

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043225.D
 Acq On : 15 Oct 2019 19:10
 Operator : JU
 Sample : K5325-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 01:17:54 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

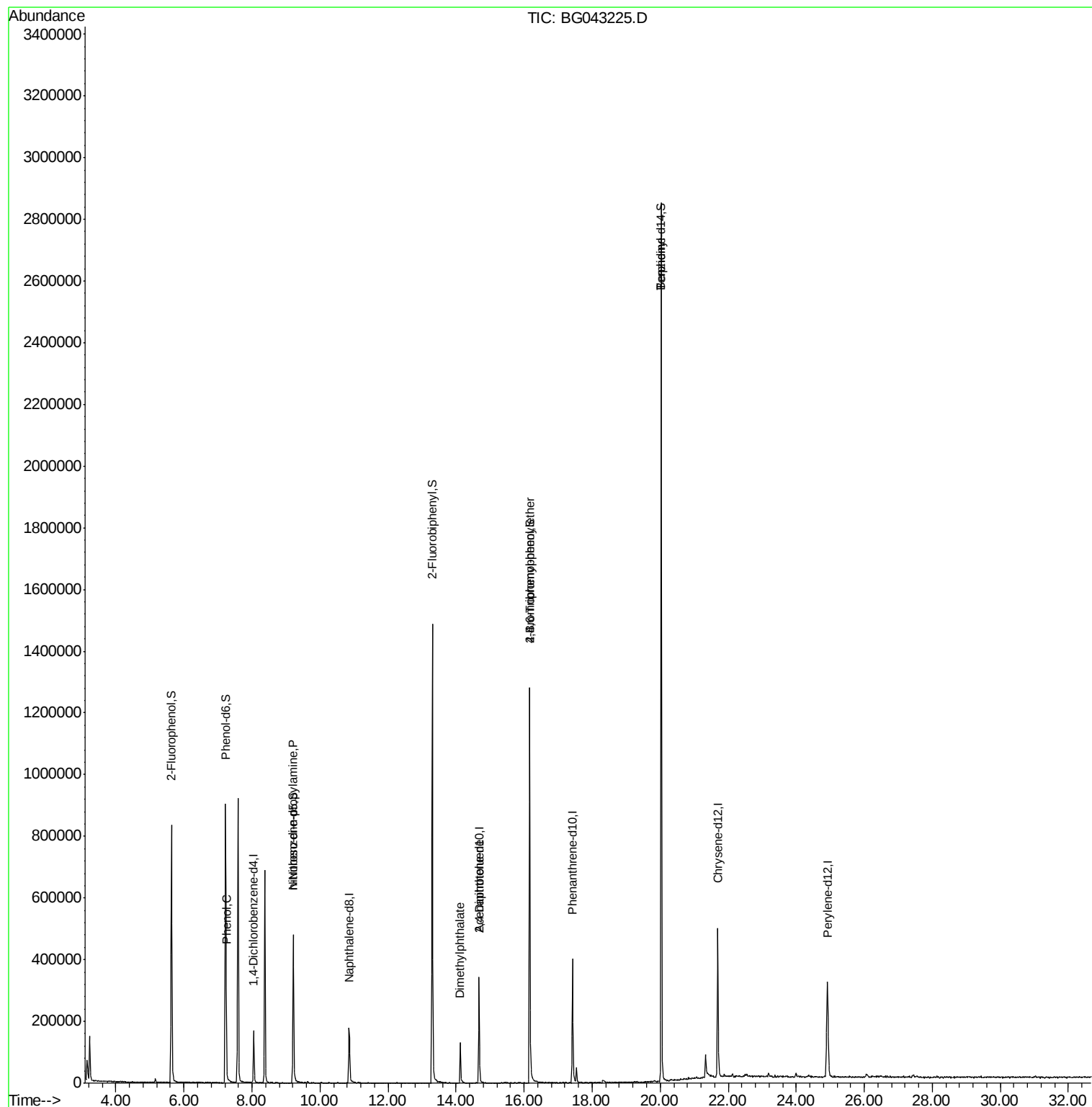
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	49799	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	188017	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	135246	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	312254	20.00	ng	0.00
76) Chrysene-d12	21.70	240	337558	20.00	ng	0.00
87) Perylene-d12	24.92	264	395325	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	380316	136.29	ng	0.00
7) Phenol-d6	7.22	99	557380	138.71	ng	0.00
23) Nitrobenzene-d5	9.21	82	338950	87.62	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	321128	138.08	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	864887	92.71	ng	0.00
79) Terphenyl-d14	20.03	244	1527833	96.45	ng	0.00
Target Compounds						
10) Phenol	7.25	94	14711	3.990	ng	# 71
19) n-Nitroso-di-n-propylamine	9.21	70	46182	17.502	ng	# 71
50) Dimethylphthalate	14.12	163	104257	10.288	ng	# 95
57) 2,4-Dinitrotoluene	14.67	165	18179	5.753	ng	# 24
67) 4-Bromophenyl-phenylether	16.16	248	20552	5.244	ng	# 1
77) Benzidine	20.03	184	22346	2.644	ng	# 94

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

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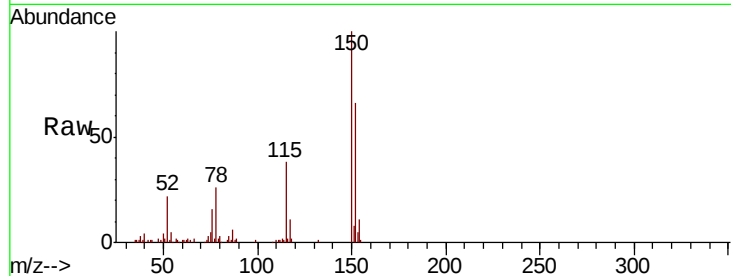


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG043225.D
Acq: 15 Oct 2019 19:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	115.0	172.4
115	57.6	47.0	70.6

