

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062819\
 Data File : BG041517.D
 Acq On : 28 Jun 2019 17:53
 Operator : HP/JU
 Sample : K3157-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-062619-C

Quant Time: Jun 29 01:50:22 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

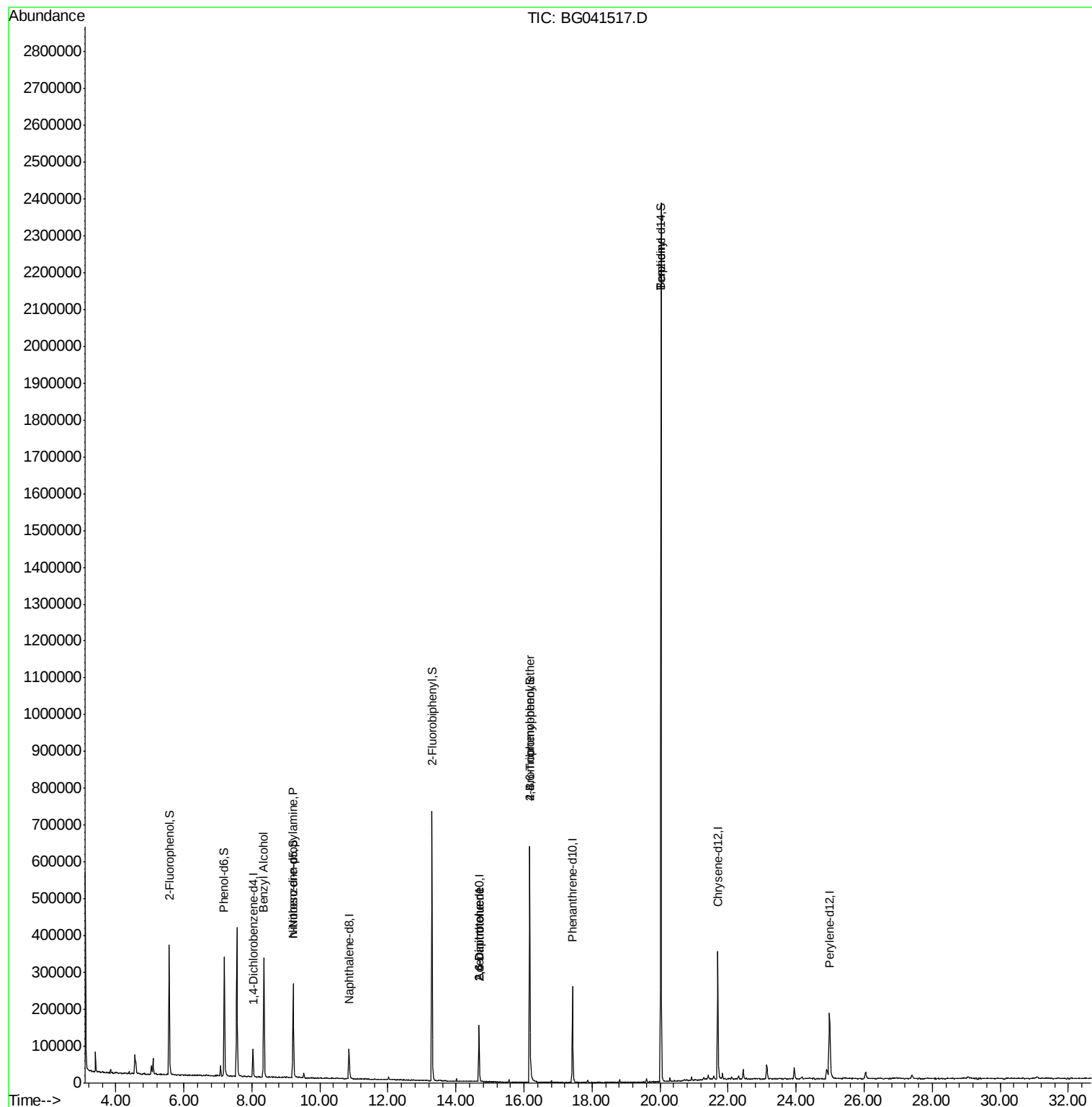
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	21914	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	72368	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	55848	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	177254	20.00	ng	0.00
76) Chrysene-d12	21.70	240	223575	20.00	ng	0.00
87) Perylene-d12	24.98	264	234583	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	140092	113.97	ng	0.00
7) Phenol-d6	7.19	99	176620	102.07	ng	0.00
23) Nitrobenzene-d5	9.21	82	161367	93.00	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	143162	150.13	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	381073	87.56	ng	0.00
79) Terphenyl-d14	20.02	244	1110857	105.59	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	3173	2.303	ng	# 59
19) n-Nitroso-di-n-propylamine	9.21	70	23328	18.074	ng	# 73
51) 2,6-Dinitrotoluene	14.67	165	6693	6.206	ng	# 15
57) 2,4-Dinitrotoluene	14.67	165	6693	4.278	ng	# 20
67) 4-Bromophenyl-phenylether	16.17	248	10380	4.285	ng	# 1
77) Benzidine	20.02	184	18673	3.764	ng	# 92

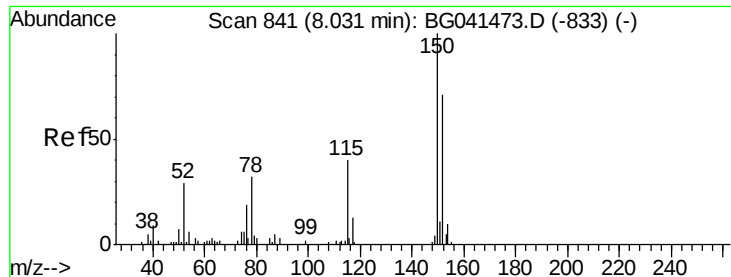
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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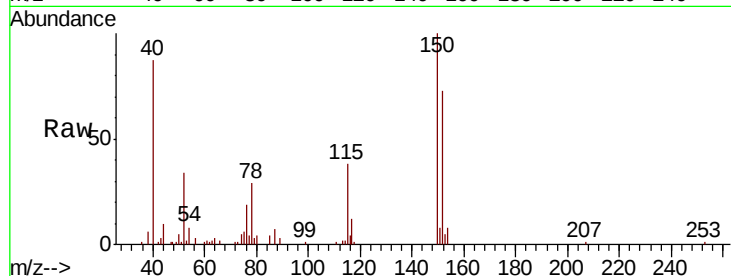


