

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040732.D
 Acq On : 3 May 2019 19:46
 Operator : JU/SJ
 Sample : K2667-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1-A

Quant Time: May 03 23:18:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	46014	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	205797	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	155639	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	410541	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	407773	20.00	ng	-0.02
87) Perylene-d12	25.16	264	432220	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.68	112	342854	131.35	ng	0.00
7) Phenol-d6	7.28	99	529670	131.79	ng	-0.01
23) Nitrobenzene-d5	9.32	82	365695	82.11	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	285879	133.63	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	834161	77.40	ng	-0.02
79) Terphenyl-d14	20.12	244	1463088	79.49	ng	-0.02

Target Compounds

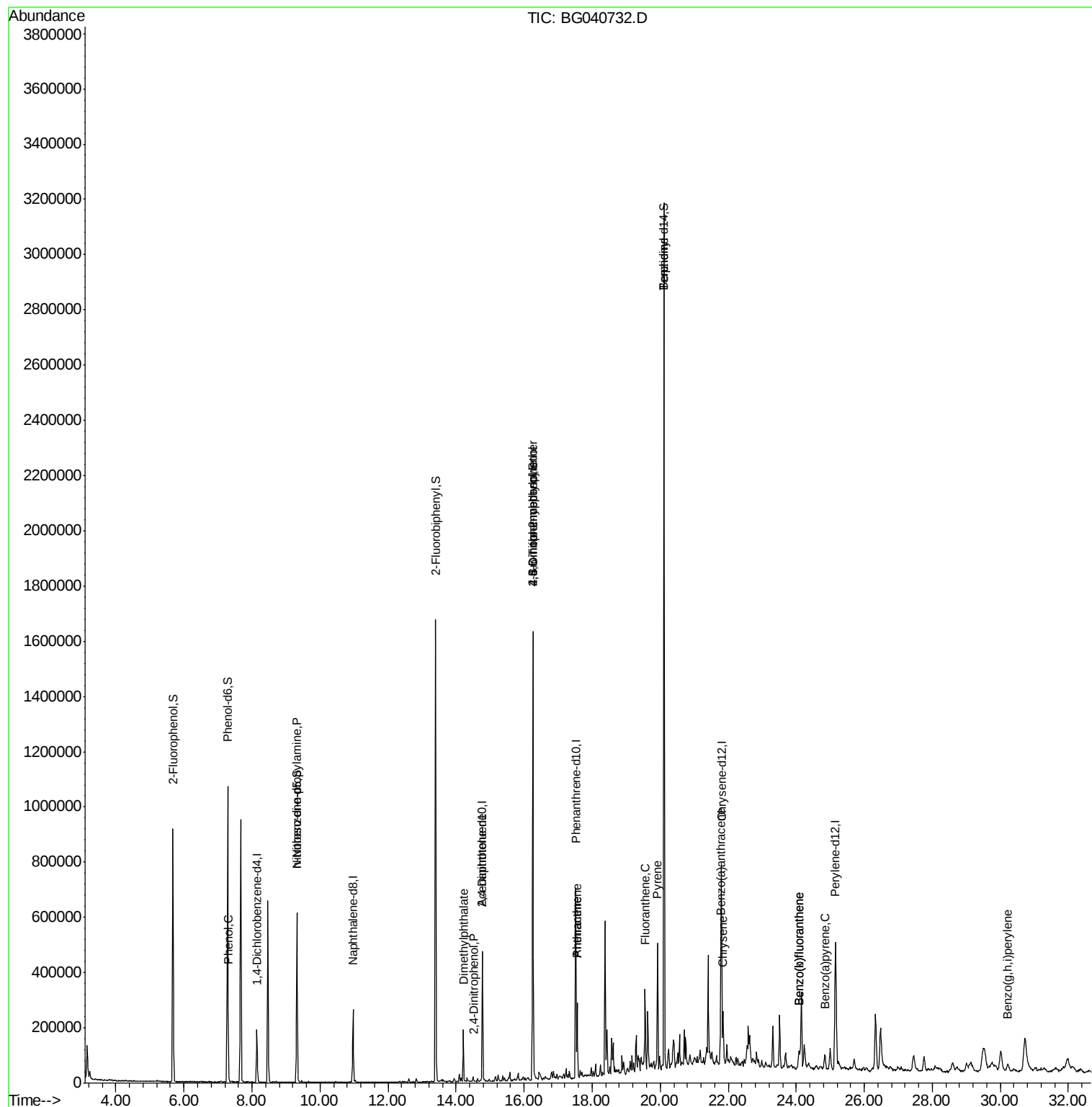
	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.29	77	1295	Below Cal		# 6
10) Phenol	7.31	94	8883	2.056	ng	# 65
19) n-Nitroso-di-n-propylamine	9.32	70	52414	14.487	ng	# 70
50) Dimethylphthalate	14.22	163	105396	8.094	ng	99
54) 2,4-Dinitrophenol	14.52	184	78	7.064	ng	# 57
57) 2,4-Dinitrotoluene	14.77	165	20644	5.978	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.26	198	862	7.464	ng	83
67) 4-Bromophenyl-phenylether	16.26	248	21575	4.218	ng	# 1
71) Phenanthrene	17.56	178	156742	7.088	ng	97
72) Anthracene	17.56	178	156742	7.052	ng	97
75) Fluoranthene	19.56	202	163356	5.928	ng	99
77) Benzidine	20.12	184	27449	2.458	ng	# 91
78) Pyrene	19.92	202	286647	11.216	ng	100
81) Benzo(a)anthracene	21.78	228	117306	4.552	ng	97
83) Chrysene	21.85	228	131944	5.383	ng	96
88) Benzo(b)fluoranthene	24.08	252	100697	3.812	ng	# 95
89) Benzo(k)fluoranthene	24.08	252	100697	4.082	ng	# 95
90) Benzo(a)pyrene	24.84	252	60894	2.436	ng	97
92) Benzo(a,h,i)perylene	30.22	276	54227	2.154	ng	99

