

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031620\
 Data File : BG044821.D
 Acq On : 16 Mar 2020 20:17
 Operator : CG/JU
 Sample : L1912-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z3-S1

Quant Time: Mar 17 01:23:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	107561	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	428952	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	291332	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	610351	20.00	ng	0.00
76) Chrysene-d12	21.70	240	500759	20.00	ng	0.00
87) Perylene-d12	24.91	264	577038	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	696610	100.82	ng	0.00
7) Phenol-d6	7.21	99	979952	97.61	ng	0.00
23) Nitrobenzene-d5	9.20	82	649954	66.49	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	388561	101.86	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1325518	65.16	ng	0.00
79) Terphenyl-d14	20.04	244	1826531	68.23	ng	0.00

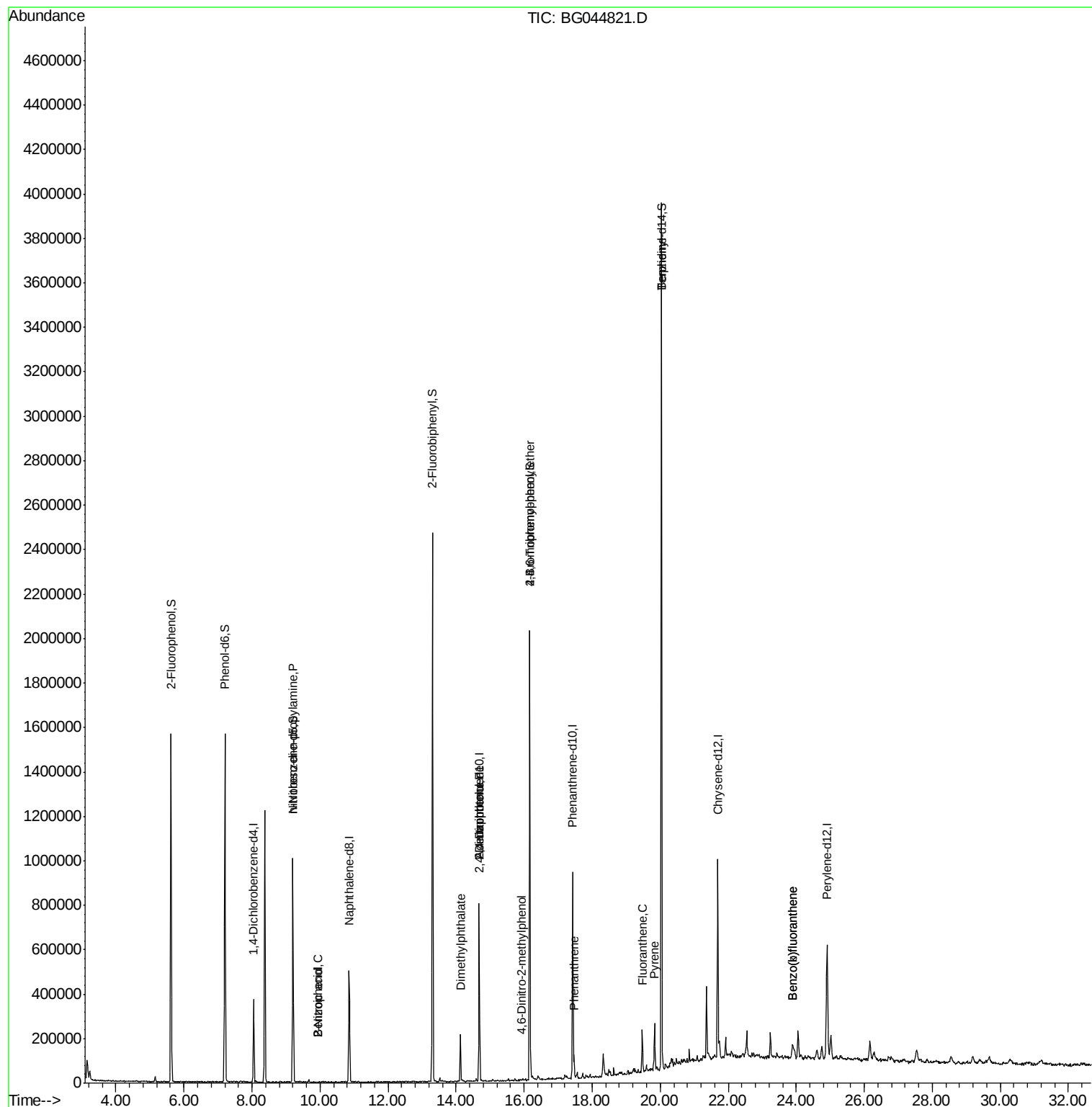
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2118	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	85402	12.05	ng	73
26) 2-Nitrophenol	9.96	139	85	5.54	ng	28
32) Benzoic acid	9.96	122	131	9.69	ng	1
50) Dimethylphthalate	14.13	163	143016	6.16	ng	99
54) 2,4-Dinitrophenol	14.69	184	61	8.35	ng	1
57) 2,4-Dinitrotoluene	14.68	165	35779	5.58	ng	23
65) 4,6-Dinitro-2-methylphenol	15.93	198	56	7.74	ng	33
67) 4-Bromophenyl-phenylether	16.17	248	27872	3.65	ng	1
71) Phenanthrene	17.47	178	66741	2.05	ng	96
75) Fluoranthene	19.47	202	118193	3.04	ng	95
77) Benzidine	20.04	184	34249	2.11	ng	92
78) Pyrene	19.83	202	114316	3.11	ng	97
88) Benzo(b)fluoranthene	23.89	252	80926	2.12	ng	95
89) Benzo(k)fluoranthene	23.89	252	80926	2.24	ng	95

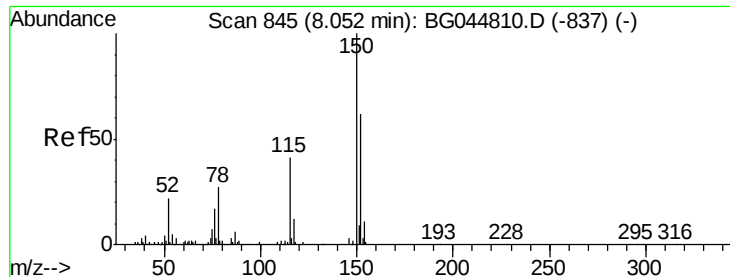
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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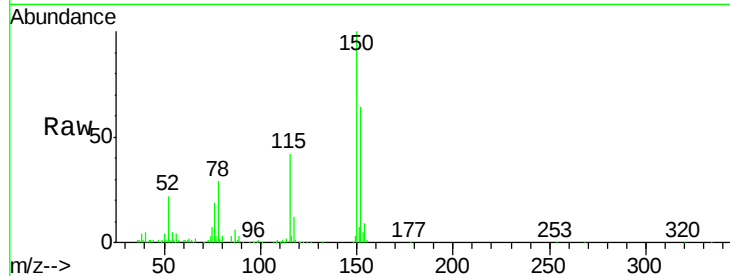


#1

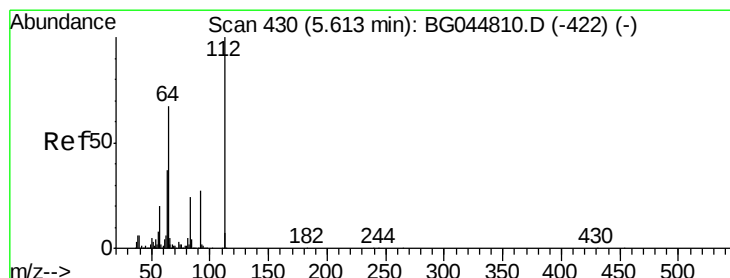
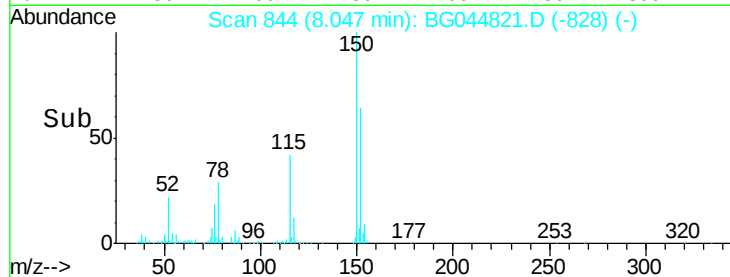
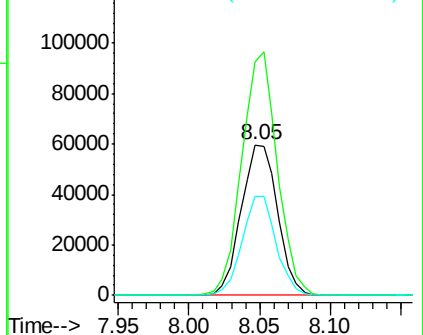
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG044821.D
Acq: 16 Mar 2020 20:17

Instrument :
BNA_G
ClientSampleId :
Z3-S1

Tgt Ion:152 Resp: 107561
Ion Ratio Lower Upper
152 100
150 155.3 128.8 193.2
115 65.9 52.6 79.0



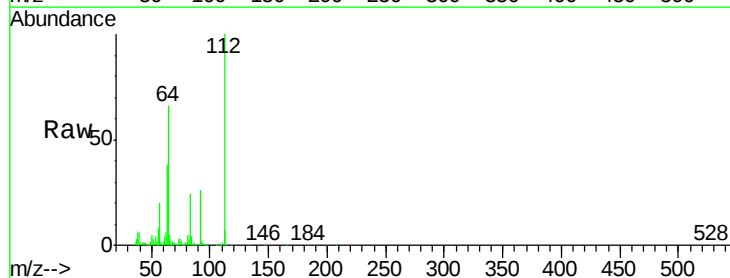
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



