

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110819\
 Data File : BG043572.D
 Acq On : 8 Nov 2019 16:45
 Operator : JU
 Sample : K5717-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VC-TP

Quant Time: Nov 11 00:32:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

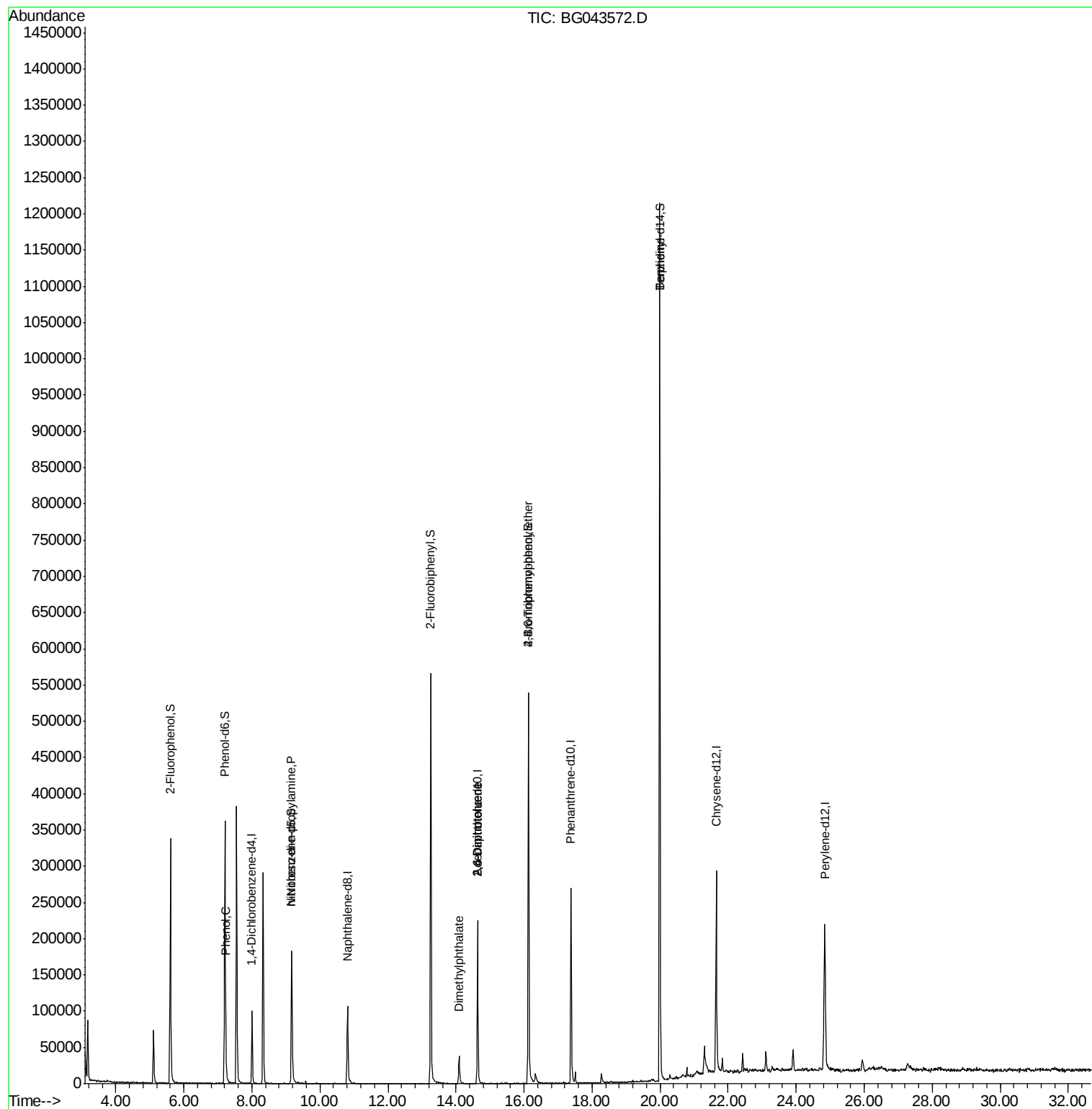
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	30724	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	110873	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	84721	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	201890	20.00	ng	0.00
76) Chrysene-d12	21.65	240	201821	20.00	ng	0.00
87) Perylene-d12	24.84	264	234778	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	165321	98.60	ng	0.01
7) Phenol-d6	7.20	99	229523	95.15	ng	0.00
23) Nitrobenzene-d5	9.17	82	137310	63.85	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	140943	87.42	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	352440	57.48	ng	-0.01
79) Terphenyl-d14	19.99	244	690877	64.22	ng	-0.01
Target Compounds						
10) Phenol	7.23	94	15074	6.838	ng	93
19) n-Nitroso-di-n-propylamine	9.17	70	19534	12.531	ng	# 78
50) Dimethylphthalate	14.09	163	36371	5.542	ng	99
51) 2,6-Dinitrotoluene	14.64	165	11479	8.052	ng	# 22
57) 2,4-Dinitrotoluene	14.64	165	11479	5.634	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	8332	3.067	ng	# 1
77) Benzidine	19.99	184	10116	2.491	ng	# 94

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

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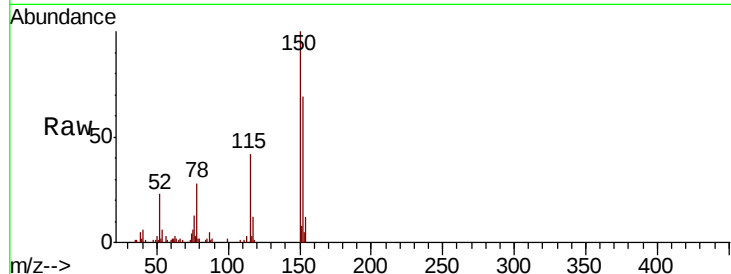


#1

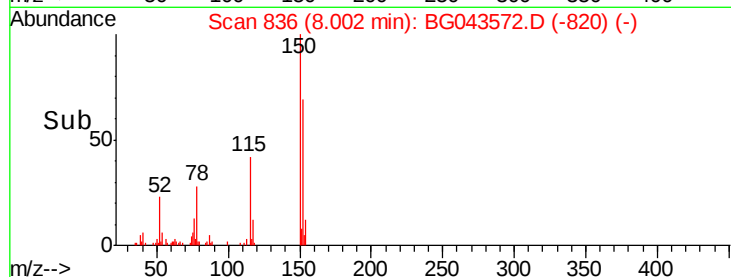
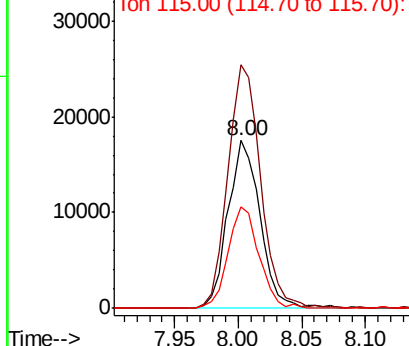
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG043572.D
Acq: 8 Nov 2019 16:45

