

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
 Data File : BG044042.D
 Acq On : 14 Jan 2020 18:46
 Operator : JU
 Sample : L1108-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 20:34:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	127634	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	532719	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	328708	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	657065	20.00	ng	-0.01
76) Chrysene-d12	21.57	240	546246	20.00	ng	-0.01
87) Perylene-d12	24.70	264	616183	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	696631	100.22	ng	0.00
7) Phenol-d6	7.12	99	975701	100.42	ng	0.00
23) Nitrobenzene-d5	9.10	82	577486	57.99	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	332415	96.64	ng	-0.01
45) 2-Fluorobiphenyl	13.20	172	1260939	69.50	ng	-0.02
79) Terphenyl-d14	19.94	244	1489709	60.43	ng	-0.02

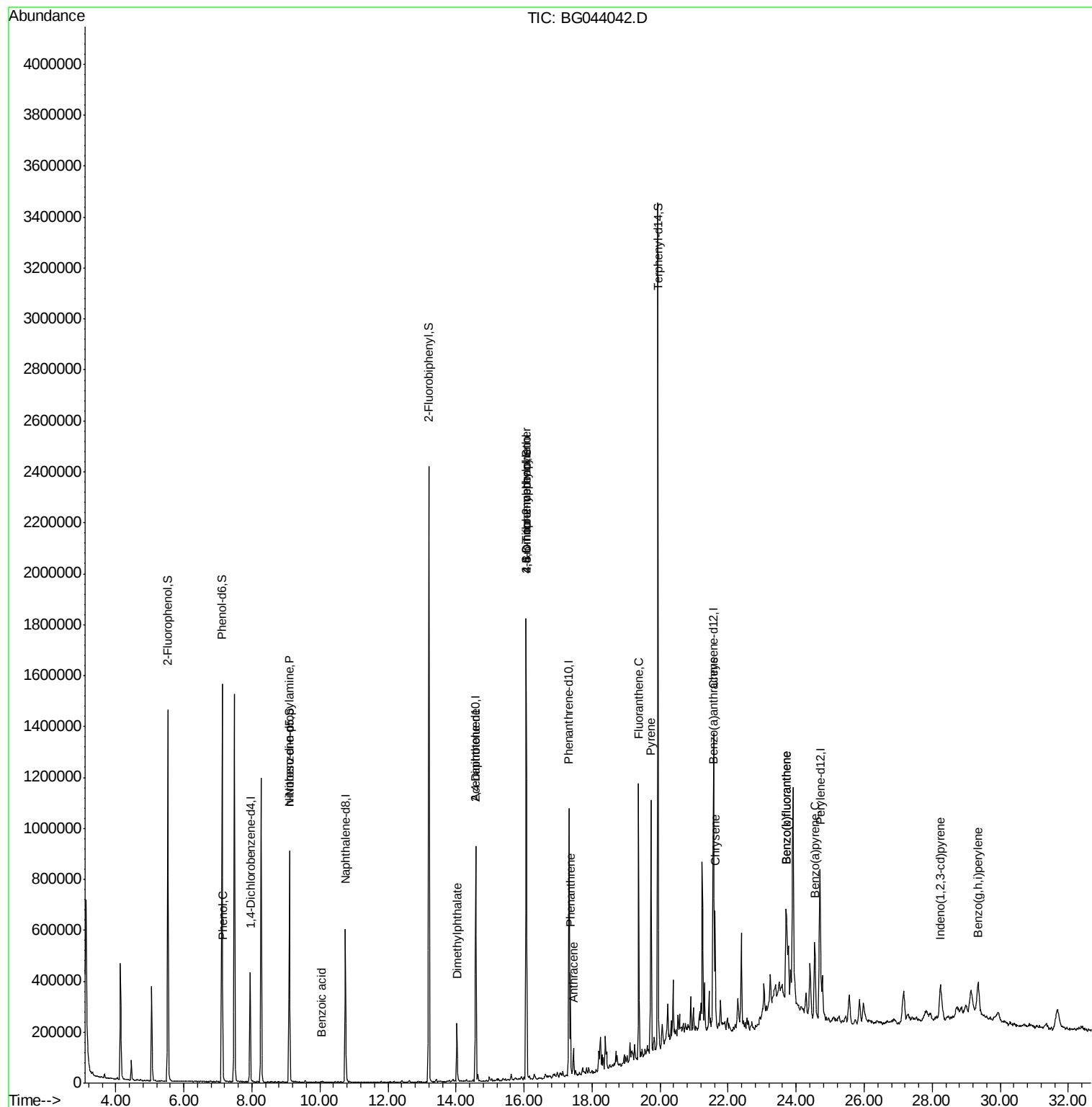
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.14	94	21532	2.151	ng	84
19) n-Nitroso-di-n-propylamine	9.10	70	76368	10.554	ng	# 79
32) Benzoic acid	10.05	122	275	6.304	ng	# 59
50) Dimethylphthalate	14.03	163	163015	6.984	ng	97
57) 2,4-Dinitrotoluene	14.58	165	43451	6.053	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	950	4.645	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	23245	3.145	ng	# 1
71) Phenanthrene	17.36	178	253270	8.036	ng	94
72) Anthracene	17.45	178	64140	2.059	ng	93
75) Fluoranthene	19.37	202	640165	17.761	ng	95
78) Pyrene	19.74	202	617993	17.332	ng	93
81) Benzo(a)anthracene	21.55	228	346380	10.226	ng	93
83) Chrysene	21.62	228	305628	9.496	ng	94
86) Indeno(1,2,3-cd)pyrene	28.24	276	229881	5.256	ng	95
88) Benzo(b)fluoranthene	23.71	252	408441	11.213	ng	99
89) Benzo(k)fluoranthene	23.71	252	408441	11.791	ng	100
90) Benzo(a)pyrene	24.55	252	328438	9.553	ng	98
92) Benzo(g,h,i)perylene	29.35	276	237608	6.928	ng	98

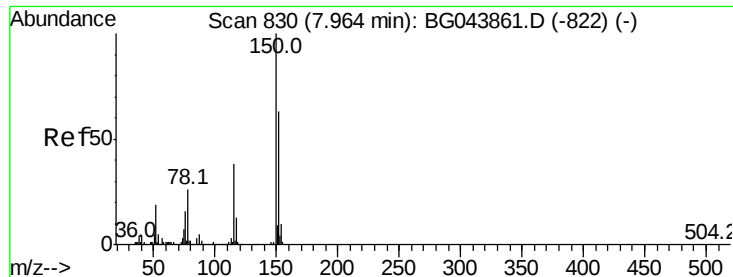
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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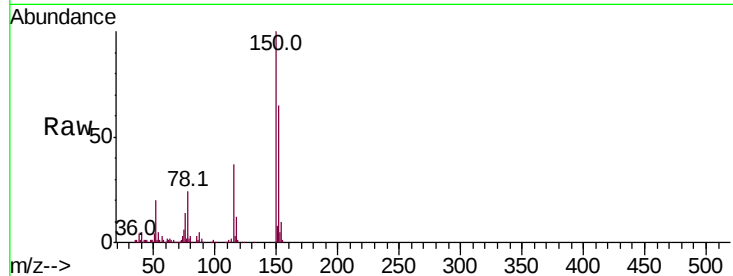


#1

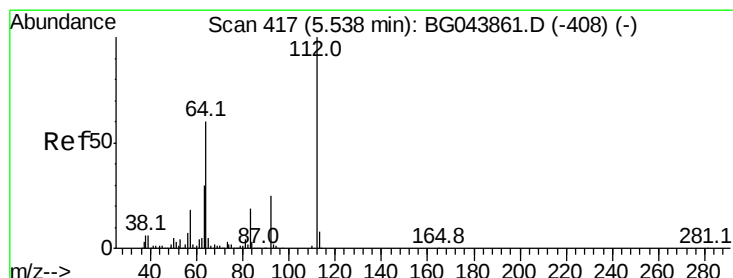
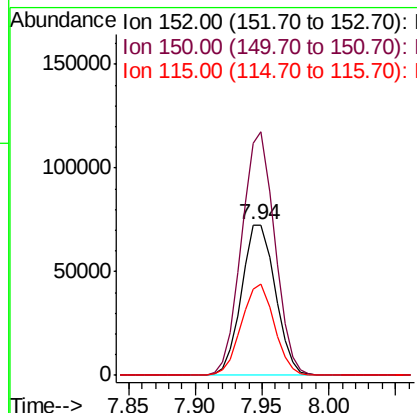
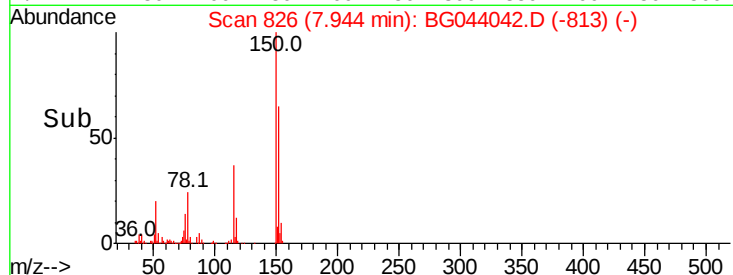
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.02 min
Lab File: BG044042.D
Acq: 14 Jan 2020 18:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 127634
Ion Ratio Lower Upper
152 100
150 155.0 127.0 190.4
115 57.7 47.8 71.8



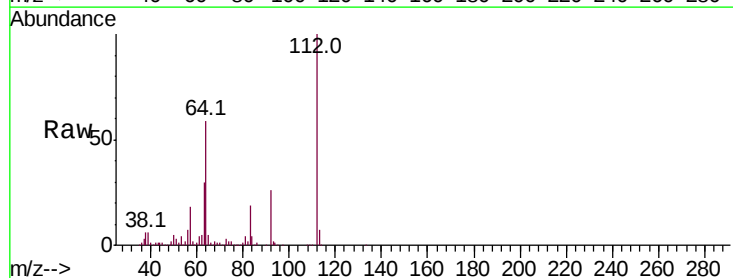
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



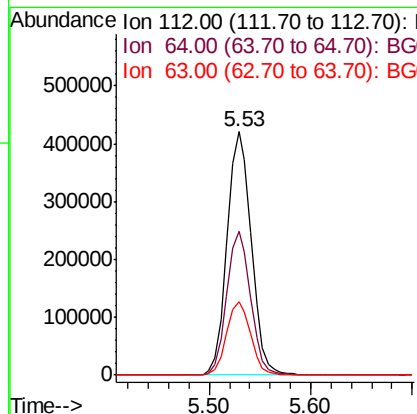
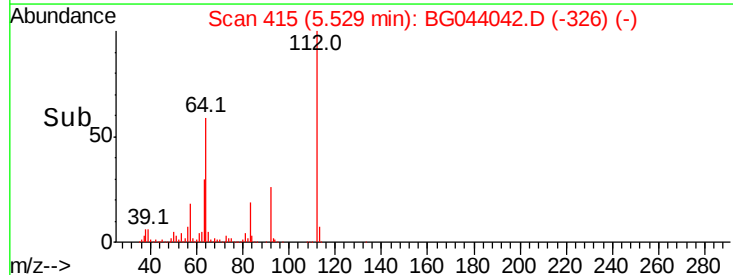
#5

