

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043236.D
 Acq On : 16 Oct 2019 4:17
 Operator : JU
 Sample : K5148-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 08:14:35 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

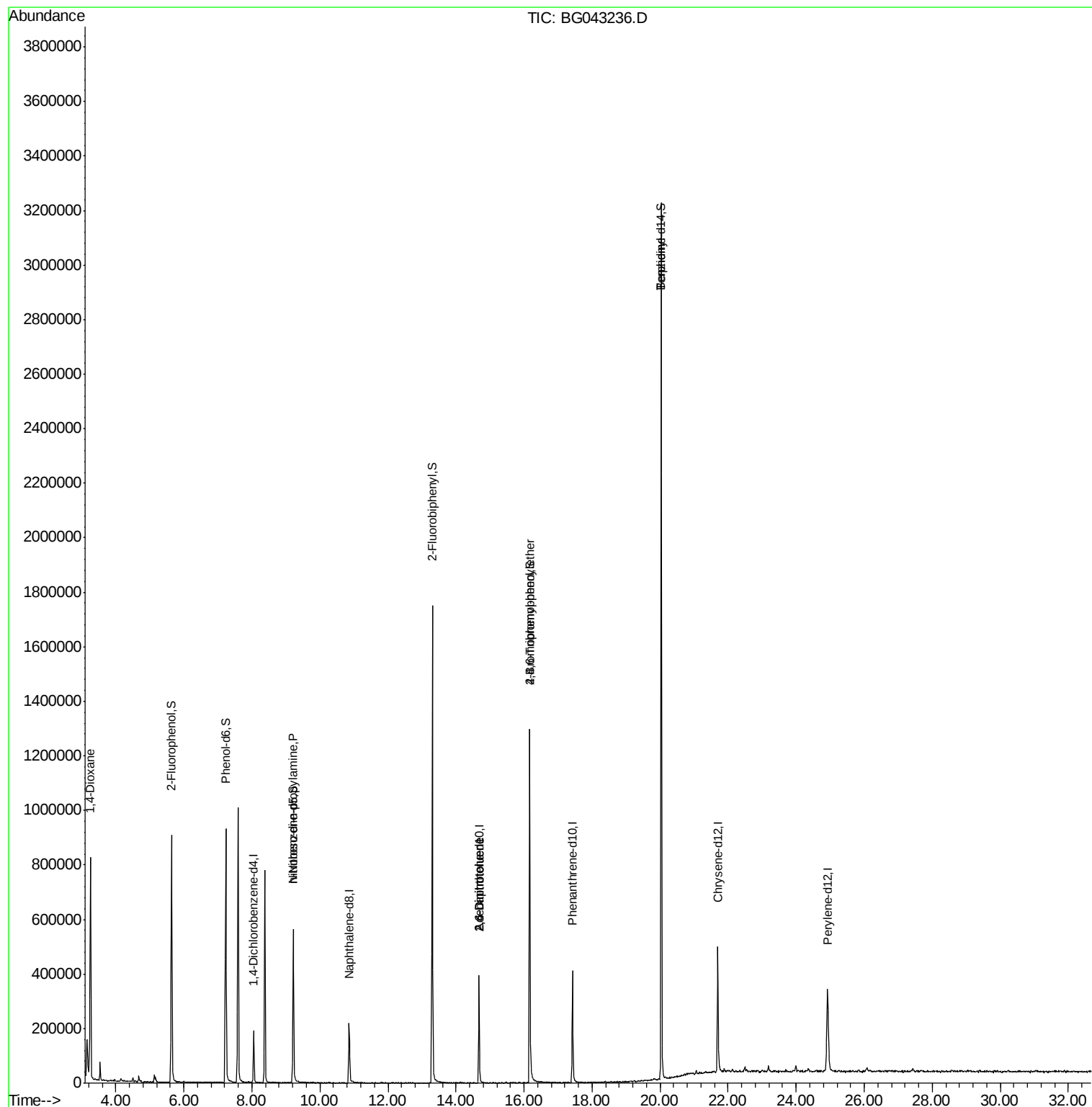
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	58800	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	216284	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	148192	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	307785	20.00	ng	0.00
76) Chrysene-d12	21.70	240	329660	20.00	ng	0.00
87) Perylene-d12	24.92	264	387705	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	434550	131.89	ng	0.00
7) Phenol-d6	7.23	99	604216	127.34	ng	0.00
23) Nitrobenzene-d5	9.21	82	387975	87.19	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	346407	135.94	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1033747	101.13	ng	0.00
79) Terphenyl-d14	20.04	244	1685122	108.92	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.25	88	7982	5.811	ng	# 1
19) n-Nitroso-di-n-propylamine	9.21	70	53631	17.214	ng	# 74
51) 2,6-Dinitrotoluene	14.68	165	18881	7.985	ng	# 23
57) 2,4-Dinitrotoluene	14.68	165	18882	5.453	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	22587	5.847	ng	# 1
77) Benzidine	20.04	184	25280	3.063	ng	# 93

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

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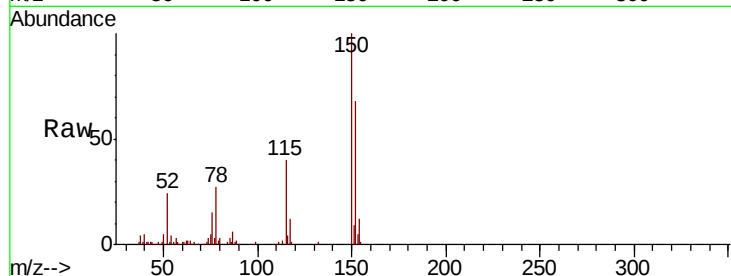


#1

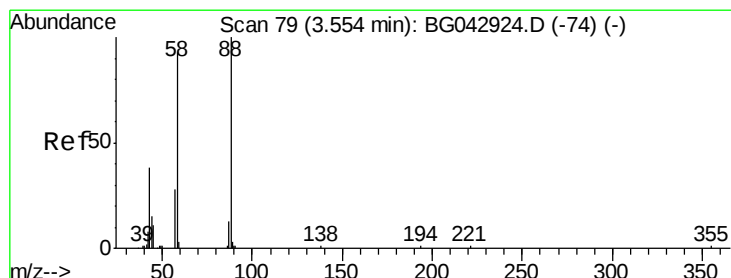
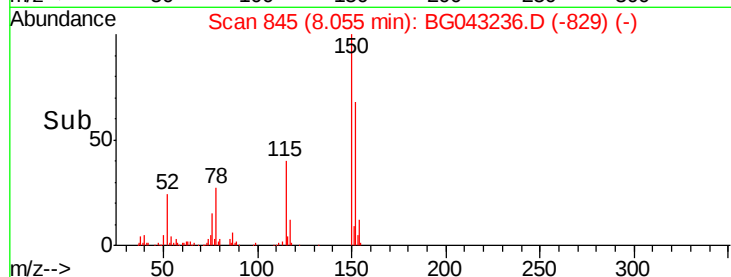
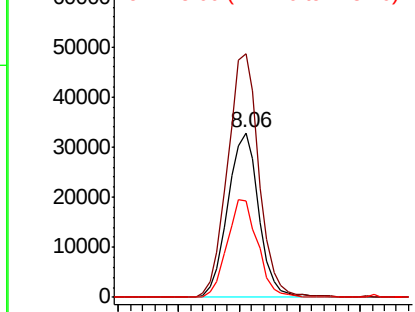
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG043236.D
Acq: 16 Oct 2019 4:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.6	115.0	172.4
115	58.9	47.0	70.6



