

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043239.D
 Acq On : 16 Oct 2019 6:13
 Operator : JU
 Sample : K5335-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 08:15:46 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

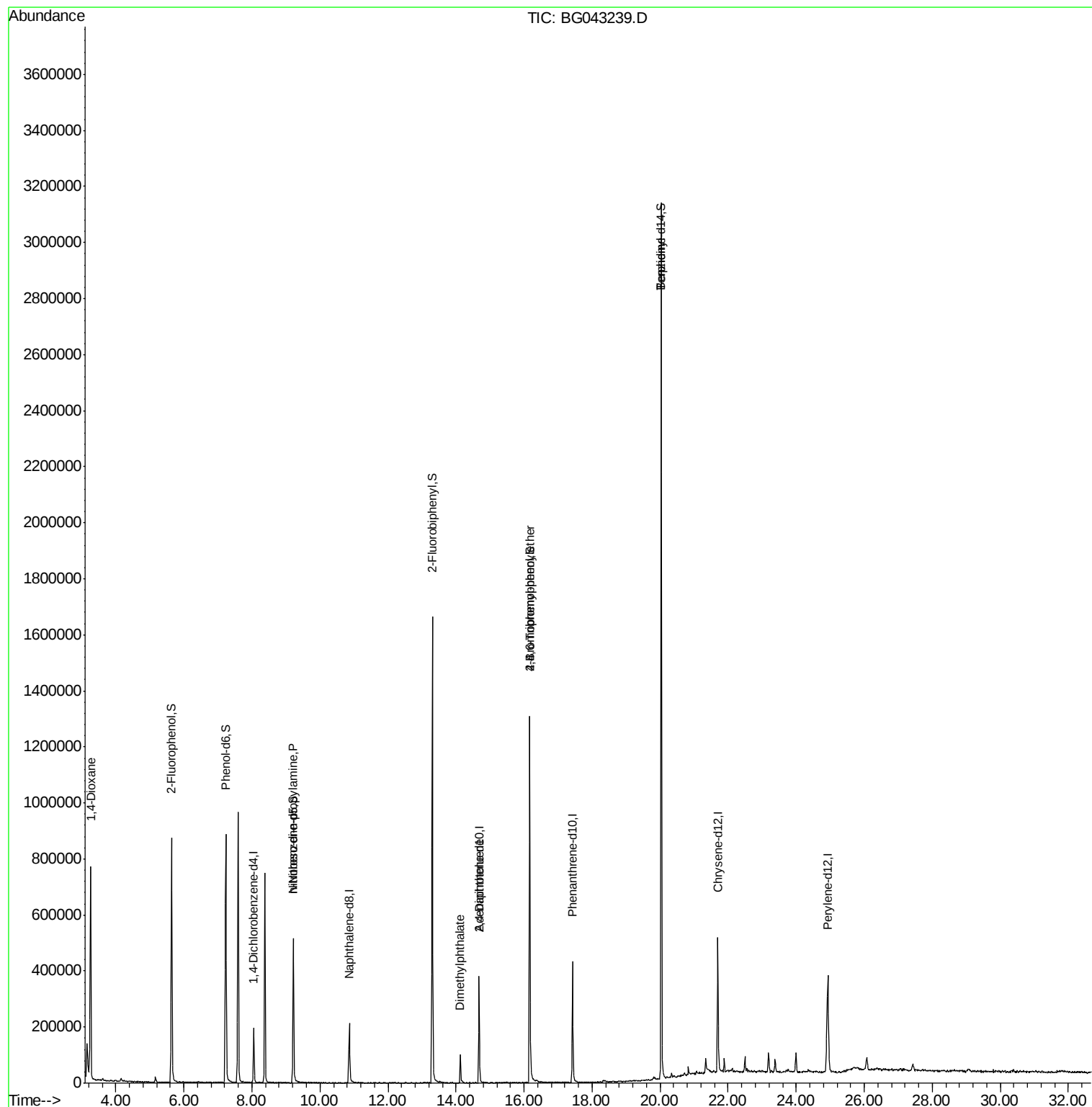
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	60159	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	209556	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	150115	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	321626	20.00	ng	0.00
76) Chrysene-d12	21.70	240	340150	20.00	ng	0.00
87) Perylene-d12	24.92	264	403287	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	406820	120.68	ng	0.00
7) Phenol-d6	7.23	99	562714	115.92	ng	0.00
23) Nitrobenzene-d5	9.22	82	361893	83.94	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	333834	129.33	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	977347	94.38	ng	0.00
79) Terphenyl-d14	20.03	244	1598365	100.13	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.25	88	7564	5.382	ng	# 1
19) n-Nitroso-di-n-propylamine	9.21	70	50849	15.952	ng	# 67
50) Dimethylphthalate	14.12	163	81566	7.252	ng	# 97
57) 2,4-Dinitrotoluene	14.68	165	19435	5.541	ng	# 24
67) 4-Bromophenyl-phenylether	16.17	248	20953	5.191	ng	# 1
77) Benzidine	20.03	184	23008	2.701	ng	96

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

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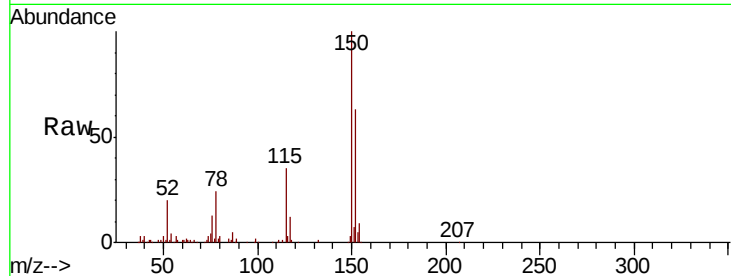


