

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
 Data File : BG043463.D
 Acq On : 1 Nov 2019 13:27
 Operator : JU
 Sample : PB124454BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124454BL

Quant Time: Nov 22 05:35:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

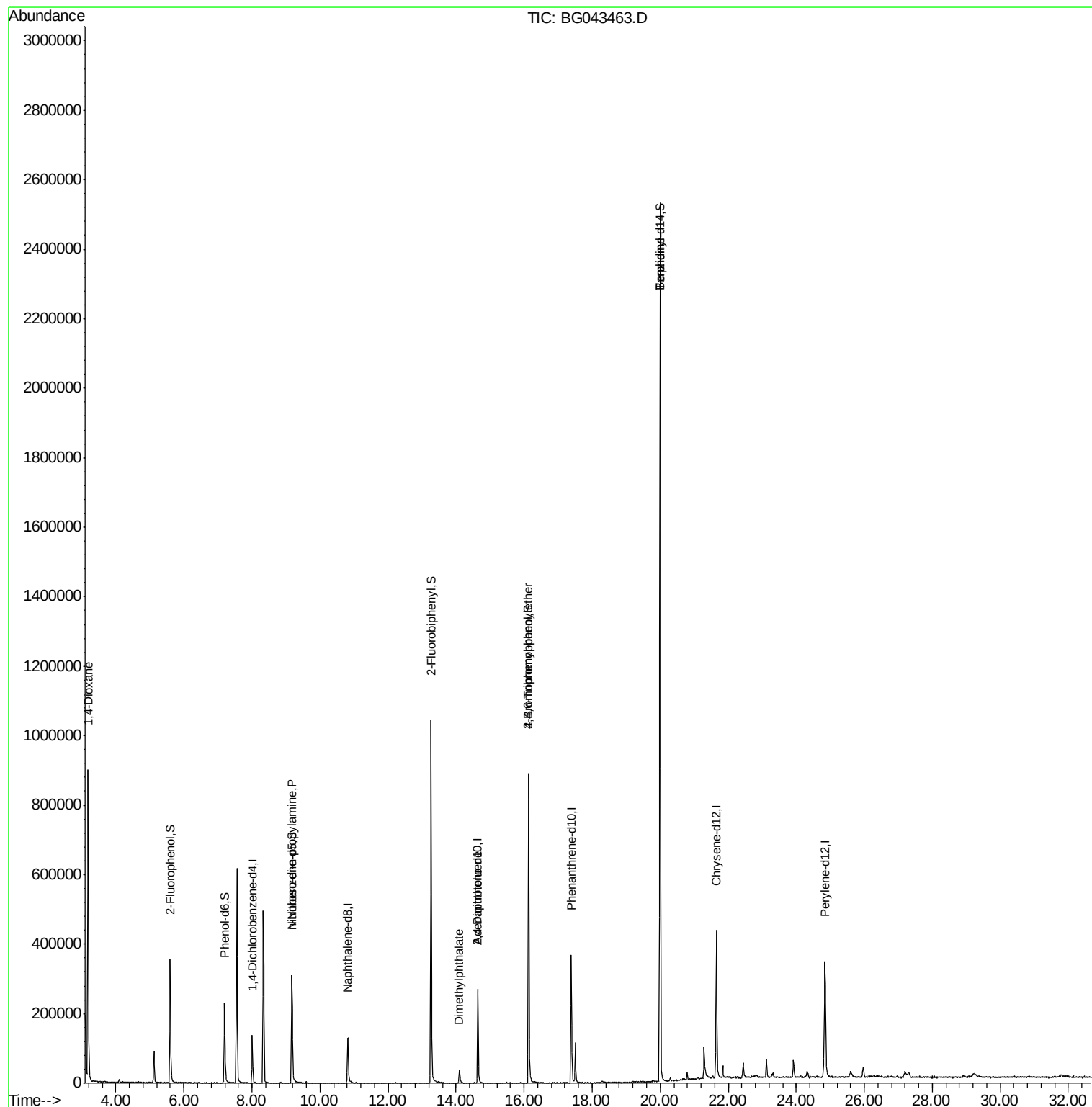
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	40890	20.00	ng	0.02
21) Naphthalene-d8	10.82	136	148786	20.00	ng	0.03
39) Acenaphthene-d10	14.64	164	105376	20.00	ng	0.02
64) Phenanthrene-d10	17.39	188	269956	20.00	ng	0.02
76) Chrysene-d12	21.65	240	305606	20.00	ng	0.02
87) Perylene-d12	24.85	264	362898	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	180898	81.07	ng	0.02
7) Phenol-d6	7.20	99	154348	48.08	ng	0.01
23) Nitrobenzene-d5	9.18	82	227877	78.96	ng	0.02
42) 2,4,6-Tribromophenol	16.13	330	232754	116.07	ng	0.02
45) 2-Fluorobiphenyl	13.26	172	622641	81.65	ng	0.02
79) Terphenyl-d14	20.00	244	1385429	85.05	ng	0.02
Target Compounds						
2) 1,4-Dioxane	3.18	88	9059	10.418	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	30468	14.686	ng	# 71
50) Dimethylphthalate	14.10	163	38366	4.701	ng	# 99
57) 2,4-Dinitrotoluene	14.64	165	14331	5.655	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	15522	4.272	ng	# 1
77) Benzidine	19.99	184	20329	3.305	ng	# 88

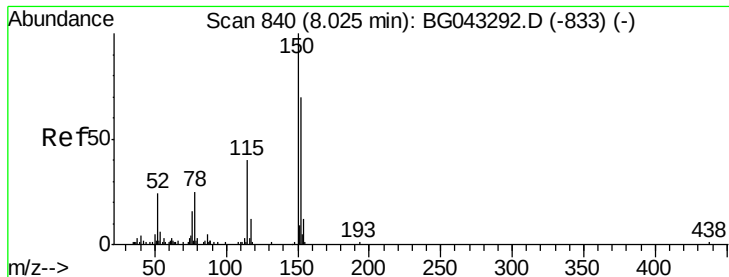
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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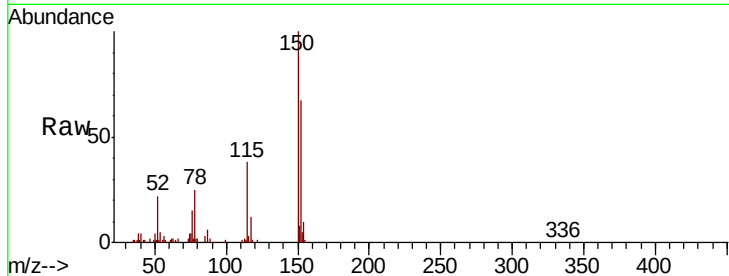