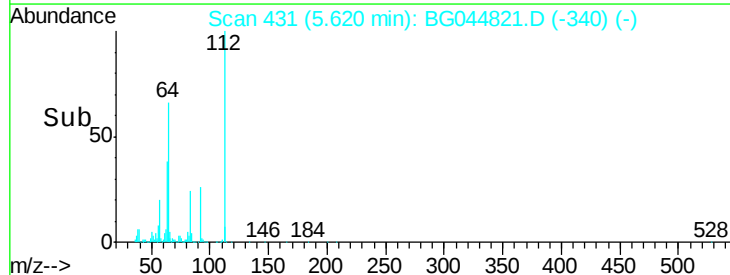
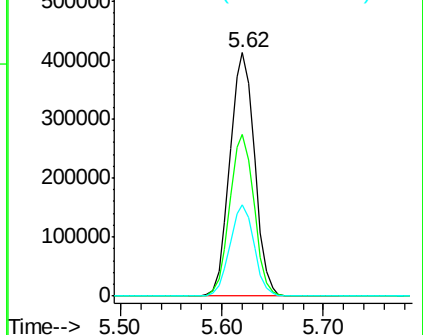
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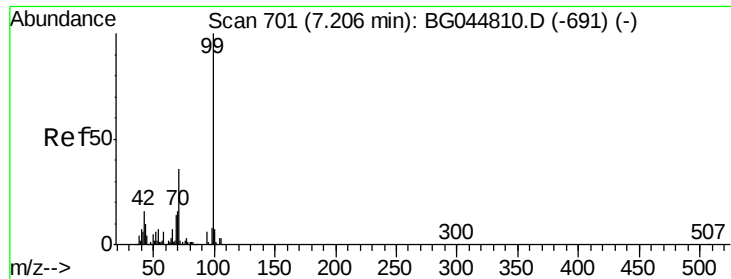
2-Fluorophenol
Concen: 100.82 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044821.D
Acq: 16 Mar 2020 20:17

Tgt Ion:112 Resp: 696610
Ion Ratio Lower Upper
112 100
64 66.3 53.4 80.2
63 37.5 29.4 44.2



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





#7

Phenol-d6

Concen: 97.61 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

Instrument :

BNA_G

ClientSampleId :

Z3-S1

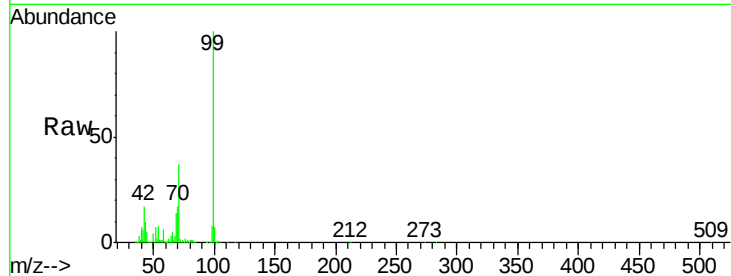
Tgt Ion: 99 Resp: 979952

Ion Ratio Lower Upper

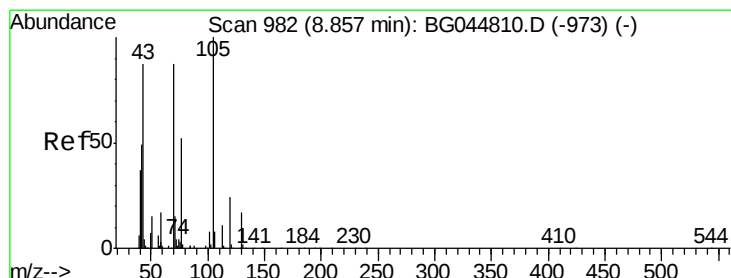
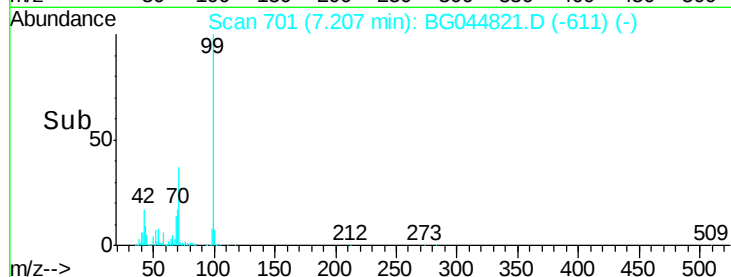
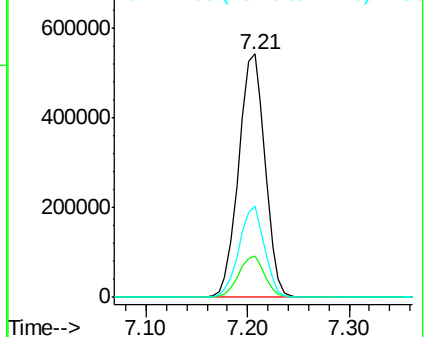
99 100

42 17.1 12.6 19.0

71 37.3 29.0 43.4



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: 12.05 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

Tgt Ion: 70 Resp: 85402

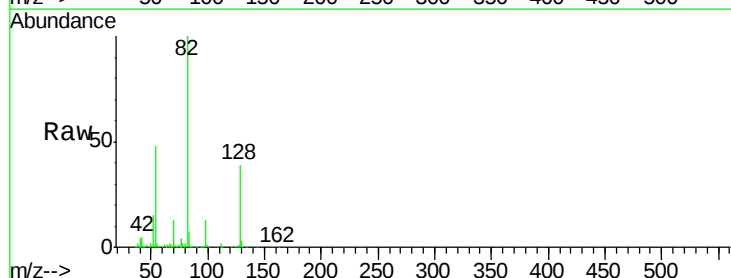
Ion Ratio Lower Upper

70 100

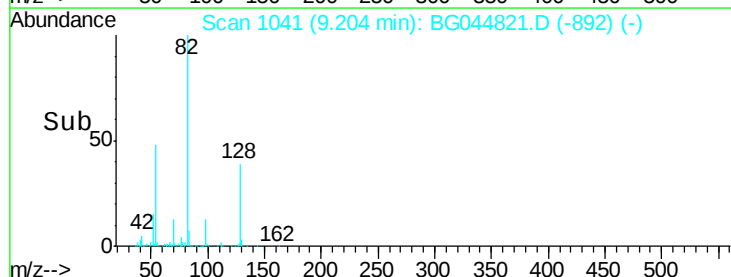
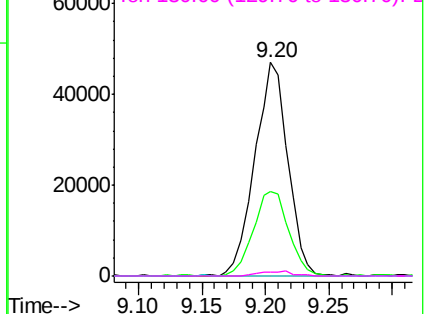
42 39.8 45.7 68.5#

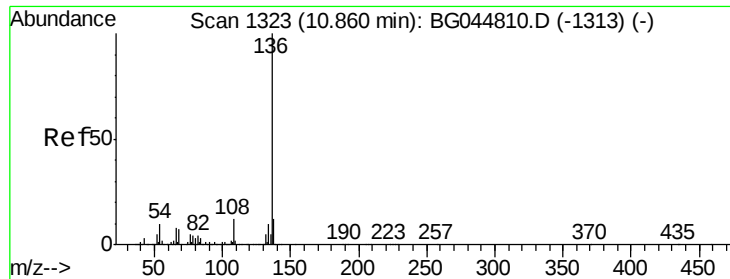
101 0.0 7.4 11.2#

130 2.1 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

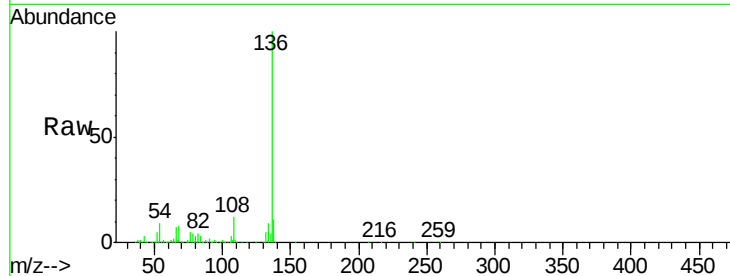




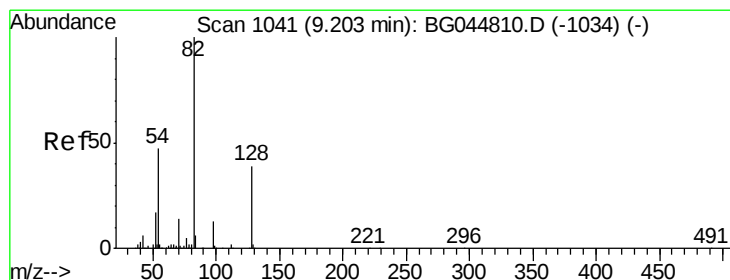
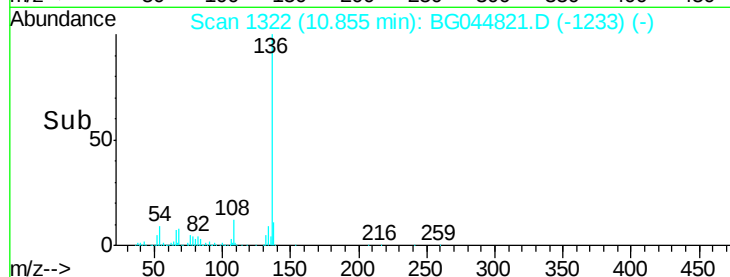
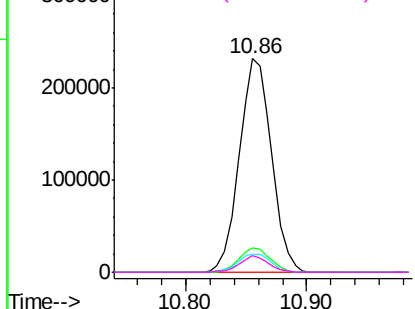
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG044821.D
Acq: 16 Mar 2020 20:17