#1

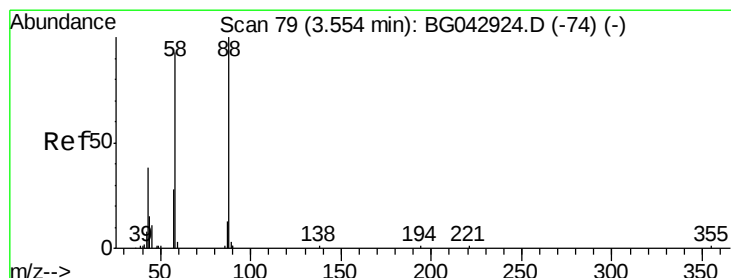
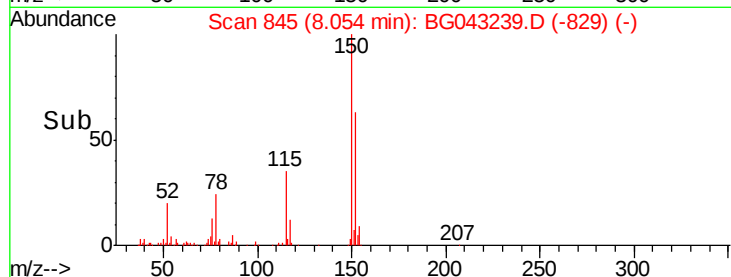
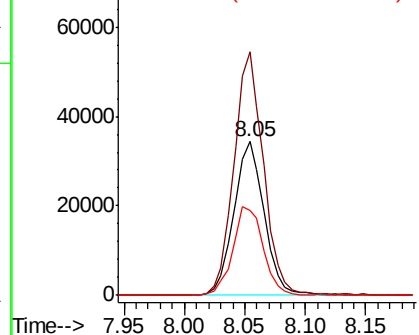
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG043239.D
Acq: 16 Oct 2019 6:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	115.0	172.4
115	55.0	47.0	70.6



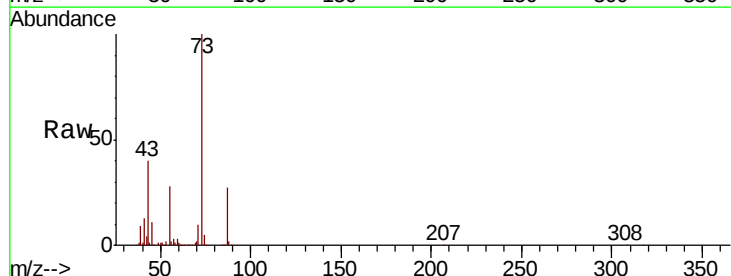
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



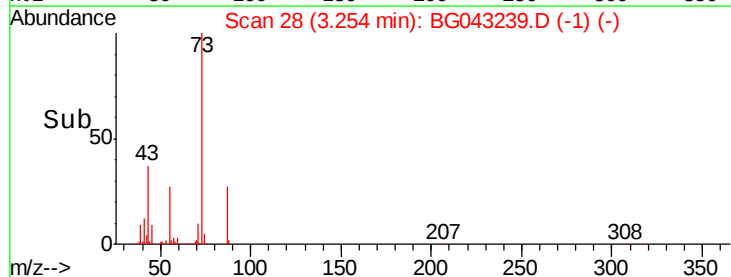
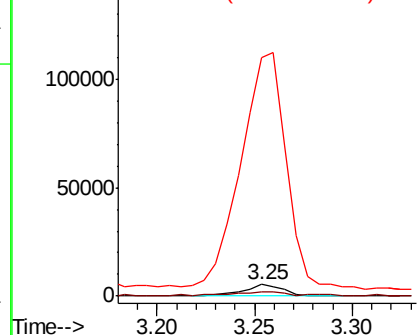
#2

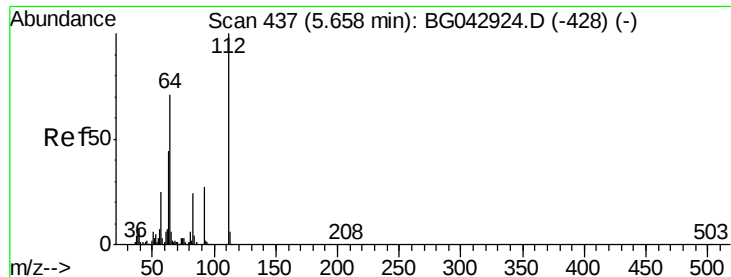
1,4-Dioxane
Concen: 5.382 ng
RT: 3.25 min Scan# 28
Delta R.T. -0.28 min
Lab File: BG043239.D
Acq: 16 Oct 2019 6:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	41.8	74.3	111.5#
43	2347.4	29.8	44.8#



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: 120.683 ng

RT: 5.64 min Scan# 434

Delta R.T. 0.00 min

Lab File: BG043239.D

Acq: 16 Oct 2019 6:13

Instrument :

BNA_G

ClientSampleId :

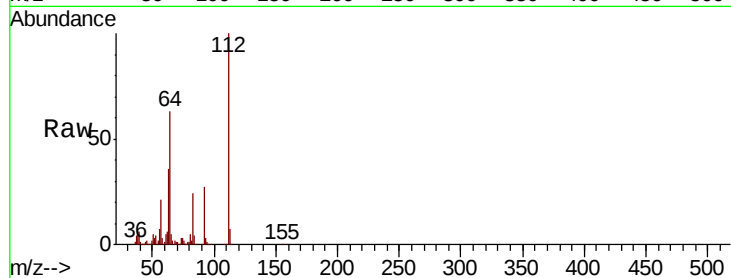
Tot Ion:112 Resp: 406820

Ion Ratio Lower Upper

112 100

64 63.1 56.6 84.8

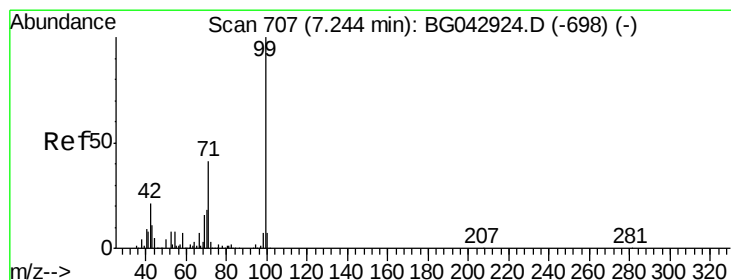
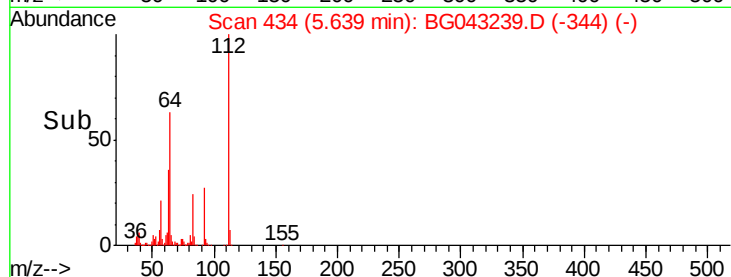
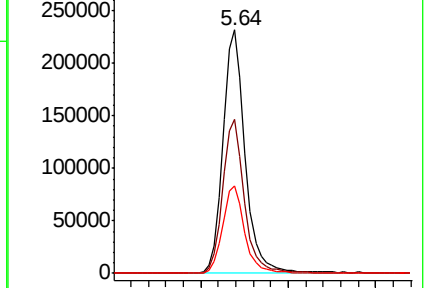
63 36.2 35.1 52.7



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: 115.919 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BG043239.D