#1

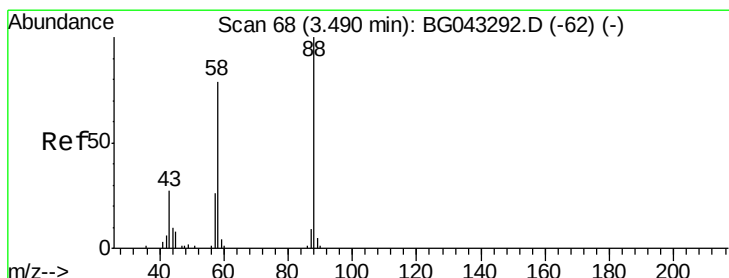
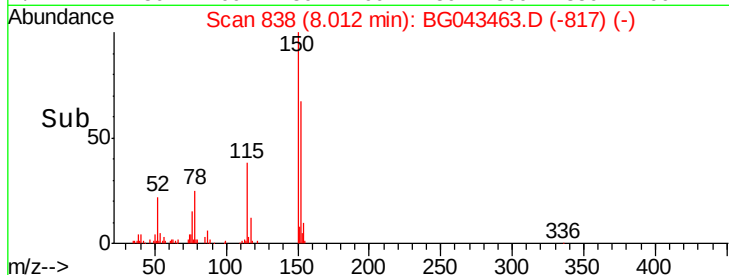
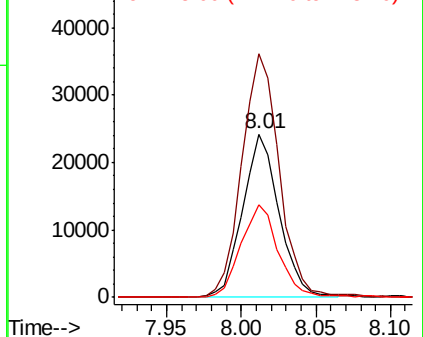
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.02 min
Lab File: BG043463.D
Acq: 1 Nov 2019 13:27

Instrument :
BNA_G
ClientSampleId :
PB124454BL

Tot Ion:152 Resp: 40890
Ion Ratio Lower Upper
152 100
150 149.1 116.6 175.0
115 56.6 40.5 60.7



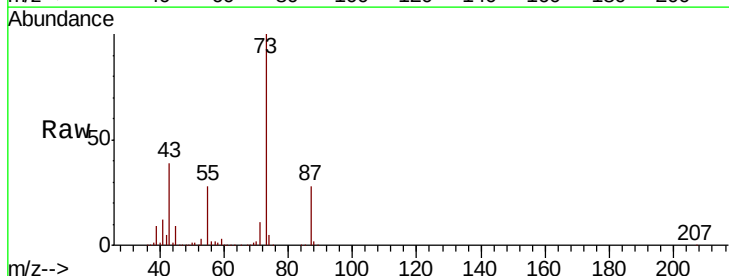
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



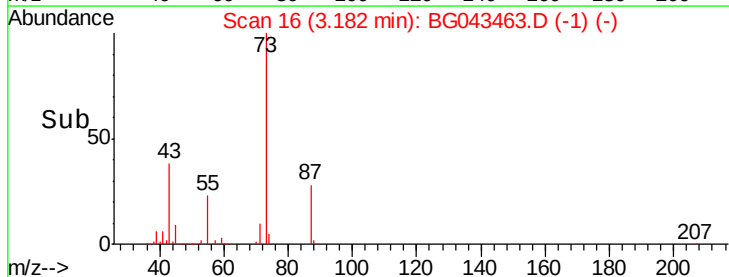
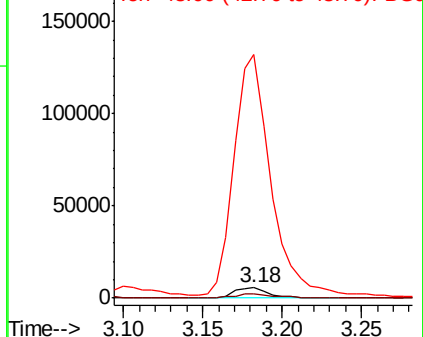
#2

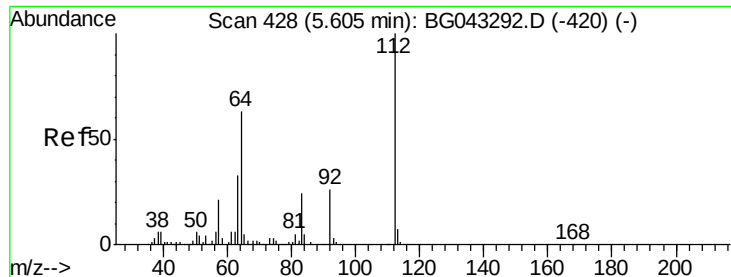
1,4-Dioxane
Concen: 10.418 ng
RT: 3.18 min Scan# 16
Delta R.T. -0.27 min
Lab File: BG043463.D
Acq: 1 Nov 2019 13:27

Tgt Ion: 88 Resp: 9059
Ion Ratio Lower Upper
88 100
58 39.4 62.2 93.4#
43 2346.9 30.1 45.1#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 81.068 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.02 min

Lab File: BG043463.D

Acq: 1 Nov 2019 13:27

Instrument :

BNA_G

ClientSampled :

