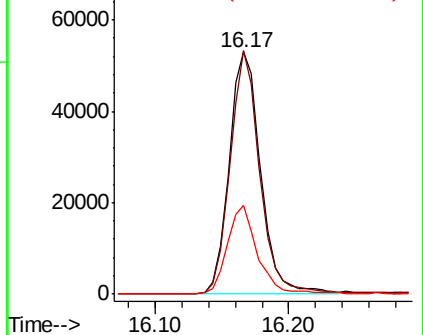
141 35.5 27.8 41.6

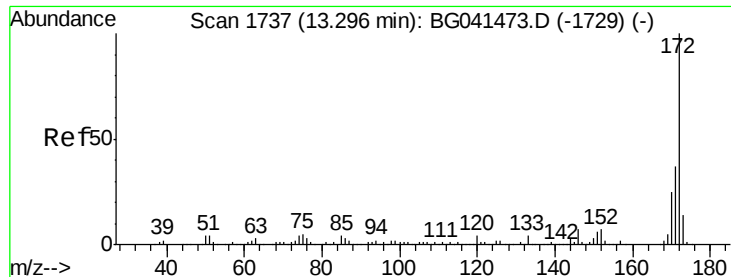


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

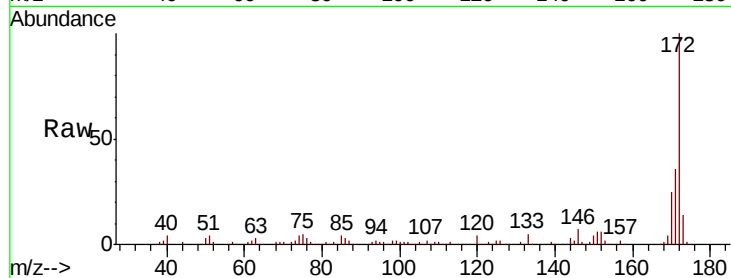




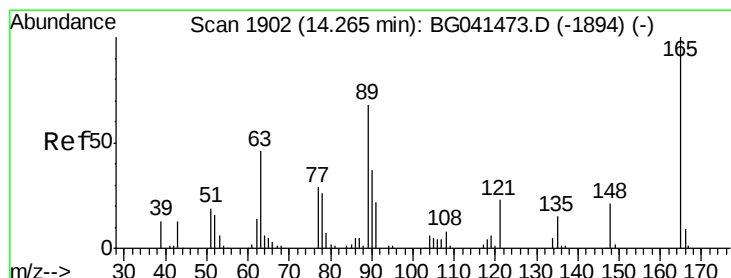
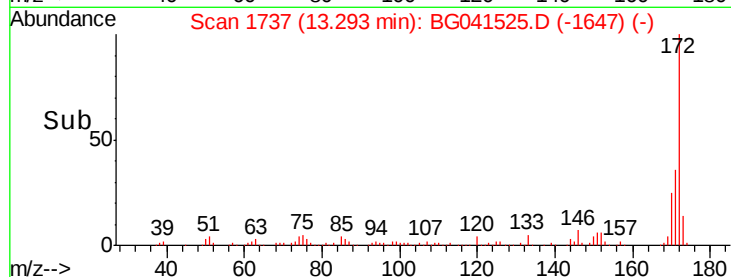
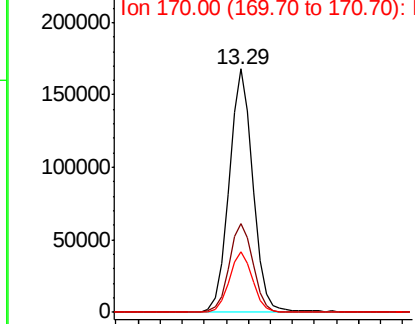
#45
 2-Fluorobiphenyl
 Concen: 40.994 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041525.D
 Acq: 28 Jun 2019 22:58

Instrument :
 BNA_G
 ClientSampleId :
 GW-A-061919DL

Tgt Ion:172 Resp: 254262
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 25.0 20.0 30.0

