

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
 Data File : BG042857.D
 Acq On : 16 Sep 2019 20:28
 Operator : HP/JU
 Sample : K4866-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 17 01:21:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	103964	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	407547	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	275669	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	593799	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	568839	20.00	ng	-0.01
87) Perylene-d12	25.03	264	642140	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	458746	76.71	ng	0.00
7) Phenol-d6	7.27	99	431553	50.28	ng	0.00
23) Nitrobenzene-d5	9.28	82	863419	110.30	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	570741	155.62	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1765929	101.40	ng	0.00
79) Terphenyl-d14	20.08	244	2597362	101.20	ng	-0.01

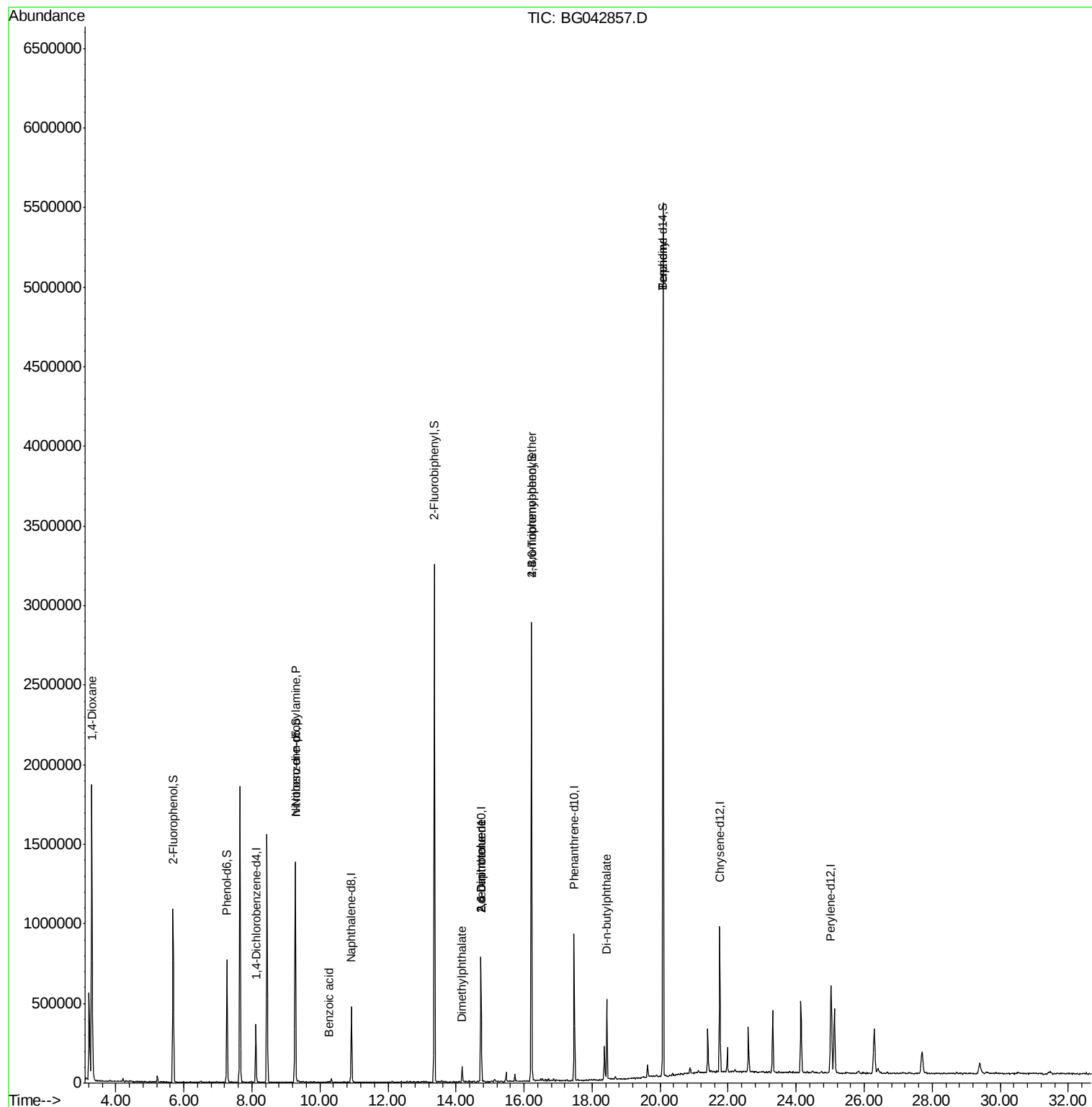
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	18007	6.598	ng	# 1
19) n-Nitroso-di-n-propylamine	9.28	70	120303	19.021	ng	# 68
32) Benzoic acid	10.26	122	72	5.978	ng	# 1
50) Dimethylphthalate	14.18	163	60125	2.911	ng	99
51) 2,6-Dinitrotoluene	14.74	165	37269	8.795	ng	# 20
57) 2,4-Dinitrotoluene	14.74	165	37269	6.599	ng	# 24
67) 4-Bromophenyl-phenylether	16.22	248	41521	5.777	ng	# 1
74) Di-n-butylphthalate	18.44	149	338796	10.488	ng	98
77) Benzidine	20.08	184	46608	2.933	ng	# 91

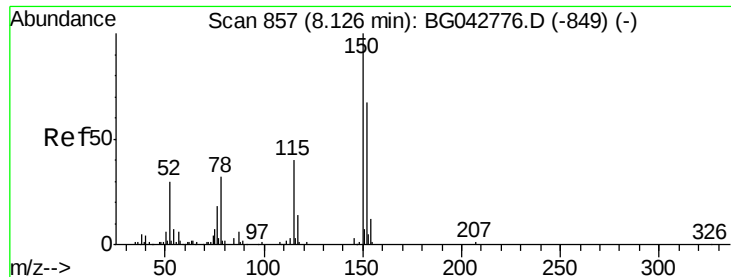
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

Instrument :

BNA_G

ClientSampleId :

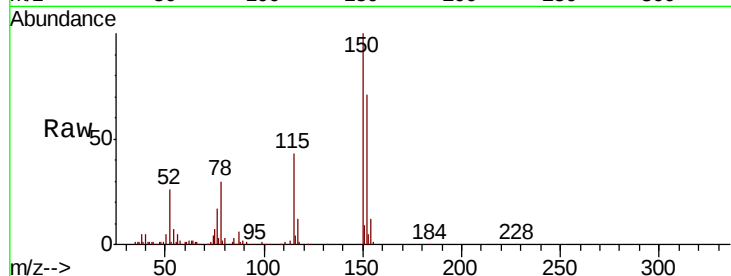
Tot Ion:152 Resp: 103964

Ion Ratio Lower Upper

152 100

150 141.8 118.9 178.3

115 60.3 47.4 71.2

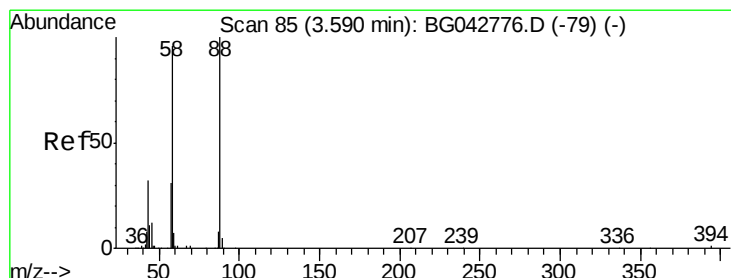
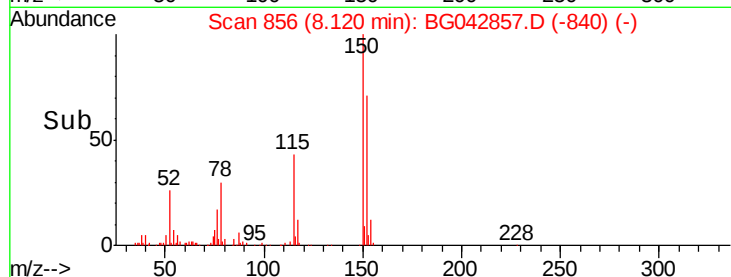
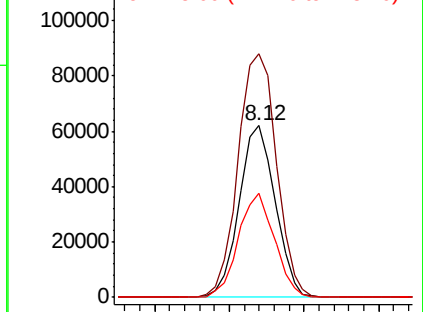


