

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043423.D
 Acq On : 31 Oct 2019 5:46
 Operator : JU
 Sample : K5587-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 08:29:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	43290	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	147774	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	116858	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	273652	20.00	ng	0.00
76) Chrysene-d12	21.66	240	311620	20.00	ng	0.00
87) Perylene-d12	24.86	264	359368	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	312832	132.42	ng	0.00
7) Phenol-d6	7.21	99	428037	125.93	ng	0.00
23) Nitrobenzene-d5	9.19	82	258121	90.05	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	284273	127.83	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	718609	84.97	ng	0.00
79) Terphenyl-d14	20.00	244	1519507	91.48	ng	0.00

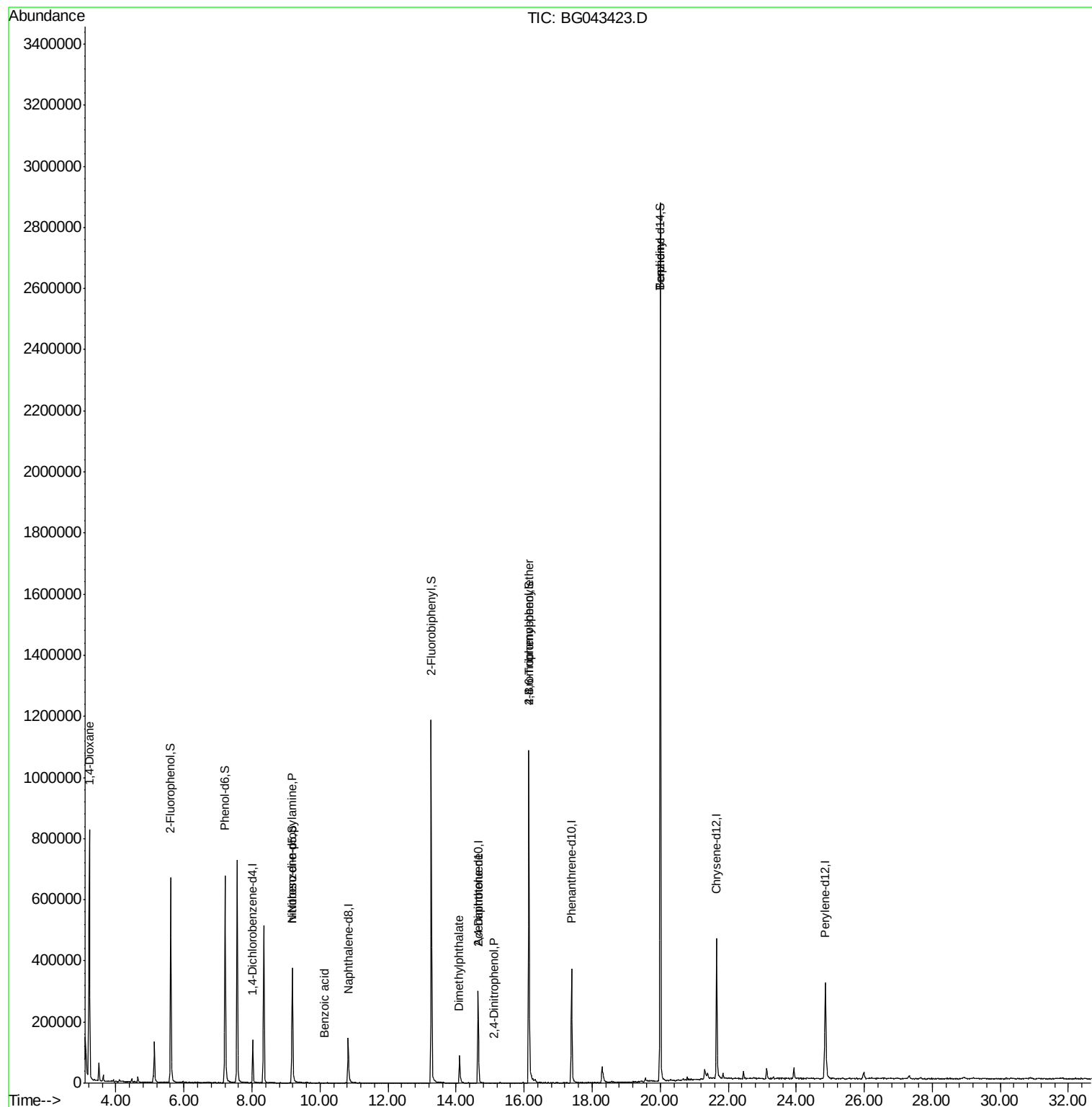
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	9304	10.106	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	36486	16.612	ng	# 75
32) Benzoic acid	10.12	122	65	9.085	ng	# 1
50) Dimethylphthalate	14.10	163	80668	8.912	ng	# 99
54) 2,4-Dinitrophenol	15.11	184	59	7.326	ng	# 20
57) 2,4-Dinitrotoluene	14.65	165	15812	5.627	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	18941	5.143	ng	# 1
77) Benzidine	20.00	184	22647	3.611	ng	# 84

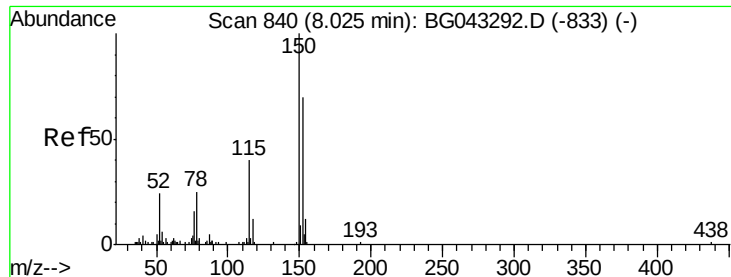
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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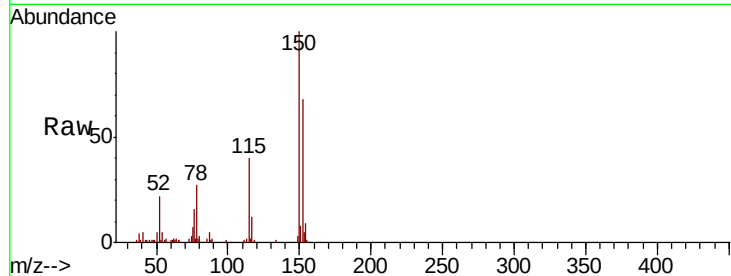


#1

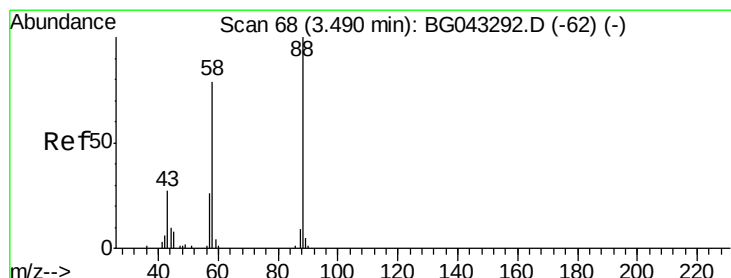
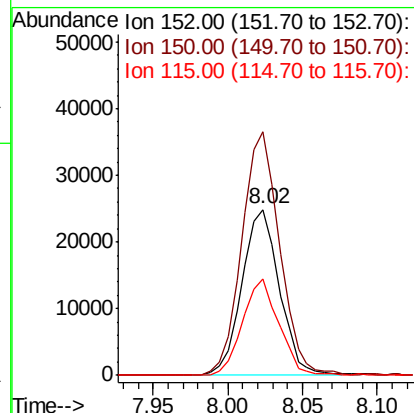
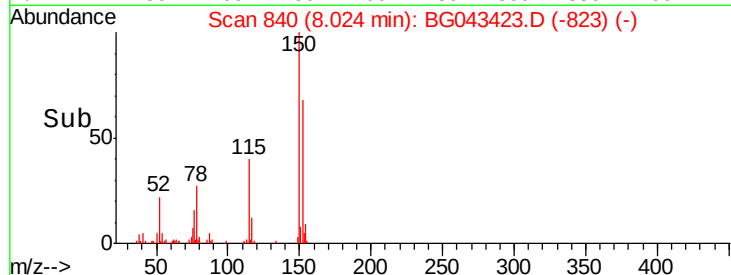
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 43290
Ion Ratio Lower Upper
152 100
150 146.9 113.6 170.4
115 58.5 45.9 68.9