Instrument :
BNA_G
ClientSampleId :
Z3-S1

Tgt Ion:	136	Resp:	428952
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.8	14.6
54	8.7	7.9	11.9
68	7.6	5.4	8.0

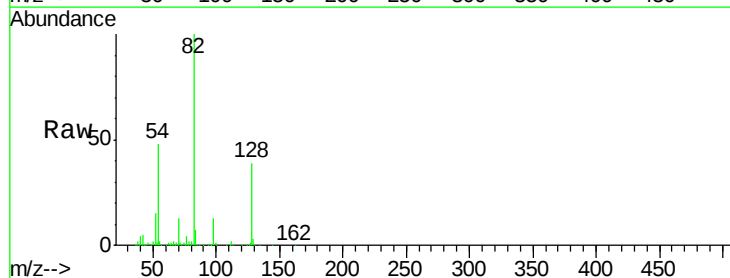


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

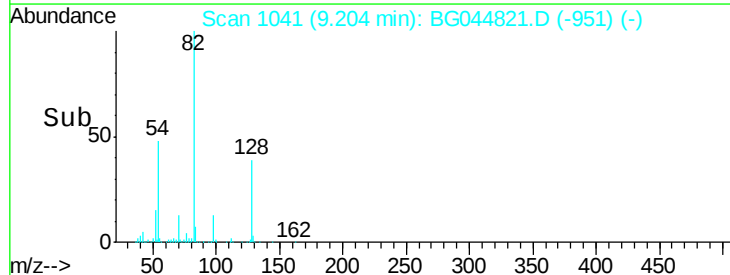
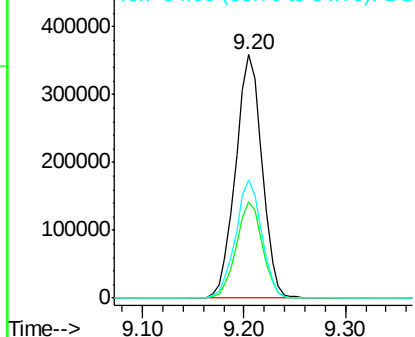


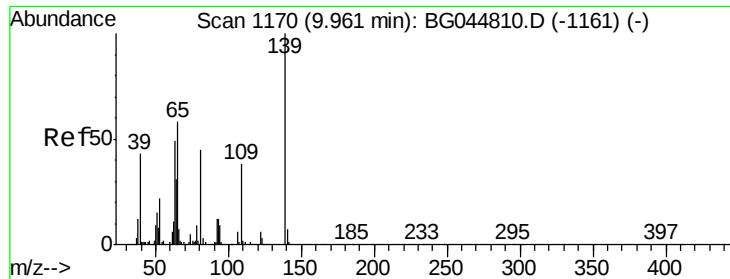
#23
Nitrobenzene-d5
Concen: 66.49 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG044821.D
Acq: 16 Mar 2020 20:17

Tgt Ion:	82	Resp:	649954
Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.6	46.0
54	48.4	37.1	55.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

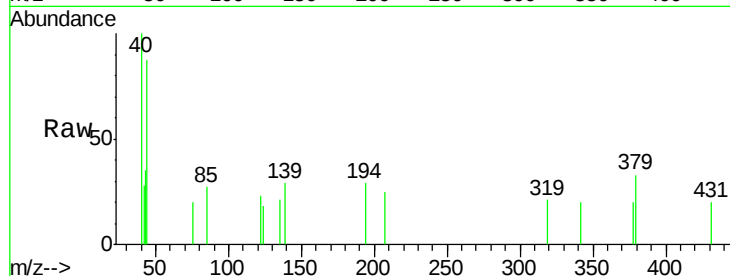




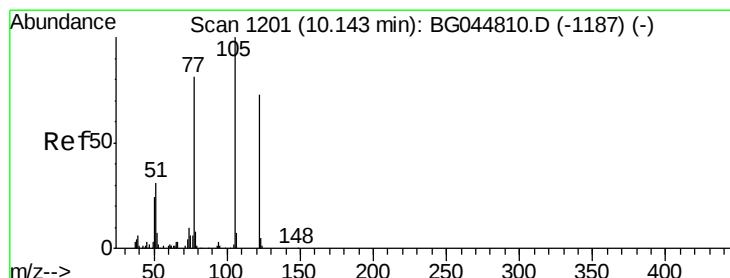
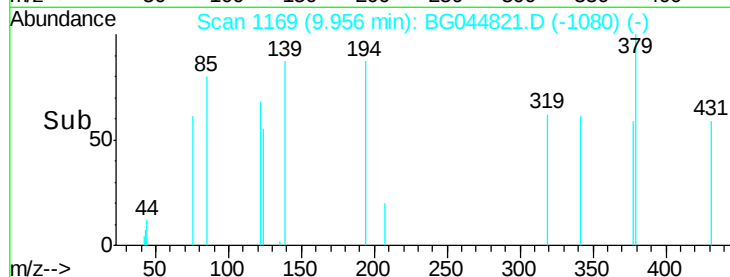
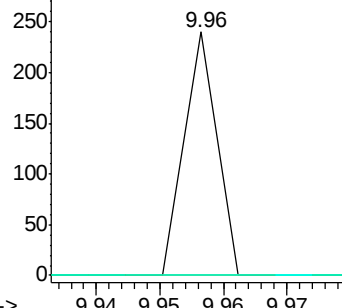
#26
2-Nitrophenol
Concen: 5.54 ng
RT: 9.96 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BG044821.D
Acq: 16 Mar 2020 20:17

Instrument :
BNA_G
ClientSampleId :
Z3-S1

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#

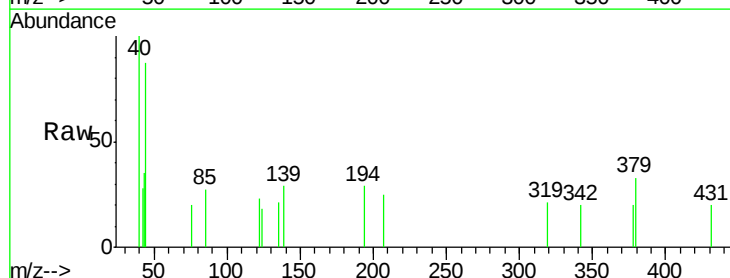


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

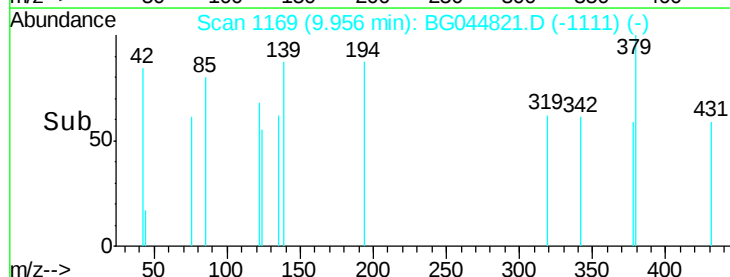
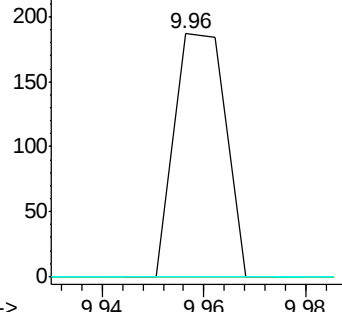


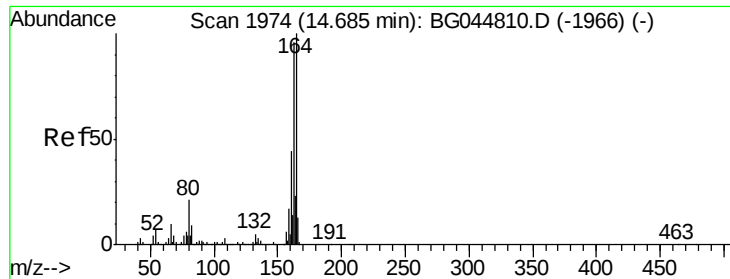
#32
Benzoic acid
Concen: 9.69 ng
RT: 9.96 min Scan# 1169
Delta R.T. -0.19 min
Lab File: BG044821.D
Acq: 16 Mar 2020 20:17

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#



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





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

Instrument :

BNA_G

ClientSampleId :