Instrument :
BNA_G
ClientSampleId :
VC-TP

Tot Ion:152 Resp: 30724
Ion Ratio Lower Upper
152 100
150 145.0 129.4 194.0
115 60.2 48.8 73.2



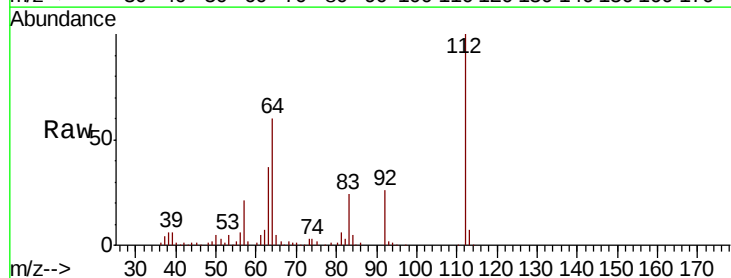
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



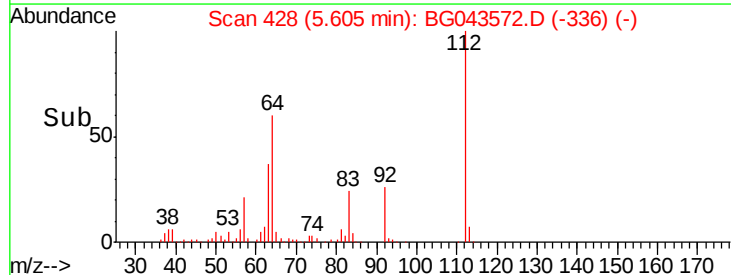
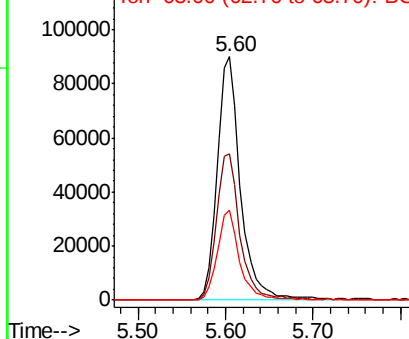
#5

2-Fluorophenol
Concen: 98.601 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG043572.D
Acq: 8 Nov 2019 16:45

Tgt Ion:112 Resp: 165321
Ion Ratio Lower Upper
112 100
64 59.9 50.0 75.0
63 36.7 26.6 40.0



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: 95.146 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG043572.D

Acq: 8 Nov 2019 16:45

Instrument :

BNA_G

ClientSampleId :

VC-TP

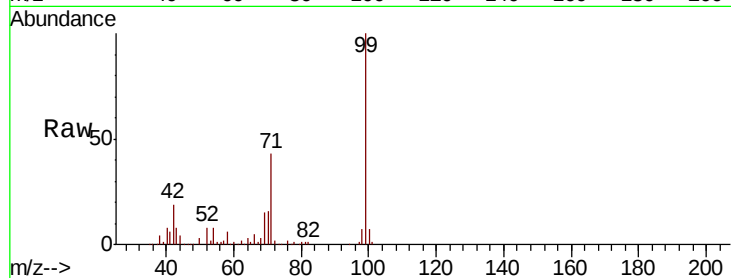
Tot Ion: 99 Resp: 229523

Ion Ratio Lower Upper

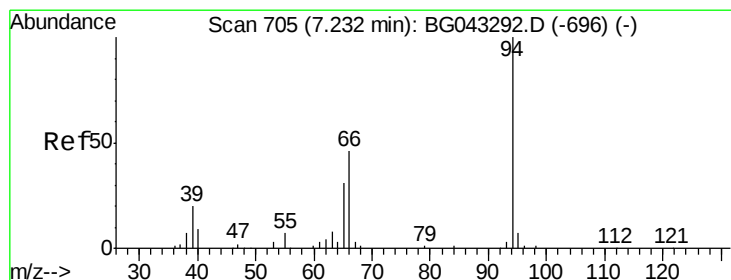
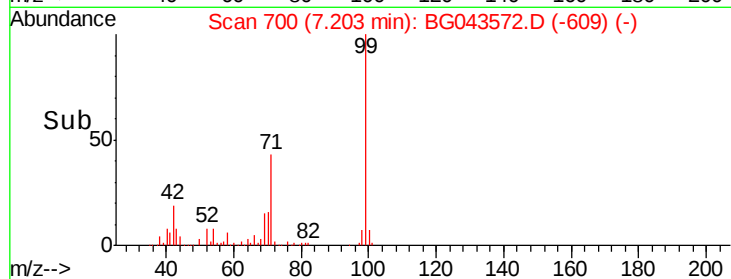
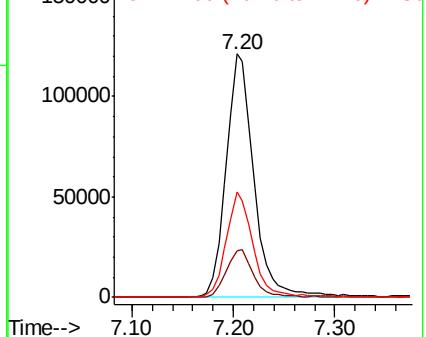
99 100

42 18.9 14.6 21.8

71 43.0 32.5 48.7



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



#10

Phenol

Concen: 6.838 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.01 min

Lab File: BG043572.D

Acq: 8 Nov 2019 16:45

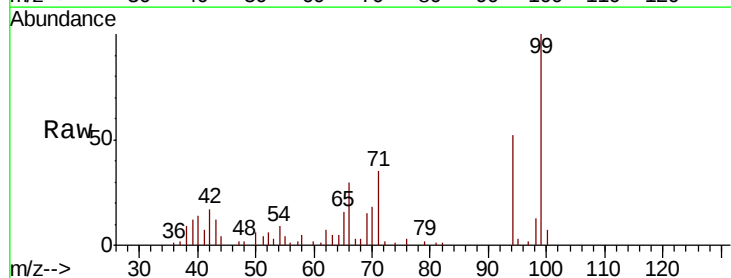
Tgt Ion: 94 Resp: 15074

Ion Ratio Lower Upper

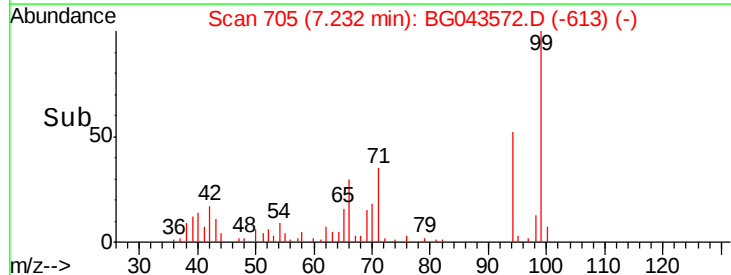
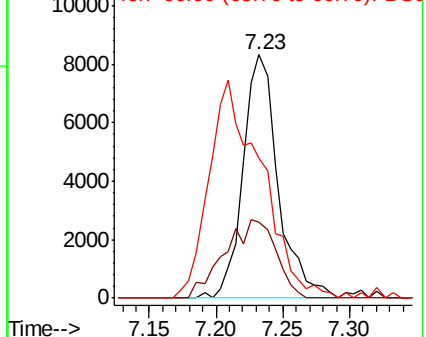
94 100

