

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110619\
 Data File : BG043531.D
 Acq On : 6 Nov 2019 22:05
 Operator : JU
 Sample : K5701-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 07 01:08:32 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

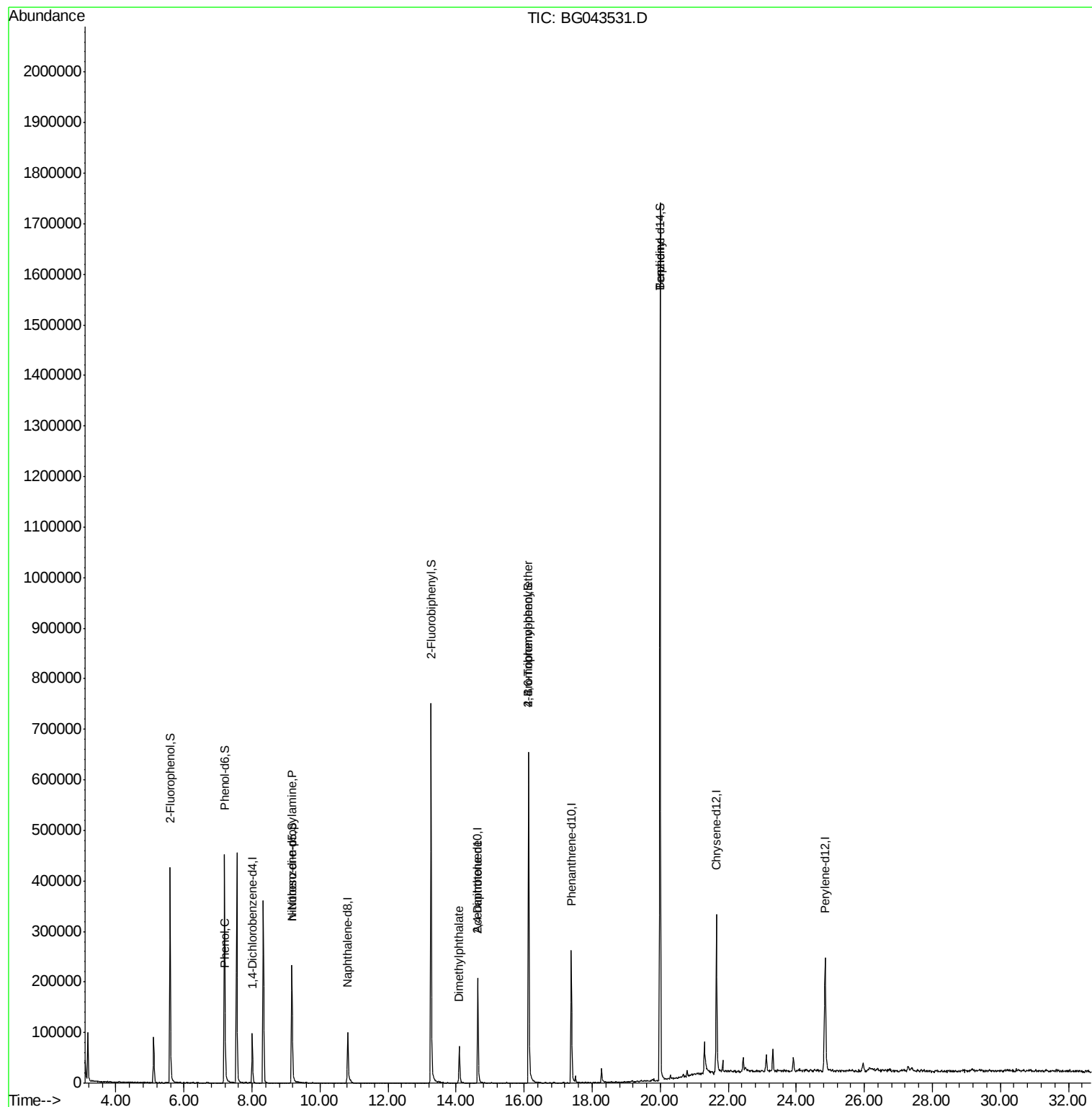
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	30700	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	112408	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	84072	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	210047	20.00	ng	0.00
76) Chrysene-d12	21.65	240	217174	20.00	ng	0.00
87) Perylene-d12	24.85	264	253169	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	204273	121.93	ng	0.00
7) Phenol-d6	7.19	99	288653	119.75	ng	0.00
23) Nitrobenzene-d5	9.17	82	173474	79.56	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	179371	112.11	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	465427	76.50	ng	0.00
79) Terphenyl-d14	20.00	244	926527	80.04	ng	0.00
Target Compounds						
10) Phenol	7.22	94	8152	3.701	ng	# 69
19) n-Nitroso-di-n-propylamine	9.17	70	24091	15.467	ng	# 79
50) Dimethylphthalate	14.09	163	65763	10.099	ng	# 98
57) 2,4-Dinitrotoluene	14.64	165	11539	5.707	ng	# 27
67) 4-Bromophenyl-phenylether	16.13	248	11844	4.190	ng	# 1
77) Benzidine	20.00	184	13433	3.073	ng	# 94

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

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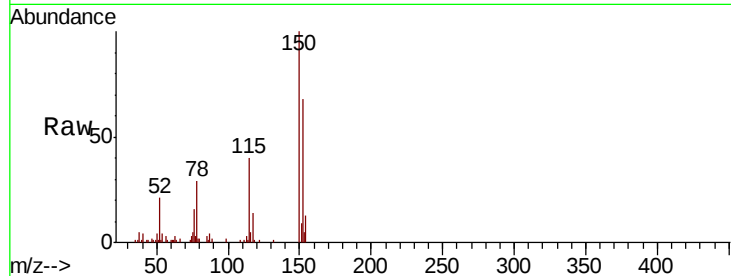