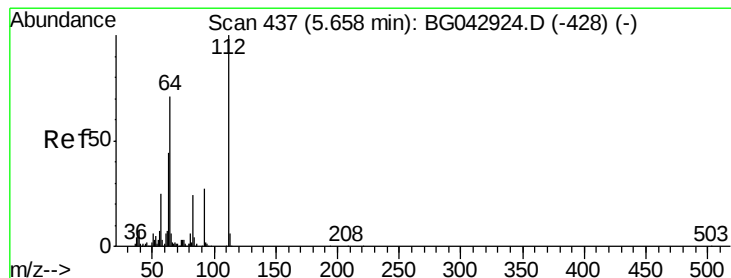
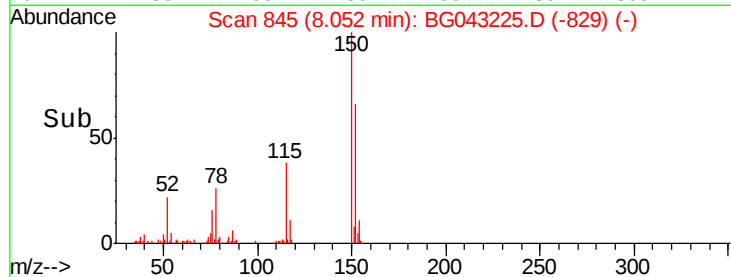
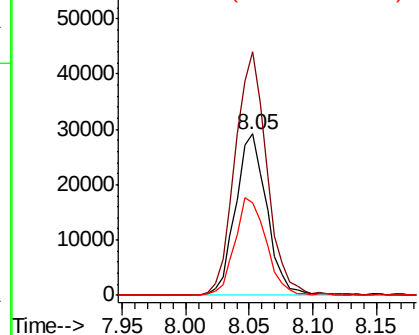


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

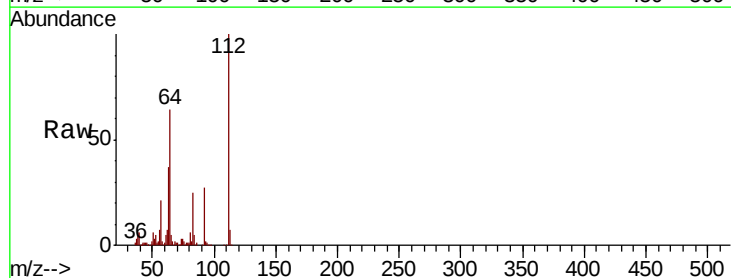
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 136.292 ng
RT: 5.63 min Scan# 433
Delta R.T. -0.01 min
Lab File: BG043225.D
Acq: 15 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	56.6	84.8
63	37.1	35.1	52.7

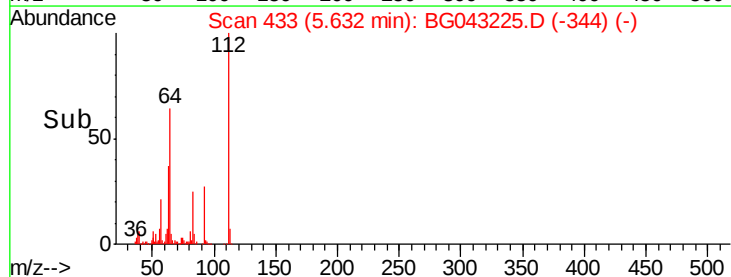
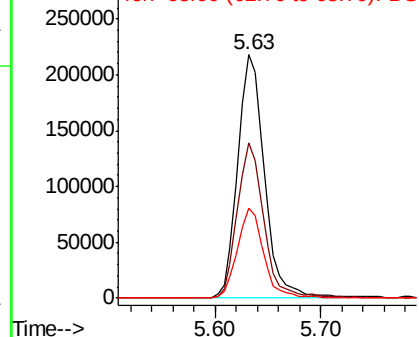


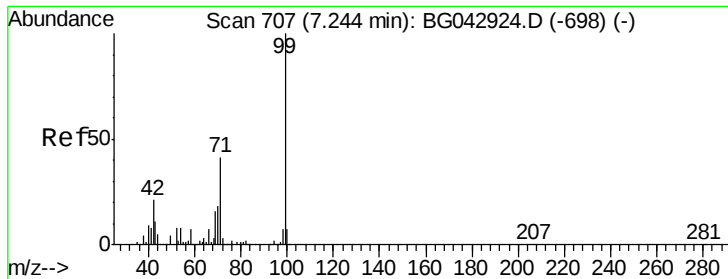
Abundance

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: 138.706 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG043225.D

Acq: 15 Oct 2019 19:10

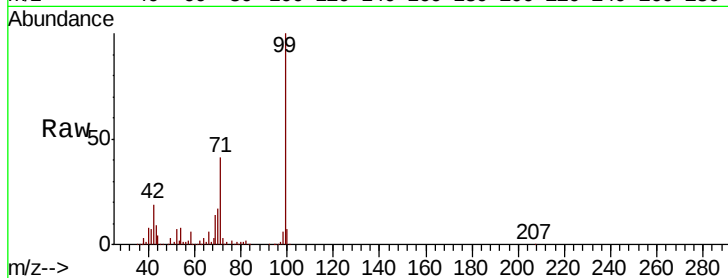
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 557380

Ion	Ratio	Lower	Upper
99	100		
42	18.5	17.2	25.8
71	40.8	33.1	49.7

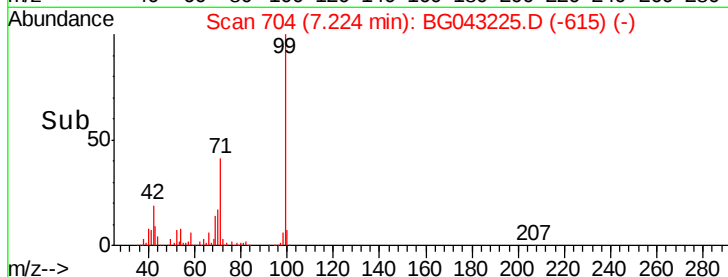


Abundance

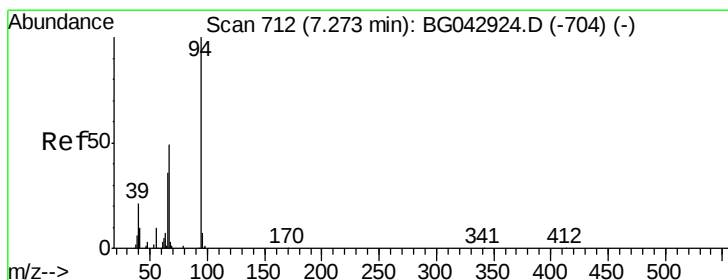
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