Z3-S1

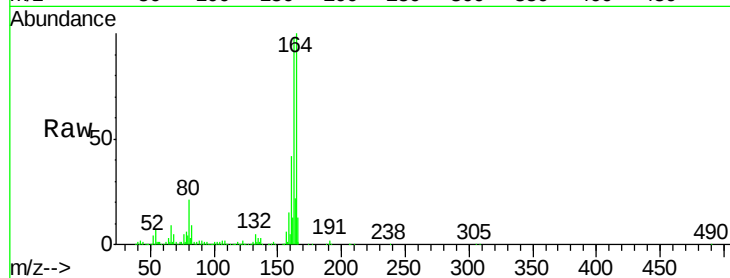
Tgt Ion:164 Resp: 291332

Ion Ratio Lower Upper

164 100

162 97.6 76.7 115.1

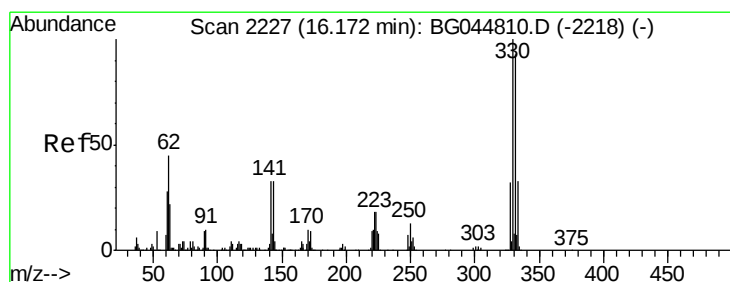
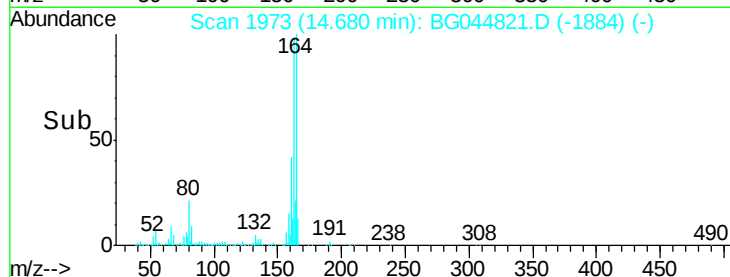
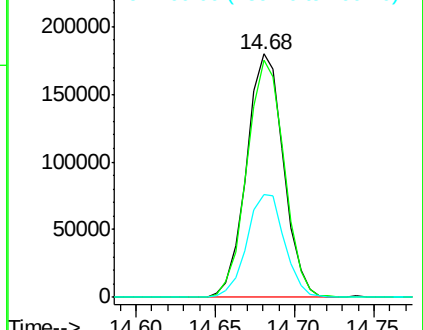
160 42.1 35.0 52.4



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: 101.86 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

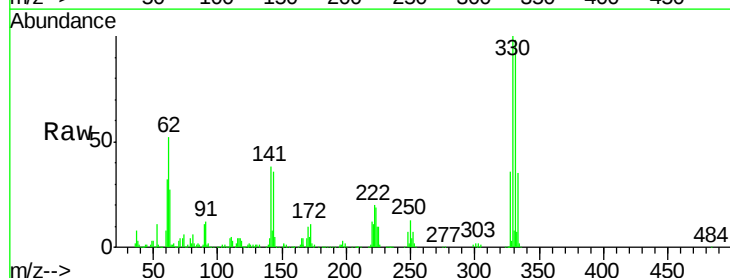
Tgt Ion:330 Resp: 388561

Ion Ratio Lower Upper

330 100

332 98.4 77.8 116.6

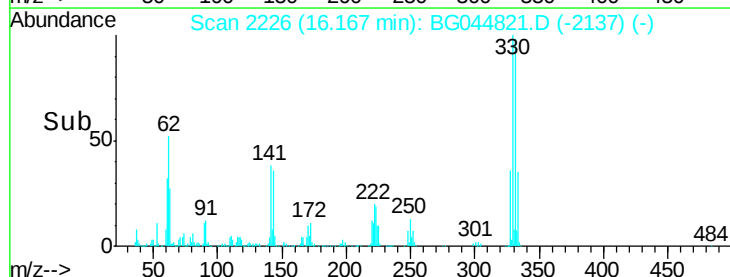
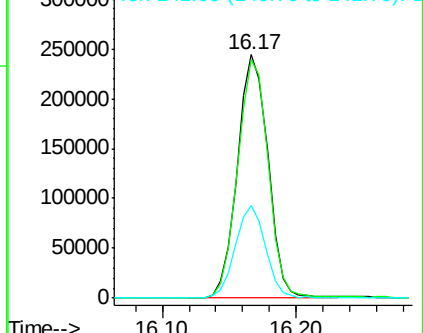
141 37.9 29.5 44.3

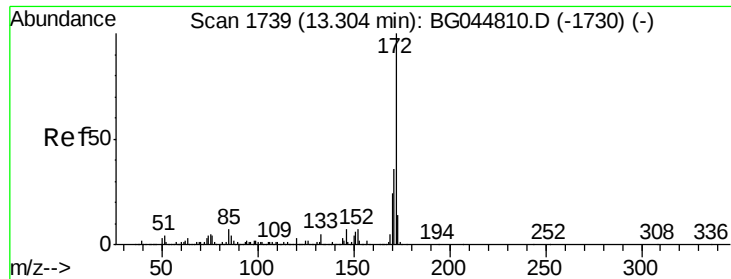


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

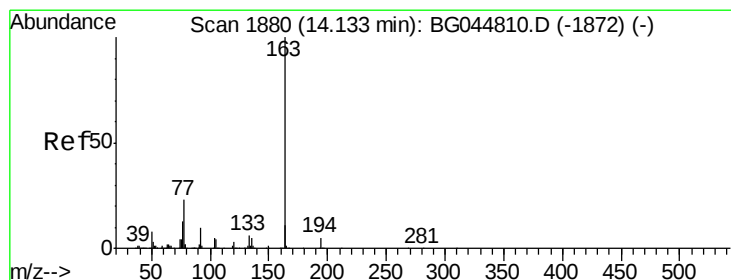
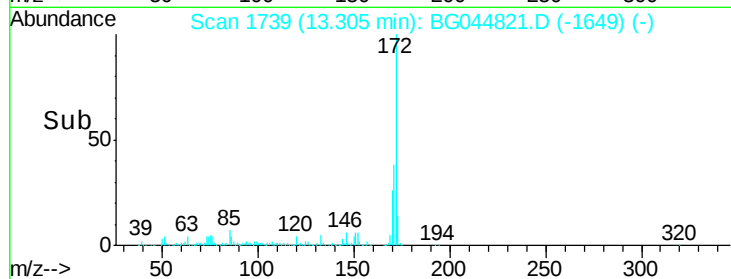
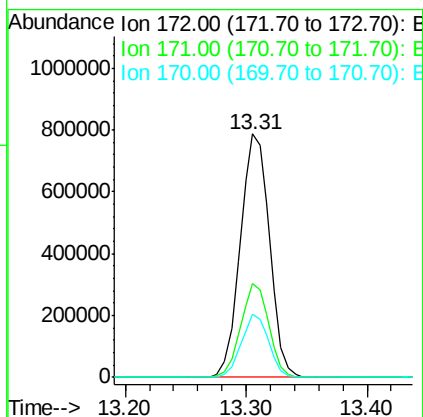
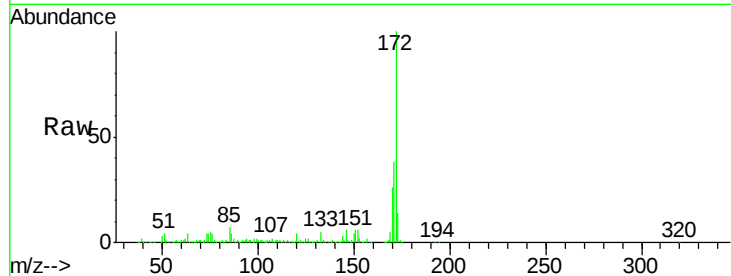




#45
2-Fluorobiphenyl
Concen: 65.16 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044821.D
Acq: 16 Mar 2020 20:17

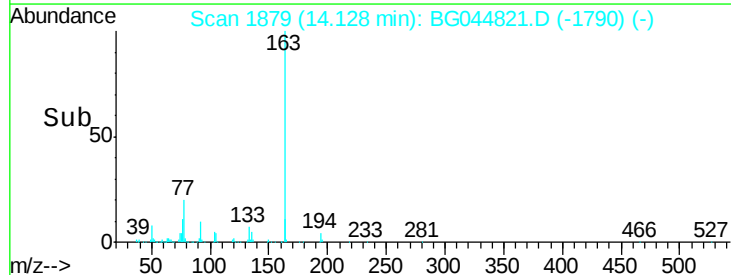
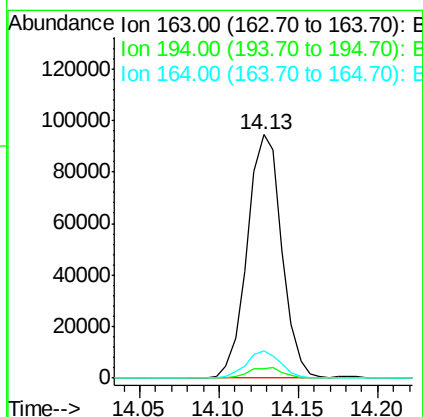
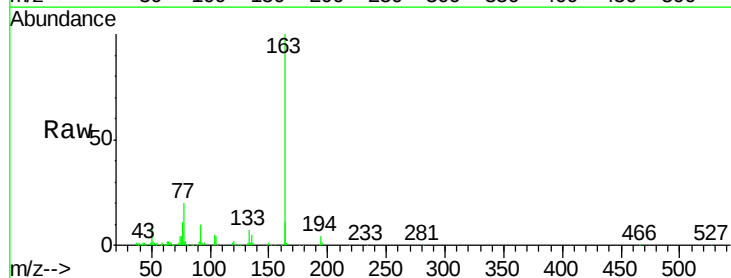
Instrument :
BNA_G
ClientSampleId :
Z3-S1