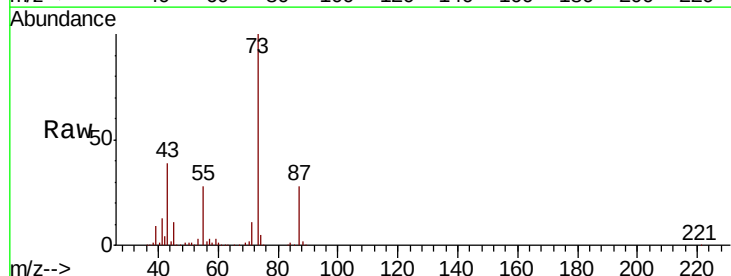
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



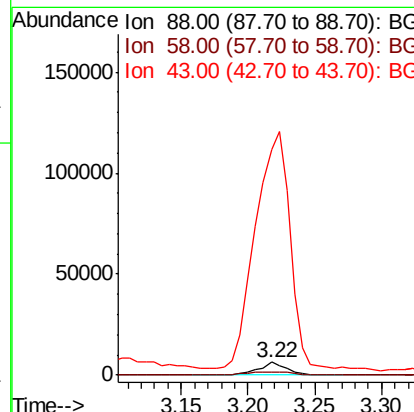
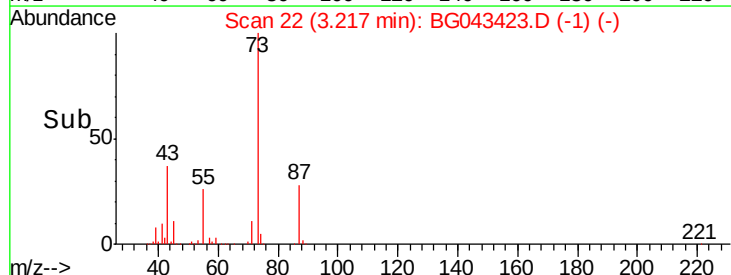
#2

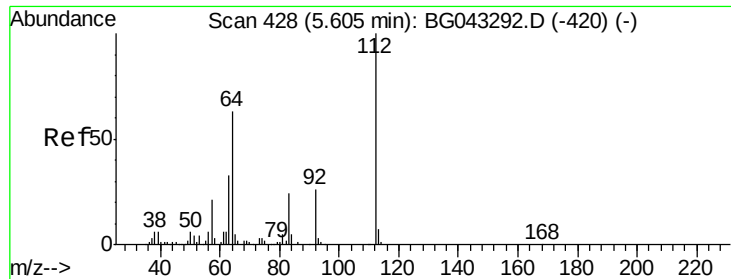
1,4-Dioxane
Concen: 10.106 ng
RT: 3.22 min Scan# 22
Delta R.T. -0.27 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

Tgt Ion: 88 Resp: 9304
Ion Ratio Lower Upper
88 100
58 40.9 60.2 90.2#
43 2250.3 22.7 34.1#



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: 132.420 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043423.D

Acq: 31 Oct 2019 5:46

Instrument :

BNA_G

ClientSampled :

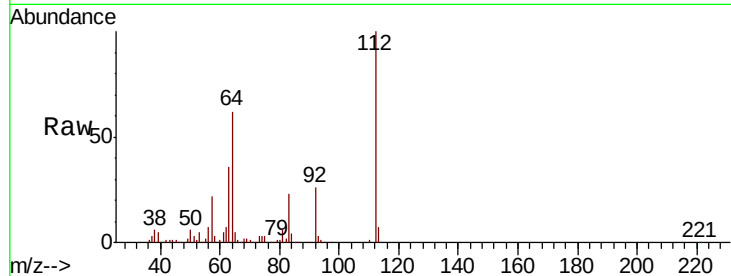
Tot Ion:112 Resp: 312832

Ion Ratio Lower Upper

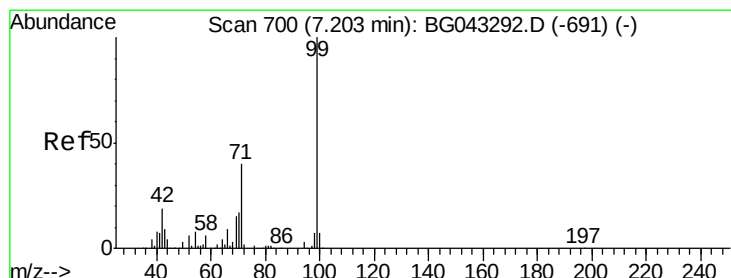
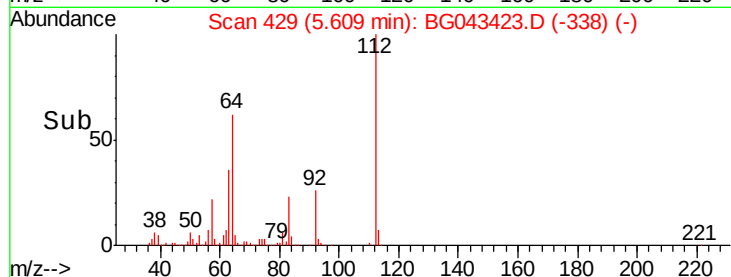
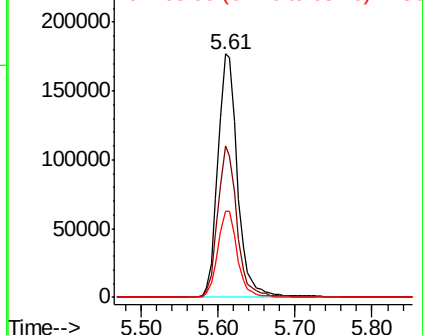
112 100

64 62.2 50.2 75.2

63 35.6 26.7 40.1



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: 125.932 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043423.D