PB124454BL

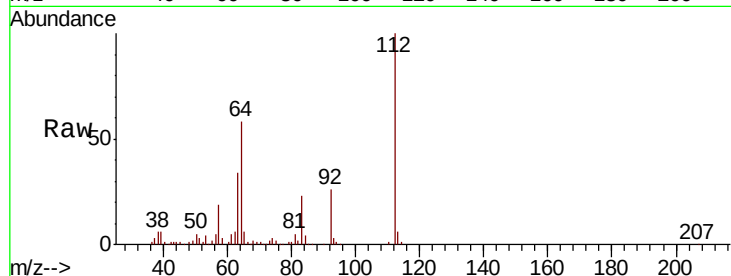
Tot Ion:112 Resp: 180898

Ion Ratio Lower Upper

112 100

64 58.2 50.6 75.8

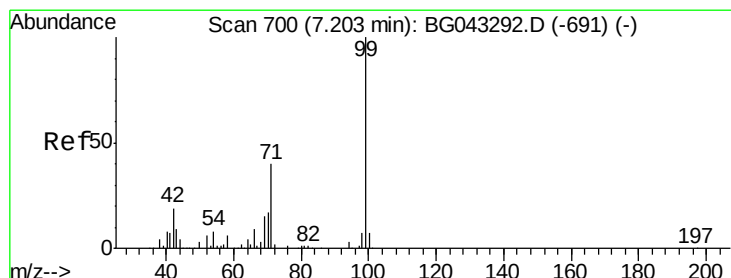
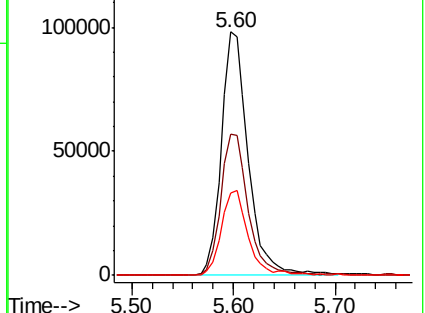
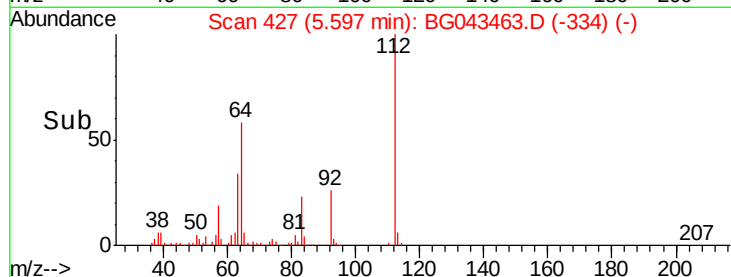
63 33.9 30.5 45.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 48.076 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG043463.D

Acq: 1 Nov 2019 13:27

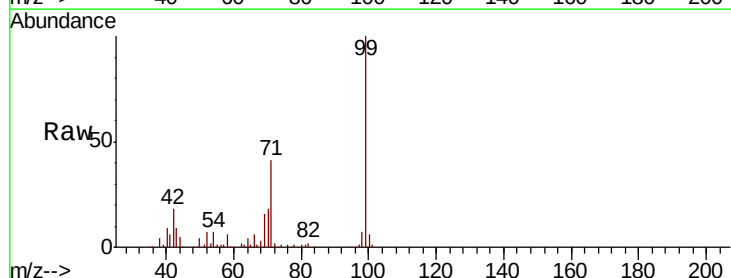
Tgt Ion: 99 Resp: 154348

Ion Ratio Lower Upper

99 100

42 18.1 15.8 23.8

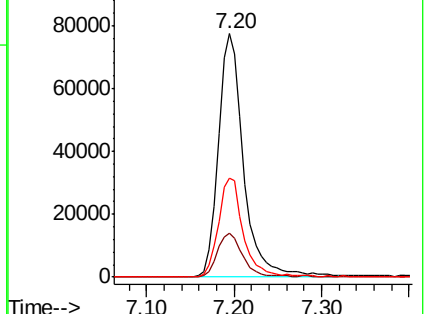
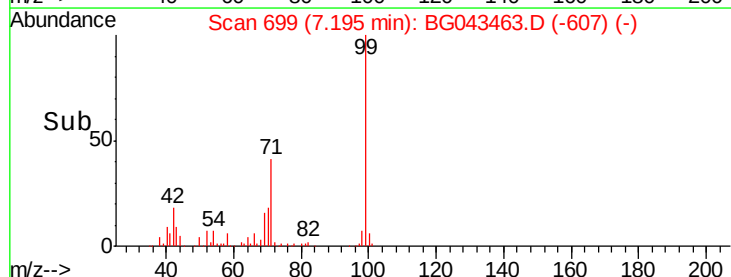
71 40.7 34.4 51.6

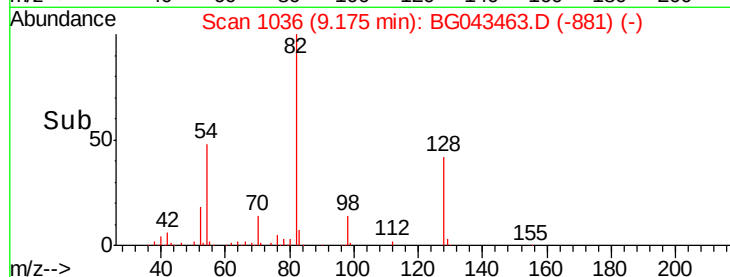
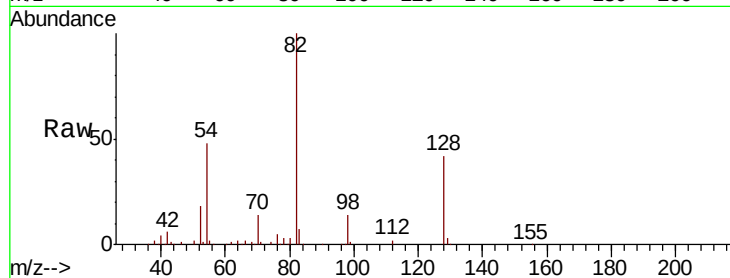
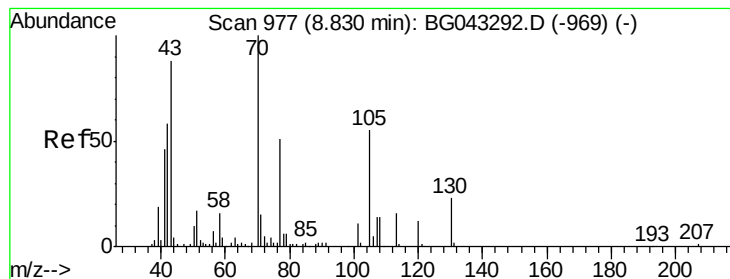


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 14.686 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.38 min

Lab File: BG043463.D

Acq: 1 Nov 2019 13:27

Instrument :

BNA_G

ClientSampleId :

PB124454BL

Tot Ion: 70 Resp: 30468

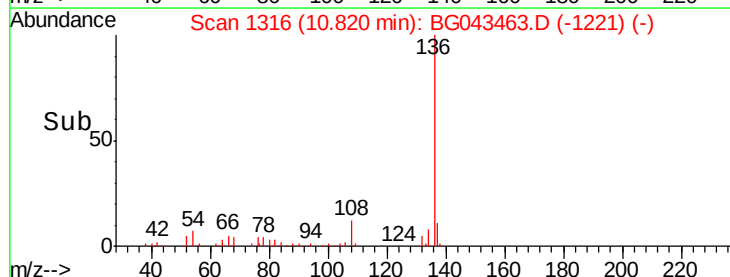
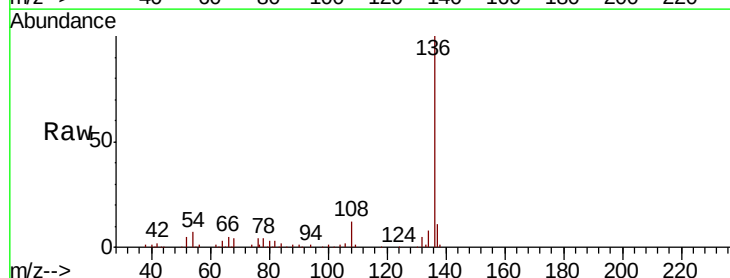
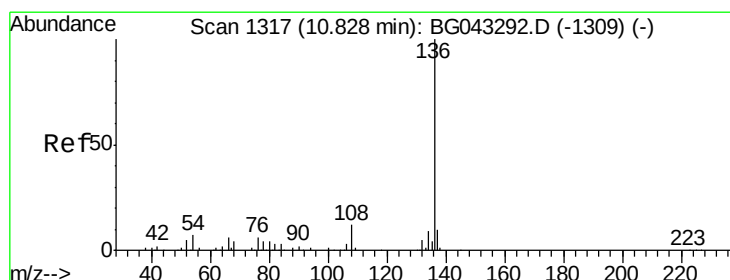
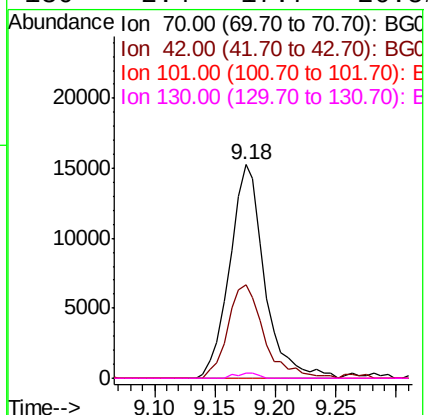
Ion Ratio Lower Upper

