

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043223.D
 Acq On : 15 Oct 2019 17:54
 Operator : JU
 Sample : K5325-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 01:17:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

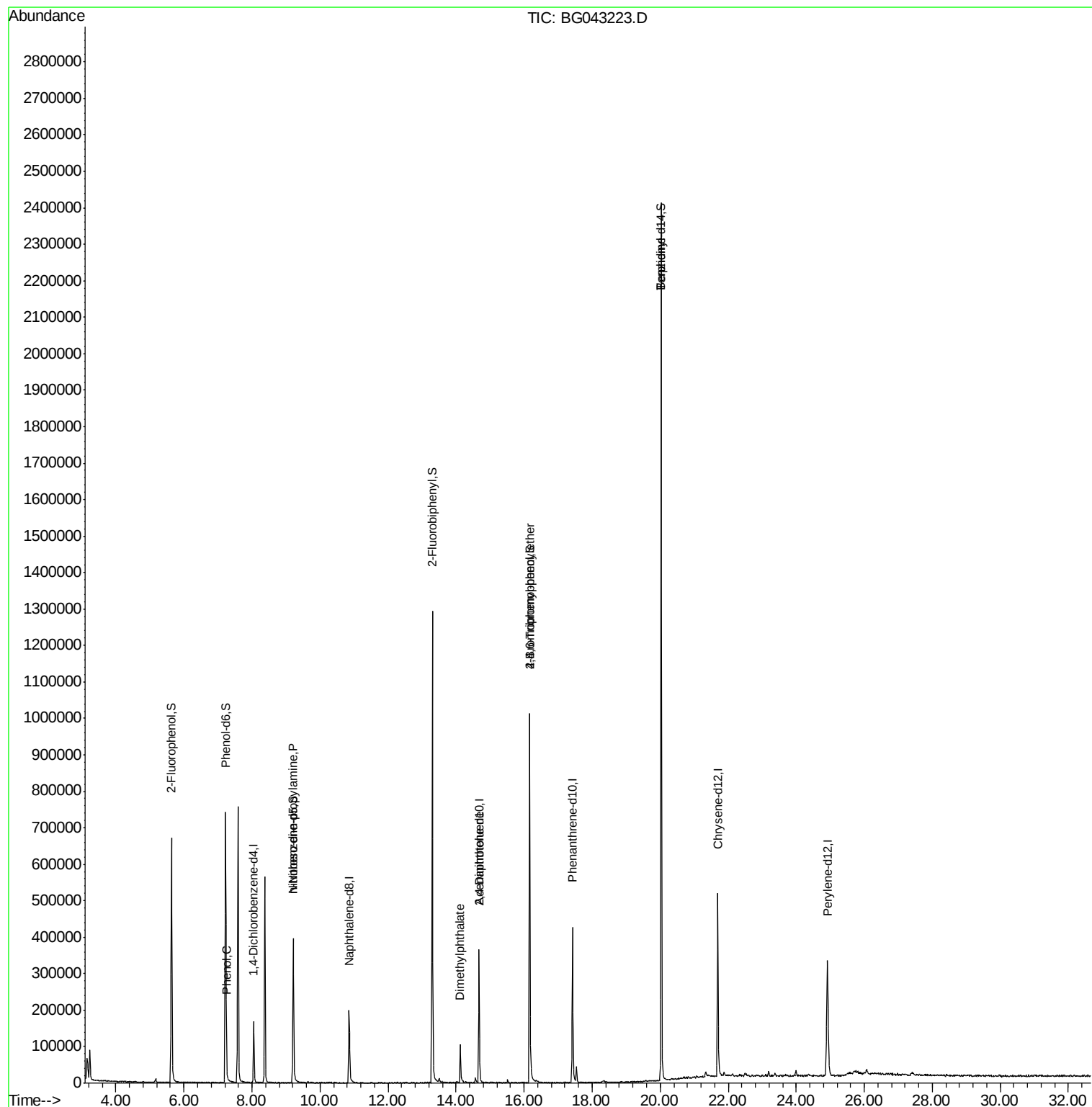
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	52224	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	196045	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	144227	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	324580	20.00	ng	0.00
76) Chrysene-d12	21.70	240	338845	20.00	ng	0.00
87) Perylene-d12	24.92	264	391348	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	318354	108.79	ng	0.00
7) Phenol-d6	7.22	99	459038	108.93	ng	0.00
23) Nitrobenzene-d5	9.21	82	284160	70.45	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	259715	104.72	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	748653	75.25	ng	0.00
79) Terphenyl-d14	20.03	244	1302638	81.92	ng	0.00
Target Compounds						
10) Phenol	7.25	94	10808	2.795	ng	99
19) n-Nitroso-di-n-propylamine	9.22	70	39547	14.292	ng	# 71
50) Dimethylphthalate	14.12	163	81186	7.513	ng	97
57) 2,4-Dinitrotoluene	14.67	165	20131	5.974	ng	# 23
67) 4-Bromophenyl-phenylether	16.16	248	17783	4.365	ng	# 1
77) Benzidine	20.03	184	19523	2.301	ng	# 89

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

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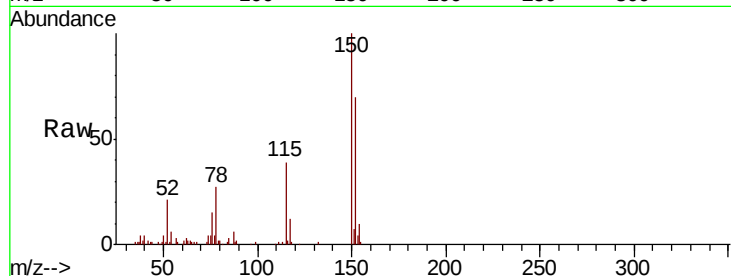


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG043223.D
Acq: 15 Oct 2019 17:54

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.5	115.0	172.4
115	56.4	47.0	70.6

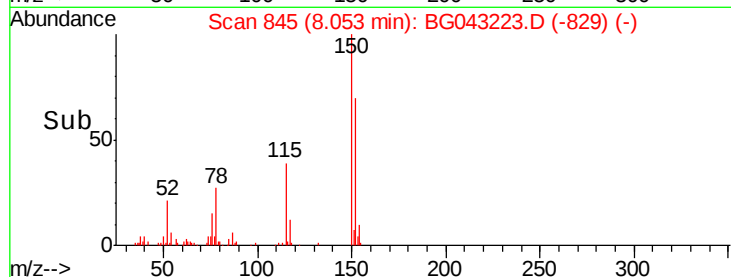
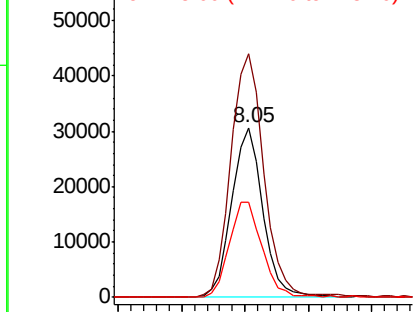