7.22



#10

Phenol

Concen: 3.990 ng

RT: 7.25 min Scan# 708

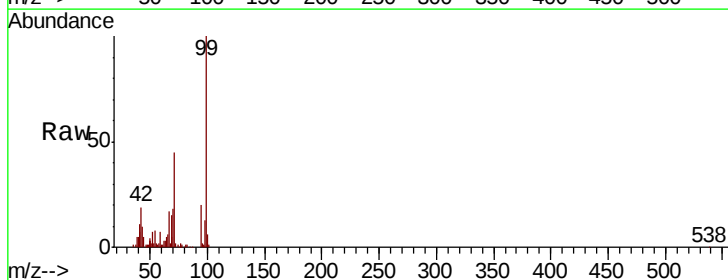
Delta R.T. -0.01 min

Lab File: BG043225.D

Acq: 15 Oct 2019 19:10

Tgt Ion: 94 Resp: 14711

Ion	Ratio	Lower	Upper
94	100		
65	32.2	16.6	56.6
66	83.3	32.4	72.4#

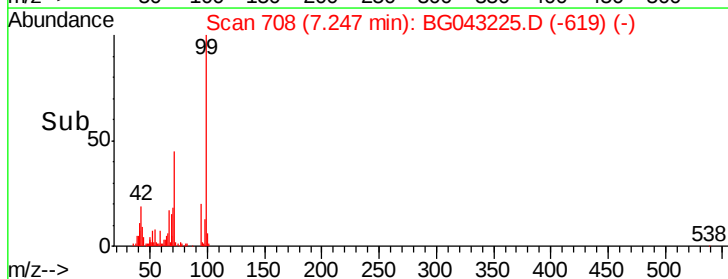


Abundance

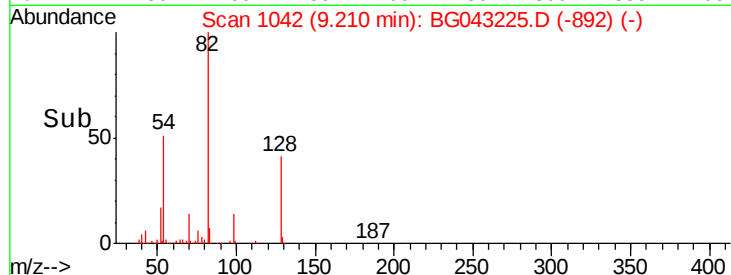
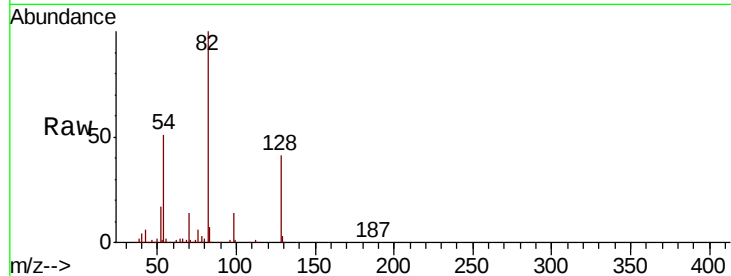
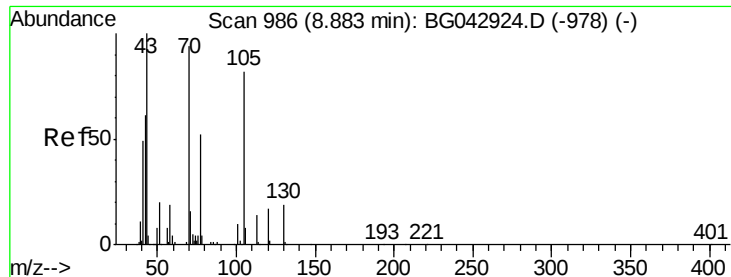
Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



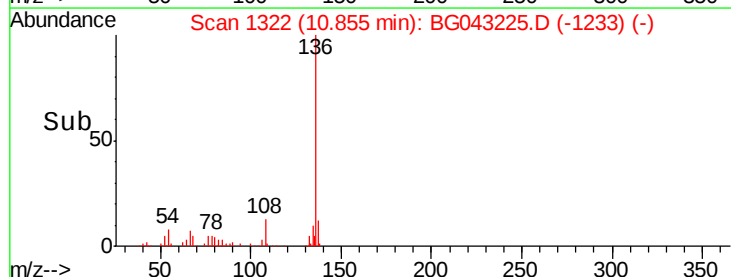
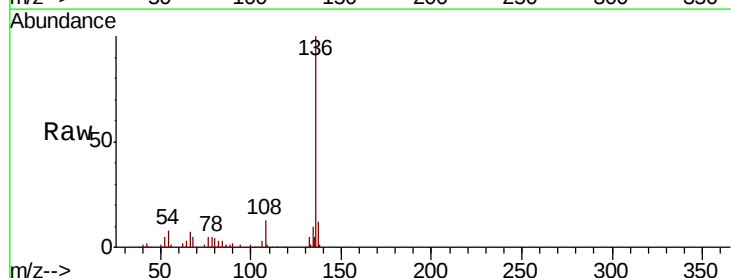
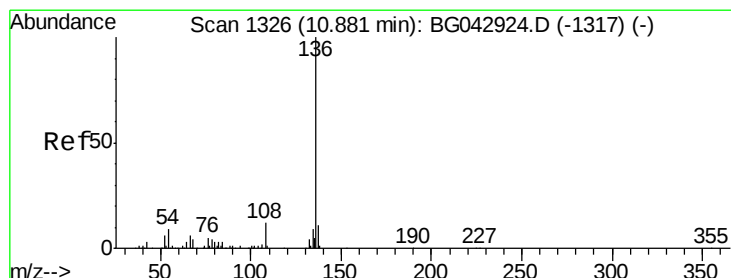
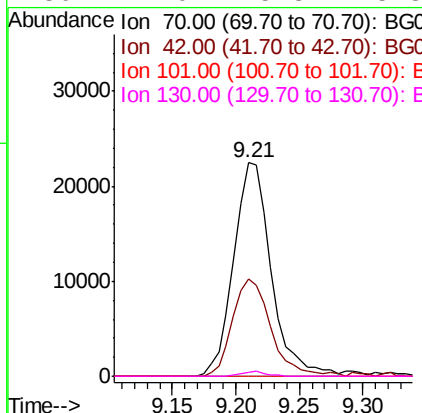
7.25



#19
n-Nitroso-di-n-propylamine
Concen: 17.502 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.35 min
Lab File: BG043225.D
Acq: 15 Oct 2019 19:10

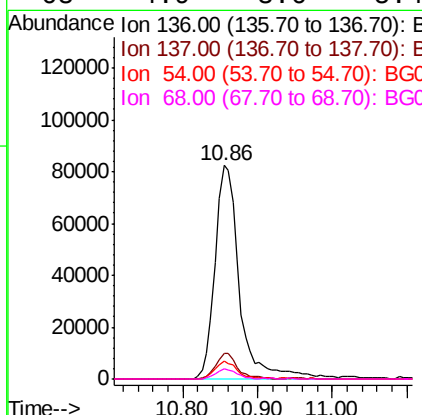
Instrument :
BNA_G
ClientSampleId :