70 100

42 43.5 49.7 74.5#

101 0.0 9.7 14.5#

130 2.4 17.7 26.5#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. 0.03 min

Lab File: BG043463.D

Acq: 1 Nov 2019 13:27

Tgt Ion: 136 Resp: 148786

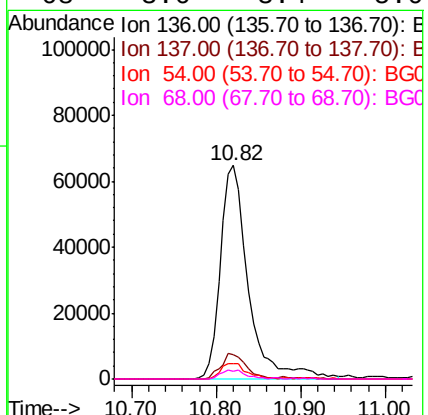
Ion Ratio Lower Upper

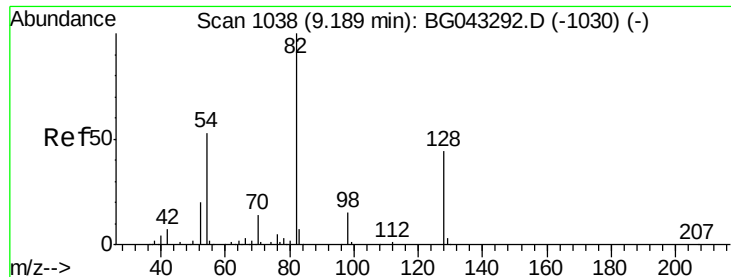
136 100

137 11.2 8.8 13.2

54 7.3 6.2 9.2

68 3.6 3.4 5.0

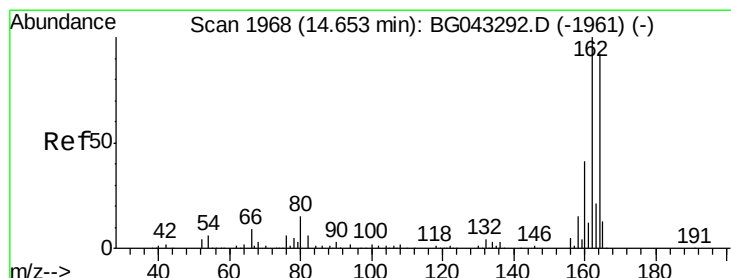
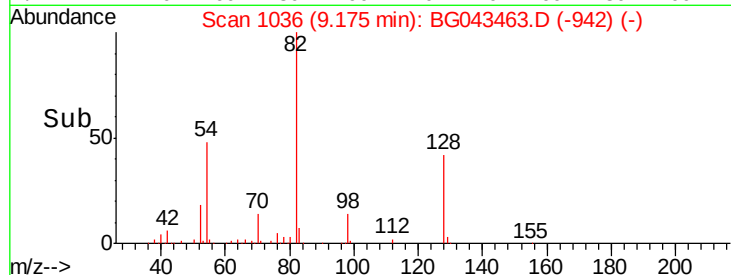
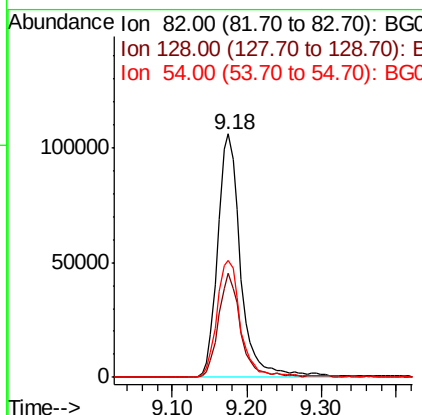
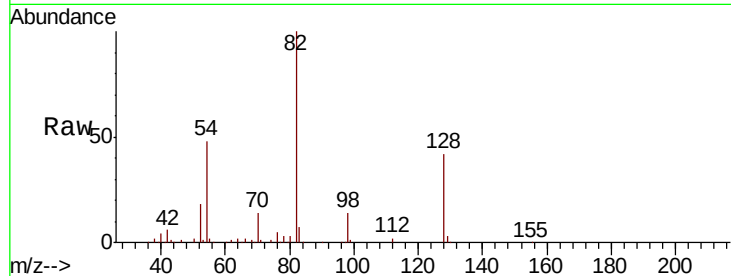




#23
Nitrobenzene-d5
Concen: 78.960 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BG043463.D
Acq: 1 Nov 2019 13:27

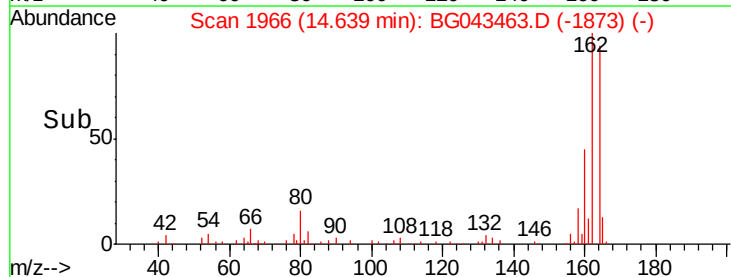
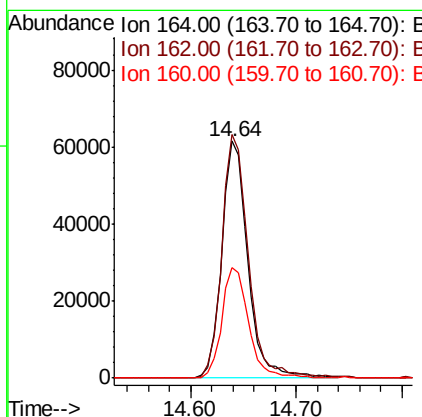
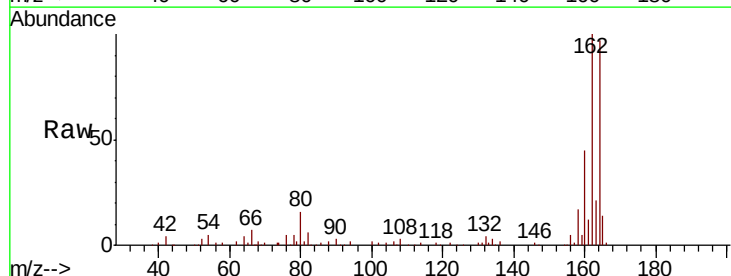
Instrument :
BNA_G
ClientSampled :
PB124454BL