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

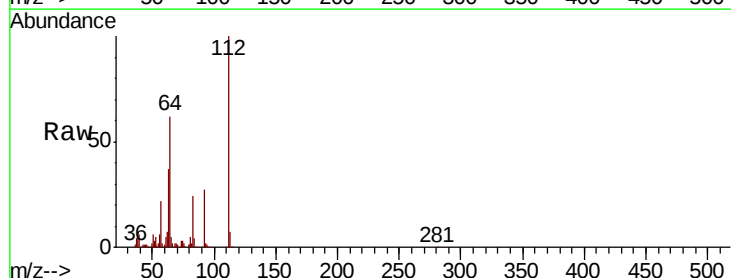
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.789 ng
RT: 5.63 min Scan# 433
Delta R.T. -0.01 min
Lab File: BG043223.D
Acq: 15 Oct 2019 17:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	56.6	84.8
63	37.2	35.1	52.7

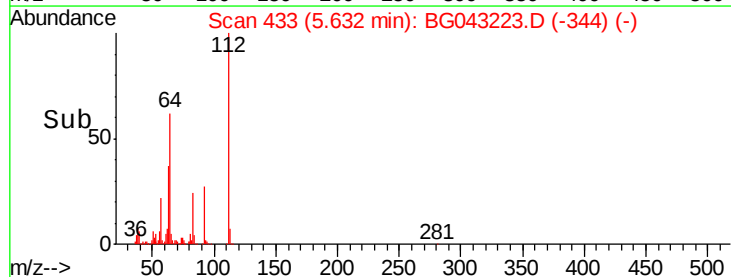
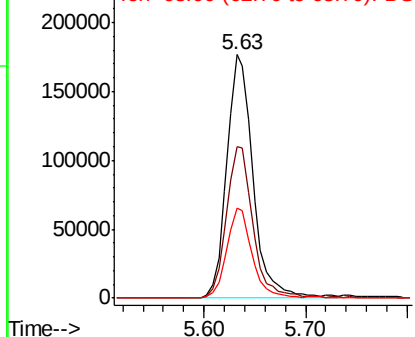


Abundance

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: 108.929 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG043223.D

Acq: 15 Oct 2019 17:54

Instrument :

BNA_G

ClientSampleId :

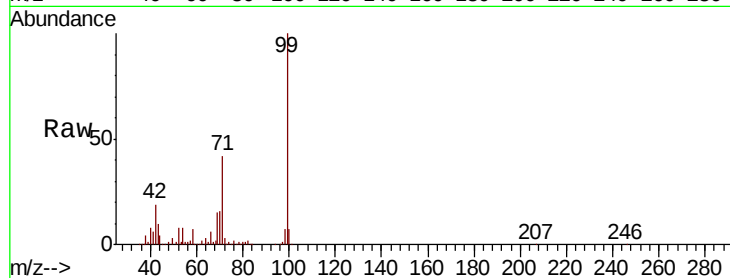
Tot Ion: 99 Resp: 459038

Ion Ratio Lower Upper

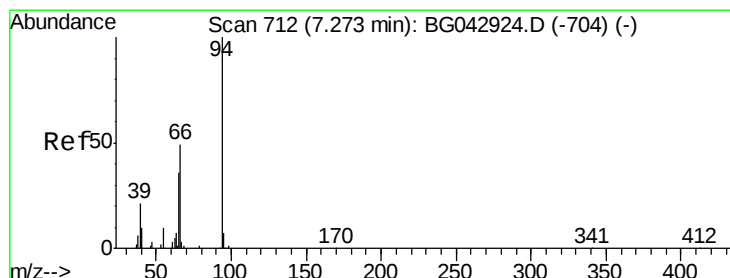
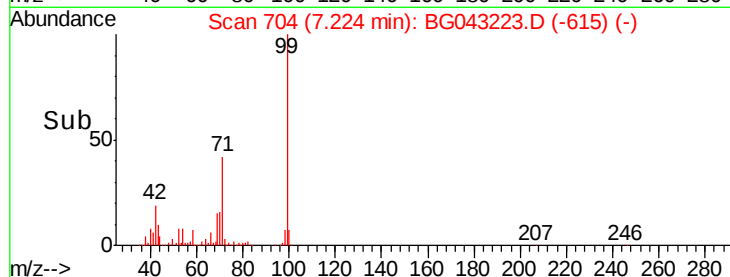
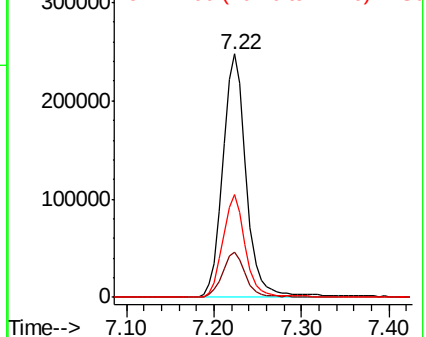
99 100

42 18.5 17.2 25.8

71 42.4 33.1 49.7



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: 2.795 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.00 min

Lab File: BG043223.D

Acq: 15 Oct 2019 17:54

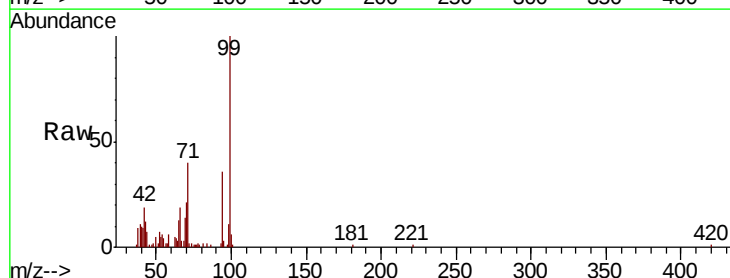
Tgt Ion: 94 Resp: 10808

Ion Ratio Lower Upper

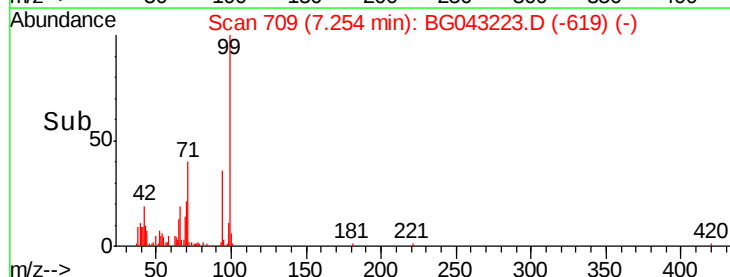
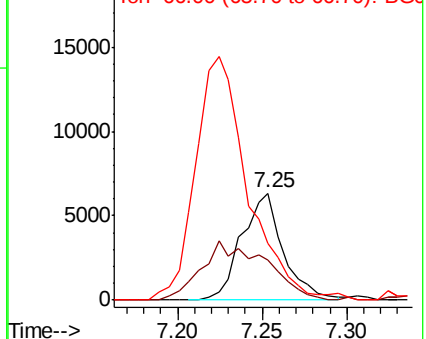
94 100