Acq: 16 Oct 2019 6:13

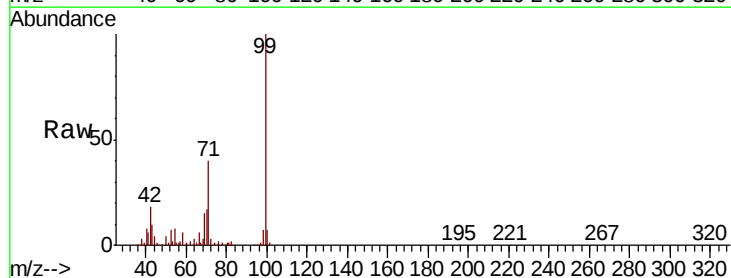
Tgt Ion: 99 Resp: 562714

Ion Ratio Lower Upper

99 100

42 18.0 17.2 25.8

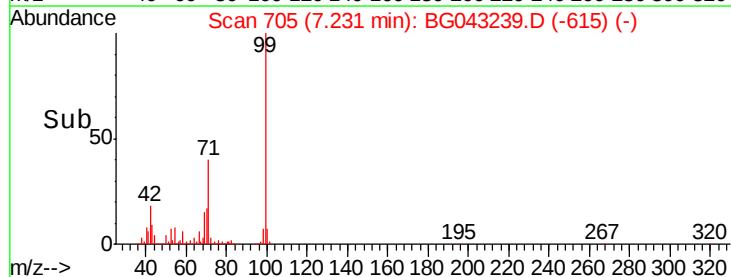
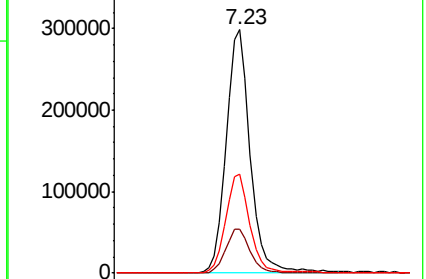
71 40.5 33.1 49.7

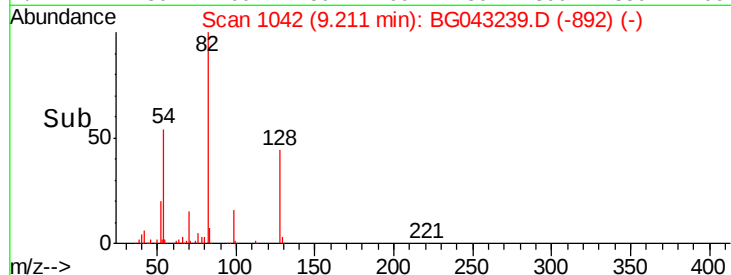
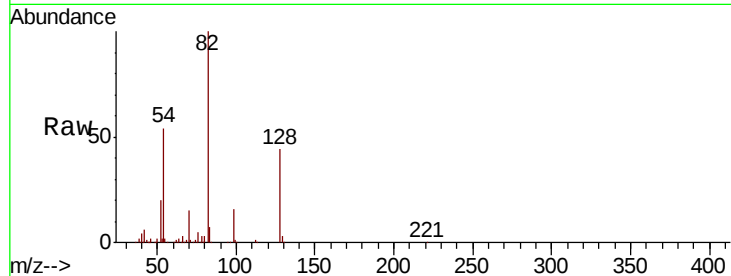
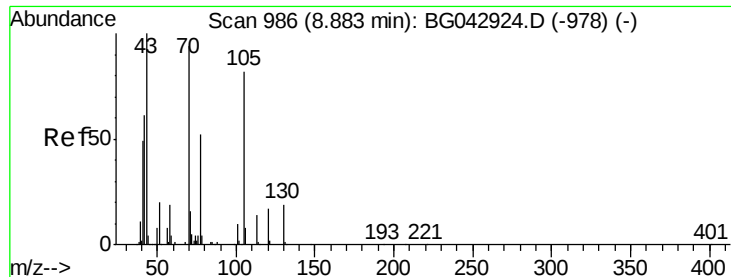


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

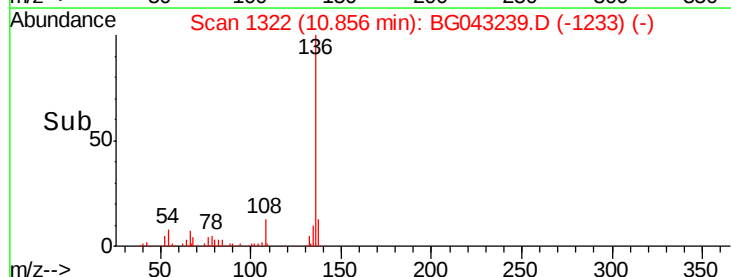
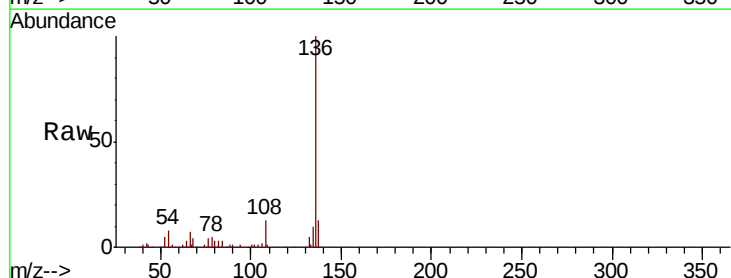
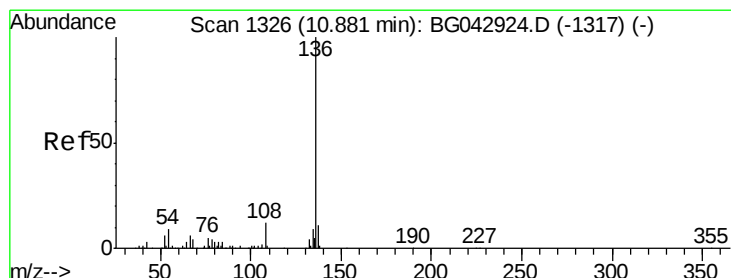
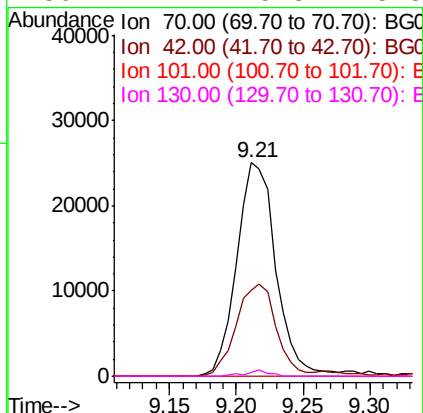