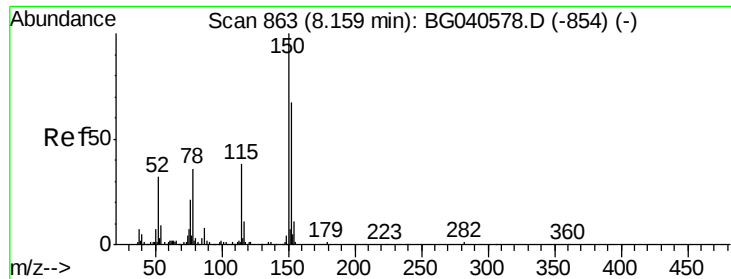
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
Data File : BG040732.D
Acq On : 3 May 2019 19:46
Operator : JU/SJ
Sample : K2667-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1-A

Quant Time: May 03 23:18:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration



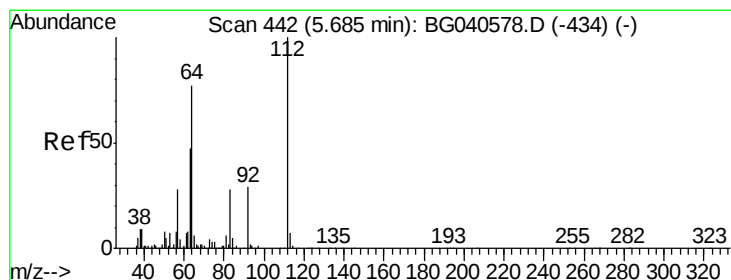
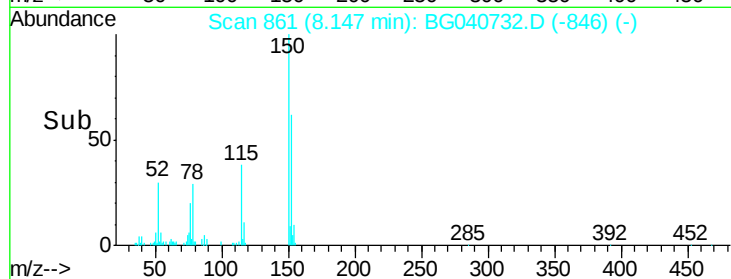
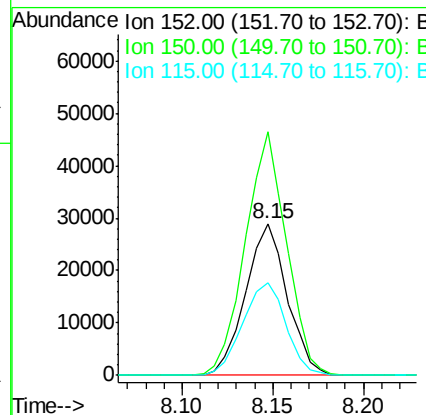
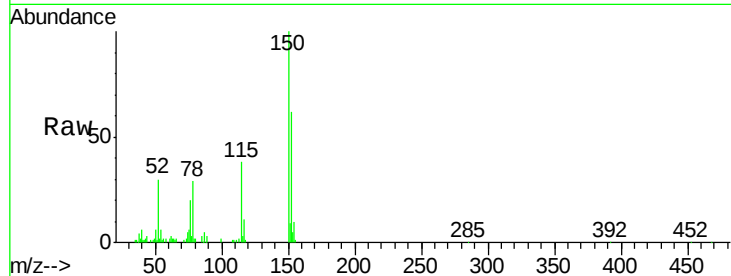


