

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
 Data File : BG042805.D
 Acq On : 13 Sep 2019 7:03
 Operator : HP/JU
 Sample : K4850-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 08:32:51 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	81846	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	304409	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	206285	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	489849	20.00	ng	0.00
76) Chrysene-d12	21.75	240	519560	20.00	ng	-0.01
87) Perylene-d12	25.02	264	563916	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	562818	119.55	ng	0.00
7) Phenol-d6	7.27	99	766113	113.38	ng	0.00
23) Nitrobenzene-d5	9.28	82	571027	97.66	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	379991	138.46	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1208411	92.73	ng	0.00
79) Terphenyl-d14	20.09	244	2154059	91.89	ng	0.00

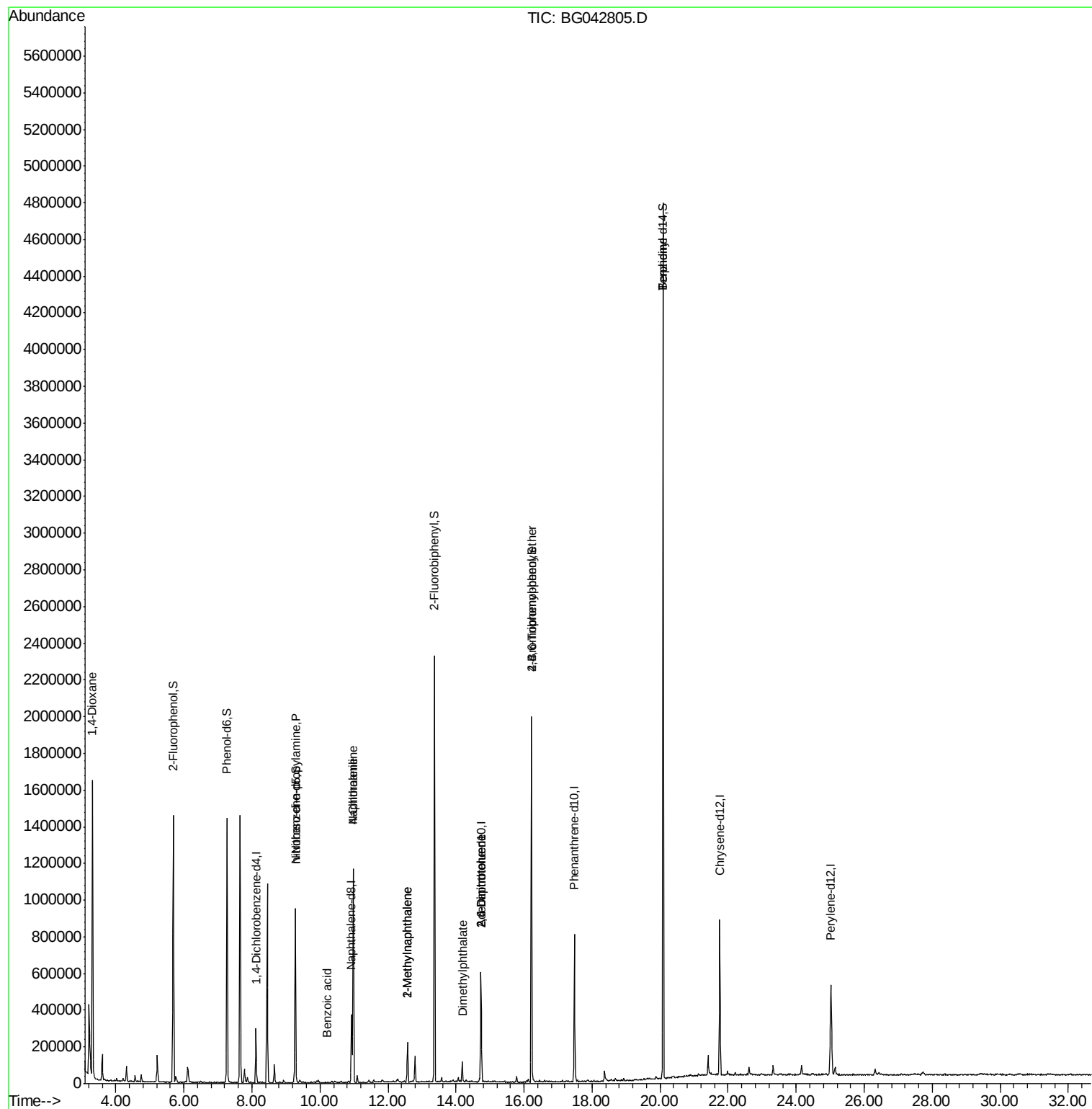
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	14857	6.915	ng	# 1
19) n-Nitroso-di-n-propylamine	9.28	70	80258	16.119	ng	# 71
31) Naphthalene	10.98	128	924167	61.489	ng	# 99
32) Benzoic acid	10.22	122	73	5.983	ng	# 86
33) 4-Chloroaniline	10.98	127	133608	19.019	ng	# 34
37) 2-Methylnaphthalene	12.57	142	97335	8.645	ng	# 95
38) 1-Methylnaphthalene	12.57	142	97335	9.218	ng	# 91
50) Dimethylphthalate	14.18	163	69422	4.492	ng	# 98
51) 2,6-Dinitrotoluene	14.73	165	27781	8.761	ng	# 21
57) 2,4-Dinitrotoluene	14.73	165	27781	6.573	ng	# 24
67) 4-Bromophenyl-phenylether	16.22	248	27171	4.583	ng	# 1
77) Benzidine	20.09	184	38842	2.676	ng	# 92

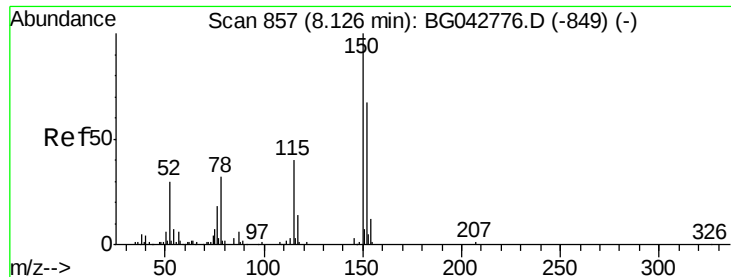
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

Instrument :

BNA_G

ClientSampled :

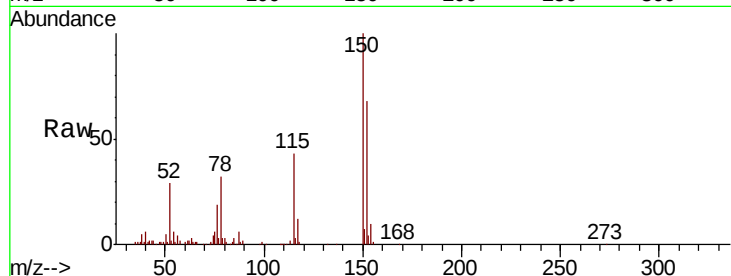
Tot Ion:152 Resp: 81846

Ion Ratio Lower Upper

152 100

150 148.0 118.9 178.3

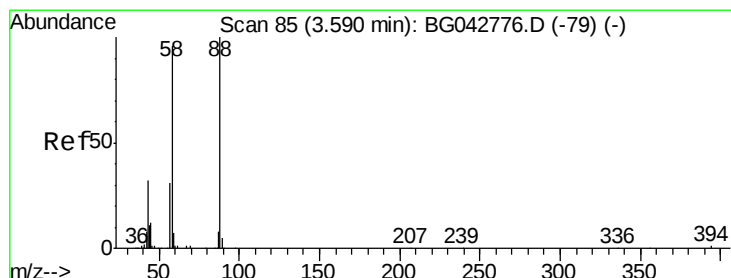
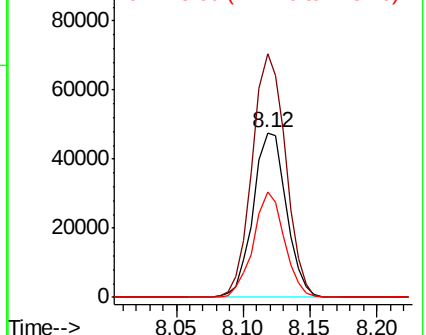
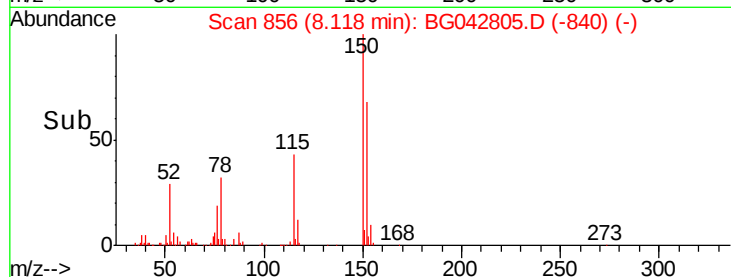
115 64.1 47.4 71.2