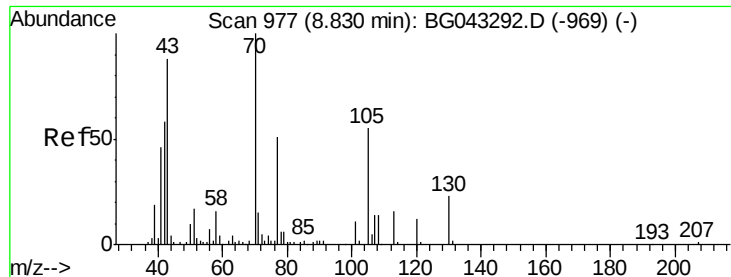
65 31.1 12.6 52.6

66 57.7 30.7 70.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

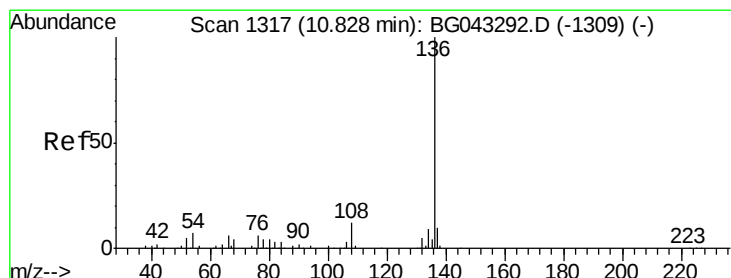
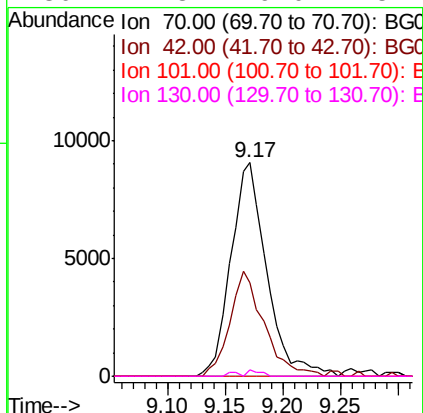
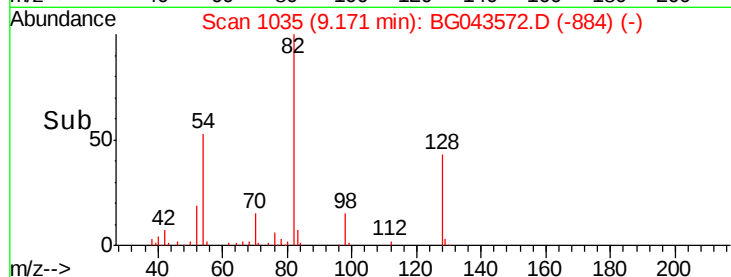
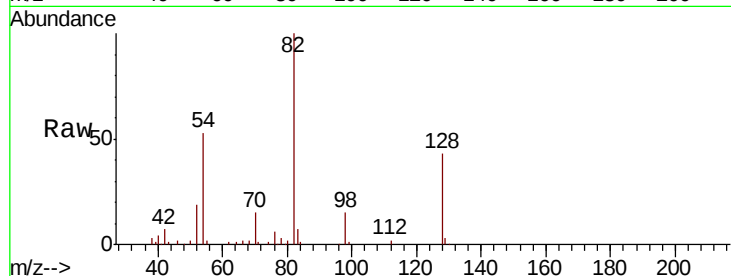




#19
n-Nitroso-di-n-propylamine
Concen: 12.531 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.36 min
Lab File: BG043572.D
Acq: 8 Nov 2019 16:45

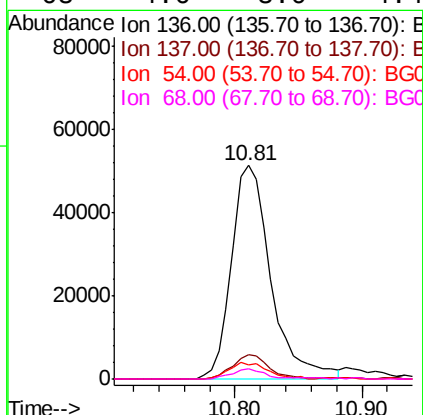
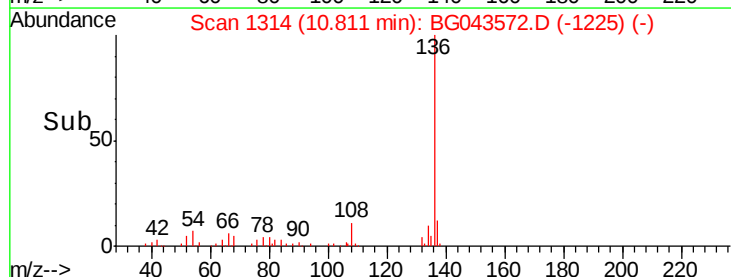
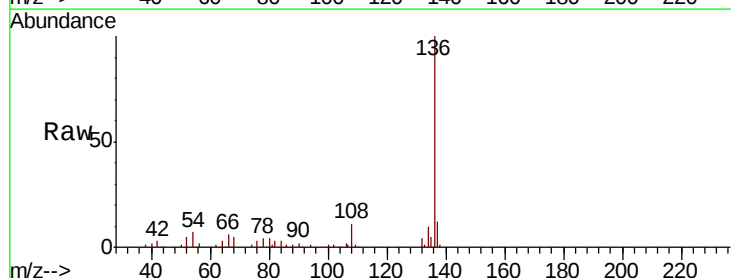
Instrument :
BNA_G
ClientSampled :
VC-TP

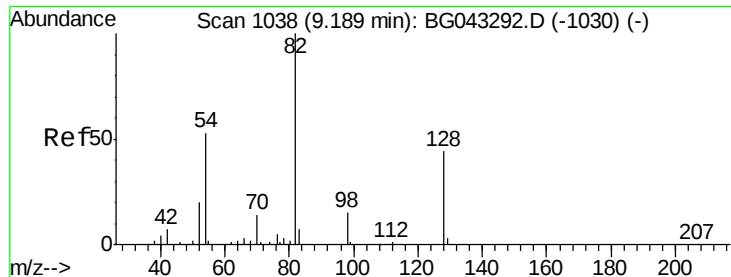
Tot Ion: 70 Resp: 19534
Ion Ratio Lower Upper
70 100
42 43.8 41.4 62.2
101 0.0 7.9 11.9#
130 2.8 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BG043572.D
Acq: 8 Nov 2019 16:45