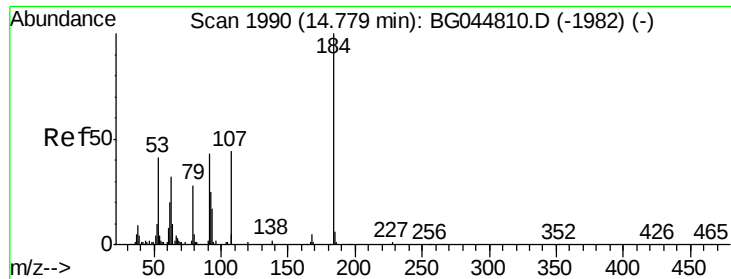
Tgt Ion:172 Resp: 1325518
Ion Ratio Lower Upper
172 100
171 38.3 28.7 43.1
170 25.7 19.0 28.6



#50
Dimethylphthalate
Concen: 6.16 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG044821.D
Acq: 16 Mar 2020 20:17

Tgt Ion:163 Resp: 143016
Ion Ratio Lower Upper
163 100
194 3.8 3.7 5.5
164 11.4 9.1 13.7

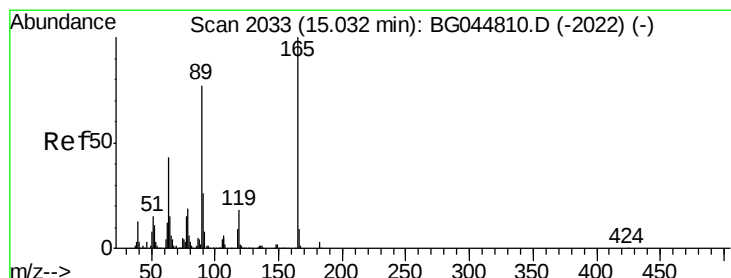
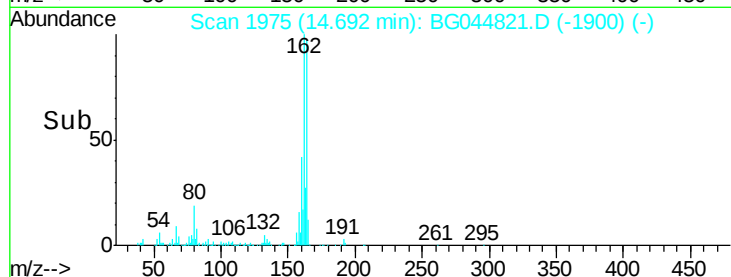
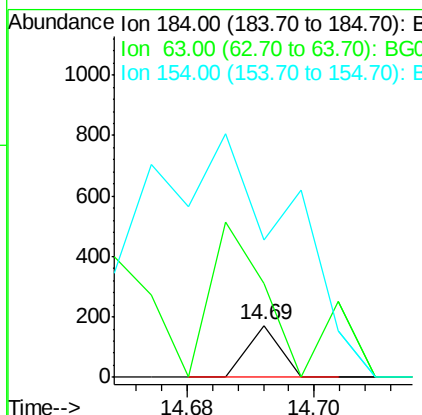
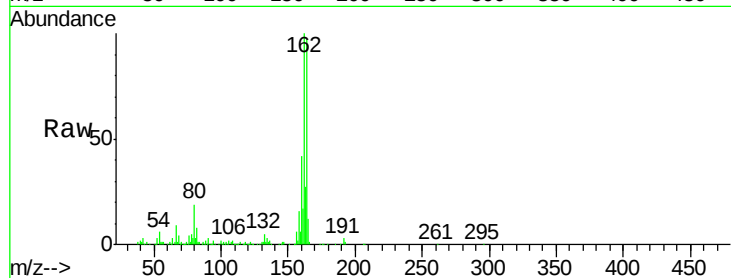




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.09 min
Lab File: BG044821.D
Acq: 16 Mar 2020 20:17

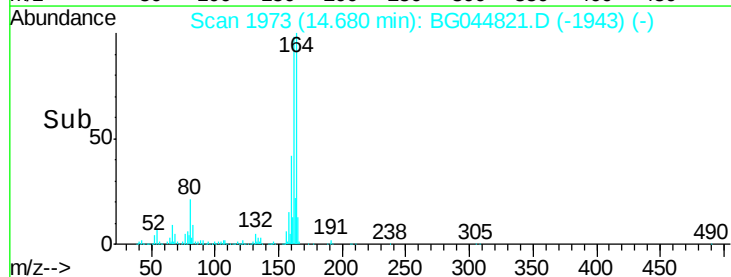
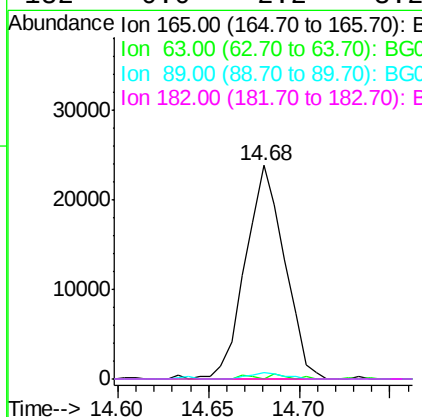
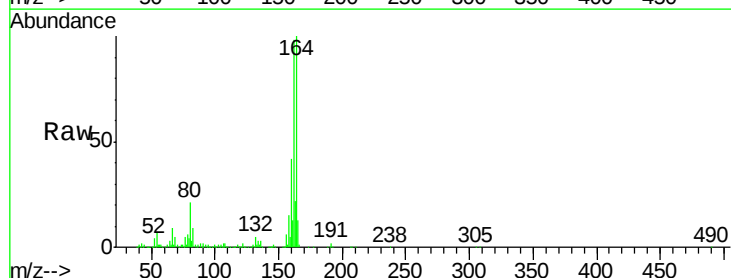
Instrument :
BNA_G
ClientSampleId :
Z3-S1

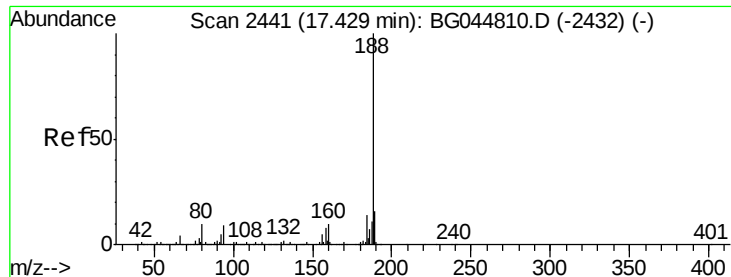
Tgt Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 181.4 45.5 68.3#
154 265.1 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 5.58 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.35 min
Lab File: BG044821.D
Acq: 16 Mar 2020 20:17

Tgt Ion:165 Resp: 35779
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 3.2 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

Instrument :

BNA_G

ClientSampleId :

Z3-S1

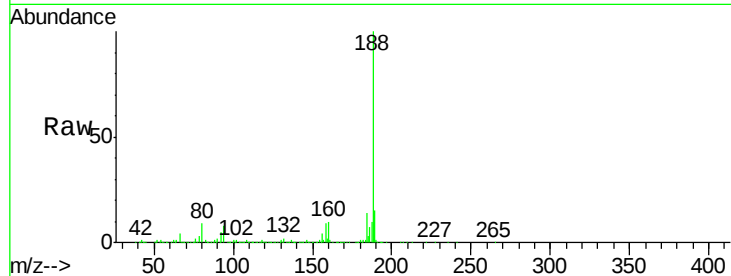
Tgt Ion:188 Resp: 610351

Ion Ratio Lower Upper

188 100

94 8.1 7.3 10.9

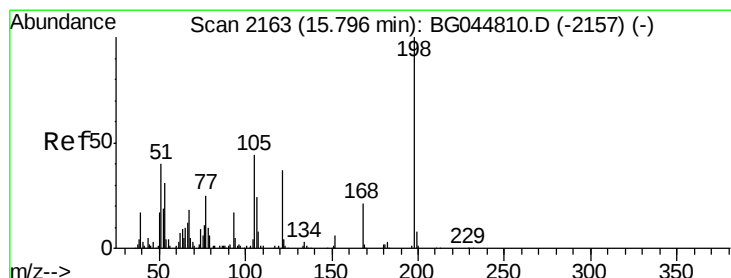
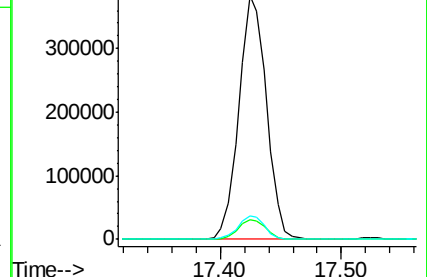
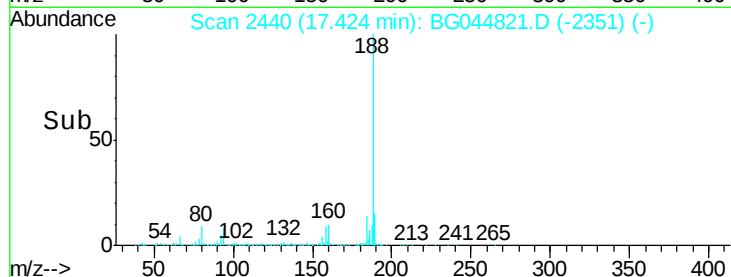
80 9.5 8.0 12.0