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: 6.915 ng

RT: 3.31 min Scan# 38

Delta R.T. -0.28 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

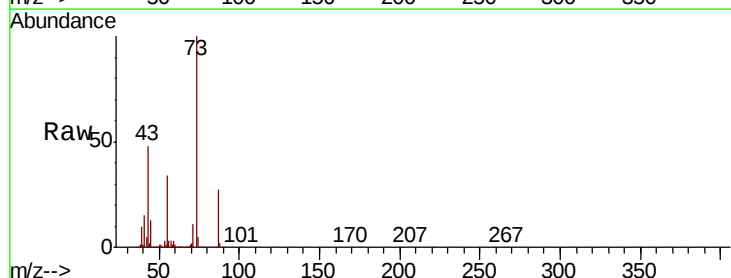
Tgt Ion: 88 Resp: 14857

Ion Ratio Lower Upper

88 100

58 36.0 79.1 118.7#

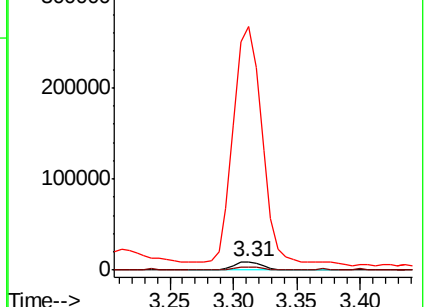
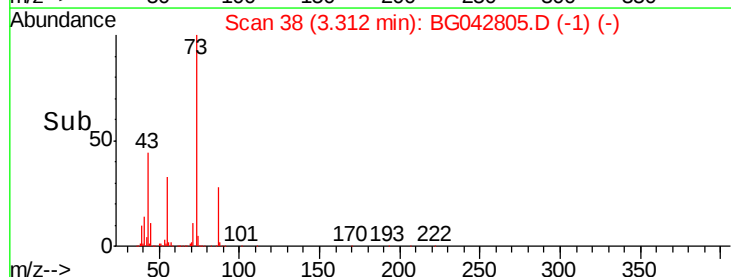
43 2830.3 30.4 45.6#

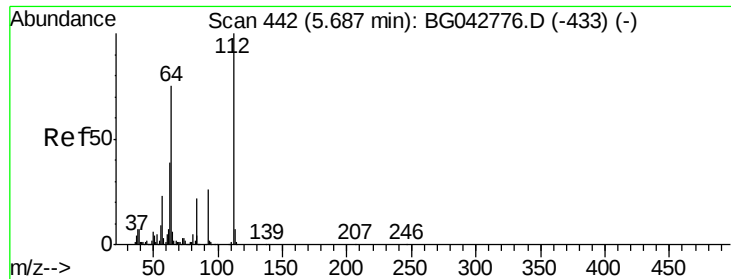


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 119.552 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.00 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

Instrument :

BNA_G

ClientSampleId :

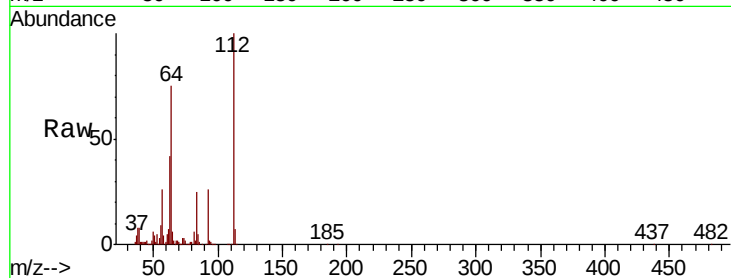
Tot Ion:112 Resp: 562818

Ion Ratio Lower Upper

112 100

64 75.1 60.2 90.2

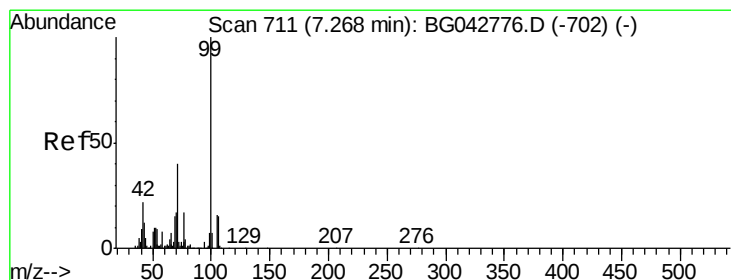
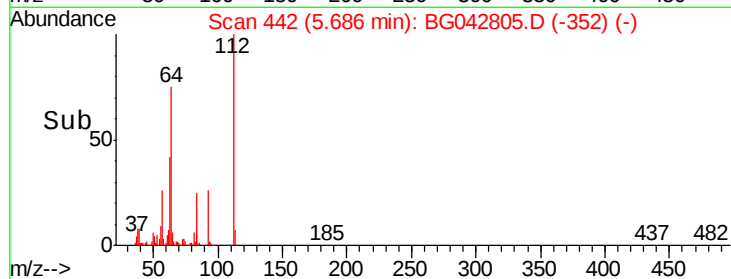
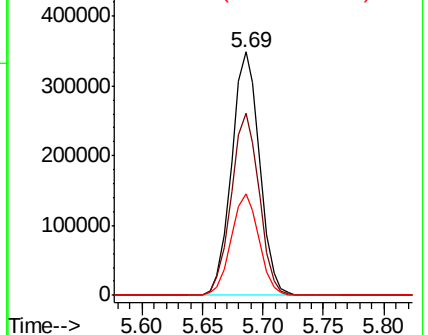
63 41.9 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 113.378 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

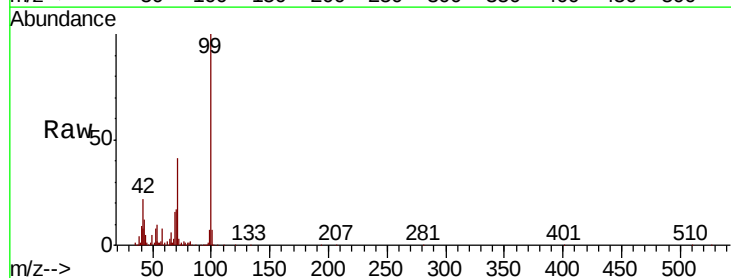
Tgt Ion: 99 Resp: 766113

Ion Ratio Lower Upper

99 100

42 21.7 17.5 26.3

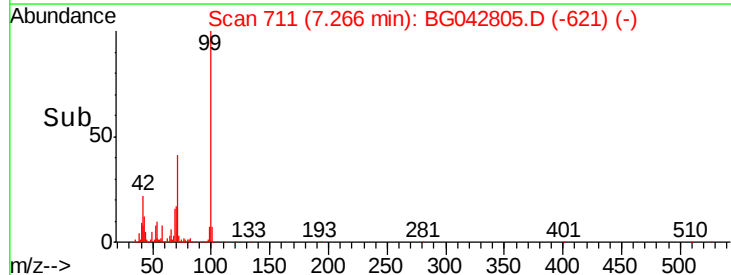
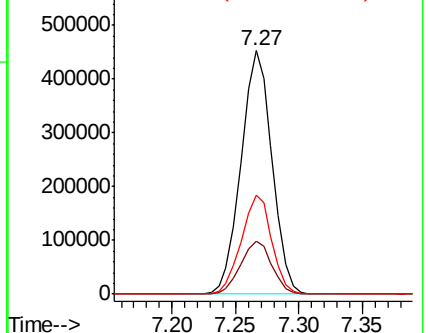
71 40.7 32.0 48.0