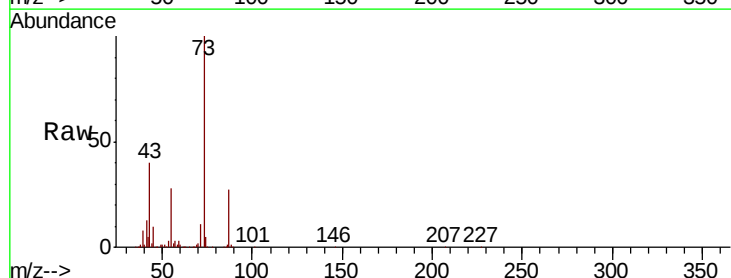
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



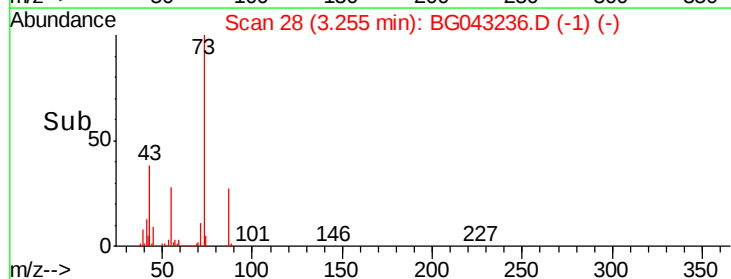
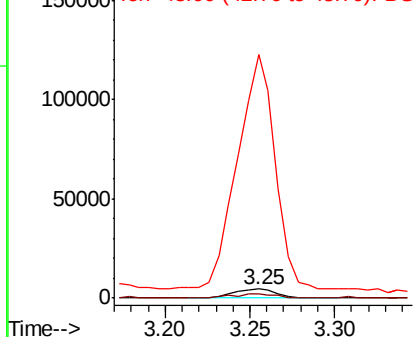
#2

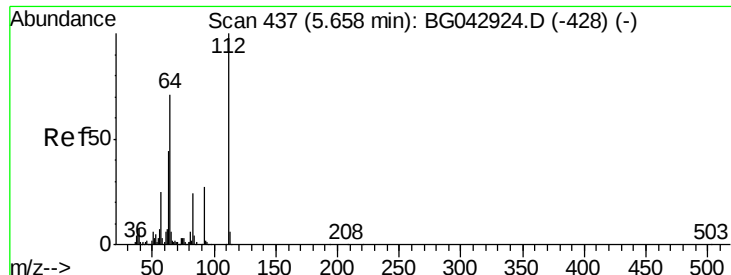
1,4-Dioxane
Concen: 5.811 ng
RT: 3.25 min Scan# 28
Delta R.T. -0.28 min
Lab File: BG043236.D
Acq: 16 Oct 2019 4:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	45.4	74.3	111.5#
43	2402.0	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: 131.889 ng

RT: 5.64 min Scan# 434

Delta R.T. 0.00 min

Lab File: BG043236.D

Acq: 16 Oct 2019 4:17

Instrument :

BNA_G

ClientSampleId :

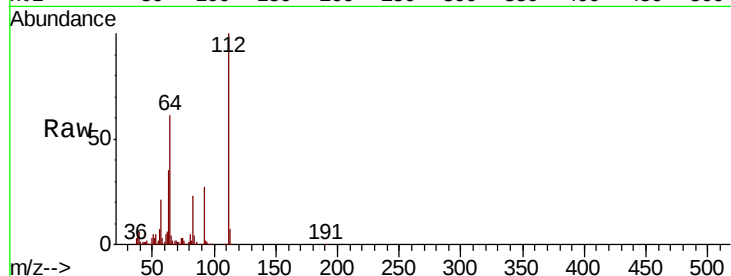
Tot Ion:112 Resp: 434550

Ion Ratio Lower Upper

112 100

64 61.3 56.6 84.8

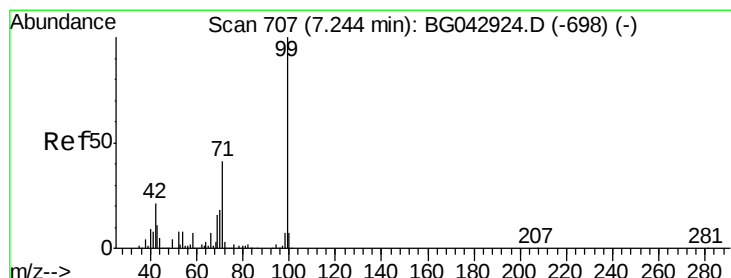
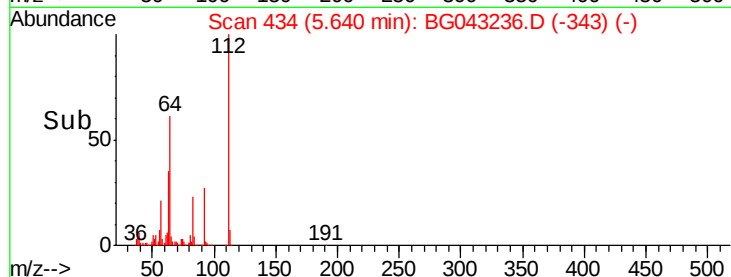
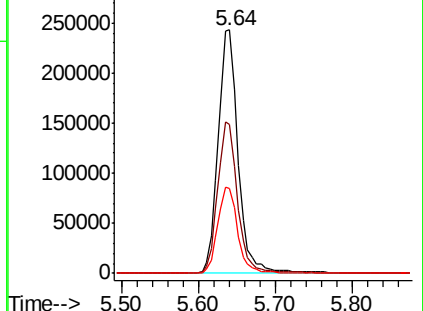
63 34.9 35.1 52.7#



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: 127.345 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BG043236.D