#1

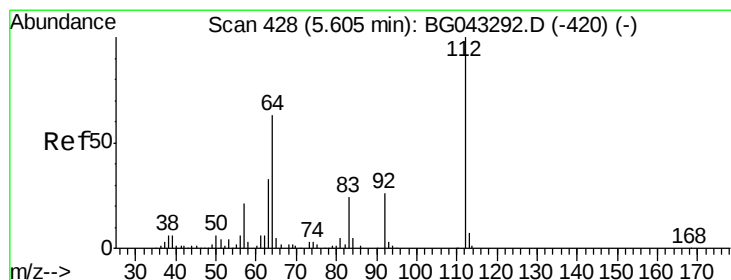
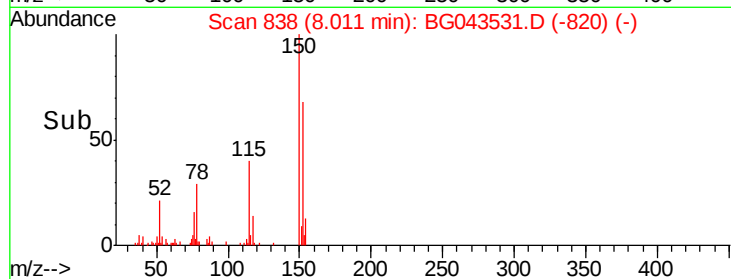
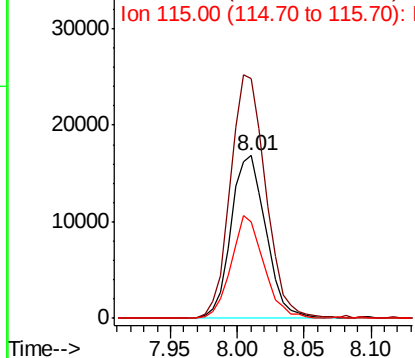
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043531.D
Acq: 6 Nov 2019 22:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30700
Ion Ratio Lower Upper
152 100
150 147.4 129.4 194.0
115 59.1 48.8 73.2



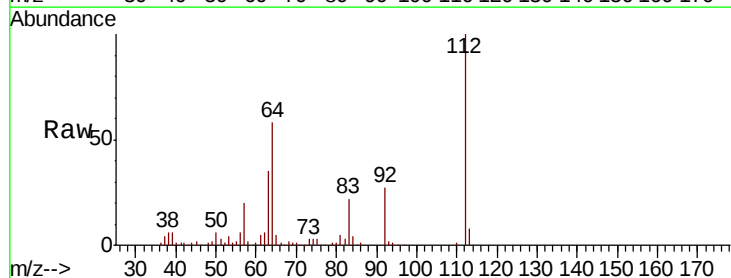
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



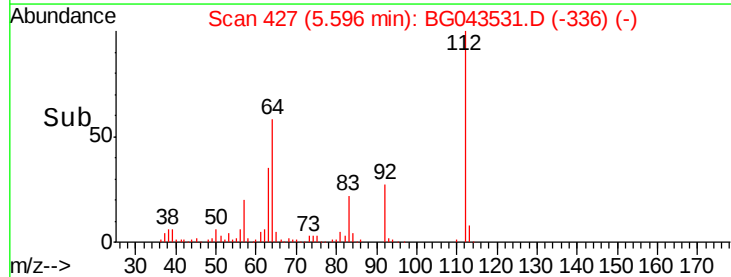
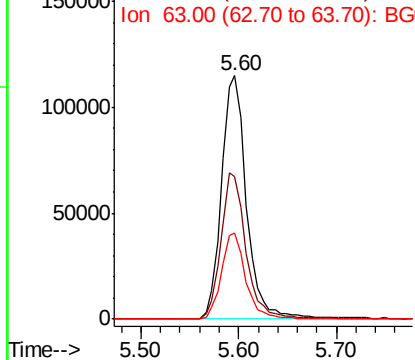
#5

2-Fluorophenol
Concen: 121.928 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043531.D
Acq: 6 Nov 2019 22:05

Tgt Ion:112 Resp: 204273
Ion Ratio Lower Upper
112 100
64 58.3 50.0 75.0
63 35.4 26.6 40.0



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: 119.751 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043531.D

Acq: 6 Nov 2019 22:05

Instrument :

BNA_G

ClientSampleId :

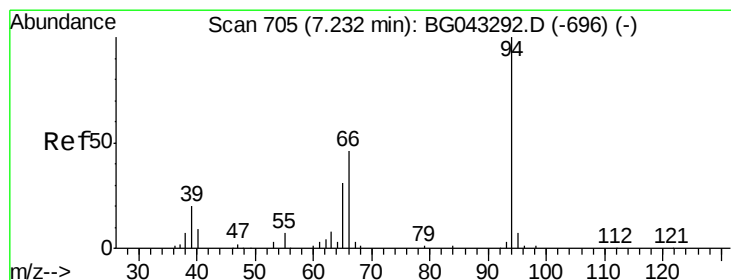
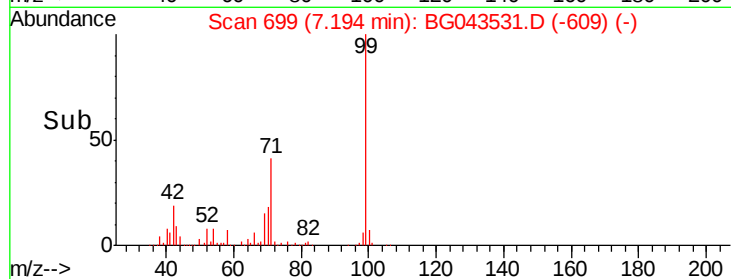
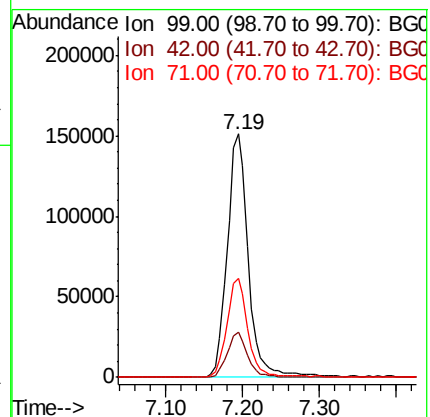
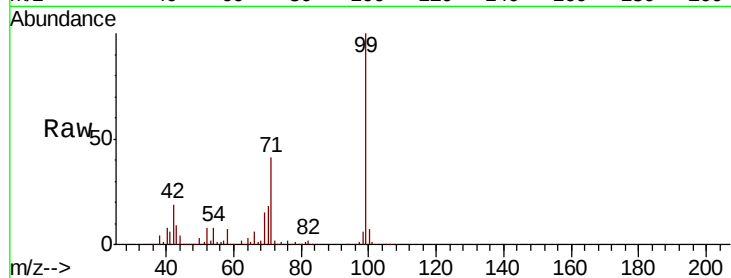
Tot Ion: 99 Resp: 288653