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Instrument :
BNA_G
ClientSampleId :
SP-1-A

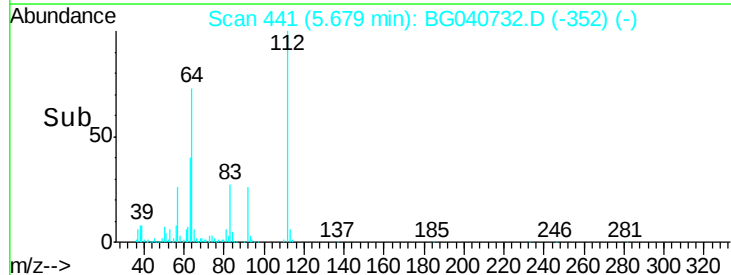
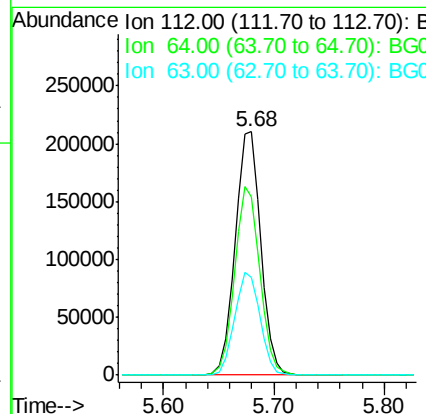
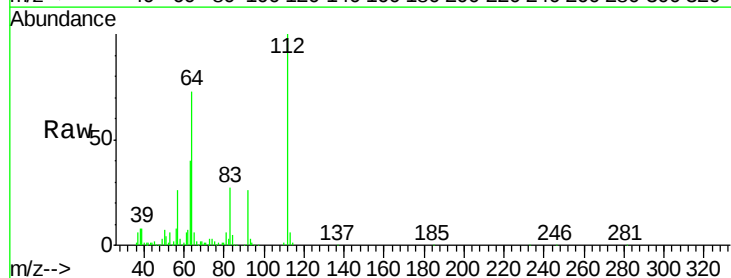
Tot Ion:152 Resp: 46014
Ion Ratio Lower Upper
152 100
150 160.5 120.2 180.2
115 61.0 46.2 69.2

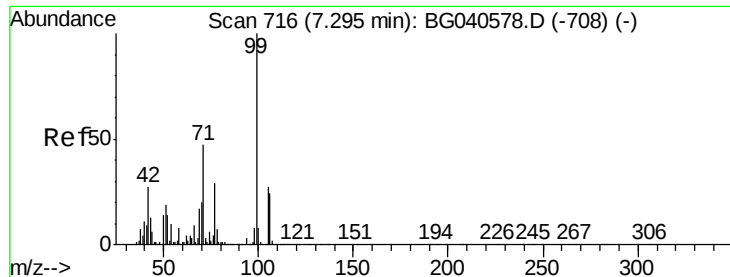


#5

2-Fluorophenol
Concen: 131.345 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion:112 Resp: 342854
Ion Ratio Lower Upper
112 100
64 73.1 61.4 92.0
63 40.4 37.8 56.6





#7

Phenol-d6

Concen: 131.786 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Instrument :

BNA_G

ClientSampleId :