Acq: 16 Oct 2019 4:17

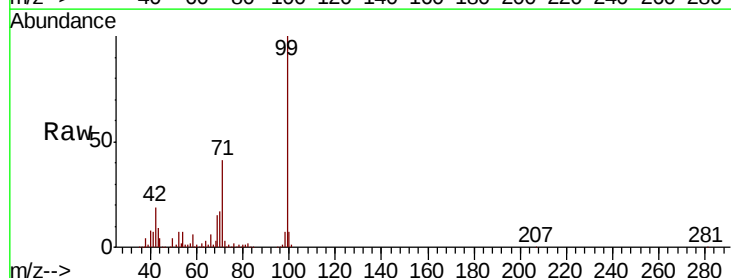
Tgt Ion: 99 Resp: 604216

Ion Ratio Lower Upper

99 100

42 18.8 17.2 25.8

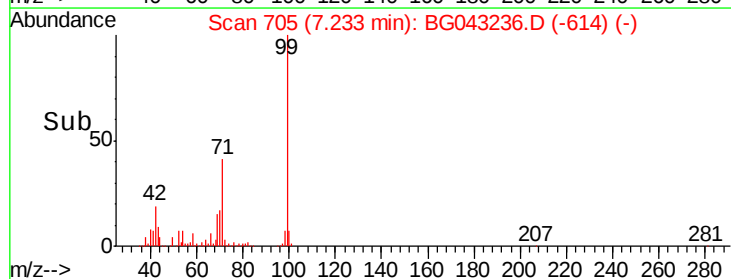
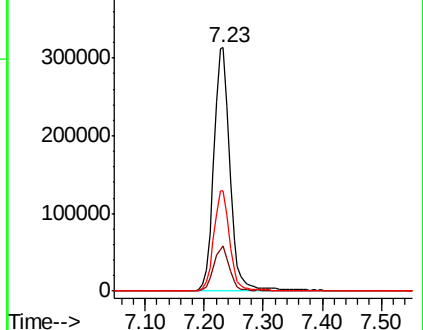
71 41.0 33.1 49.7

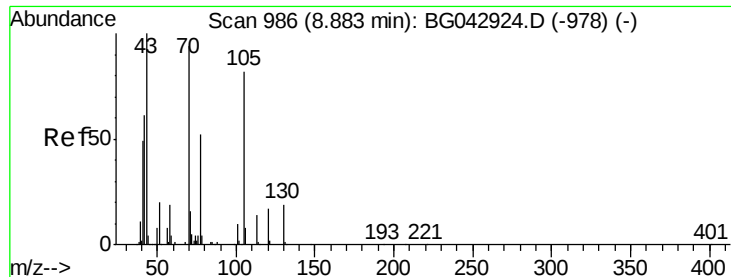


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

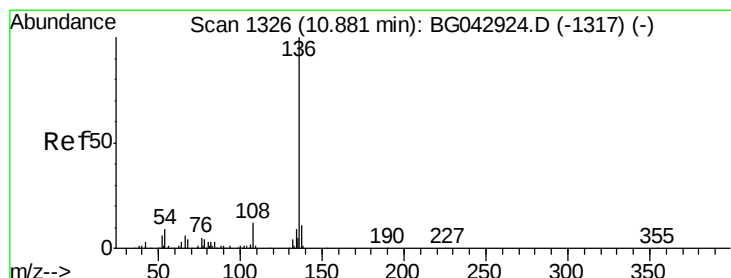
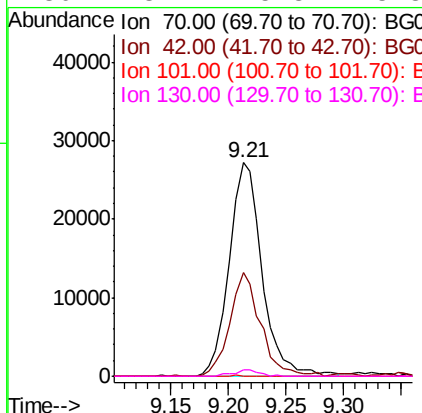
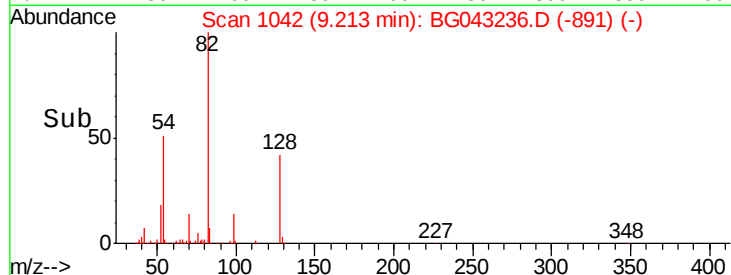
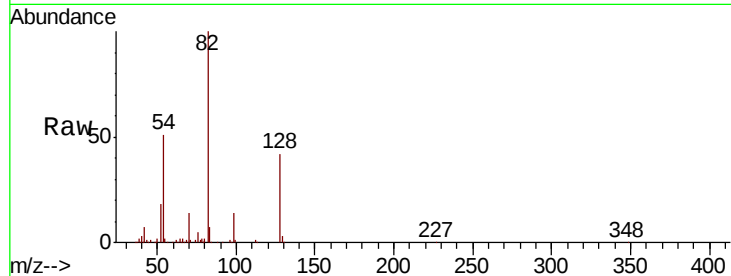




#19
n-Nitroso-di-n-propylamine
Concen: 17.214 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.35 min
Lab File: BG043236.D
Acq: 16 Oct 2019 4:17

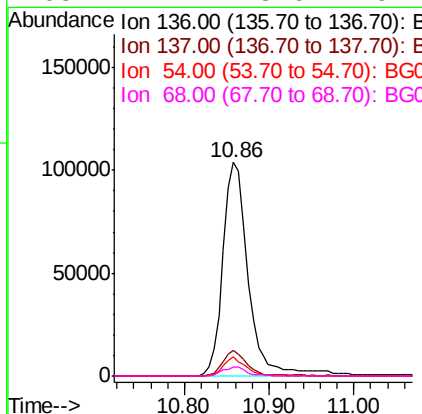
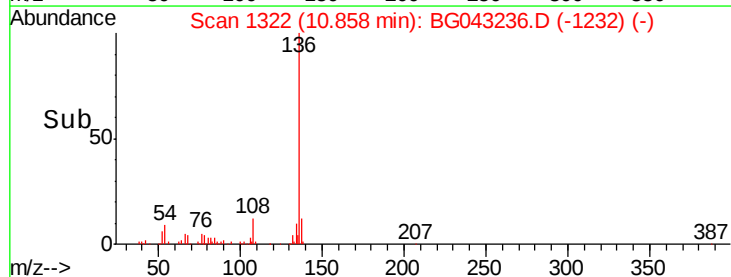
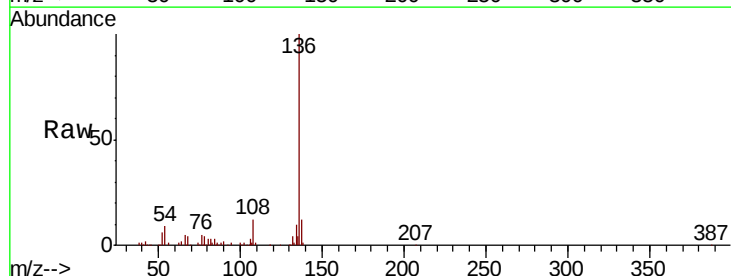
Instrument :
BNA_G
ClientSampleId :