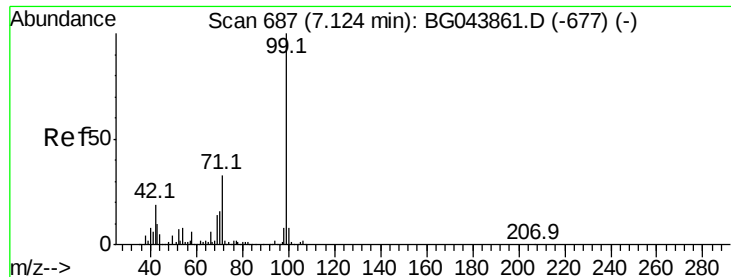
2-Fluorophenol
Concen: 100.216 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044042.D
Acq: 14 Jan 2020 18:46

Tgt Ion:112 Resp: 696631
Ion Ratio Lower Upper
112 100
64 59.1 47.8 71.6
63 30.3 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 100.416 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

Instrument :

BNA_G

ClientSampleId :

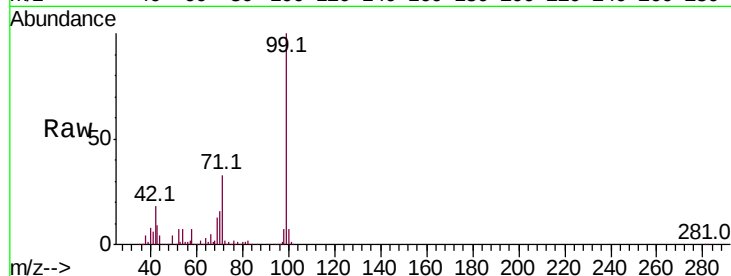
Tot Ion: 99 Resp: 975701

Ion Ratio Lower Upper

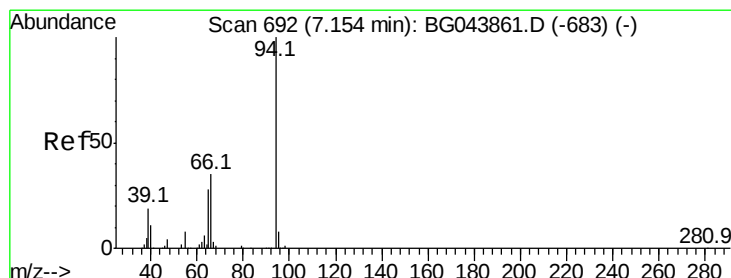
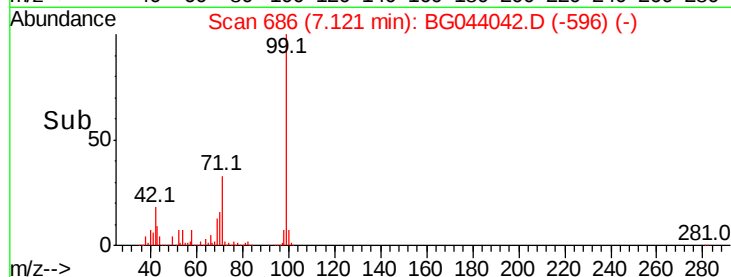
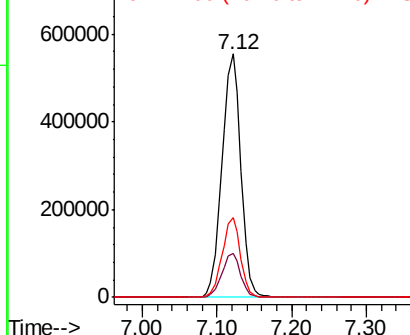
99 100

42 18.0 14.9 22.3

71 32.7 26.4 39.6



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



#10

Phenol

Concen: 2.151 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

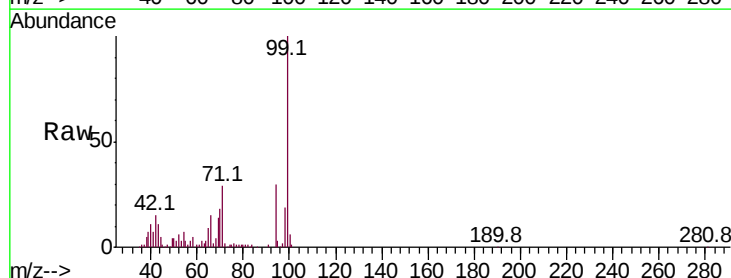
Tgt Ion: 94 Resp: 21532

Ion Ratio Lower Upper

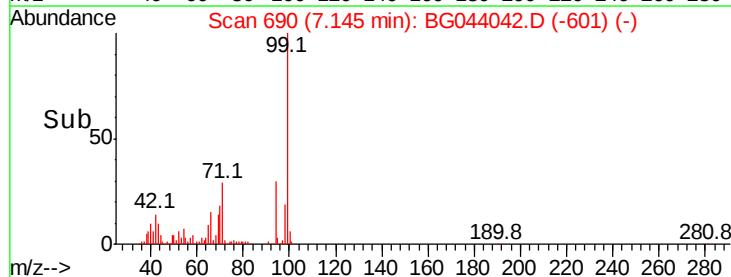
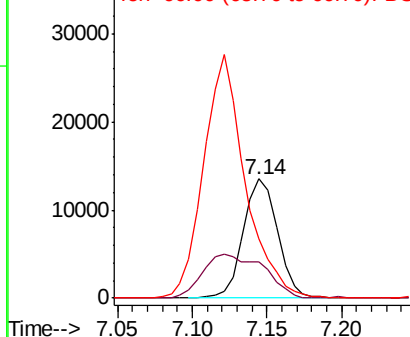
94 100

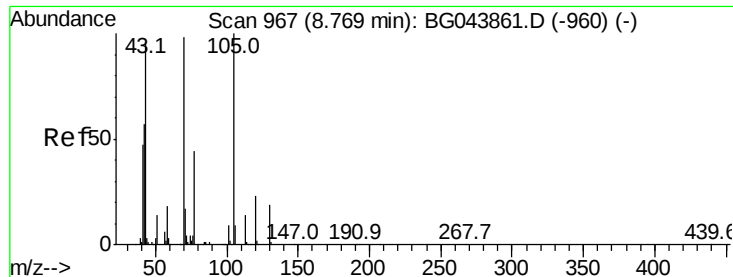
65 30.2 8.1 48.1

66 50.0 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

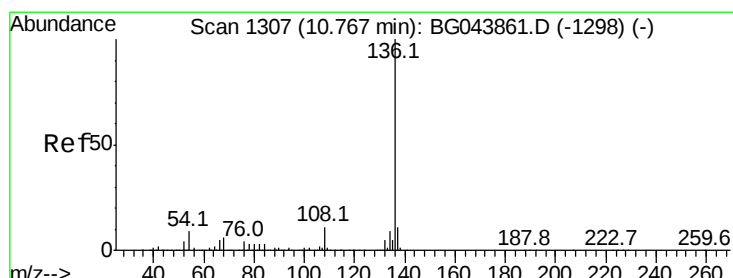
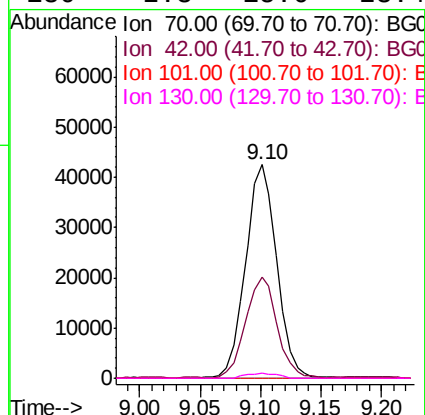
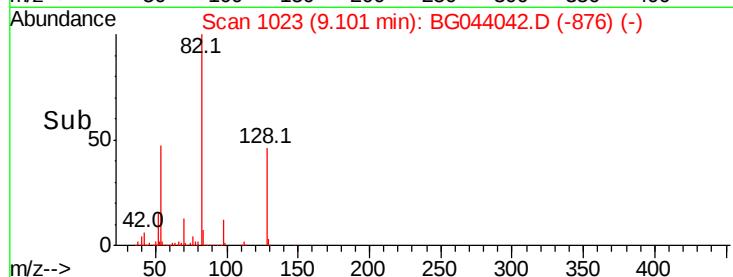
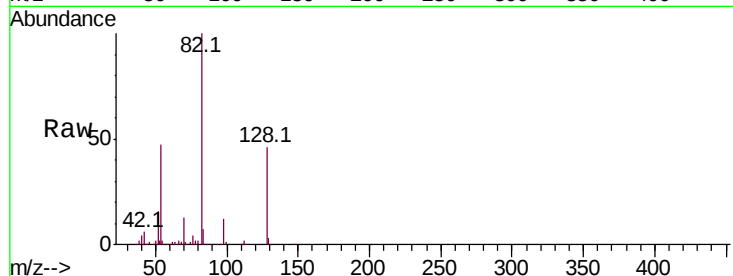




#19
n-Nitroso-di-n-propylamine
Concen: 10.554 ng
RT: 9.10 min Scan# 1023
Delta R.T. 0.33 min
Lab File: BG044042.D
Acq: 14 Jan 2020 18:46

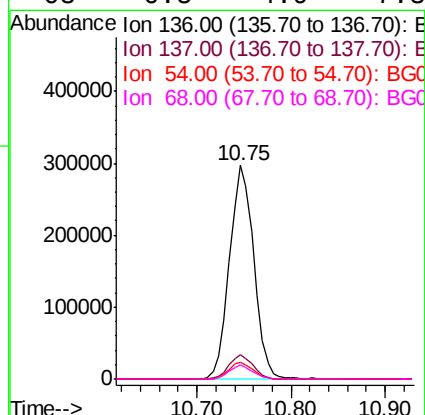
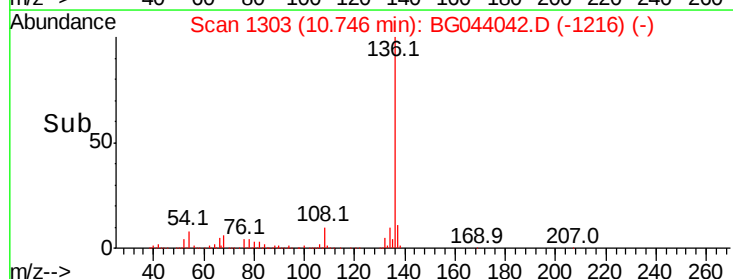
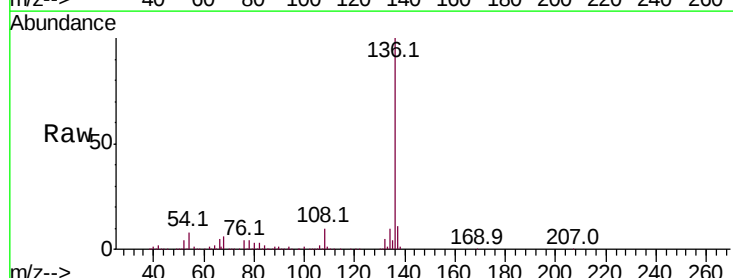
Instrument :
BNA_G
ClientSampleId :