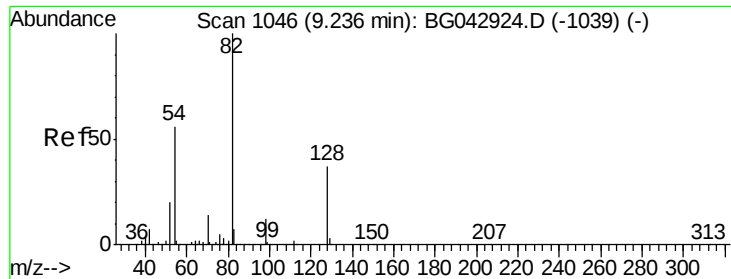
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.4	52.6	79.0#
101	0.0	8.7	13.1#
130	2.0	15.8	23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG043225.D
Acq: 15 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.5	12.7
54	8.1	7.4	11.2
68	4.9	3.6	5.4

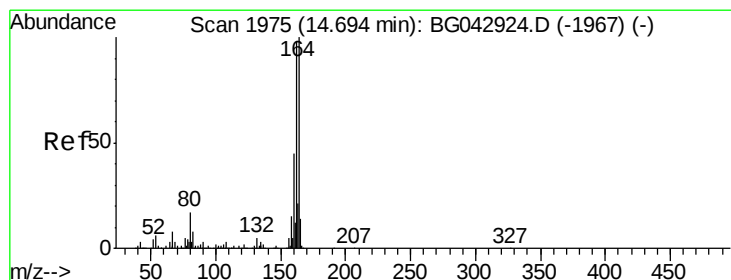
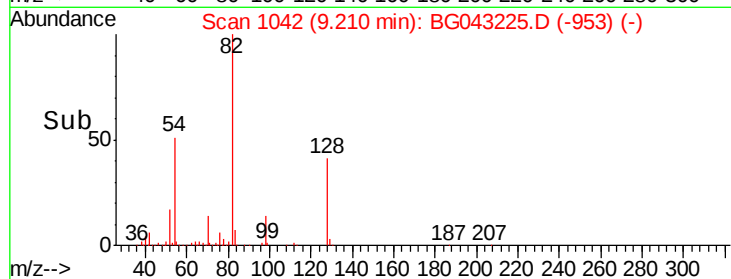
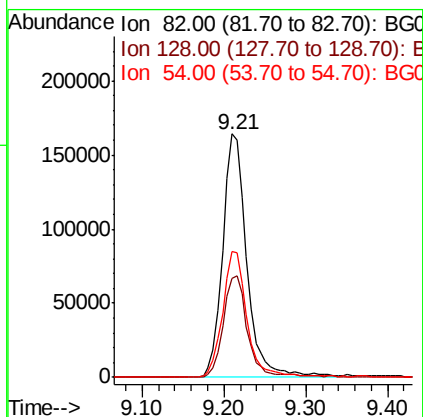
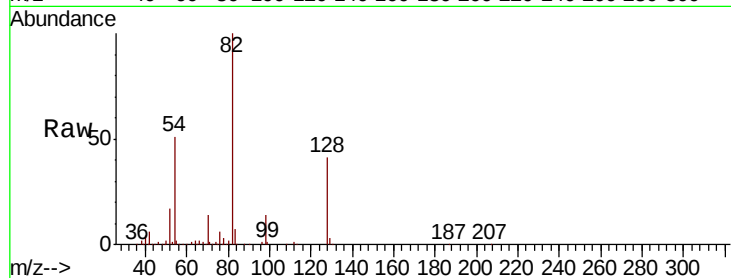




#23
 Nitrobenzene-d5
 Concen: 87.624 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BG043225.D
 Acq: 15 Oct 2019 19:10

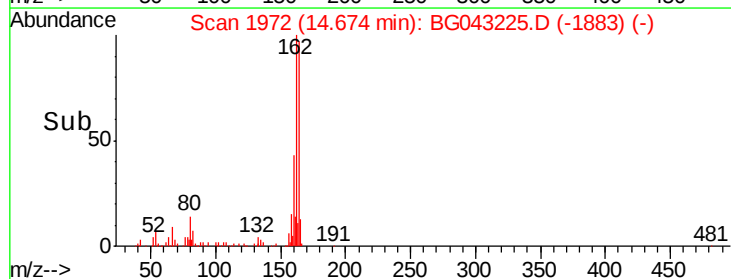
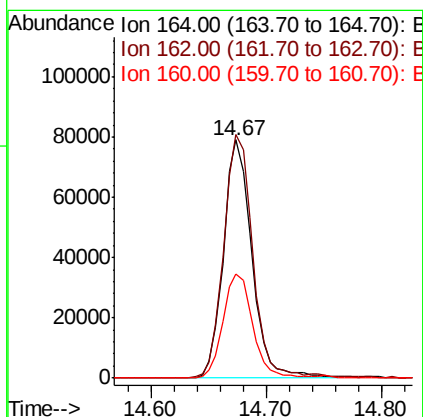
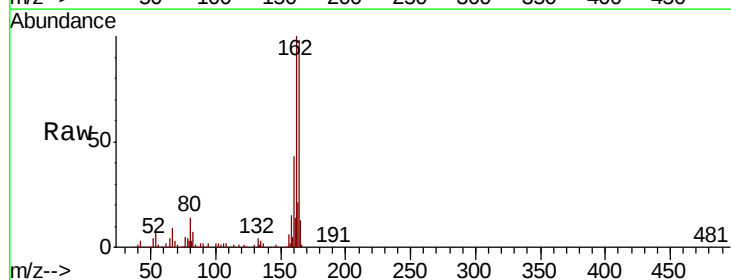
Instrument :
 BNA_G
 ClientSampleId :

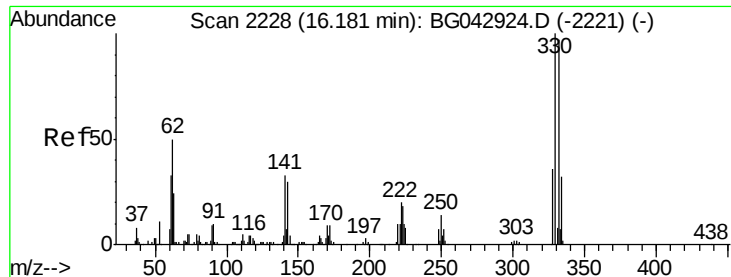
Tot Ion	82	Resp	338950
Ion Ratio	Lower	Upper	
82	100		
128	40.8	29.5	44.3
54	51.4	44.6	67.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BG043225.D
 Acq: 15 Oct 2019 19:10