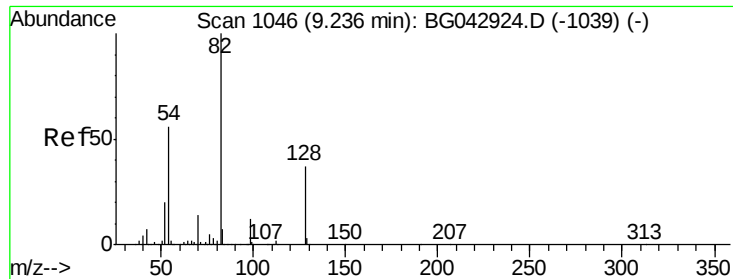
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.3	52.6	79.0#
101	0.0	8.7	13.1#
130	3.1	15.8	23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG043236.D
Acq: 16 Oct 2019 4:17

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.5	12.7
54	9.1	7.4	11.2
68	4.2	3.6	5.4

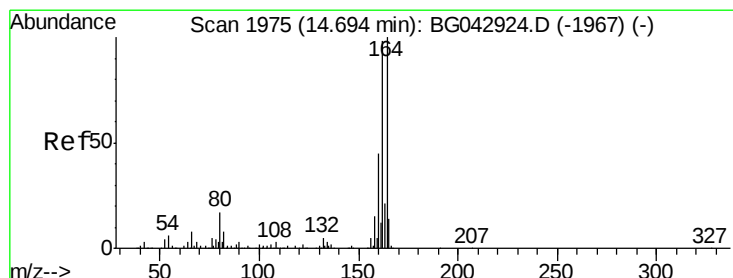
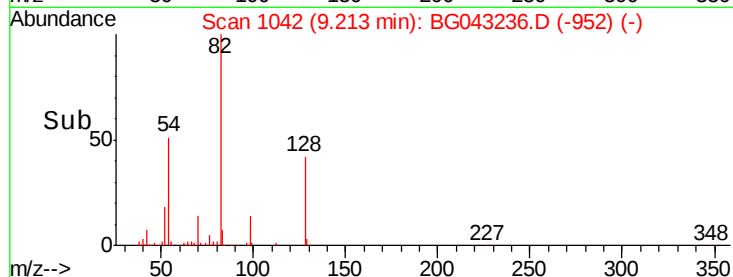
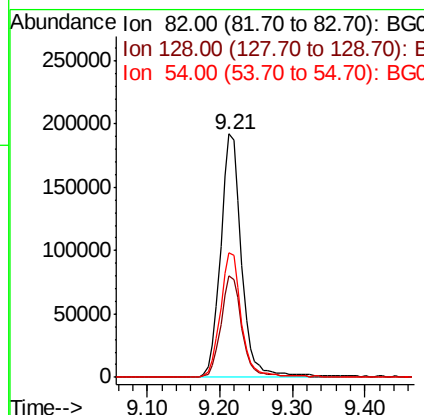
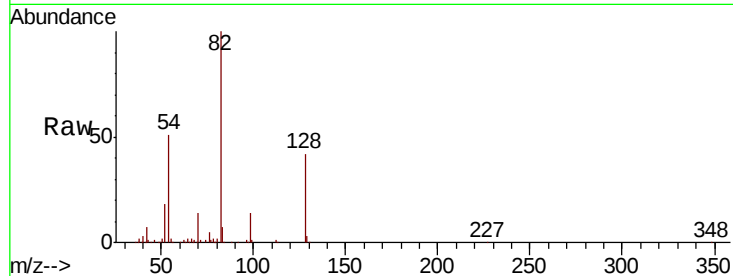




#23
Nitrobenzene-d5
Concen: 87.189 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG043236.D
Acq: 16 Oct 2019 4:17

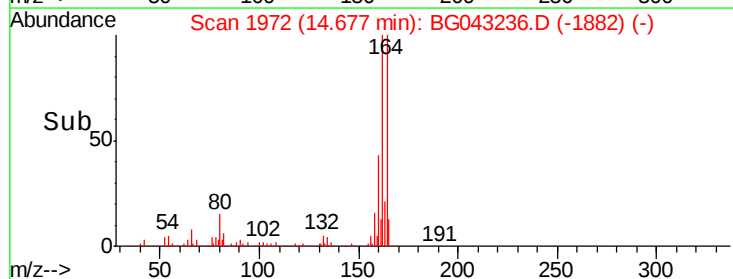
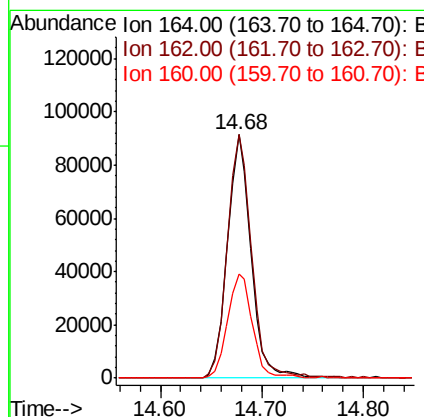
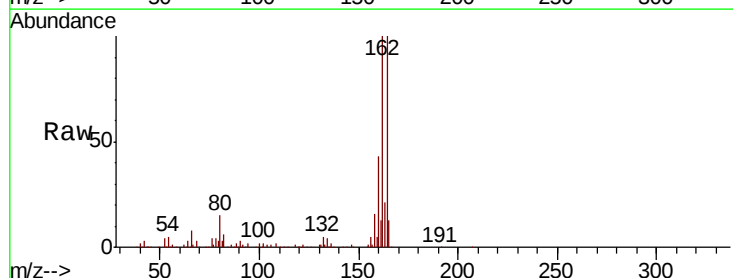
Instrument :
BNA_G
ClientSampleId :