#1

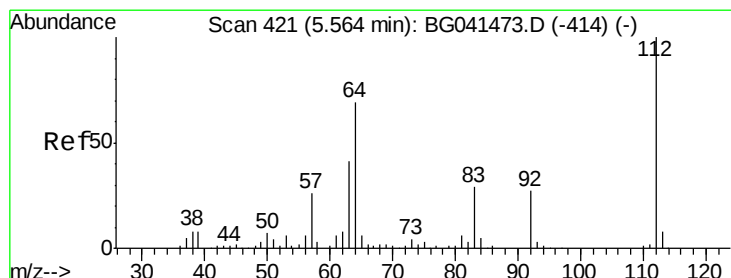
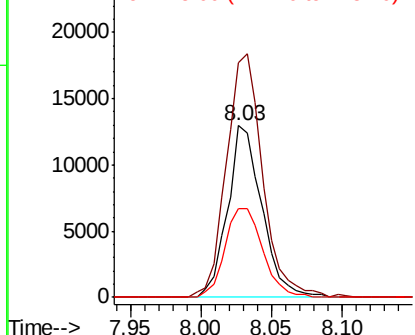
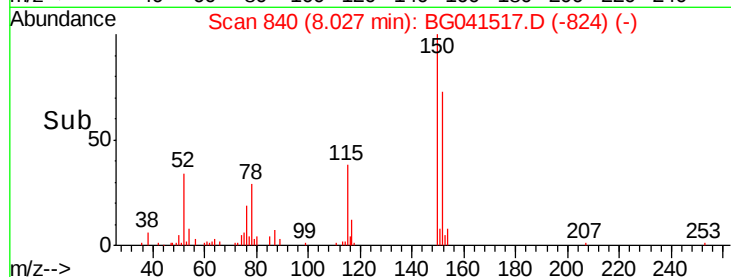
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG041517.D
Acq: 28 Jun 2019 17:53

Instrument :
BNA_G
ClientSampleId :
CL-02-062619-C

Tgt Ion:152 Resp: 21914
Ion Ratio Lower Upper
152 100
150 137.0 112.4 168.6
115 51.9 44.6 66.8



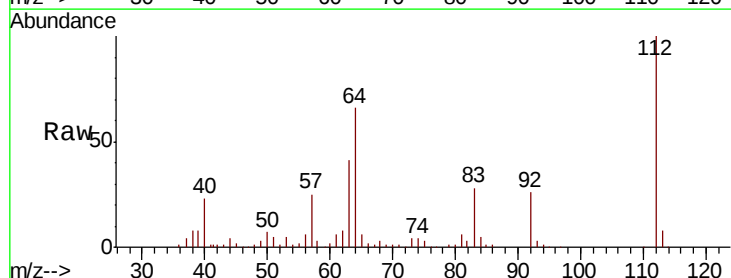
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



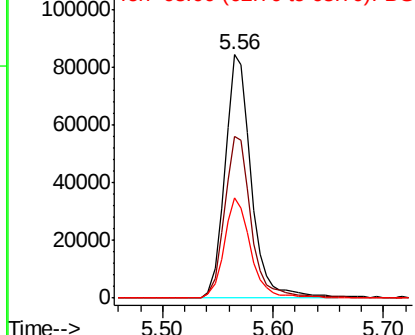
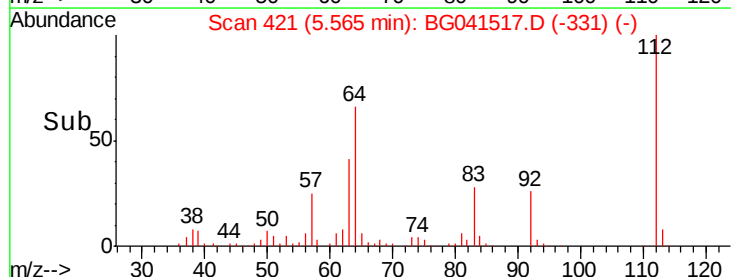
#5

2-Fluorophenol
Concen: 113.974 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG041517.D
Acq: 28 Jun 2019 17:53

Tgt Ion:112 Resp: 140092
Ion Ratio Lower Upper
112 100
64 66.2 55.1 82.7
63 41.0 32.4 48.6



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: 102.073 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG041517.D

Acq: 28 Jun 2019 17:53

Instrument :

BNA_G

ClientSampleId :

CL-02-062619-C

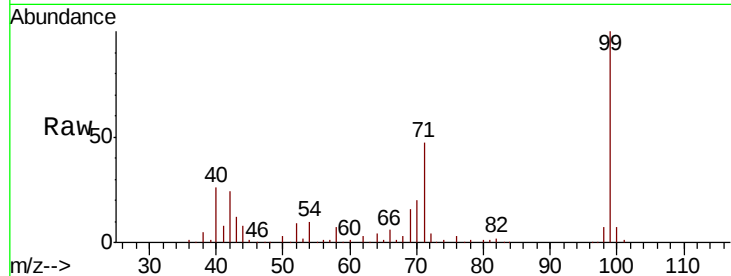
Tgt Ion: 99 Resp: 176620

Ion Ratio Lower Upper

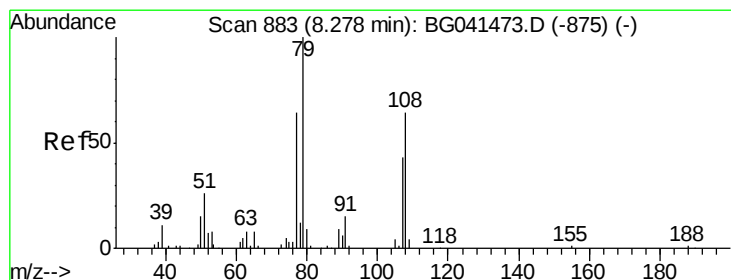
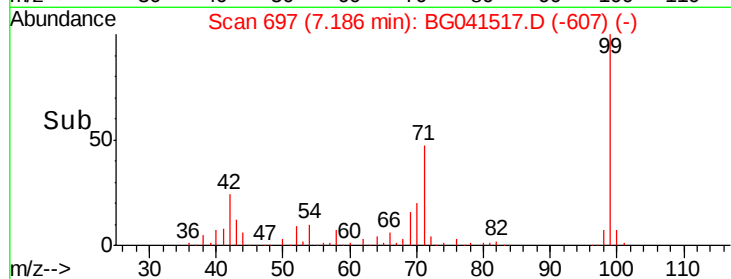
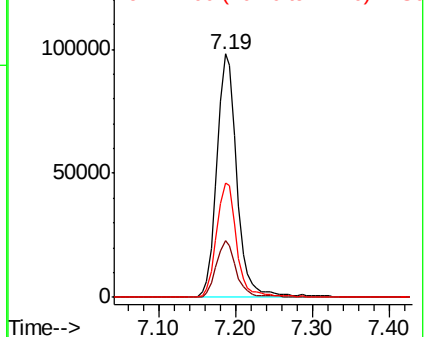
99 100