Tgt Ion: 136 Resp: 110873
Ion Ratio Lower Upper
136 100
137 11.7 8.7 13.1
54 6.8 5.4 8.2
68 4.6 3.0 4.4#

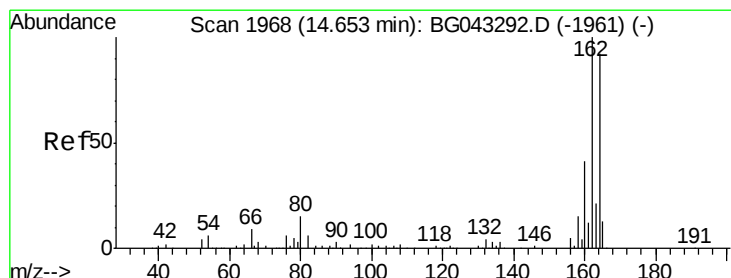
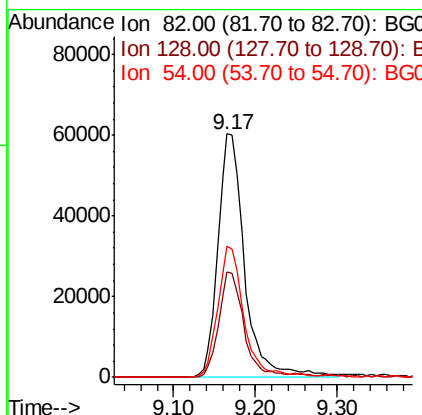
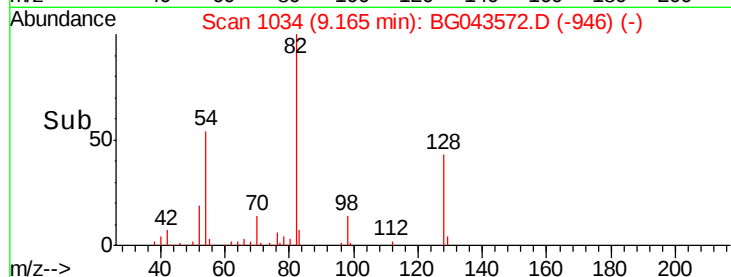
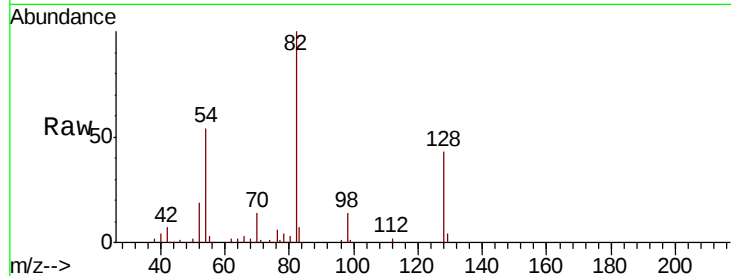




#23
Nitrobenzene-d5
Concen: 63.847 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG043572.D
Acq: 8 Nov 2019 16:45

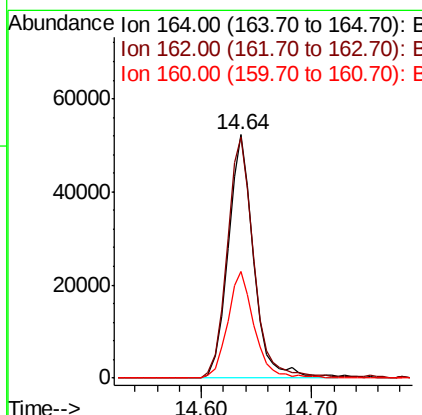
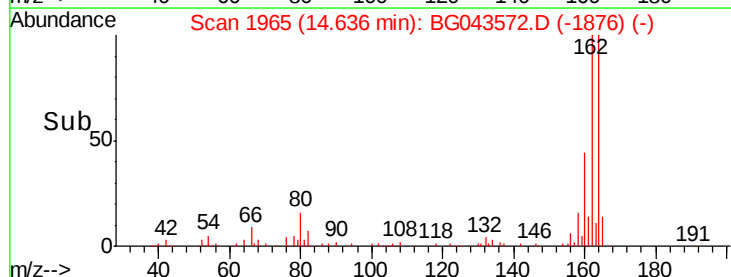
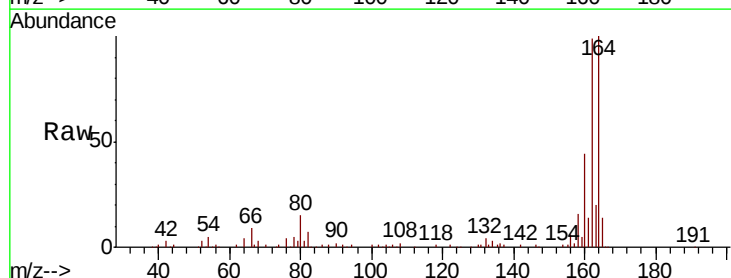
Instrument :
BNA_G
ClientSampleId :
VC-TP

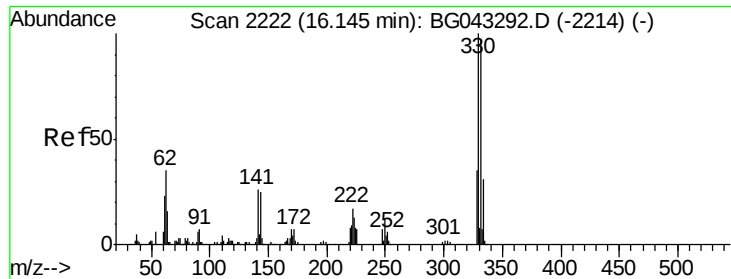
Tot Ion: 82 Resp: 137310
Ion Ratio Lower Upper
82 100
128 43.1 35.0 52.6
54 53.6 40.2 60.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BG043572.D
Acq: 8 Nov 2019 16:45

Tgt Ion: 164 Resp: 84721
Ion Ratio Lower Upper
164 100
162 99.2 83.5 125.3
160 43.6 36.5 54.7