Abundance

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: 6.598 ng

RT: 3.30 min Scan# 35

Delta R.T. -0.29 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

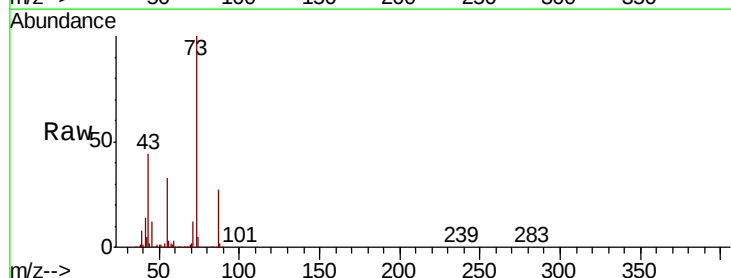
Tgt Ion: 88 Resp: 18007

Ion Ratio Lower Upper

88 100

58 24.4 79.1 118.7#

43 2564.9 30.4 45.6#

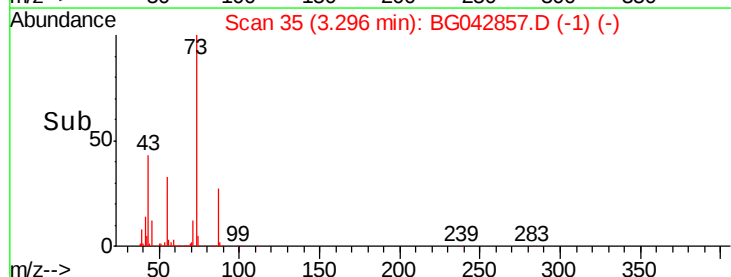
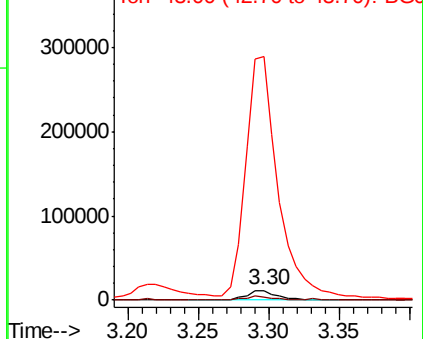


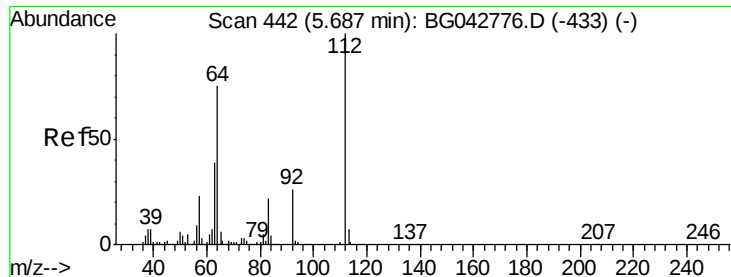
Abundance

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: 76.714 ng

RT: 5.68 min Scan# 441

Delta R.T. -0.01 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

Instrument :

BNA_G

ClientSampleId :

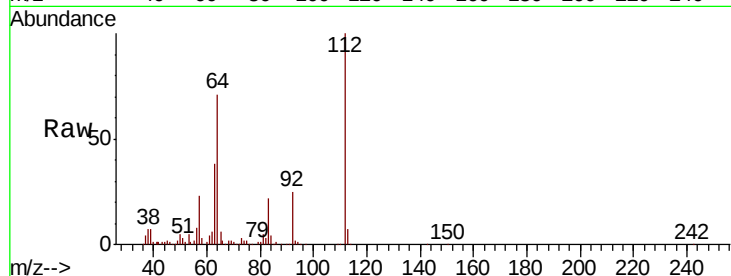
Tot Ion:112 Resp: 458746

Ion Ratio Lower Upper

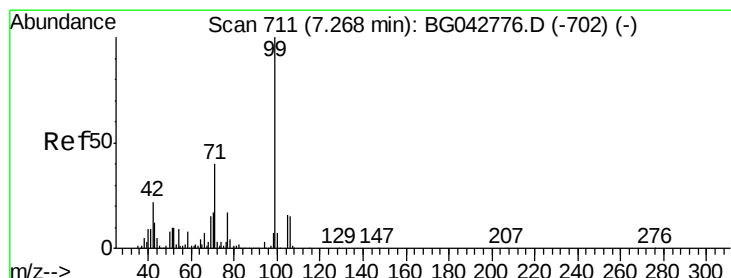
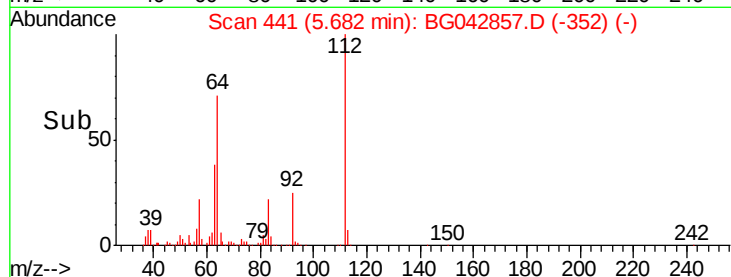
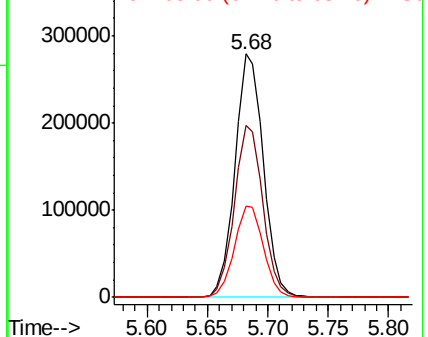
112 100

64 70.9 60.2 90.2

63 37.6 31.2 46.8



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: 50.279 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

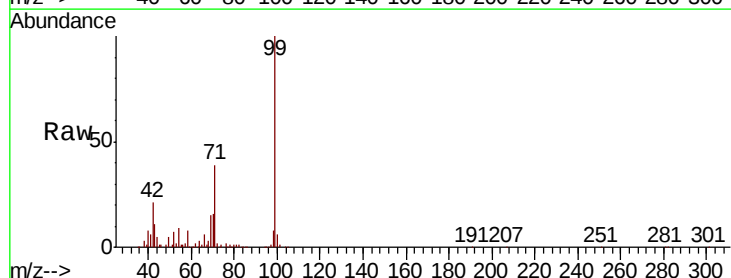
Tgt Ion: 99 Resp: 431553

Ion Ratio Lower Upper

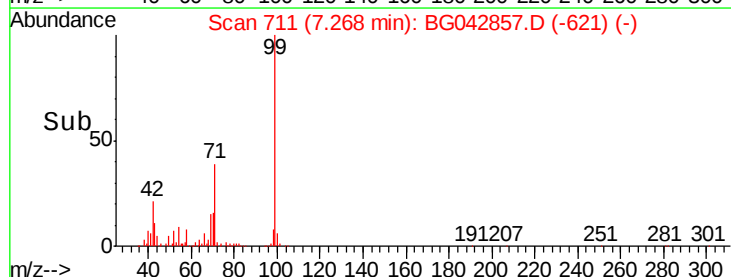
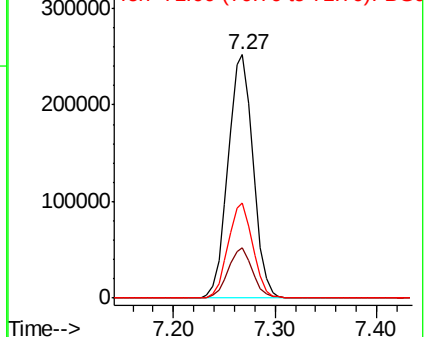
99 100