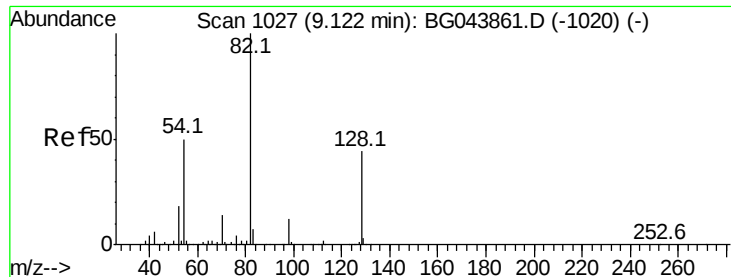
Tot Ion: 70 Resp: 76368
Ion Ratio Lower Upper
70 100
42 47.4 47.0 70.4
101 0.0 7.2 10.8#
130 2.3 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BG044042.D
Acq: 14 Jan 2020 18:46

Tgt Ion:136 Resp: 532719
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.8 7.0 10.4
68 6.5 4.9 7.3

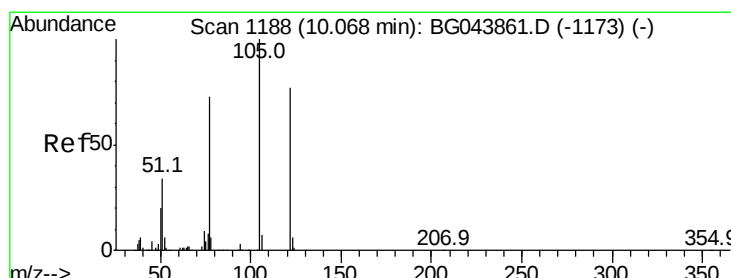
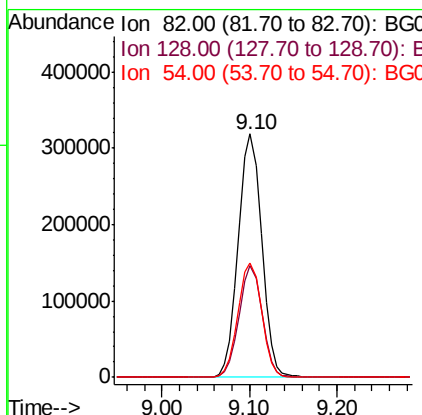
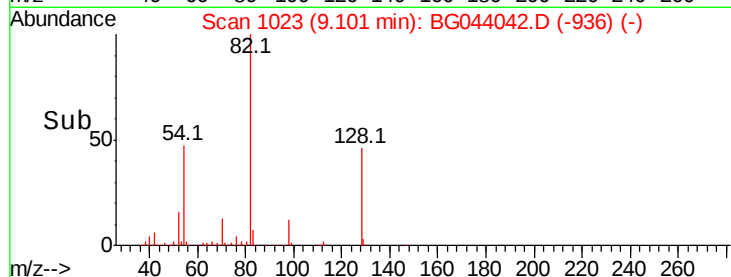
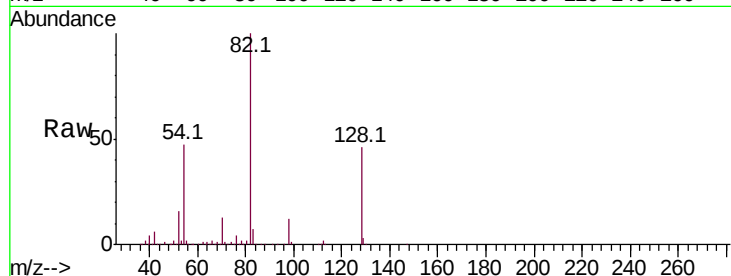




#23
 Nitrobenzene-d5
 Concen: 57.991 ng
 RT: 9.10 min Scan# 1023
 Delta R.T. -0.02 min
 Lab File: BG044042.D
 Acq: 14 Jan 2020 18:46

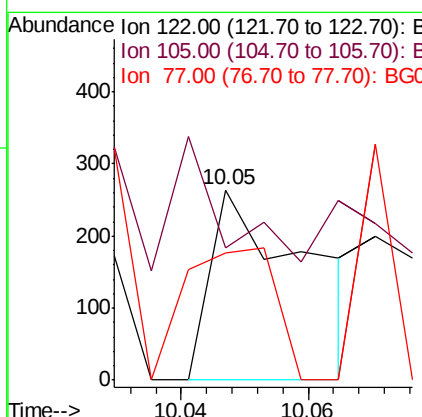
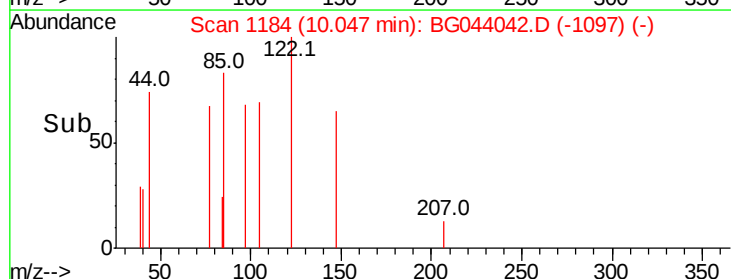
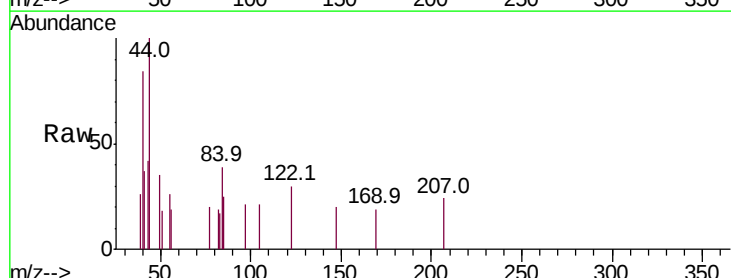
Instrument :
 BNA_G
 ClientSampleId :

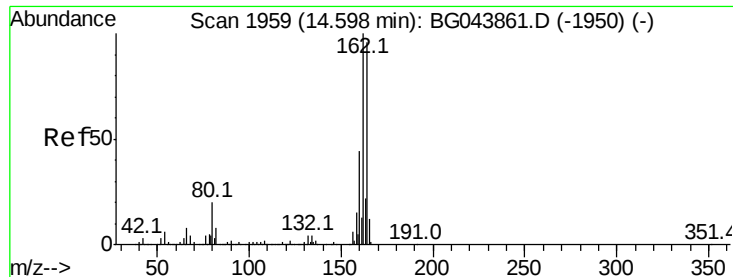
Tot Ion: 82 Resp: 577486
 Ion Ratio Lower Upper
 82 100
 128 45.7 35.1 52.7
 54 47.1 40.1 60.1



#32
 Benzoic acid
 Concen: 6.304 ng
 RT: 10.05 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BG044042.D
 Acq: 14 Jan 2020 18:46

Tgt Ion: 122 Resp: 275
 Ion Ratio Lower Upper
 122 100
 105 69.3 106.4 146.4#
 77 66.7 74.6 114.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

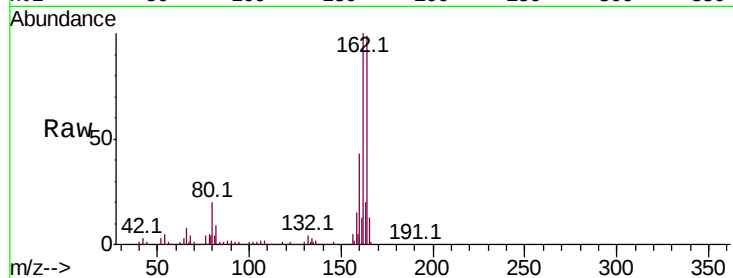
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 328708

Ion	Ratio	Lower	Upper
164	100		
162	101.4	83.0	124.4
160	43.8	36.1	54.1

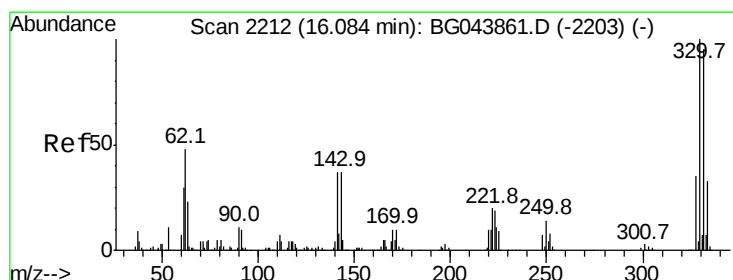
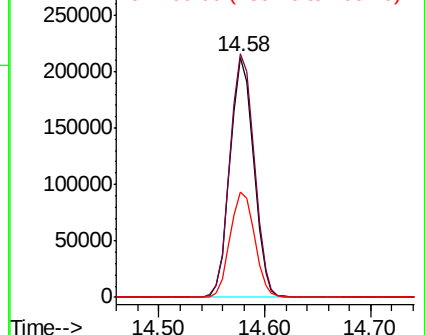
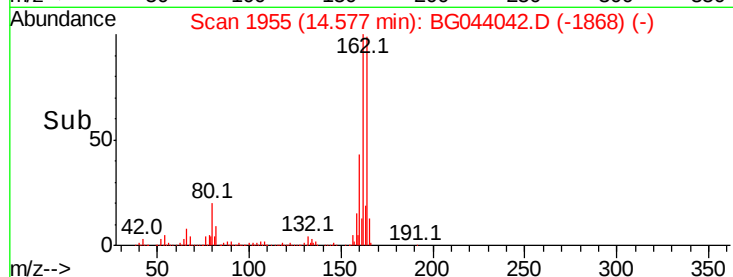


Abundance

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: 96.636 ng

RT: 16.07 min Scan# 2209

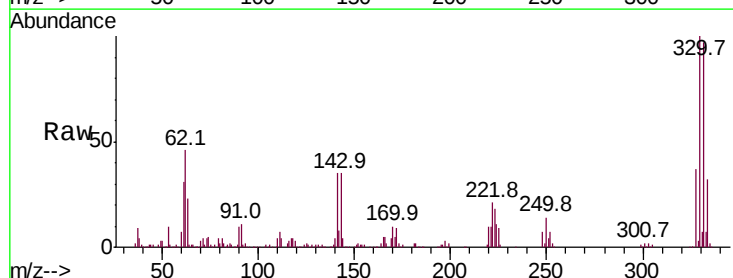
Delta R.T. -0.01 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

Tgt Ion:330 Resp: 332415

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.2	115.8
141	38.8	33.1	49.7

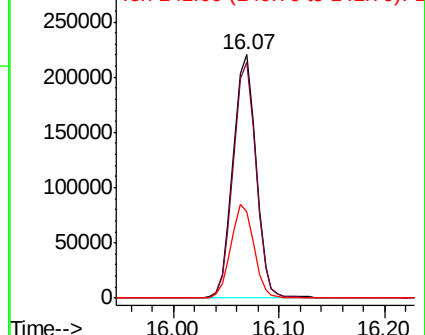
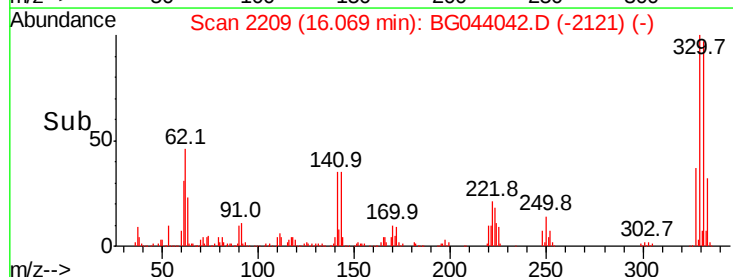