Ion Ratio Lower Upper

99 100

42 18.8 14.6 21.8

71 40.6 32.5 48.7



#10

Phenol

Concen: 3.701 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG043531.D

Acq: 6 Nov 2019 22:05

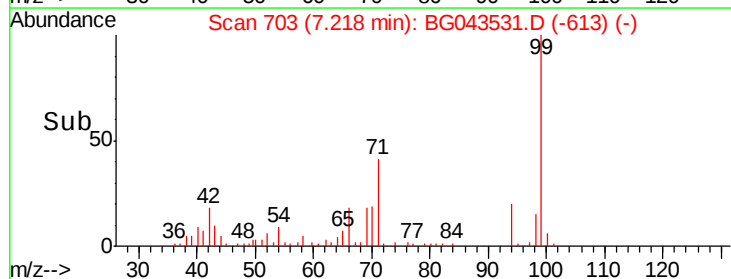
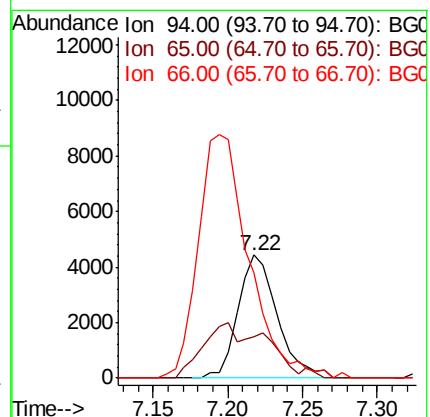
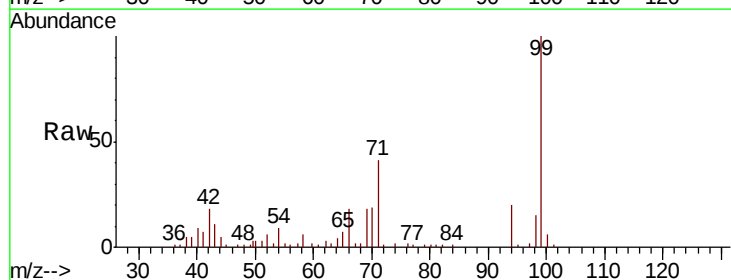
Tgt Ion: 94 Resp: 8152

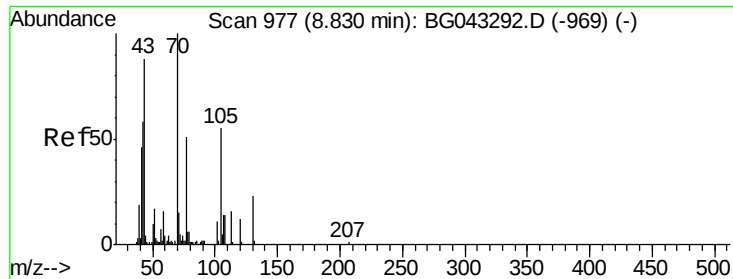
Ion Ratio Lower Upper

94 100

65 34.0 12.6 52.6

66 85.5 30.7 70.7#

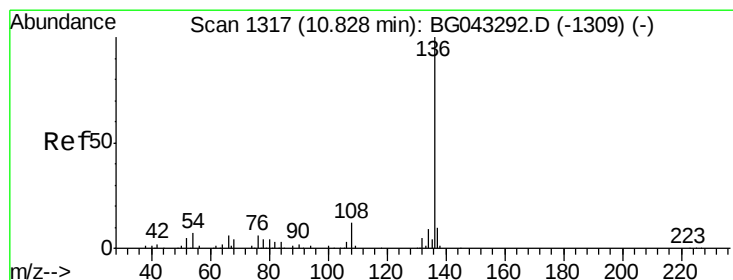
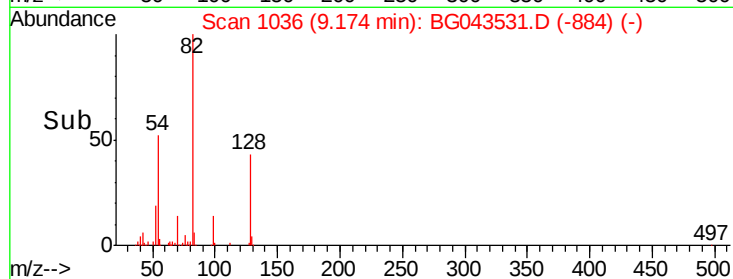
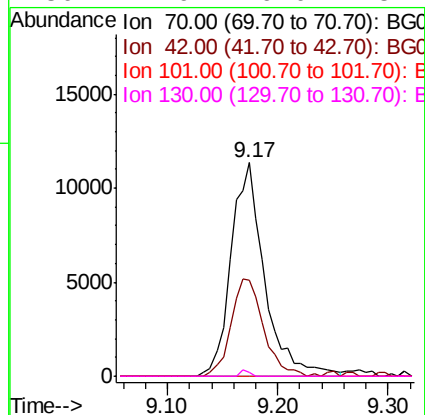
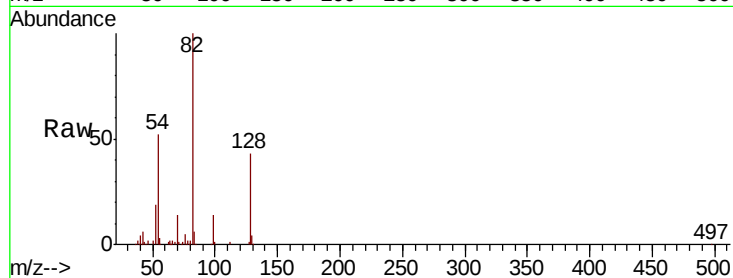




#19
n-Nitroso-di-n-propylamine
Concen: 15.467 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.36 min
Lab File: BG043531.D
Acq: 6 Nov 2019 22:05

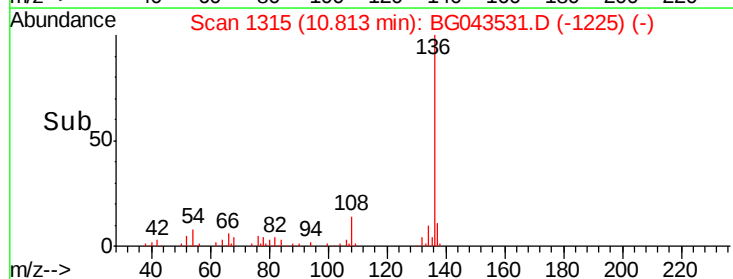
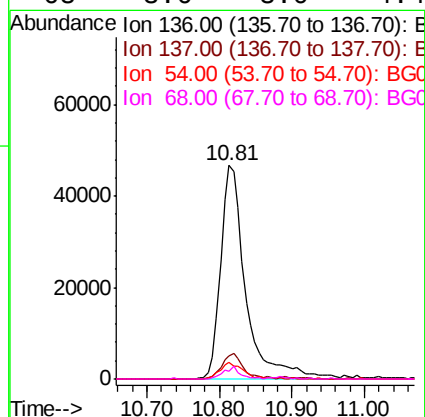
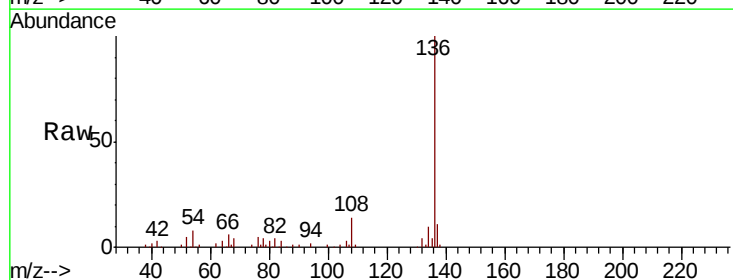
Instrument :
BNA_G
ClientSampleId :