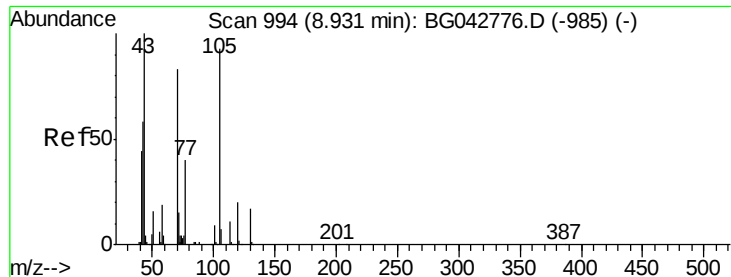
42 20.7 17.5 26.3

71 38.9 32.0 48.0



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

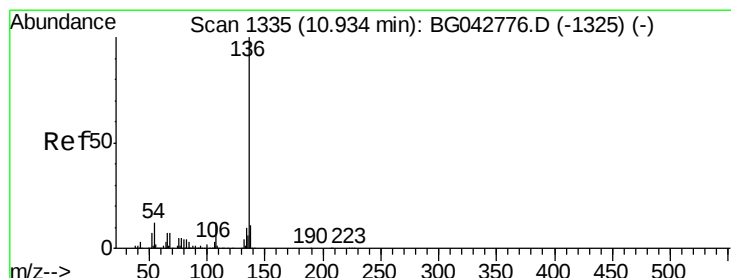
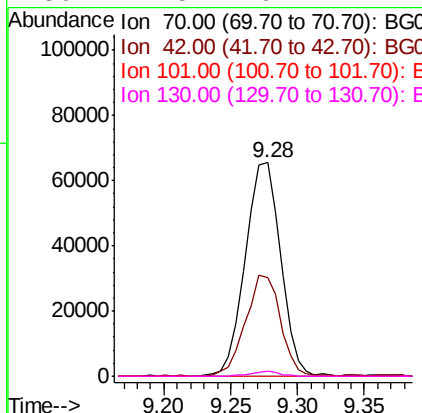
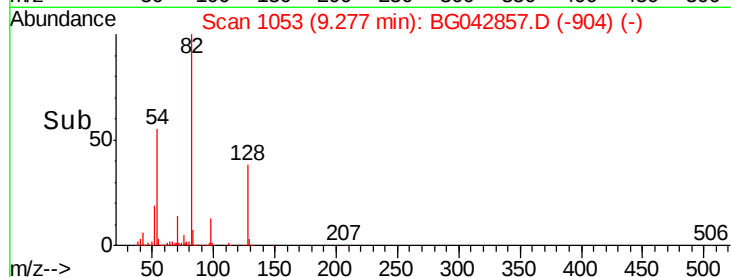
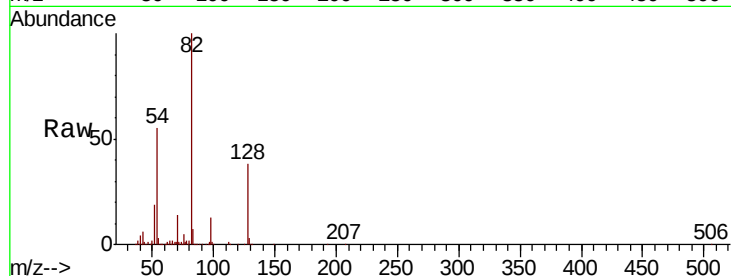




#19
n-Nitroso-di-n-propylamine
Concen: 19.021 ng
RT: 9.28 min Scan# 1053
Delta R.T. 0.35 min
Lab File: BG042857.D
Acq: 16 Sep 2019 20:28

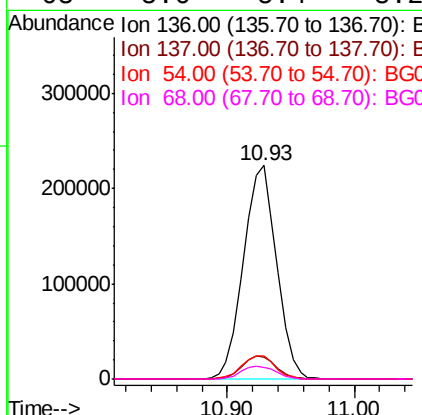
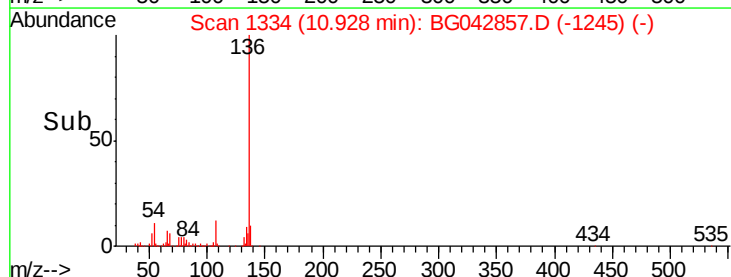
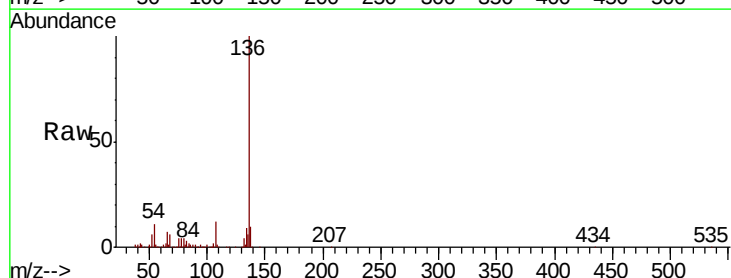
Instrument :
BNA_G
ClientSampleId :

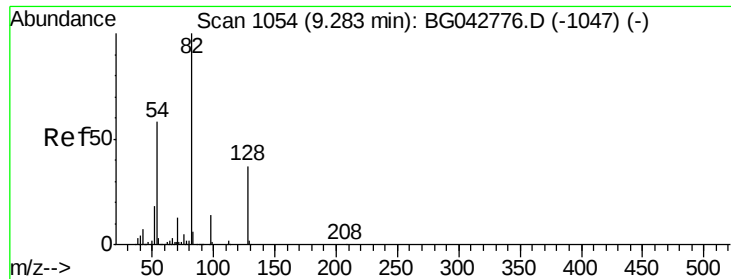
Tot Ion	Ratio	Lower	Upper
70	100		
42	46.3	57.0	85.6#
101	0.0	8.4	12.6#
130	2.5	16.1	24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042857.D
Acq: 16 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.0	13.6
54	10.6	9.4	14.0
68	5.6	5.4	8.2