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: 7.74 ng

RT: 15.93 min Scan# 2186

Delta R.T. 0.14 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

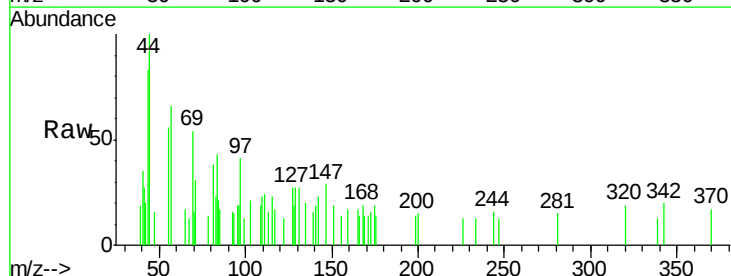
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

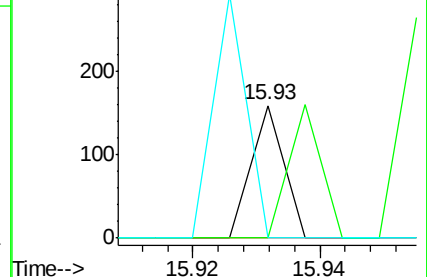
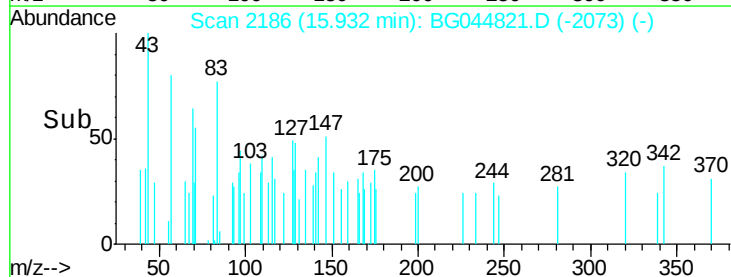
105 0.0 24.5 64.5#

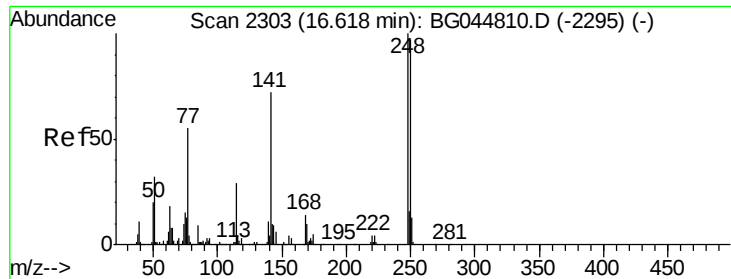


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

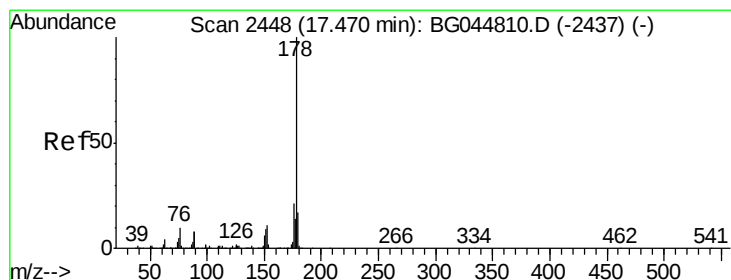
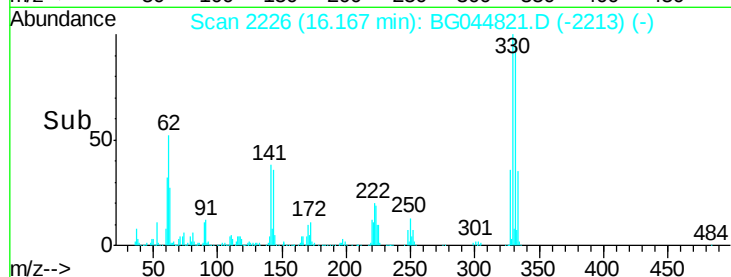
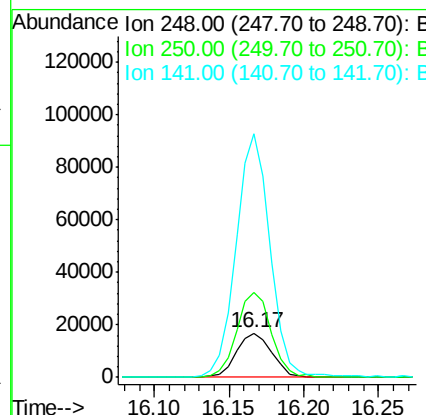
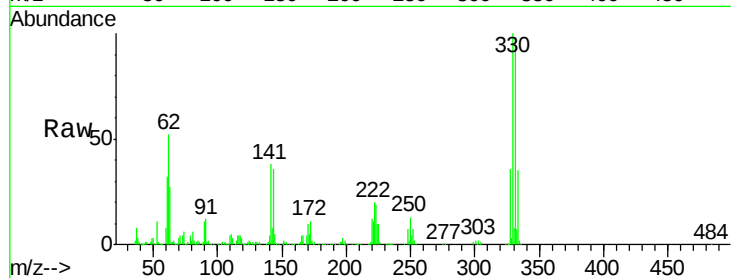




#67
 4-Bromophenyl-phenylether
 Concen: 3.65 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.45 min
 Lab File: BG044821.D
 Acq: 16 Mar 2020 20:17

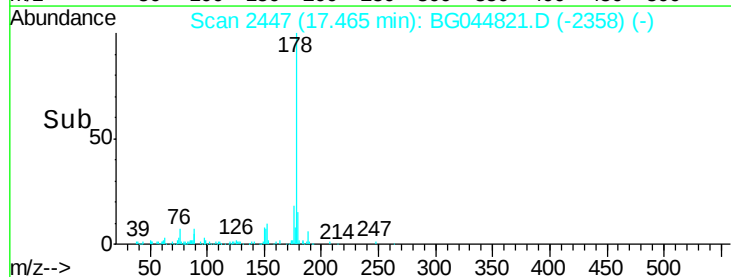
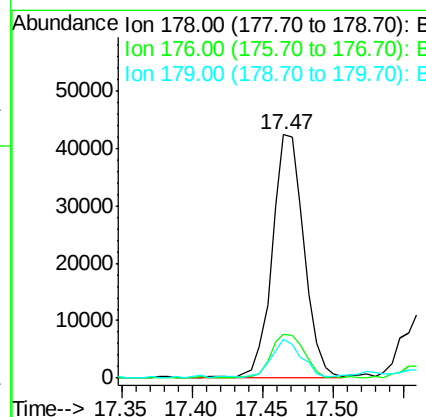
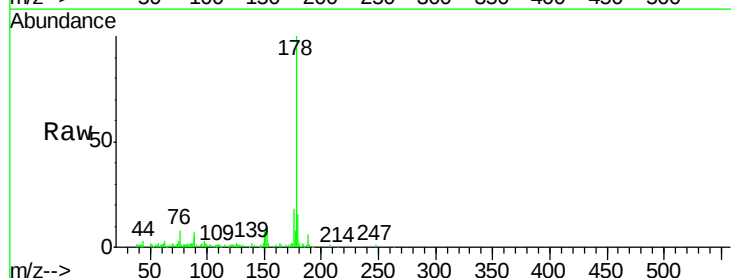
Instrument :
 BNA_G
 ClientSampleId :
 Z3-S1

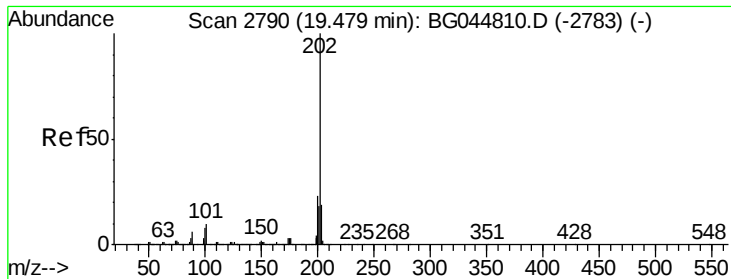
Tgt Ion:248 Resp: 27872
 Ion Ratio Lower Upper
 248 100
 250 191.1 77.9 116.9#
 141 548.0 57.5 86.3#



#71
 Phenanthrene
 Concen: 2.05 ng
 RT: 17.47 min Scan# 2447
 Delta R.T. -0.00 min
 Lab File: BG044821.D
 Acq: 16 Mar 2020 20:17

Tgt Ion:178 Resp: 66741
 Ion Ratio Lower Upper
 178 100
 176 17.8 16.6 24.8
 179 15.9 13.5 20.3





#75

Fluoranthene

Concen: 3.04 ng

RT: 19.47 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

Instrument :

BNA_G

ClientSampleId :

