

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062919\
 Data File : BG041543.D
 Acq On : 29 Jun 2019 12:59
 Operator : HP/JU
 Sample : K3555-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-9

Quant Time: Jun 30 00:55:35 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

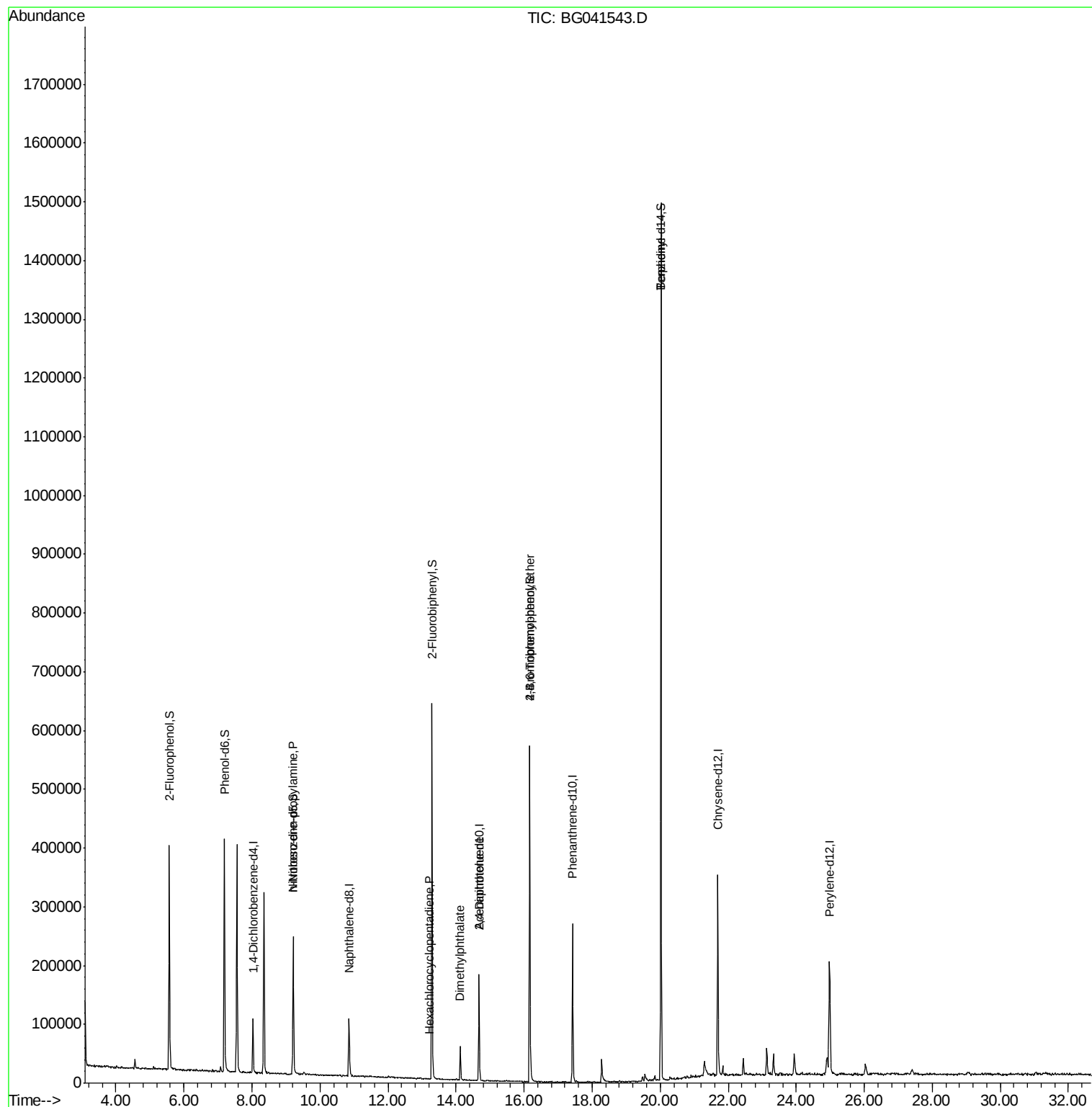
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	25539	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	87749	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	63145	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	180019	20.00	ng	0.00
76) Chrysene-d12	21.70	240	216130	20.00	ng	0.00
87) Perylene-d12	24.98	264	230965	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	156081	108.96	ng	0.00
7) Phenol-d6	7.19	99	213771	106.01	ng	0.00
23) Nitrobenzene-d5	9.21	82	149675	71.14	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	120260	111.54	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	322255	65.49	ng	0.00
79) Terphenyl-d14	20.02	244	734696	72.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	20846	13.859	ng	# 71
41) Hexachlorocyclopentadiene	13.22	237	53	3.680	ng	# 29
50) Dimethylphthalate	14.12	163	42779	7.445	ng	# 97
57) 2,4-Dinitrotoluene	14.67	165	8071	4.562	ng	# 22
67) 4-Bromophenyl-phenylether	16.17	248	8481	3.448	ng	# 1
77) Benzidine	20.02	184	12692	2.647	ng	# 89

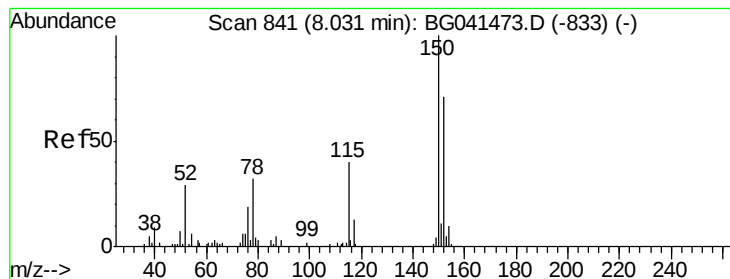
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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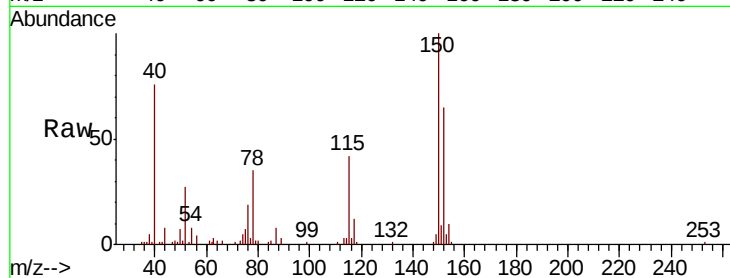