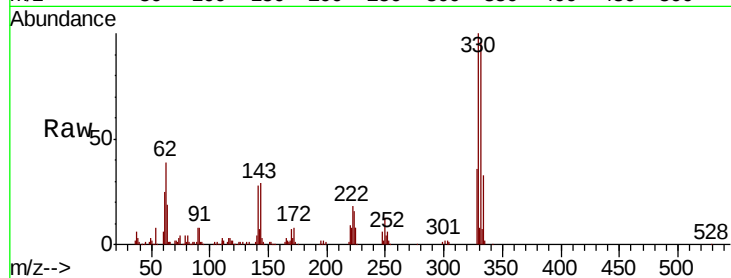




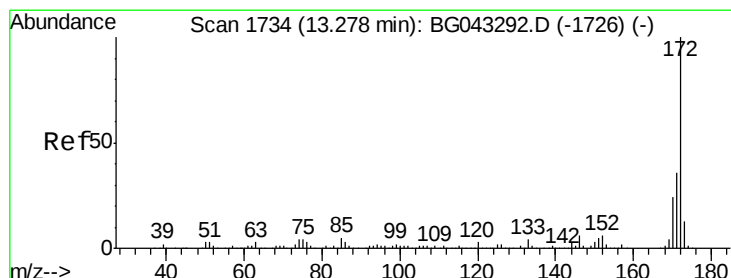
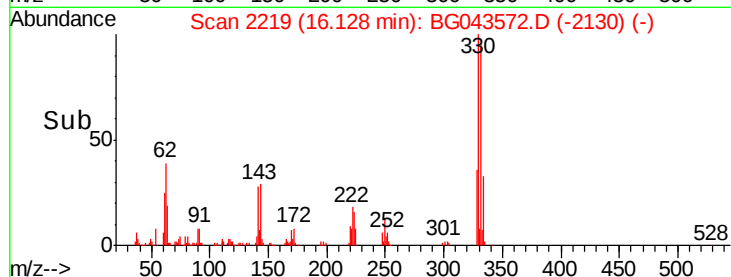
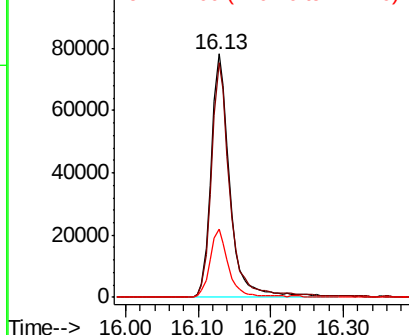
#42
 2,4,6-Tribromophenol
 Concen: 87.420 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG043572.D
 Acq: 8 Nov 2019 16:45

Instrument :
 BNA_G
 ClientSampled :
 VC-TP

Tot Ion:330 Resp: 140943
 Ion Ratio Lower Upper
 330 100
 332 92.8 77.4 116.0
 141 27.7 22.8 34.2

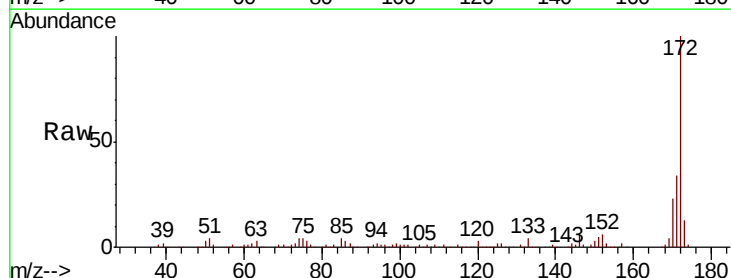


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

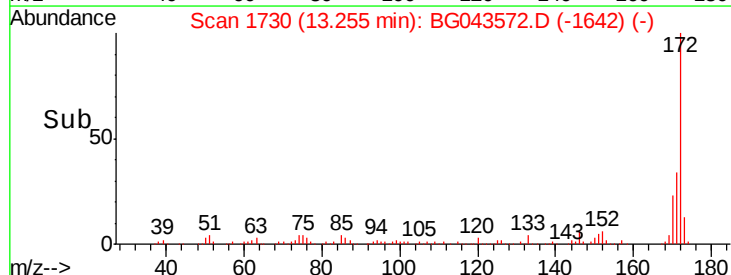
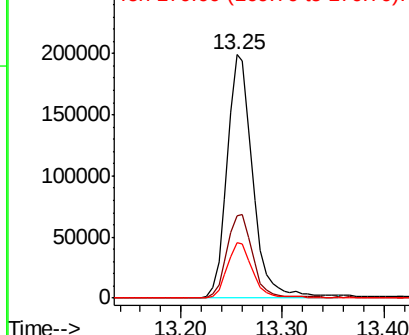


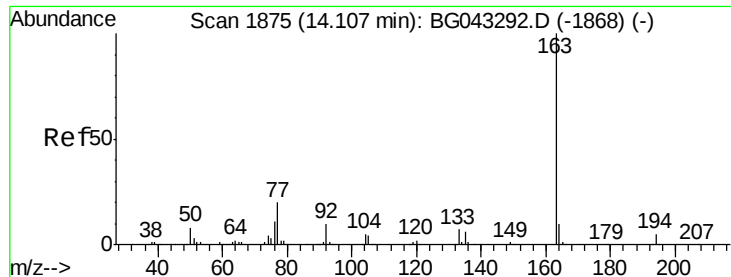
#45
 2-Fluorobiphenyl
 Concen: 57.483 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043572.D
 Acq: 8 Nov 2019 16:45

Tgt Ion:172 Resp: 352440
 Ion Ratio Lower Upper
 172 100
 171 33.8 28.9 43.3
 170 22.8 18.5 27.7



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

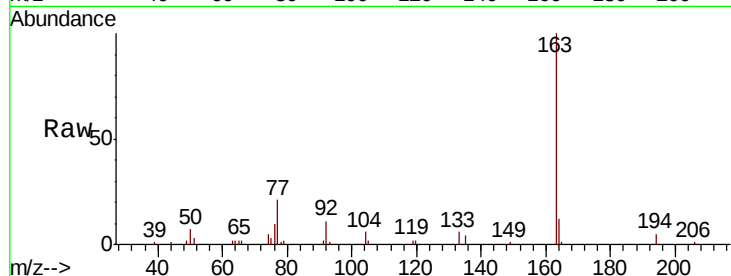




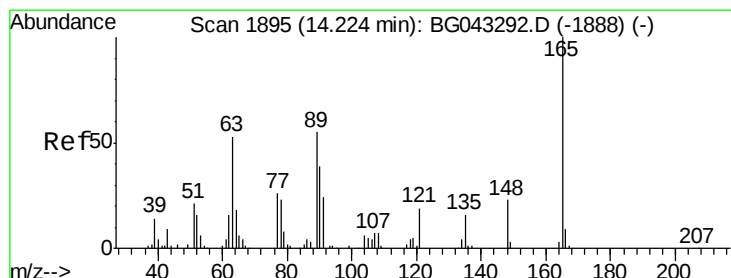
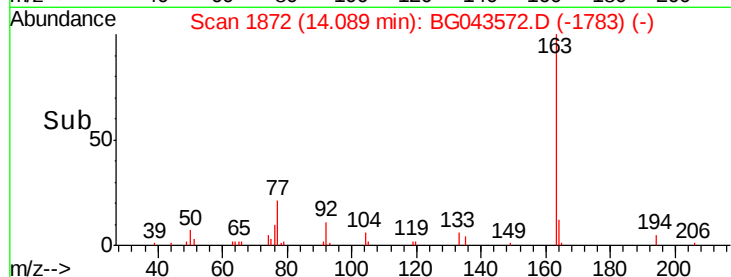
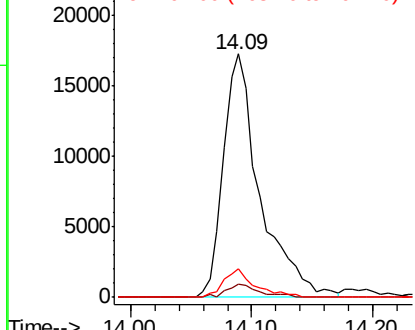
#50
Dimethylphthalate
Concen: 5.542 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BG043572.D
Acq: 8 Nov 2019 16:45