#19
n-Nitroso-di-n-propylamine
Concen: 15.952 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.35 min
Lab File: BG043239.D
Acq: 16 Oct 2019 6:13

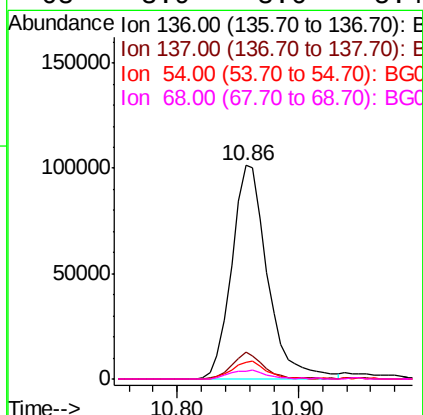
Instrument :
BNA_G
ClientSampleId :

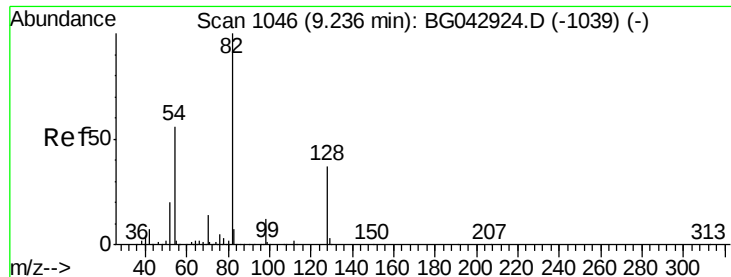
Tot Ion	Ratio	Lower	Upper
70	100		
42	40.4	52.6	79.0#
101	0.0	8.7	13.1#
130	2.1	15.8	23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG043239.D
Acq: 16 Oct 2019 6:13

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.5	12.7
54	7.7	7.4	11.2
68	3.9	3.6	5.4

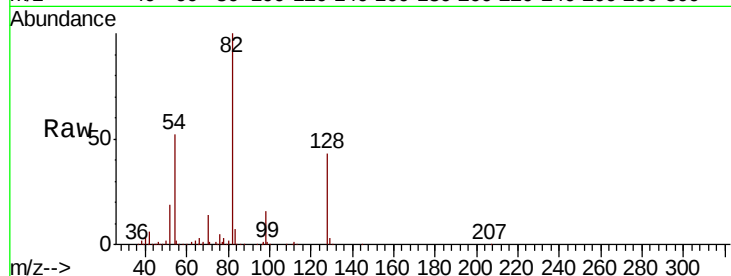




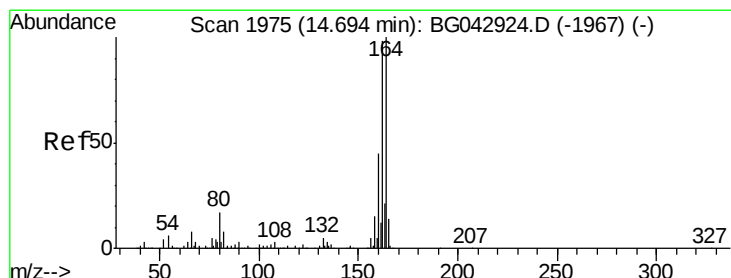
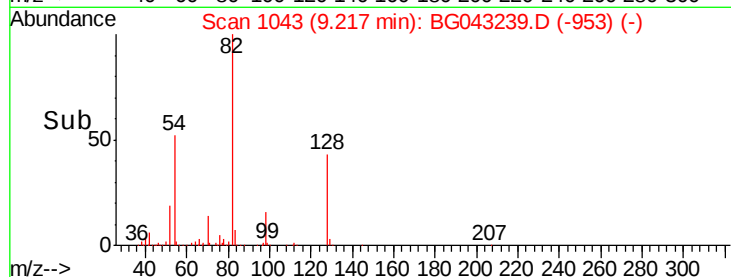
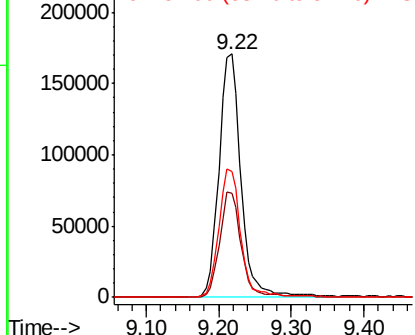
#23
 Nitrobenzene-d5
 Concen: 83.939 ng
 RT: 9.22 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BG043239.D
 Acq: 16 Oct 2019 6:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	361893
Ion	Ratio	Lower	Upper
82	100		
128	42.7	29.5	44.3
54	51.7	44.6	67.0

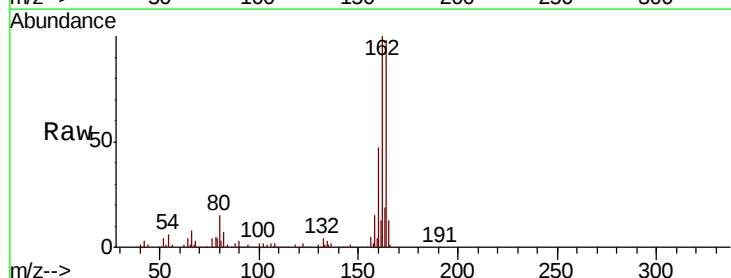


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

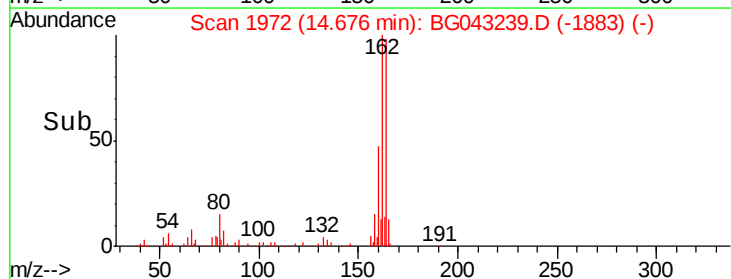
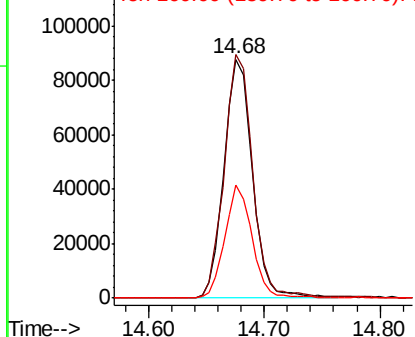