42 23.5 19.0 28.6

71 47.0 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



#15

Benzyl Alcohol

Concen: 2.303 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG041517.D

Acq: 28 Jun 2019 17:53

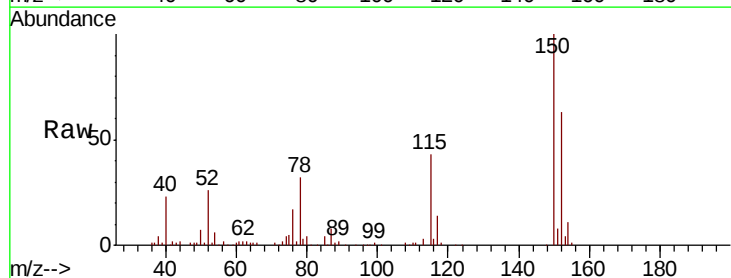
Tgt Ion: 79 Resp: 3173

Ion Ratio Lower Upper

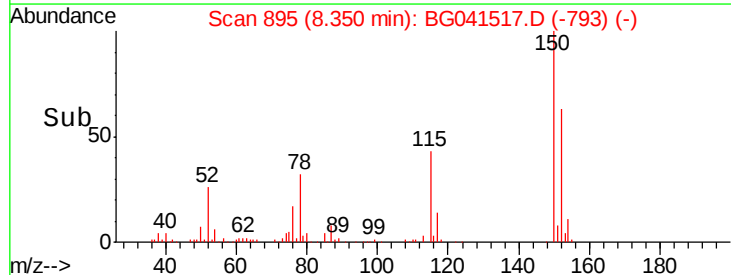
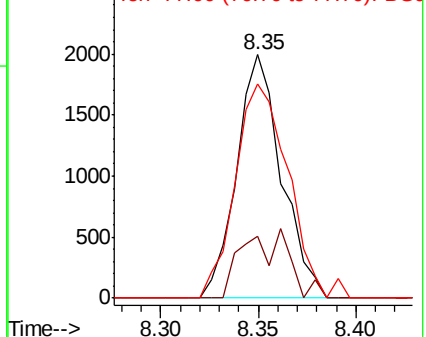
79 100

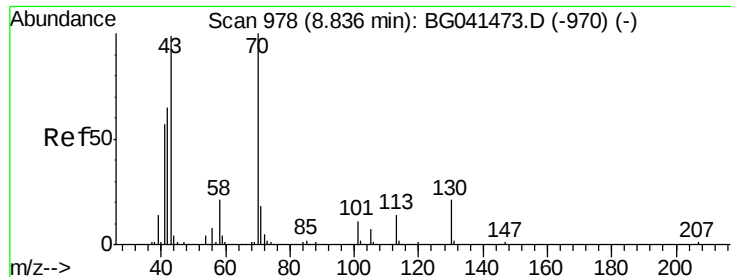
108 25.3 51.4 77.0#

77 88.1 50.8 76.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

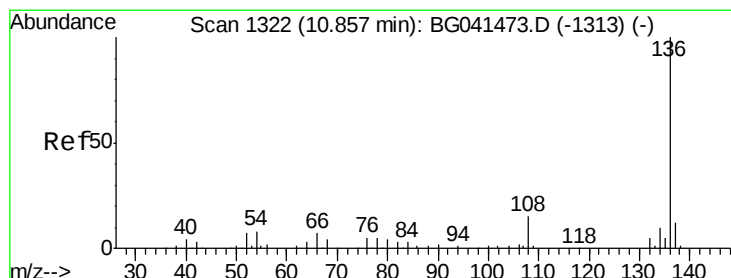
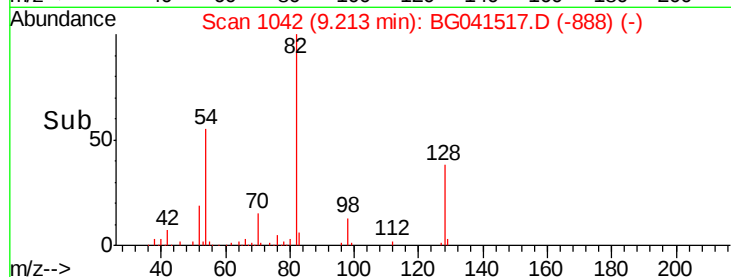
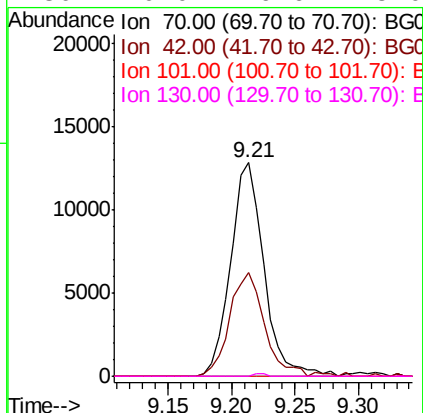
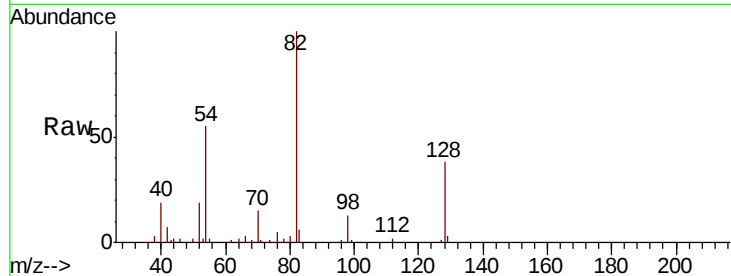




#19
n-Nitroso-di-n-propylamine
Concen: 18.074 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.38 min
Lab File: BG041517.D
Acq: 28 Jun 2019 17:53

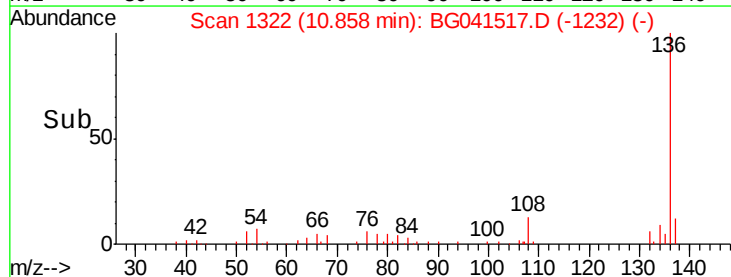
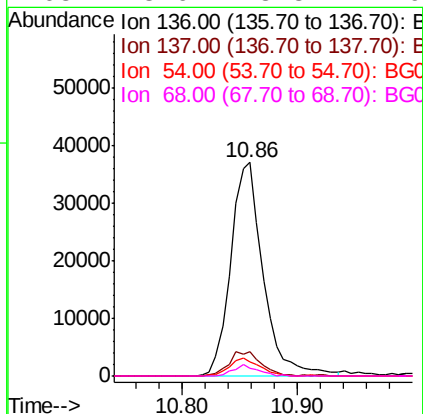
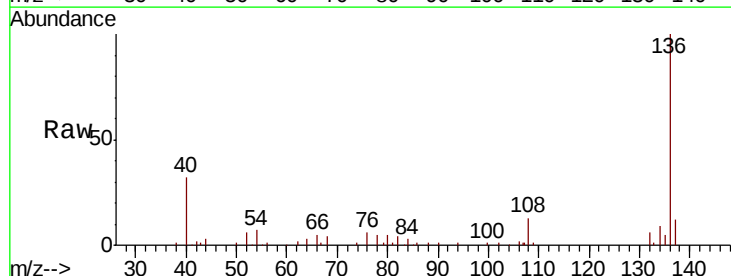
Instrument :
BNA_G
ClientSampleId :
CL-02-062619-C