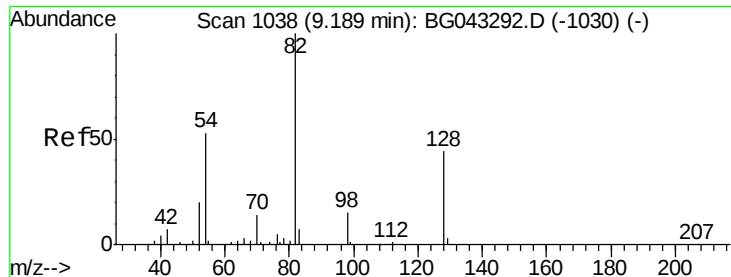
Tot Ion: 70 Resp: 24091
Ion Ratio Lower Upper
70 100
42 45.0 41.4 62.2
101 0.0 7.9 11.9#
130 1.9 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG043531.D
Acq: 6 Nov 2019 22:05

Tgt Ion:136 Resp: 112408
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.9 5.4 8.2
68 3.6 3.0 4.4

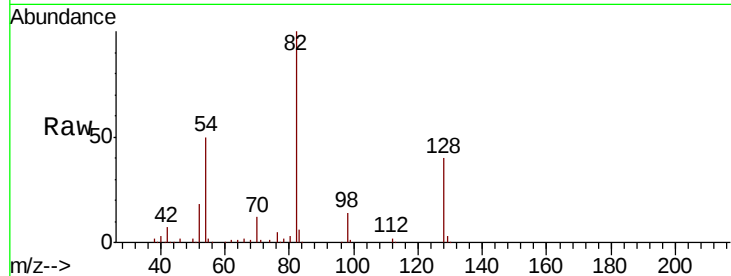




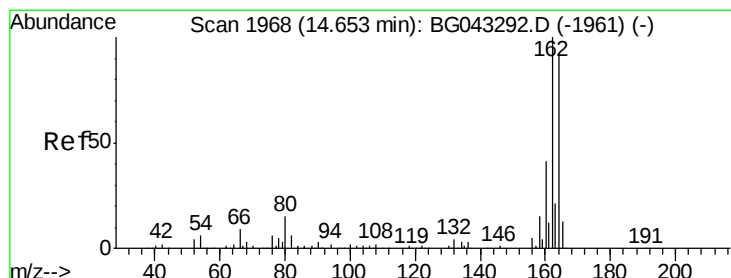
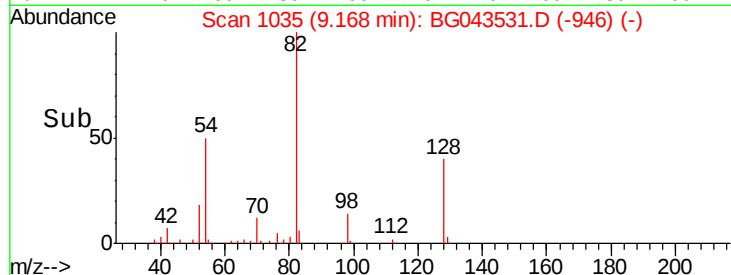
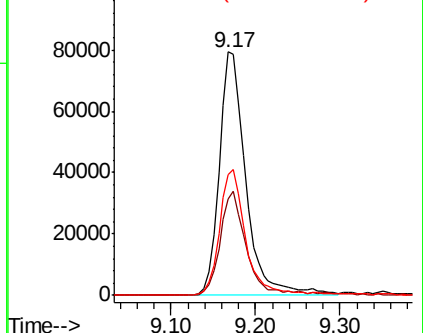
#23
Nitrobenzene-d5
Concen: 79.562 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG043531.D
Acq: 6 Nov 2019 22:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 173474
Ion Ratio Lower Upper
82 100
128 39.5 35.0 52.6
54 49.6 40.2 60.2

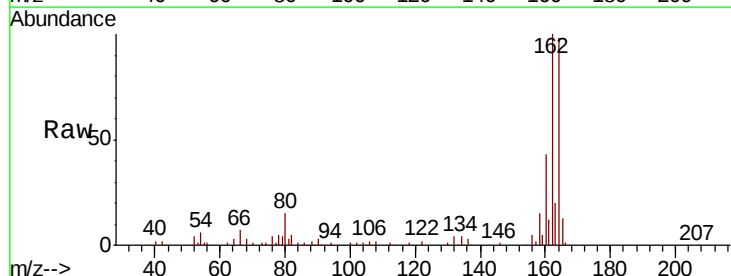


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

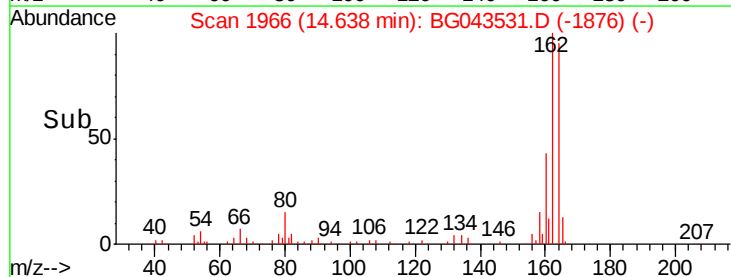
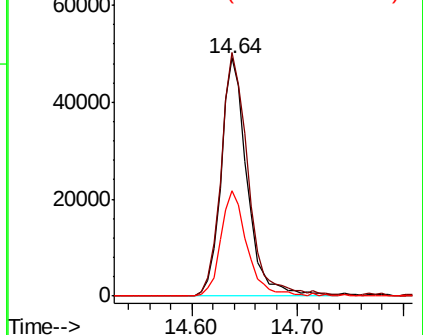