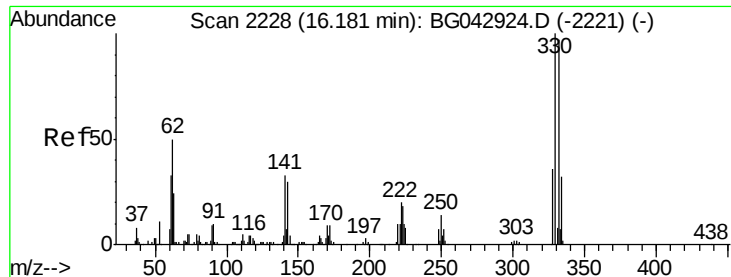
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BG043239.D
 Acq: 16 Oct 2019 6:13

Tgt Ion	164	Resp	150115
Ion	Ratio	Lower	Upper
164	100		
162	102.0	78.5	117.7
160	47.5	35.9	53.9



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

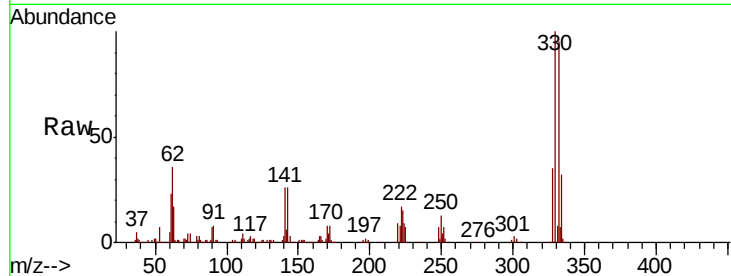




#42
 2,4,6-Tribromophenol
 Concen: 129.327 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: BG043239.D
 Acq: 16 Oct 2019 6:13

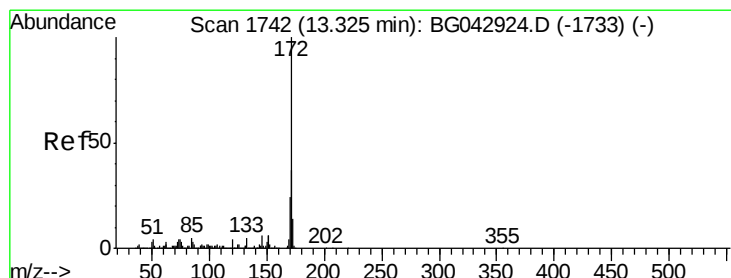
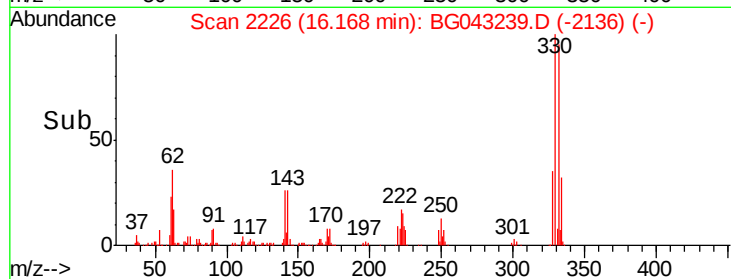
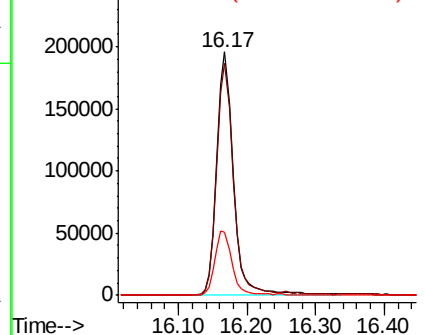
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	78.2	117.2
141	26.9	26.0	39.0



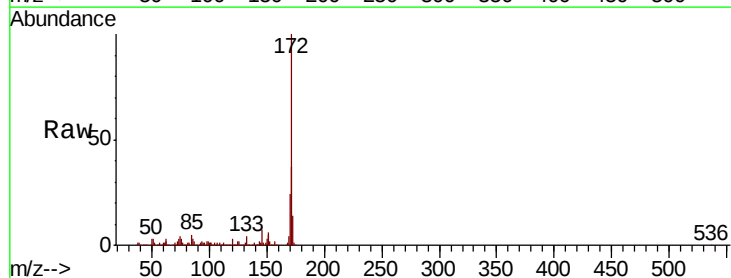
Abundance

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



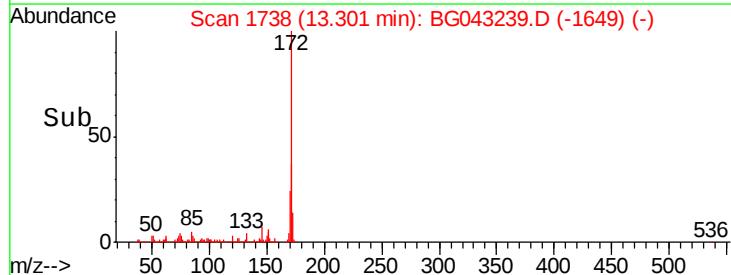
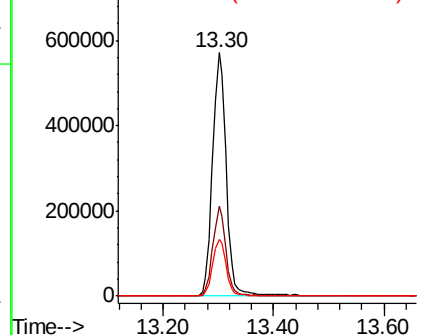
#45
 2-Fluorobiphenyl
 Concen: 94.385 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.01 min
 Lab File: BG043239.D
 Acq: 16 Oct 2019 6:13

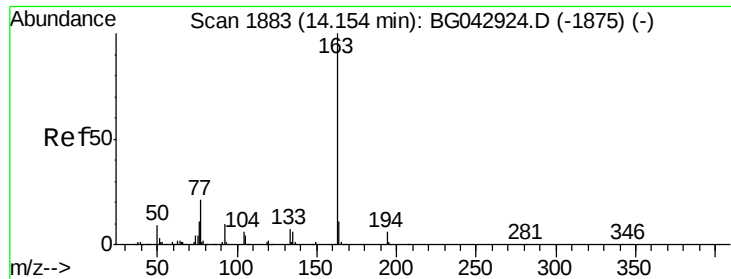
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	23.5	19.6	29.4