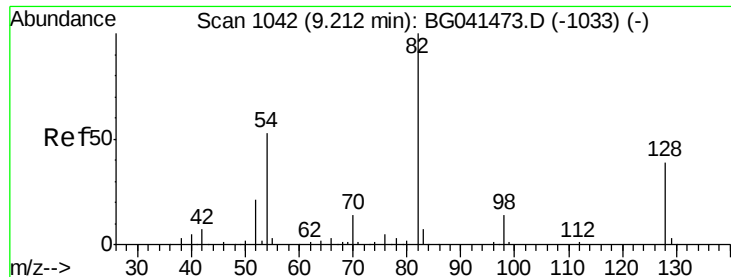
Tgt Ion: 70 Resp: 23328
Ion Ratio Lower Upper
70 100
42 48.8 52.6 78.8#
101 0.0 8.6 13.0#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BG041517.D
Acq: 28 Jun 2019 17:53

Tgt Ion:136 Resp: 72368
Ion Ratio Lower Upper
136 100
137 11.6 9.3 13.9
54 6.7 7.1 10.7#
68 3.6 3.3 4.9

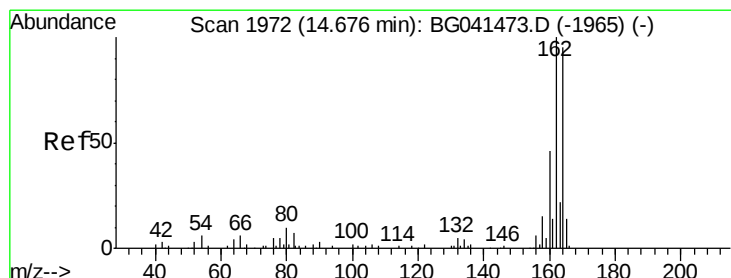
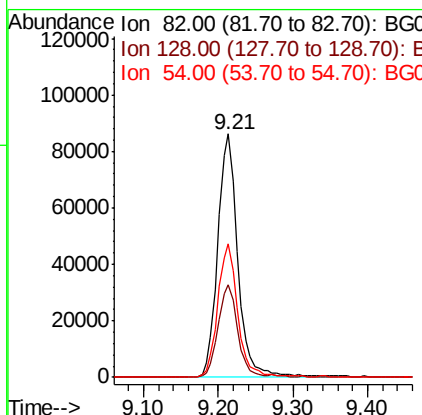
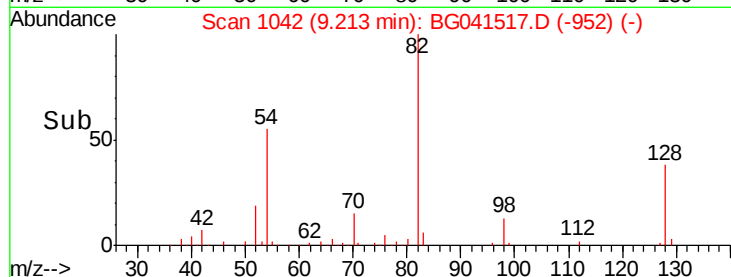
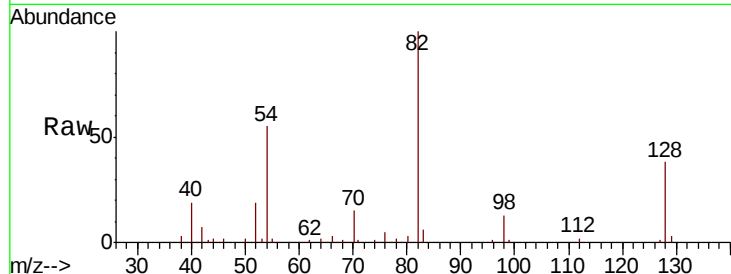




#23
 Nitrobenzene-d5
 Concen: 92.999 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: BG041517.D
 Acq: 28 Jun 2019 17:53

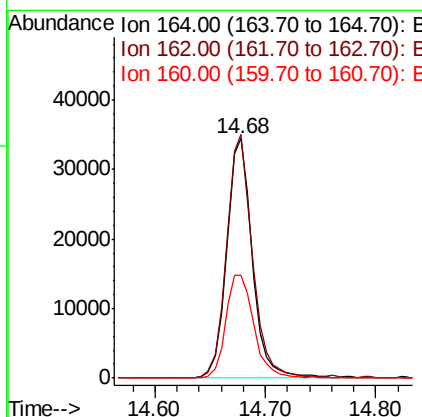
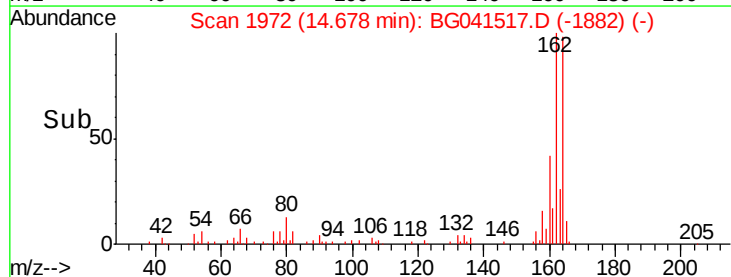
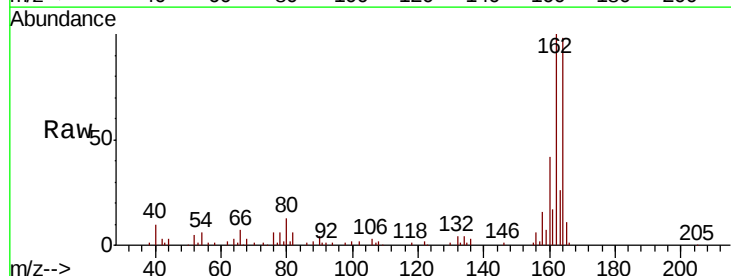
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-062619-C