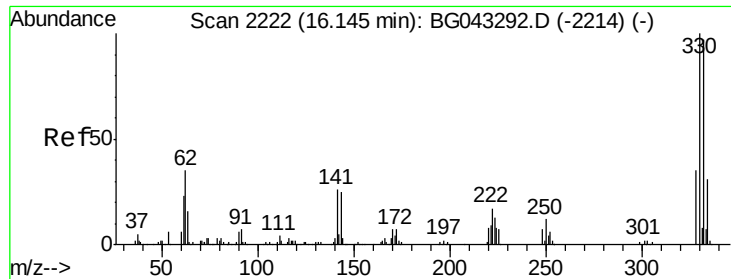
Tot Ion	82	Resp	227877
Ion Ratio	Lower	Upper	
82	100		
128	42.5	34.2	51.4
54	48.1	44.7	67.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. 0.02 min
Lab File: BG043463.D
Acq: 1 Nov 2019 13:27

Tgt Ion	164	Resp	105376
Ion Ratio	Lower	Upper	
164	100		
162	102.9	79.4	119.2
160	46.7	36.3	54.5

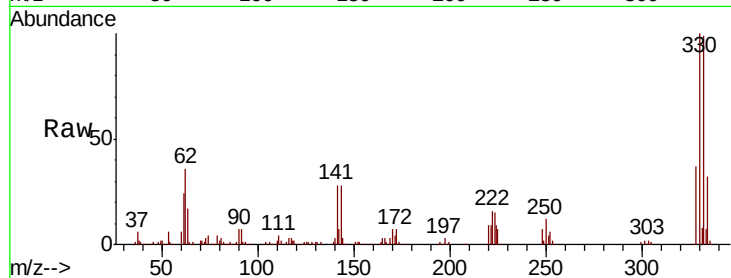




#42
 2,4,6-Tribromophenol
 Concen: 116.069 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.02 min
 Lab File: BG043463.D
 Acq: 1 Nov 2019 13:27

Instrument :
 BNA_G
 ClientSampleId :
 PB124454BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	28.3	23.4	35.2

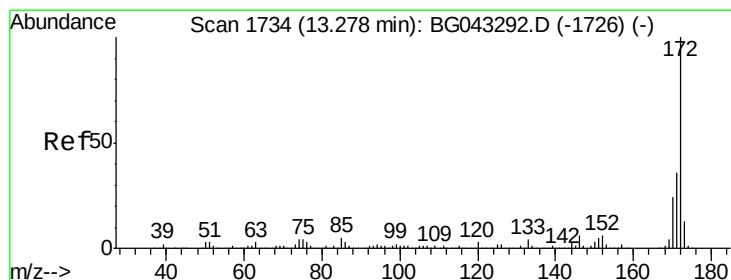
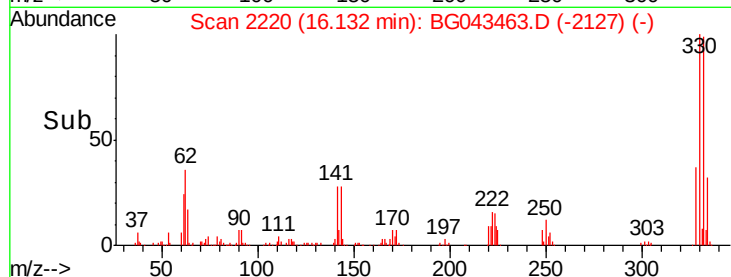
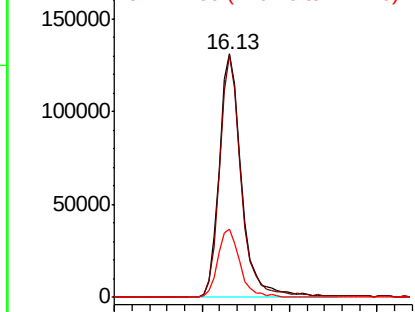


Abundance

Ion 329.80 (329.50 to 330.50): E

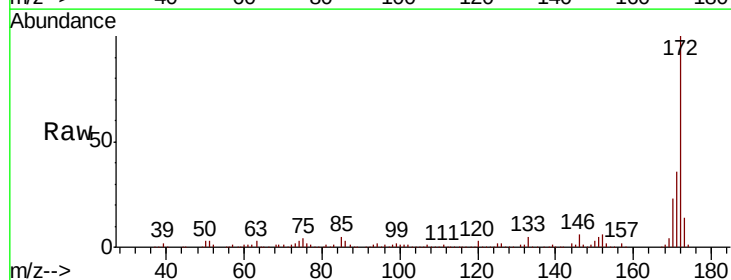
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 81.647 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. 0.02 min
 Lab File: BG043463.D
 Acq: 1 Nov 2019 13:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.1	42.1
170	22.9	18.8	28.2

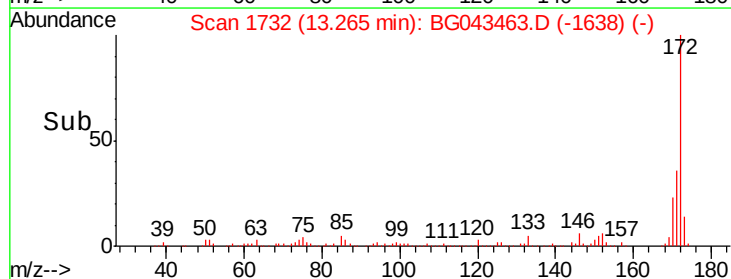
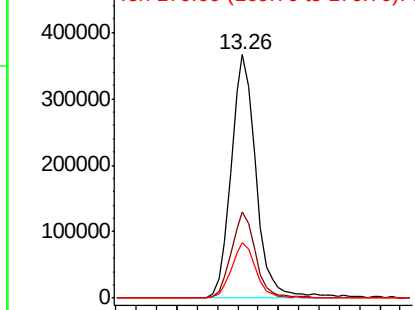