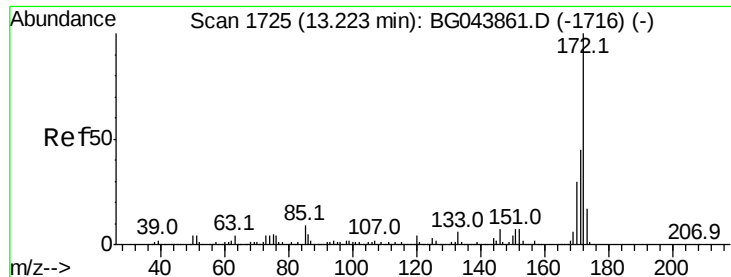
Abundance

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



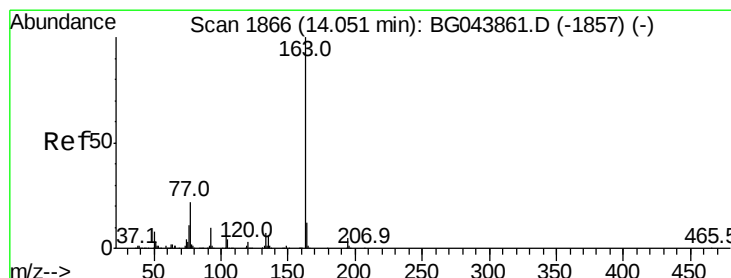
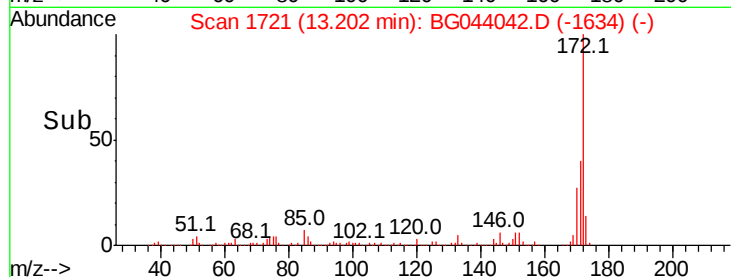
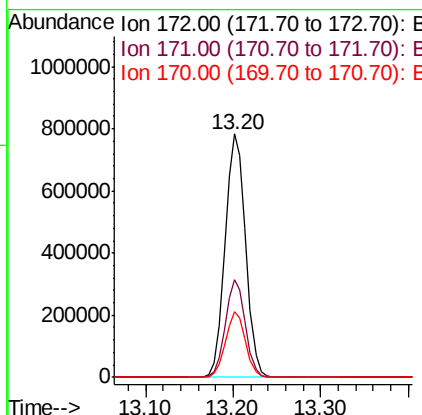
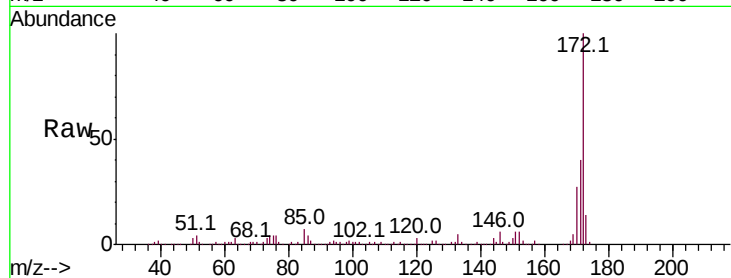


#45
 2-Fluorobiphenyl
 Concen: 69.500 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.02 min
 Lab File: BG044042.D
 Acq: 14 Jan 2020 18:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1260939

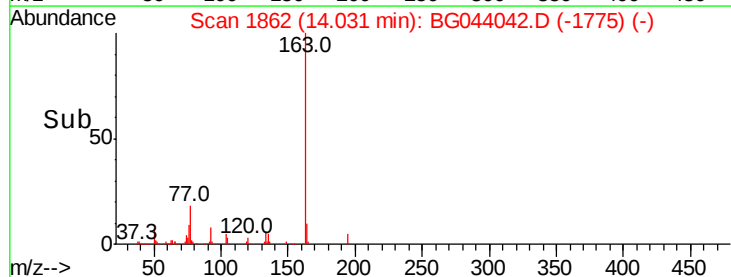
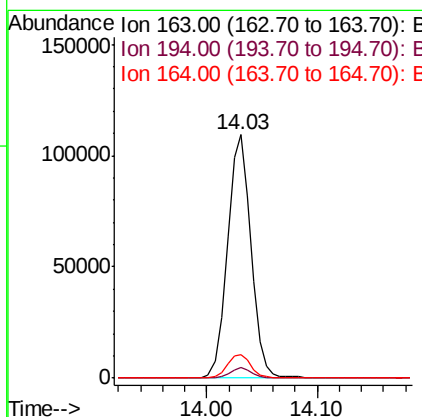
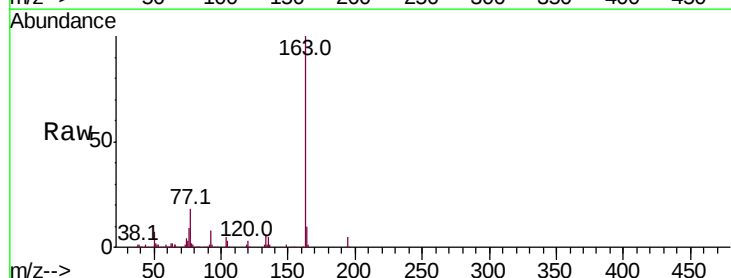
Ion	Ratio	Lower	Upper
172	100		
171	40.3	35.8	53.8
170	26.8	24.2	36.4

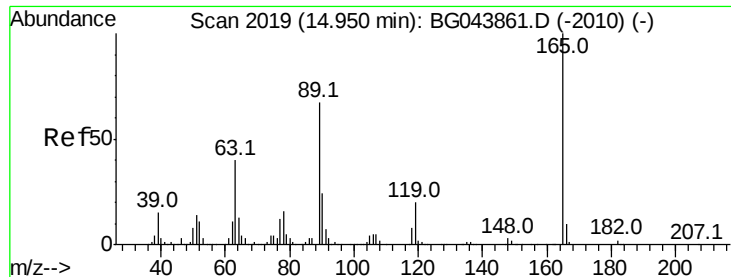


#50
 Dimethylphthalate
 Concen: 6.984 ng
 RT: 14.03 min Scan# 1862
 Delta R.T. -0.02 min
 Lab File: BG044042.D
 Acq: 14 Jan 2020 18:46

Tgt Ion:163 Resp: 163015

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.7	5.5
164	9.8	9.3	13.9

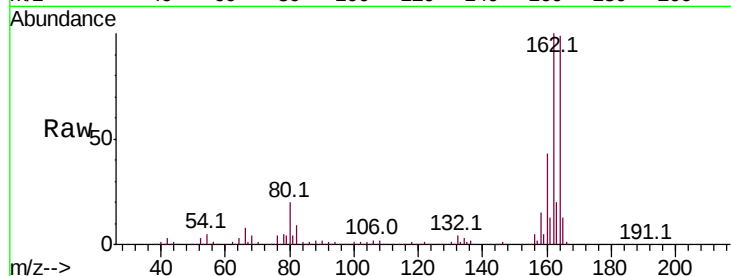




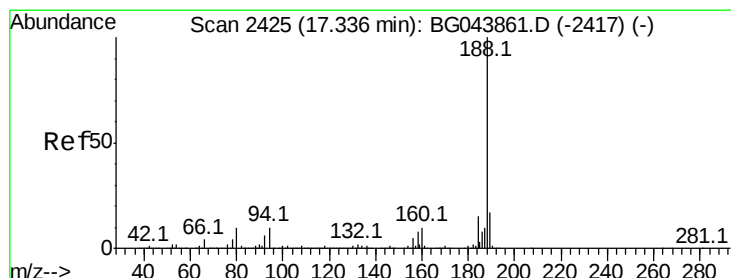
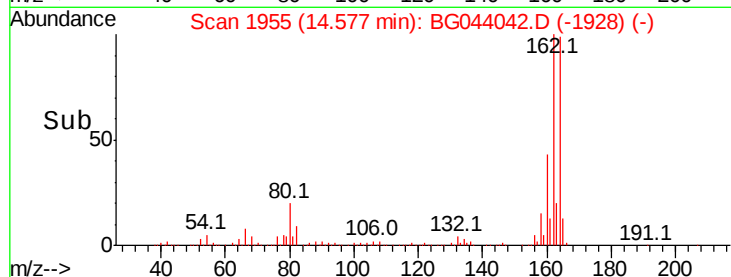
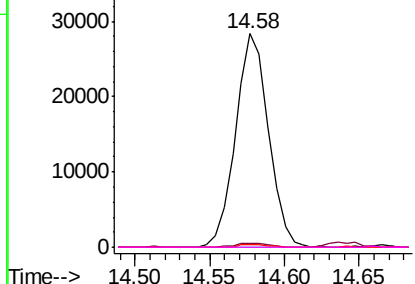
#57
 2,4-Dinitrotoluene
 Concen: 6.053 ng
 RT: 14.58 min Scan# 1955
 Delta R.T. -0.37 min
 Lab File: BG044042.D
 Acq: 14 Jan 2020 18:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 43451
 Ion Ratio Lower Upper
 165 100
 63 1.6 31.9 47.9#
 89 1.3 53.8 80.6#
 182 0.0 2.0 3.0#

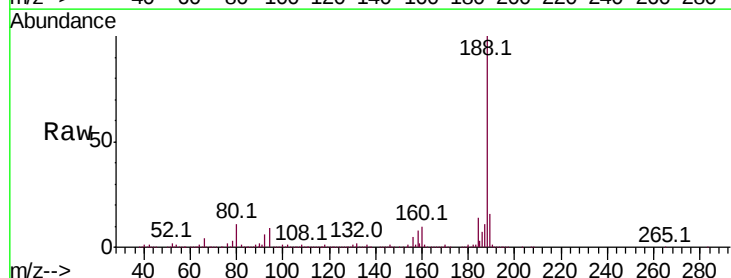


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

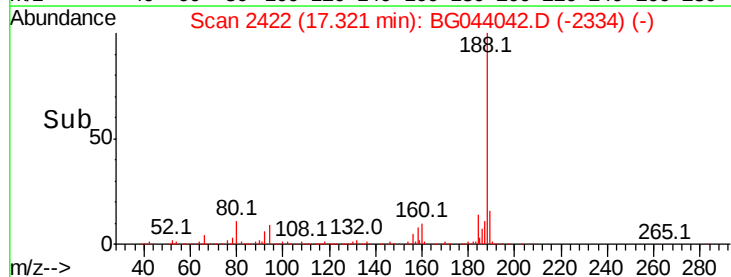
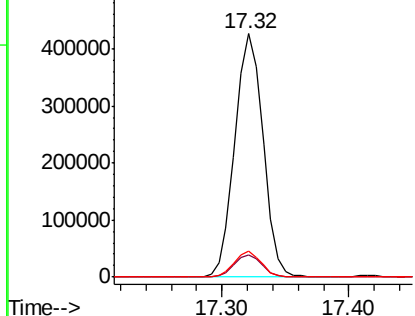