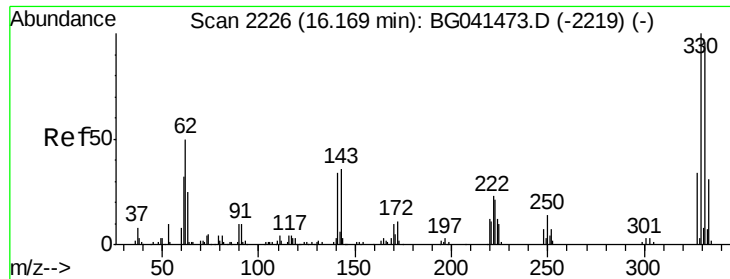
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.9	30.9	46.3
54	55.1	42.2	63.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: BG041517.D
 Acq: 28 Jun 2019 17:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	84.4	126.6
160	42.8	38.8	58.2





#42

2,4,6-Tribromophenol

Concen: 150.133 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BG041517.D

Acq: 28 Jun 2019 17:53

Instrument :

BNA_G

ClientSampleId :

CL-02-062619-C

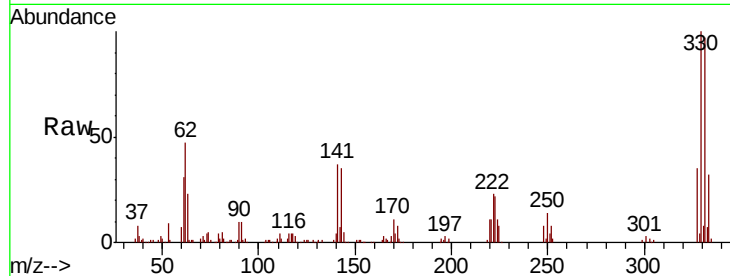
Tgt Ion:330 Resp: 143162

Ion Ratio Lower Upper

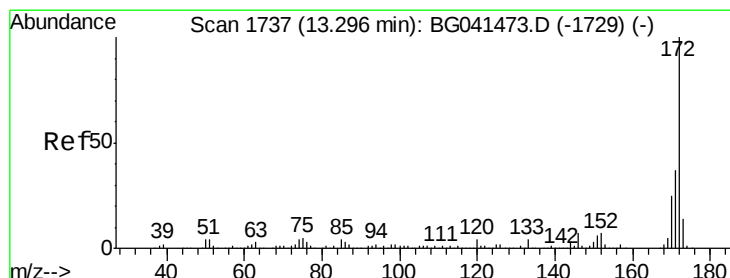
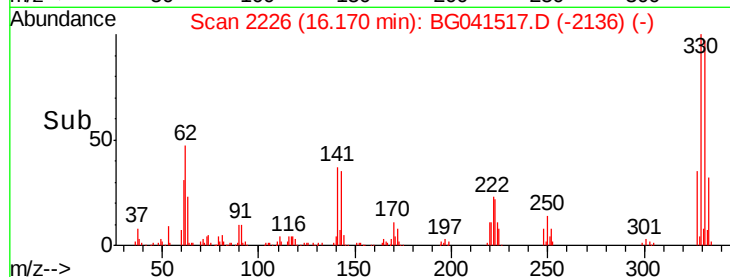
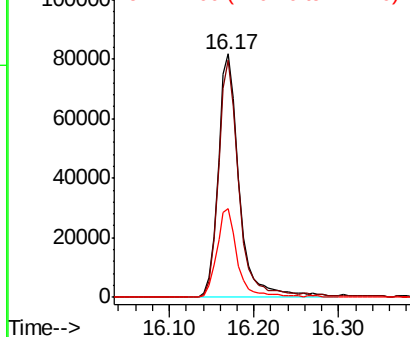
330 100

332 94.3 75.5 113.3

141 35.8 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: 87.562 ng

RT: 13.30 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BG041517.D

Acq: 28 Jun 2019 17:53

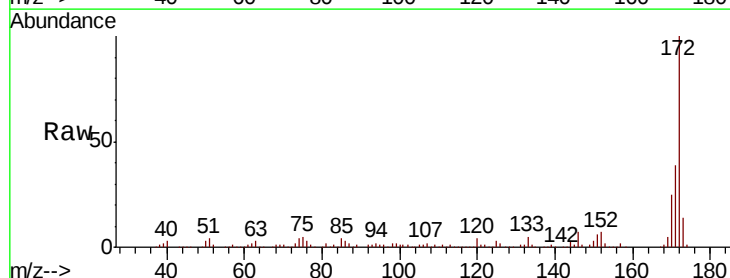
Tgt Ion:172 Resp: 381073

Ion Ratio Lower Upper

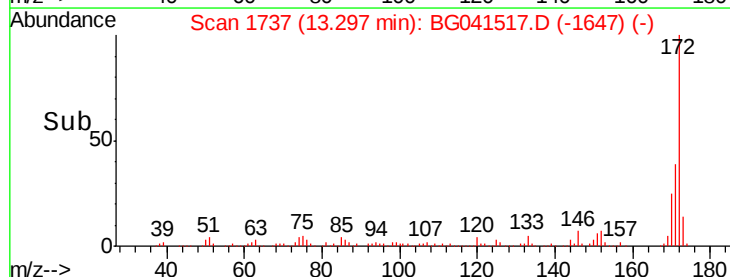
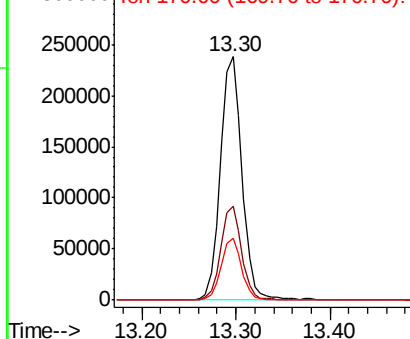
172 100