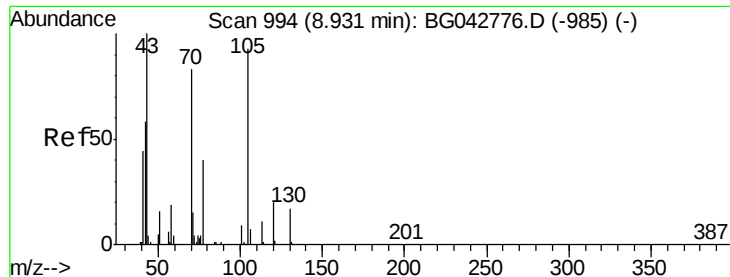


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

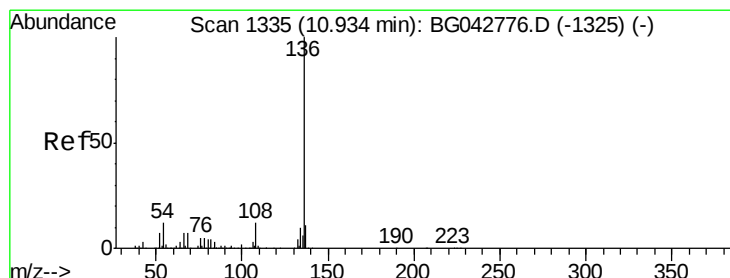
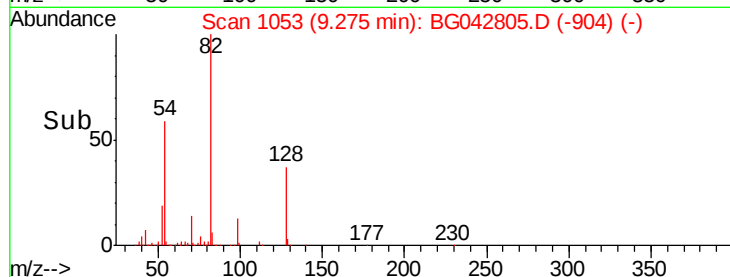
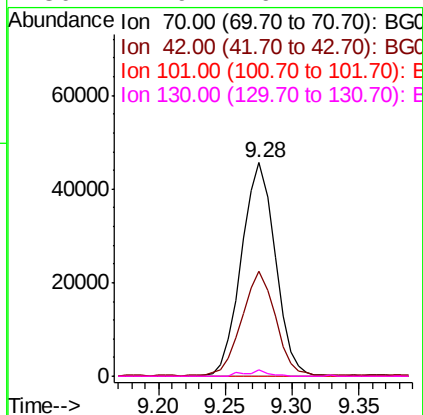
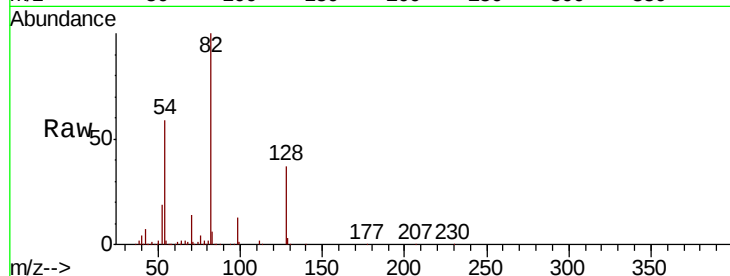




#19
n-Nitroso-di-n-propylamine
Concen: 16.119 ng
RT: 9.28 min Scan# 1053
Delta R.T. 0.34 min
Lab File: BG042805.D
Acq: 13 Sep 2019 7:03

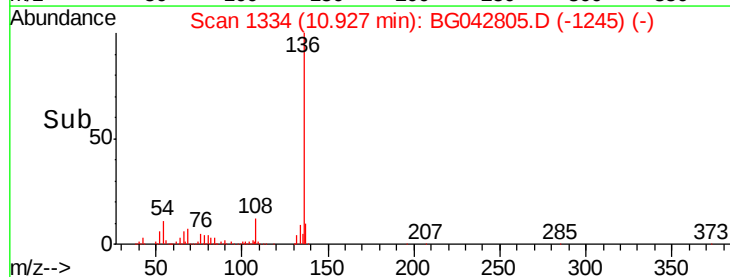
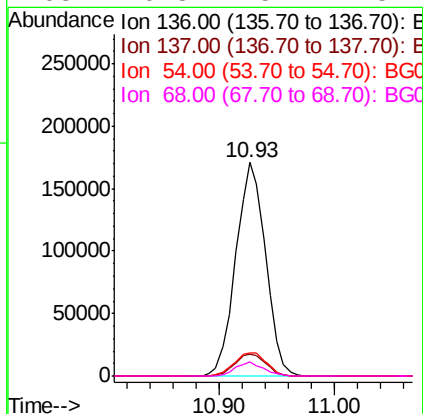
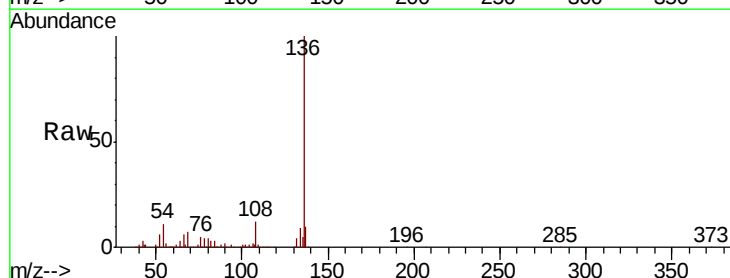
Instrument :
BNA_G
ClientSampleId :

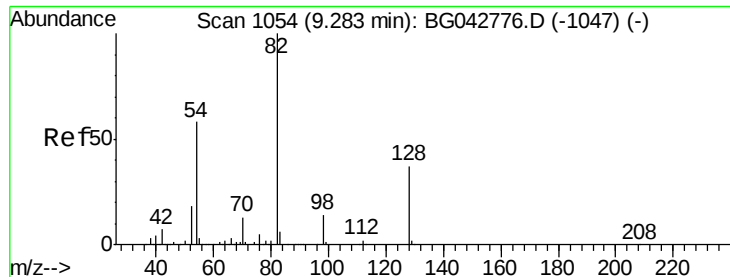
Tot Ion:	70	Resp:	80258
Ion	Ratio	Lower	Upper
70	100		
42	49.0	57.0	85.6#
101	0.0	8.4	12.6#
130	2.9	16.1	24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042805.D
Acq: 13 Sep 2019 7:03

Tgt Ion:	136	Resp:	304409
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.6
54	10.9	9.4	14.0
68	6.8	5.4	8.2





#23

Nitrobenzene-d5

Concen: 97.662 ng

RT: 9.28 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

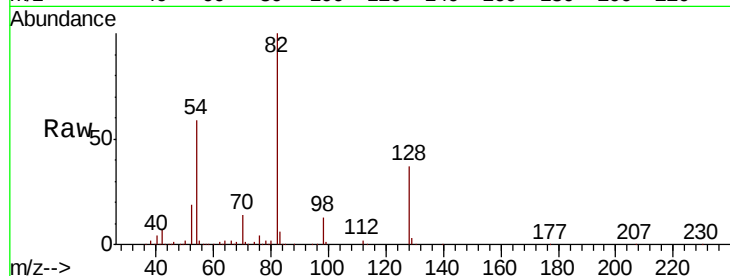
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 82 Resp: 571027

Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.8	44.8
54	58.6	46.1	69.1

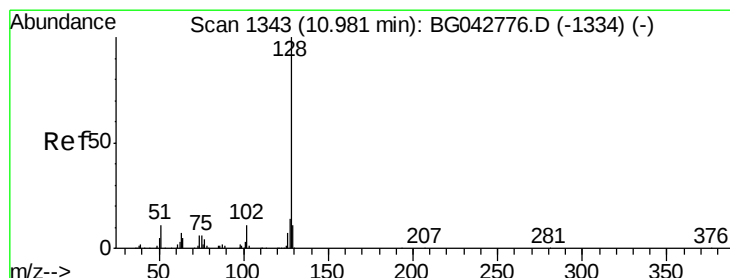
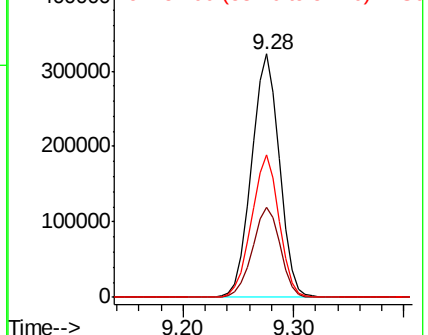
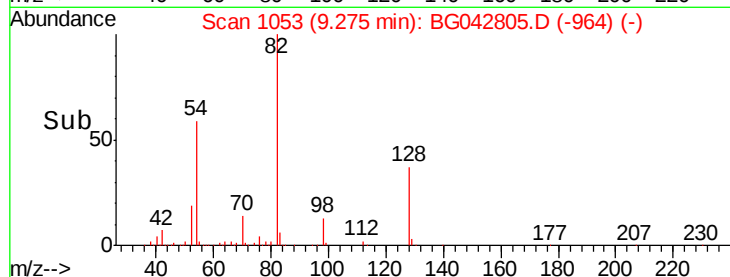


Abundance

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



#31

Naphthalene

Concen: 61.489 ng

RT: 10.98 min Scan# 1343

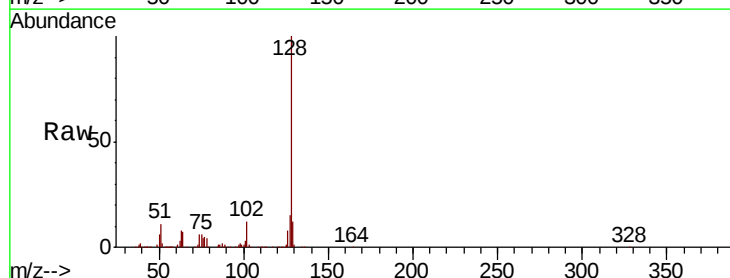
Delta R.T. -0.00 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