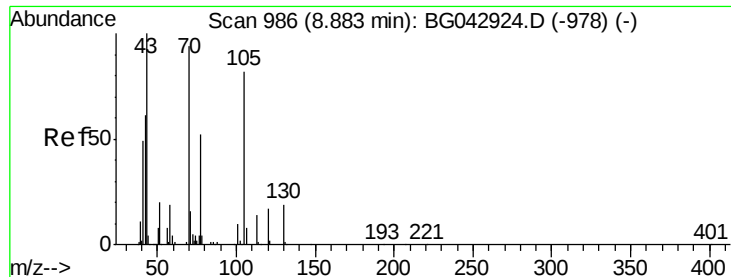
65 37.1 16.6 56.6

66 53.5 32.4 72.4



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

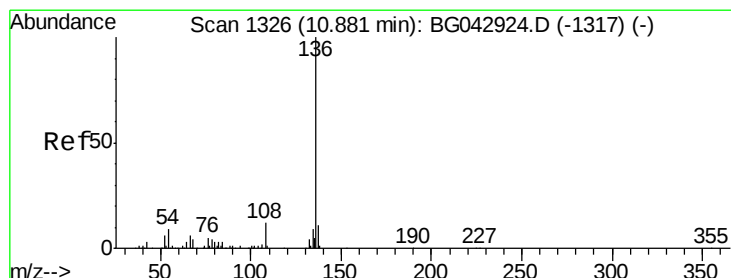
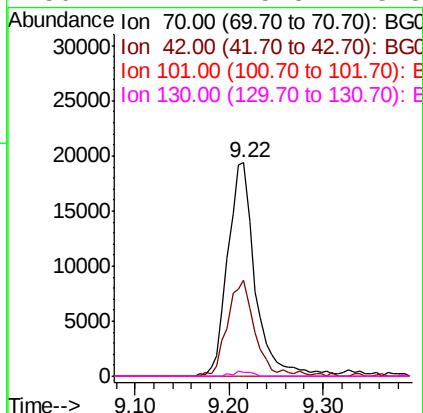
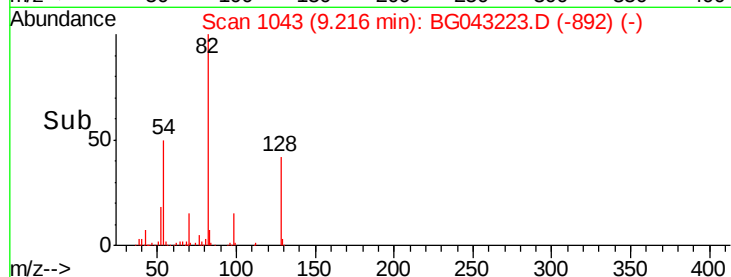
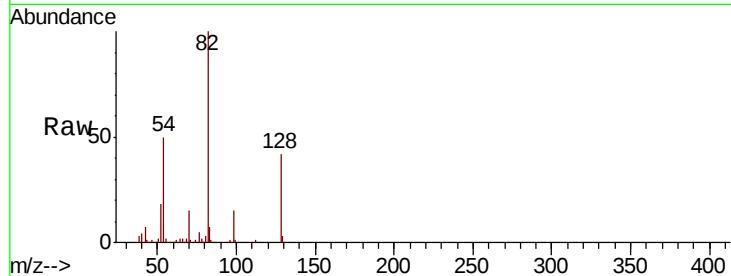




#19
n-Nitroso-di-n-propylamine
Concen: 14.292 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.36 min
Lab File: BG043223.D
Acq: 15 Oct 2019 17:54

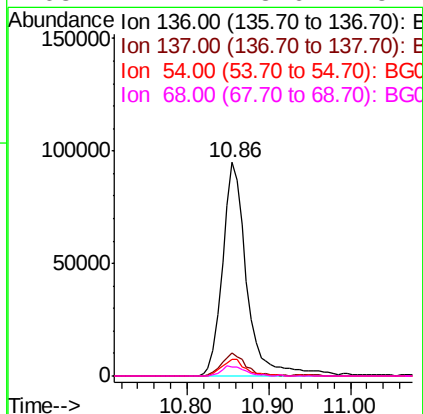
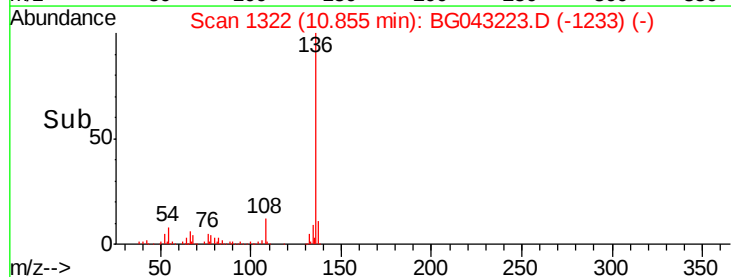
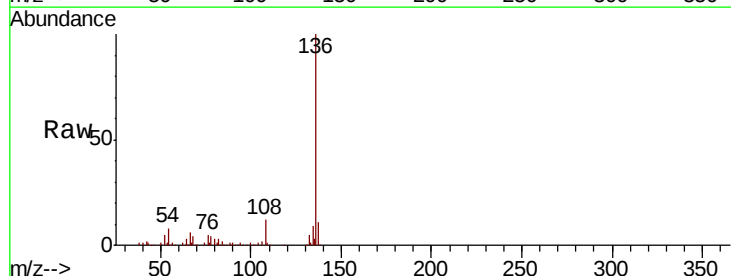
Instrument :
BNA_G
ClientSampleId :