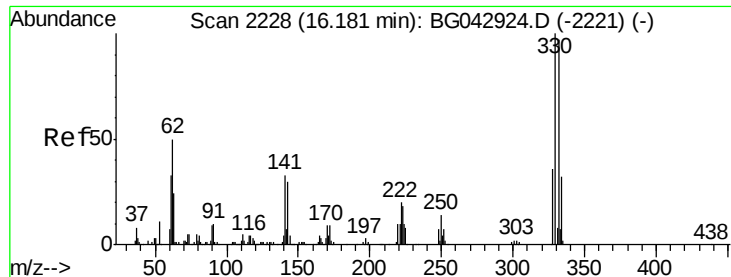
Tot Ion	82	Resp	387975
Ion Ratio	Lower	Upper	
82	100		
128	41.9	29.5	44.3
54	51.4	44.6	67.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BG043236.D
Acq: 16 Oct 2019 4:17

Tgt Ion	164	Resp	148192
Ion Ratio	Lower	Upper	
164	100		
162	100.1	78.5	117.7
160	42.9	35.9	53.9

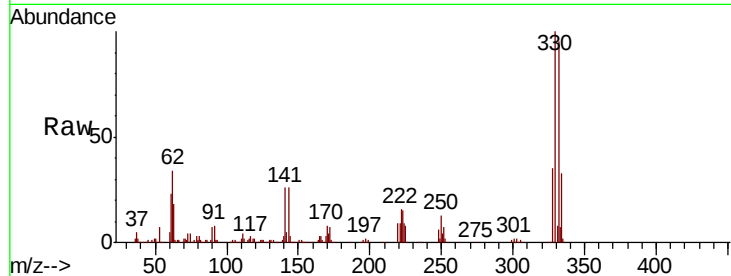




#42
 2,4,6-Tribromophenol
 Concen: 135.939 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: BG043236.D
 Acq: 16 Oct 2019 4:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.2	117.2
141	27.7	26.0	39.0

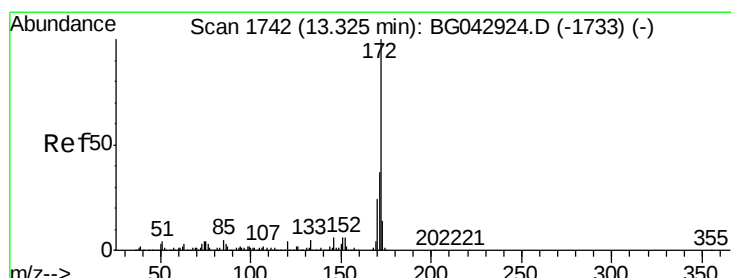
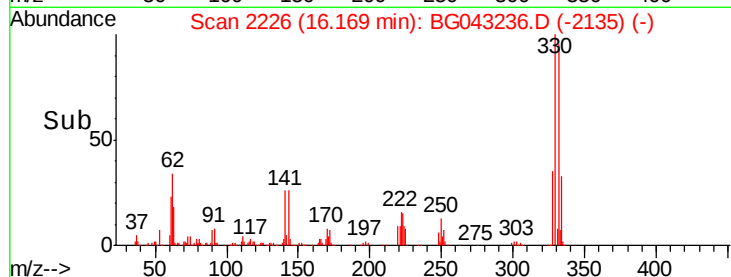
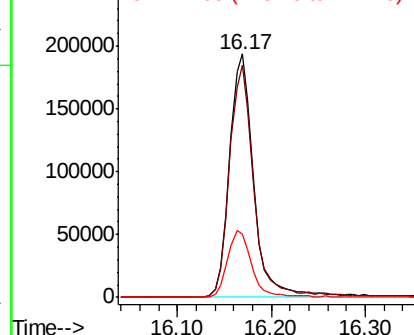


Abundance

Ion 329.80 (329.50 to 330.50): E

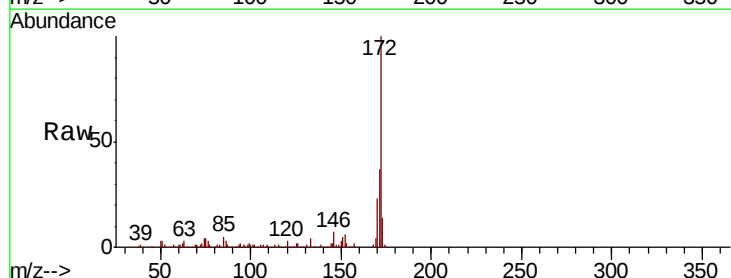
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 101.127 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG043236.D
 Acq: 16 Oct 2019 4:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	23.4	19.6	29.4

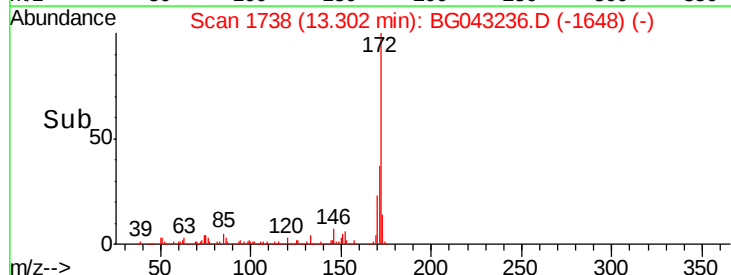
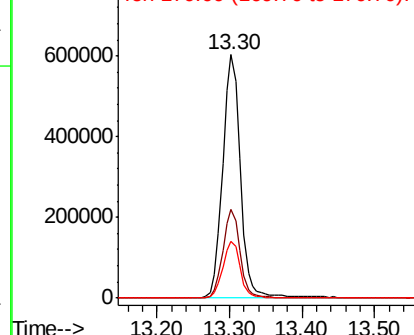


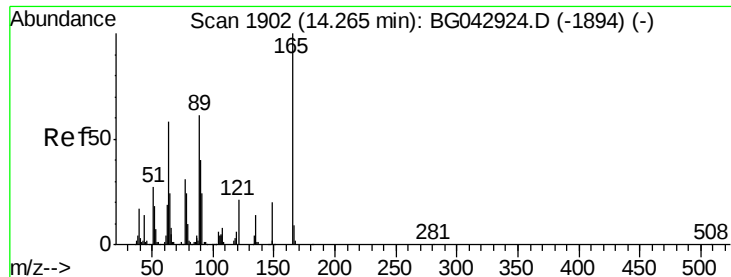
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 7.985 ng

RT: 14.68 min Scan# 1972

Delta R.T. 0.43 min

Lab File: BG043236.D

Acq: 16 Oct 2019 4:17

Instrument :

BNA_G

ClientSampleId :