Tgt Ion	164	Resp	135246
Ion Ratio	Lower	Upper	
164	100		
162	102.2	78.5	117.7
160	43.8	35.9	53.9

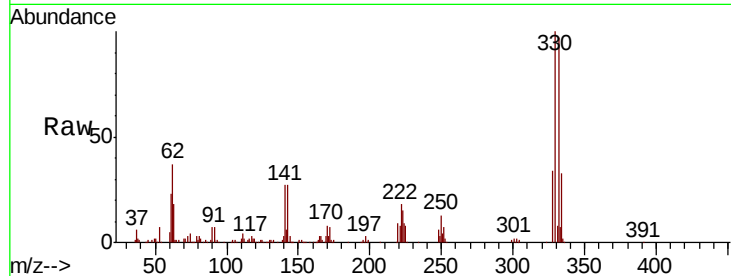




#42
 2,4,6-Tribromophenol
 Concen: 138.082 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BG043225.D
 Acq: 15 Oct 2019 19:10

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	78.2	117.2
141	27.7	26.0	39.0

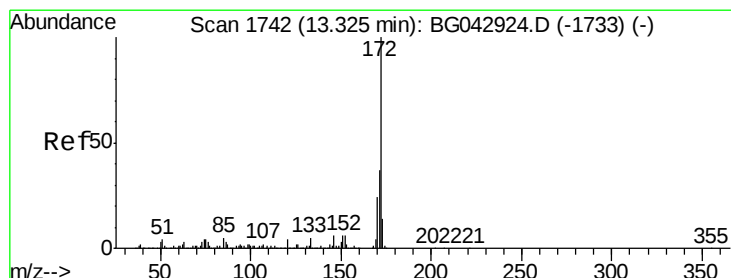
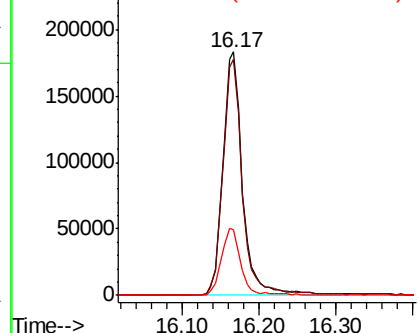
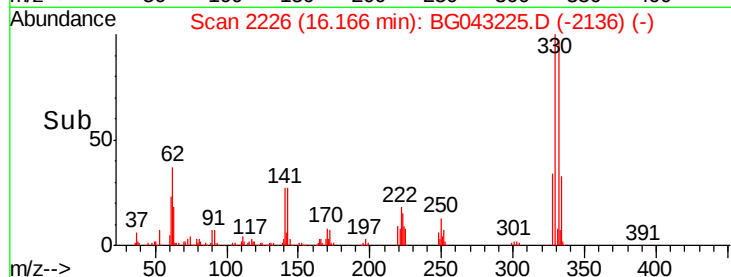


Abundance

Ion 329.80 (329.50 to 330.50): E

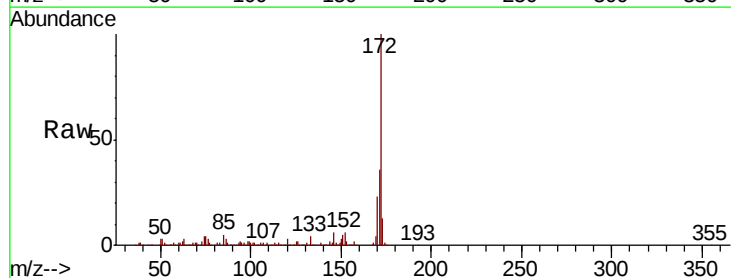
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.707 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.01 min
 Lab File: BG043225.D
 Acq: 15 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.3	19.6	29.4

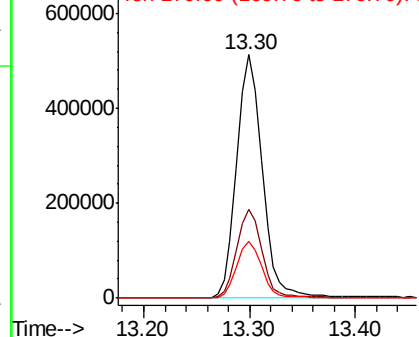
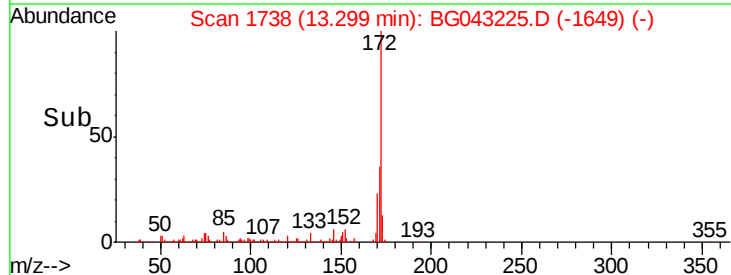


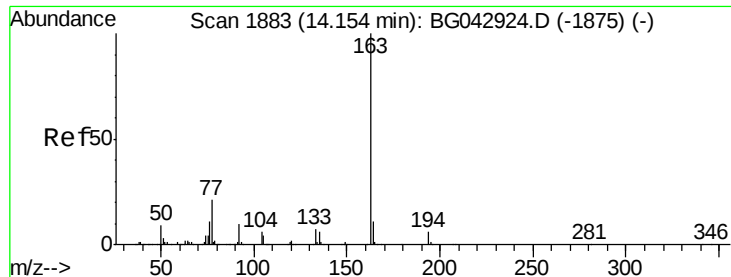
Abundance

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: 10.288 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG043225.D

Acq: 15 Oct 2019 19:10

Instrument :

BNA_G

ClientSampleId :