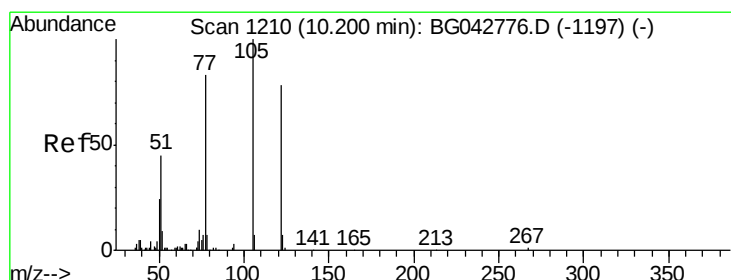
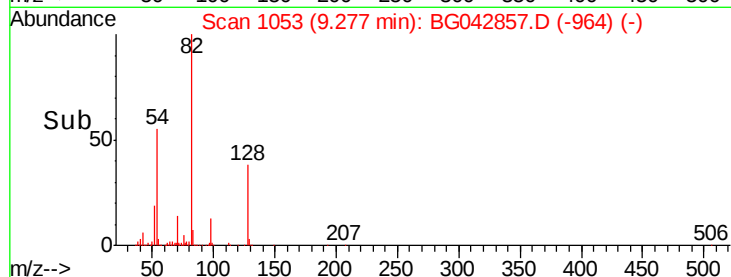
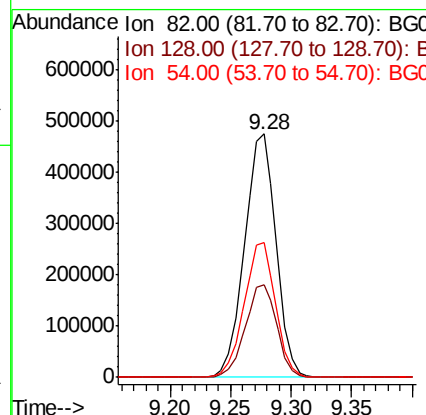
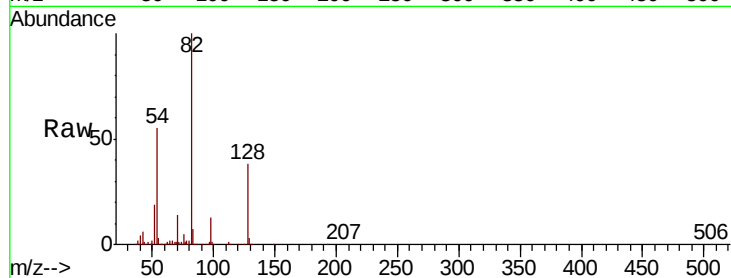




#23
 Nitrobenzene-d5
 Concen: 110.298 ng
 RT: 9.28 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BG042857.D
 Acq: 16 Sep 2019 20:28

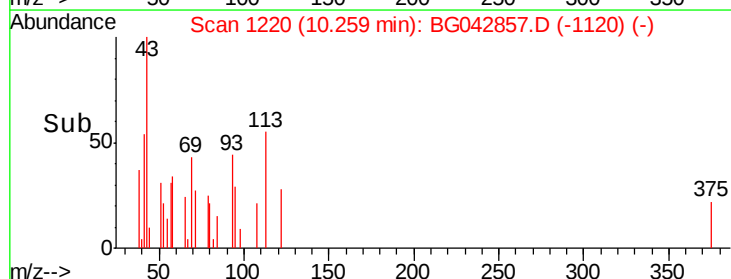
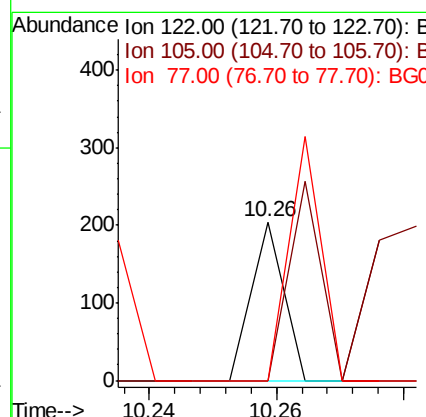
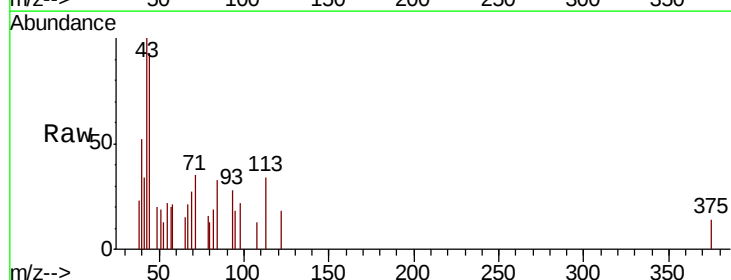
Instrument :
 BNA_G
 ClientSampleId :

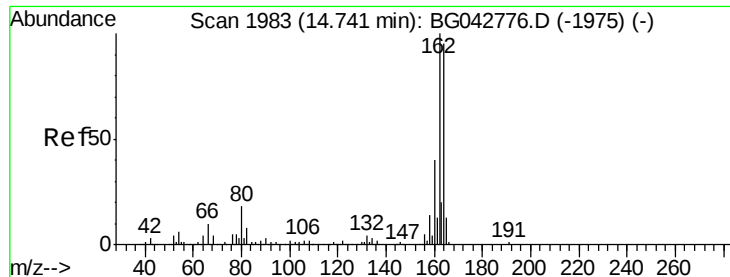
Tot Ion	82	Resp	863419
Ion Ratio	Lower	Upper	
82	100		
128	38.2	29.8	44.8
54	55.4	46.1	69.1



#32
 Benzoic acid
 Concen: 5.978 ng
 RT: 10.26 min Scan# 1220
 Delta R.T. 0.06 min
 Lab File: BG042857.D
 Acq: 16 Sep 2019 20:28

Tgt Ion	122	Resp	72
Ion Ratio	Lower	Upper	
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

Instrument :

BNA_G

ClientSampled :

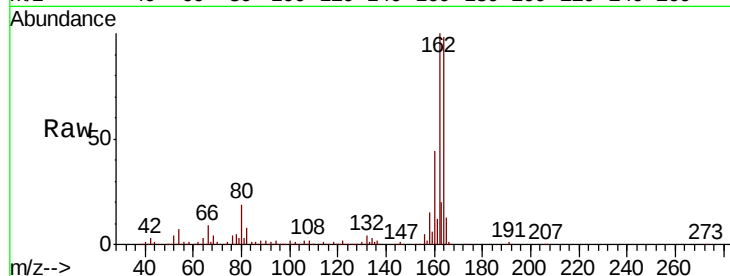
Tot Ion:164 Resp: 275669

Ion Ratio Lower Upper

164 100

162 102.4 84.6 126.8

160 44.8 34.2 51.2

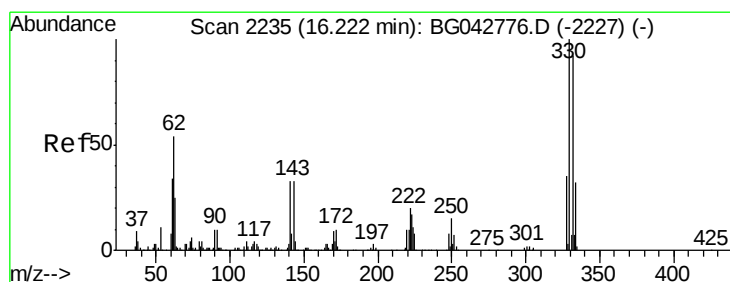
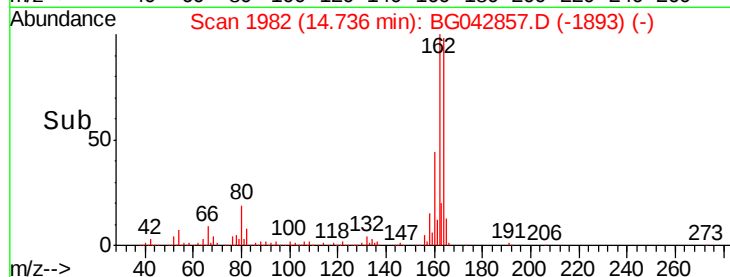
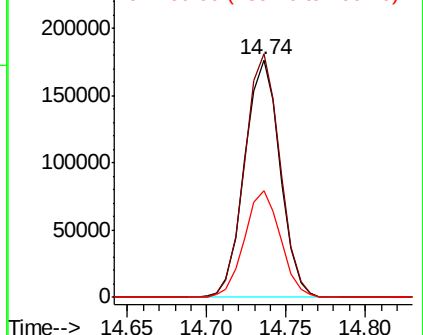