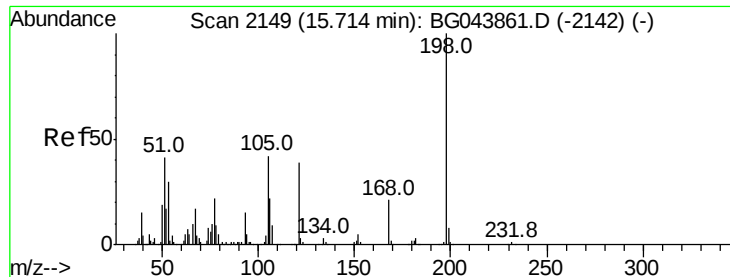
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG044042.D
 Acq: 14 Jan 2020 18:46

Tgt Ion:188 Resp: 657065
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.9 11.9
 80 10.5 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 4.645 ng

RT: 16.07 min Scan# 2209

Delta R.T. 0.36 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

Instrument :

BNA_G

ClientSampleId :

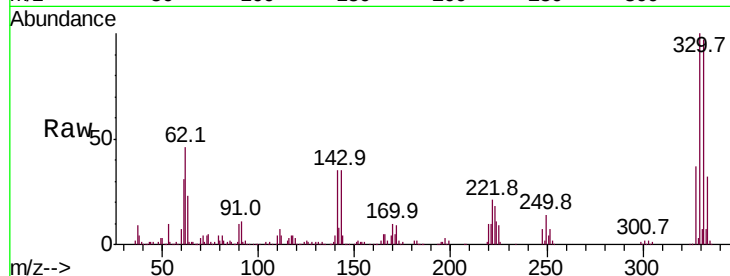
Tot Ion:198 Resp: 950

Ion Ratio Lower Upper

198 100

51 120.5 22.5 62.5#

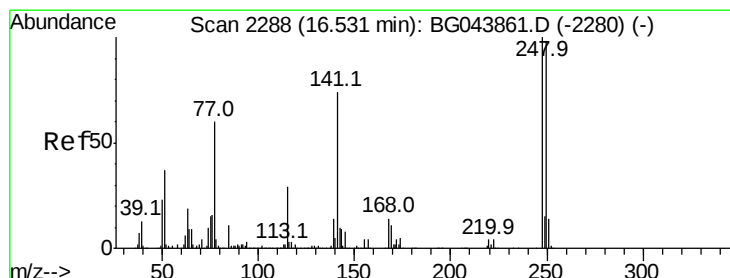
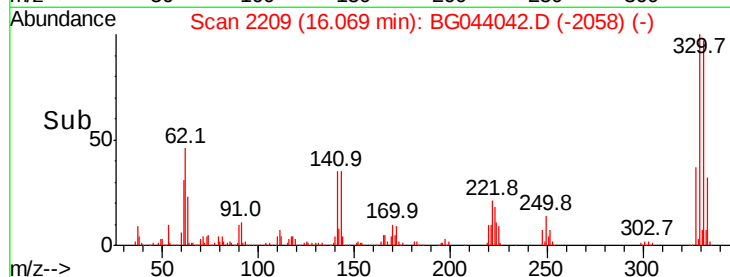
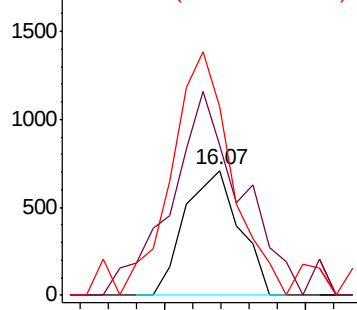
105 151.6 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.145 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.46 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

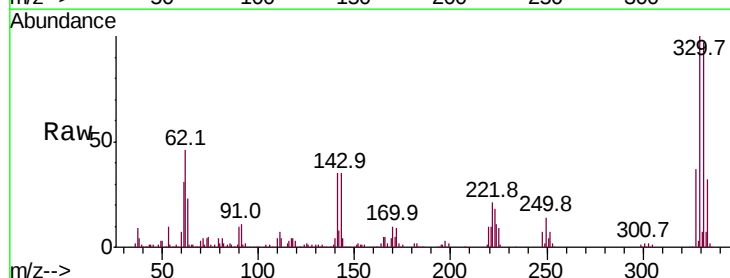
Tgt Ion:248 Resp: 23245

Ion Ratio Lower Upper

248 100

250 195.0 78.2 117.2#

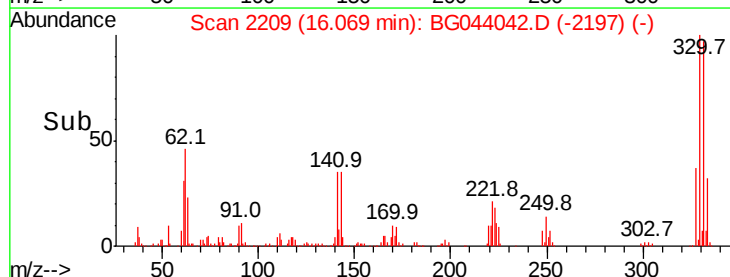
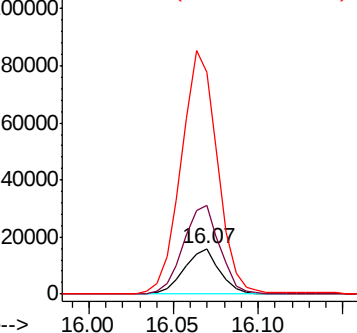
141 484.6 59.3 88.9#

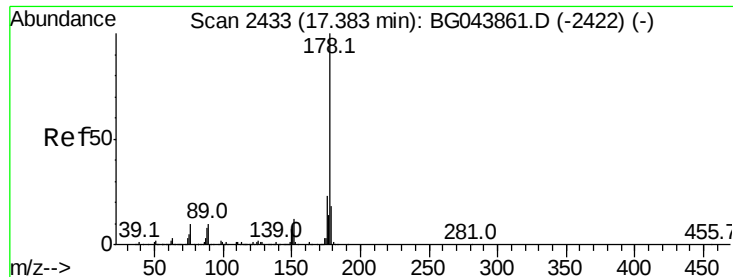


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

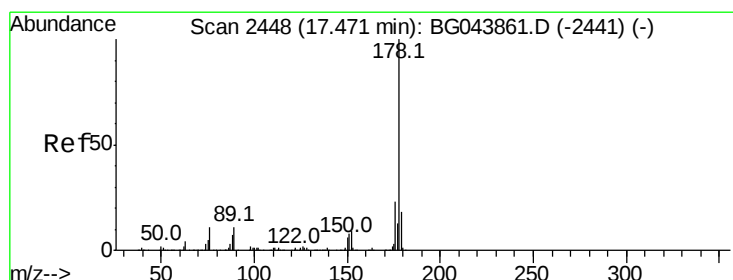
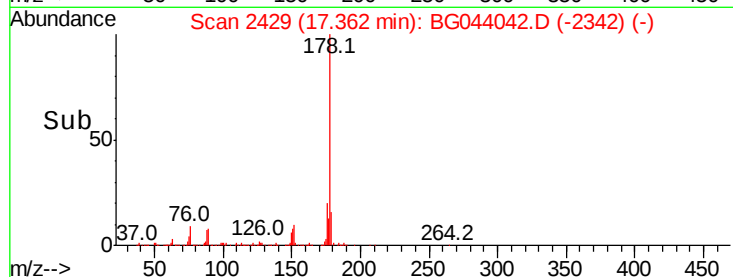
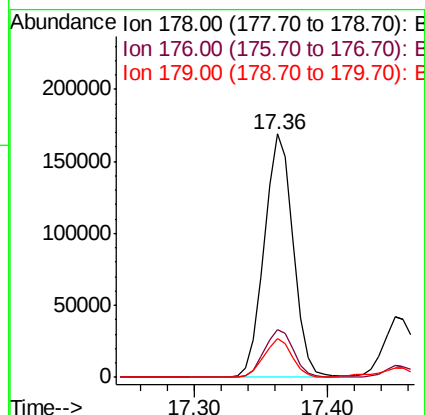
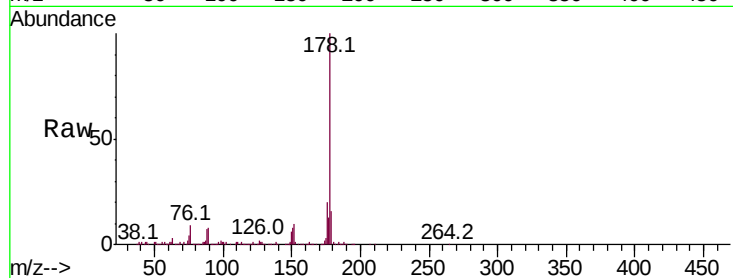




#71
Phenanthrene
Concen: 8.036 ng
RT: 17.36 min Scan# 2429
Delta R.T. -0.02 min
Lab File: BG044042.D
Acq: 14 Jan 2020 18:46

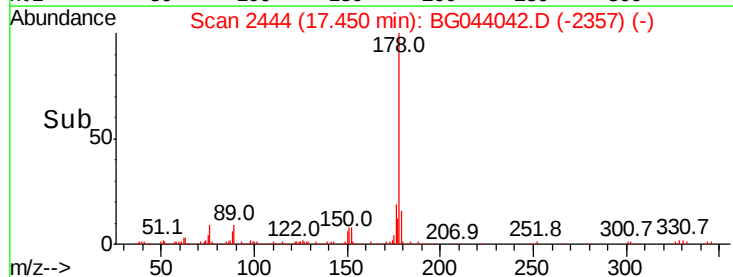
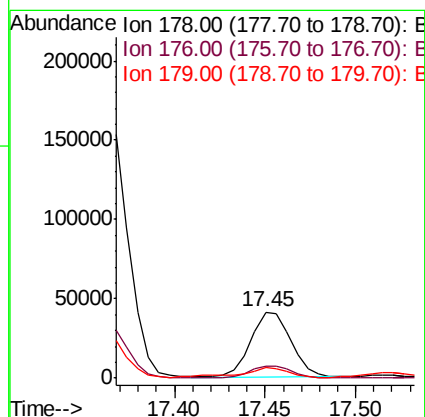
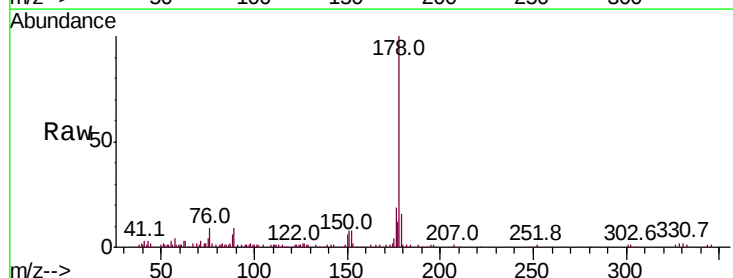
Instrument :
BNA_G
ClientSampleId :