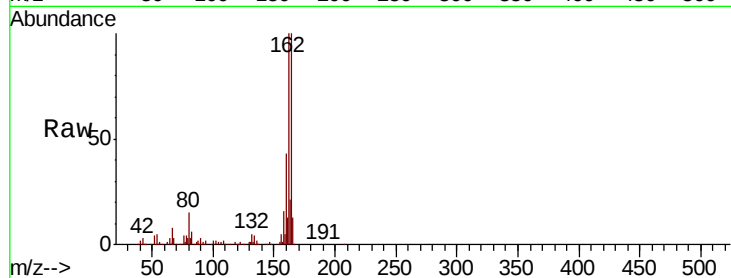
Tot Ion:165 Resp: 18881

Ion Ratio Lower Upper

165 100

63 2.9 50.3 75.5#

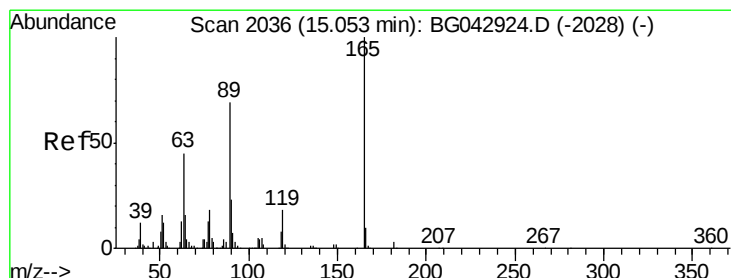
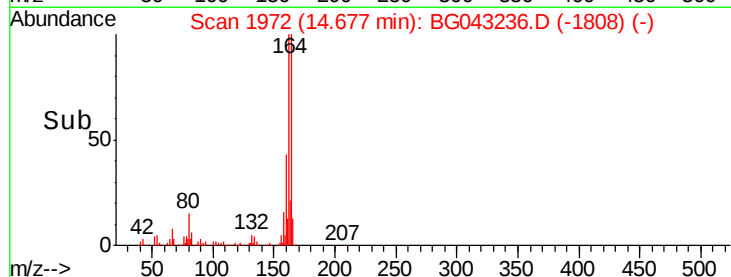
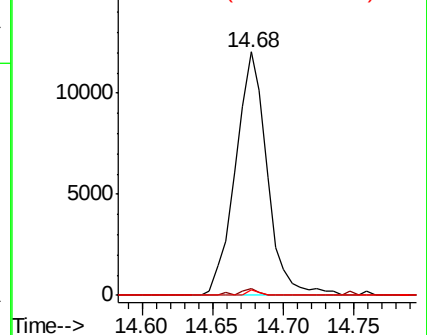
89 2.1 48.9 73.3#



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



#57

2,4-Dinitrotoluene

Concen: 5.453 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG043236.D

Acq: 16 Oct 2019 4:17

Tgt Ion:165 Resp: 18882

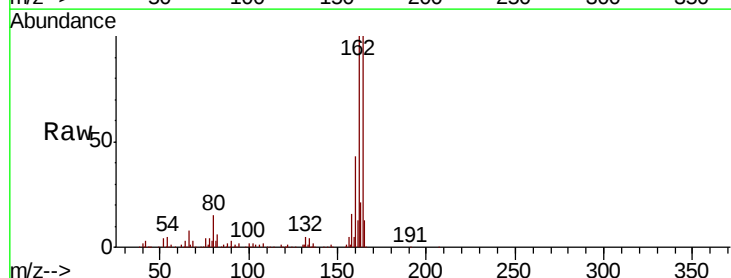
Ion Ratio Lower Upper

165 100

63 2.9 36.5 54.7#

89 2.1 55.5 83.3#

182 0.0 2.4 3.6#

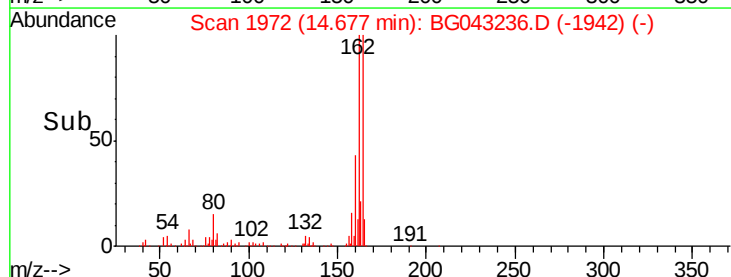
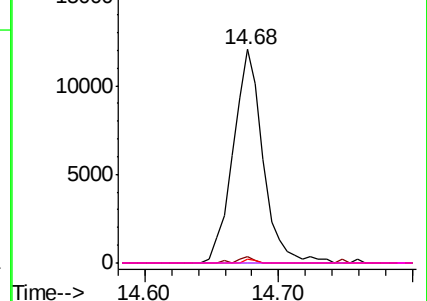


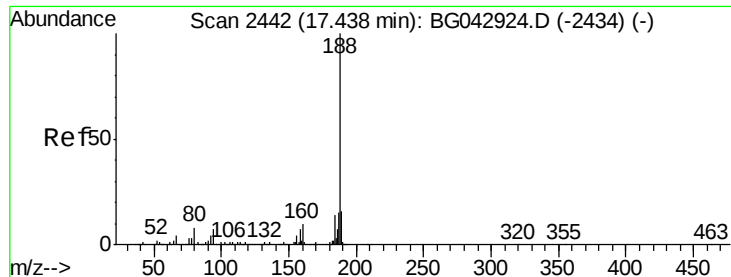
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2439

Delta R.T. 0.00 min

Lab File: BG043236.D

Acq: 16 Oct 2019 4:17

Instrument :

BNA_G

ClientSampleId :

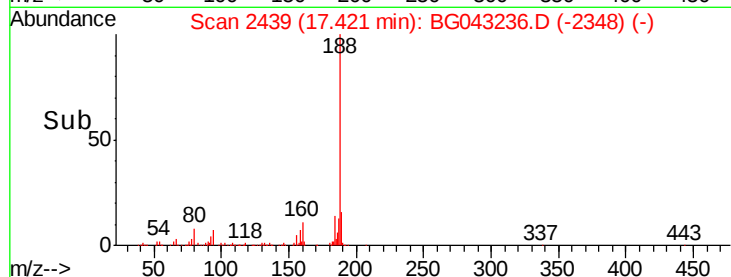
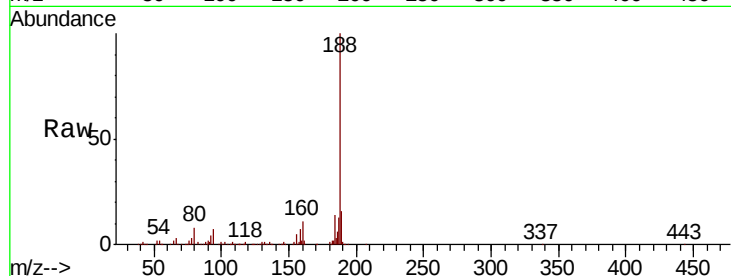
Tot Ion:188 Resp: 307785