Tgt Ion: 128 Resp: 924167

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	14.8	11.4	17.2

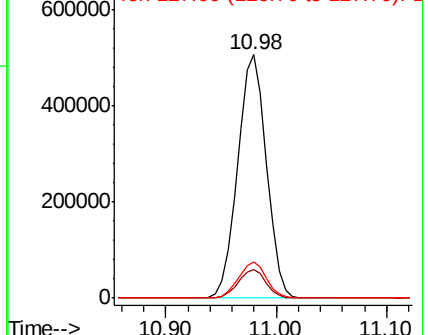
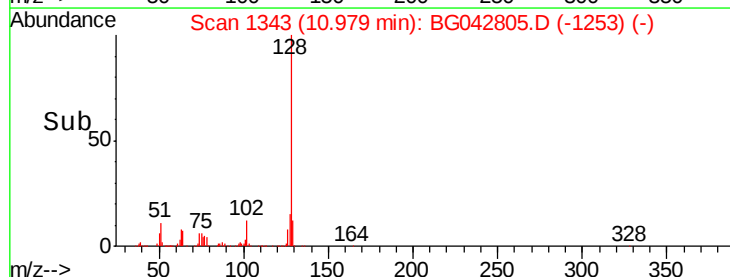


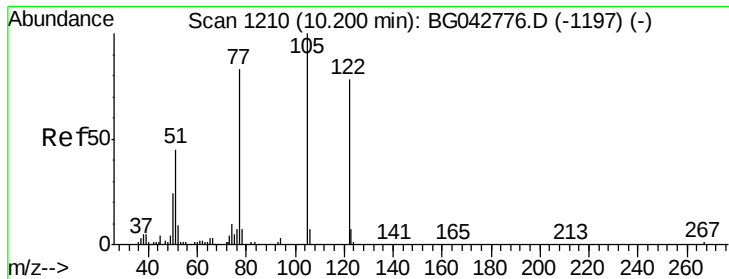
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 5.983 ng

RT: 10.22 min Scan# 1213

Delta R.T. 0.02 min

Lab File: BG042805.D

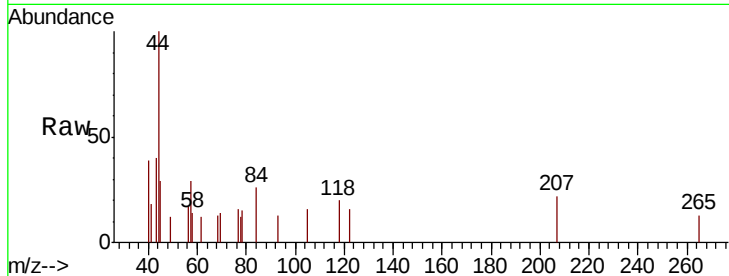
Acq: 13 Sep 2019 7:03

Instrument :

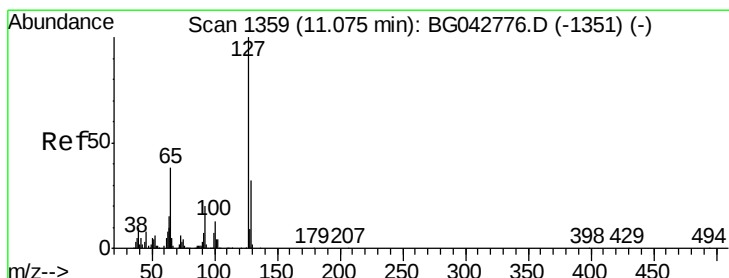
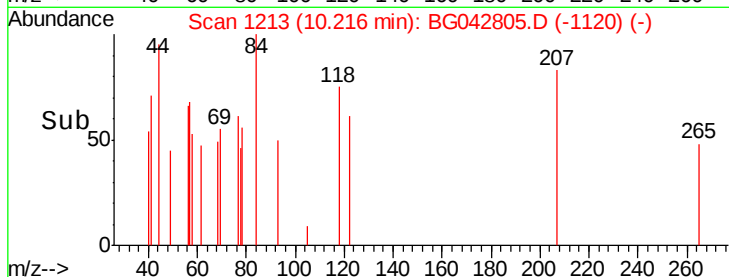
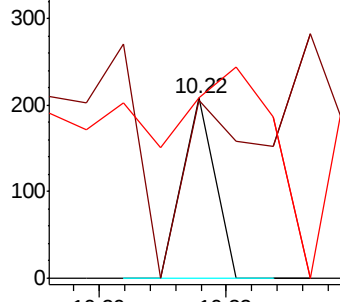
BNA_G

ClientSampleId :

Tot Ion:	122	Resp:	73
Ion	Ratio	Lower	Upper
122	100		
105	98.6	104.0	144.0#
77	100.5	84.2	124.2



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 19.019 ng

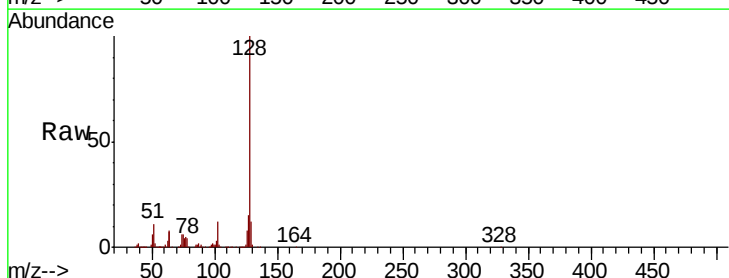
RT: 10.98 min Scan# 1343

Delta R.T. -0.10 min

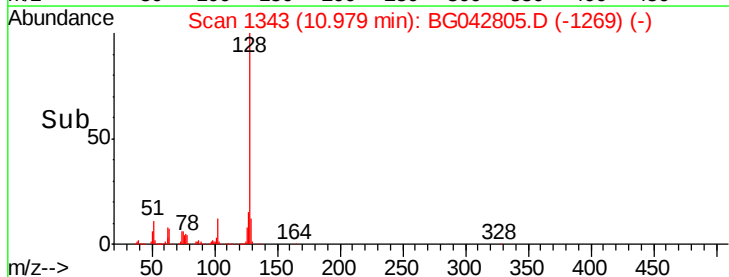
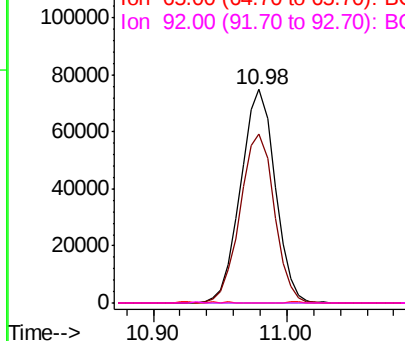
Lab File: BG042805.D

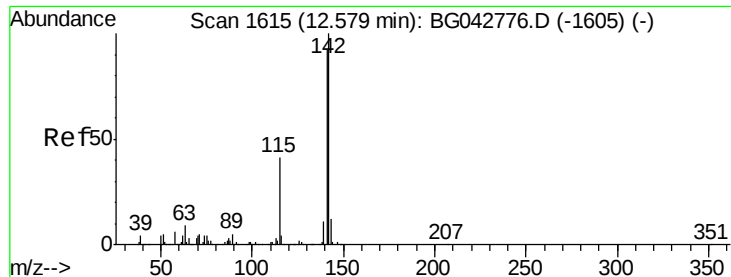
Acq: 13 Sep 2019 7:03

Tgt Ion:	127	Resp:	133608
Ion	Ratio	Lower	Upper
127	100		
129	79.3	25.8	38.6#
65	0.0	30.5	45.7#
92	0.2	15.9	23.9#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

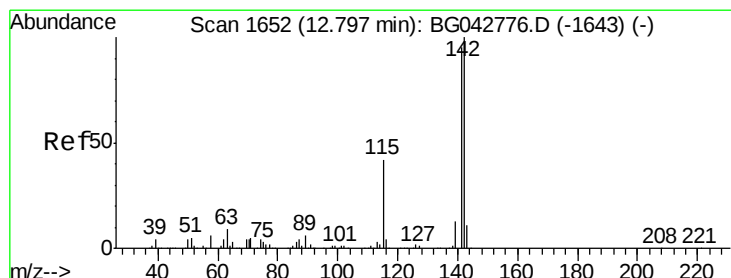
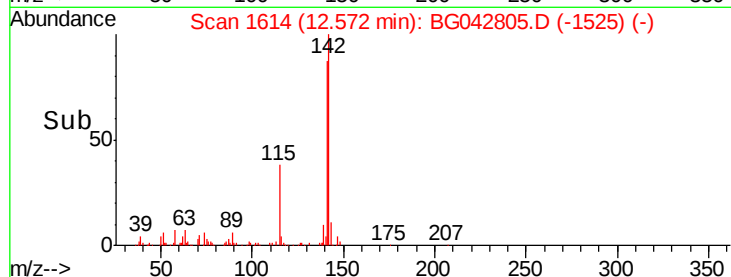
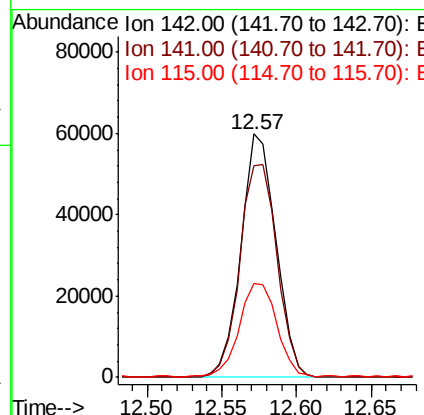
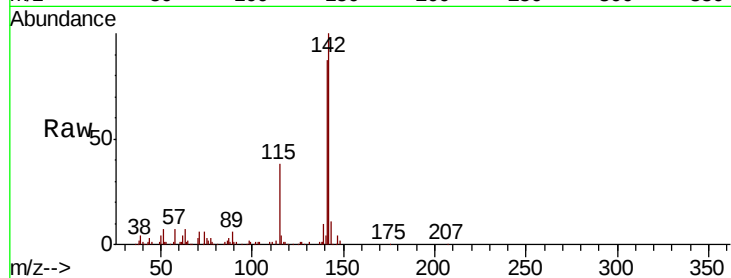