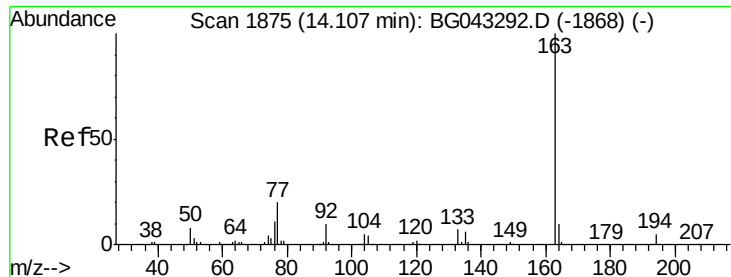
Abundance

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

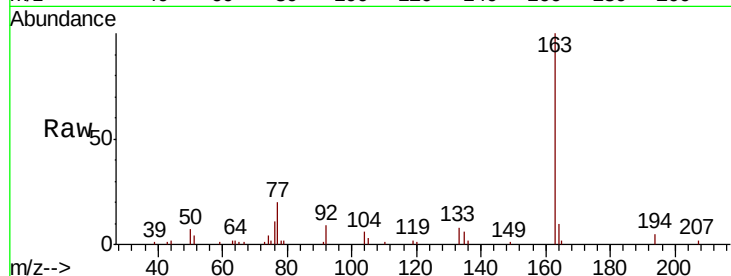




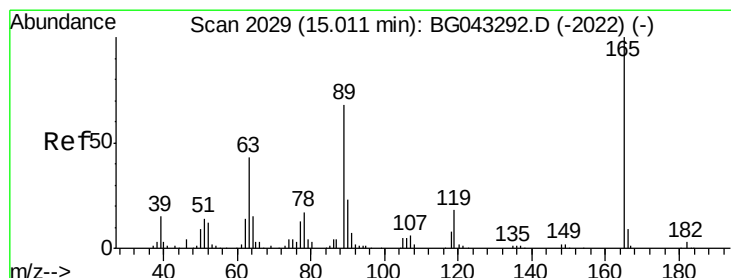
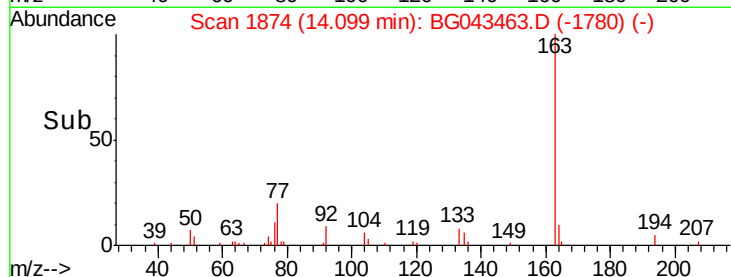
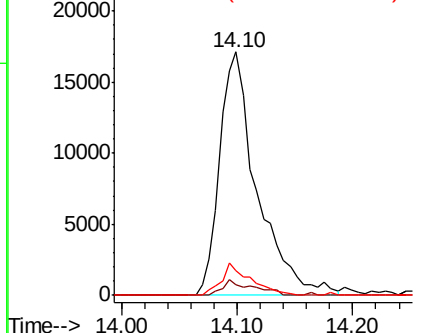
#50
Dimethylphthalate
Concen: 4.701 ng
RT: 14.10 min Scan# 1874
Delta R.T. 0.02 min
Lab File: BG043463.D
Acq: 1 Nov 2019 13:27

Instrument :
BNA_G
ClientSampleId :
PB124454BL

Tot Ion:163 Resp: 38366
Ion Ratio Lower Upper
163 100
194 4.5 3.8 5.8
164 10.4 8.5 12.7

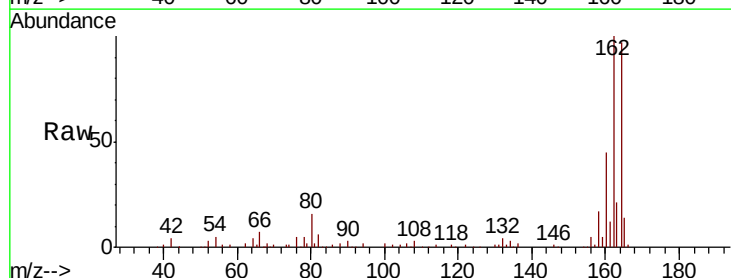


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

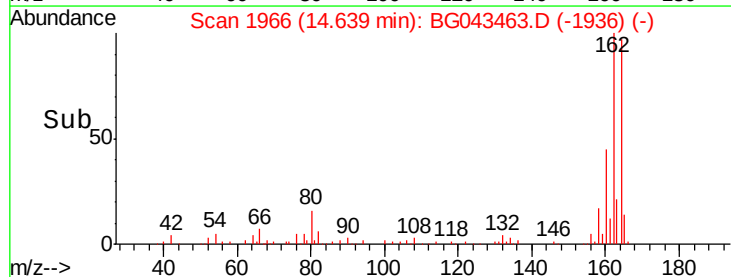
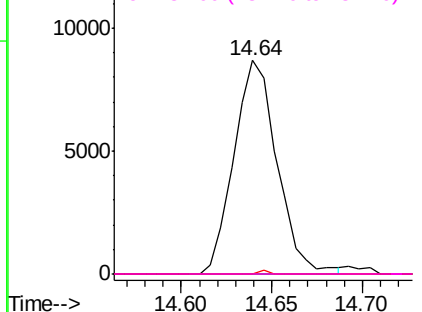


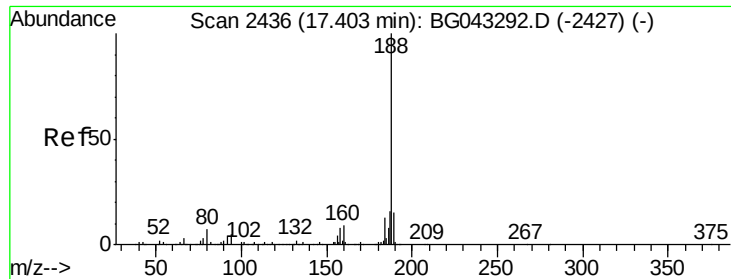
#57
2,4-Dinitrotoluene
Concen: 5.655 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.35 min
Lab File: BG043463.D
Acq: 1 Nov 2019 13:27

Tgt Ion:165 Resp: 14331
Ion Ratio Lower Upper
165 100
63 0.0 37.4 56.0#
89 0.0 50.9 76.3#
182 0.0 2.3 3.5#



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. 0.02 min

Lab File: BG043463.D

Acq: 1 Nov 2019 13:27

Instrument :

BNA_G

ClientSampleId :