Instrument :
BNA_G
ClientSampleId :
VC-TP

Tot Ion:163 Resp: 36371
Ion Ratio Lower Upper
163 100
194 5.4 3.8 5.6
164 11.5 8.9 13.3

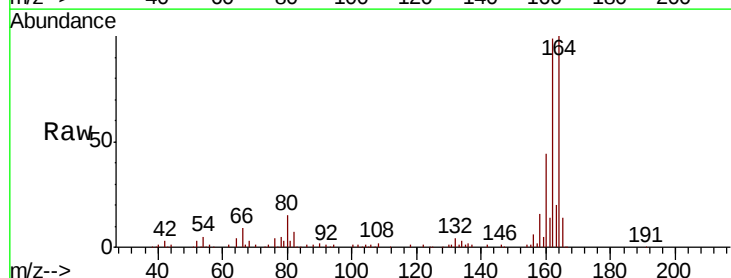


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

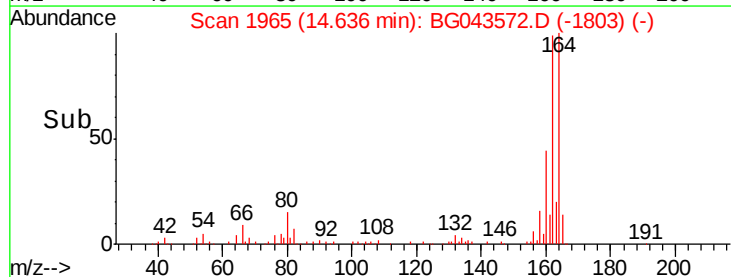
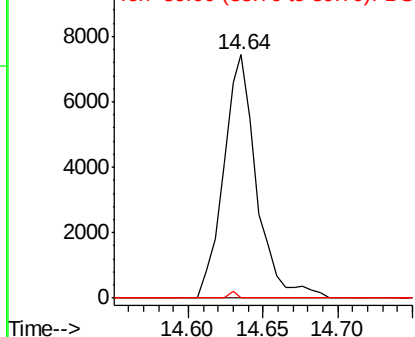


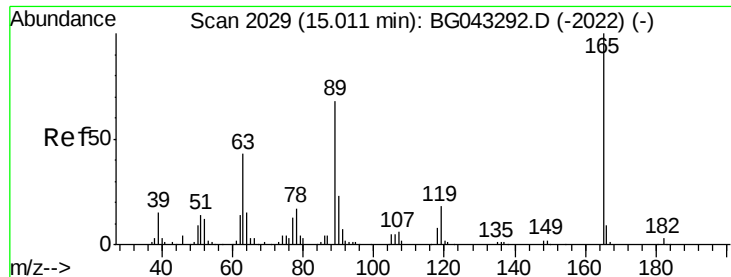
#51
2,6-Dinitrotoluene
Concen: 8.052 ng
RT: 14.64 min Scan# 1965
Delta R.T. 0.42 min
Lab File: BG043572.D
Acq: 8 Nov 2019 16:45

Tgt Ion:165 Resp: 11479
Ion Ratio Lower Upper
165 100
63 0.0 46.6 69.8#
89 0.0 45.1 67.7#



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

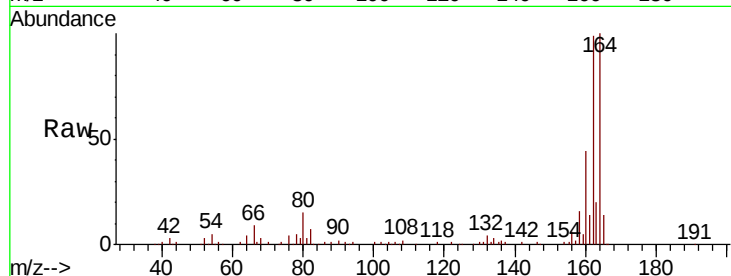




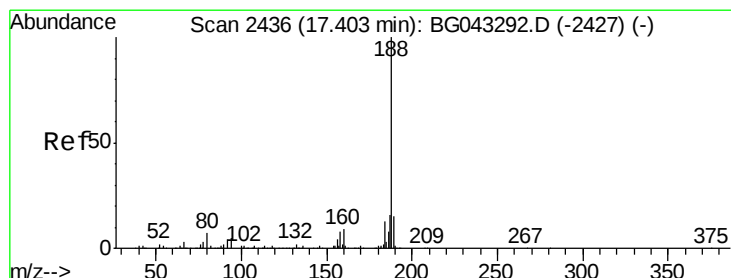
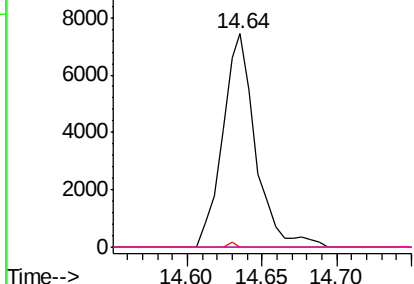
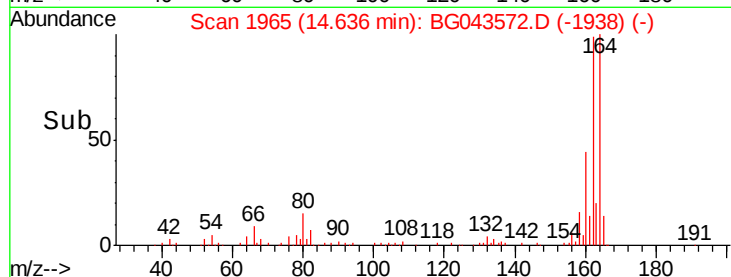
#57
 2,4-Dinitrotoluene
 Concen: 5.634 ng
 RT: 14.64 min Scan# 1965
 Delta R.T. -0.37 min
 Lab File: BG043572.D
 Acq: 8 Nov 2019 16:45

Instrument :
 BNA_G
 ClientSampleId :
 VC-TP

Tot Ion:165 Resp: 11479
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.2 49.8#
 89 0.0 52.2 78.4#
 182 0.0 2.0 3.0#