Acq: 31 Oct 2019 5:46

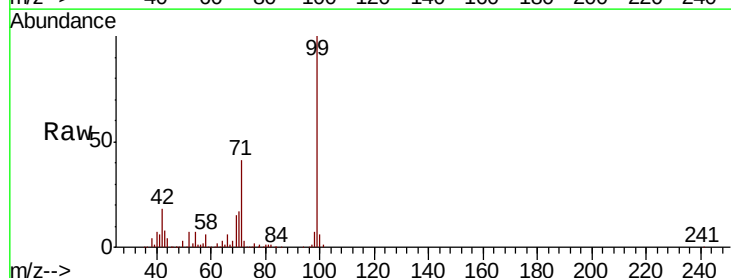
Tgt Ion: 99 Resp: 428037

Ion Ratio Lower Upper

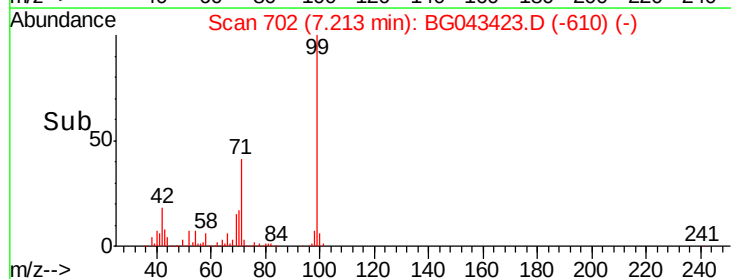
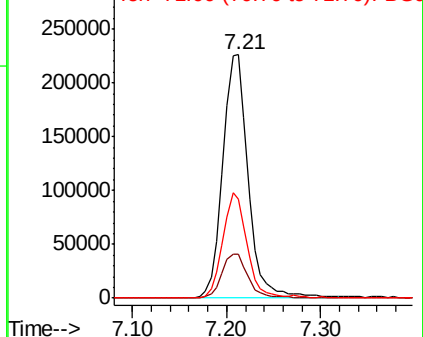
99 100

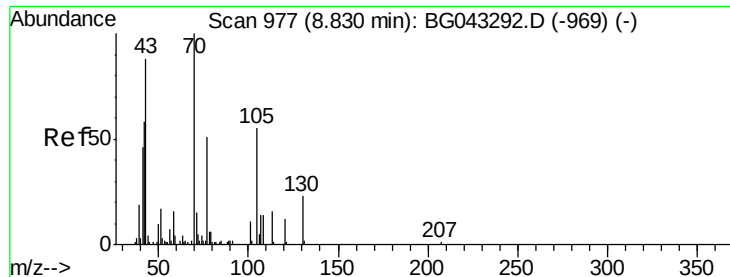
42 17.9 14.9 22.3

71 40.9 32.2 48.2



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

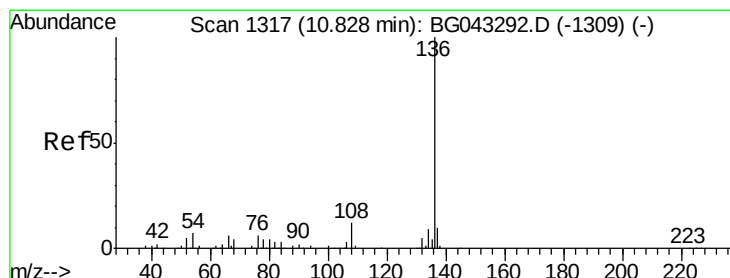
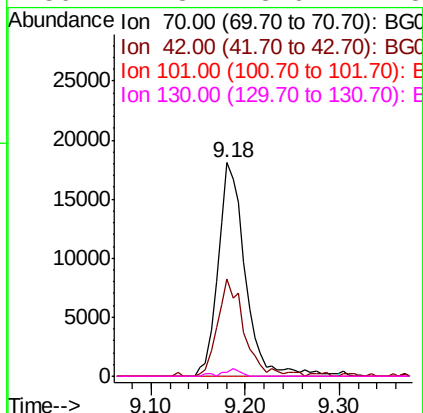
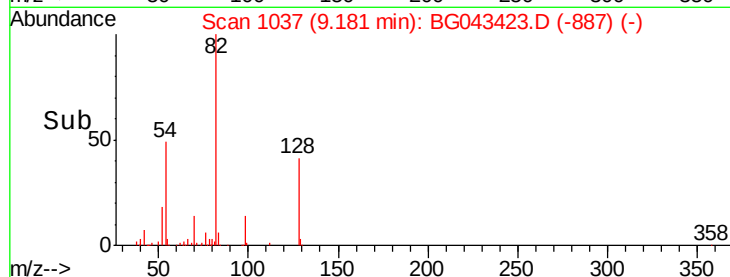
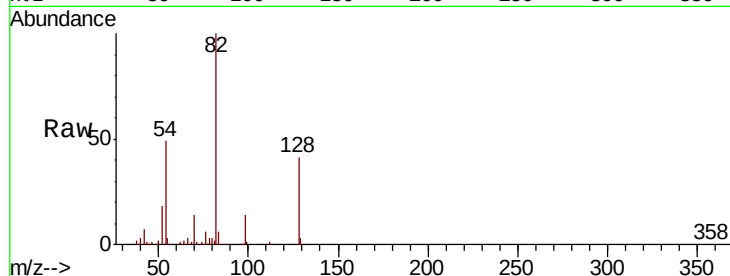




#19
n-Nitroso-di-n-propylamine
Concen: 16.612 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.35 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

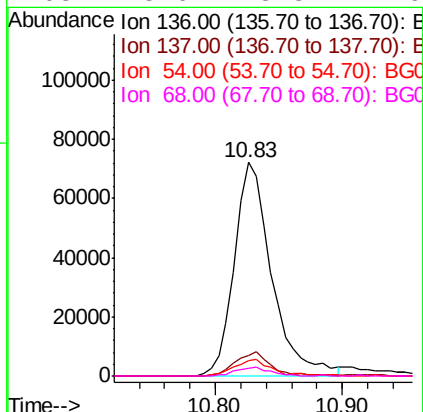
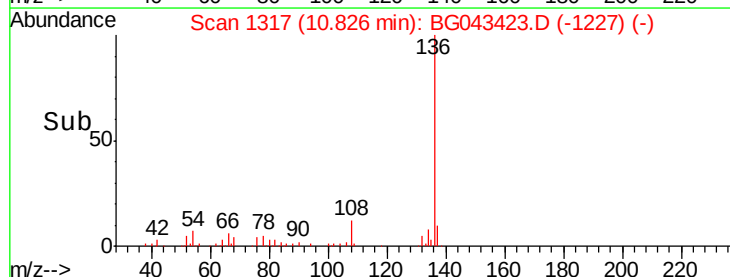
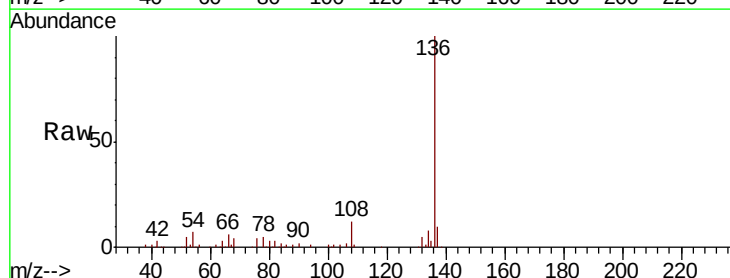
Instrument :
BNA_G
ClientSampled :

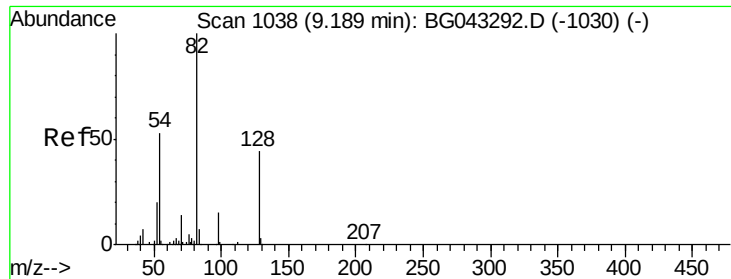
Tot Ion: 70 Resp: 36486
Ion Ratio Lower Upper
70 100
42 45.7 46.2 69.2#
101 0.0 8.6 13.0#
130 1.8 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