#1

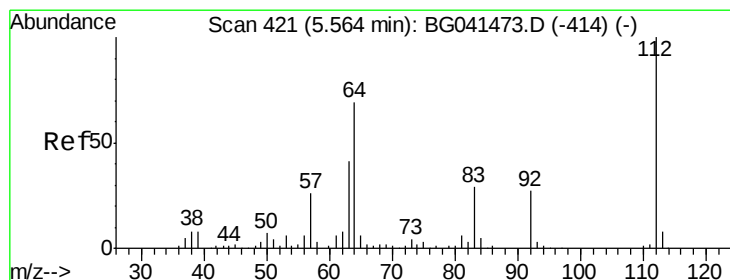
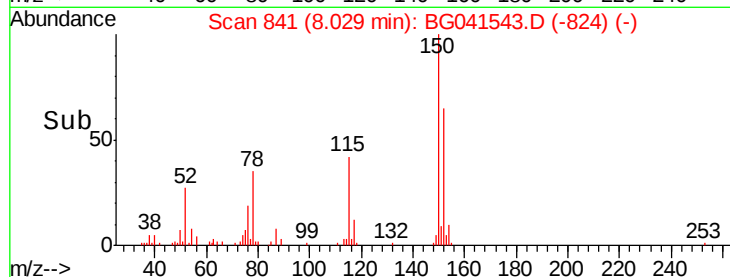
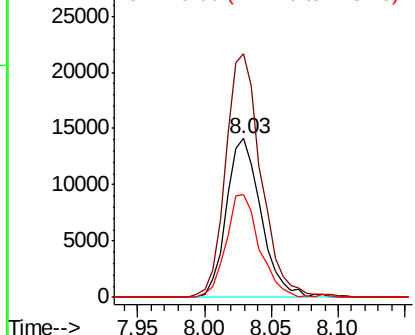
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041543.D
Acq: 29 Jun 2019 12:59

Instrument :
BNA_G
ClientSampleId :
SAMPLE-9

Tgt Ion:152 Resp: 25539
Ion Ratio Lower Upper
152 100
150 153.5 112.4 168.6
115 64.5 44.6 66.8



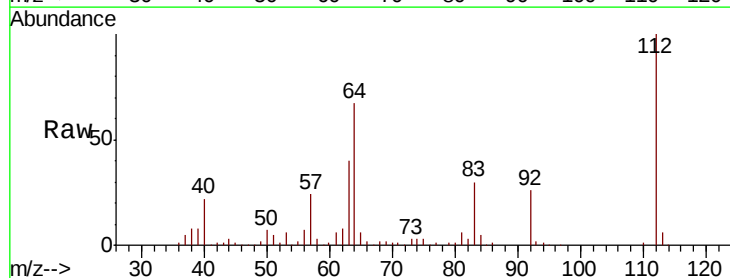
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



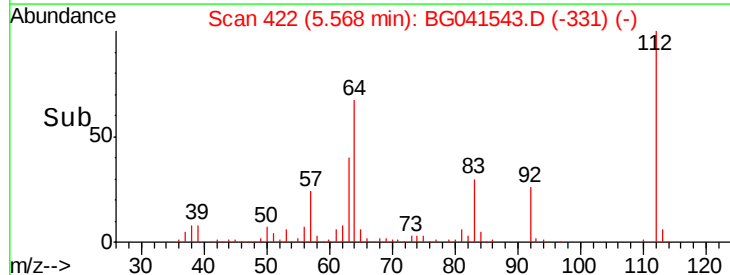
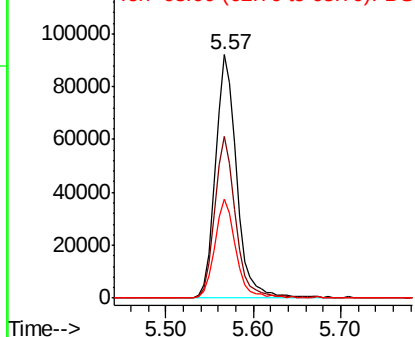
#5

2-Fluorophenol
Concen: 108.959 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG041543.D
Acq: 29 Jun 2019 12:59

Tgt Ion:112 Resp: 156081
Ion Ratio Lower Upper
112 100
64 66.6 55.1 82.7
63 40.4 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: 106.008 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041543.D

Acq: 29 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

SAMPLE-9

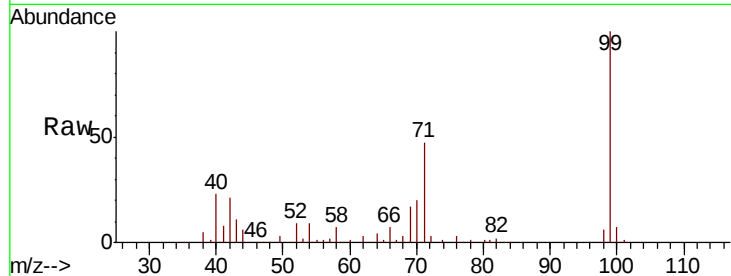
Tgt Ion: 99 Resp: 213771

Ion Ratio Lower Upper

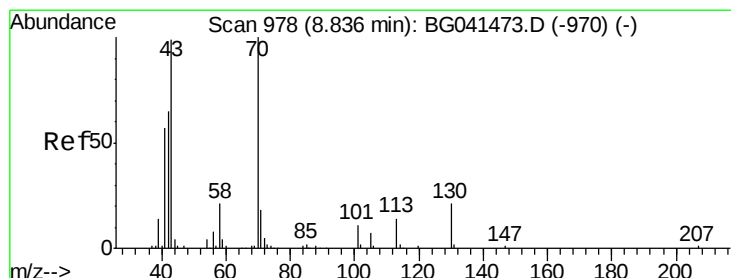
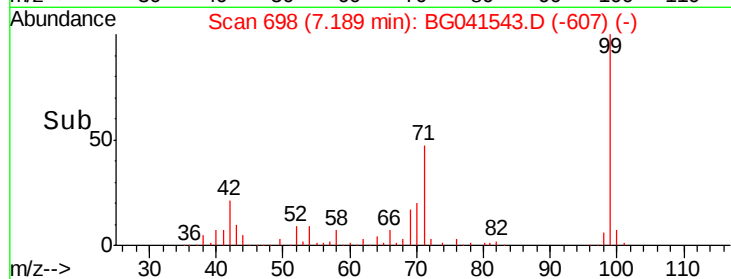
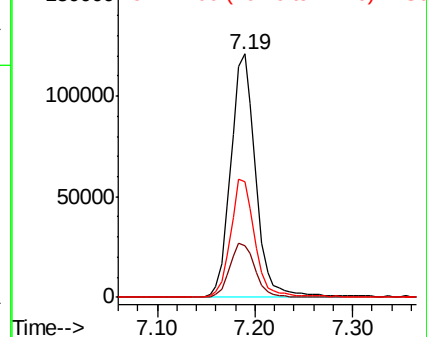
99 100

42 21.1 19.0 28.6

71 47.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.859 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.37 min