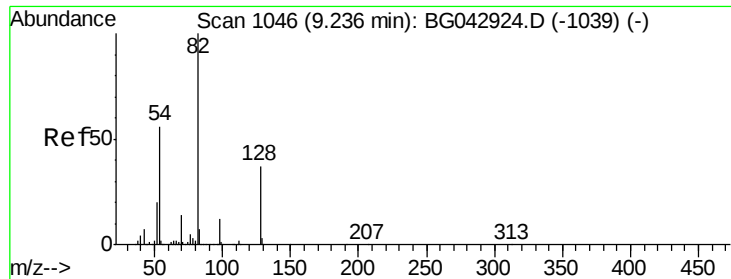
Tot Ion: 70 Resp: 39547
Ion Ratio Lower Upper
70 100
42 45.0 52.6 79.0#
101 0.0 8.7 13.1#
130 1.7 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG043223.D
Acq: 15 Oct 2019 17:54

Tgt Ion: 136 Resp: 196045
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 7.9 7.4 11.2
68 4.1 3.6 5.4

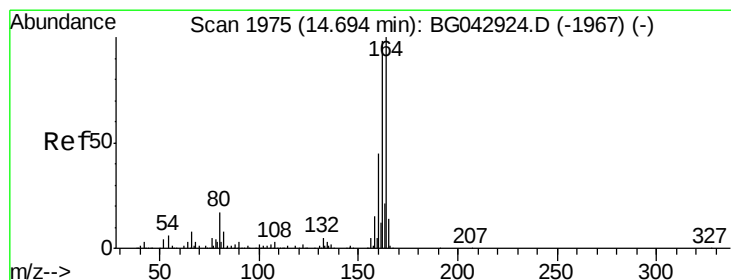
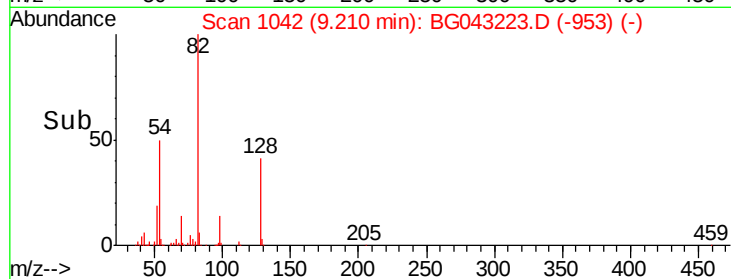
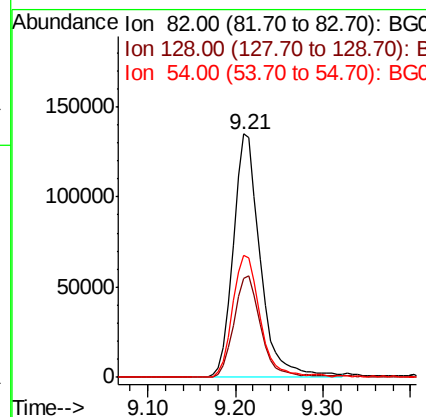
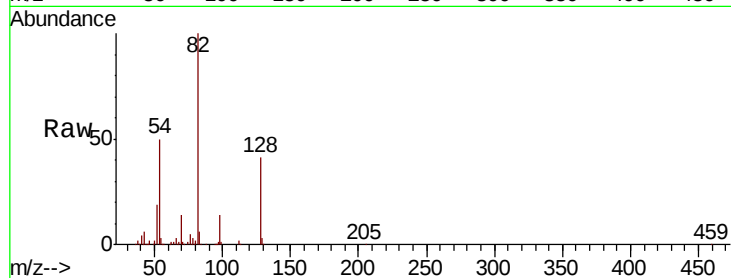




#23
Nitrobenzene-d5
Concen: 70.451 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG043223.D
Acq: 15 Oct 2019 17:54

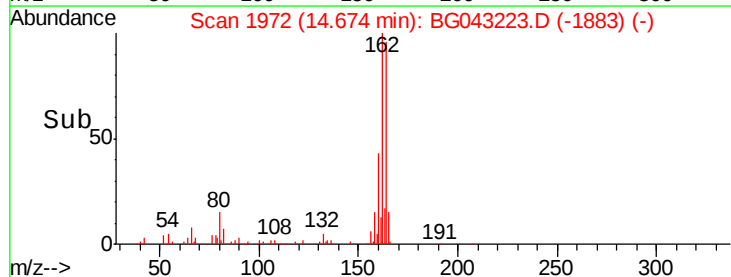
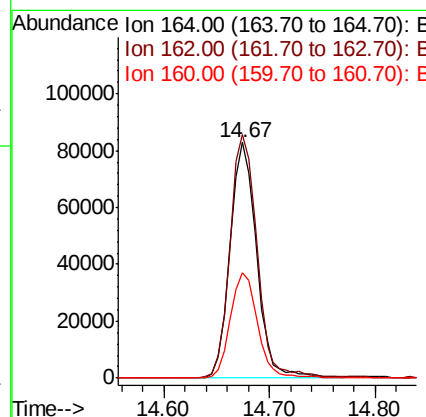
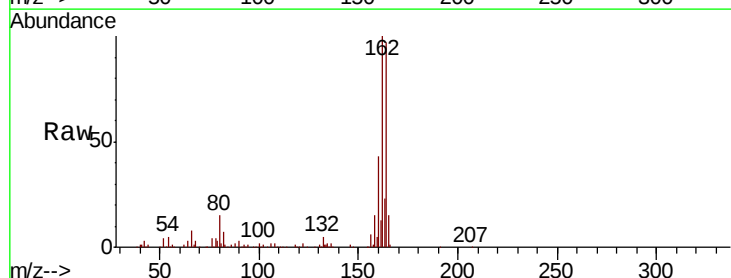
Instrument :
BNA_G
ClientSampleId :

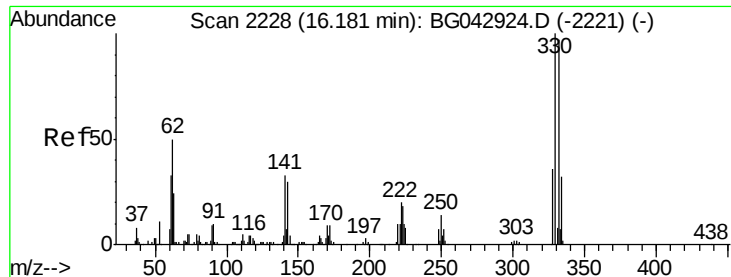
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.9	29.5	44.3
54	50.1	44.6	67.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG043223.D
Acq: 15 Oct 2019 17:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	78.5	117.7
160	45.0	35.9	53.9