Tgt Ion: 136 Resp: 147774
Ion Ratio Lower Upper
136 100
137 9.7 8.2 12.2
54 7.2 5.4 8.2
68 3.6 3.3 4.9

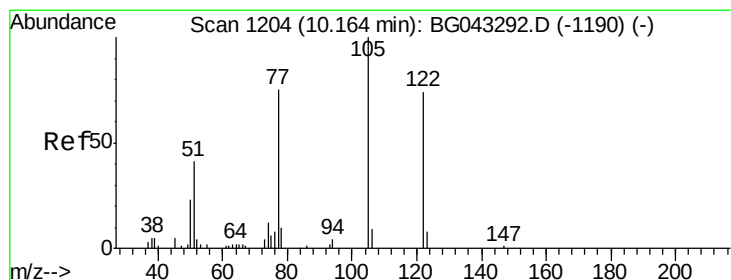
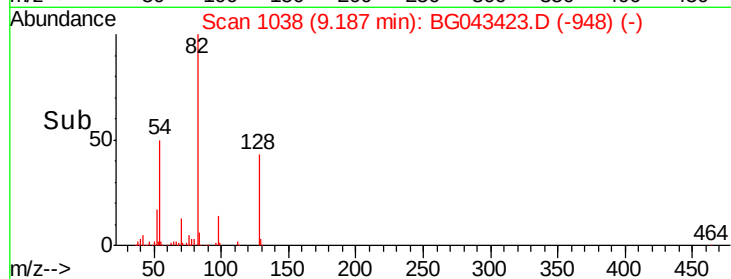
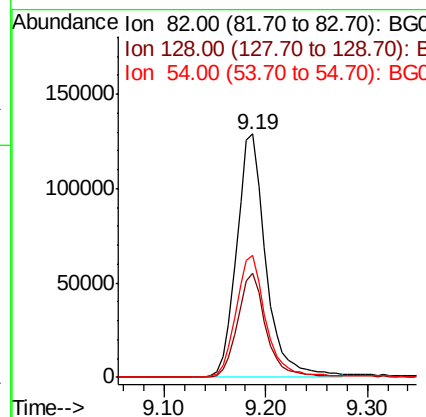
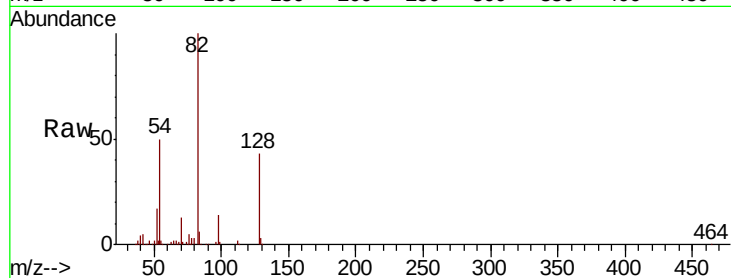




#23
Nitrobenzene-d5
Concen: 90.052 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

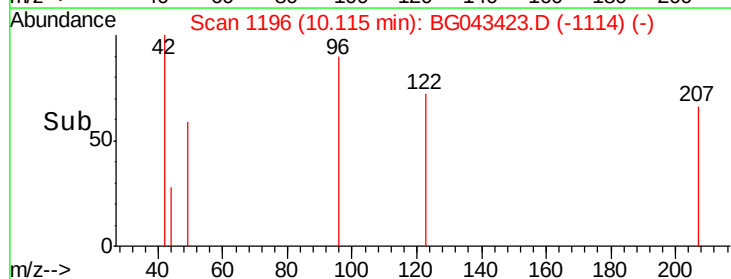
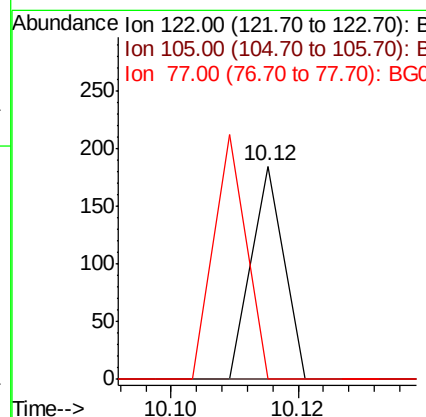
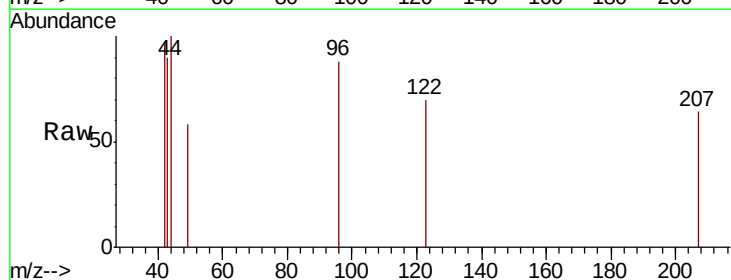
Instrument :
BNA_G
ClientSampleId :

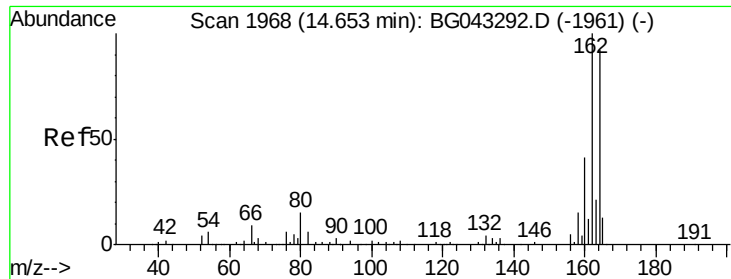
Tot Ion	82	Resp	258121
Ion Ratio	Lower	Upper	
82	100		
128	42.9	35.3	52.9
54	50.3	42.3	63.5



#32
Benzoic acid
Concen: 9.085 ng
RT: 10.12 min Scan# 1196
Delta R.T. -0.05 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

Tgt Ion	122	Resp	65
Ion Ratio	Lower	Upper	
122	100		
105	0.0	112.4	152.4#
77	0.0	82.7	122.7#