Ion Ratio Lower Upper

188 100

94 6.6 5.7 8.5

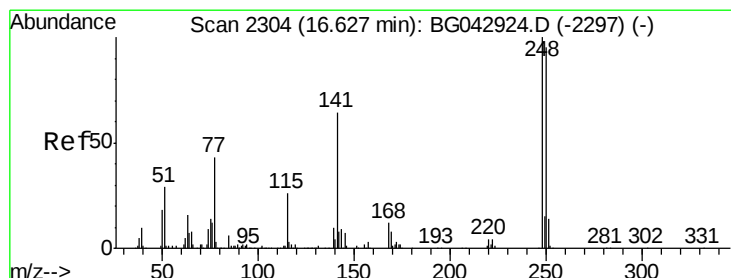
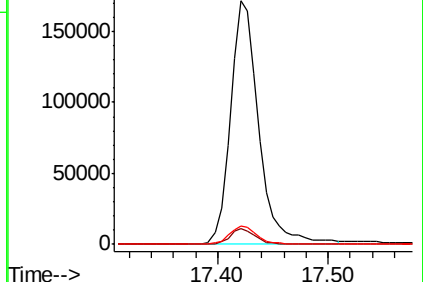
80 7.6 6.5 9.7



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: 5.847 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.44 min

Lab File: BG043236.D

Acq: 16 Oct 2019 4:17

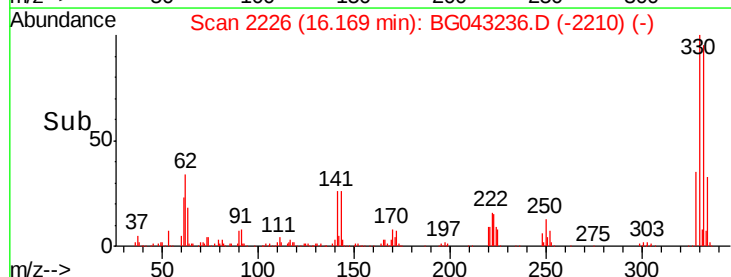
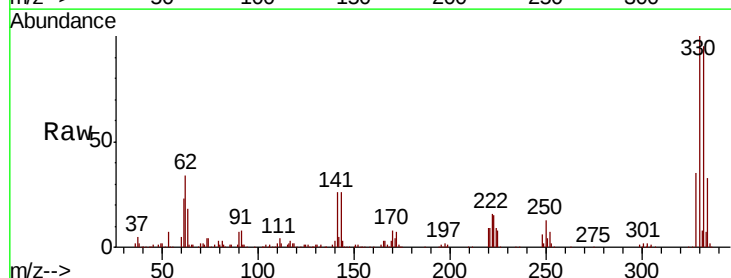
Tgt Ion:248 Resp: 22587

Ion Ratio Lower Upper

248 100

250 203.7 75.8 113.8#

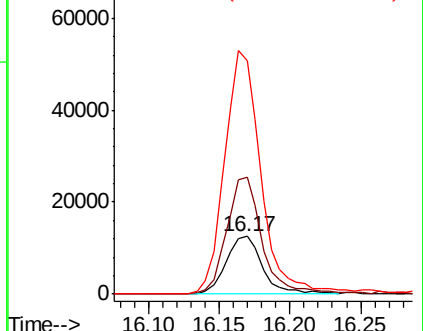
141 404.7 51.1 76.7#

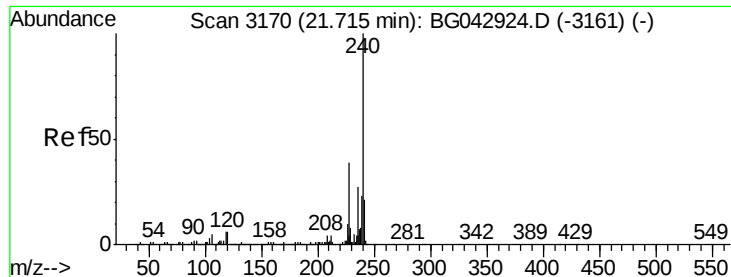


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG043236.D

Acq: 16 Oct 2019 4:17

Instrument :

BNA_G

ClientSampleId :

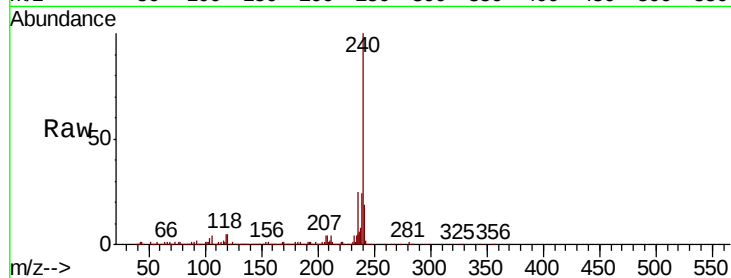
Tot Ion:240 Resp: 329660

Ion Ratio Lower Upper

240 100

120 5.4 4.8 7.2

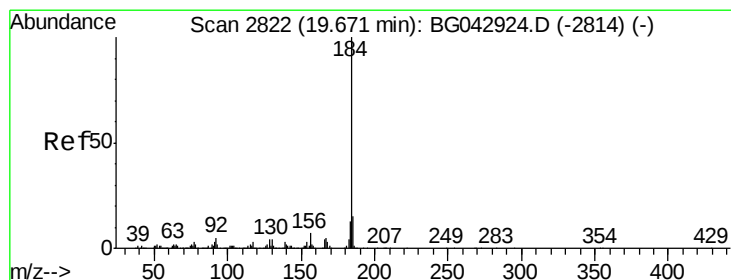
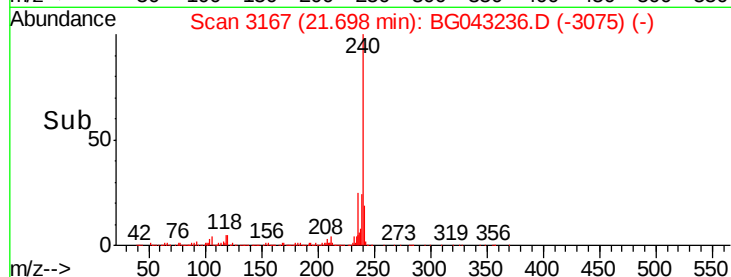
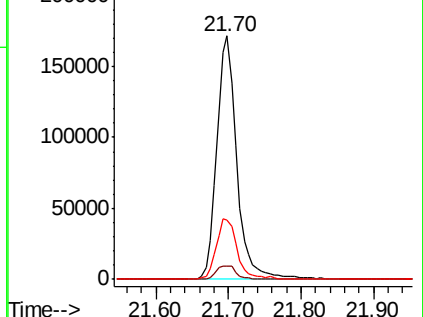
236 24.5 21.4 32.0