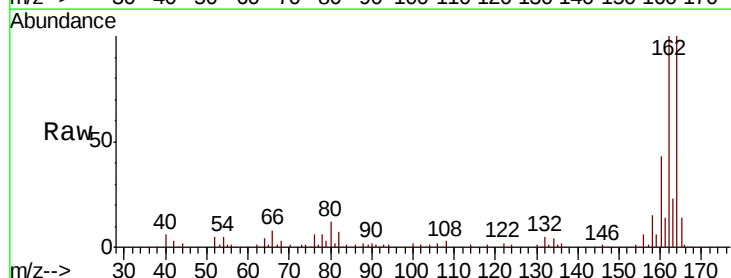


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

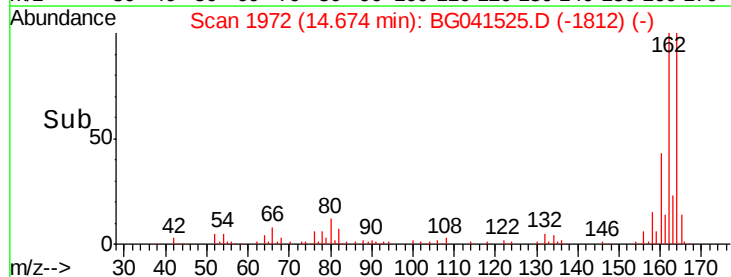
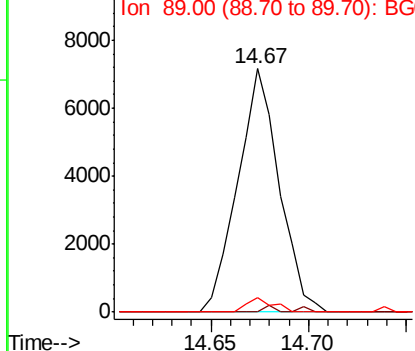


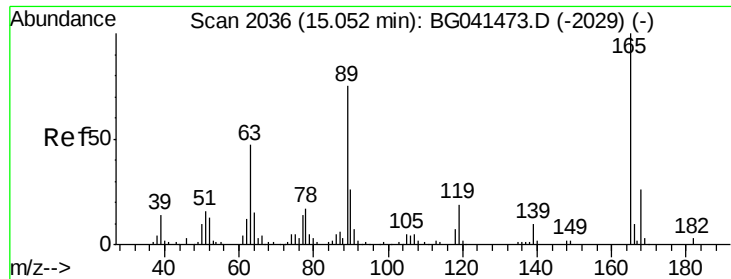
#51
 2,6-Dinitrotoluene
 Concen: 6.832 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.41 min
 Lab File: BG041525.D
 Acq: 28 Jun 2019 22:58

Tgt Ion:165 Resp: 10501
 Ion Ratio Lower Upper
 165 100
 63 0.0 56.4 84.6#
 89 5.7 54.6 81.8#



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

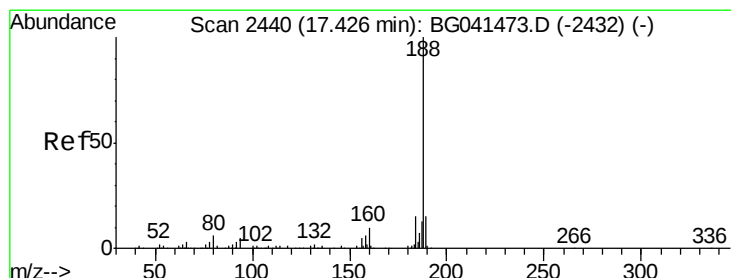
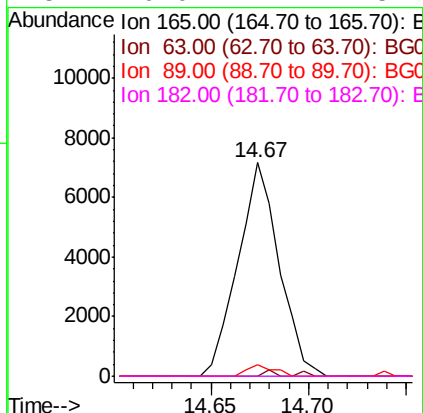
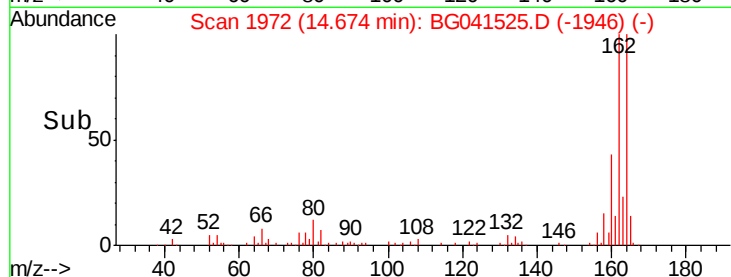
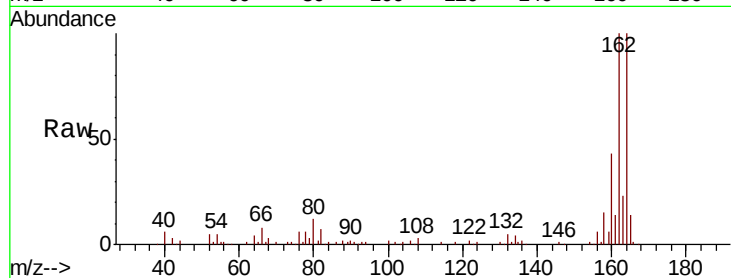