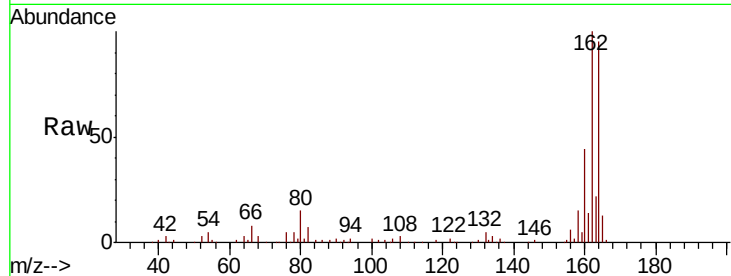




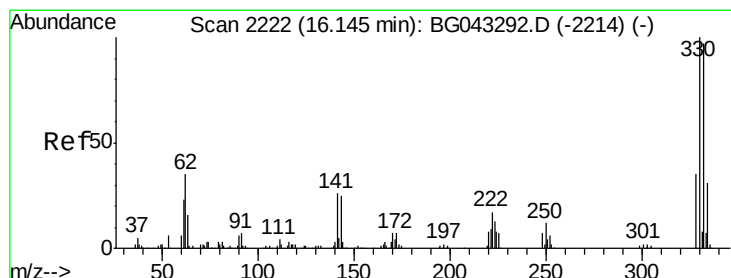
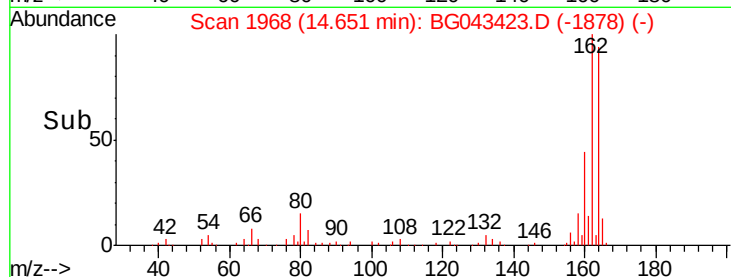
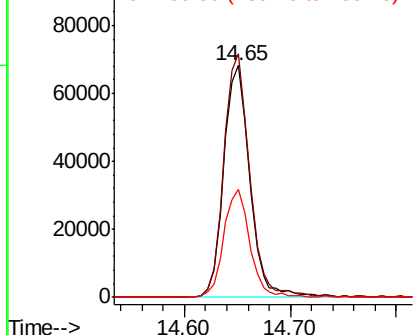
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 116858
Ion Ratio Lower Upper
164 100
162 105.0 87.0 130.4
160 46.3 35.5 53.3

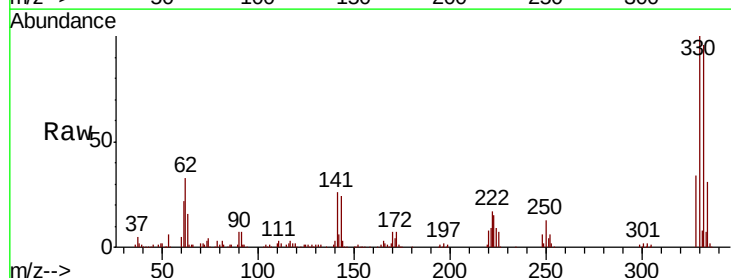


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

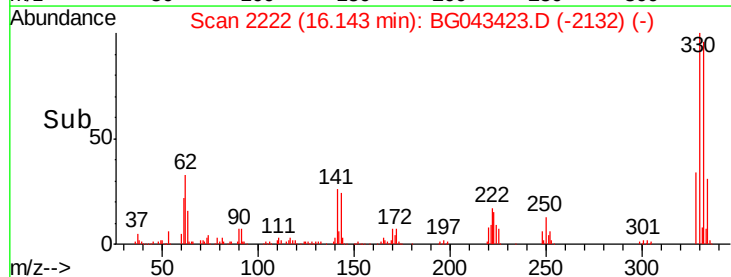
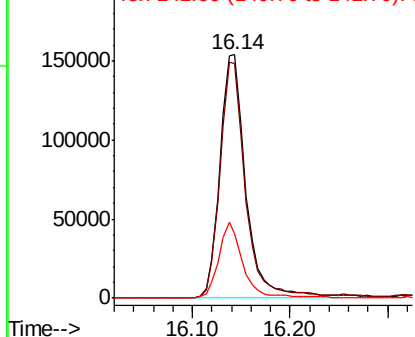


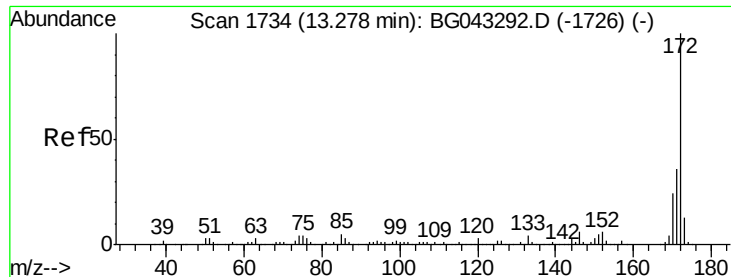
#42
2,4,6-Tribromophenol
Concen: 127.831 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

Tgt Ion:330 Resp: 284273
Ion Ratio Lower Upper
330 100
332 95.3 76.4 114.6
141 28.6 21.4 32.0



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



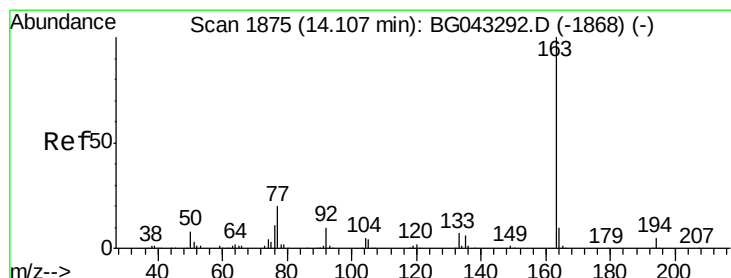
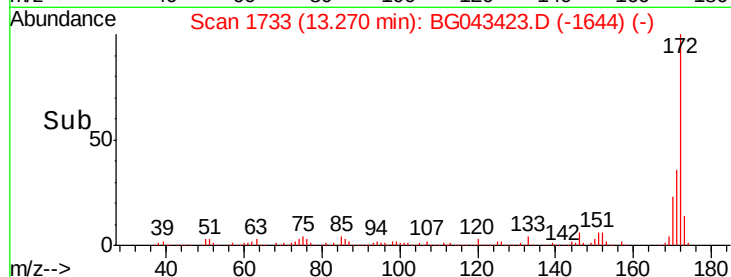
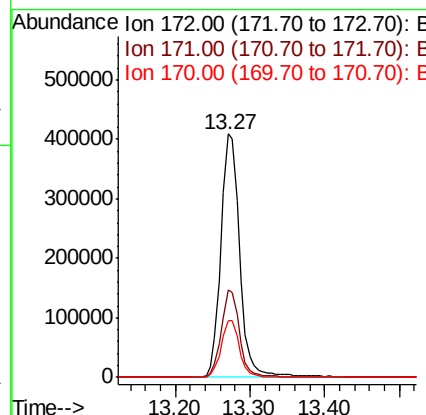
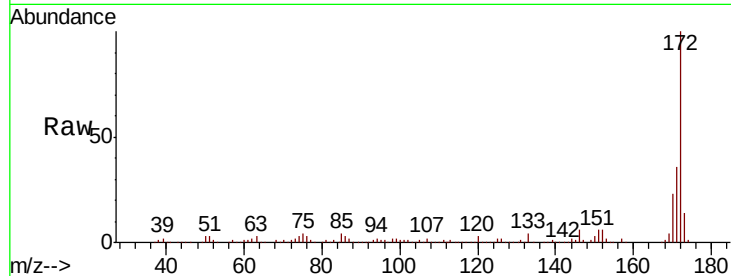


#45
 2-Fluorobiphenyl
 Concen: 84.973 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043423.D
 Acq: 31 Oct 2019 5:46