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: 3.063 ng

RT: 20.04 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG043236.D

Acq: 16 Oct 2019 4:17

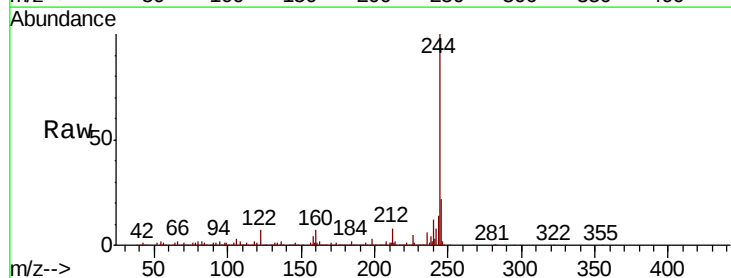
Tgt Ion:184 Resp: 25280

Ion Ratio Lower Upper

184 100

185 17.5 11.8 17.8

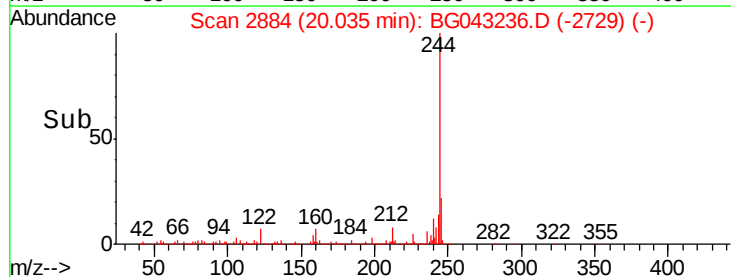
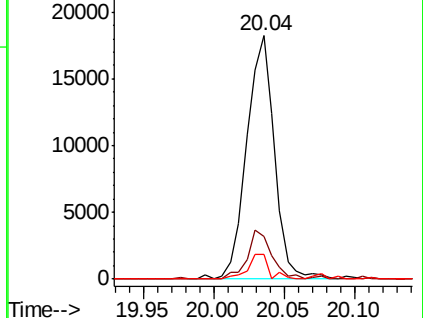
183 10.0 10.1 15.1#

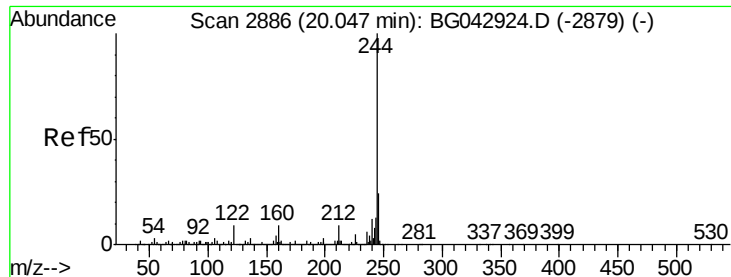


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 108.924 ng

RT: 20.04 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BG043236.D

Acq: 16 Oct 2019 4:17

Instrument :

BNA_G

ClientSampleId :

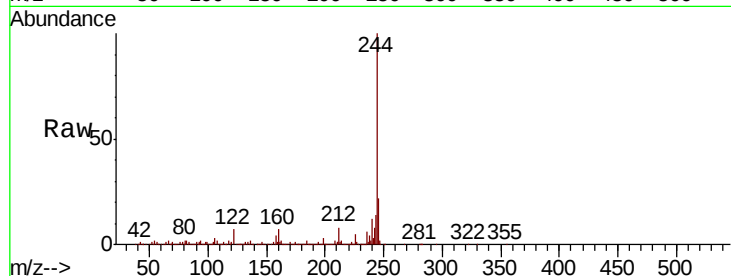
Tot Ion:244 Resp: 1685122

Ion Ratio Lower Upper

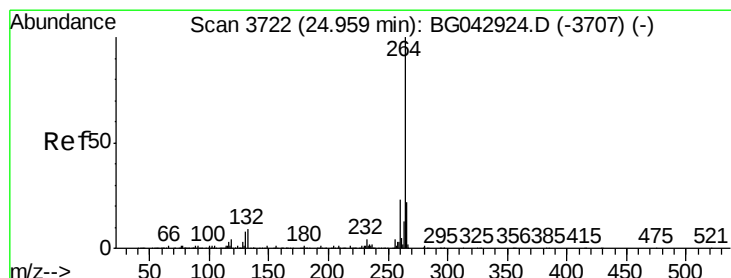
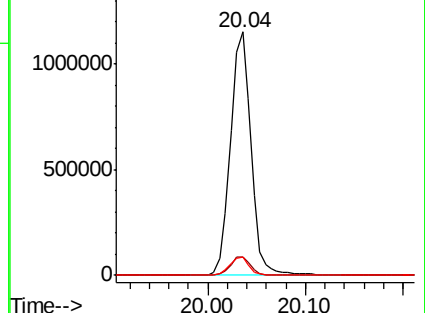
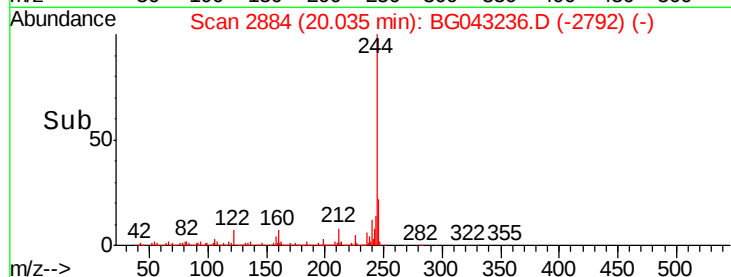
244 100

212 7.5 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# 3716

Delta R.T. 0.01 min

Lab File: BG043236.D

Acq: 16 Oct 2019 4:17

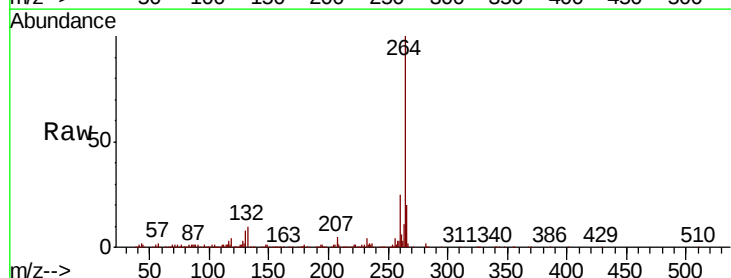
Tgt Ion:264 Resp: 387705

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

265 20.0 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