#37
2-Methylnaphthalene
Concen: 8.645 ng
RT: 12.57 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BG042805.D
Acq: 13 Sep 2019 7:03

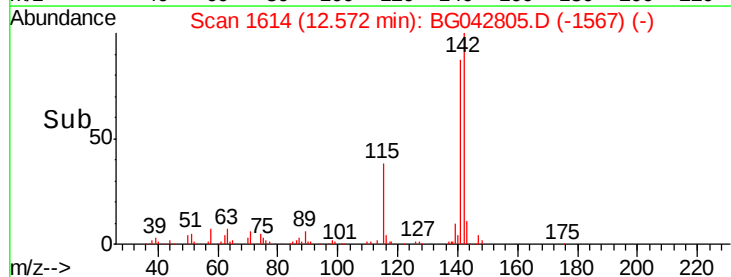
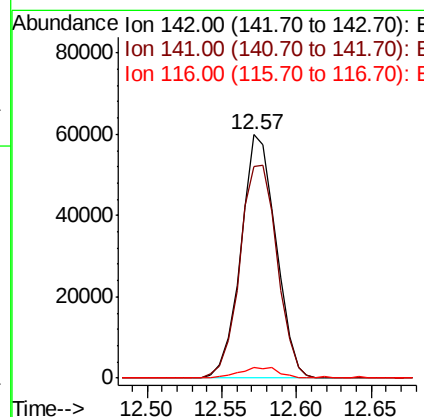
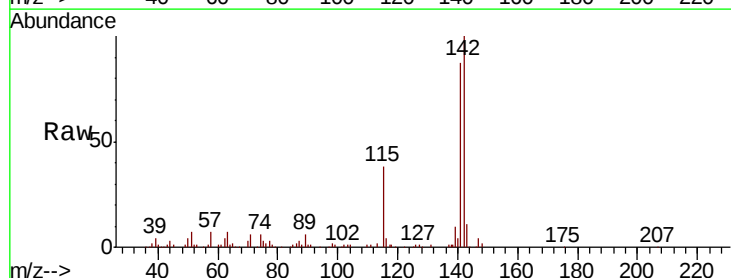
Instrument :
BNA_G
ClientSampleId :

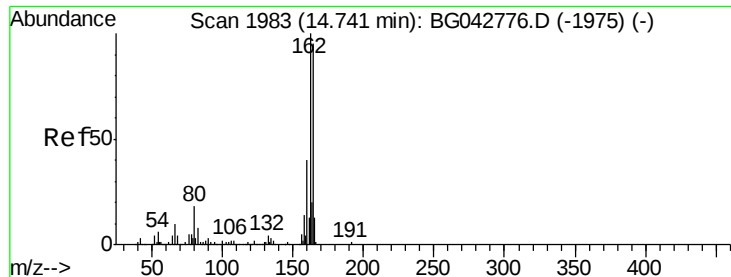
Tot Ion	Ratio	Lower	Upper
142	100		
141	86.8	73.8	110.8
115	38.5	33.0	49.4



#38
1-Methylnaphthalene
Concen: 9.218 ng
RT: 12.57 min Scan# 1614
Delta R.T. -0.23 min
Lab File: BG042805.D
Acq: 13 Sep 2019 7:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.8	76.3	114.5
116	4.4	3.4	5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

Instrument :

BNA_G

ClientSampleId :

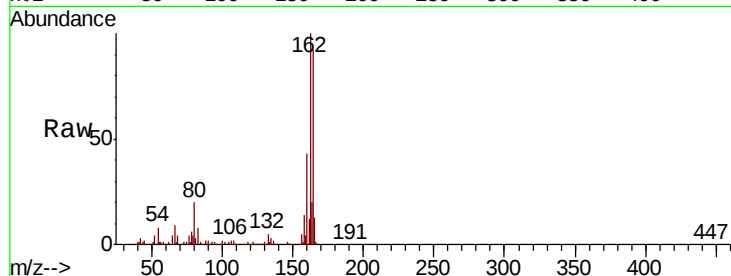
Tot Ion:164 Resp: 206285

Ion Ratio Lower Upper

164 100

162 108.1 84.6 126.8

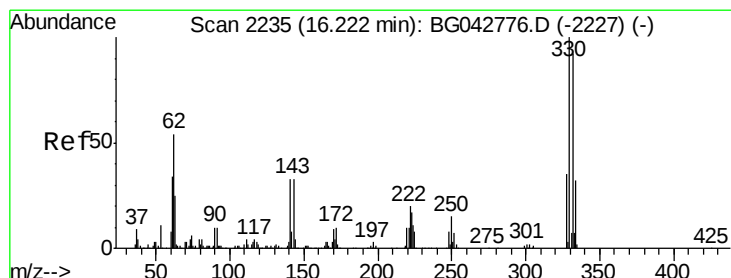
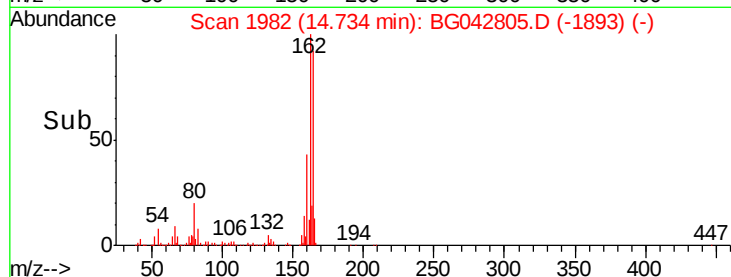
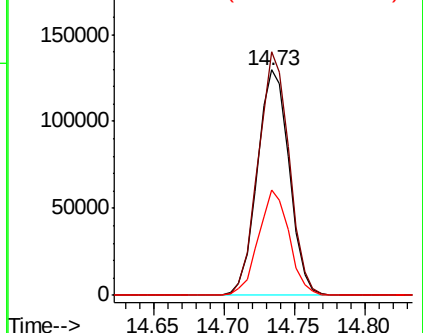
160 46.5 34.2 51.2



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: 138.457 ng

RT: 16.21 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

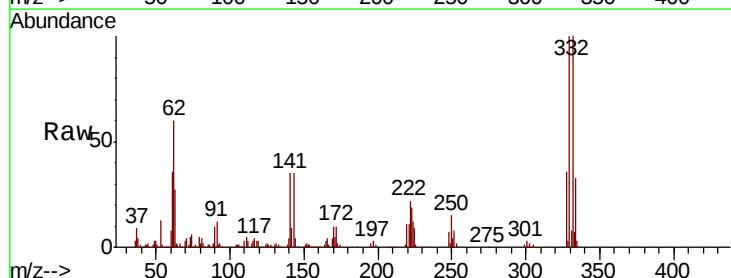
Tgt Ion:330 Resp: 379991

Ion Ratio Lower Upper

330 100

332 96.1 76.7 115.1

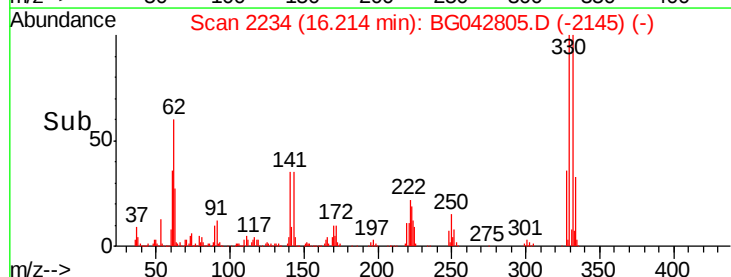
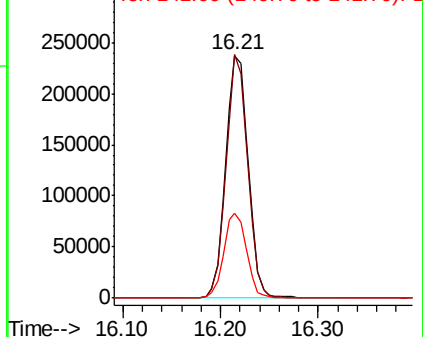
141 35.3 27.0 40.6