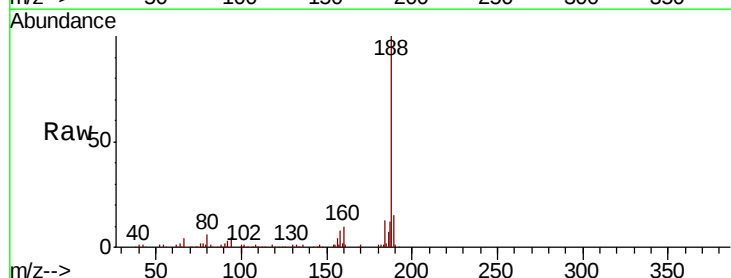


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

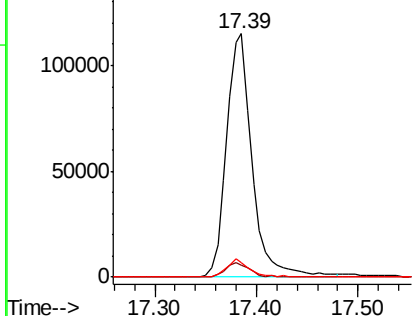
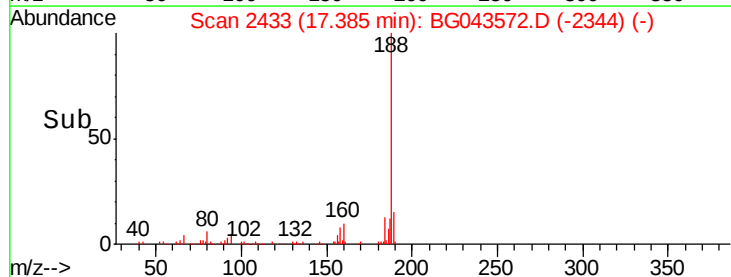


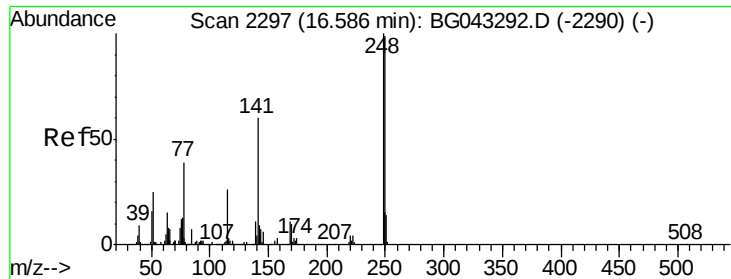
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2433
 Delta R.T. -0.01 min
 Lab File: BG043572.D
 Acq: 8 Nov 2019 16:45

Tgt Ion:188 Resp: 201890
 Ion Ratio Lower Upper
 188 100
 94 4.7 4.2 6.4
 80 6.1 4.5 6.7



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

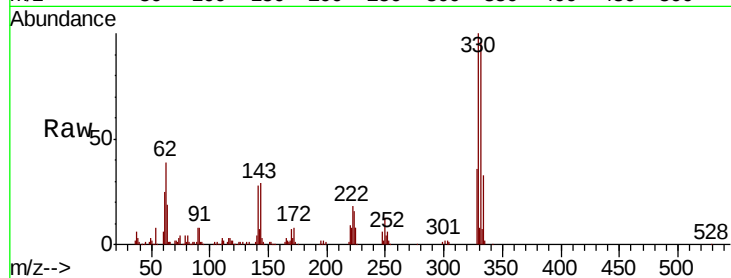




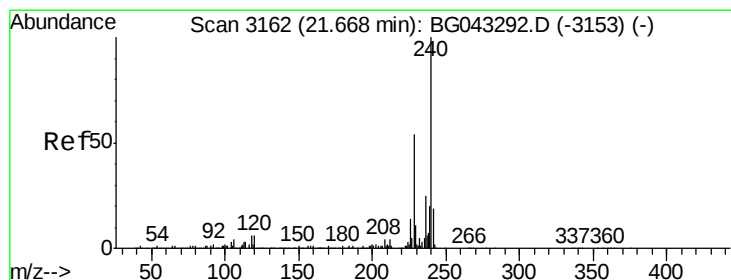
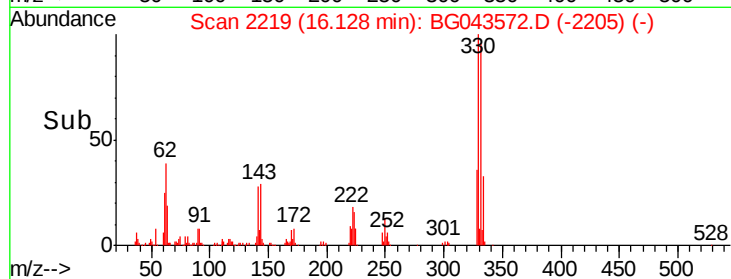
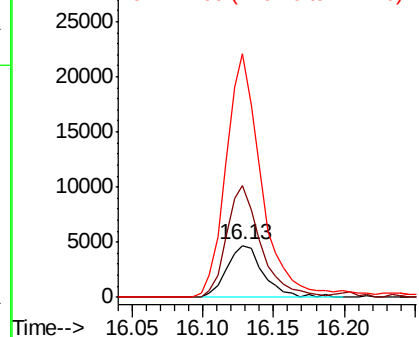
#67
 4-Bromophenyl-phenylether
 Concen: 3.067 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.45 min
 Lab File: BG043572.D
 Acq: 8 Nov 2019 16:45

Instrument :
 BNA_G
 ClientSampleId :
 VC-TP

Tot Ion:248 Resp: 8332
 Ion Ratio Lower Upper
 248 100
 250 217.5 77.0 115.4#
 141 471.3 47.5 71.3#

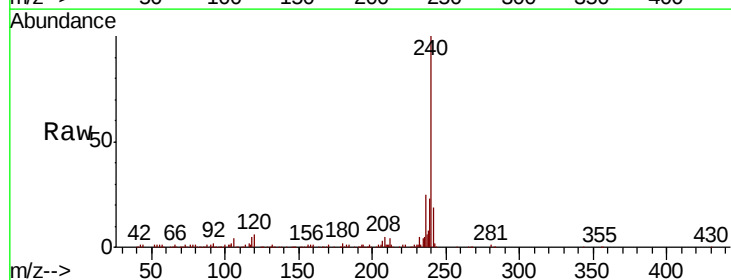


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

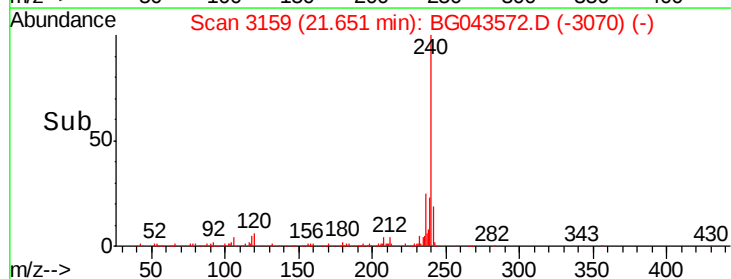
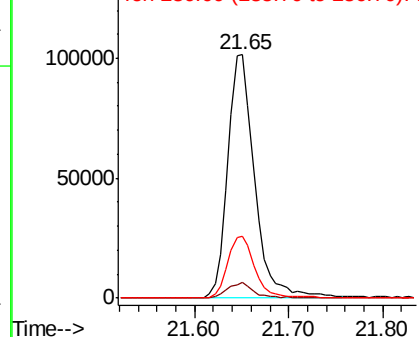