#57
 2,4-Dinitrotoluene
 Concen: 4.709 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG041525.D
 Acq: 28 Jun 2019 22:58

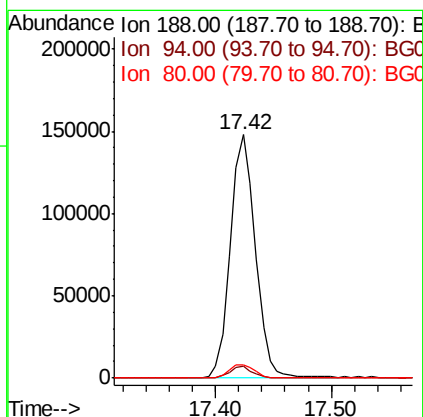
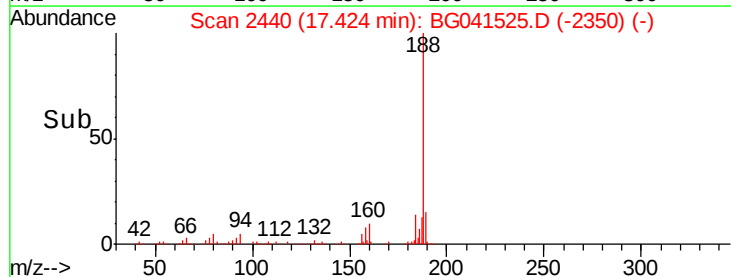
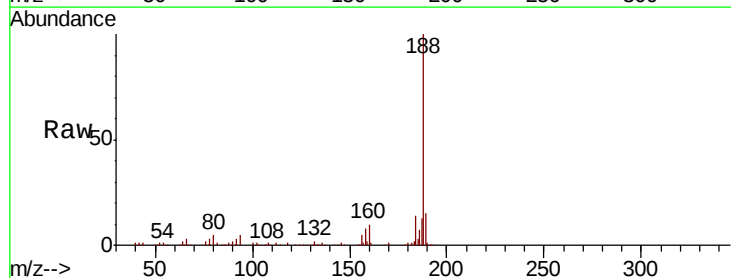
Instrument :
 BNA_G
 ClientSampleId :
 GW-A-061919DL

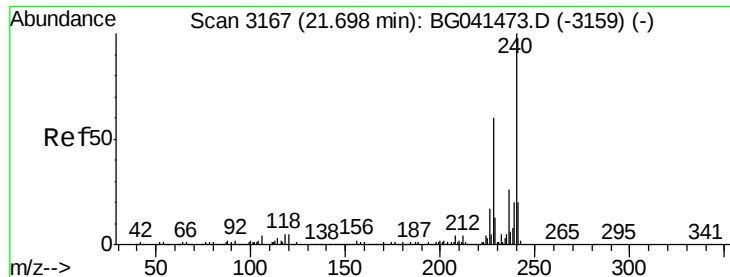
Tgt Ion:	165	Resp:	10501
Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.8	58.2#
89	5.7	60.1	90.1#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.00 min
 Lab File: BG041525.D
 Acq: 28 Jun 2019 22:58

Tgt Ion:	188	Resp:	222204
Ion	Ratio	Lower	Upper
188	100		
94	4.7	3.8	5.8
80	5.4	4.8	7.2

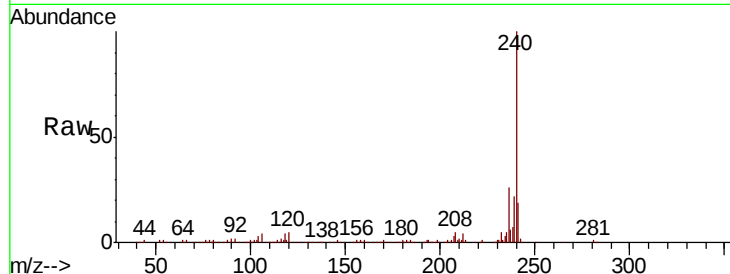




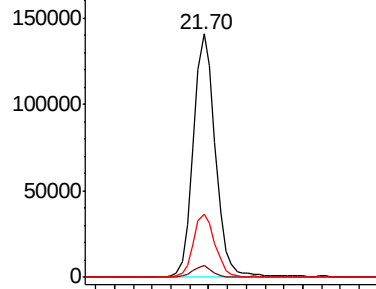
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG041525.D
Acq: 28 Jun 2019 22:58