Lab File: BG041543.D

Acq: 29 Jun 2019 12:59

Tgt Ion: 70 Resp: 20846

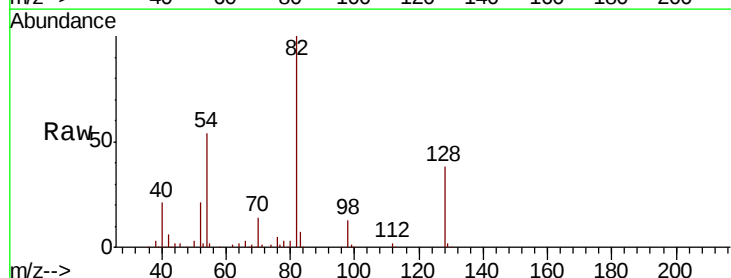
Ion Ratio Lower Upper

70 100

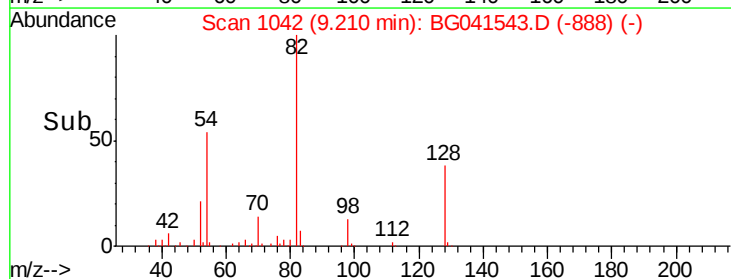
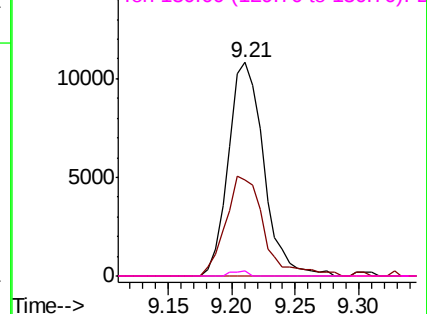
42 45.2 52.6 78.8#

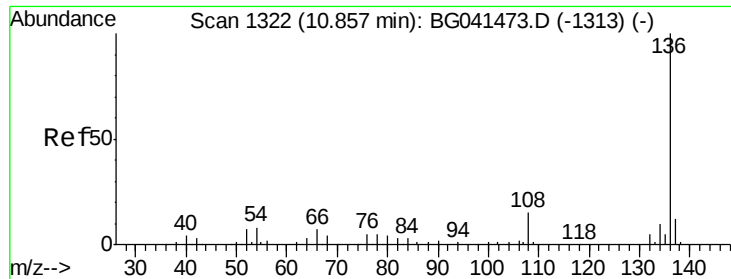
101 0.0 8.6 13.0#

130 2.4 16.6 25.0#



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

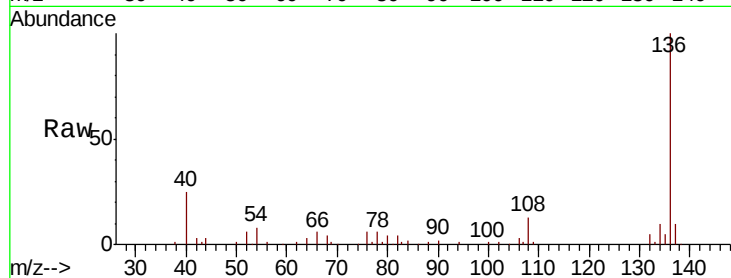




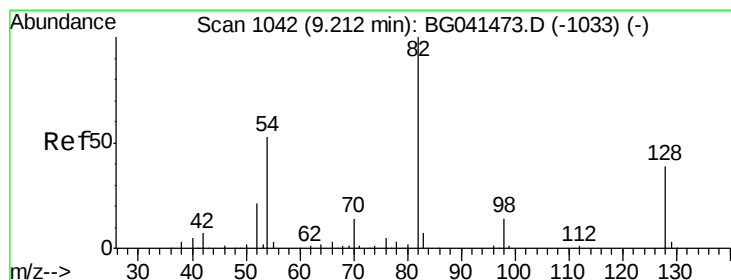
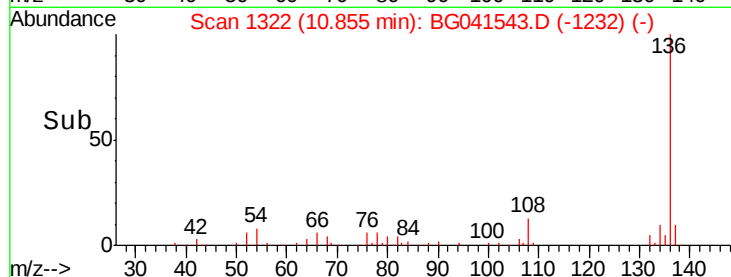
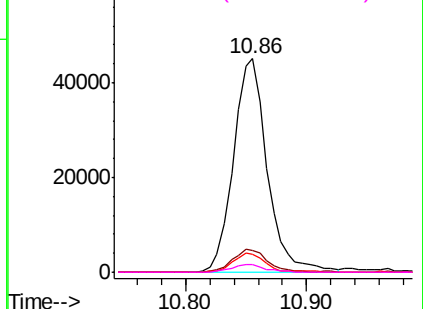
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041543.D
Acq: 29 Jun 2019 12:59

Instrument :
BNA_G
ClientSampleId :
SAMPLE-9

Tgt Ion: 136 Resp: 87749
Ion Ratio Lower Upper
136 100
137 10.4 9.3 13.9
54 8.1 7.1 10.7
68 4.2 3.3 4.9

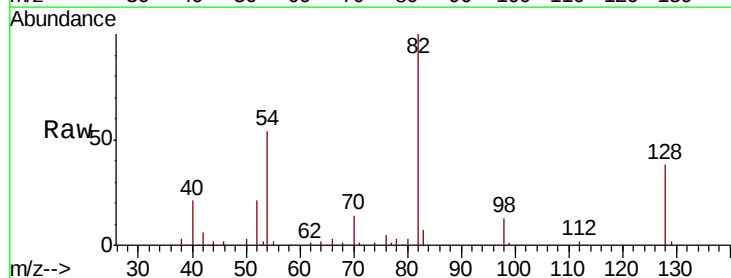


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

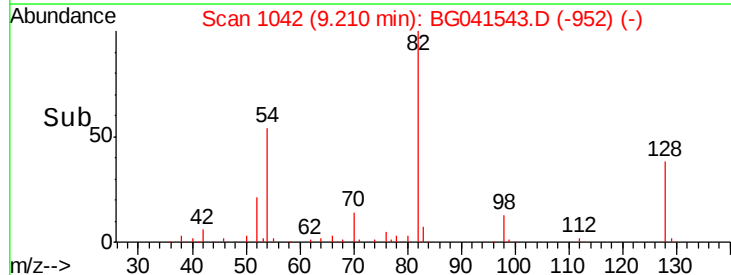
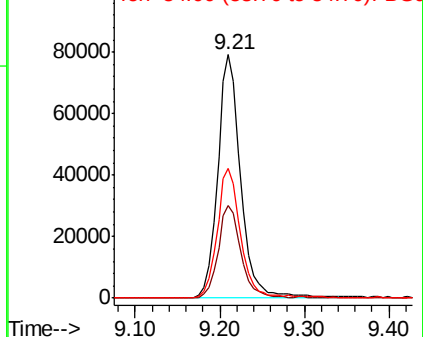