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 718609

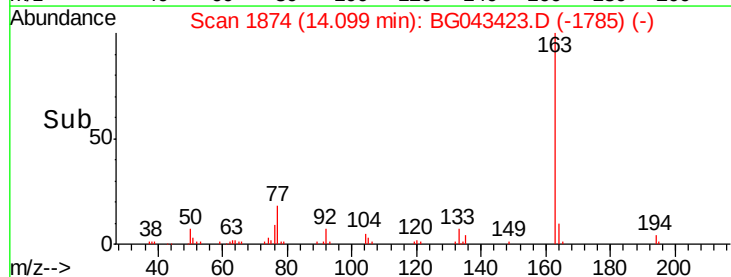
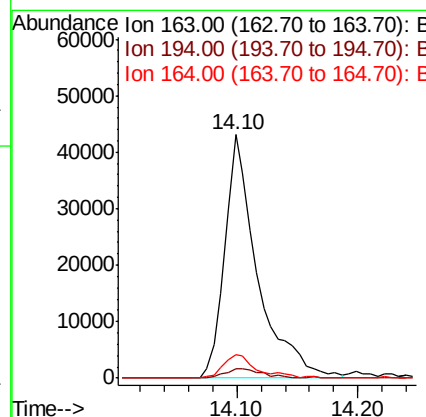
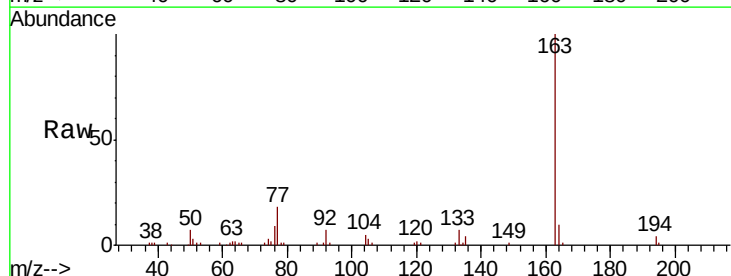
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.5	42.7
170	23.4	18.8	28.2

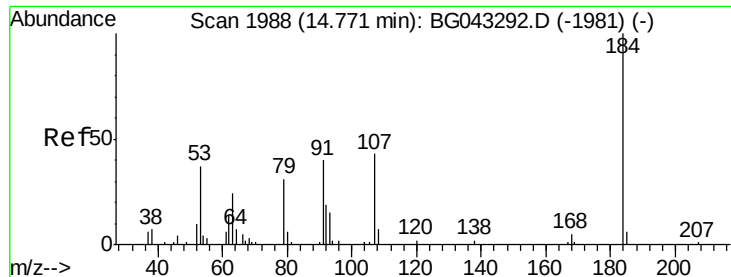


#50
 Dimethylphthalate
 Concen: 8.912 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BG043423.D
 Acq: 31 Oct 2019 5:46

Tgt Ion:163 Resp: 80668

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.7	5.5
164	9.9	8.1	12.1

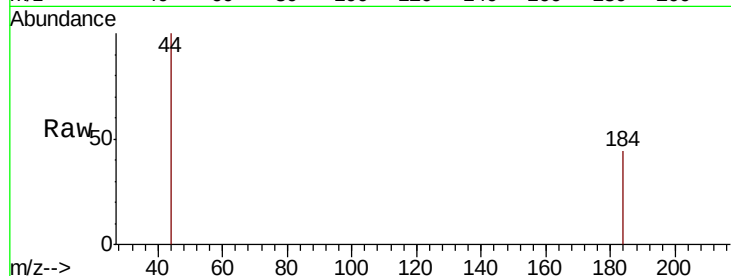




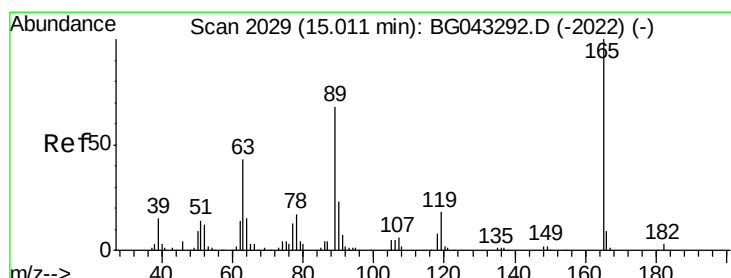
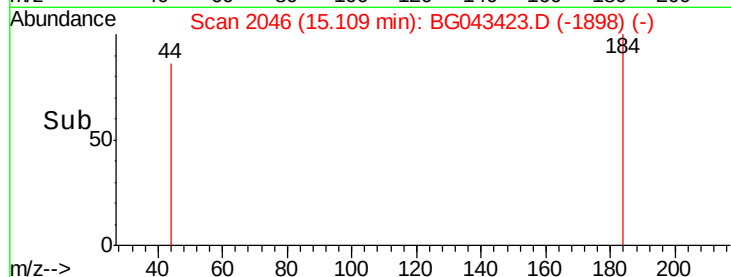
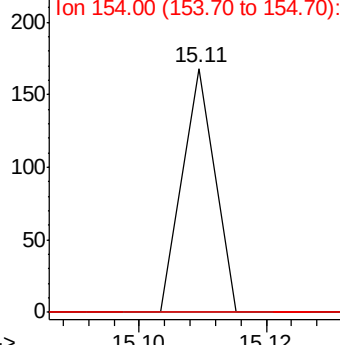
#54
2,4-Dinitrophenol
Concen: 7.326 ng
RT: 15.11 min Scan# 2046
Delta R.T. 0.34 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 48.8 73.2#
154 0.0 49.4 74.0#

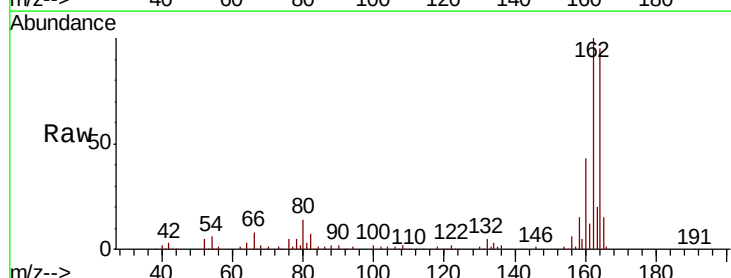


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 154.00 (153.70 to 154.70): E

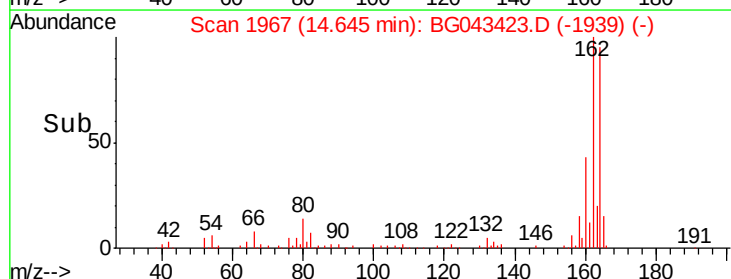
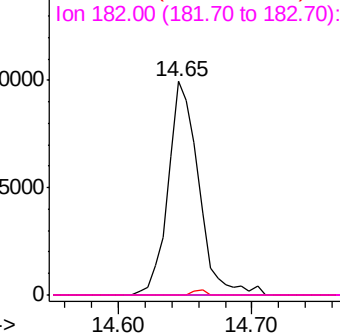


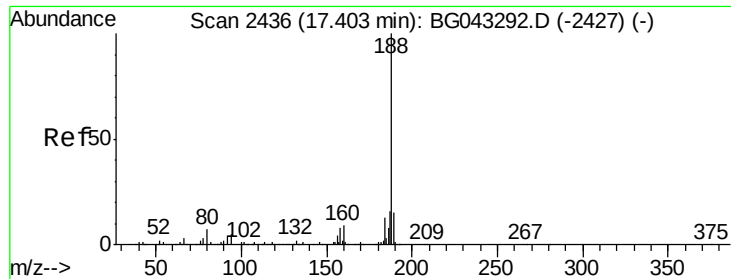
#57
2,4-Dinitrotoluene
Concen: 5.627 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.37 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