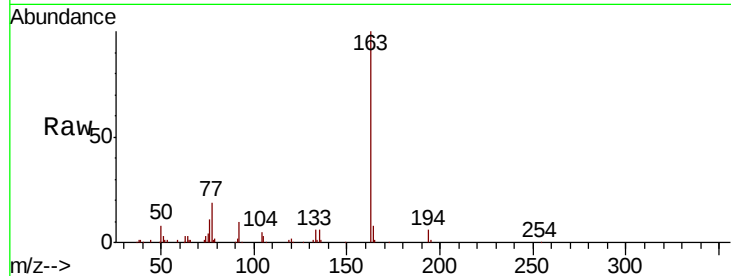
Tot Ion:163 Resp: 104257

Ion Ratio Lower Upper

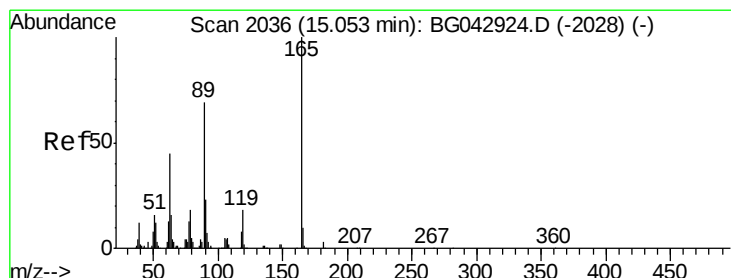
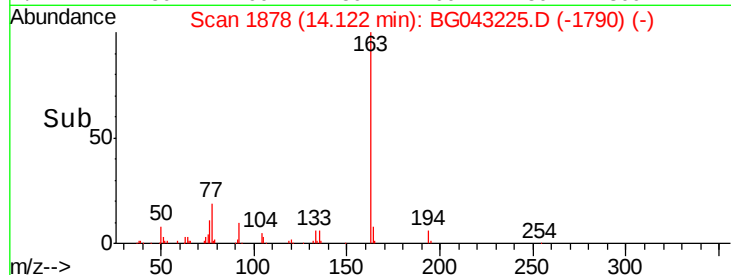
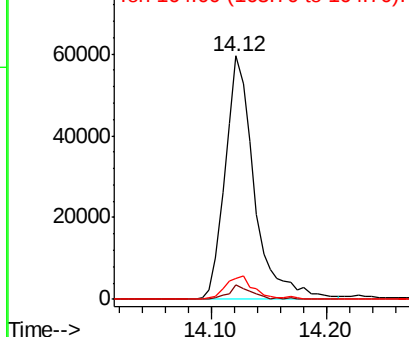
163 100

194 5.9 4.4 6.6

164 8.4 8.6 12.8#



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: 5.753 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG043225.D

Acq: 15 Oct 2019 19:10

Tgt Ion:165 Resp: 18179

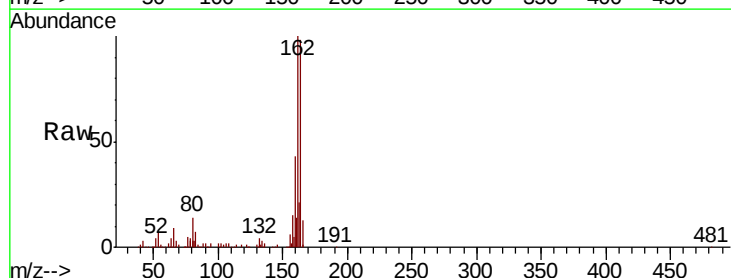
Ion Ratio Lower Upper

165 100

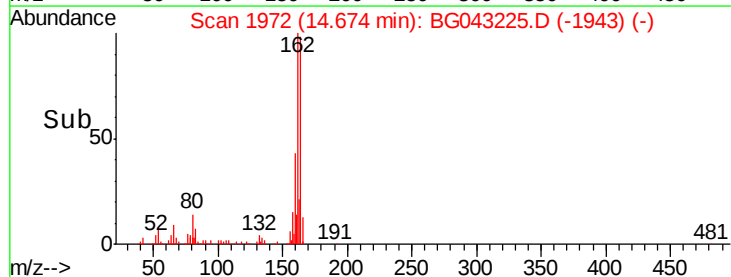
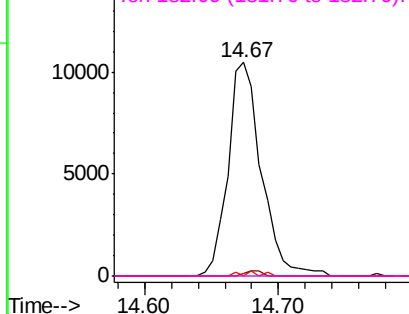
63 1.5 36.5 54.7#

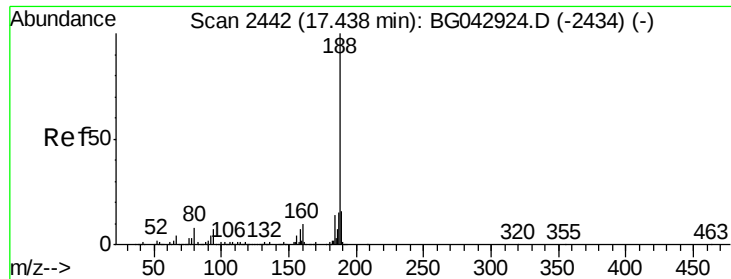
89 0.0 55.5 83.3#

182 0.0 2.4 3.6#



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. 0.01 min

Lab File: BG043225.D

Acq: 15 Oct 2019 19:10

Instrument :

BNA_G

ClientSampleId :

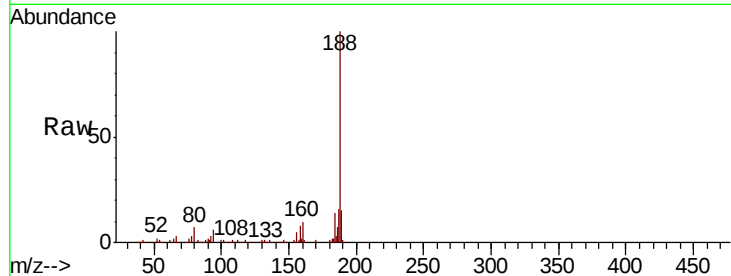
Tot Ion:188 Resp: 312254

Ion Ratio Lower Upper

188 100

94 5.6 5.7 8.5#

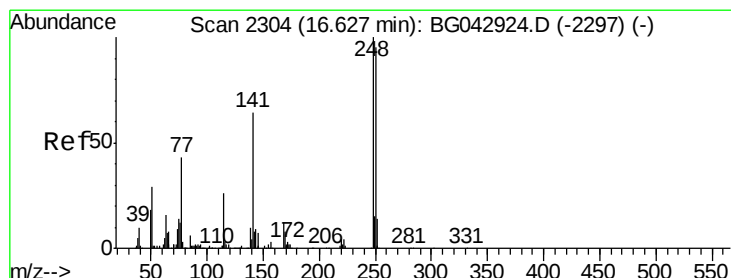
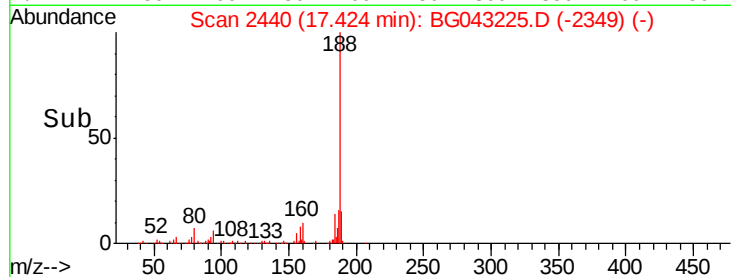
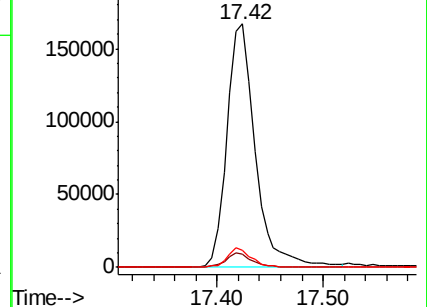
80 7.1 6.5 9.7