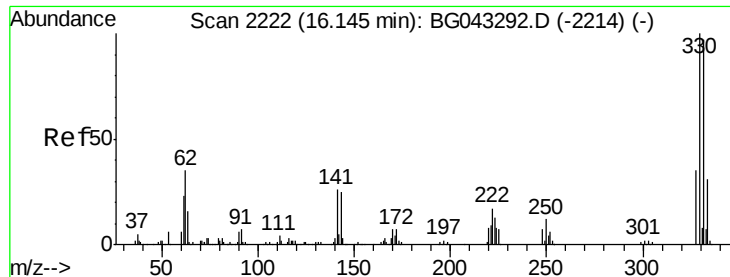
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG043531.D
Acq: 6 Nov 2019 22:05

Tgt Ion:164 Resp: 84072
Ion Ratio Lower Upper
164 100
162 102.2 83.5 125.3
160 44.3 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

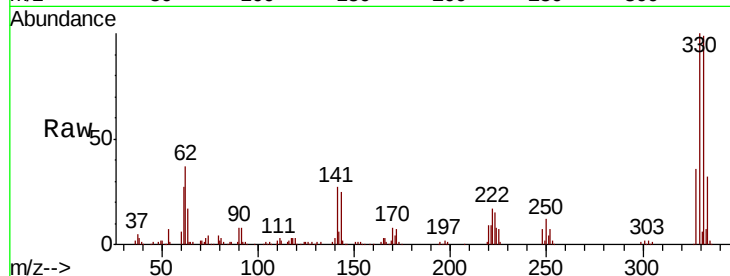




#42
 2,4,6-Tribromophenol
 Concen: 112.114 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG043531.D
 Acq: 6 Nov 2019 22:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	27.9	22.8	34.2

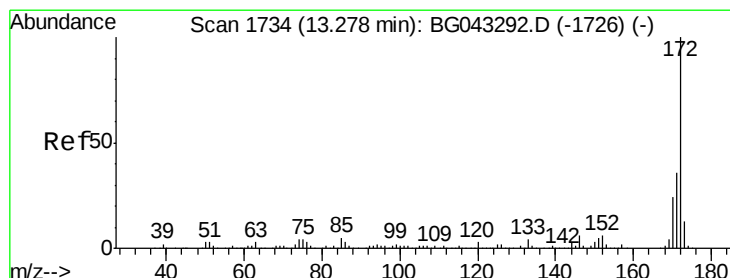
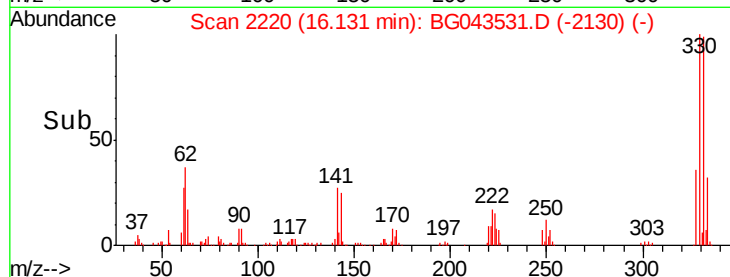
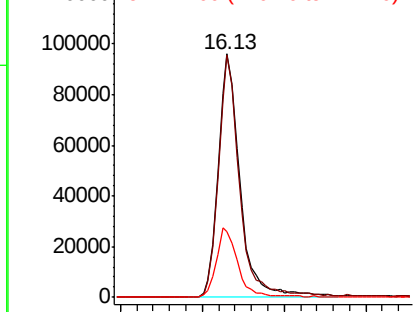


Abundance

Ion 329.80 (329.50 to 330.50): E

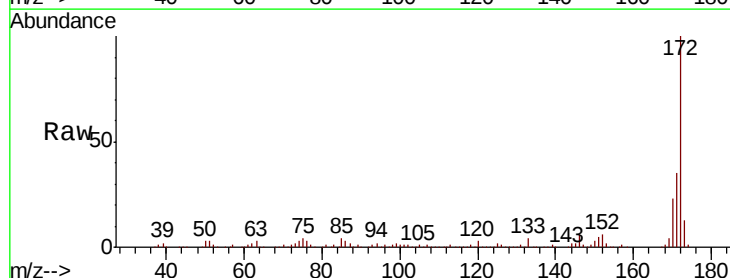
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 76.497 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG043531.D
 Acq: 6 Nov 2019 22:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.9	43.3
170	23.0	18.5	27.7

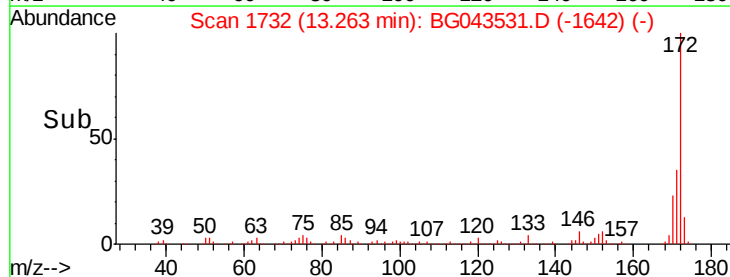
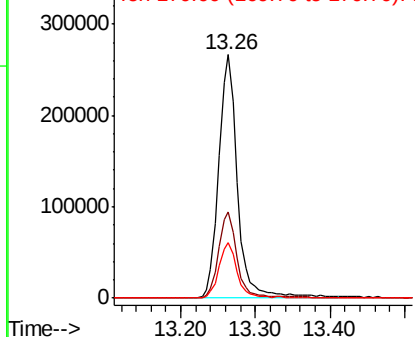


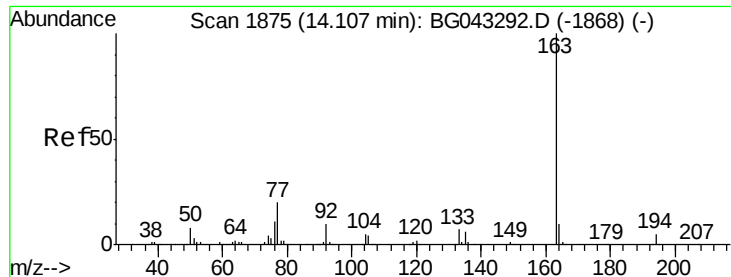
Abundance

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: 10.099 ng

RT: 14.09 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BG043531.D

Acq: 6 Nov 2019 22:05

Instrument :

BNA_G

ClientSampleId :