SP-1-A

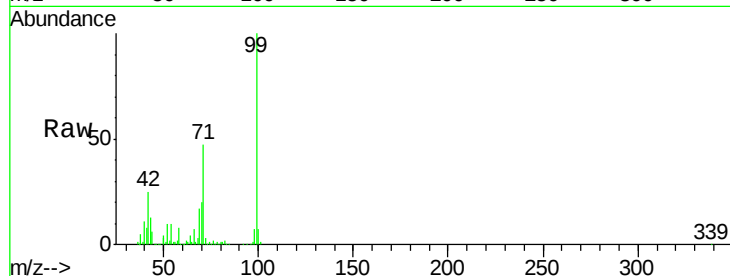
Tot Ion: 99 Resp: 529670

Ion Ratio Lower Upper

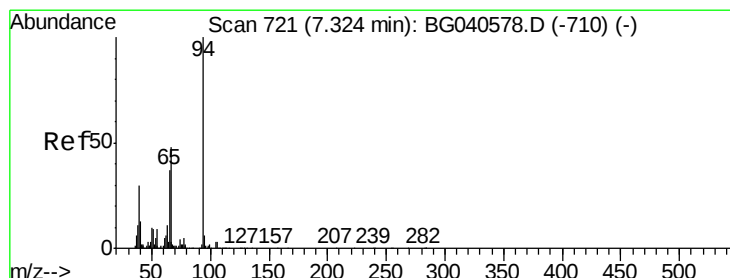
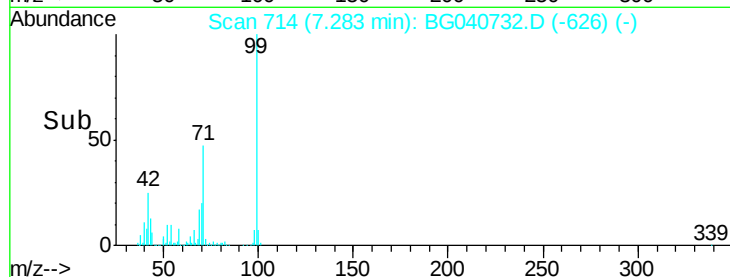
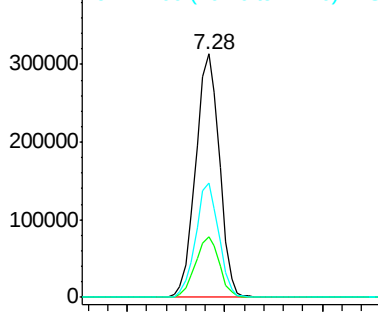
99 100

42 24.8 21.8 32.8

71 47.0 38.6 57.8



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: 2.056 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

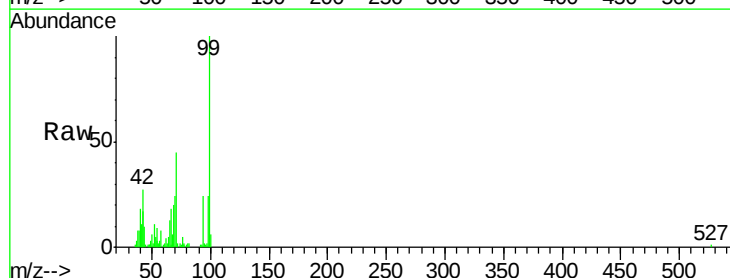
Tgt Ion: 94 Resp: 8883

Ion Ratio Lower Upper

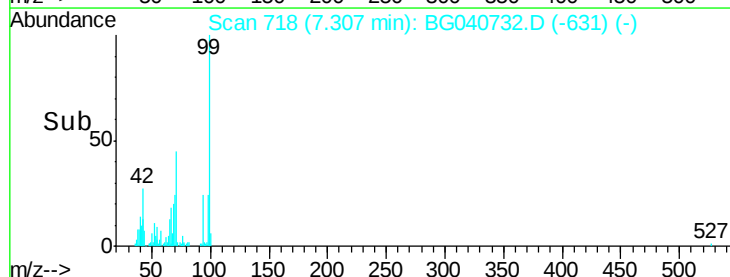
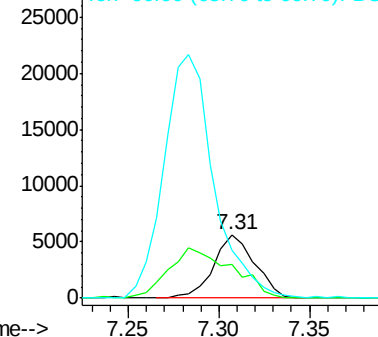
94 100