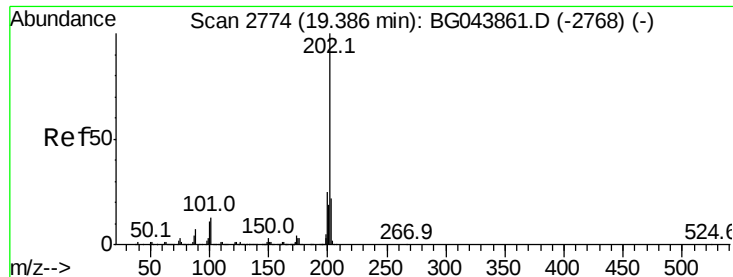
Tot Ion:178 Resp: 253270
Ion Ratio Lower Upper
178 100
176 19.6 18.6 28.0
179 15.7 14.4 21.6



#72
Anthracene
Concen: 2.059 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.02 min
Lab File: BG044042.D
Acq: 14 Jan 2020 18:46

Tgt Ion:178 Resp: 64140
Ion Ratio Lower Upper
178 100
176 18.9 18.3 27.5
179 16.3 14.6 22.0





#75

Fluoranthene

Concen: 17.761 ng

RT: 19.37 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BG044042.D

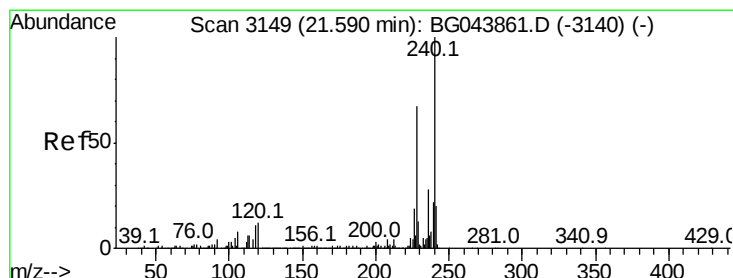
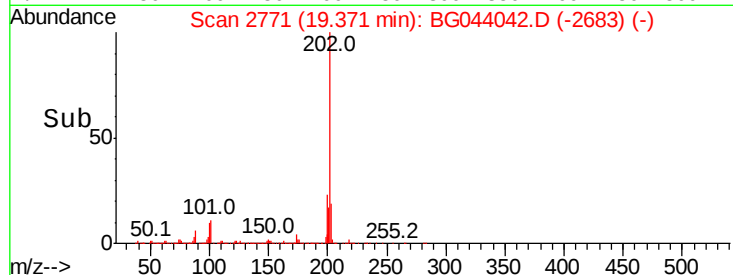
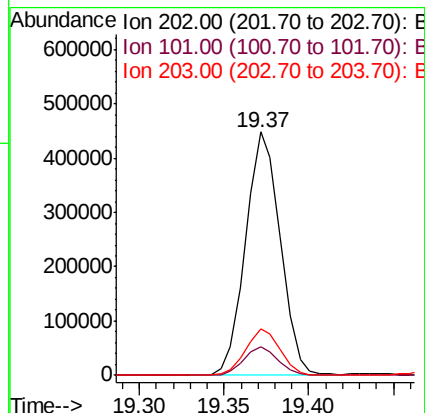
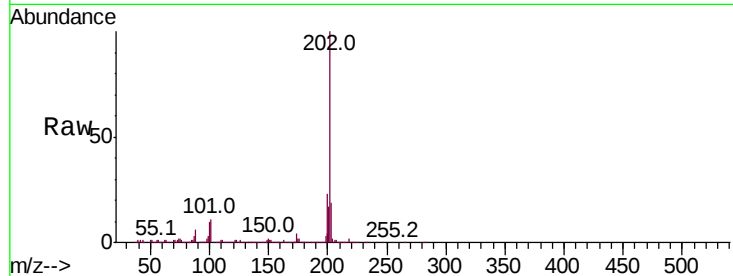
Acq: 14 Jan 2020 18:46

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	640165
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	33.3
203	19.2	1.6	41.6



#76

Chrysene-d12

Concen: 20.000 ng

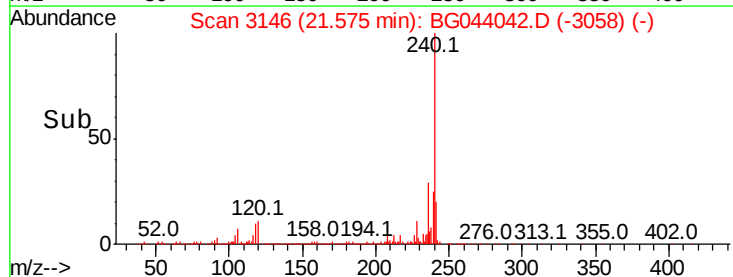
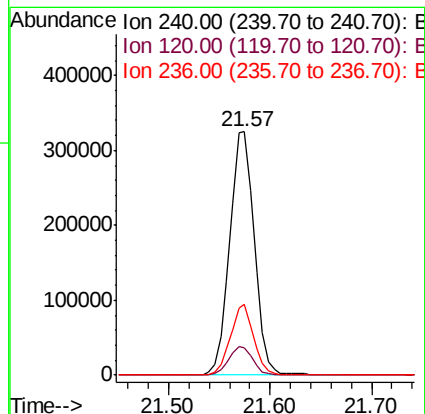
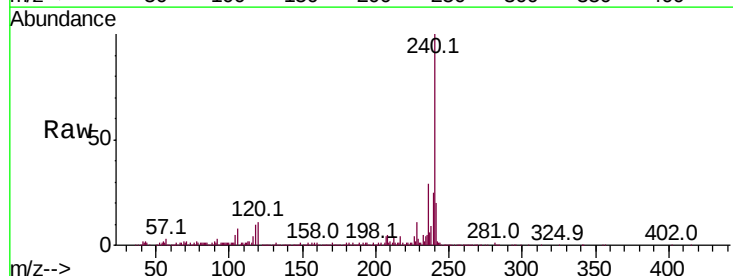
RT: 21.57 min Scan# 3146

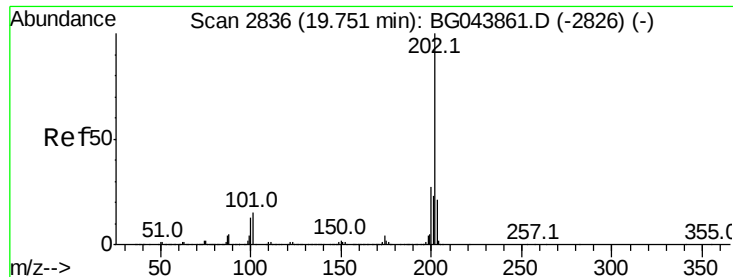
Delta R.T. -0.01 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

Tgt Ion:	240	Resp:	546246
Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.6	14.4
236	29.2	22.2	33.2





#78

Pvrene

Concen: 17.332 ng

RT: 19.74 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BG044042.D

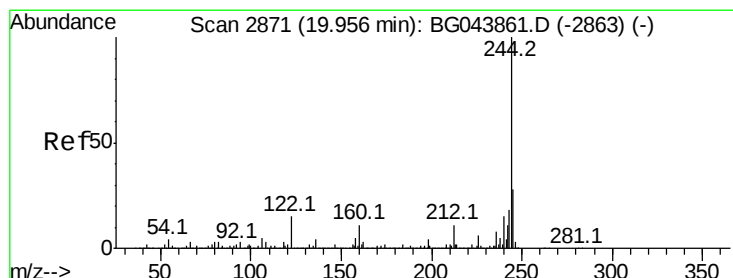
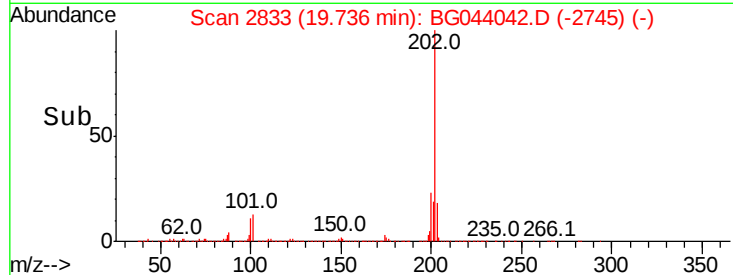
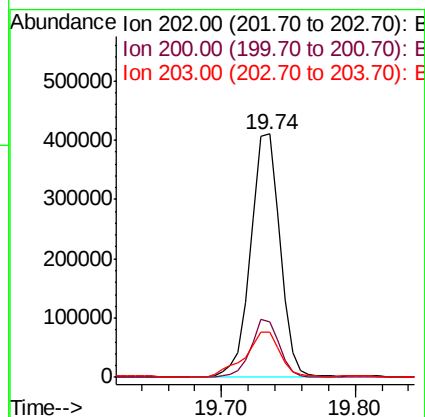
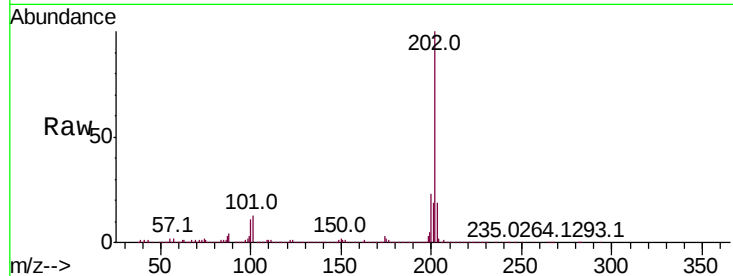
Acq: 14 Jan 2020 18:46

Instrument :

BNA_G

ClientSampled :

Tot Ion:	202	Resp:	617993
Ion	Ratio	Lower	Upper
202	100		
200	22.8	21.7	32.5
203	18.5	17.0	25.6



#79

Terphenyl-d14

Concen: 60.425 ng

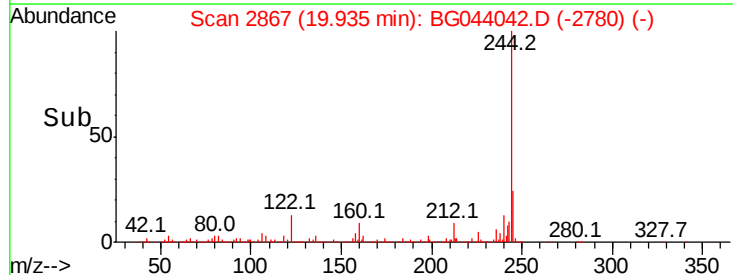
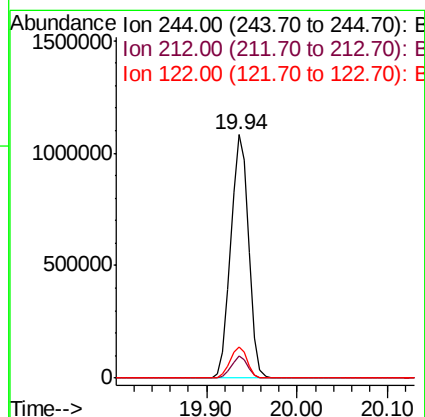
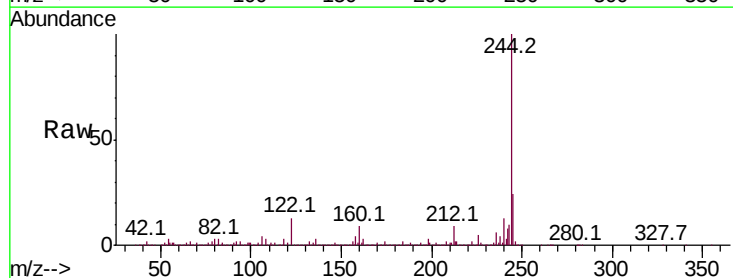
RT: 19.94 min Scan# 2867