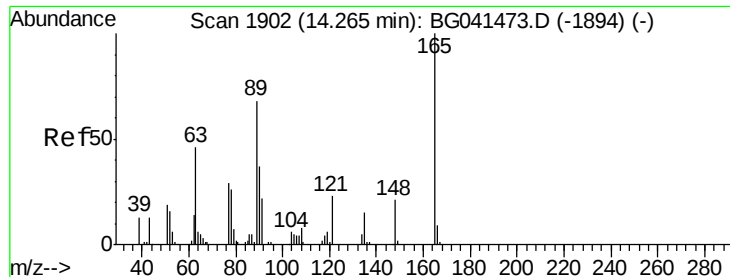
171 38.8 29.6 44.4

170 25.4 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

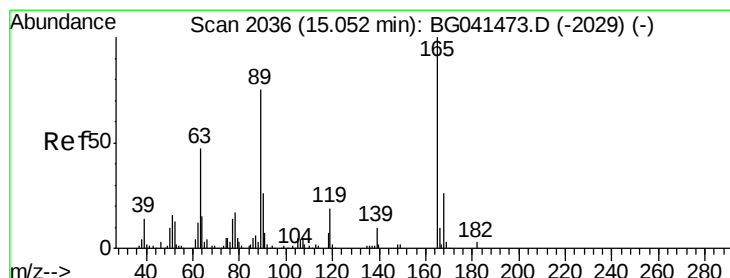
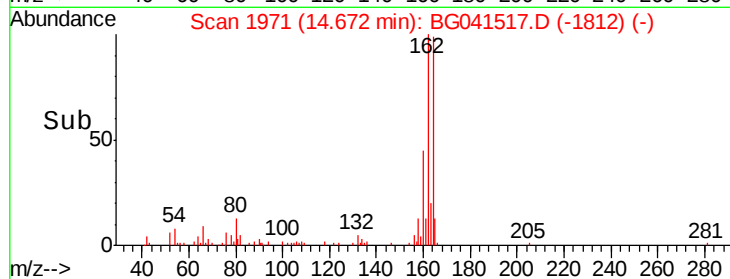
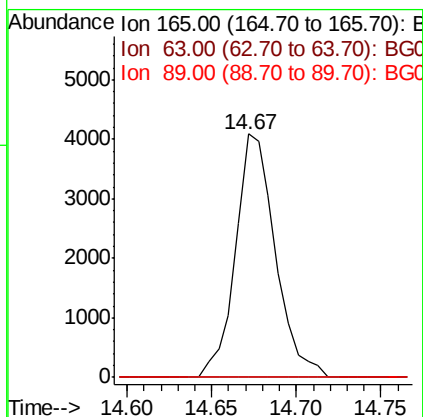
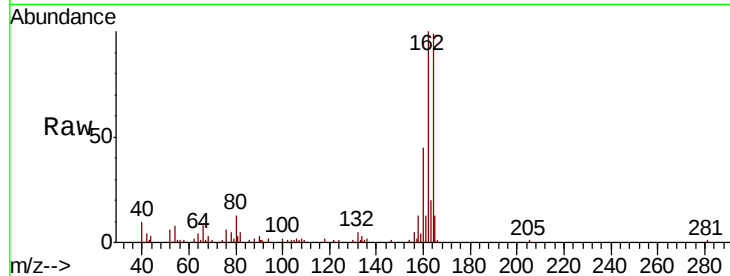




#51
 2,6-Dinitrotoluene
 Concen: 6.206 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.41 min
 Lab File: BG041517.D
 Acq: 28 Jun 2019 17:53

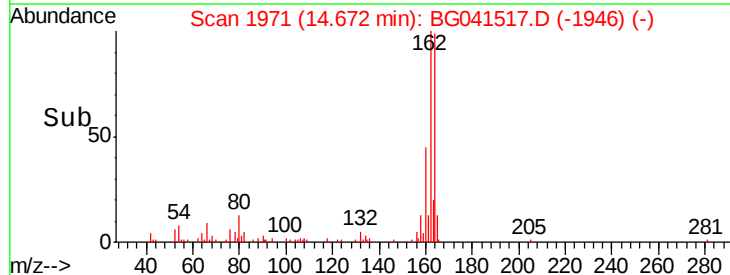
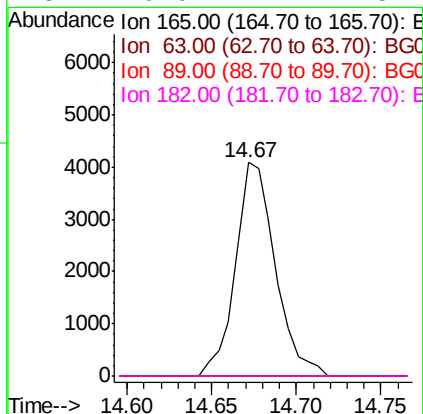
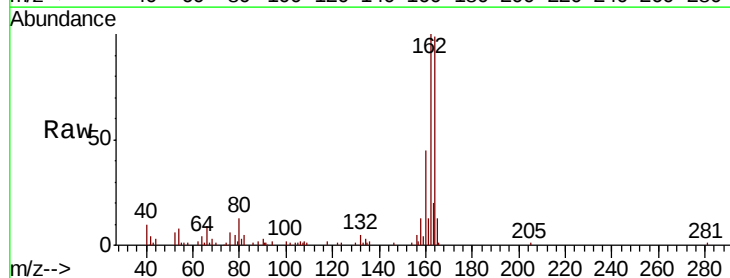
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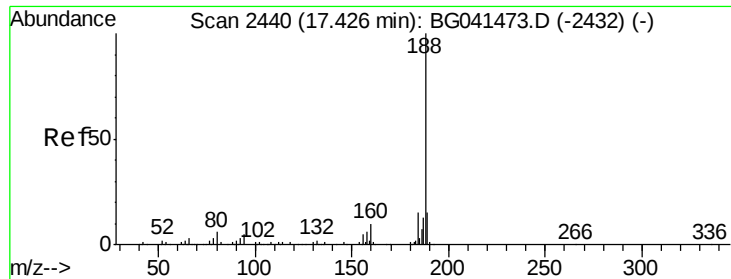
Tgt Ion:165 Resp: 6693
 Ion Ratio Lower Upper
 165 100
 63 0.0 56.4 84.6#
 89 0.0 54.6 81.8#



#57
 2,4-Dinitrotoluene
 Concen: 4.278 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG041517.D
 Acq: 28 Jun 2019 17:53

Tgt Ion:165 Resp: 6693
 Ion Ratio Lower Upper
 165 100
 63 0.0 38.8 58.2#
 89 0.0 60.1 90.1#
 182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG041517.D

Acq: 28 Jun 2019 17:53

Instrument :

BNA_G

ClientSampleId :