Abundance

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: 155.619 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.00 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

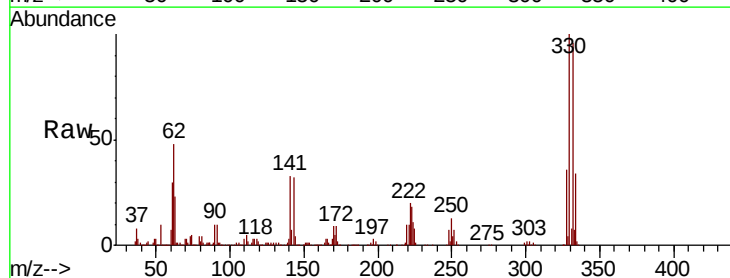
Tgt Ion:330 Resp: 570741

Ion Ratio Lower Upper

330 100

332 96.9 76.7 115.1

141 35.0 27.0 40.6

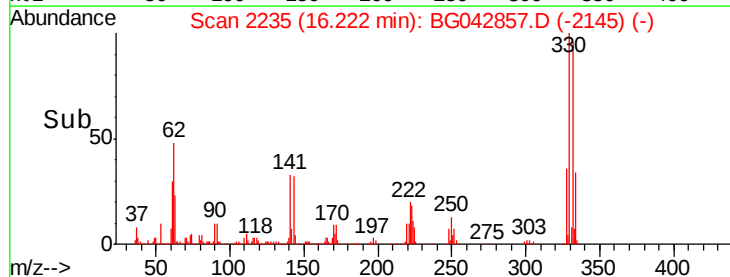
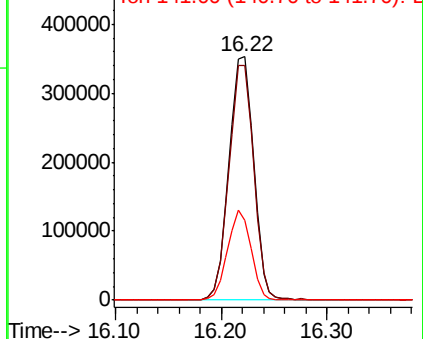


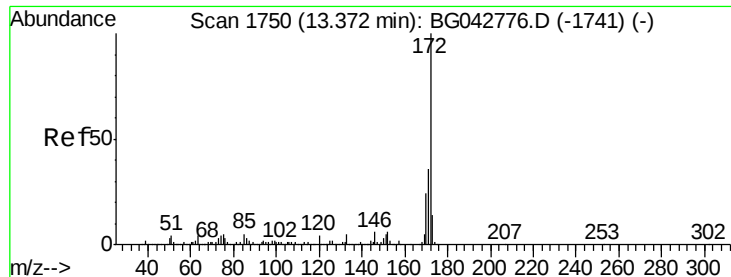
Abundance

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

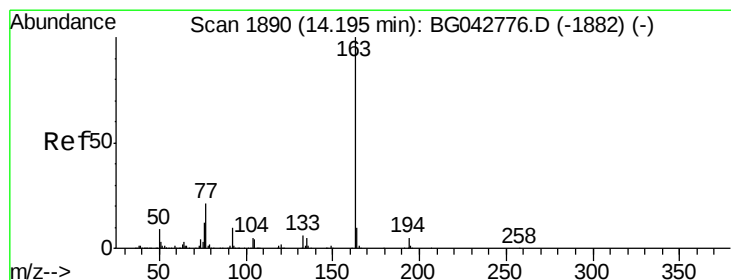
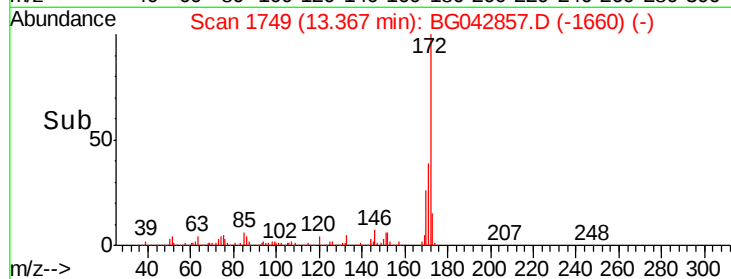
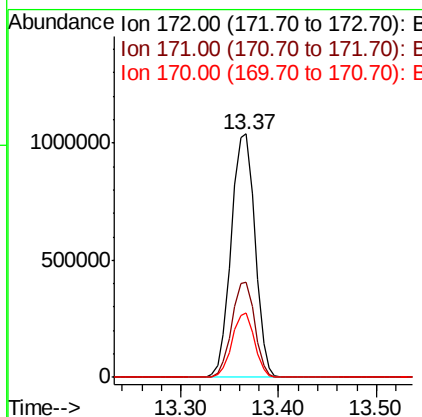
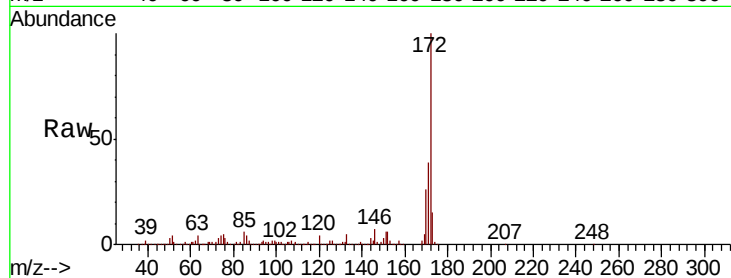




#45
2-Fluorobiphenyl
Concen: 101.402 ng
RT: 13.37 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BG042857.D
Acq: 16 Sep 2019 20:28

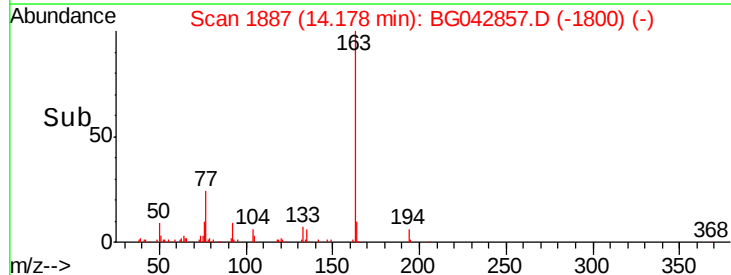
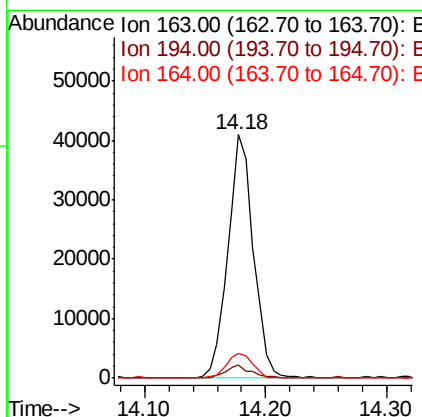
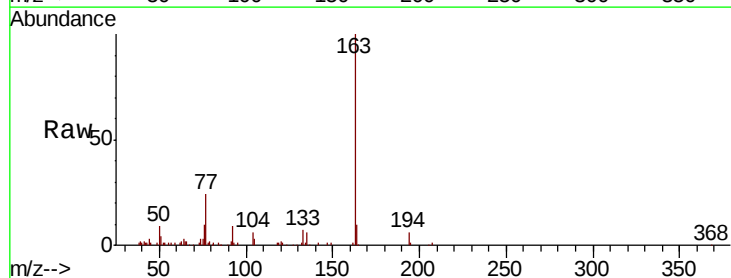
Instrument :
BNA_G
ClientSampleId :