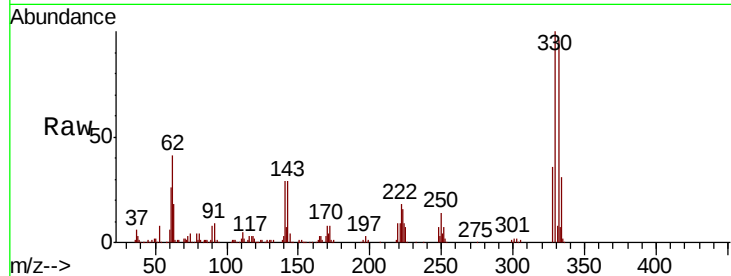




#42
 2,4,6-Tribromophenol
 Concen: 104.721 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG043223.D
 Acq: 15 Oct 2019 17:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.2	117.2
141	27.4	26.0	39.0

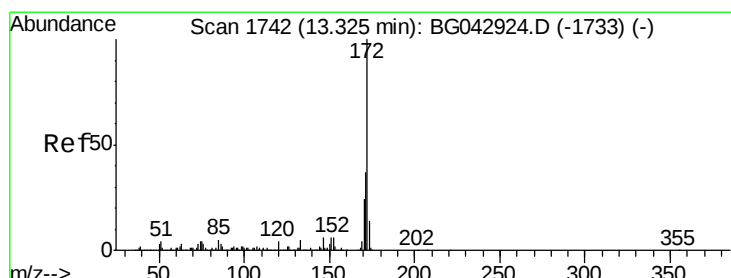
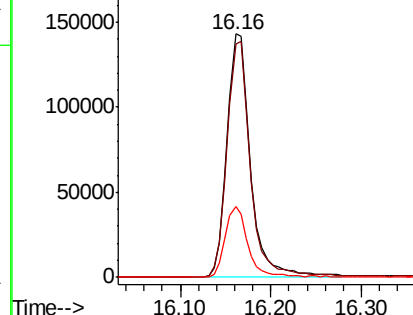
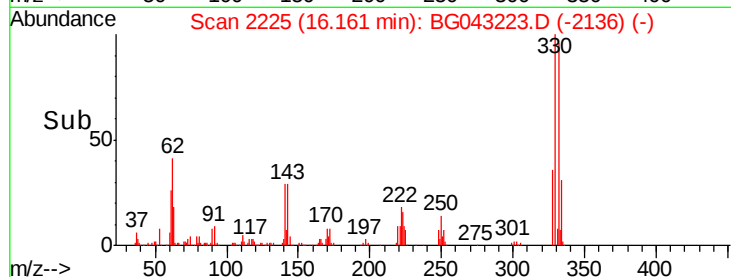


Abundance

Ion 329.80 (329.50 to 330.50): E

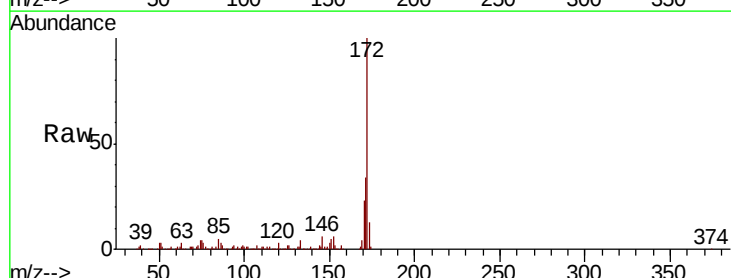
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 75.251 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.01 min
 Lab File: BG043223.D
 Acq: 15 Oct 2019 17:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.6	44.4
170	23.2	19.6	29.4

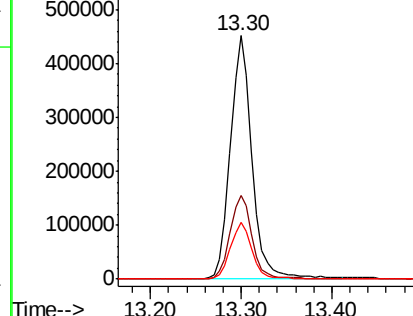
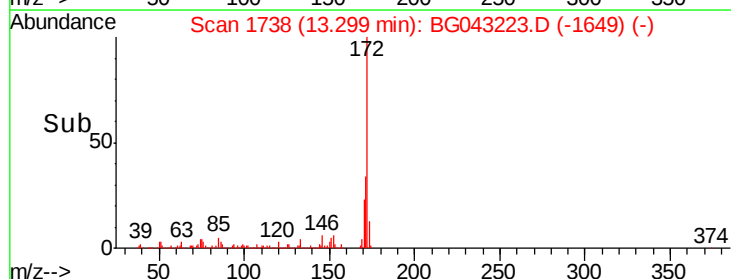


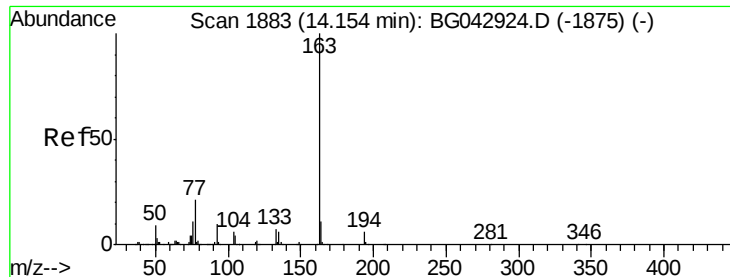
Abundance

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

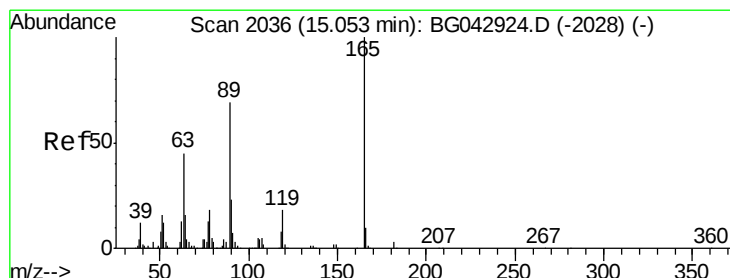
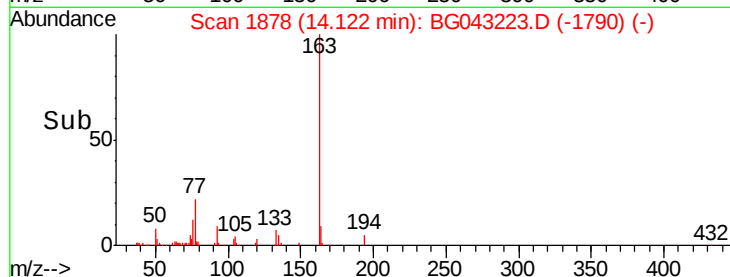
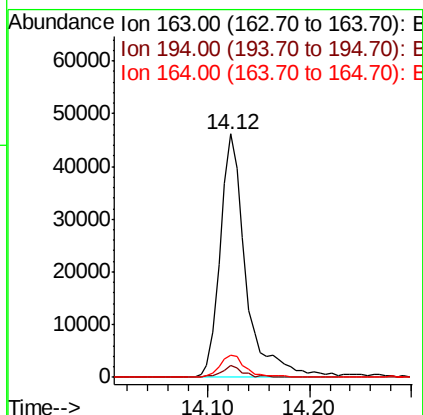
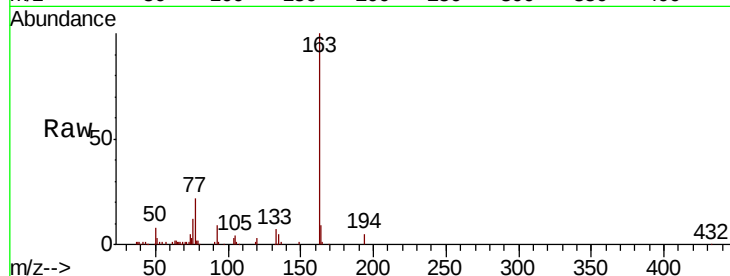