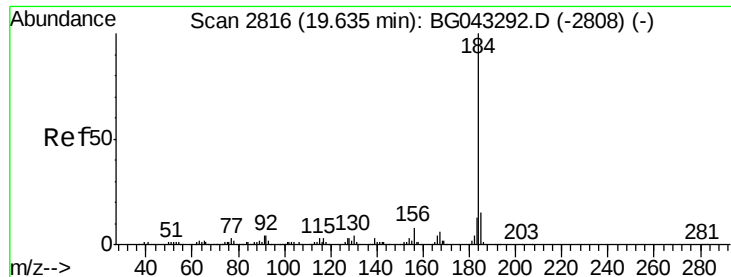
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG043572.D
 Acq: 8 Nov 2019 16:45

Tgt Ion:240 Resp: 201821
 Ion Ratio Lower Upper
 240 100
 120 6.4 4.6 6.8
 236 25.2 19.8 29.8



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: 2.491 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.36 min

Lab File: BG043572.D

Acq: 8 Nov 2019 16:45

Instrument :

BNA_G

ClientSampleId :

VC-TP

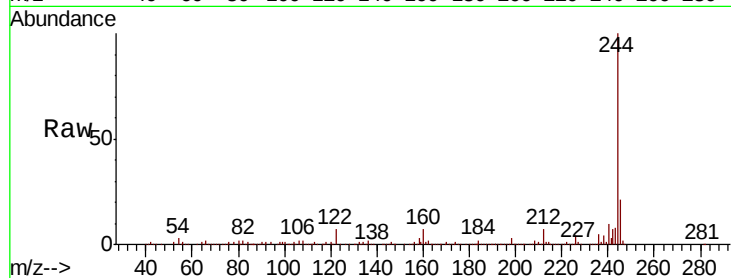
Tot Ion:184 Resp: 10116

Ion Ratio Lower Upper

184 100

185 16.9 11.0 16.4#

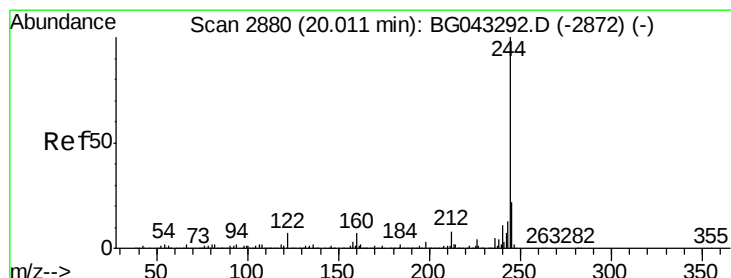
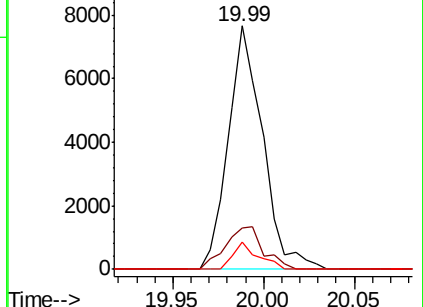
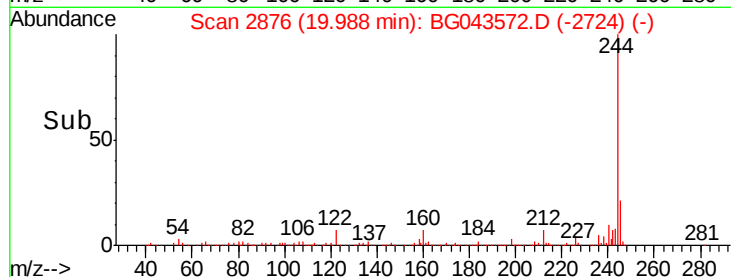
183 11.2 10.0 15.0



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: 64.221 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043572.D

Acq: 8 Nov 2019 16:45

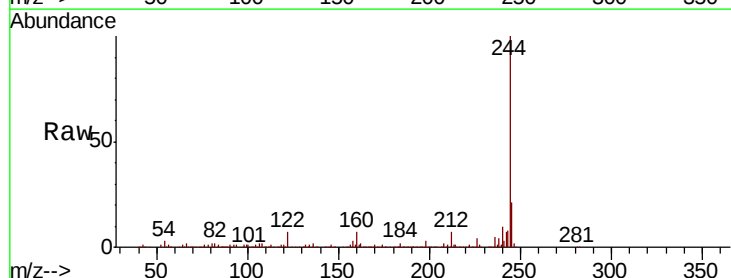
Tgt Ion:244 Resp: 690877

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

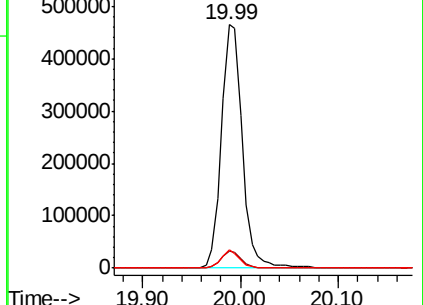
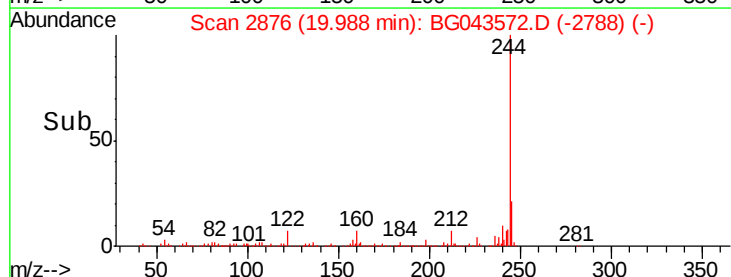
122 7.4 5.4 8.2

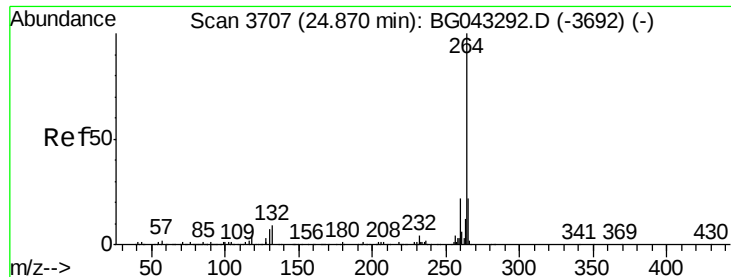


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.84 min Scan# 3701
Delta R.T. -0.02 min
Lab File: BG043572.D
Acq: 8 Nov 2019 16:45

Instrument :
BNA_G
ClientSampleId :
VC-TP

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.5	26.3
265	21.2	17.4	26.0