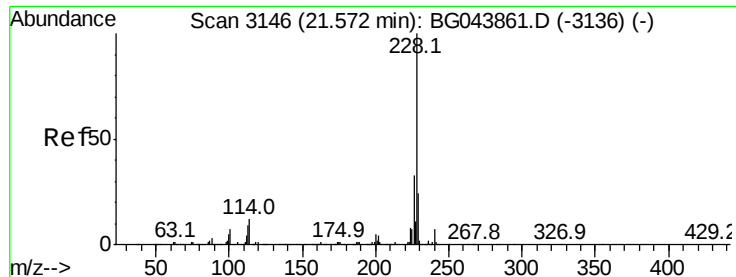
Delta R.T. -0.02 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

Tgt Ion:	244	Resp:	1489709
Ion	Ratio	Lower	Upper
244	100		
212	9.0	8.6	13.0
122	12.7	11.9	17.9

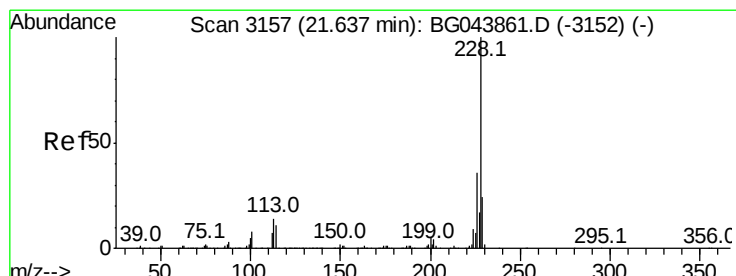
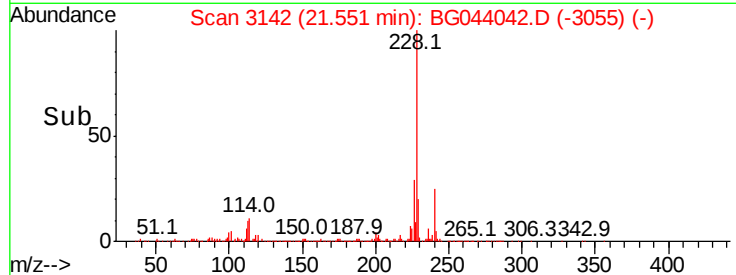
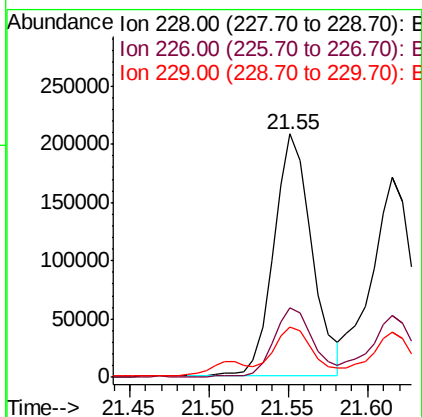
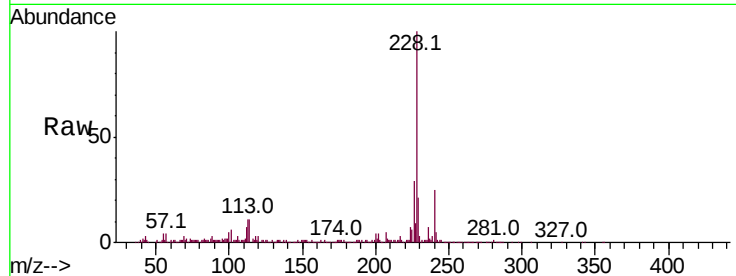




#81
Benzo(a)anthracene
Concen: 10.226 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.02 min
Lab File: BG044042.D
Acq: 14 Jan 2020 18:46

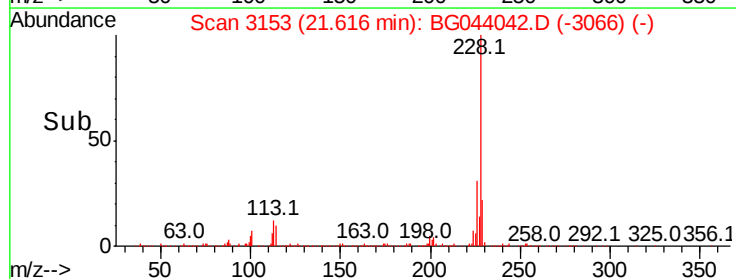
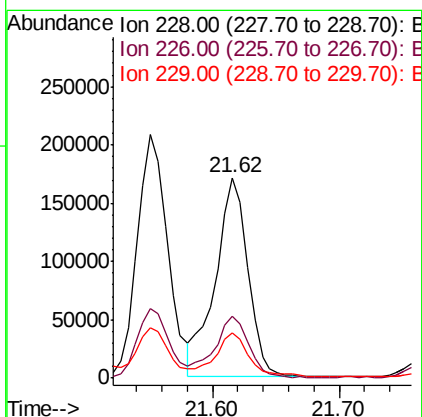
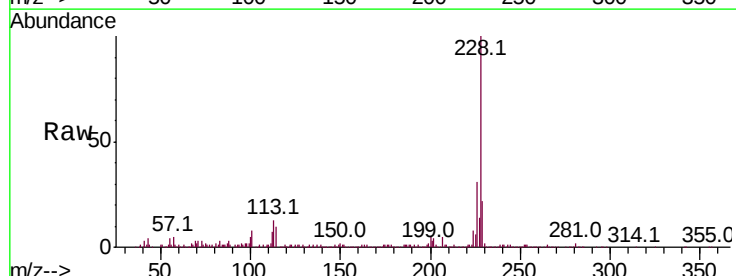
Instrument :
BNA_G
ClientSampleId :

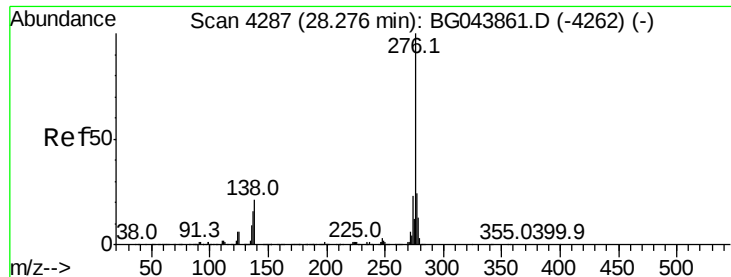
Tot Ion:228 Resp: 346380
Ion Ratio Lower Upper
228 100
226 28.7 26.2 39.4
229 20.6 18.9 28.3



#83
Chrysene
Concen: 9.496 ng
RT: 21.62 min Scan# 3153
Delta R.T. -0.02 min
Lab File: BG044042.D
Acq: 14 Jan 2020 18:46

Tgt Ion:228 Resp: 305628
Ion Ratio Lower Upper
228 100
226 31.2 28.8 43.2
229 22.4 19.0 28.6





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.256 ng

RT: 28.24 min Scan# 4281

Delta R.T. -0.03 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

Instrument :

BNA_G

ClientSampleId :

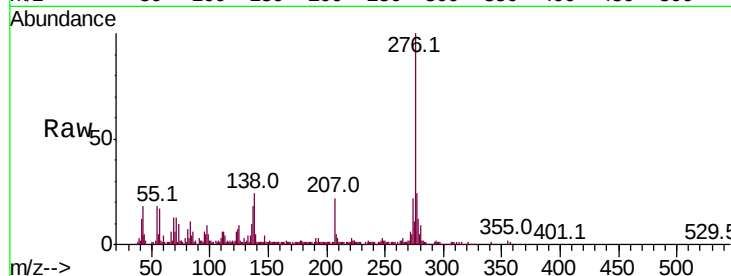
Tot Ion:276 Resp: 229881

Ion Ratio Lower Upper

276 100

138 21.5 21.0 31.4

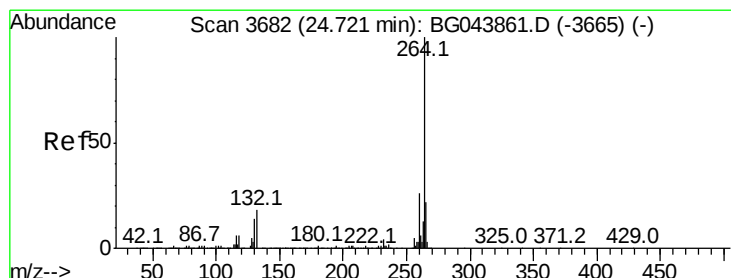
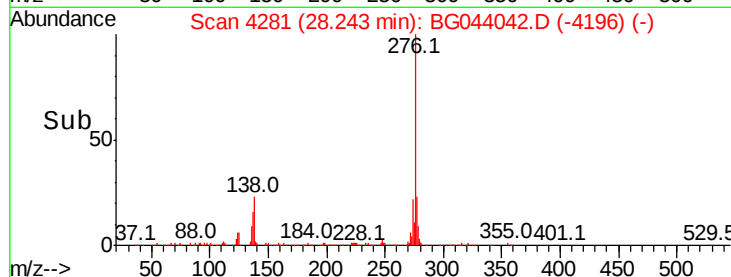
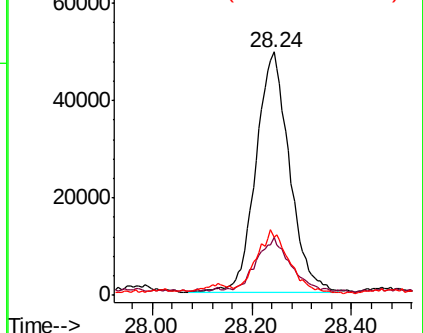
277 25.8 21.1 31.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3678

Delta R.T. -0.02 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

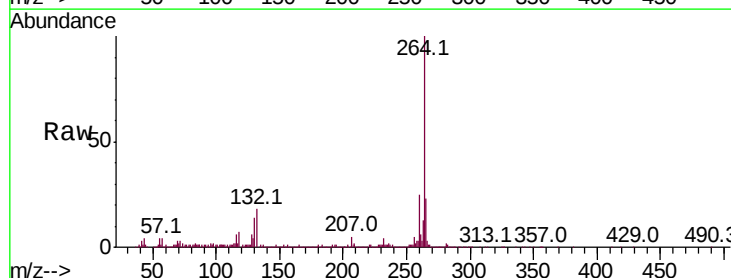
Tgt Ion:264 Resp: 616183

Ion Ratio Lower Upper

264 100

260 24.6 20.4 30.6

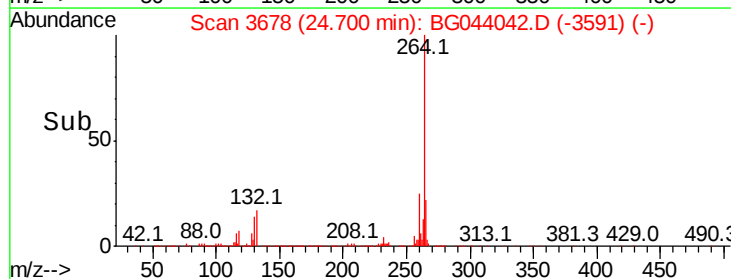
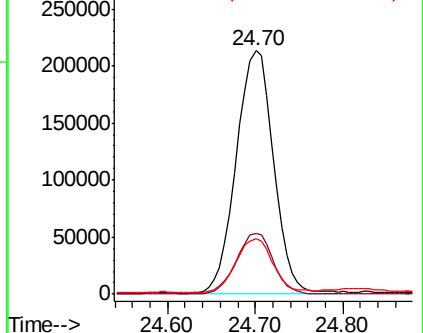
265 22.7 17.4 26.2