#50
Dimethylphthalate
Concen: 7.513 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG043223.D
Acq: 15 Oct 2019 17:54

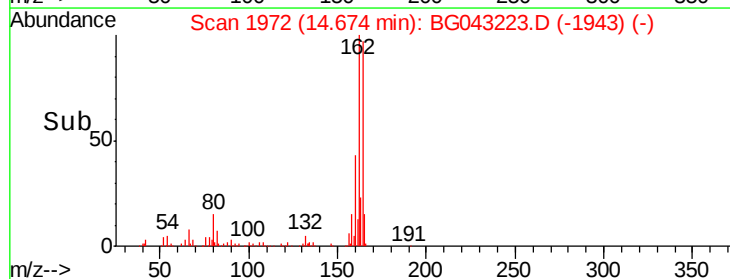
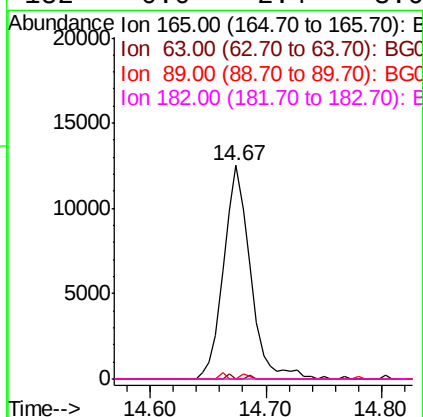
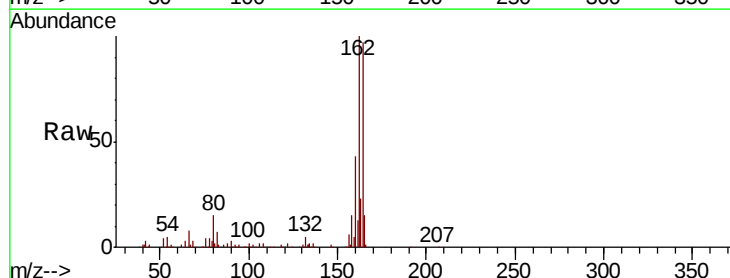
Instrument :
BNA_G
ClientSampleId :

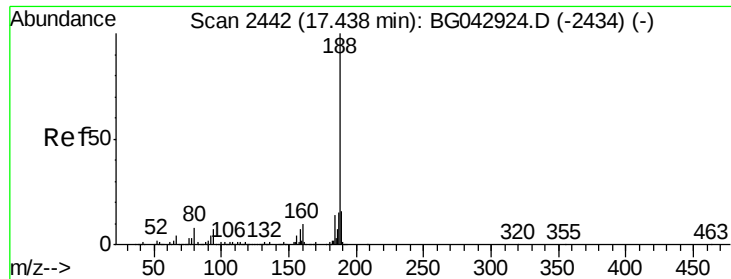
Tot Ion	163	Resp	81186
Ion Ratio	Lower	Upper	
163	100		
194	4.8	4.4	6.6
164	9.2	8.6	12.8



#57
2,4-Dinitrotoluene
Concen: 5.974 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG043223.D
Acq: 15 Oct 2019 17:54

Tgt Ion	165	Resp	20131
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.5	54.7#
89	0.0	55.5	83.3#
182	0.0	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. 0.01 min

Lab File: BG043223.D

Acq: 15 Oct 2019 17:54

Instrument :

BNA_G

ClientSampleId :

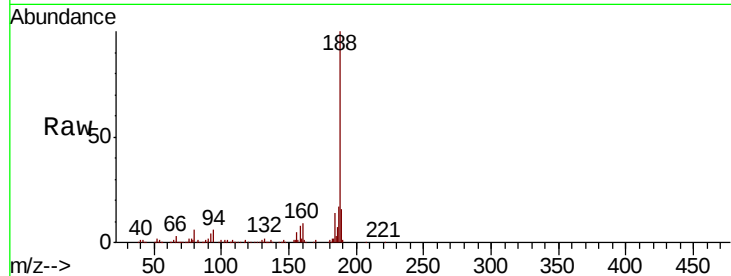
Tot Ion:188 Resp: 324580

Ion Ratio Lower Upper

188 100

94 6.4 5.7 8.5

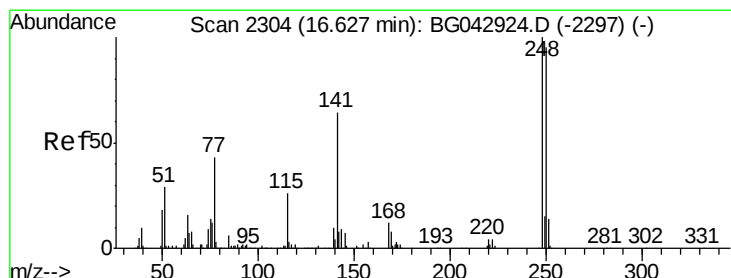
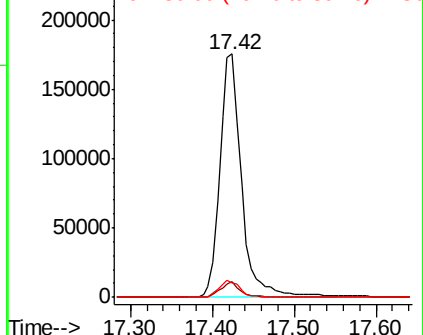
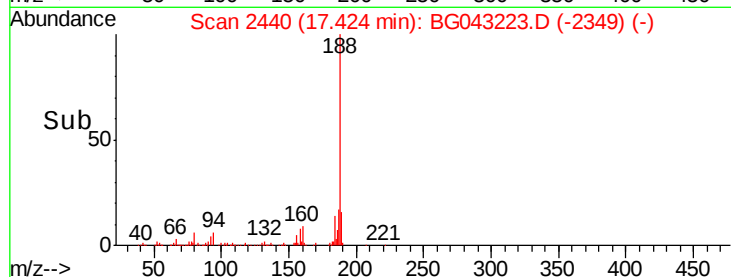
80 6.1 6.5 9.7#