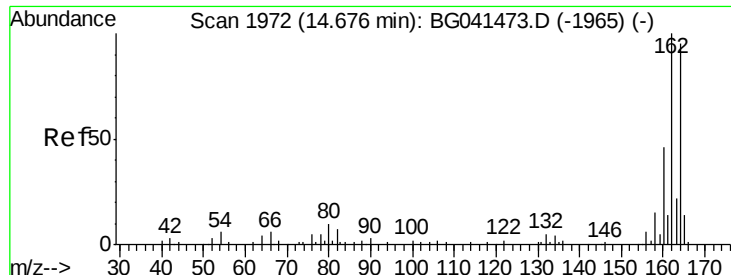
#23
Nitrobenzene-d5
Concen: 71.140 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041543.D
Acq: 29 Jun 2019 12:59

Tgt Ion: 82 Resp: 149675
Ion Ratio Lower Upper
82 100
128 38.2 30.9 46.3
54 53.5 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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG041543.D

Acq: 29 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

SAMPLE-9

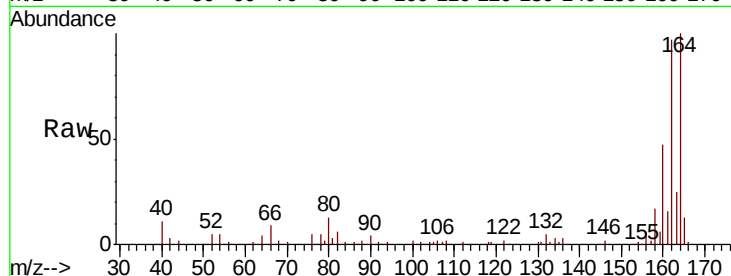
Tgt Ion:164 Resp: 63145

Ion Ratio Lower Upper

164 100

162 97.3 84.4 126.6

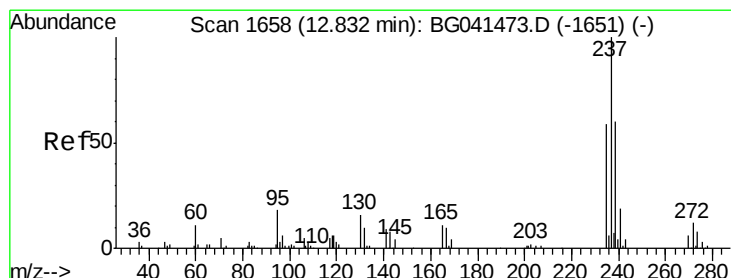
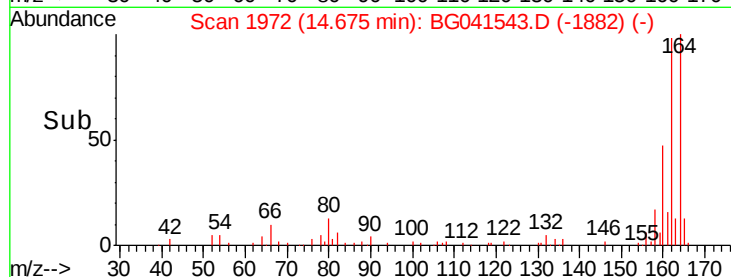
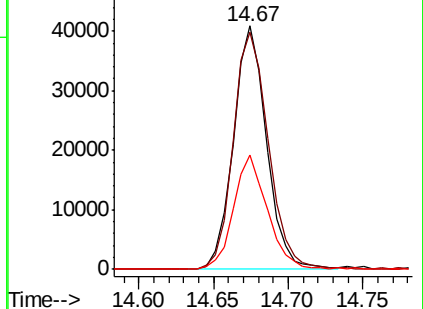
160 46.8 38.8 58.2



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



#41

Hexachlorocyclopentadiene

Concen: 3.680 ng

RT: 13.22 min Scan# 1725

Delta R.T. 0.39 min

Lab File: BG041543.D

Acq: 29 Jun 2019 12:59

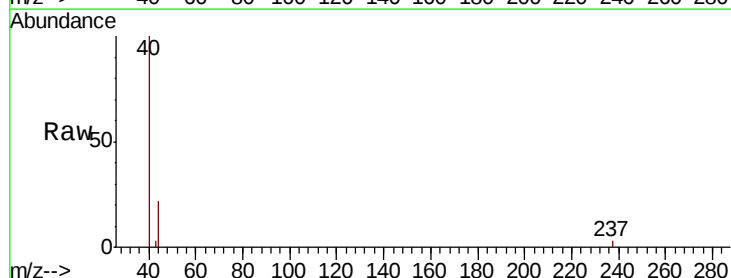
Tgt Ion:237 Resp: 53

Ion Ratio Lower Upper

237 100

235 0.0 39.1 79.1#

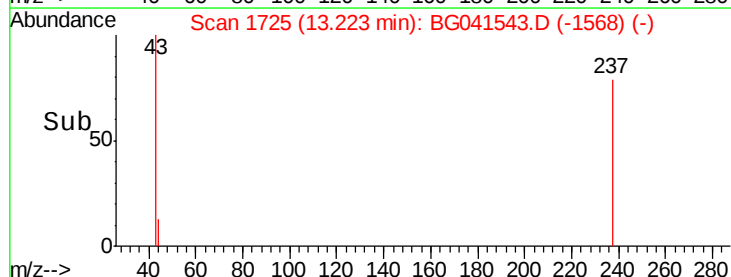
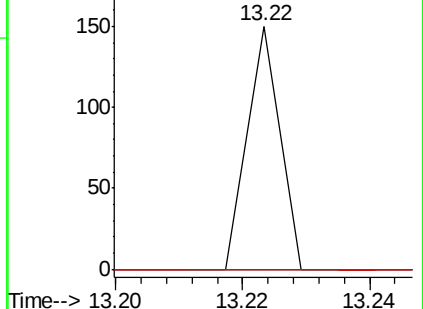
272 0.0 0.0 31.5