PB124454BL

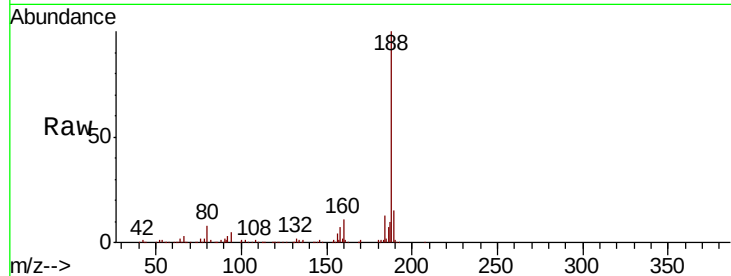
Tot Ion:188 Resp: 269956

Ion Ratio Lower Upper

188 100

94 5.1 4.6 7.0

80 7.8 5.2 7.8#



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

200000

150000

100000

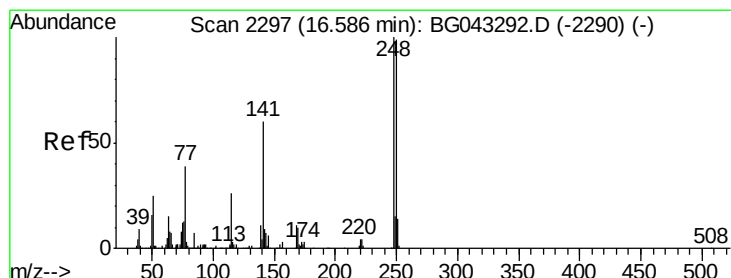
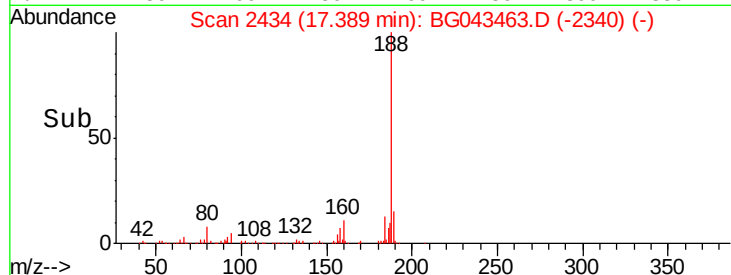
50000

0

17.30 17.40 17.50

17.39

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.272 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.42 min

Lab File: BG043463.D

Acq: 1 Nov 2019 13:27

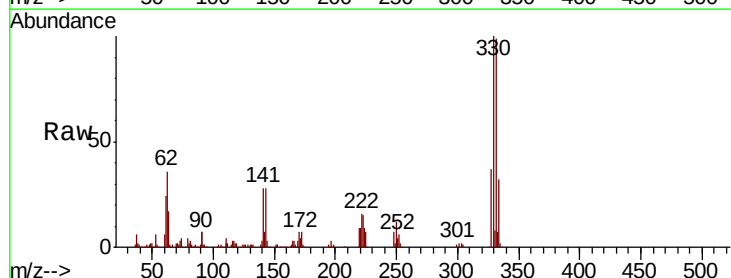
Tgt Ion:248 Resp: 15522

Ion Ratio Lower Upper

248 100

250 163.8 76.3 114.5#

141 373.5 49.5 74.3#



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

50000

40000

30000

20000

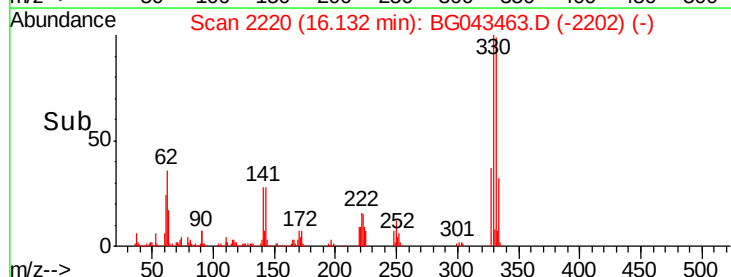
10000

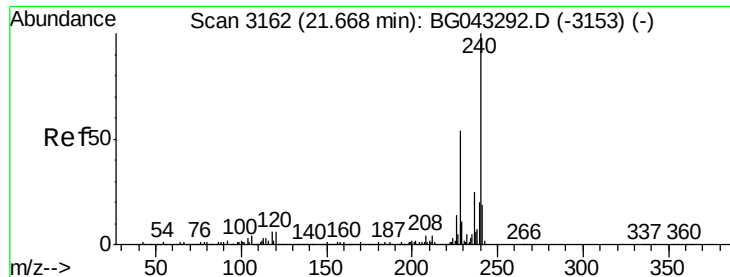
0

16.10 16.20

16.13

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. 0.02 min

Lab File: BG043463.D

Acq: 1 Nov 2019 13:27

Instrument :

BNA_G

ClientSampleId :

PB124454BL

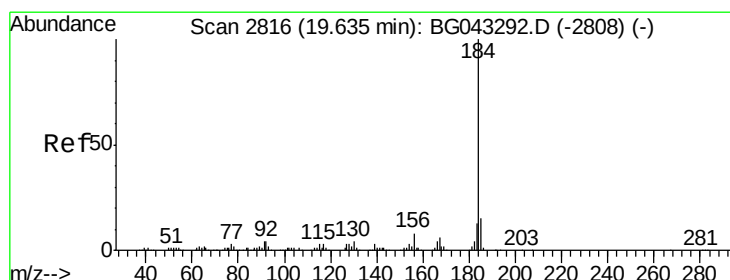
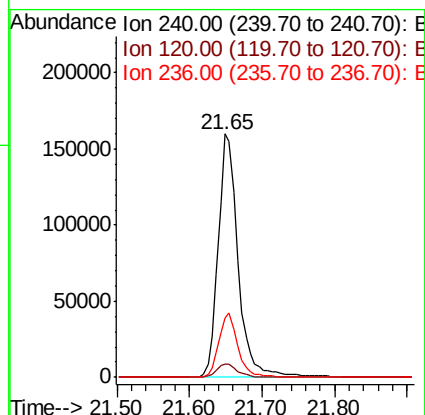
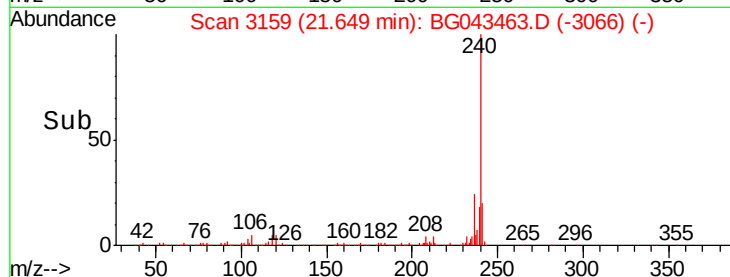
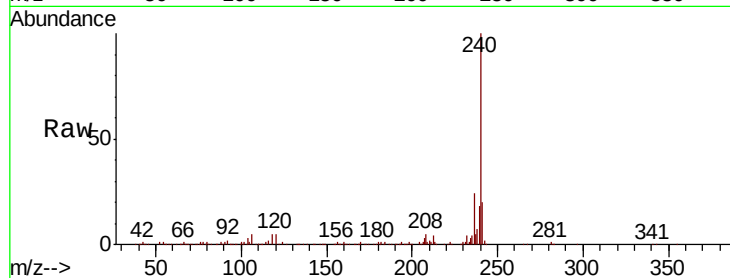
Tot Ion:240 Resp: 305606