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: 4.365 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.45 min

Lab File: BG043223.D

Acq: 15 Oct 2019 17:54

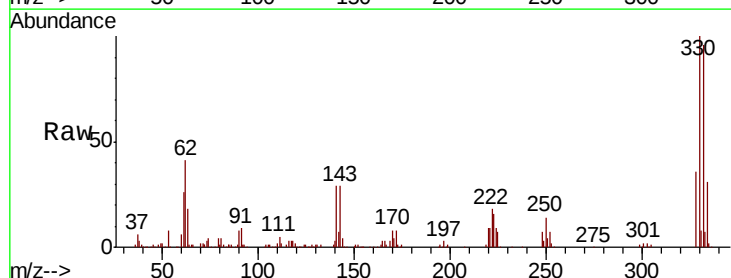
Tgt Ion:248 Resp: 17783

Ion Ratio Lower Upper

248 100

250 196.5 75.8 113.8#

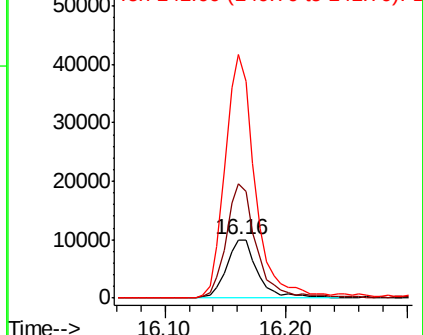
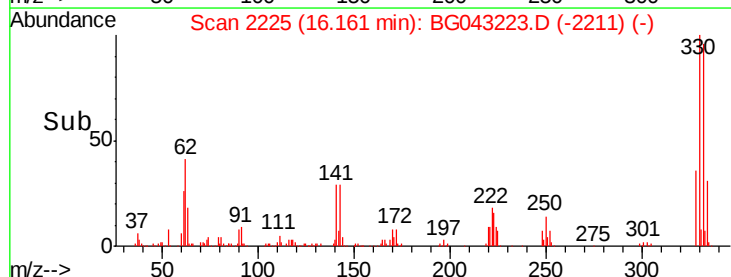
141 419.5 51.1 76.7#

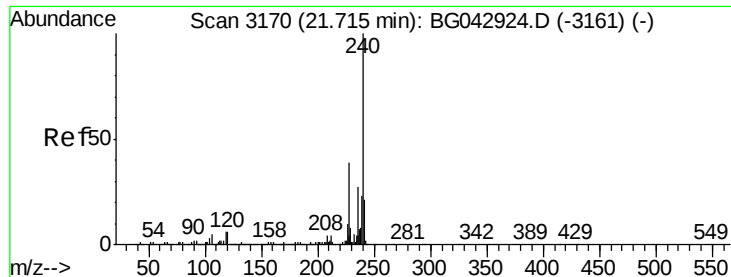


Abundance Ion 248.00 (247.70 to 248.70): E

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. 0.01 min

Lab File: BG043223.D

Acq: 15 Oct 2019 17:54

Instrument :

BNA_G

ClientSampleId :

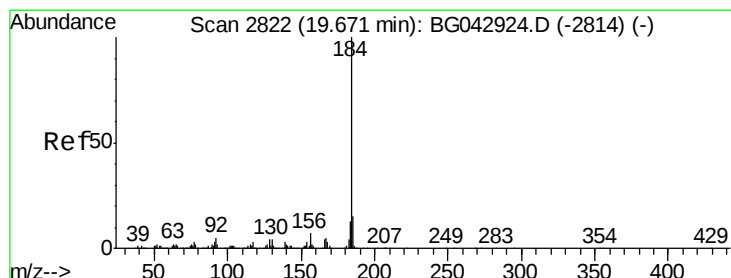
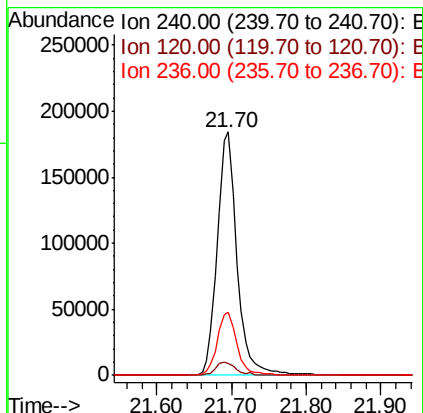
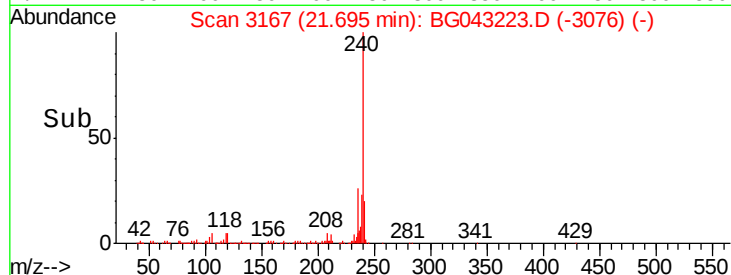
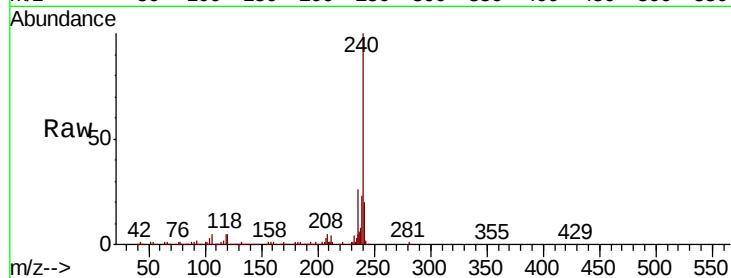
Tot Ion:240 Resp: 338845