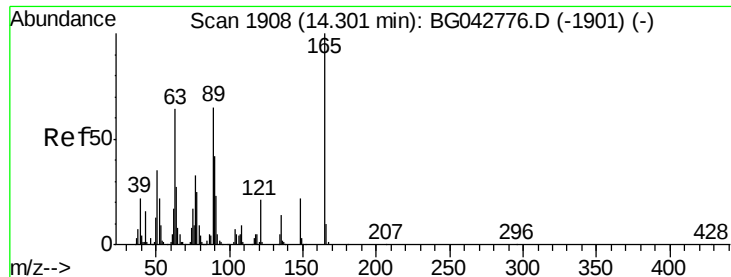
Tot Ion:172 Resp: 1765929
Ion Ratio Lower Upper
172 100
171 39.3 28.9 43.3
170 26.2 19.1 28.7



#50
Dimethylphthalate
Concen: 2.911 ng
RT: 14.18 min Scan# 1887
Delta R.T. -0.02 min
Lab File: BG042857.D
Acq: 16 Sep 2019 20:28

Tgt Ion:163 Resp: 60125
Ion Ratio Lower Upper
163 100
194 5.6 4.2 6.4
164 10.3 8.4 12.6

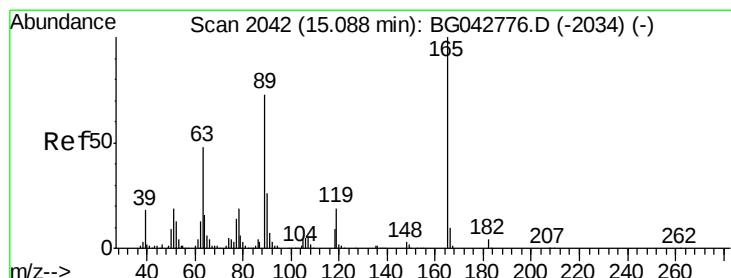
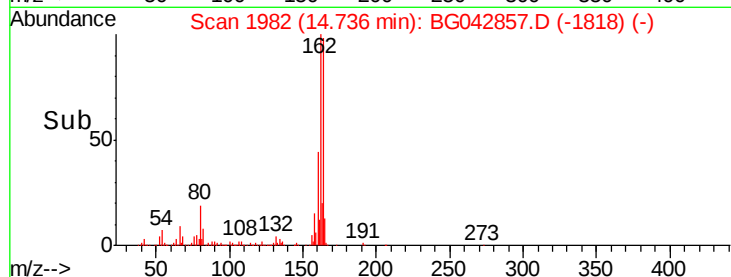
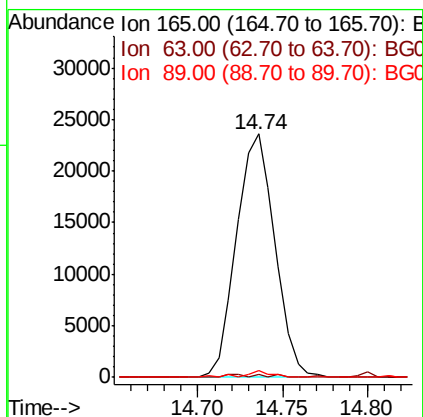
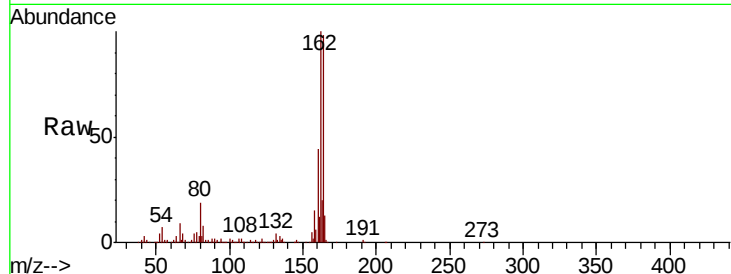




#51
 2,6-Dinitrotoluene
 Concen: 8.795 ng
 RT: 14.74 min Scan# 1982
 Delta R.T. 0.43 min
 Lab File: BG042857.D
 Acq: 16 Sep 2019 20:28

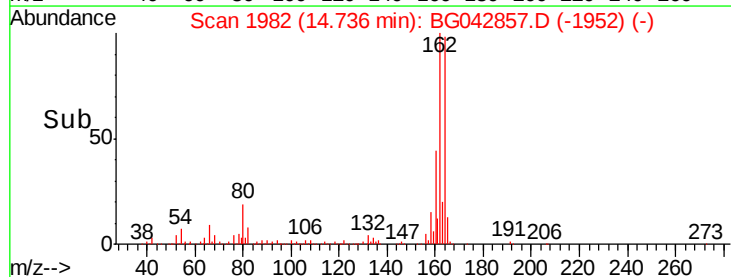
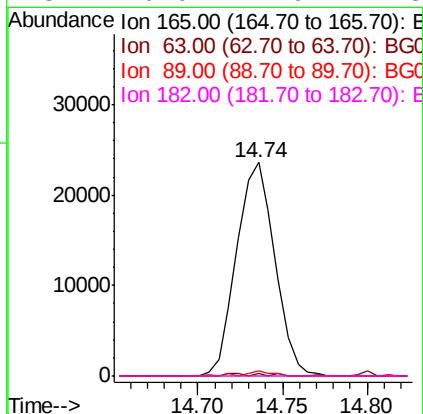
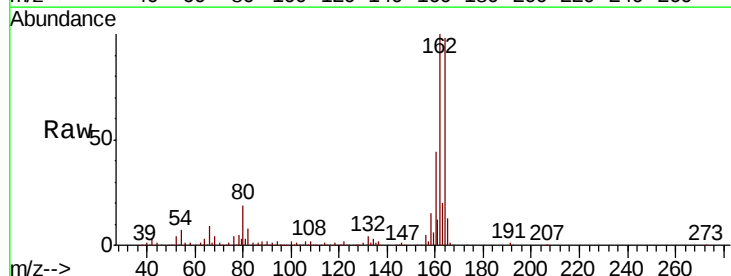
Instrument :
 BNA_G
 ClientSampleId :

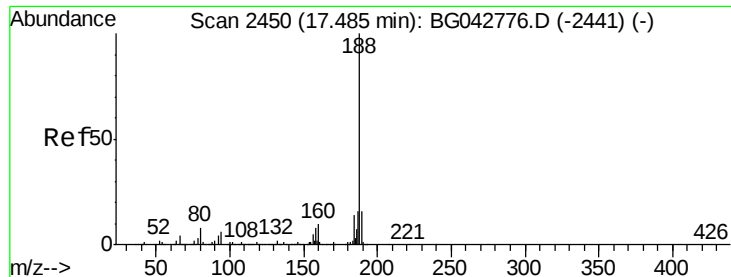
Tot Ion:165 Resp: 37269
 Ion Ratio Lower Upper
 165 100
 63 1.1 52.1 78.1#
 89 2.7 51.7 77.5#



#57
 2,4-Dinitrotoluene
 Concen: 6.599 ng
 RT: 14.74 min Scan# 1982
 Delta R.T. -0.35 min
 Lab File: BG042857.D
 Acq: 16 Sep 2019 20:28

Tgt Ion:165 Resp: 37269
 Ion Ratio Lower Upper
 165 100
 63 1.1 38.3 57.5#
 89 2.7 58.4 87.6#
 182 0.0 2.9 4.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

Instrument :

BNA_G

ClientSampleId :