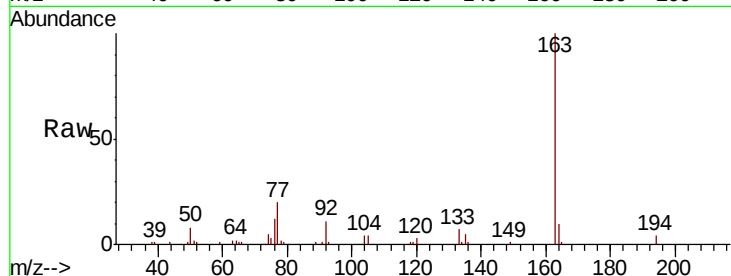
Tot Ion:163 Resp: 65763

Ion Ratio Lower Upper

163 100

194 4.5 3.8 5.6

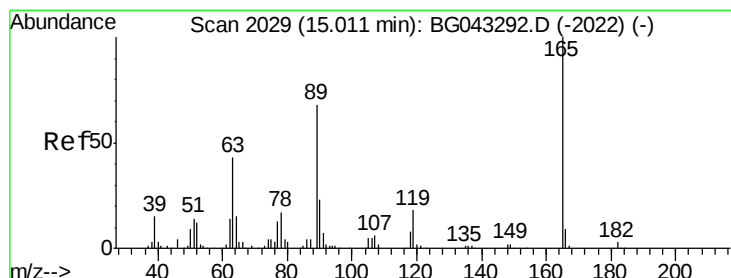
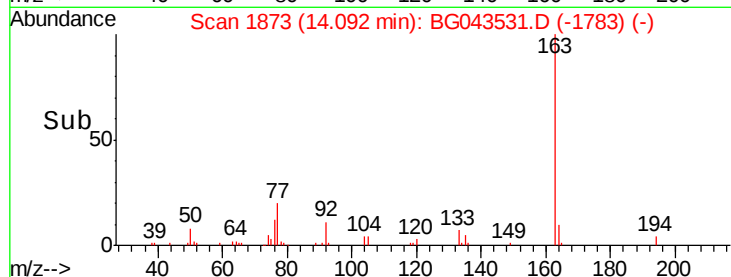
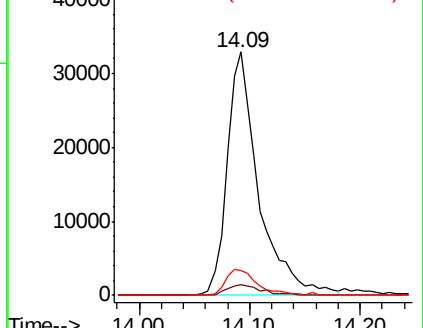
164 10.2 8.9 13.3



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



#57

2,4-Dinitrotoluene

Concen: 5.707 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.37 min

Lab File: BG043531.D

Acq: 6 Nov 2019 22:05

Tgt Ion:165 Resp: 11539

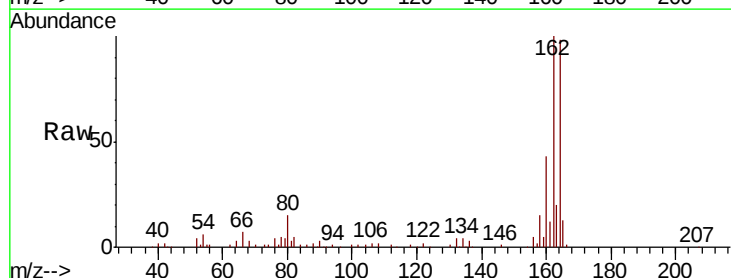
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 2.4 52.2 78.4#

182 0.0 2.0 3.0#

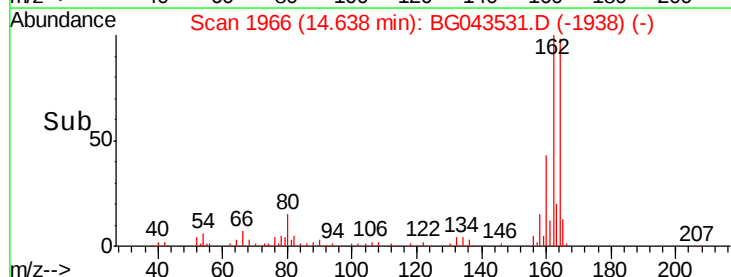
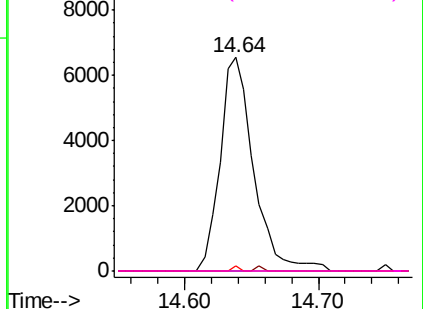


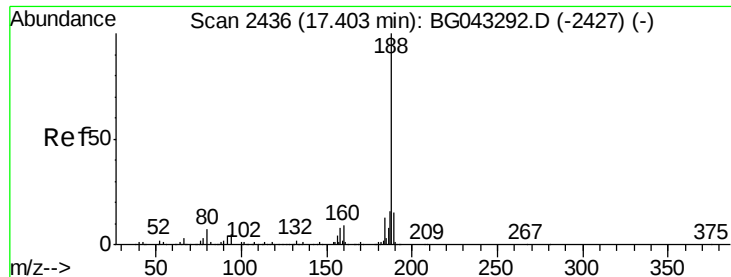
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2434

Delta R.T. -0.00 min

Lab File: BG043531.D

Acq: 6 Nov 2019 22:05

Instrument :

BNA_G

ClientSampled :