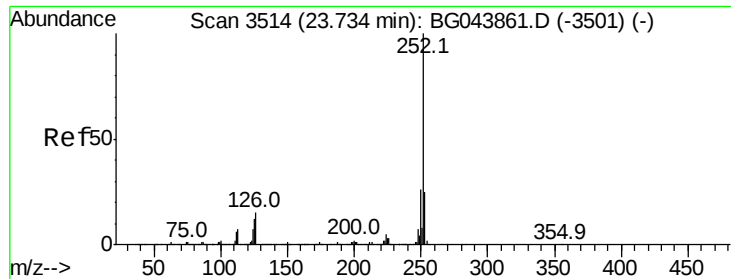


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

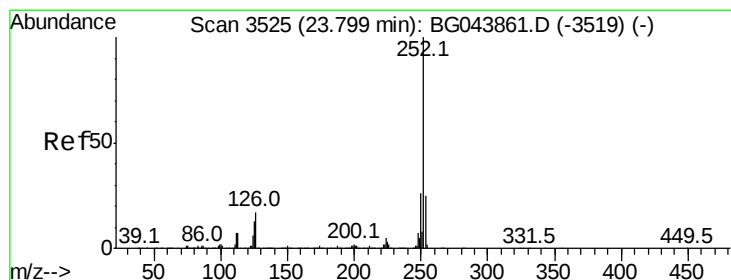
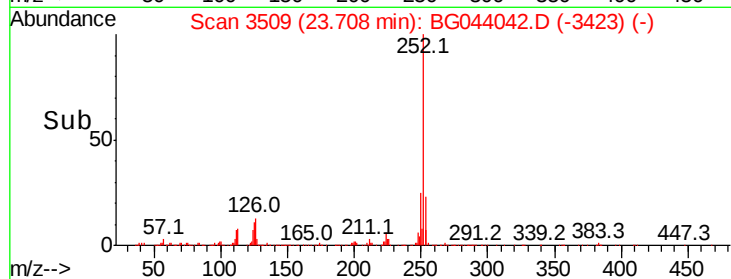
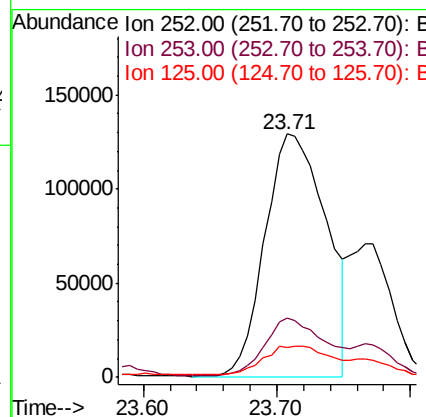
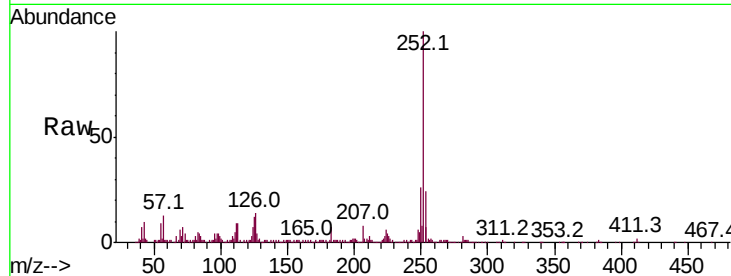




#88
Benzo(b)fluoranthene
Concen: 11.213 ng
RT: 23.71 min Scan# 3509
Delta R.T. -0.03 min
Lab File: BG044042.D
Acq: 14 Jan 2020 18:46

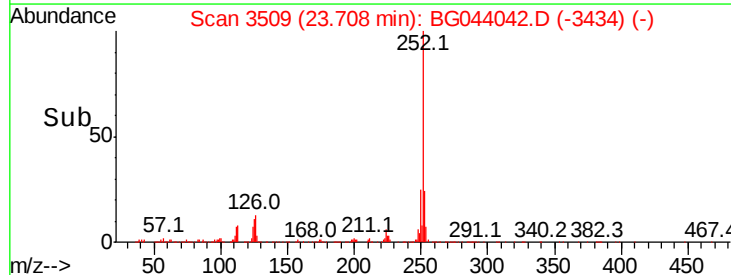
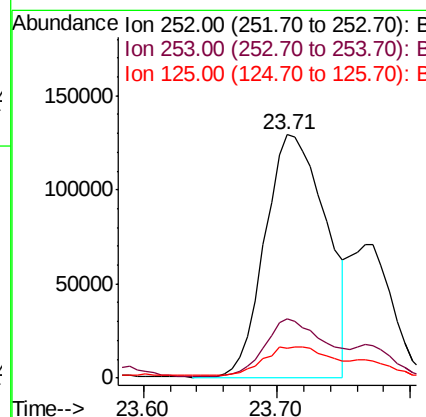
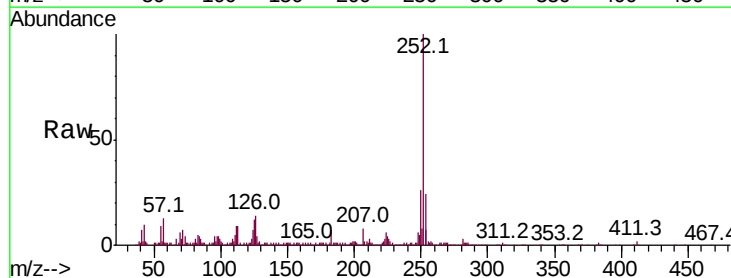
Instrument :
BNA_G
ClientSampleId :

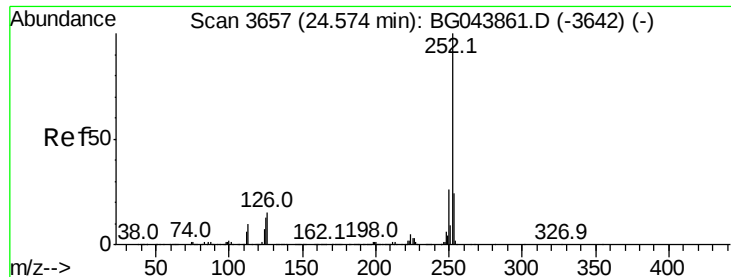
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.7	29.5
125	12.2	9.4	14.2



#89
Benzo(k)fluoranthene
Concen: 11.791 ng
RT: 23.71 min Scan# 3509
Delta R.T. -0.09 min
Lab File: BG044042.D
Acq: 14 Jan 2020 18:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.4	29.2
125	12.2	9.9	14.9





#90

Benzo(a)pyrene

Concen: 9.553 ng

RT: 24.55 min Scan# 3652

Delta R.T. -0.03 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

Instrument :

BNA_G

ClientSampleId :

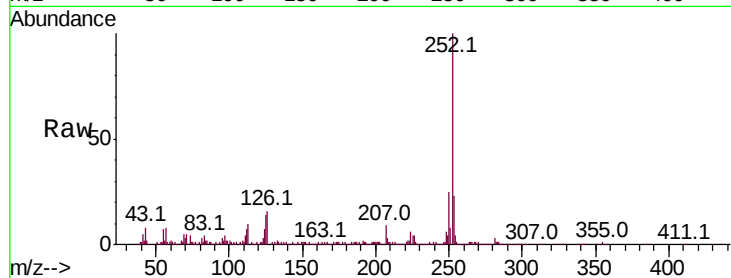
Tot Ion:252 Resp: 328438

Ion Ratio Lower Upper

252 100

253 23.4 19.3 28.9

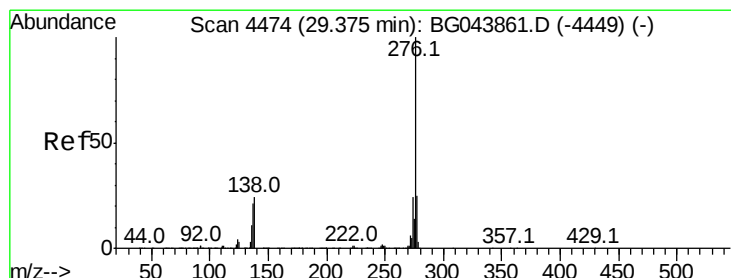
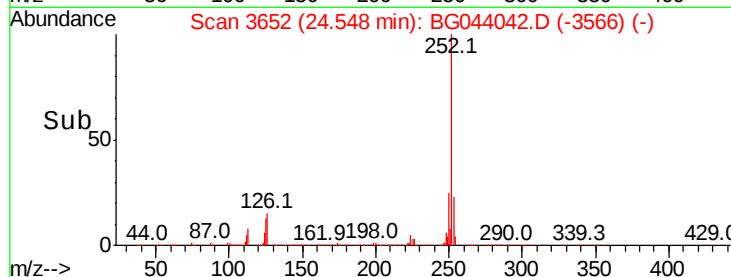
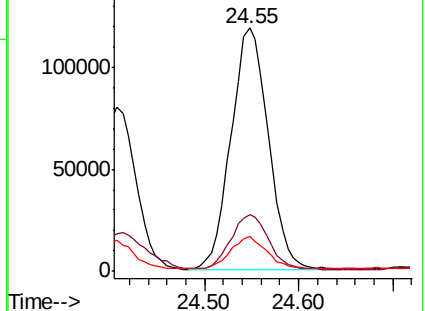
125 14.2 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 6.928 ng

RT: 29.35 min Scan# 4469

Delta R.T. -0.03 min

Lab File: BG044042.D

Acq: 14 Jan 2020 18:46

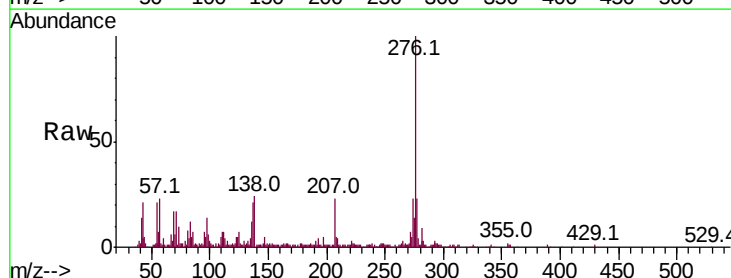
Tgt Ion:276 Resp: 237608

Ion Ratio Lower Upper

276 100

277 23.4 20.2 30.4

138 24.0 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