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: 5.244 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.45 min

Lab File: BG043225.D

Acq: 15 Oct 2019 19:10

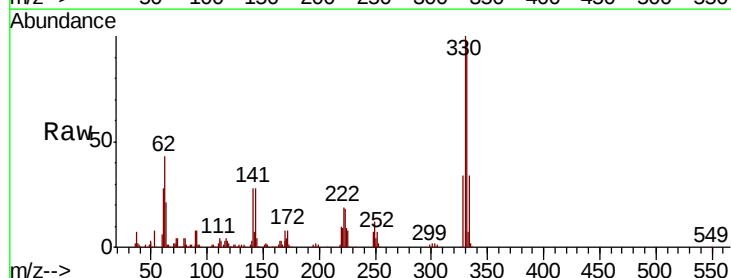
Tgt Ion:248 Resp: 20552

Ion Ratio Lower Upper

248 100

250 171.2 75.8 113.8#

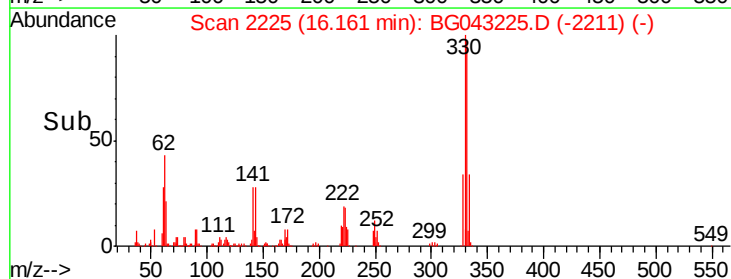
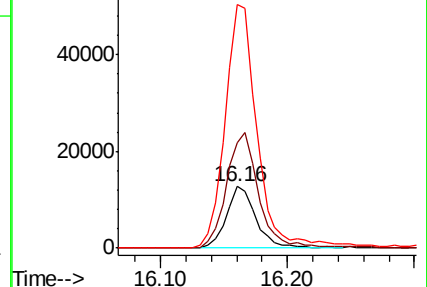
141 394.2 51.1 76.7#

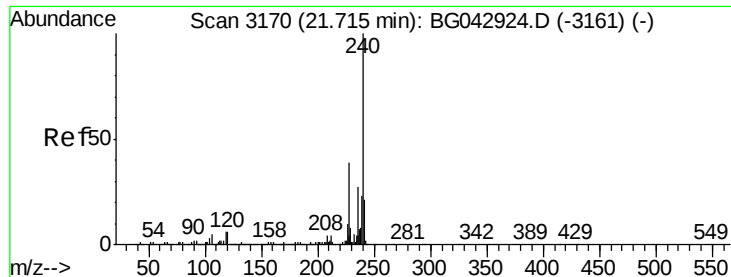


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

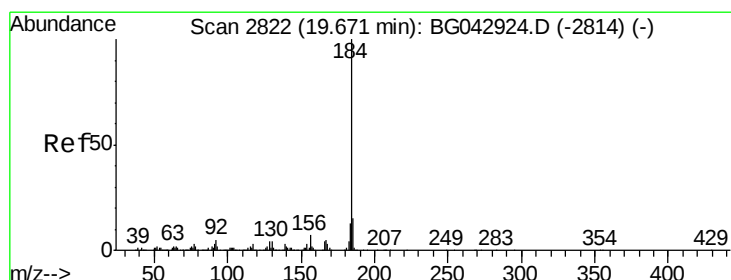
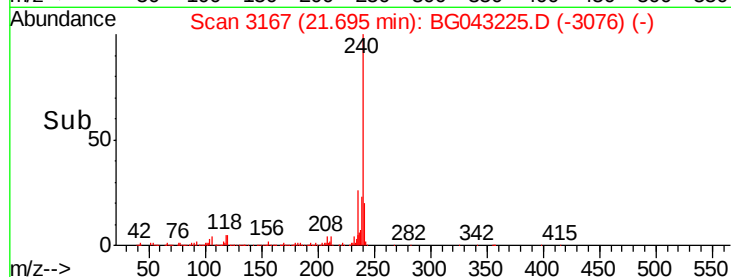
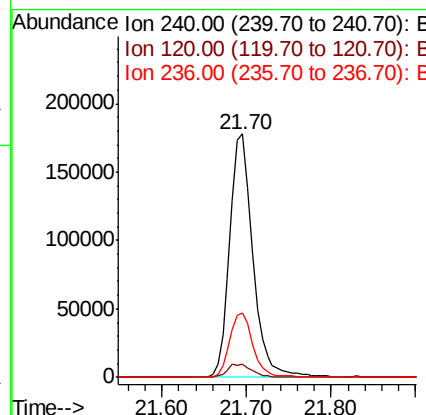
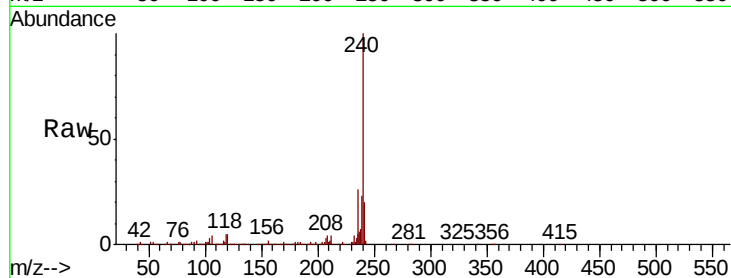




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. 0.01 min
Lab File: BG043225.D
Acq: 15 Oct 2019 19:10