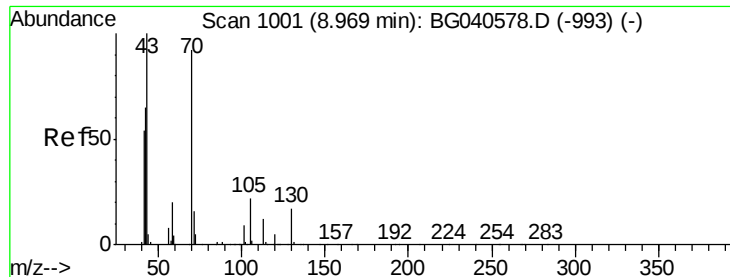
65 53.1 17.0 57.0

66 76.3 28.6 68.6#



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

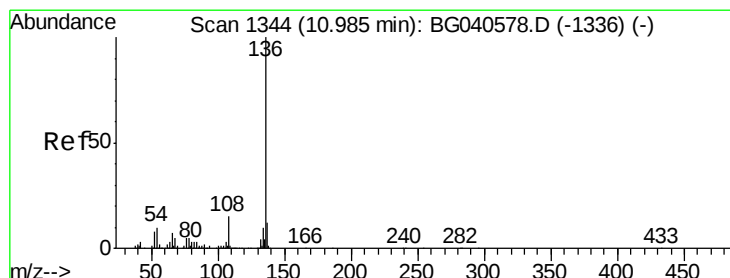
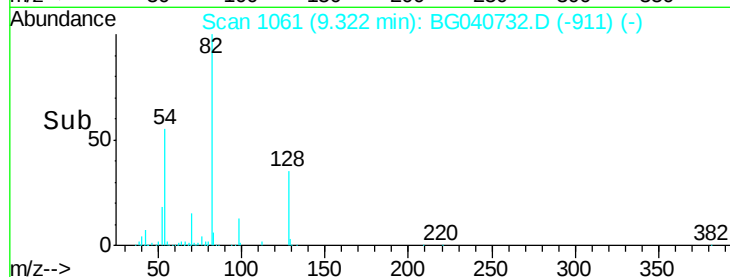
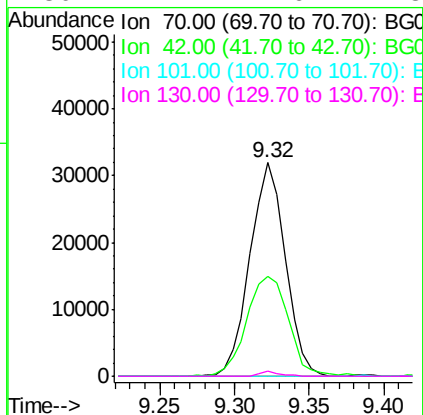
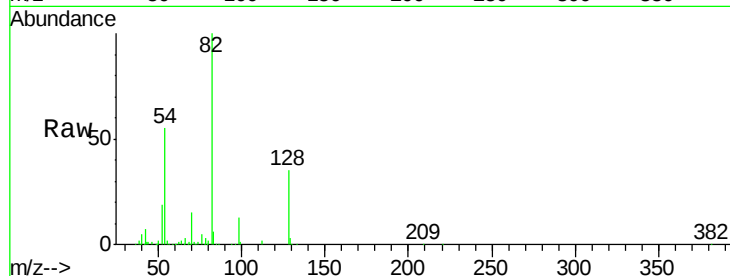




#19
n-Nitroso-di-n-propylamine
Concen: 14.487 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

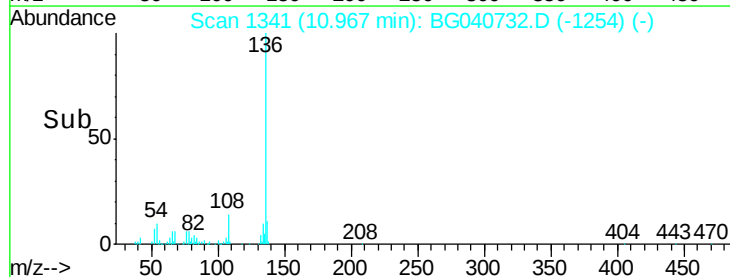
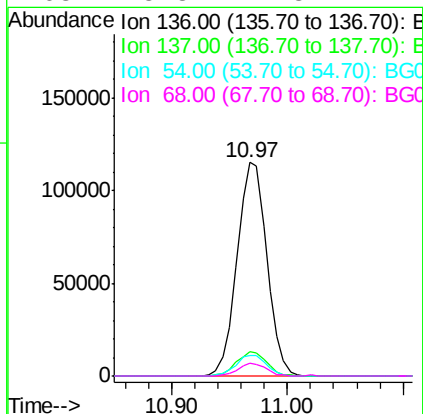
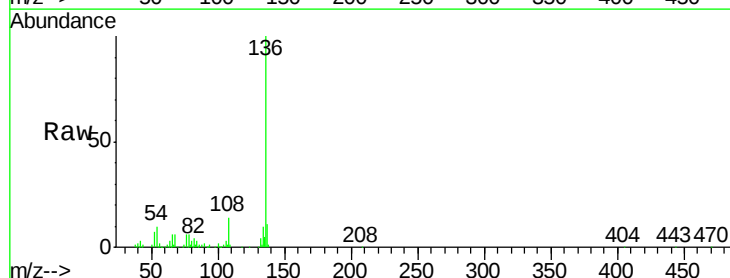
Instrument :
BNA_G
ClientSampleId :
SP-1-A

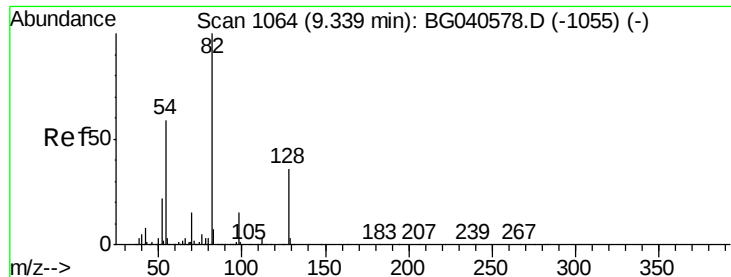
Tot Ion: 70 Resp: 52414
Ion Ratio Lower Upper
70 100
42 47.0 57.1 85.7#
101 0.0 7.8 11.8#
130 2.1 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion: 136 Resp: 205797
Ion Ratio Lower Upper
136 100
137 11.5 9.7 14.5
54 9.6 8.6 12.8
68 5.8 4.8 7.2