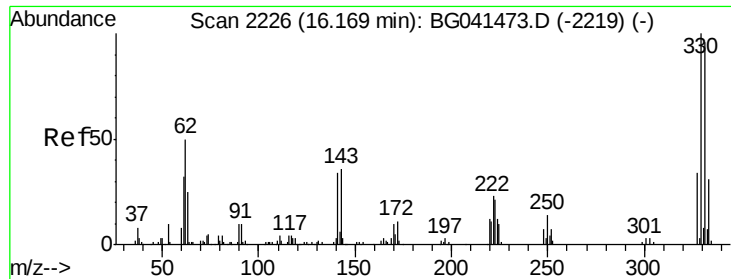


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

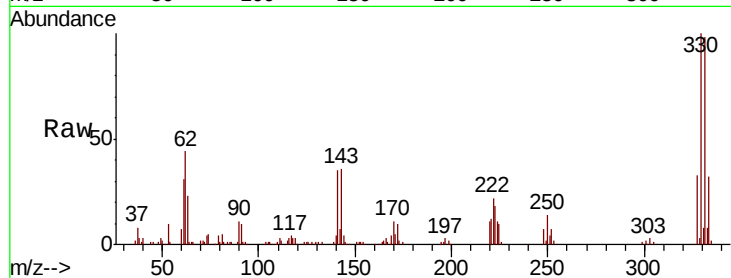




#42
 2,4,6-Tribromophenol
 Concen: 111.542 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BG041543.D
 Acq: 29 Jun 2019 12:59

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-9

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.5	113.3
141	35.5	27.8	41.6

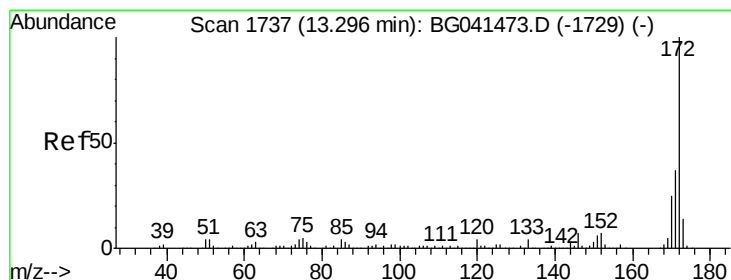
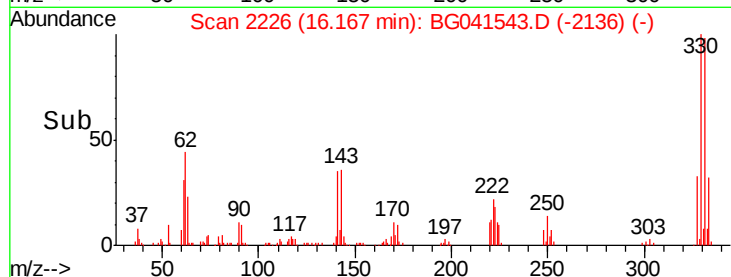
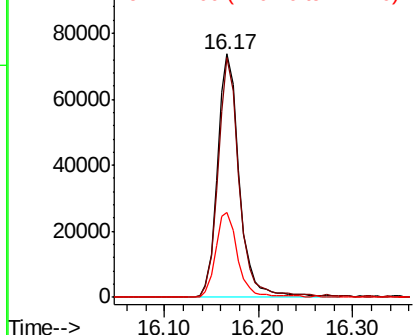


Abundance

Ion 329.80 (329.50 to 330.50): E

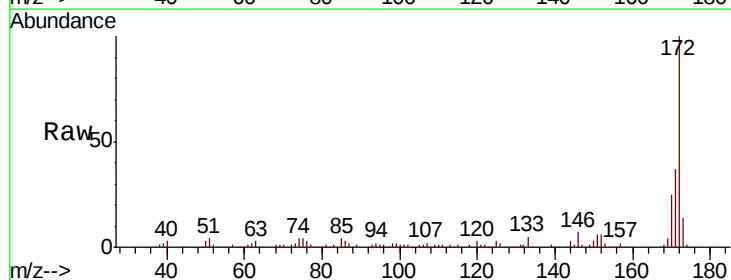
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 65.490 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041543.D
 Acq: 29 Jun 2019 12:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.6	44.4
170	24.8	20.0	30.0

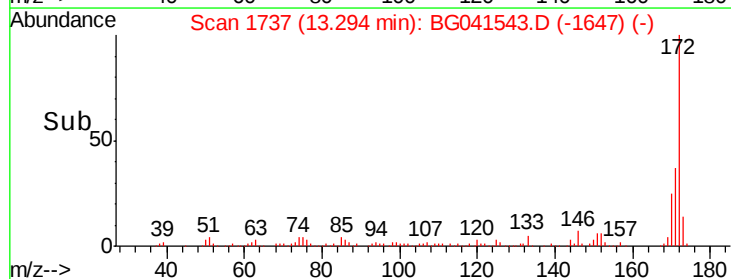
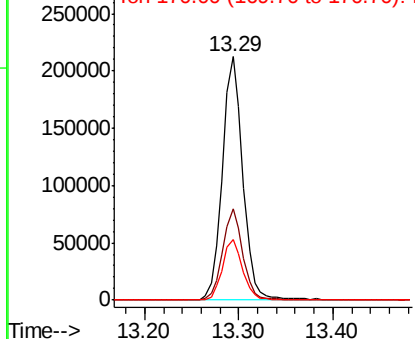