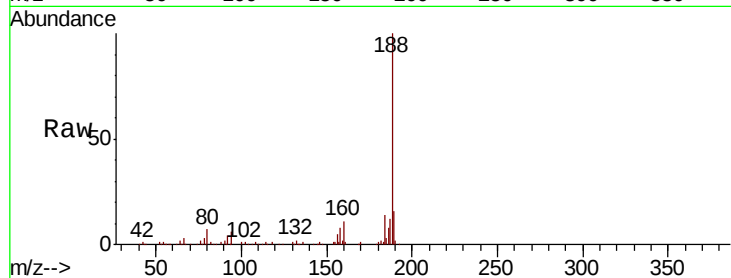
Tot Ion:188 Resp: 210047

Ion Ratio Lower Upper

188 100

94 5.8 4.2 6.4

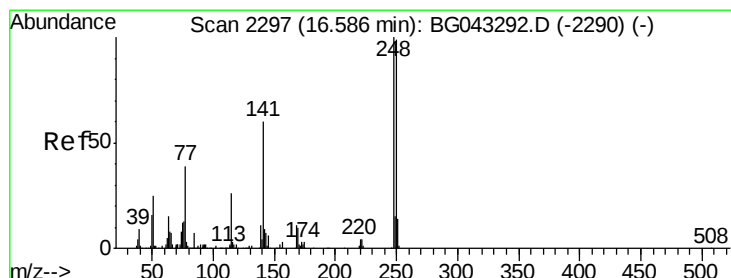
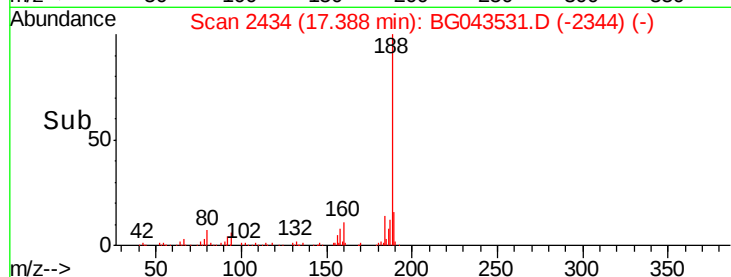
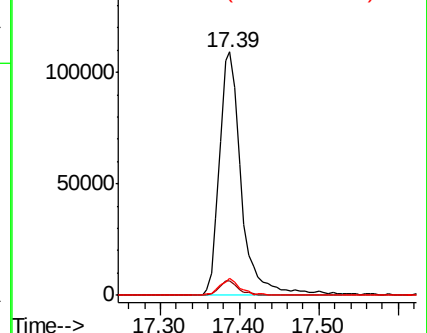
80 6.7 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.190 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.44 min

Lab File: BG043531.D

Acq: 6 Nov 2019 22:05

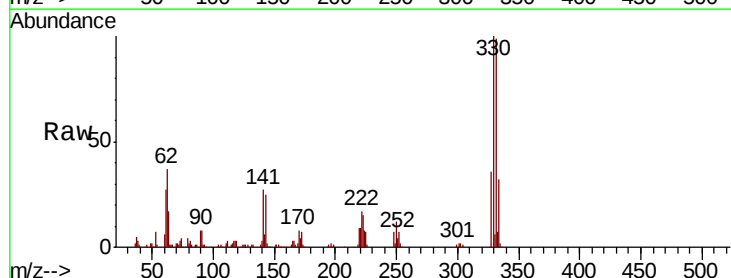
Tgt Ion:248 Resp: 11844

Ion Ratio Lower Upper

248 100

250 177.9 77.0 115.4#

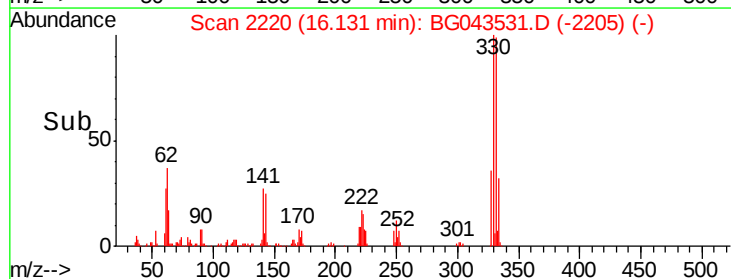
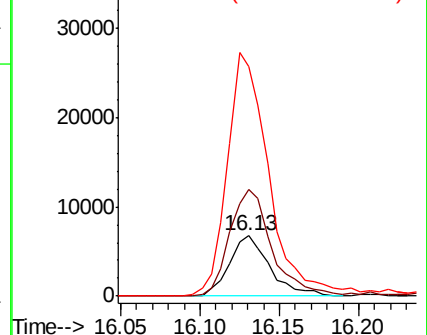
141 381.1 47.5 71.3#

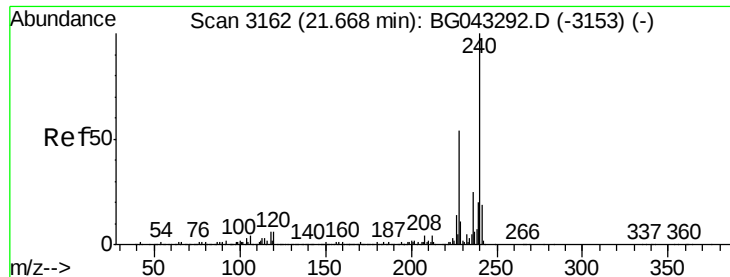


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3160

Delta R.T. -0.00 min

Lab File: BG043531.D

Acq: 6 Nov 2019 22:05

Instrument :

BNA_G

ClientSampled :

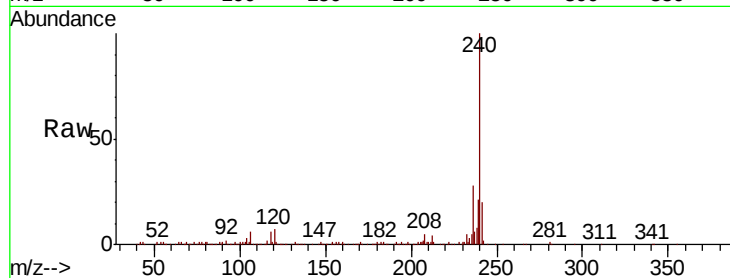
Tot Ion:240 Resp: 217174

Ion Ratio Lower Upper

240 100

120 6.5 4.6 6.8

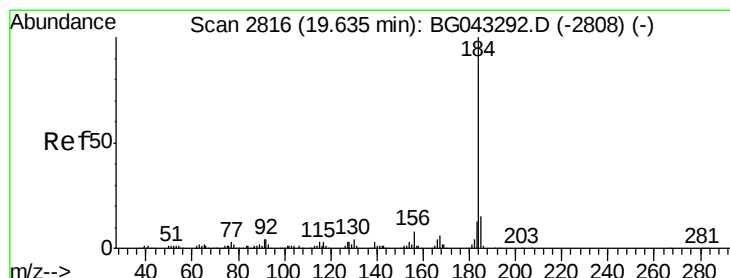
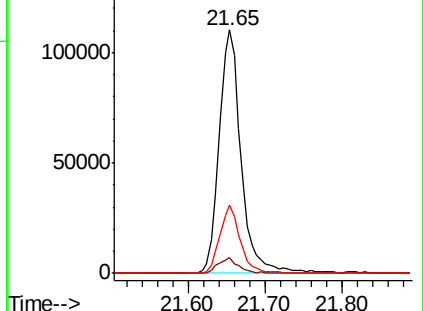
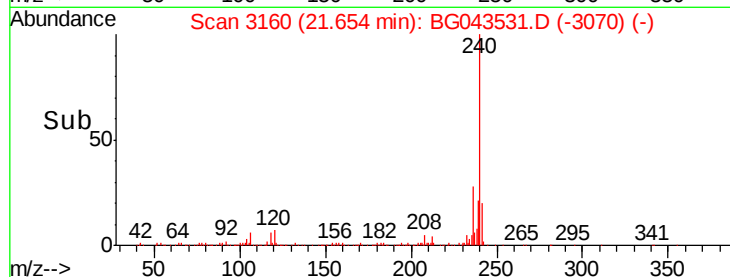
236 28.1 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E