Z3-S1

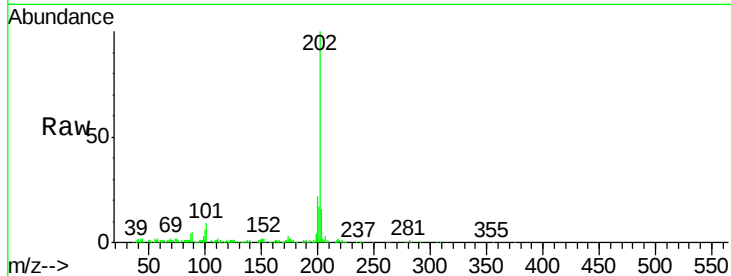
Tgt Ion:202 Resp: 118193

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.8

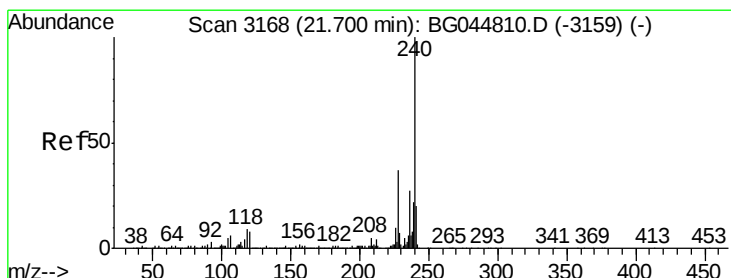
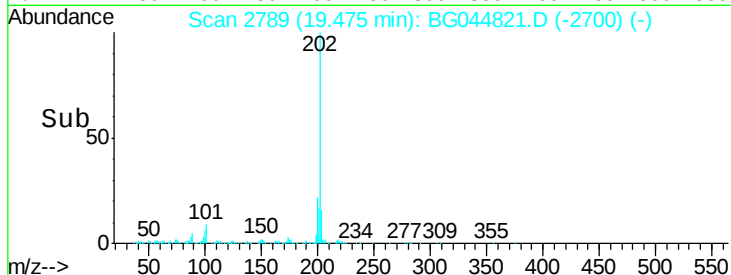
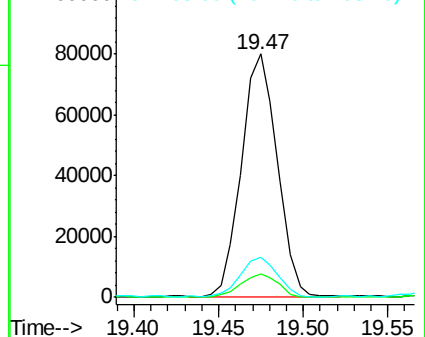
203 16.5 0.0 39.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

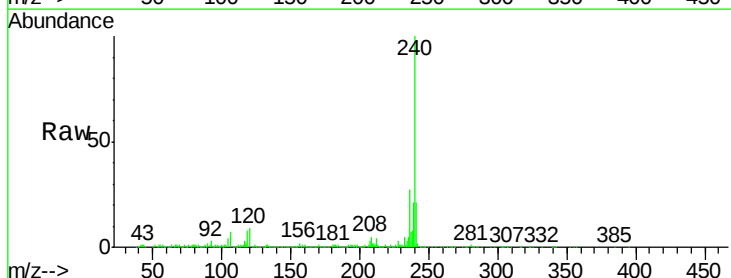
Tgt Ion:240 Resp: 500759

Ion Ratio Lower Upper

240 100

120 8.7 6.7 10.1

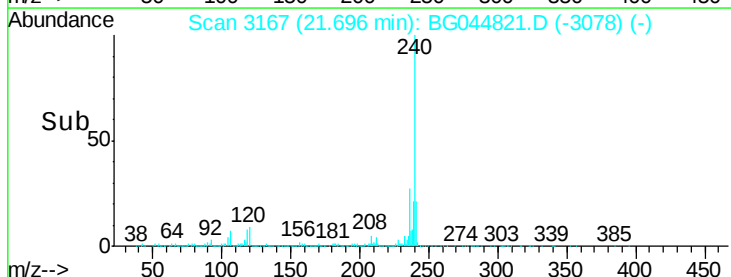
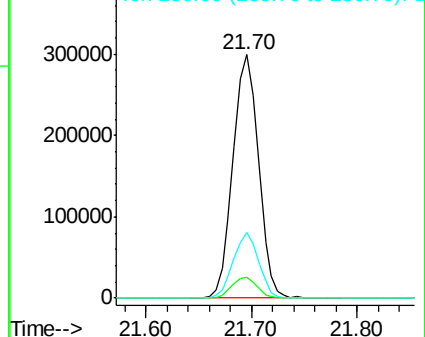
236 26.8 21.5 32.3

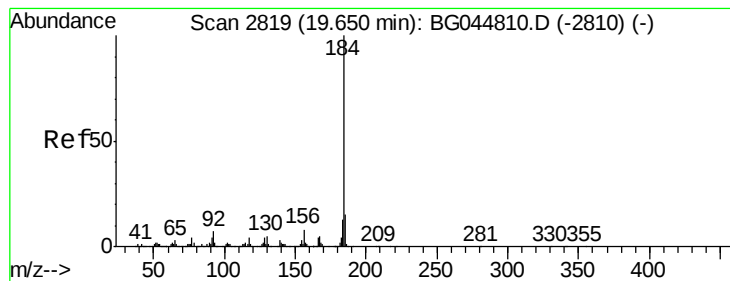


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.11 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.39 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

Instrument :

BNA_G

ClientSampleId :

Z3-S1

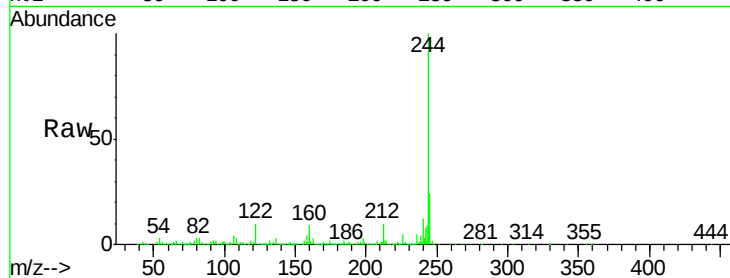
Tgt Ion:184 Resp: 34249

Ion Ratio Lower Upper

184 100

185 17.3 12.2 18.4

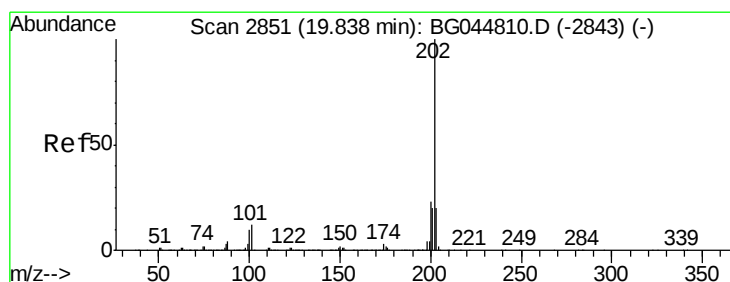
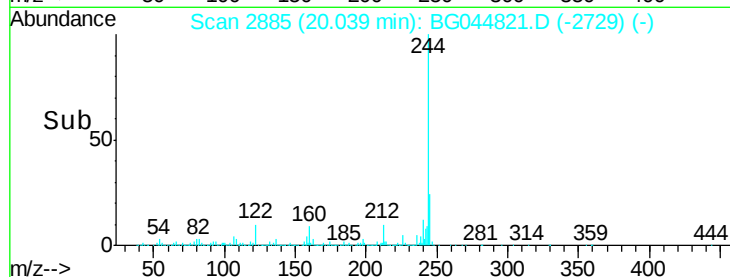
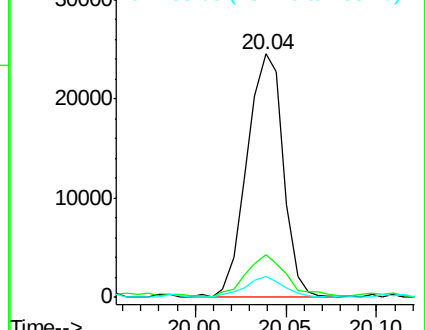
183 8.8 10.7 16.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 3.11 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

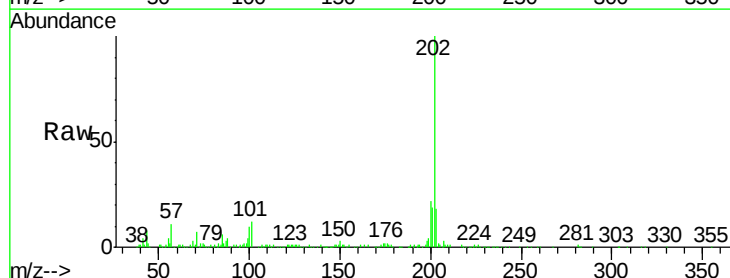
Tgt Ion:202 Resp: 114316

Ion Ratio Lower Upper

202 100

200 21.8 18.3 27.5

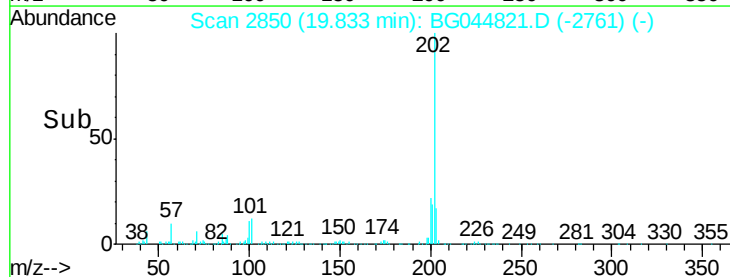
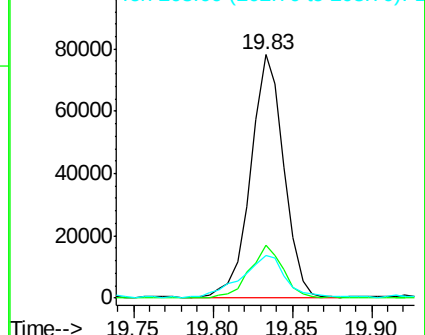
203 17.7 15.6 23.4