Instrument :
BNA_G
ClientSampleId :
GW-A-061919DL

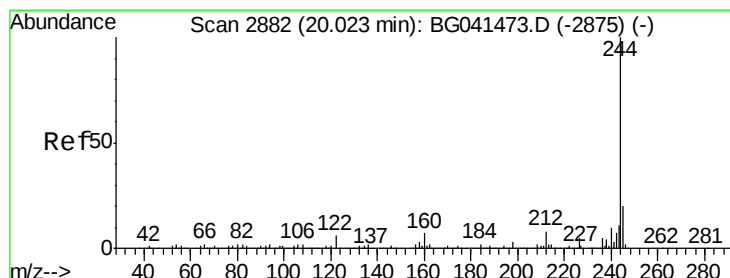
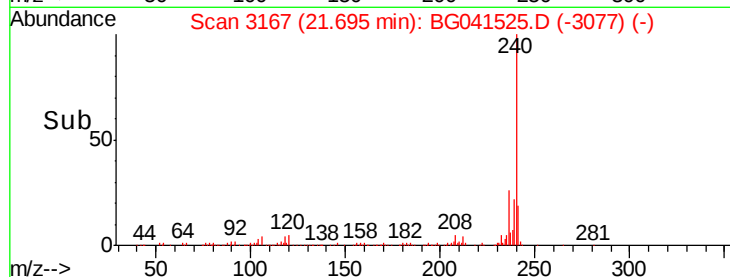
Tgt Ion:240 Resp: 231890
Ion Ratio Lower Upper
240 100
120 4.7 3.7 5.5
236 25.8 20.8 31.2



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

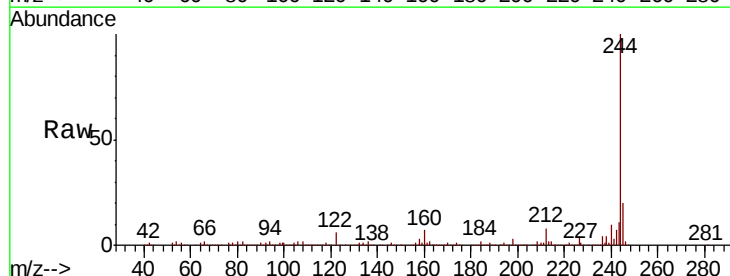


Time--> 21.60 21.70 21.80

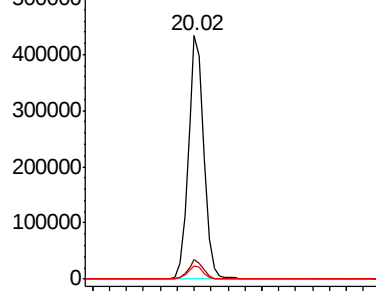


#79
Terphenyl-d14
Concen: 51.465 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.00 min
Lab File: BG041525.D
Acq: 28 Jun 2019 22:58

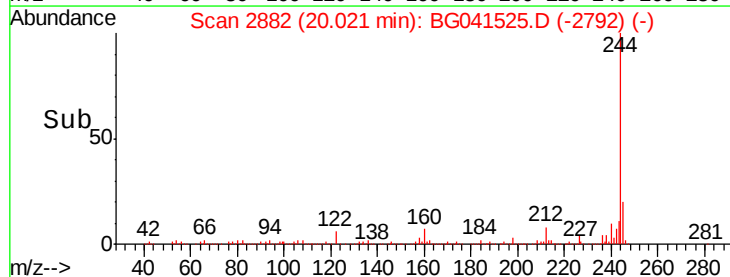
Tgt Ion:244 Resp: 561586
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.4
122 5.7 4.8 7.2

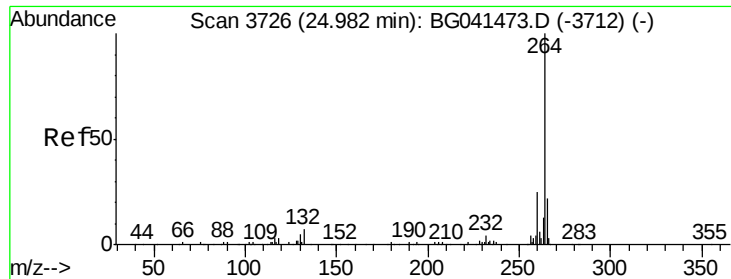


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 19.90 20.00 20.10 20.20





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3726
Delta R.T. -0.00 min
Lab File: BG041525.D
Acq: 28 Jun 2019 22:58

Instrument :
BNA_G
ClientSampleId :
GW-A-061919DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.7	29.5
265	22.1	17.4	26.2