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

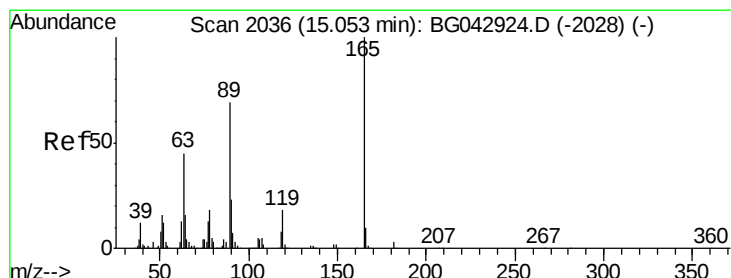
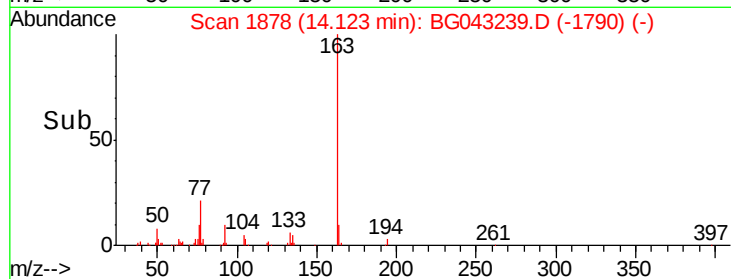
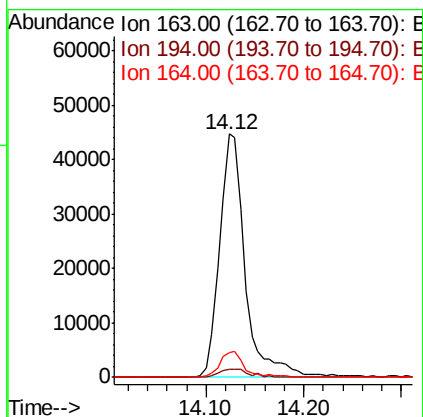
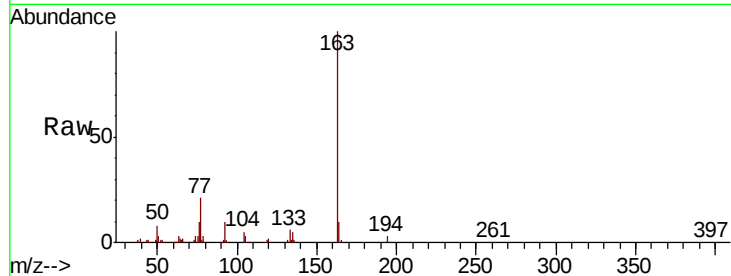




#50
Dimethylphthalate
Concen: 7.252 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG043239.D
Acq: 16 Oct 2019 6:13

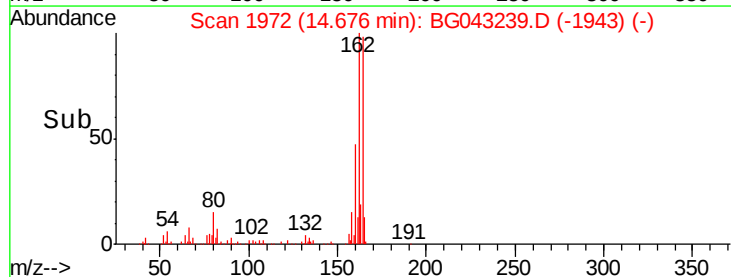
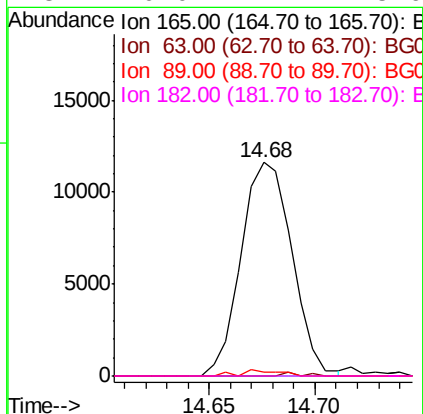
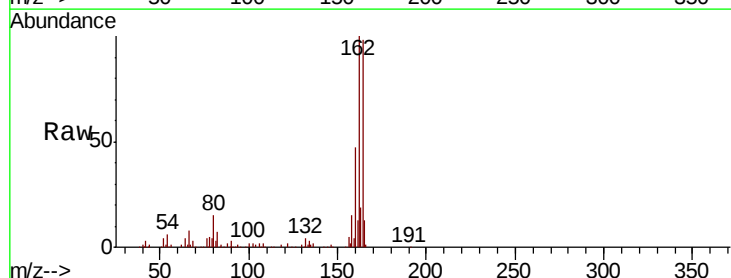
Instrument :
BNA_G
ClientSampleId :

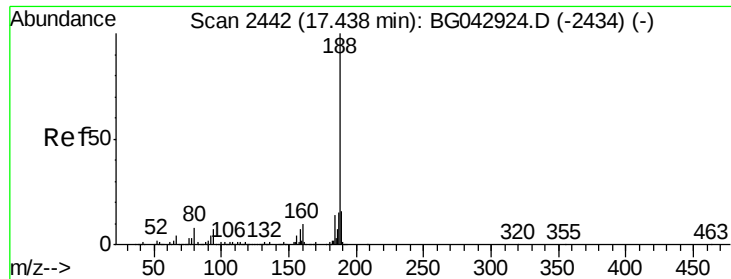
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	4.4	6.6#
164	10.1	8.6	12.8



#57
2,4-Dinitrotoluene
Concen: 5.541 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG043239.D
Acq: 16 Oct 2019 6:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.5	54.7#
89	2.0	55.5	83.3#
182	0.0	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2440

Delta R.T. 0.01 min

Lab File: BG043239.D

Acq: 16 Oct 2019 6:13

Instrument :

BNA_G

ClientSampled :

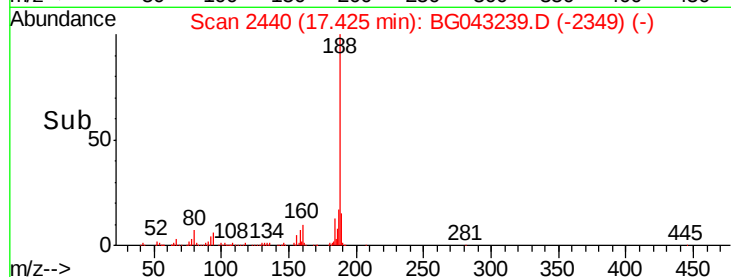
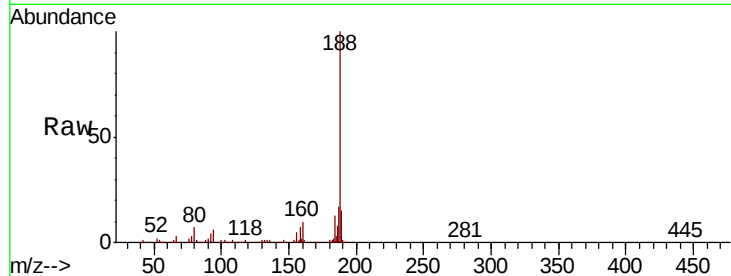
Tot Ion:188 Resp: 321626