Tgt Ion:165 Resp: 15812
Ion Ratio Lower Upper
165 100
63 0.0 35.0 52.6#
89 0.0 54.1 81.1#
182 0.0 2.2 3.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043423.D

Acq: 31 Oct 2019 5:46

Instrument :

BNA_G

ClientSampleId :

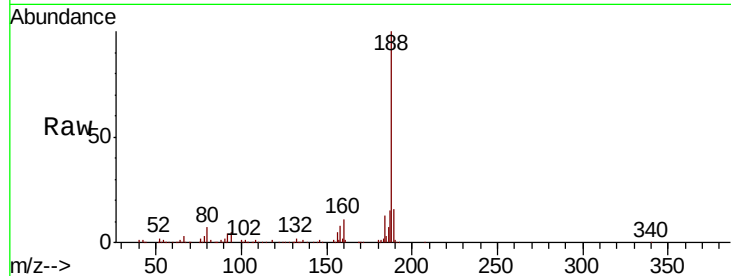
Tot Ion:188 Resp: 273652

Ion Ratio Lower Upper

188 100

94 5.1 4.2 6.2

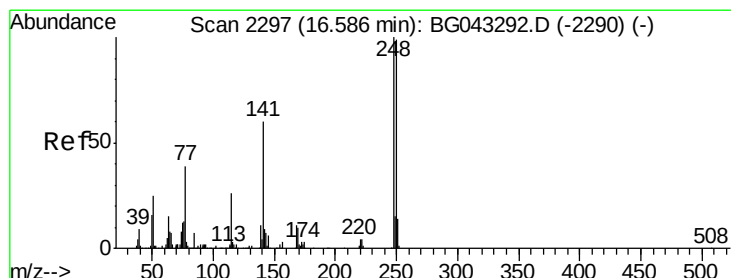
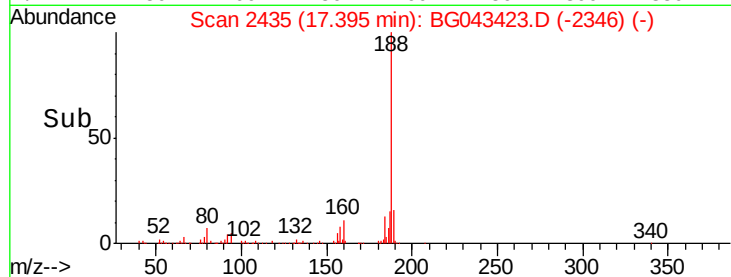
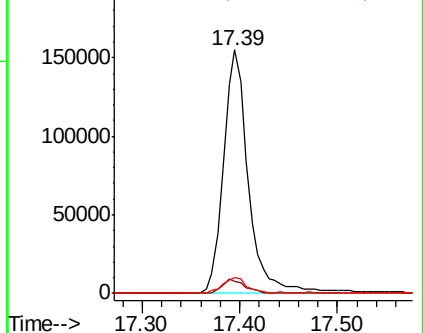
80 6.7 5.2 7.8



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



#67

4-Bromophenyl-phenylether

Concen: 5.143 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043423.D

Acq: 31 Oct 2019 5:46

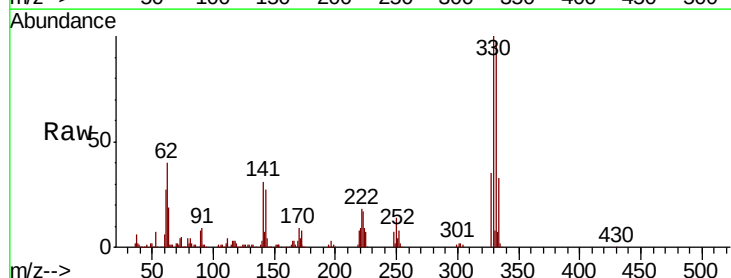
Tgt Ion:248 Resp: 18941

Ion Ratio Lower Upper

248 100

250 184.9 79.3 118.9#

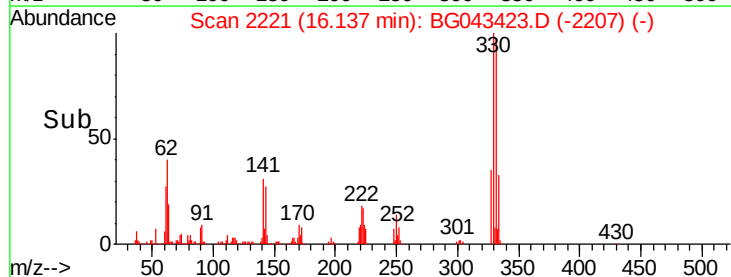
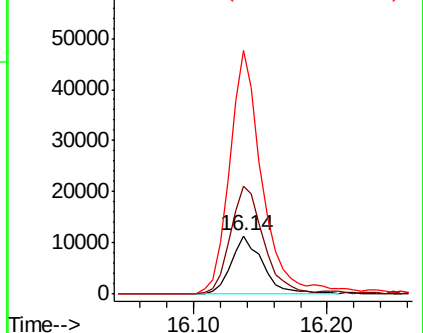
141 417.3 47.9 71.9#

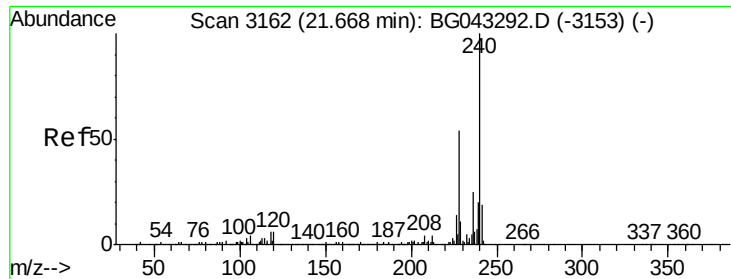


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

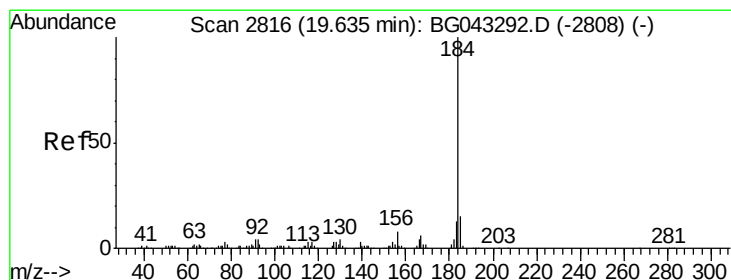
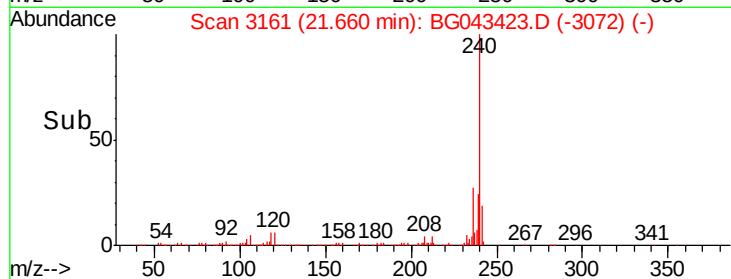
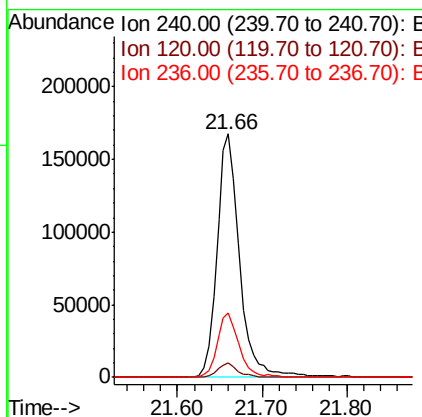
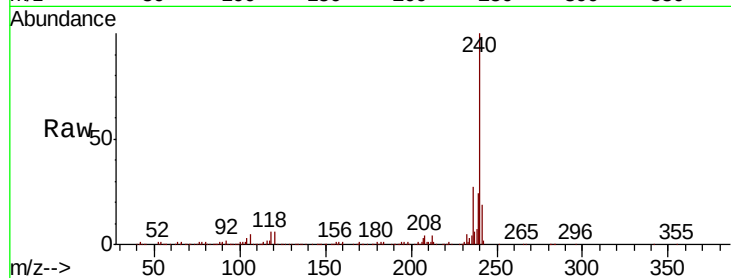