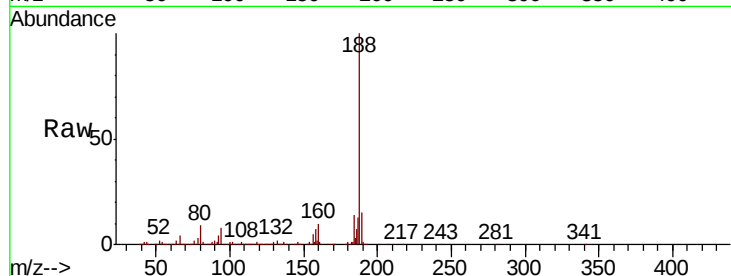
Tot Ion:188 Resp: 593799

Ion Ratio Lower Upper

188 100

94 7.8 4.8 7.2#

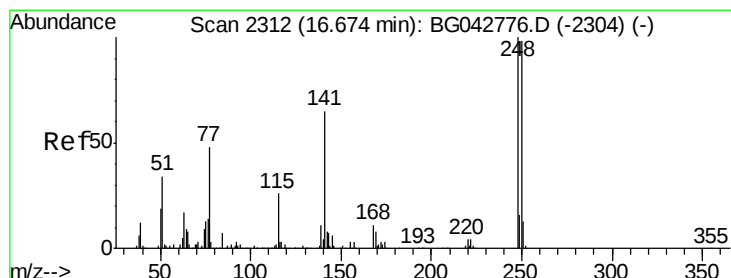
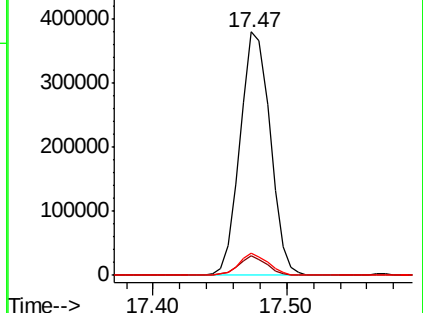
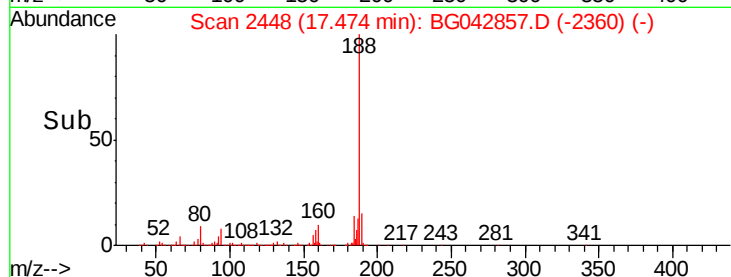
80 9.2 6.6 9.8



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: 5.777 ng

RT: 16.22 min Scan# 2234

Delta R.T. -0.46 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

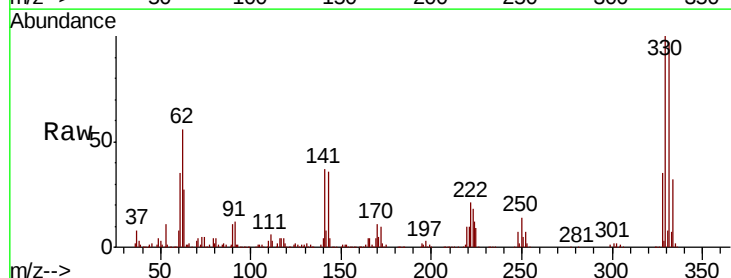
Tgt Ion:248 Resp: 41521

Ion Ratio Lower Upper

248 100

250 185.9 78.0 117.0#

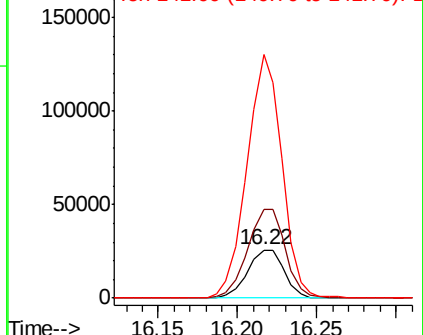
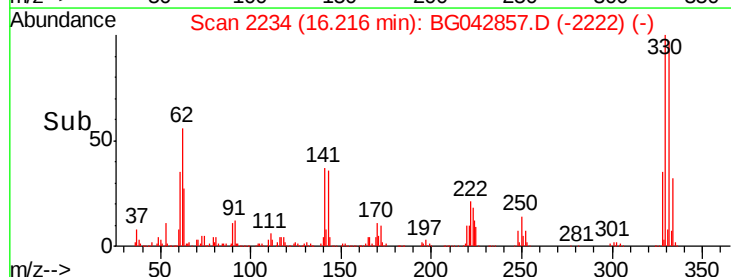
141 509.2 51.8 77.6#

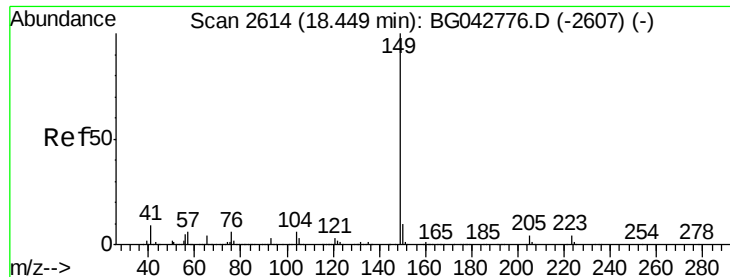


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Di-n-butylphthalate

Concen: 10.488 ng

RT: 18.44 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

Instrument :

BNA_G

ClientSampleId :

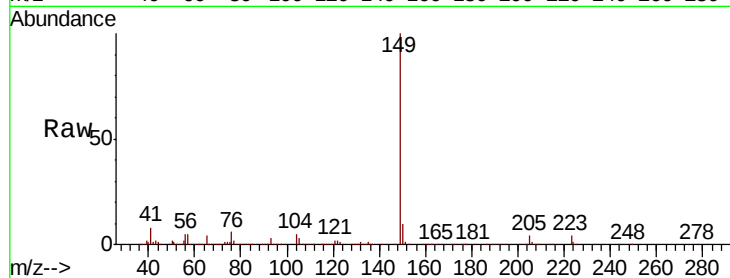
Tot Ion:149 Resp: 338796

Ion Ratio Lower Upper

149 100

150 9.7 8.0 12.0

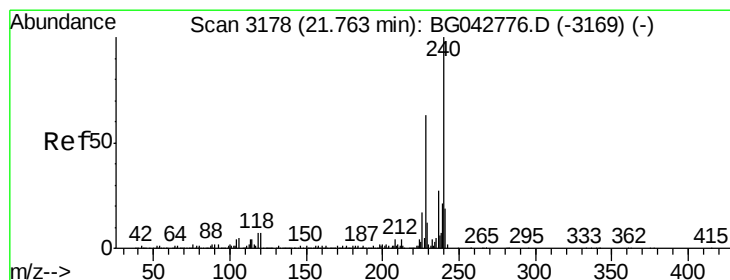
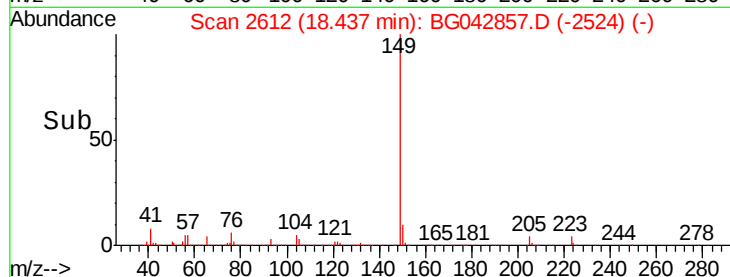
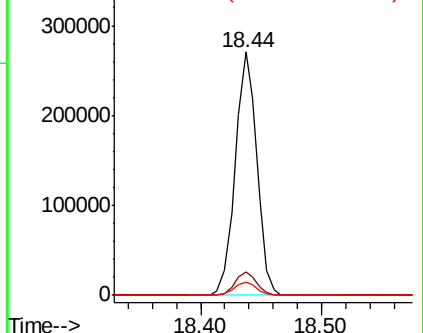
104 5.3 5.1 7.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