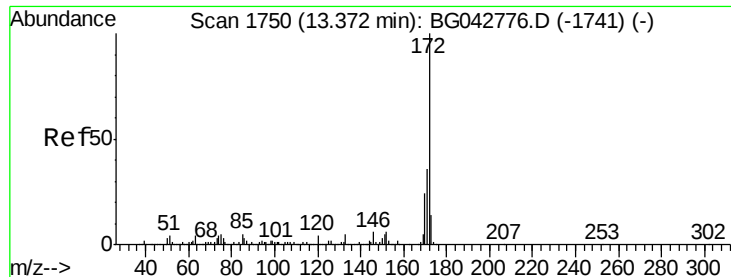


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



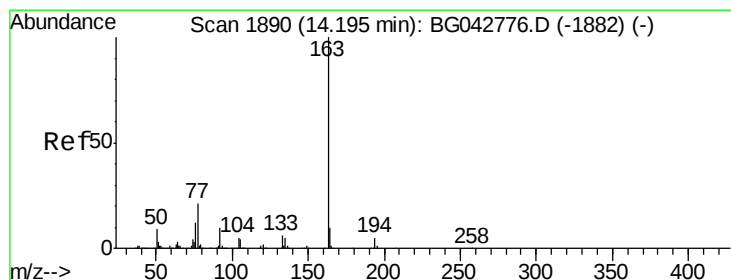
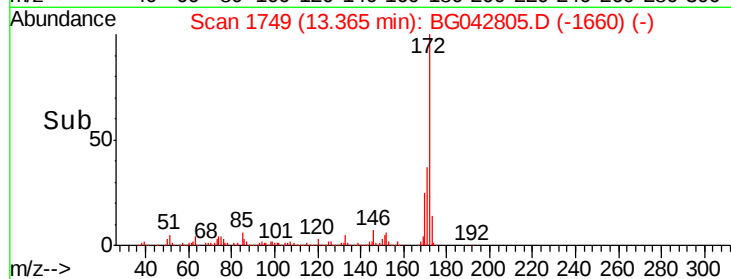
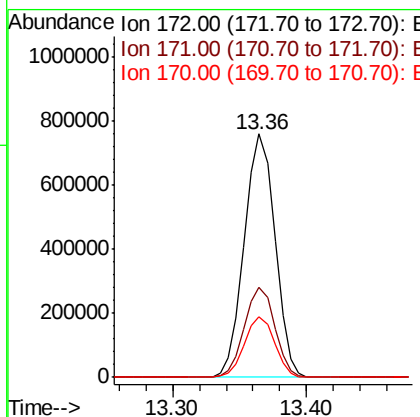
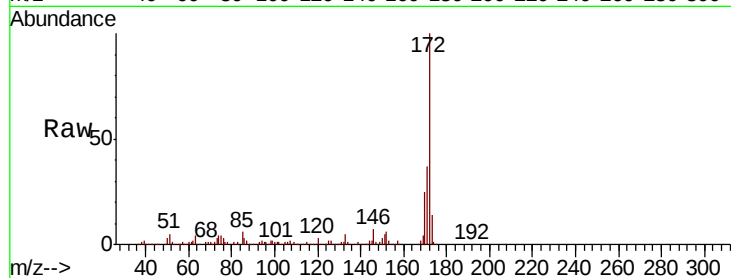


#45
 2-Fluorobiphenyl
 Concen: 92.728 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042805.D
 Acq: 13 Sep 2019 7:03

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1208411

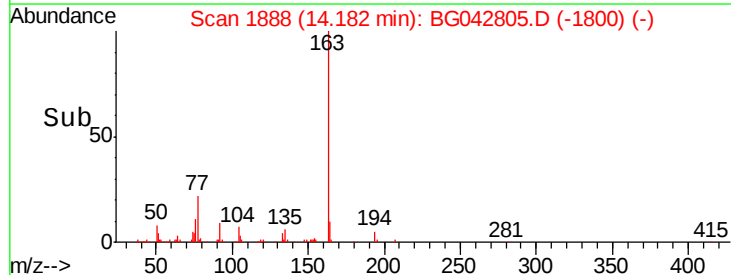
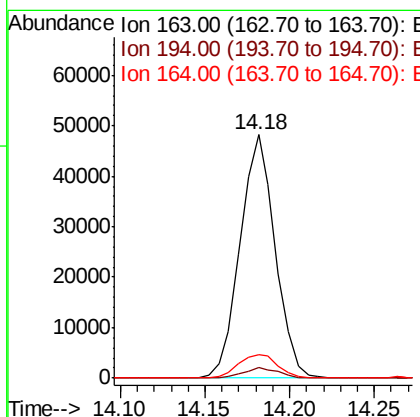
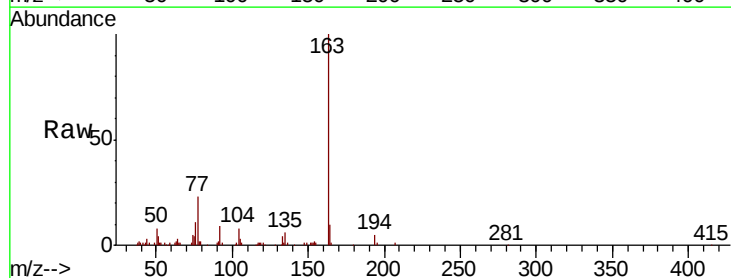
Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.9	43.3
170	24.7	19.1	28.7

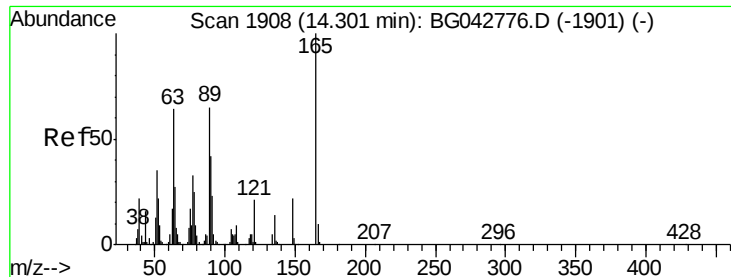


#50
 Dimethylphthalate
 Concen: 4.492 ng
 RT: 14.18 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: BG042805.D
 Acq: 13 Sep 2019 7:03

Tgt Ion:163 Resp: 69422

Ion	Ratio	Lower	Upper
163	100		
194	4.6	4.2	6.4
164	9.7	8.4	12.6

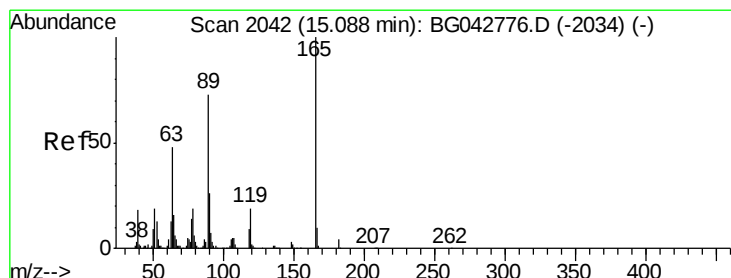
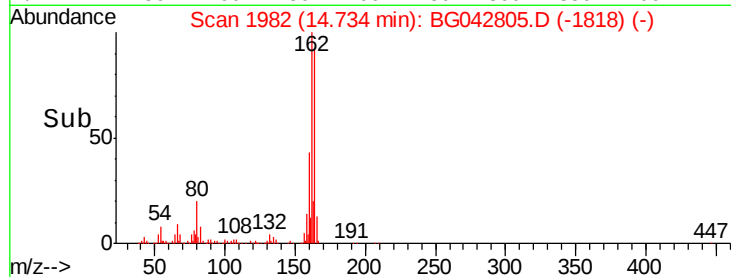
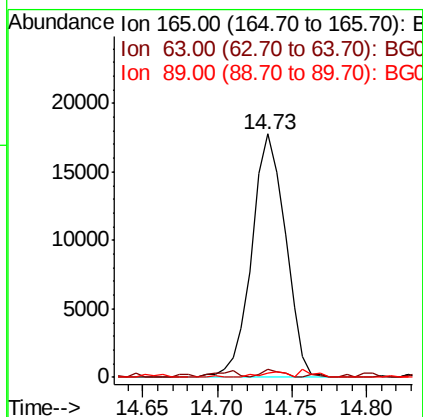
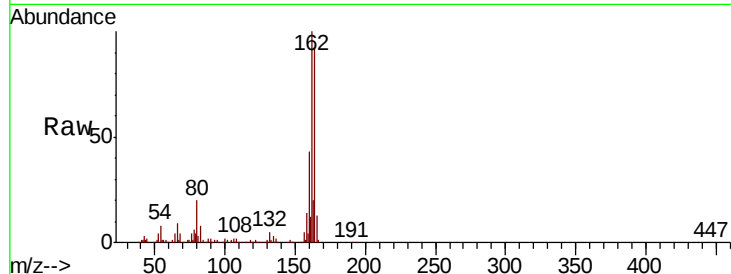