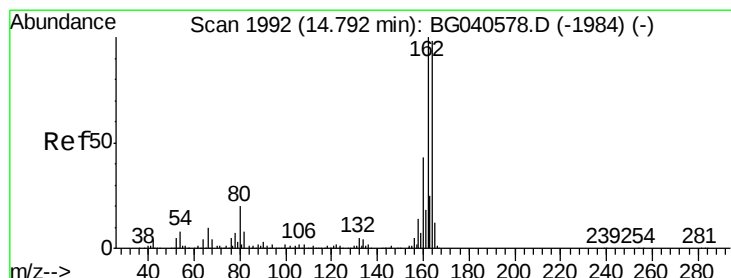
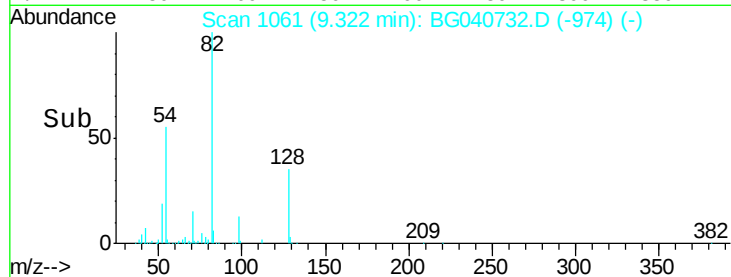
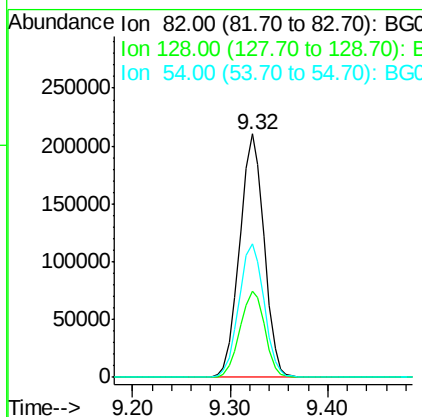
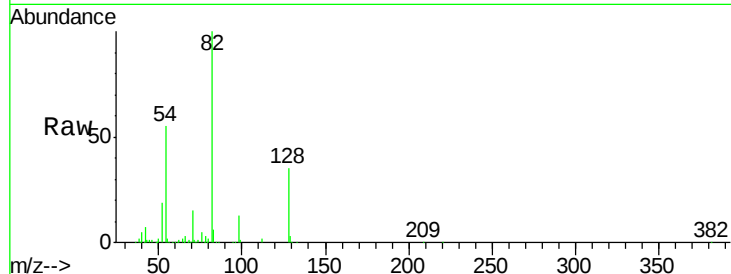




#23
 Nitrobenzene-d5
 Concen: 82.107 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG040732.D
 Acq: 3 May 2019 19:46

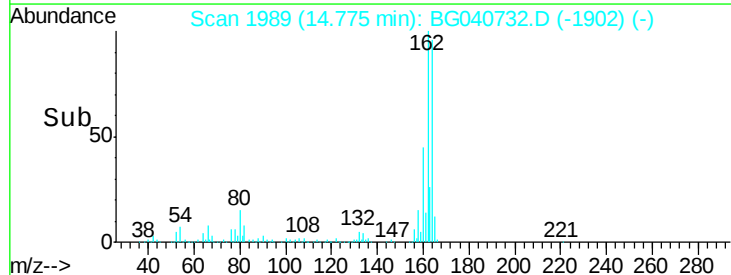
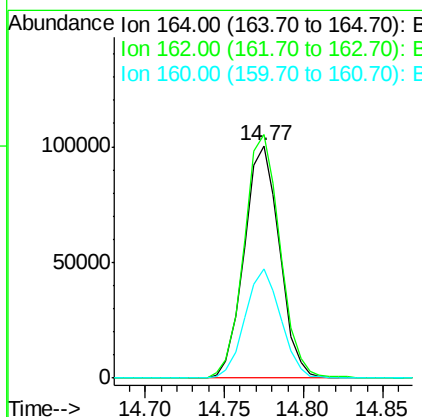
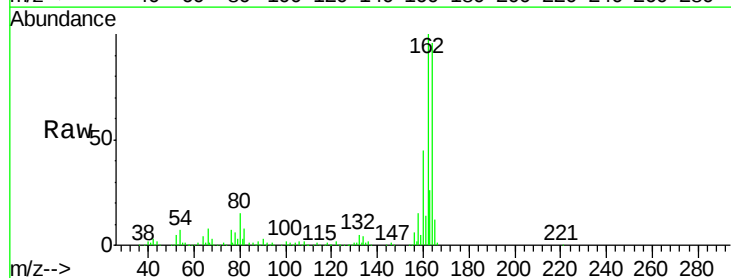
Instrument :
 BNA_G
 ClientSampled :
 SP-1-A