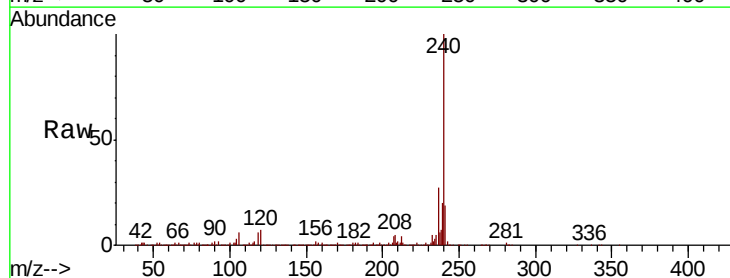
Tgt Ion:240 Resp: 568839

Ion Ratio Lower Upper

240 100

120 7.4 5.4 8.2

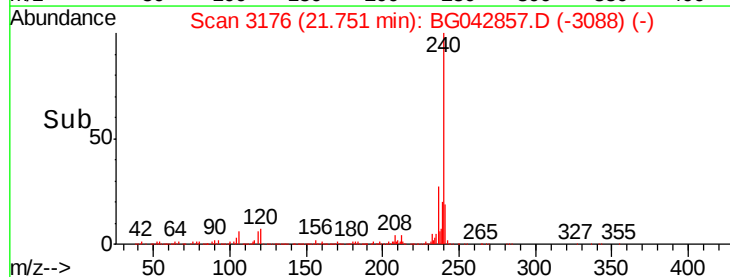
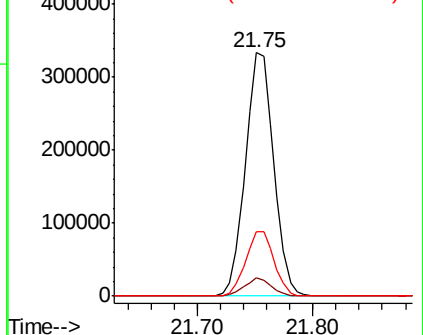
236 26.5 21.7 32.5

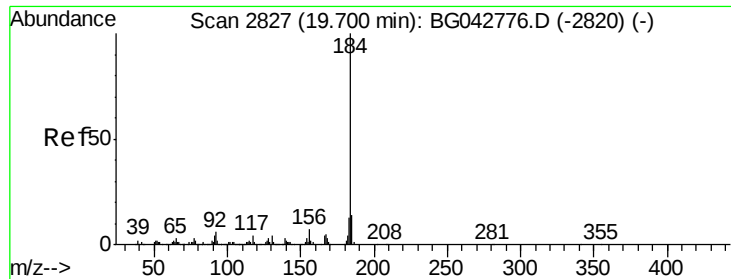


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.933 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.38 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

Instrument :

BNA_G

ClientSampleId :

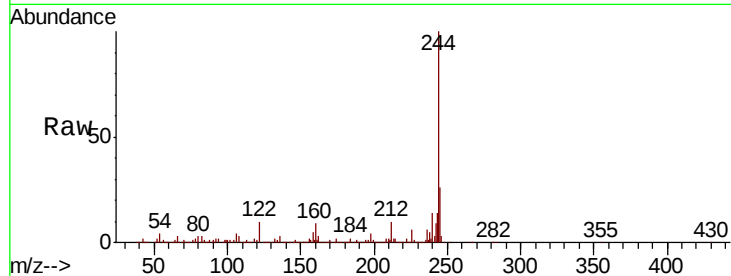
Tot Ion:184 Resp: 46608

Ion Ratio Lower Upper

184 100

185 15.7 11.6 17.4

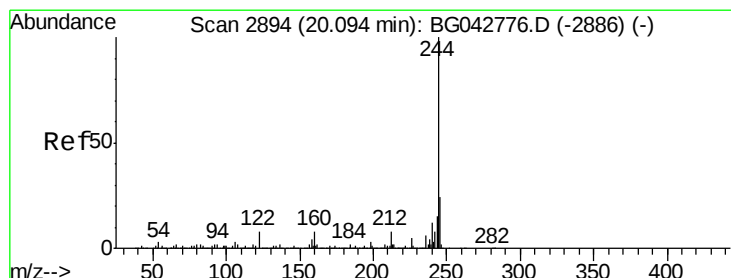
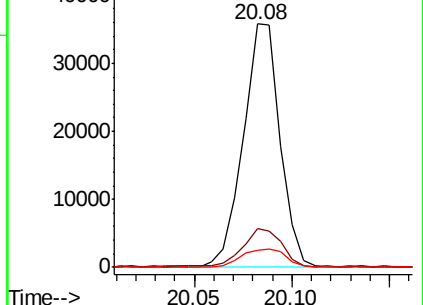
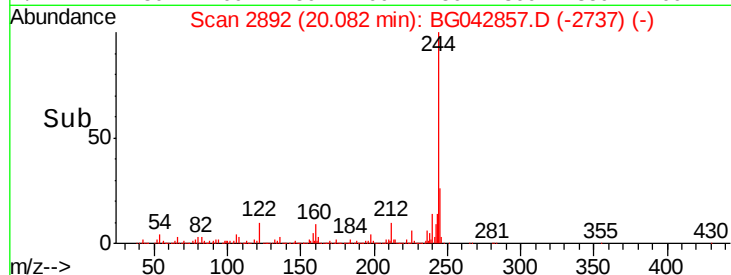
183 7.2 10.4 15.6#



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: 101.197 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042857.D

Acq: 16 Sep 2019 20:28

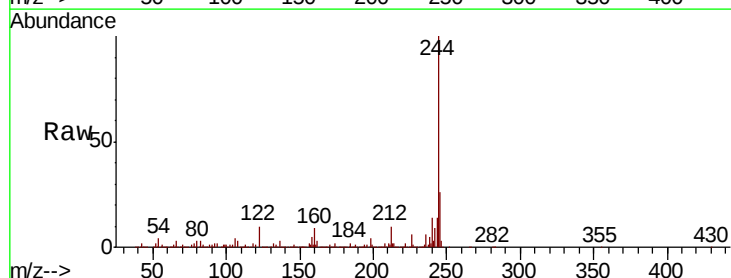
Tgt Ion:244 Resp: 2597362

Ion Ratio Lower Upper

244 100

212 9.6 6.6 10.0

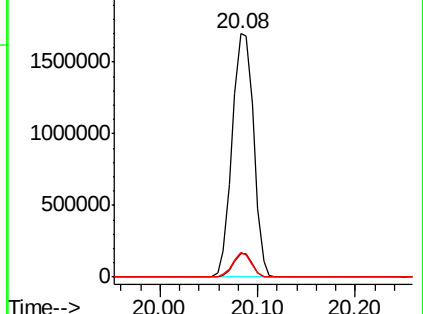
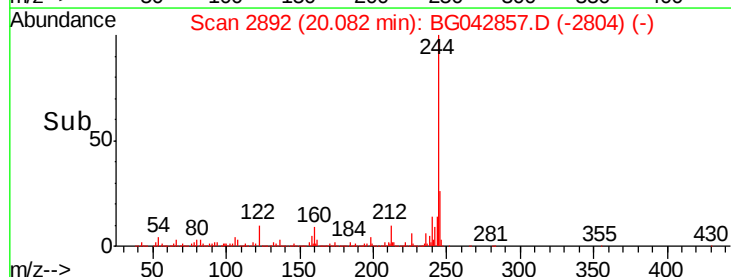
122 10.1 6.2 9.4#

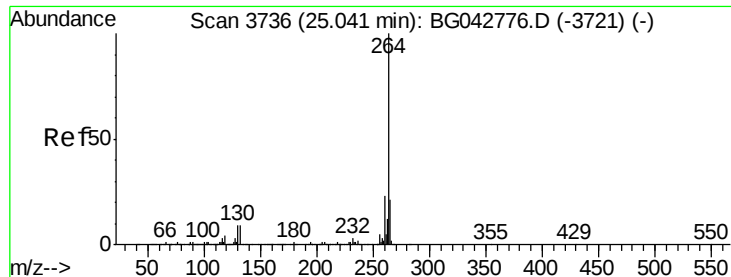


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.03 min Scan# 3734
 Delta R.T. -0.01 min
 Lab File: BG042857.D
 Acq: 16 Sep 2019 20:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.2
265	21.2	16.9	25.3