#51
 2,6-Dinitrotoluene
 Concen: 8.761 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. 0.43 min
 Lab File: BG042805.D
 Acq: 13 Sep 2019 7:03

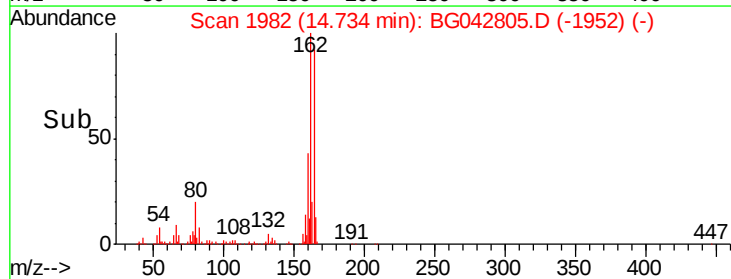
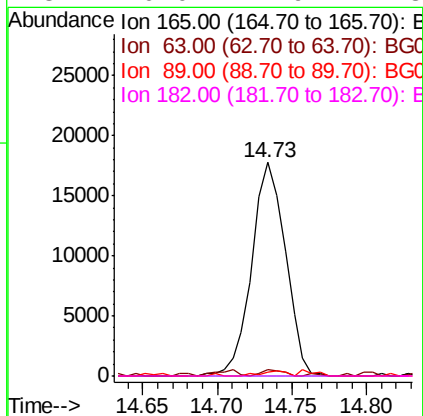
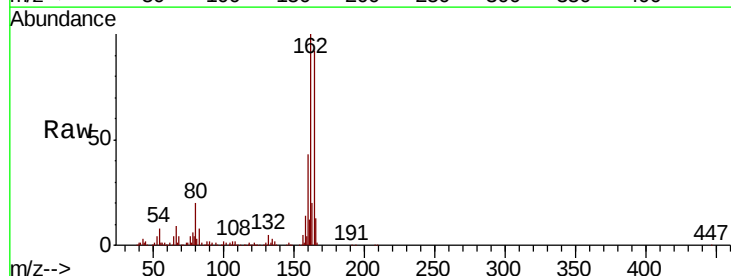
Instrument :
 BNA_G
 ClientSampleId :

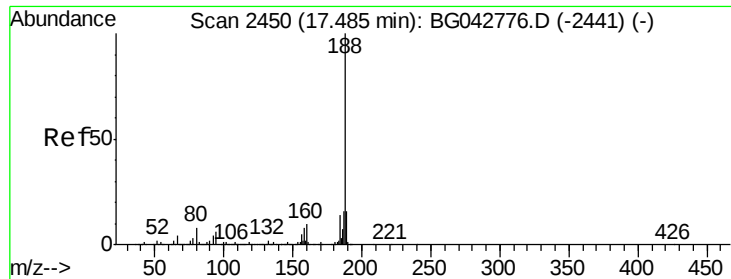
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.1	52.1	78.1#
89	1.9	51.7	77.5#



#57
 2,4-Dinitrotoluene
 Concen: 6.573 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.35 min
 Lab File: BG042805.D
 Acq: 13 Sep 2019 7:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.1	38.3	57.5#
89	1.9	58.4	87.6#
182	0.0	2.9	4.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

Instrument :

BNA_G

ClientSampleId :

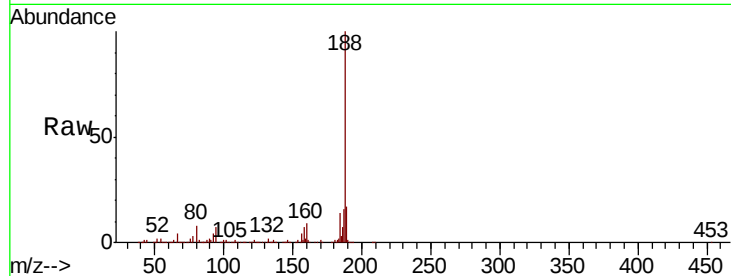
Tot Ion:188 Resp: 489849

Ion Ratio Lower Upper

188 100

94 7.2 4.8 7.2

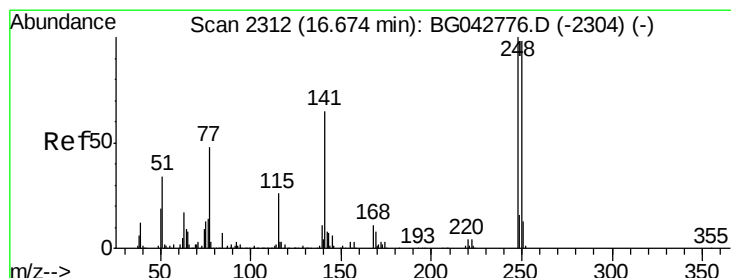
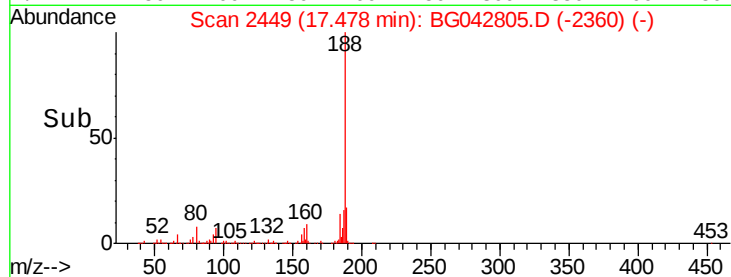
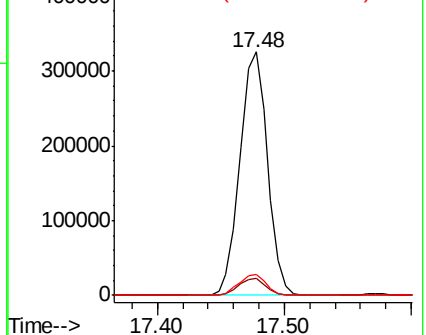
80 8.5 6.6 9.8



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: 4.583 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.45 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

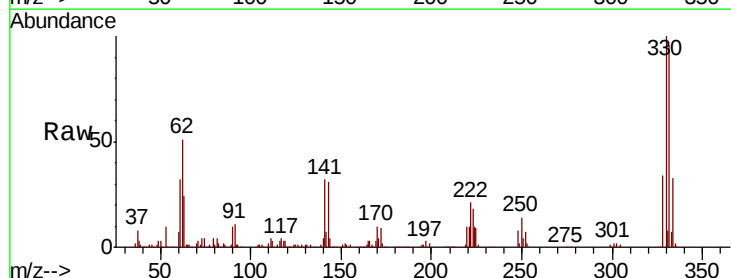
Tgt Ion:248 Resp: 27171

Ion Ratio Lower Upper

248 100

250 180.8 78.0 117.0#

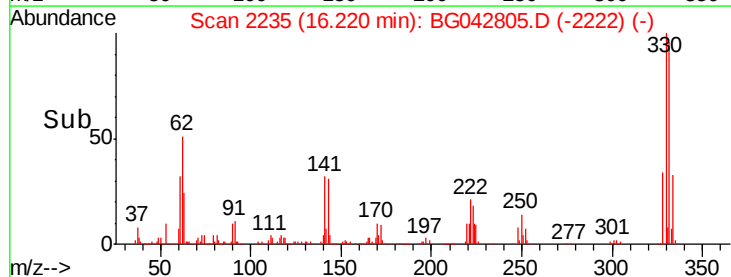
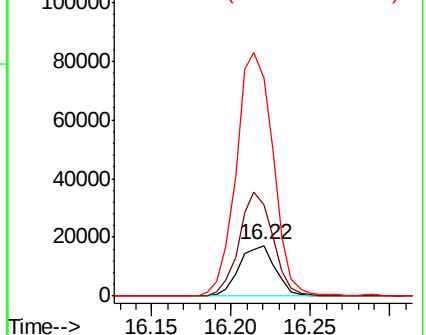
141 430.5 51.8 77.6#