CL-02-062619-C

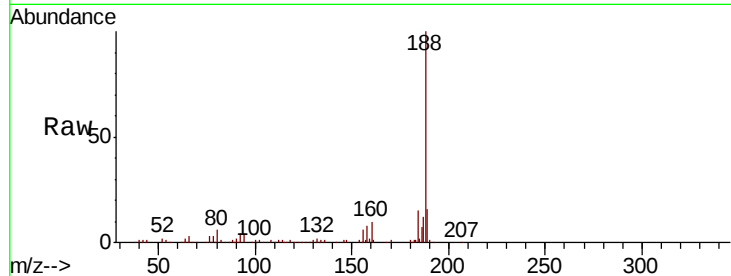
Tgt Ion:188 Resp: 177254

Ion Ratio Lower Upper

188 100

94 4.4 3.8 5.8

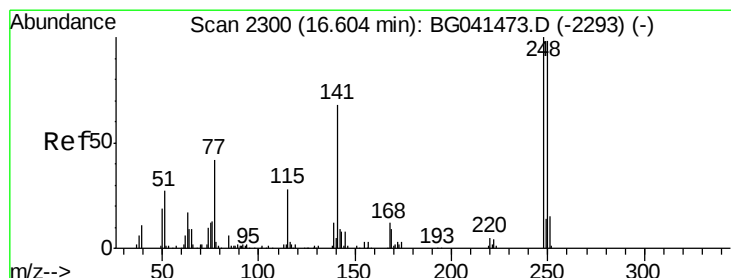
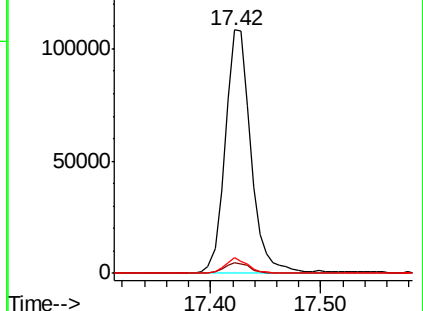
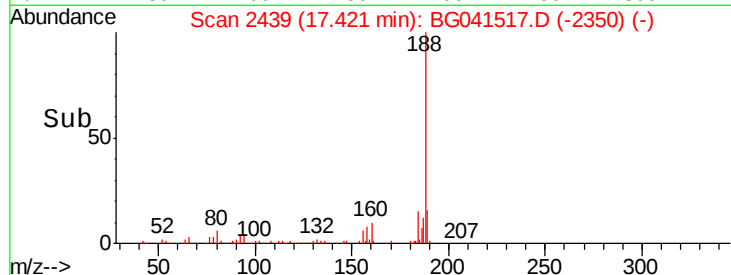
80 6.2 4.8 7.2



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: 4.285 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.43 min

Lab File: BG041517.D

Acq: 28 Jun 2019 17:53

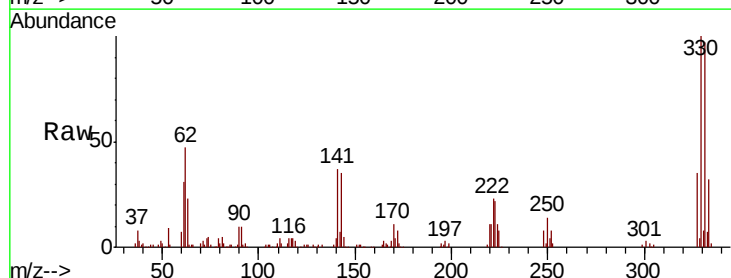
Tgt Ion:248 Resp: 10380

Ion Ratio Lower Upper

248 100

250 168.9 78.1 117.1#

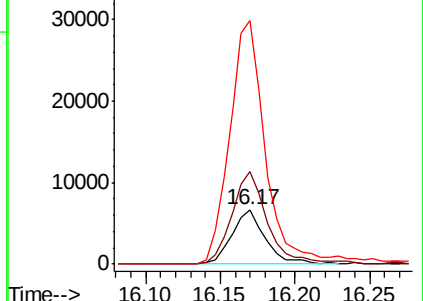
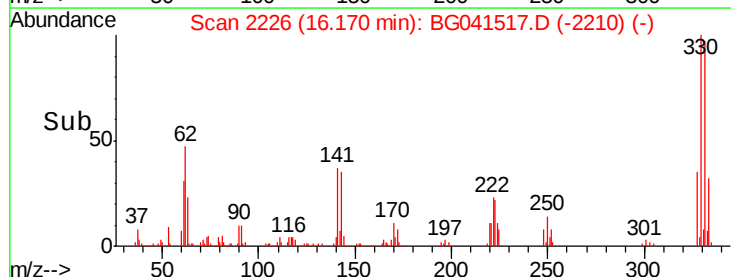
141 446.0 54.1 81.1#

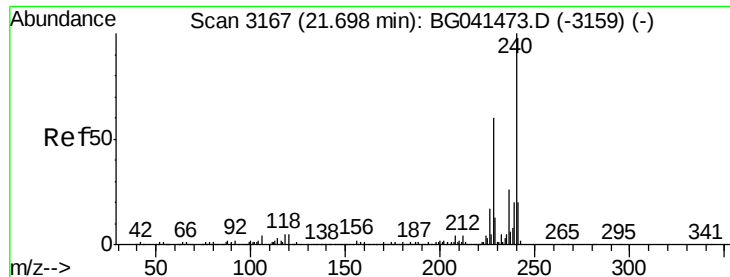


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.70 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BG041517.D

Acq: 28 Jun 2019 17:53

Instrument :

BNA_G

ClientSampleId :

CL-02-062619-C

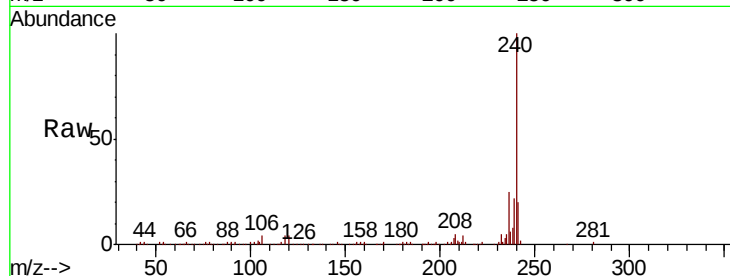
Tgt Ion:240 Resp: 223575

Ion Ratio Lower Upper

240 100

120 3.6 3.7 5.5#

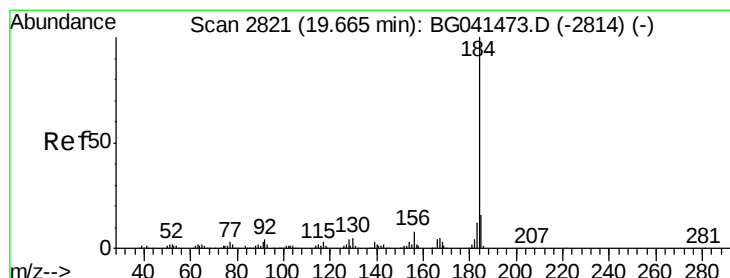
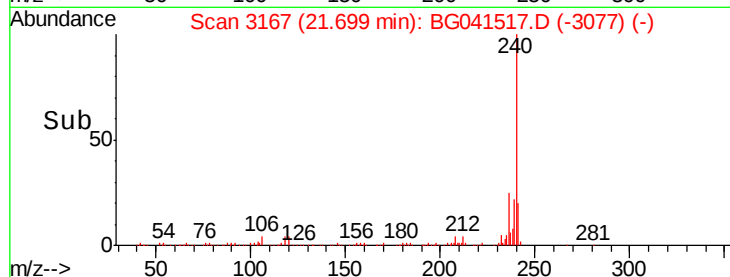
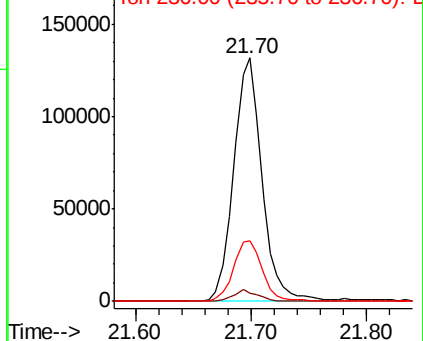
236 24.6 20.8 31.2