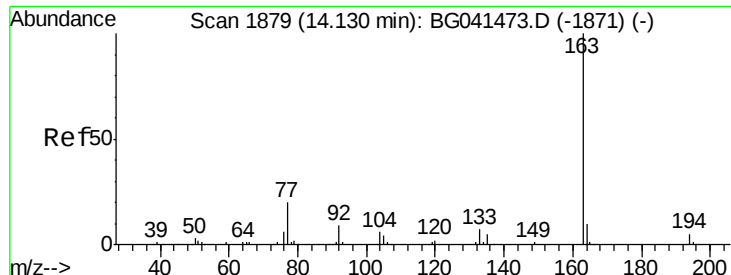
Abundance

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





#50

Dimethylphthalate

Concen: 7.445 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG041543.D

Acq: 29 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

SAMPLE-9

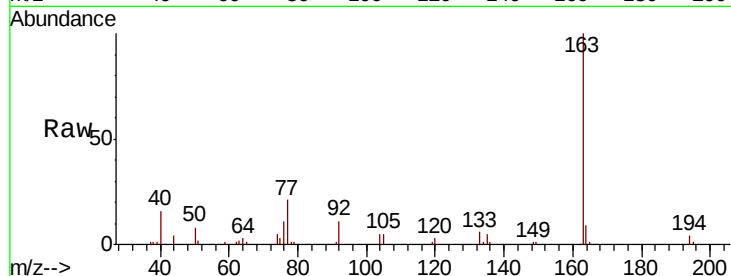
Tgt Ion:163 Resp: 42779

Ion Ratio Lower Upper

163 100

194 3.6 3.7 5.5#

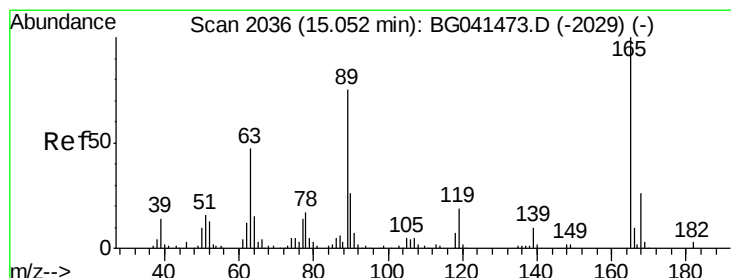
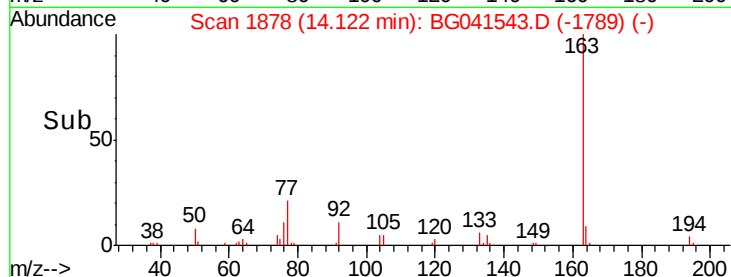
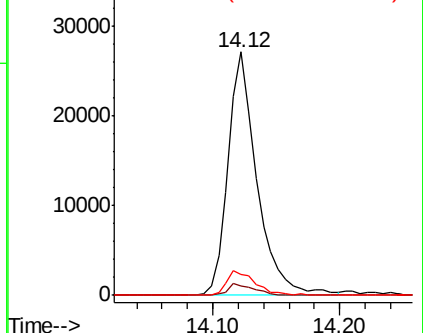
164 8.5 7.8 11.6



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



#57

2,4-Dinitrotoluene

Concen: 4.562 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.38 min

Lab File: BG041543.D

Acq: 29 Jun 2019 12:59

Tgt Ion:165 Resp: 8071

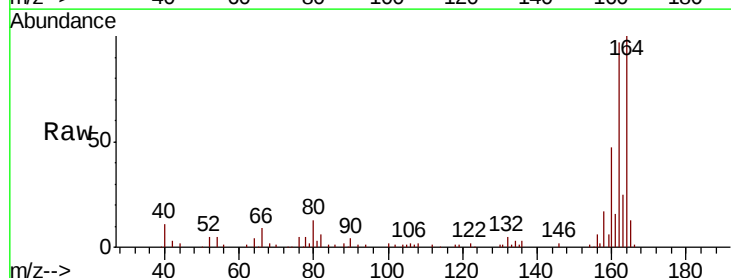
Ion Ratio Lower Upper

165 100

63 0.0 38.8 58.2#

89 2.8 60.1 90.1#

182 0.0 2.2 3.2#

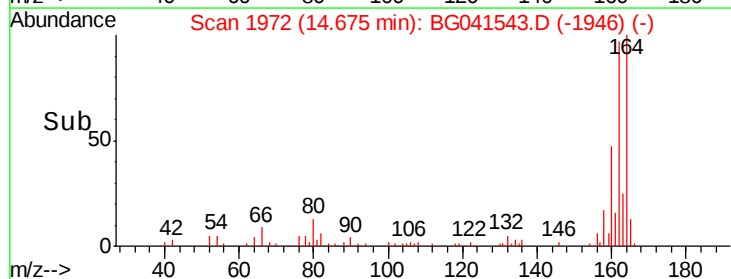
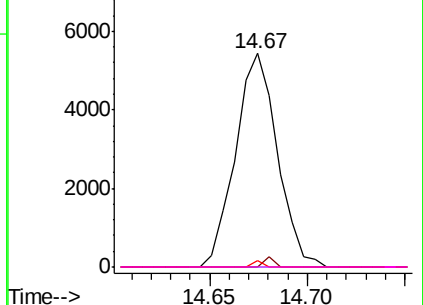


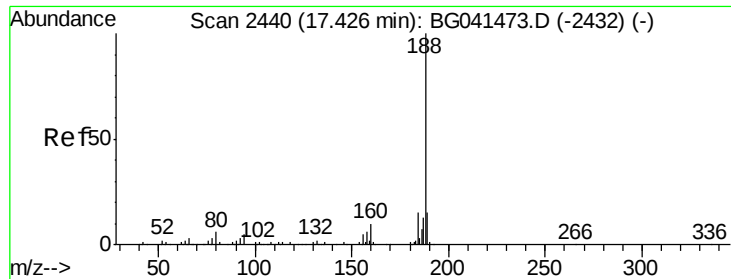
Abundance Ion 165.00 (164.70 to 165.70): E

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

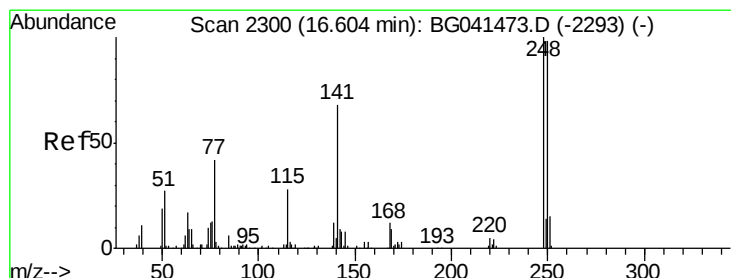
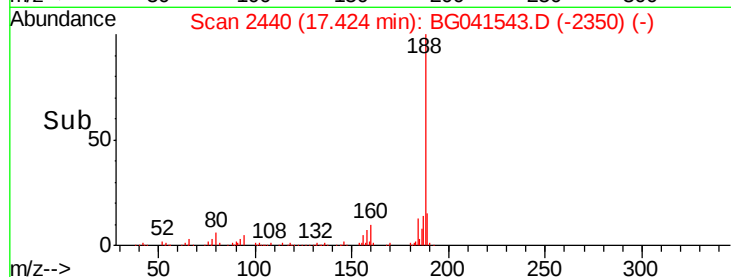
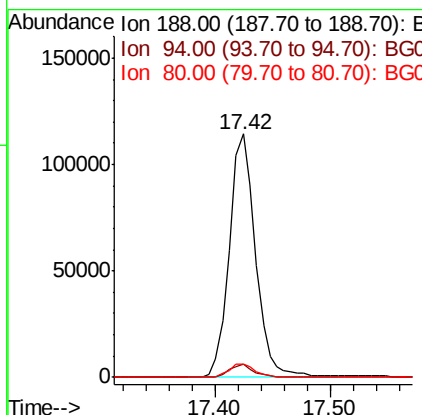
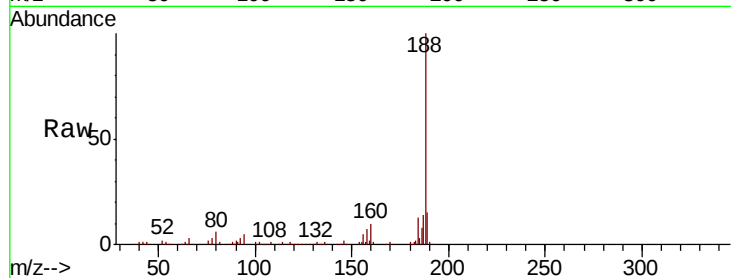