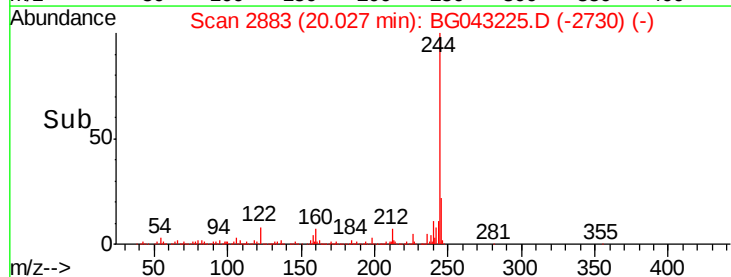
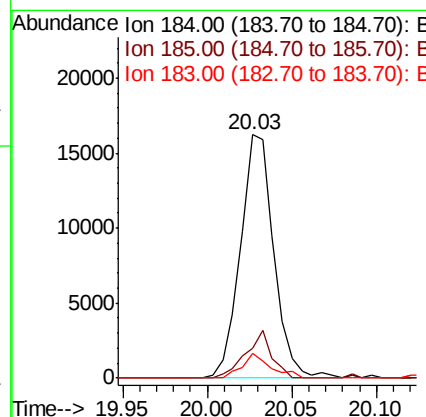
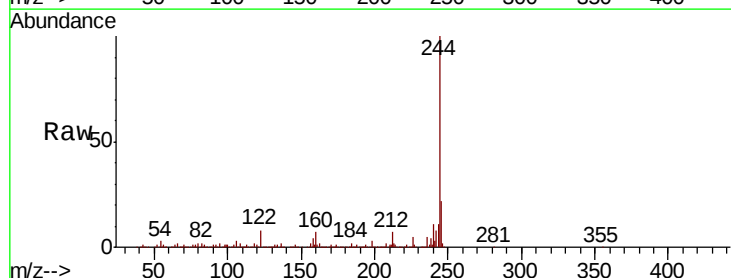
Instrument :
BNA_G
ClientSampleId :

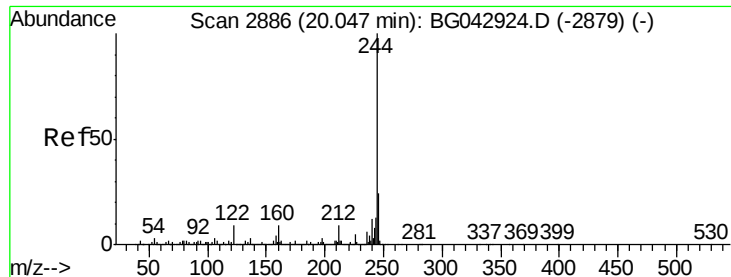
Tot Ion:240 Resp: 337558
Ion Ratio Lower Upper
240 100
120 5.4 4.8 7.2
236 26.4 21.4 32.0



#77
Benzidine
Concen: 2.644 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.37 min
Lab File: BG043225.D
Acq: 15 Oct 2019 19:10

Tgt Ion:184 Resp: 22346
Ion Ratio Lower Upper
184 100
185 12.3 11.8 17.8
183 10.0 10.1 15.1#





#79

Terphenyl-d14

Concen: 96.447 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BG043225.D

Acq: 15 Oct 2019 19:10

Instrument :

BNA_G

ClientSampleId :

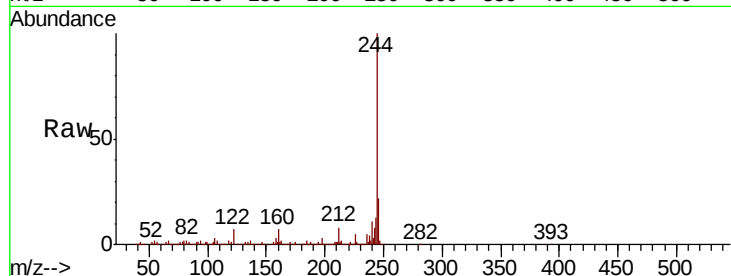
Tot Ion:244 Resp: 1527833

Ion Ratio Lower Upper

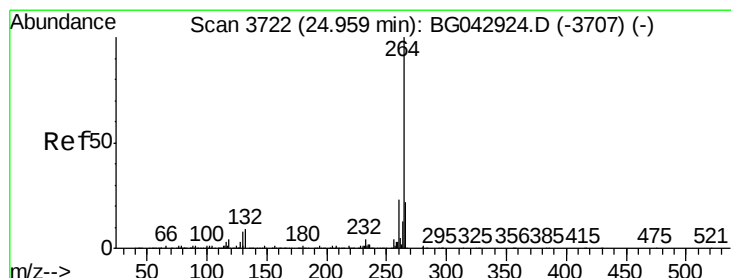
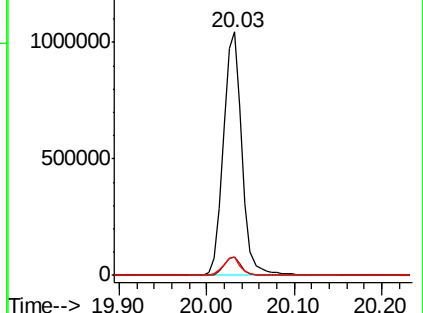
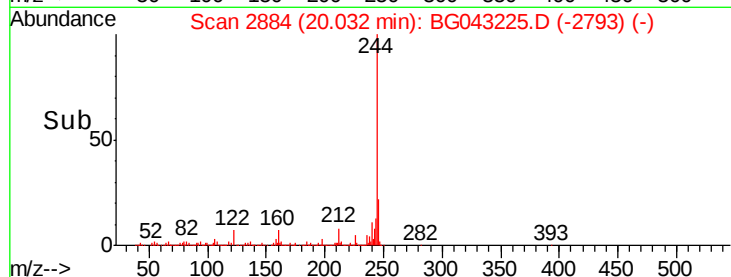
244 100

212 7.6 7.4 11.0

122 7.3 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: BG043225.D

Acq: 15 Oct 2019 19:10

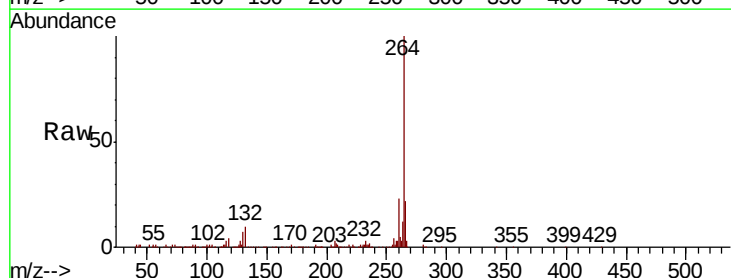
Tgt Ion:264 Resp: 395325

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 21.8 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