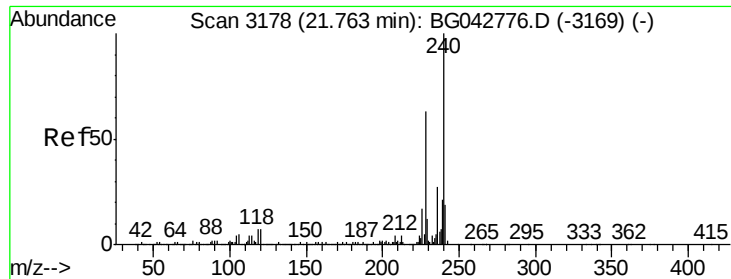


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

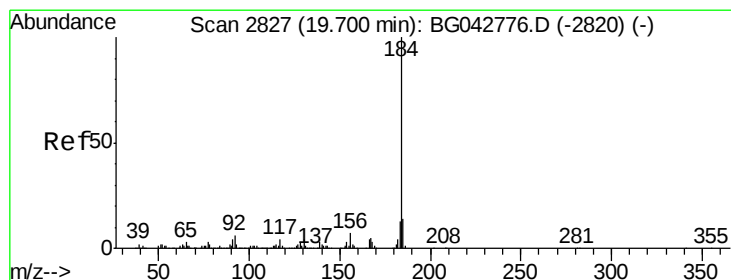
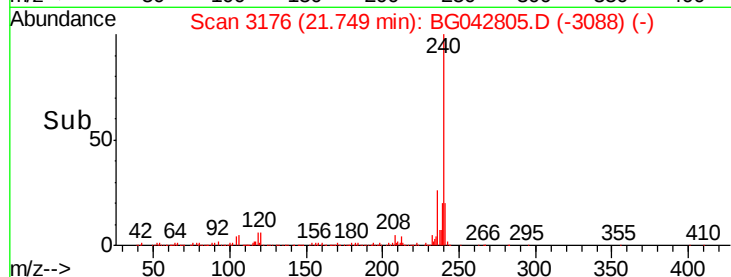
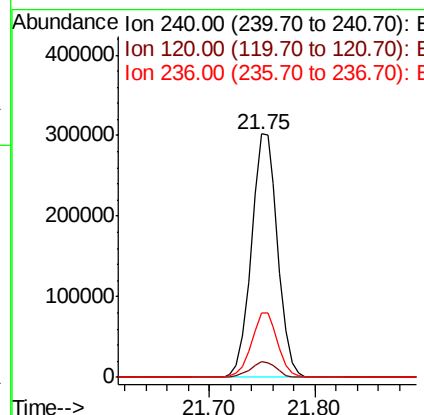
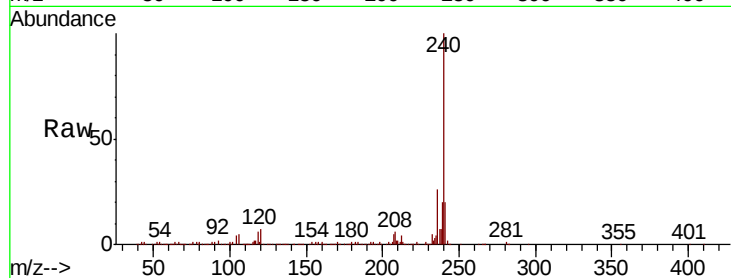




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3176
 Delta R.T. -0.01 min
 Lab File: BG042805.D
 Acq: 13 Sep 2019 7:03

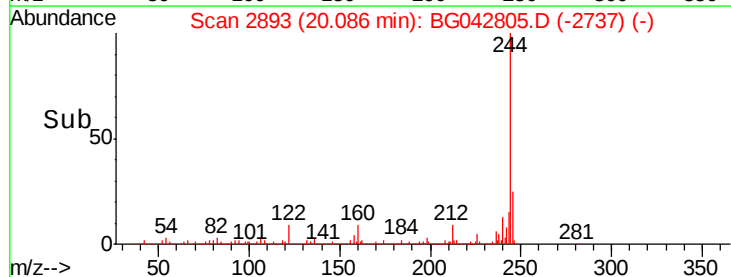
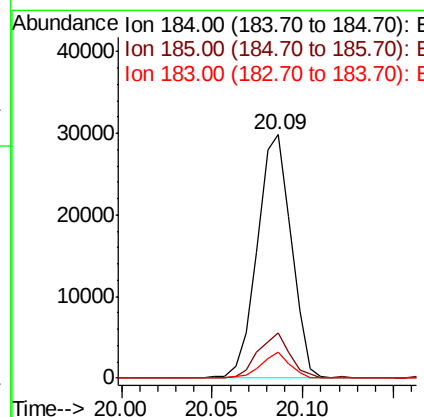
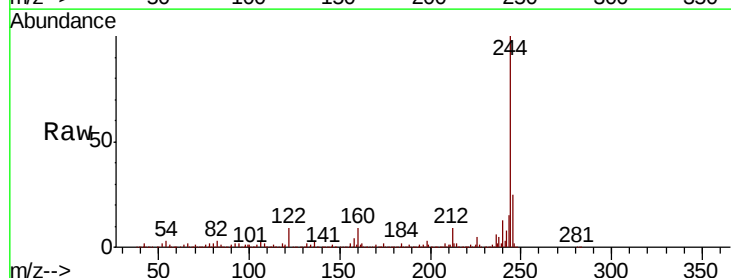
Instrument :
 BNA_G
 ClientSampleId :

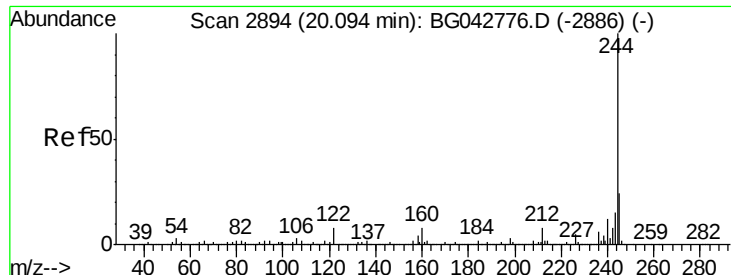
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.6	5.4	8.2
236	26.4	21.7	32.5



#77
 Benzidine
 Concen: 2.676 ng
 RT: 20.09 min Scan# 2893
 Delta R.T. 0.39 min
 Lab File: BG042805.D
 Acq: 13 Sep 2019 7:03

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.4	11.6	17.4#
183	10.4	10.4	15.6





#79

Terphenyl-d14

Concen: 91.885 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

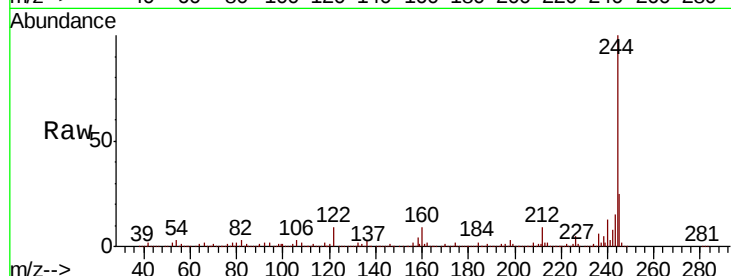
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2154059

Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.6	10.0
122	9.0	6.2	9.4

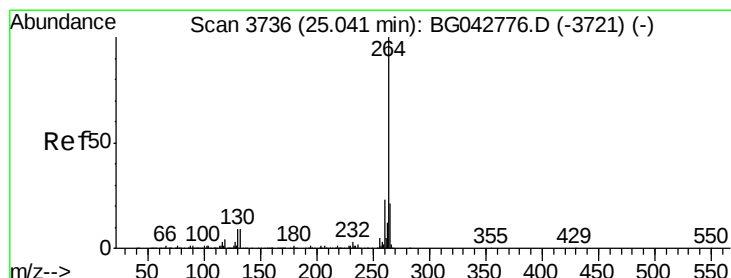
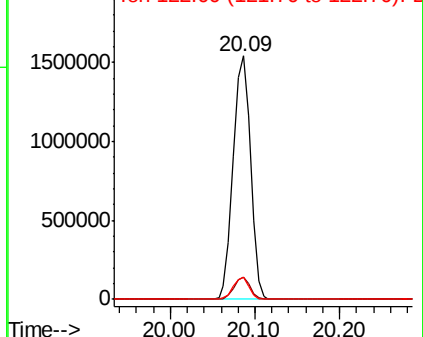
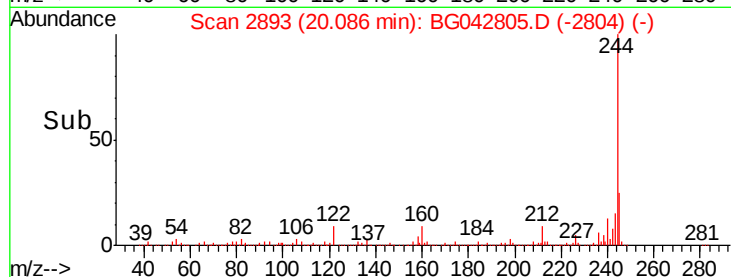


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

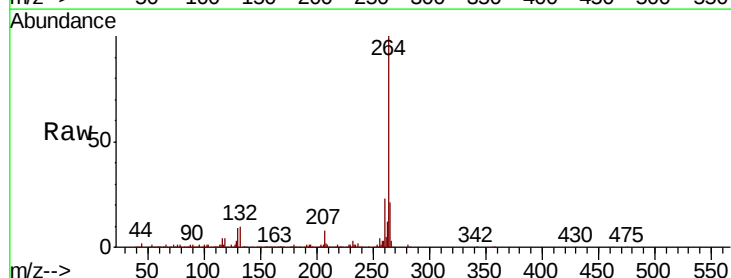
Delta R.T. -0.02 min

Lab File: BG042805.D

Acq: 13 Sep 2019 7:03

Tgt Ion:264 Resp: 563916

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.2
265	20.8	16.9	25.3



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