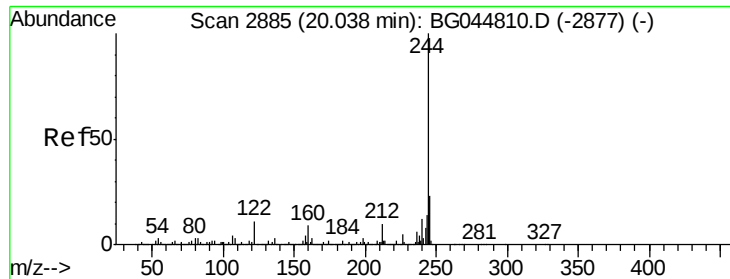


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.23 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

Instrument :

BNA_G

ClientSampleId :

Z3-S1

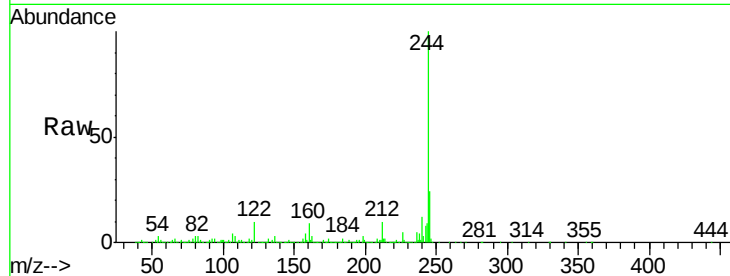
Tgt Ion:244 Resp: 1826531

Ion Ratio Lower Upper

244 100

212 9.6 7.7 11.5

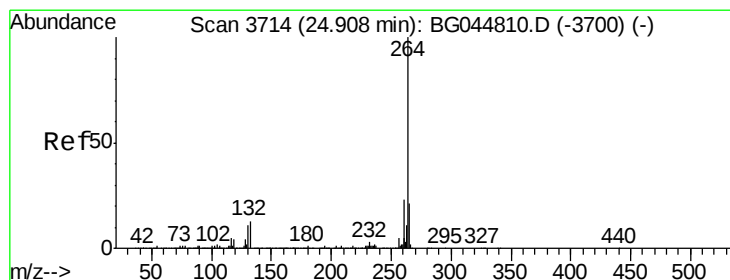
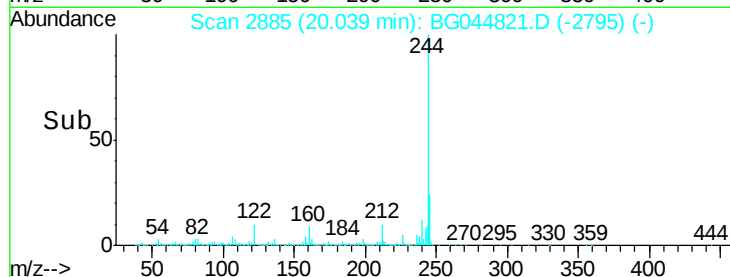
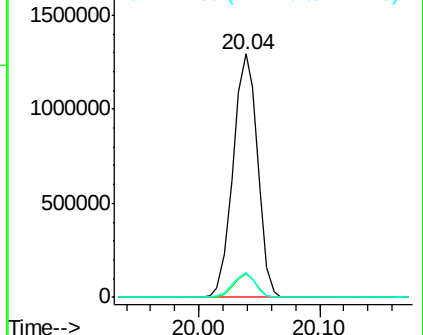
122 10.4 8.6 12.8



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: 20.00 ng

RT: 24.91 min Scan# 3714

Delta R.T. 0.00 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

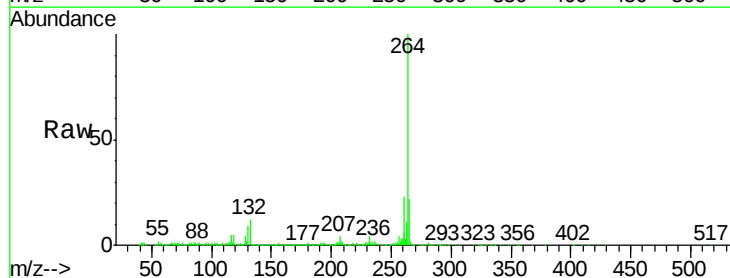
Tgt Ion:264 Resp: 577038

Ion Ratio Lower Upper

264 100

260 22.6 18.1 27.1

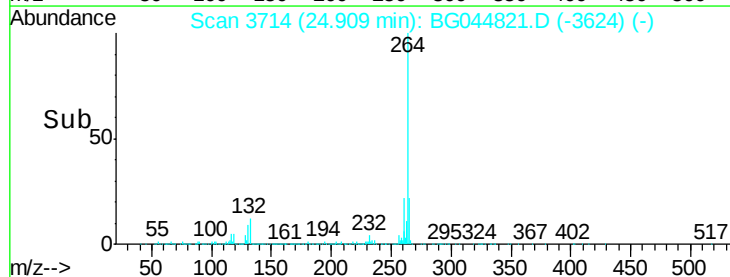
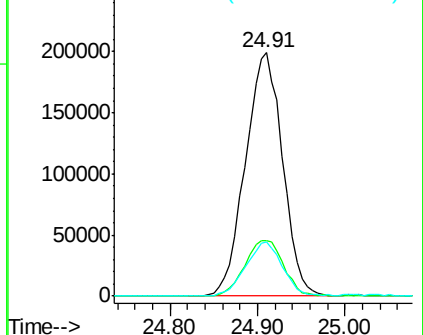
265 22.3 17.1 25.7

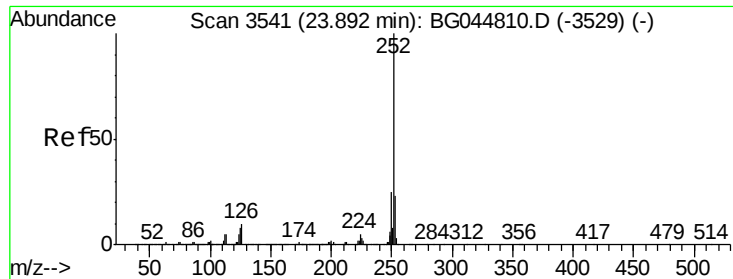


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.12 ng

RT: 23.89 min Scan# 3540

Delta R.T. -0.00 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

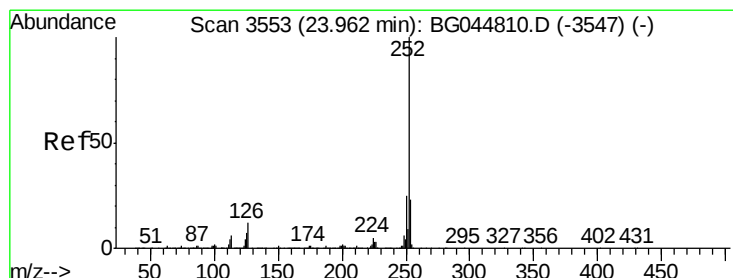
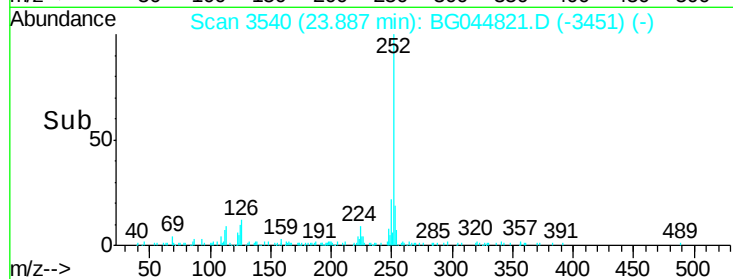
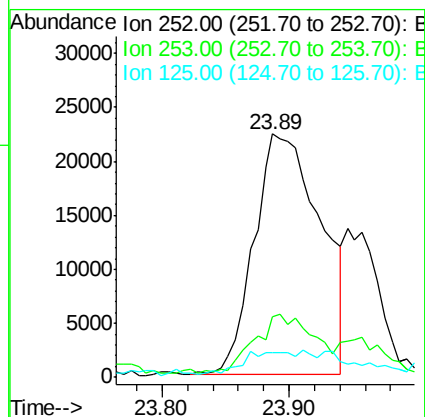
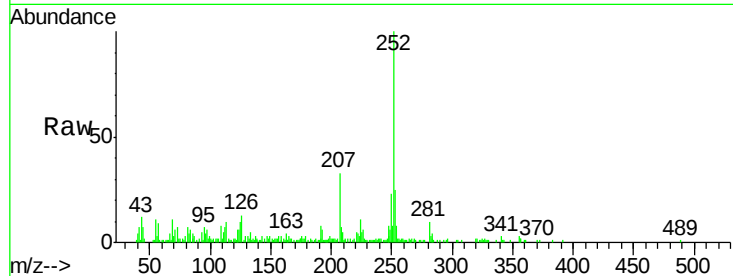
Instrument :

BNA_G

ClientSampleId :

Z3-S1

Tgt Ion:	252	Resp:	80926
Ion Ratio		Lower	Upper
252	100		
253	25.0	18.1	27.1
125	10.0	6.6	9.8#



#89

Benzo(k)fluoranthene

Concen: 2.24 ng

RT: 23.89 min Scan# 3540

Delta R.T. -0.08 min

Lab File: BG044821.D

Acq: 16 Mar 2020 20:17

Tgt Ion:	252	Resp:	80926
Ion Ratio		Lower	Upper
252	100		
253	25.0	18.5	27.7
125	10.0	6.2	9.2#