Ion Ratio Lower Upper

188 100

94 5.6 5.7 8.5#

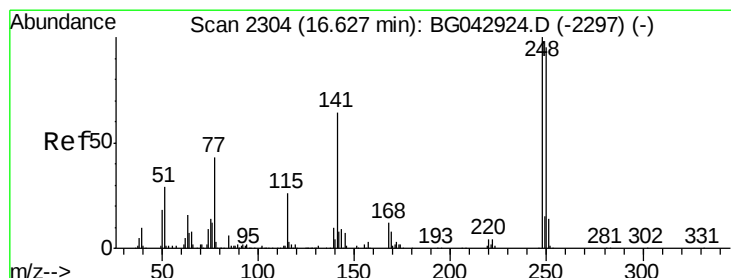
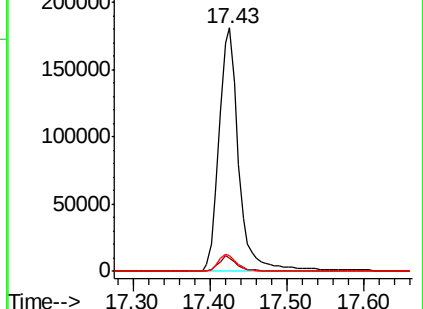
80 6.5 6.5 9.7



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: 5.191 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.44 min

Lab File: BG043239.D

Acq: 16 Oct 2019 6:13

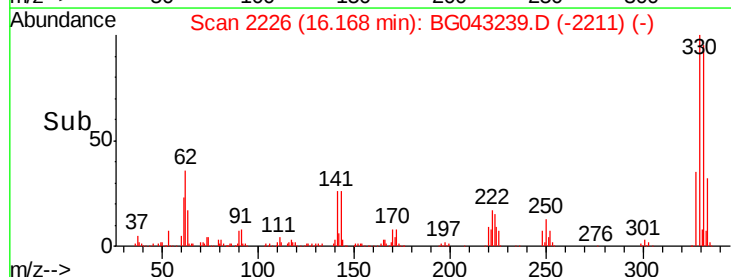
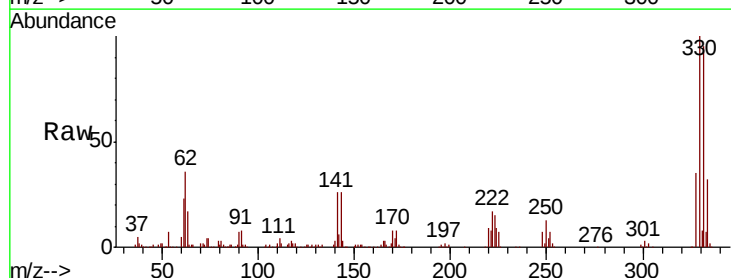
Tgt Ion:248 Resp: 20953

Ion Ratio Lower Upper

248 100

250 197.8 75.8 113.8#

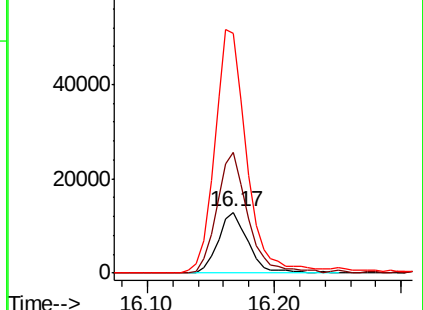
141 391.7 51.1 76.7#

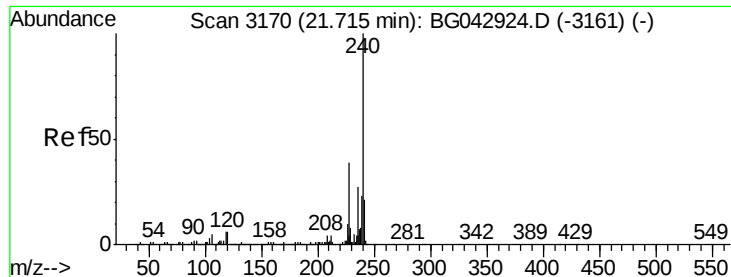


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG043239.D

Acq: 16 Oct 2019 6:13

Instrument :

BNA_G

ClientSampleId :

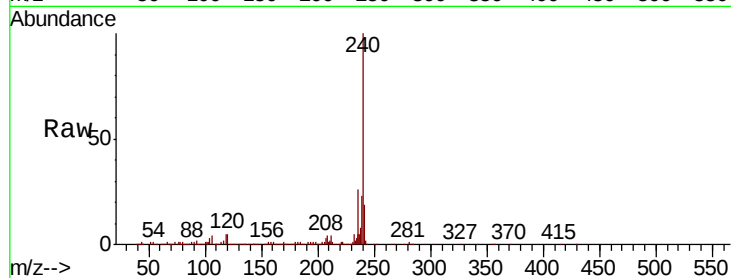
Tot Ion:240 Resp: 340150

Ion Ratio Lower Upper

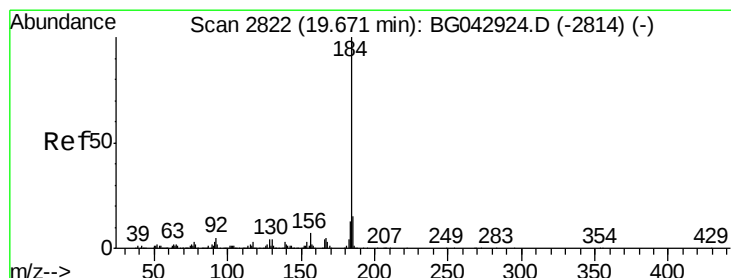
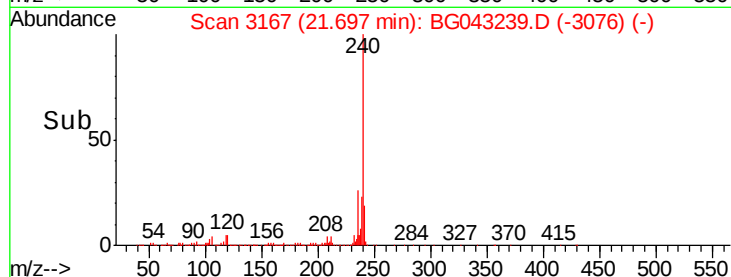
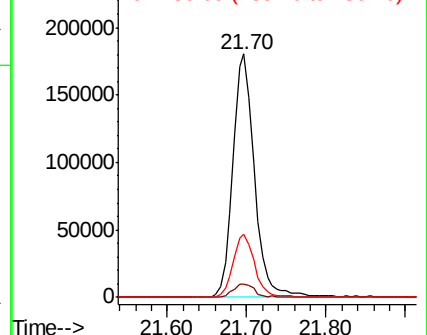
240 100