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



#77

Benzidine

Concen: 3.764 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG041517.D

Acq: 28 Jun 2019 17:53

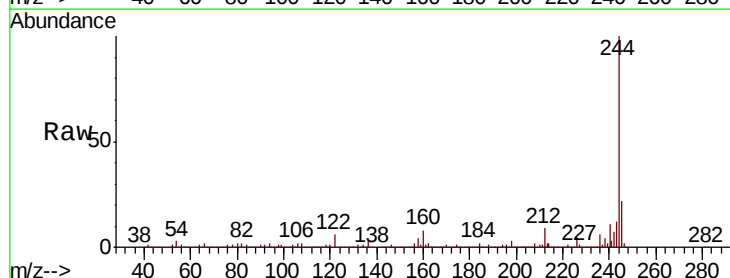
Tgt Ion:184 Resp: 18673

Ion Ratio Lower Upper

184 100

185 17.5 12.7 19.1

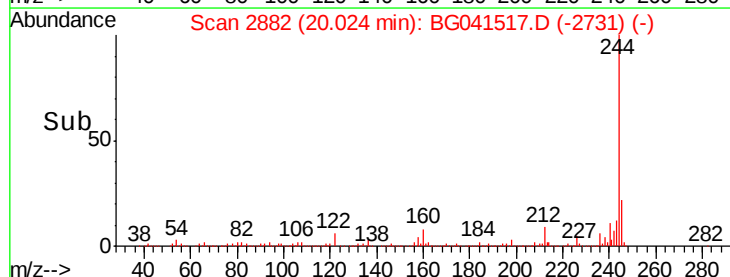
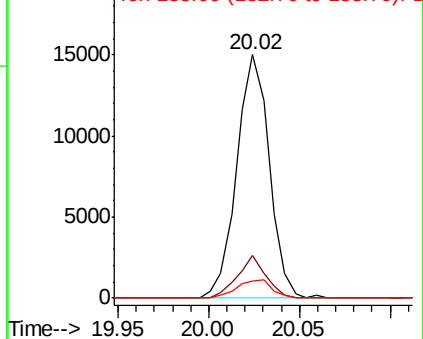
183 6.8 9.4 14.2#

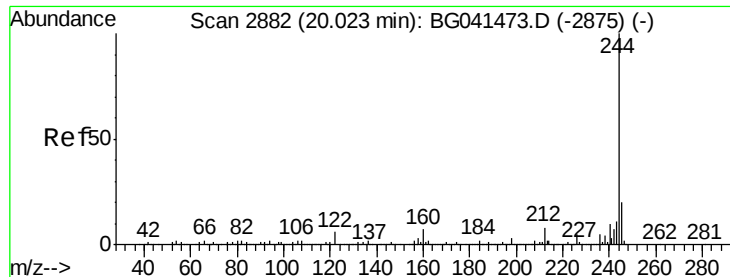


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 105.587 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BG041517.D

Acq: 28 Jun 2019 17:53

Instrument :

BNA_G

ClientSampleId :

CL-02-062619-C

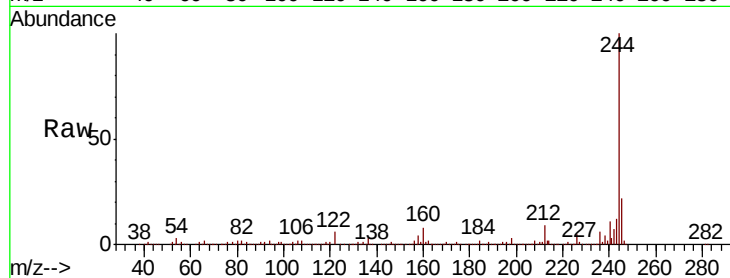
Tgt Ion:244 Resp: 1110857

Ion Ratio Lower Upper

244 100

212 8.6 6.2 9.4

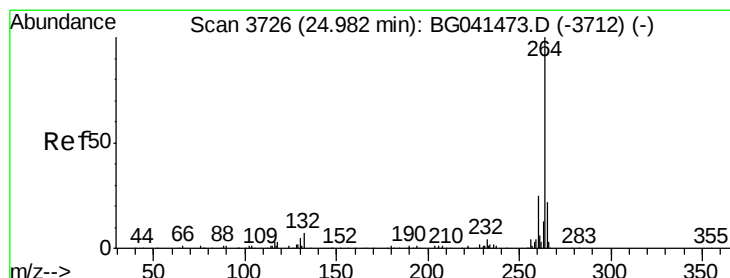
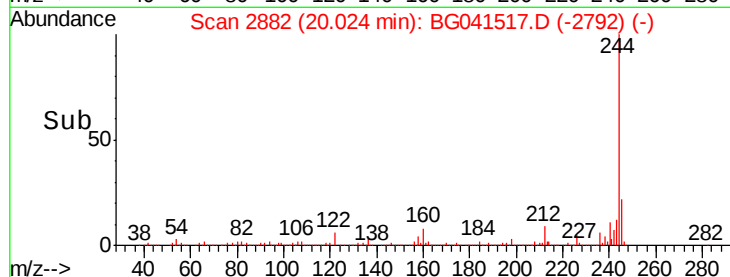
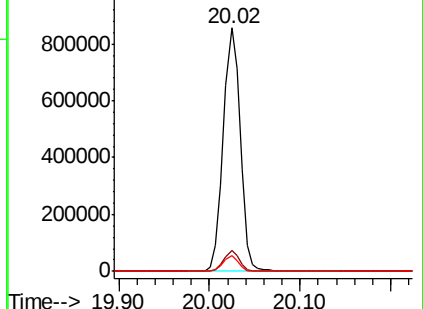
122 6.3 4.8 7.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.98 min Scan# 3726

Delta R.T. 0.00 min

Lab File: BG041517.D

Acq: 28 Jun 2019 17:53

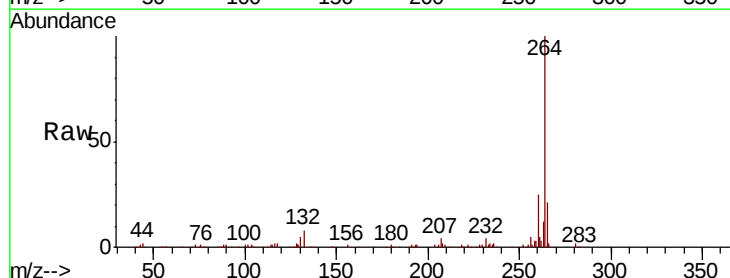
Tgt Ion:264 Resp: 234583

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

265 21.2 17.4 26.2



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