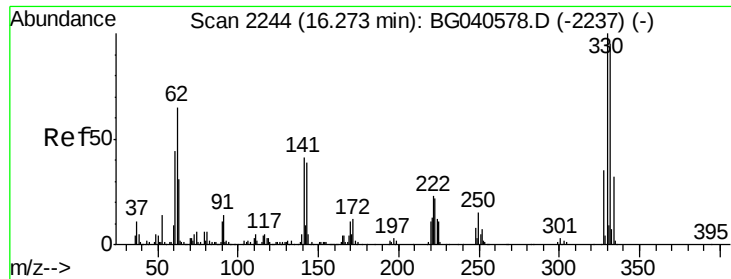
Tot Ion	82	Resp	365695
Ion	Ratio	Lower	Upper
82	100		
128	35.4	28.9	43.3
54	55.1	47.2	70.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.02 min
 Lab File: BG040732.D
 Acq: 3 May 2019 19:46

Tgt Ion	164	Resp	155639
Ion	Ratio	Lower	Upper
164	100		
162	104.6	81.9	122.9
160	46.9	35.4	53.2

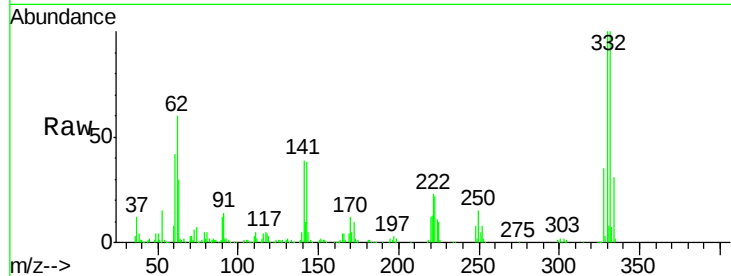




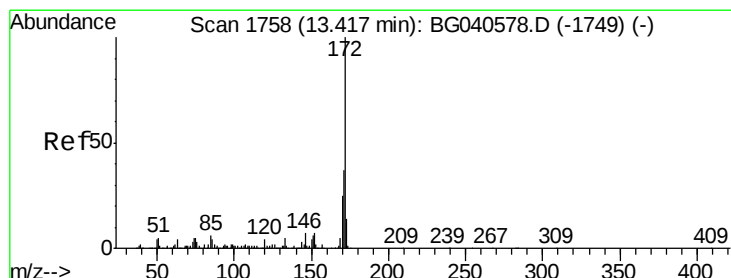
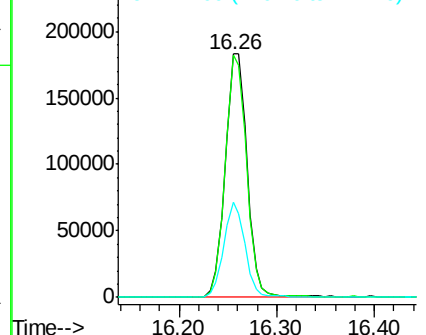
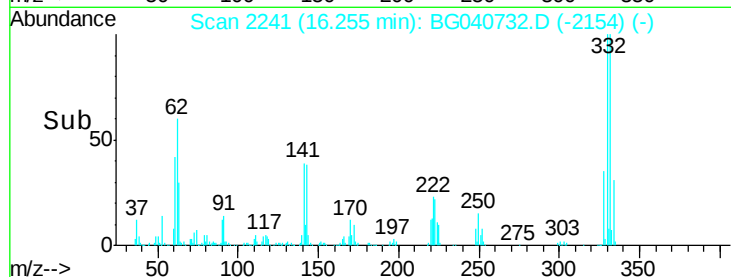
#42
2,4,6-Tribromophenol
Concen: 133.632 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Instrument :
BNA_G
ClientSampled :
SP-1-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.9	113.9
141	37.9	32.4	48.6