Ion Ratio Lower Upper

240 100

120 5.1 4.8 7.2

236 26.0 21.4 32.0



#77

Benzidine

Concen: 2.301 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.37 min

Lab File: BG043223.D

Acq: 15 Oct 2019 17:54

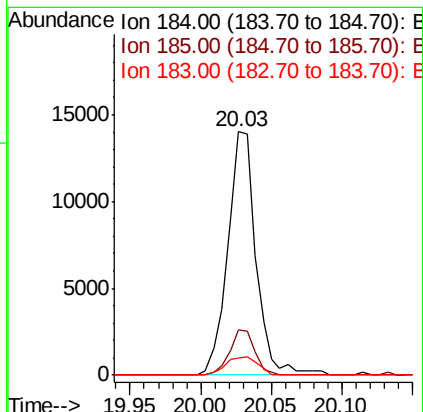
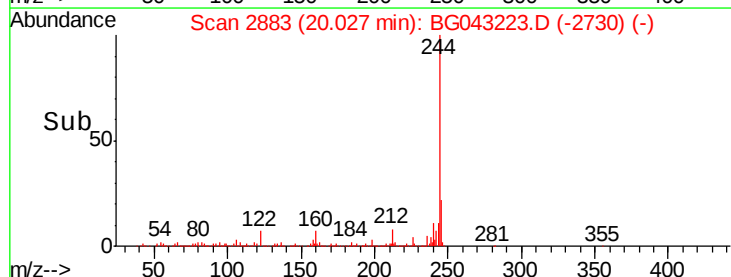
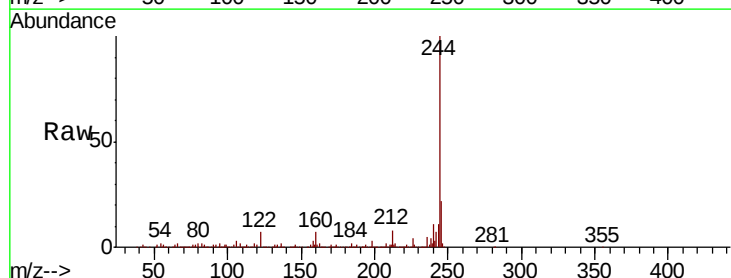
Tgt Ion:184 Resp: 19523

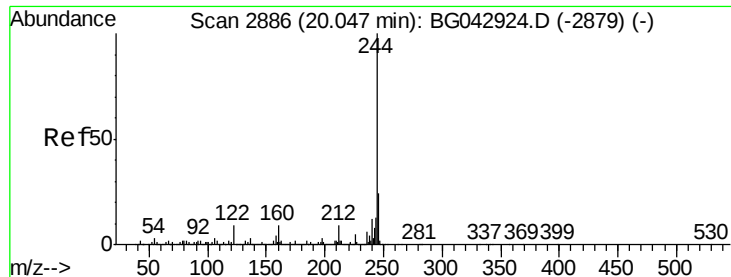
Ion Ratio Lower Upper

184 100

185 18.6 11.8 17.8#

183 7.2 10.1 15.1#





#79

Terphenyl-d14

Concen: 81.918 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG043223.D

Acq: 15 Oct 2019 17:54

Instrument :

BNA_G

ClientSampleId :

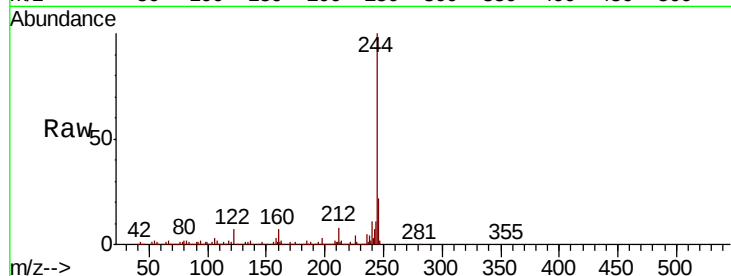
Tot Ion:244 Resp: 1302638

Ion Ratio Lower Upper

244 100

212 7.8 7.4 11.0

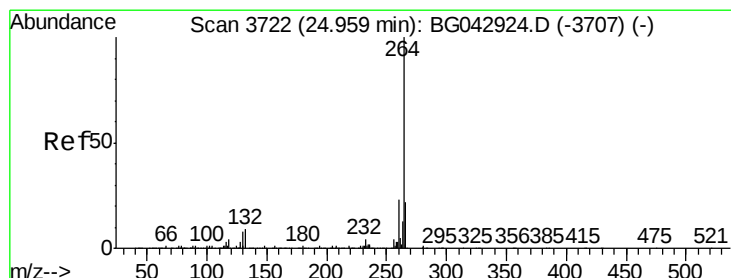
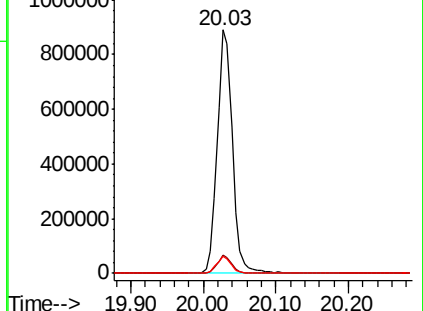
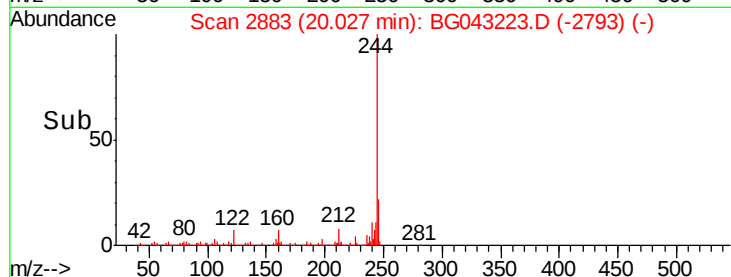
122 7.2 7.0 10.4



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: 24.92 min Scan# 3715

Delta R.T. 0.01 min

Lab File: BG043223.D

Acq: 15 Oct 2019 17:54

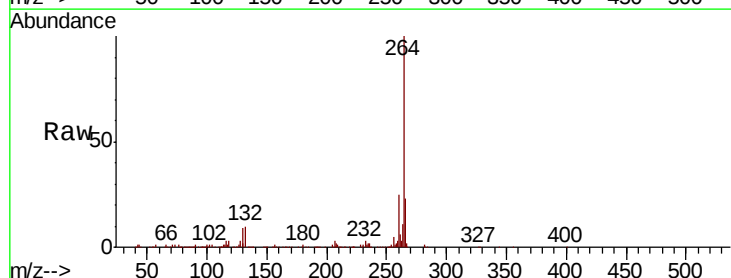
Tgt Ion:264 Resp: 391348

Ion Ratio Lower Upper

264 100

260 24.9 18.7 28.1

265 23.3 17.7 26.5



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