120 5.5 4.8 7.2

236 25.7 21.4 32.0



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: 2.701 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG043239.D

Acq: 16 Oct 2019 6:13

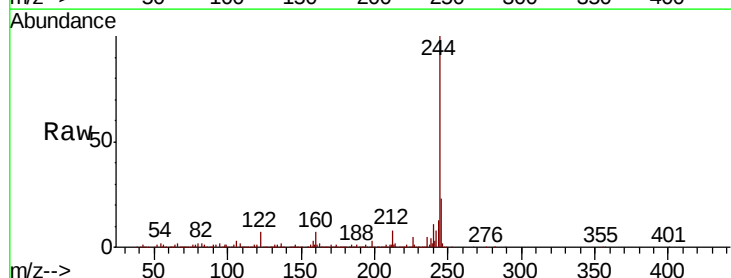
Tgt Ion:184 Resp: 23008

Ion Ratio Lower Upper

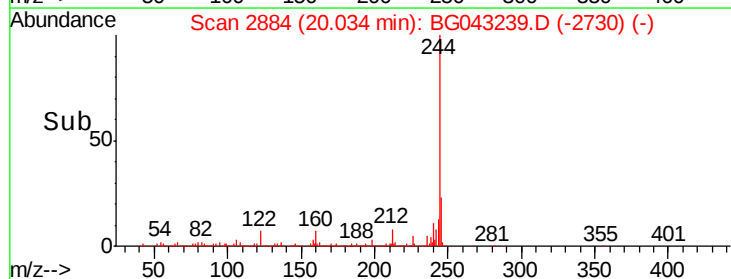
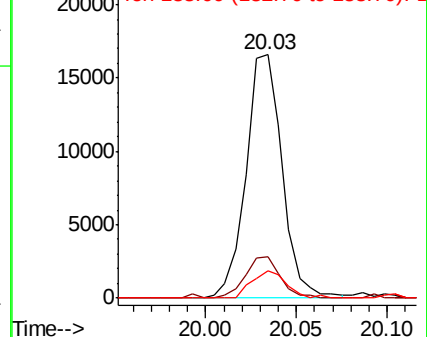
184 100

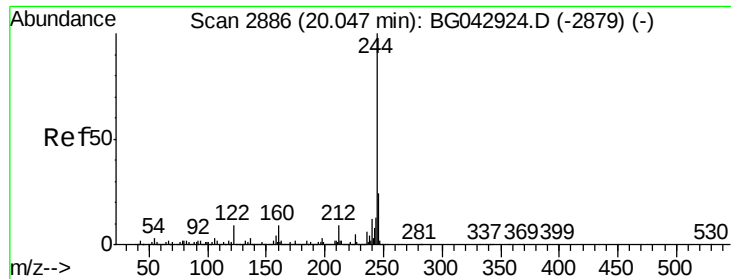
185 16.9 11.8 17.8

183 11.3 10.1 15.1



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: 100.130 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BG043239.D

Acq: 16 Oct 2019 6:13

Instrument :

BNA_G

ClientSampleId :

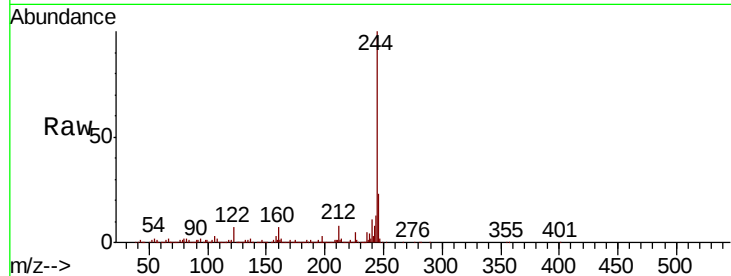
Tot Ion:244 Resp: 1598365

Ion Ratio Lower Upper

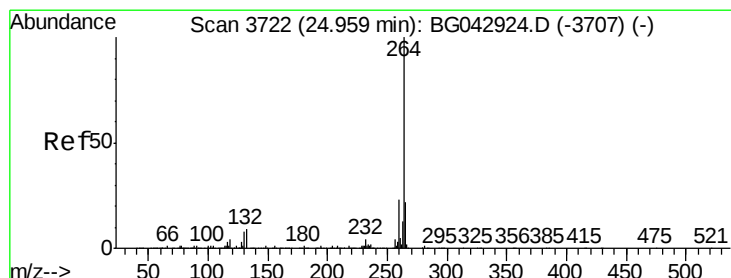
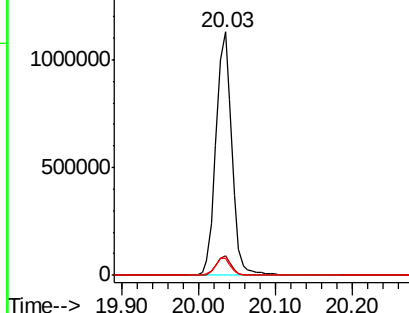
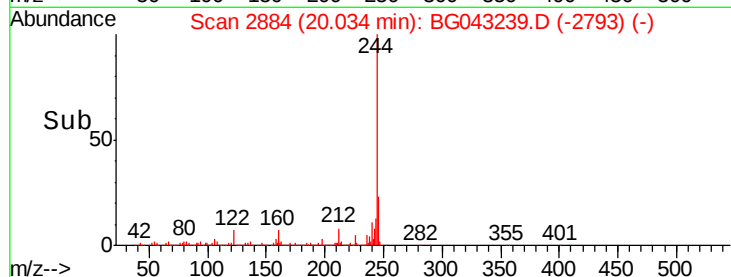
244 100

212 7.9 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# 3716

Delta R.T. 0.01 min

Lab File: BG043239.D

Acq: 16 Oct 2019 6:13

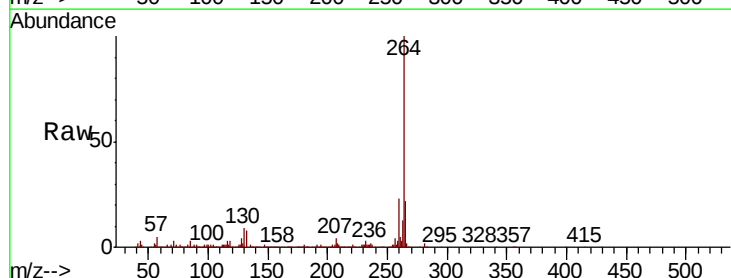
Tgt Ion:264 Resp: 403287

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 21.9 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