Ion Ratio Lower Upper

240 100

120 5.4 4.9 7.3

236 24.4 21.4 32.0



#77

Benzidine

Concen: 3.305 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.38 min

Lab File: BG043463.D

Acq: 1 Nov 2019 13:27

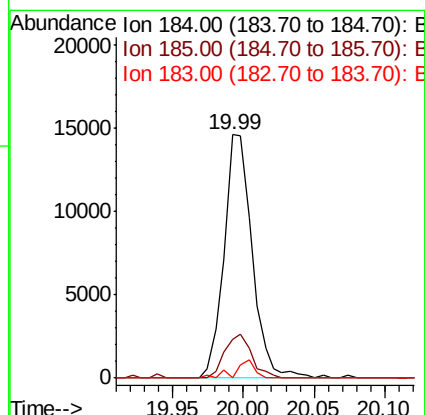
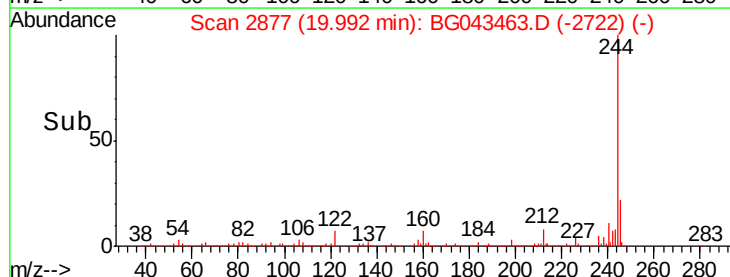
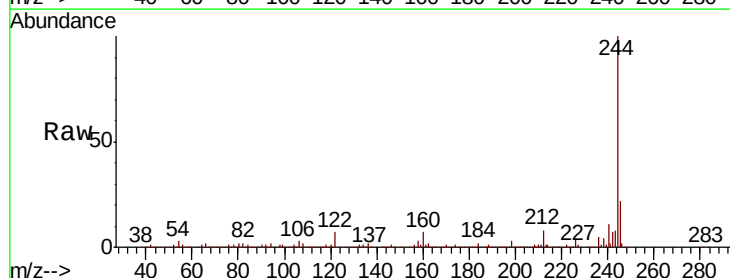
Tgt Ion:184 Resp: 20329

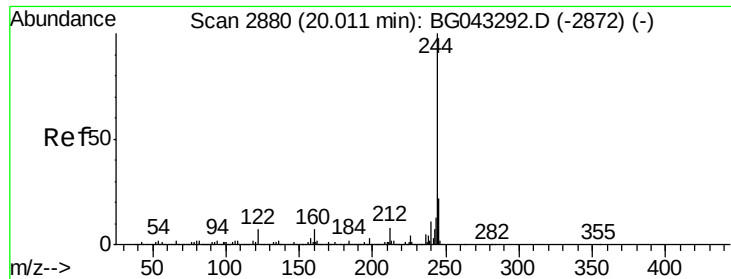
Ion Ratio Lower Upper

184 100

185 15.8 12.7 19.1

183 0.0 8.8 13.2#



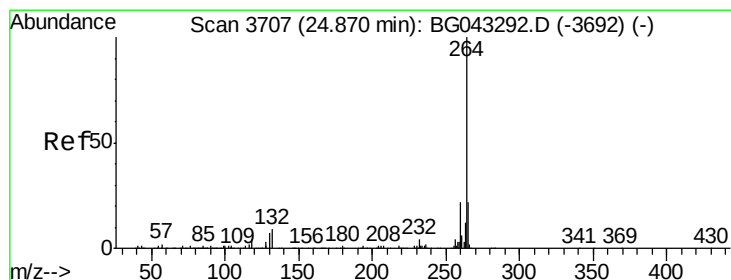
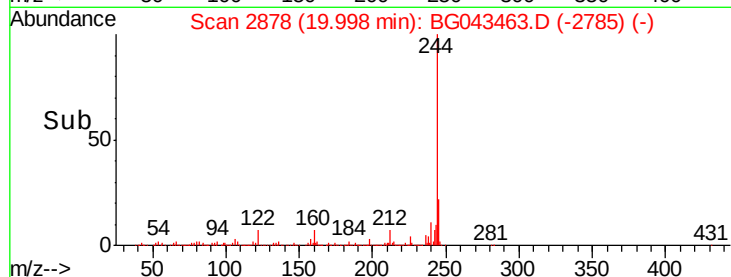
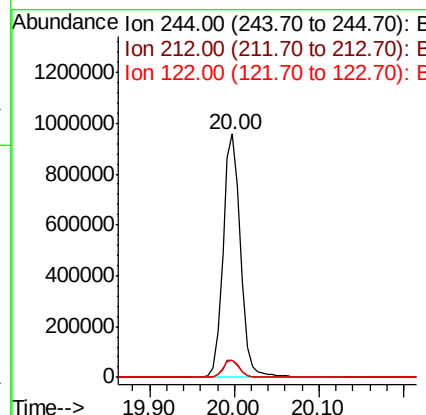
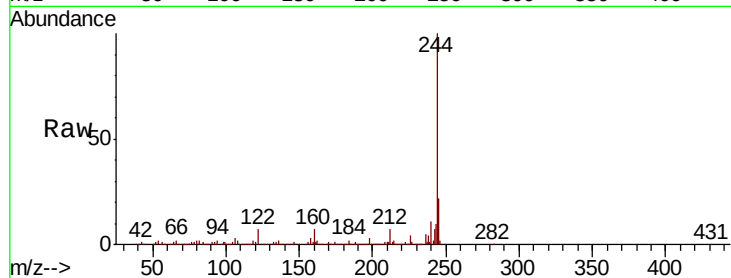


#79
 Terphenyl-d14
 Concen: 85.049 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. 0.02 min
 Lab File: BG043463.D
 Acq: 1 Nov 2019 13:27

Instrument :
 BNA_G
 ClientSampleId :
 PB124454BL

Tot Ion:244 Resp: 1385429

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	7.2	5.2	7.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3703
 Delta R.T. 0.03 min
 Lab File: BG043463.D
 Acq: 1 Nov 2019 13:27

Tgt Ion:264 Resp: 362898

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.4	27.6
265	20.8	15.8	23.8