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

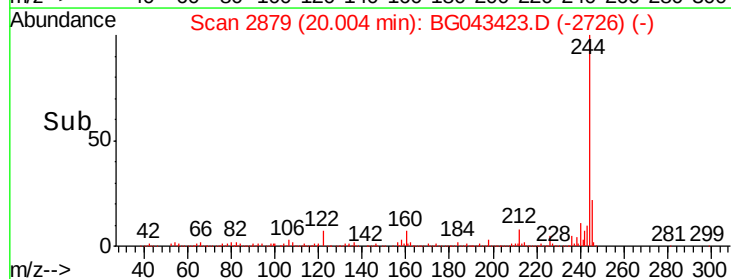
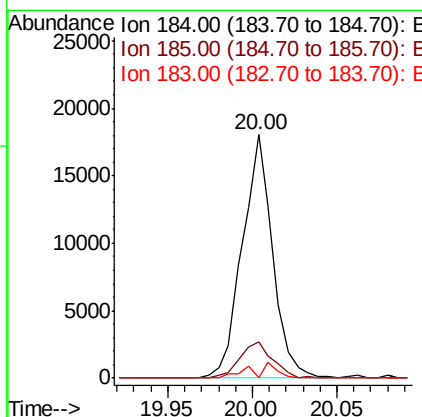
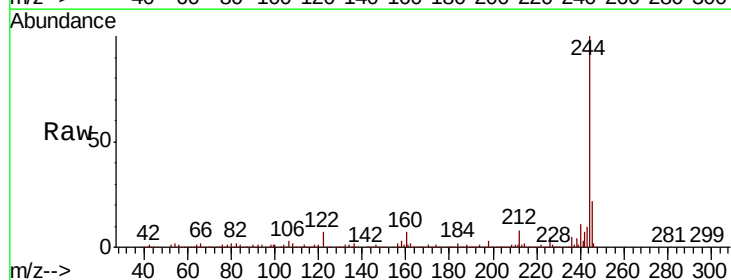
Instrument :
BNA_G
ClientSampleId :

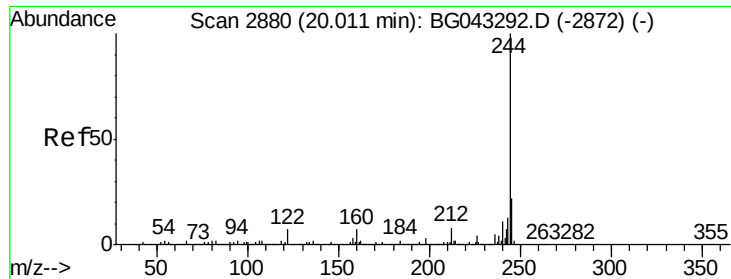
Tot Ion:240 Resp: 311620
Ion Ratio Lower Upper
240 100
120 5.7 4.6 7.0
236 26.6 20.2 30.4



#77
Benzidine
Concen: 3.611 ng
RT: 20.00 min Scan# 2879
Delta R.T. 0.37 min
Lab File: BG043423.D
Acq: 31 Oct 2019 5:46

Tgt Ion:184 Resp: 22647
Ion Ratio Lower Upper
184 100
185 14.8 11.8 17.6
183 0.0 10.6 16.0#



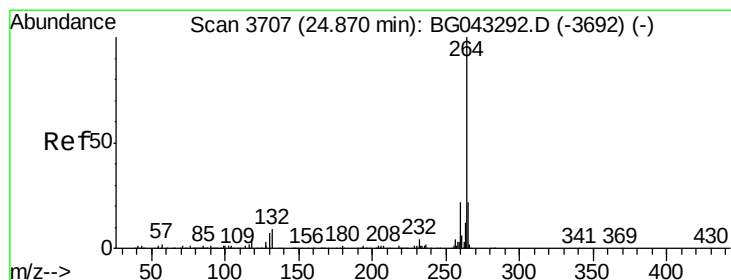
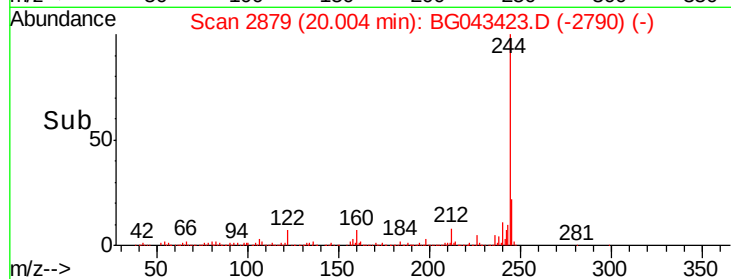
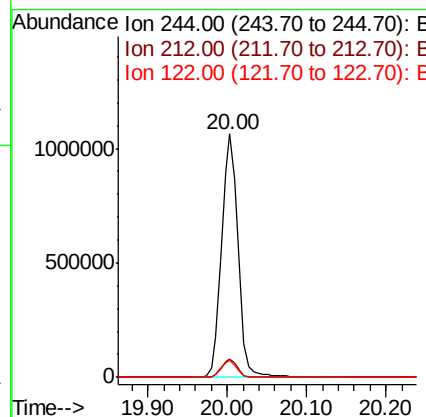
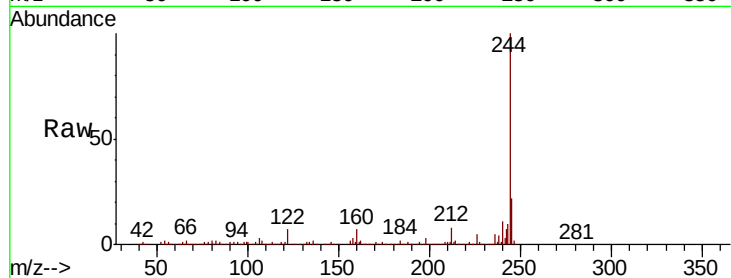


#79
 Terphenyl-d14
 Concen: 91.479 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG043423.D
 Acq: 31 Oct 2019 5:46

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1519507

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.4	9.6
122	7.2	5.3	7.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG043423.D
 Acq: 31 Oct 2019 5:46

Tgt Ion:264 Resp: 359368

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.9	26.9
265	21.8	17.4	26.2