150000 Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 3.073 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.37 min

Lab File: BG043531.D

Acq: 6 Nov 2019 22:05

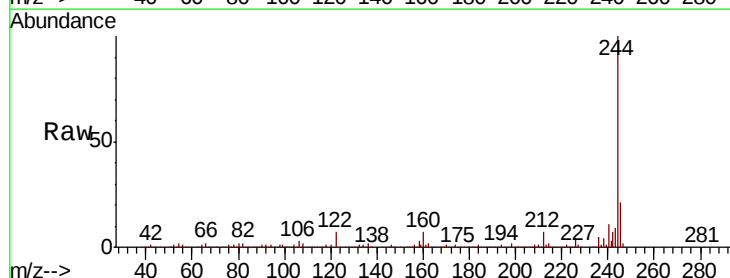
Tgt Ion:184 Resp: 13433

Ion Ratio Lower Upper

184 100

185 16.3 11.0 16.4

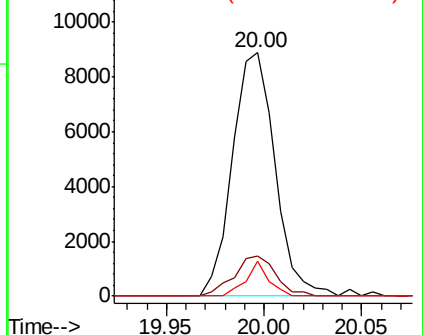
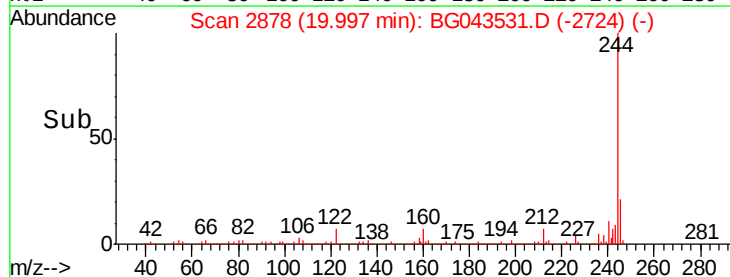
183 14.5 10.0 15.0

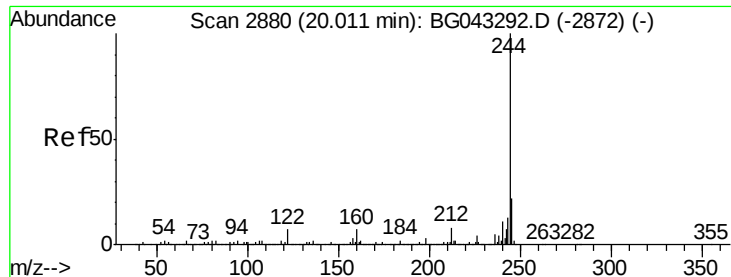


Abundance Ion 184.00 (183.70 to 184.70): E

12000 Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

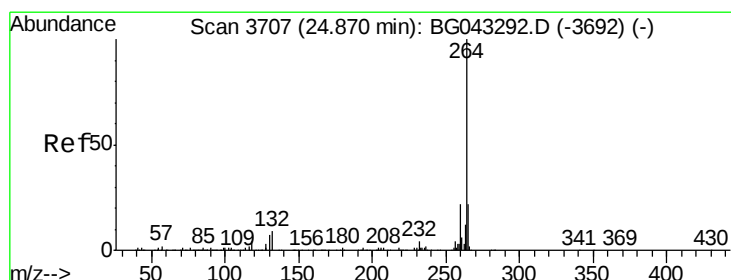
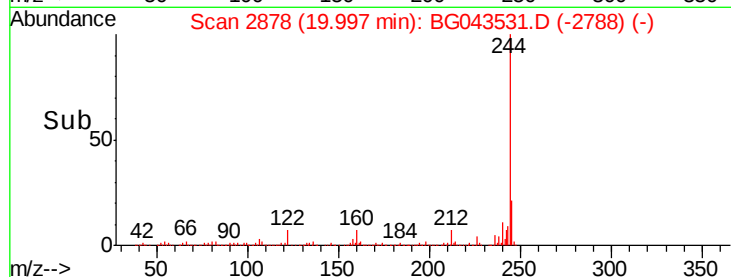
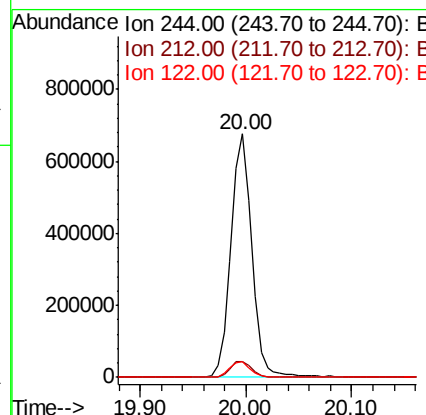
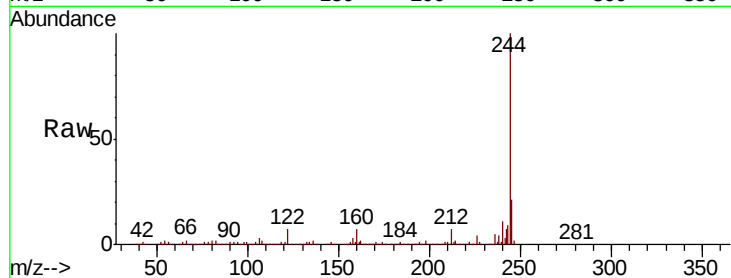




#79
 Terphenyl-d14
 Concen: 80.038 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. -0.00 min
 Lab File: BG043531.D
 Acq: 6 Nov 2019 22:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	6.7	5.4	8.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BG043531.D
 Acq: 6 Nov 2019 22:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.5	26.3
265	22.4	17.4	26.0