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.00 min
 Lab File: BG041543.D
 Acq: 29 Jun 2019 12:59

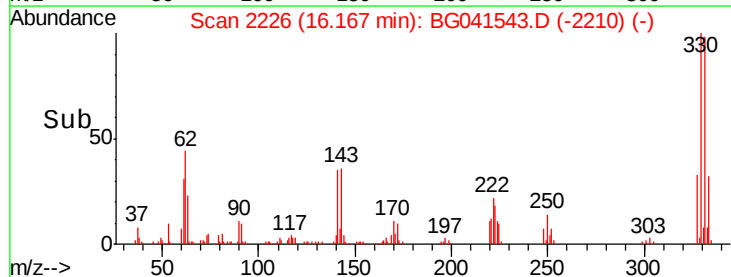
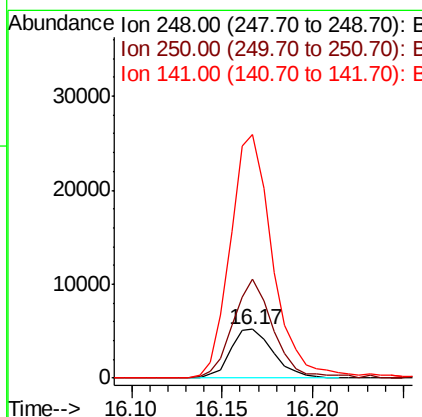
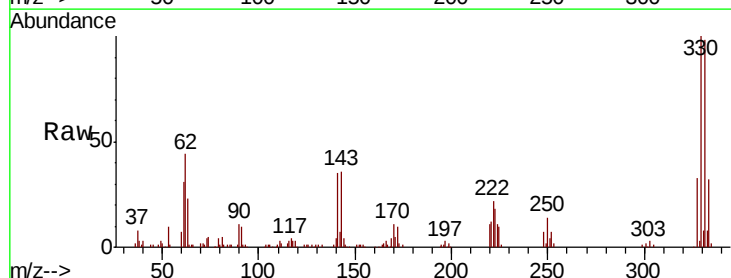
Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-9

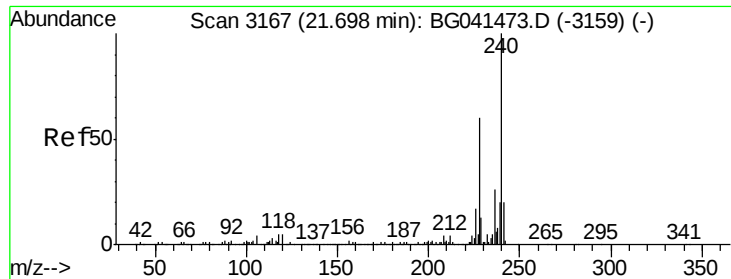
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	3.8	5.8
80	5.6	4.8	7.2



#67
 4-Bromophenyl-phenylether
 Concen: 3.448 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.44 min
 Lab File: BG041543.D
 Acq: 29 Jun 2019 12:59

Tgt Ion	Ratio	Lower	Upper
248	100		
250	204.2	78.1	117.1#
141	502.6	54.1	81.1#

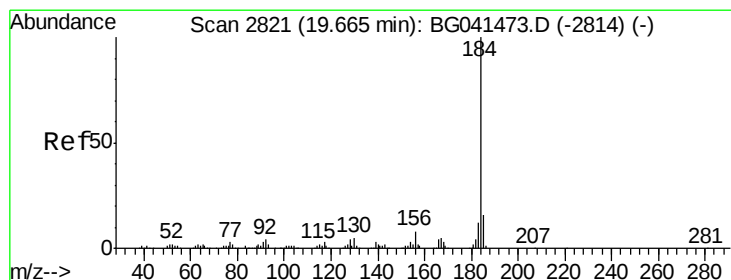
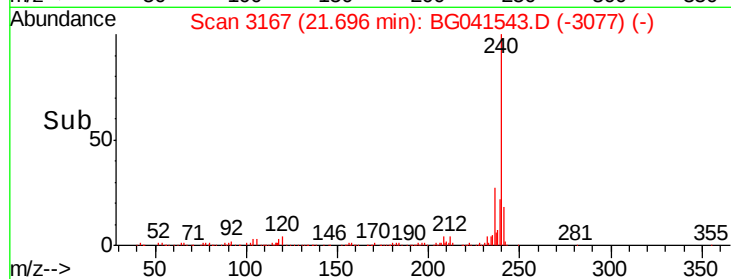
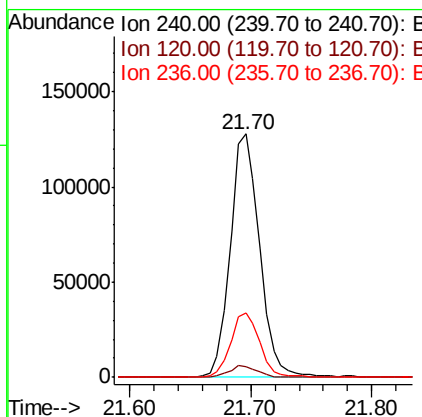
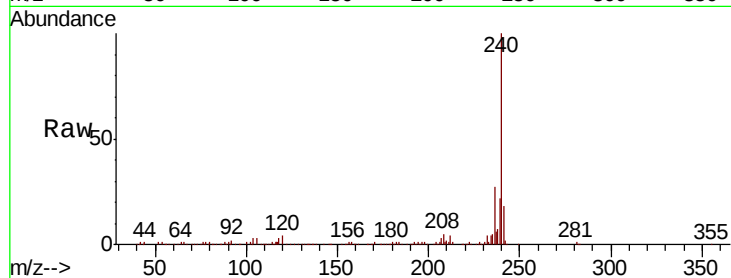




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG041543.D
Acq: 29 Jun 2019 12:59

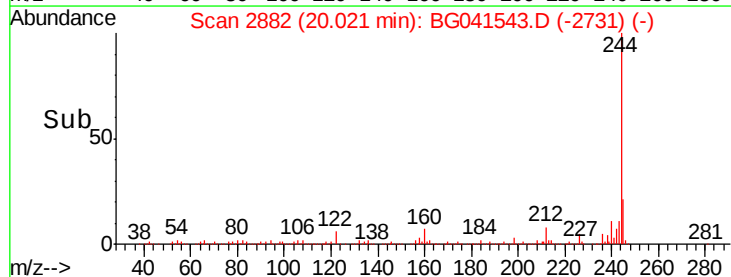
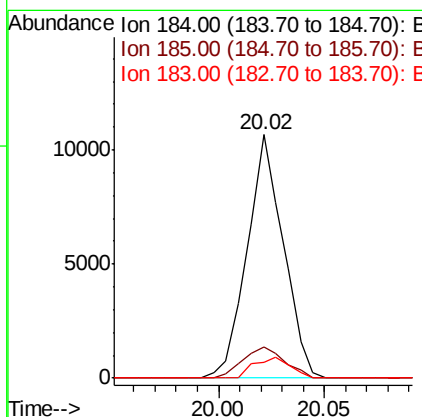
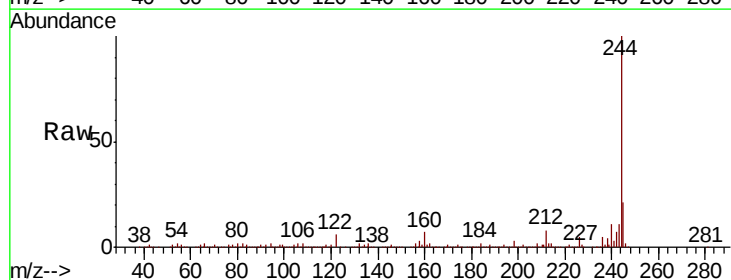
Instrument :
BNA_G
ClientSampleId :
SAMPLE-9

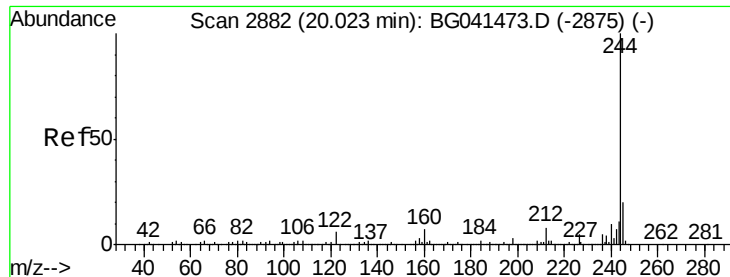
Tgt Ion:240 Resp: 216130
Ion Ratio Lower Upper
240 100
120 4.2 3.7 5.5
236 26.7 20.8 31.2



#77
Benzidine
Concen: 2.647 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.36 min
Lab File: BG041543.D
Acq: 29 Jun 2019 12:59

Tgt Ion:184 Resp: 12692
Ion Ratio Lower Upper
184 100
185 12.5 12.7 19.1#
183 6.2 9.4 14.2#





#79

Terphenyl-d14

Concen: 72.238 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG041543.D

Acq: 29 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

SAMPLE-9

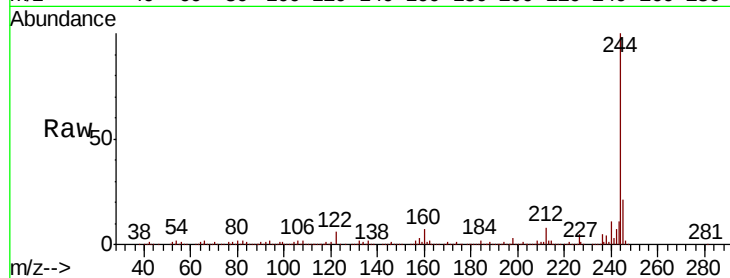
Tgt Ion:244 Resp: 734696

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.4

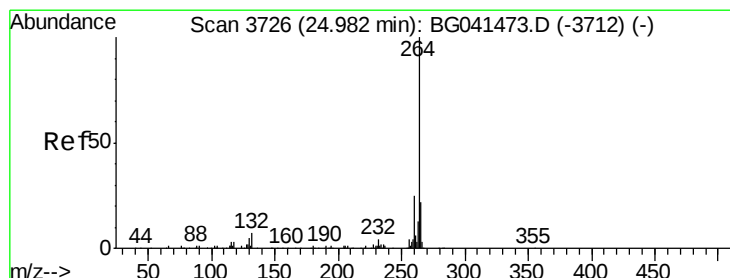
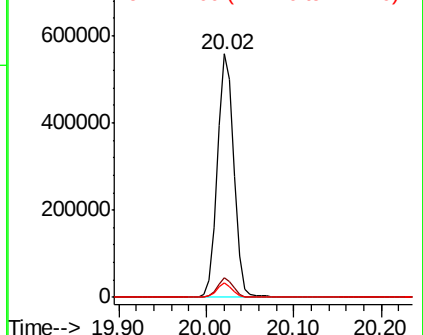
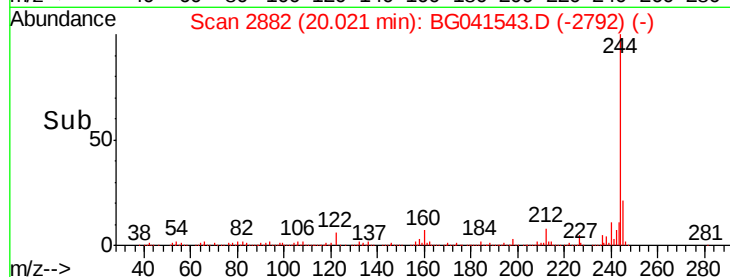
122 5.7 4.8 7.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.98 min Scan# 3726

Delta R.T. -0.00 min

Lab File: BG041543.D

Acq: 29 Jun 2019 12:59

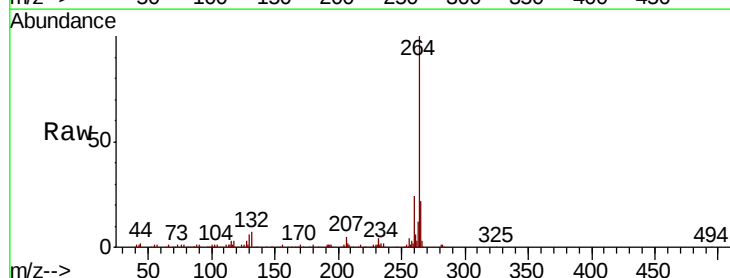
Tgt Ion:264 Resp: 230965

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

265 22.0 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