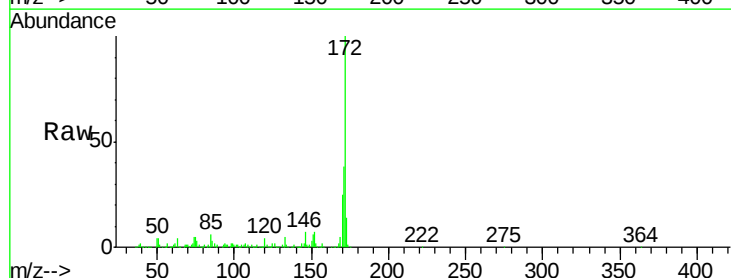


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

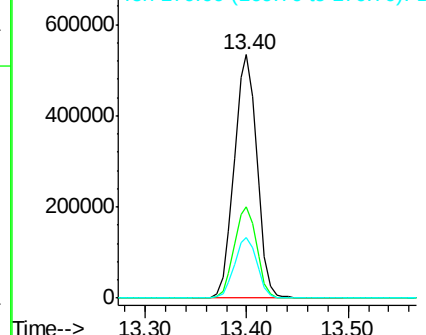
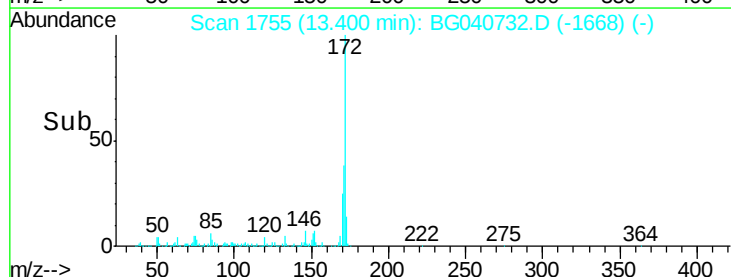


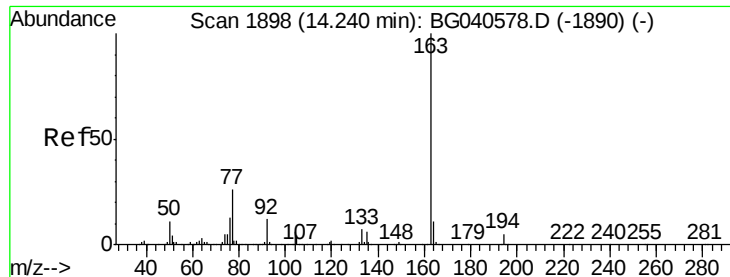
#45
2-Fluorobiphenyl
Concen: 77.403 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.4	44.2
170	24.9	19.9	29.9



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.094 ng

RT: 14.22 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Instrument :

BNA_G

ClientSampleId :

SP-1-A

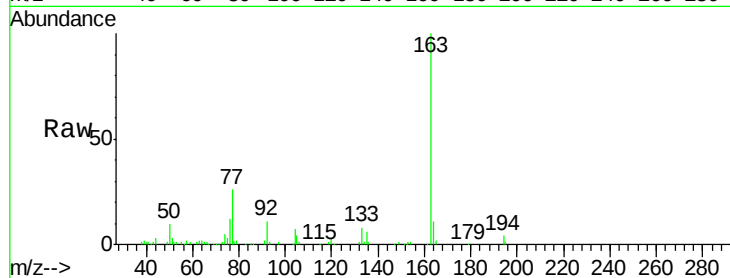
Tot Ion:163 Resp: 105396

Ion Ratio Lower Upper

163 100

194 4.1 3.8 5.8

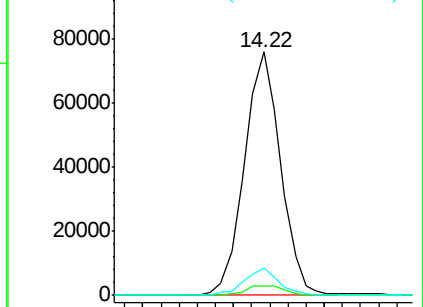
164 11.2 8.8 13.2



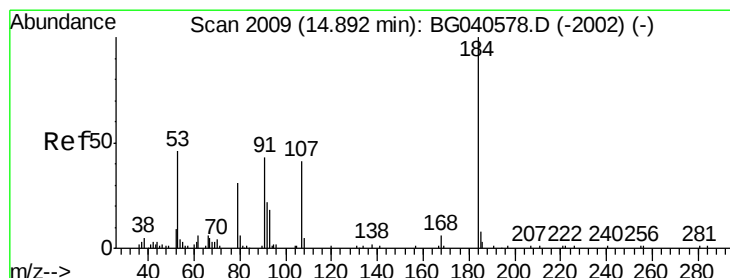
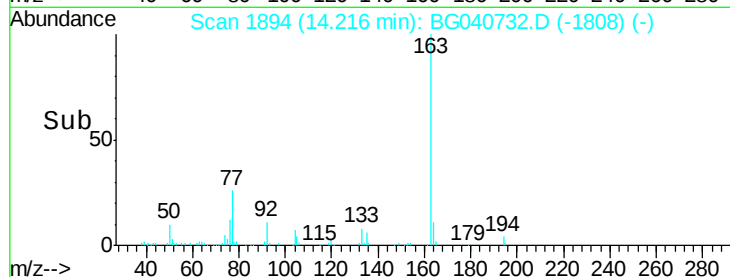
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->



#54

2,4-Dinitrophenol

Concen: 7.064 ng

RT: 14.52 min Scan# 1945

Delta R.T. -0.37 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

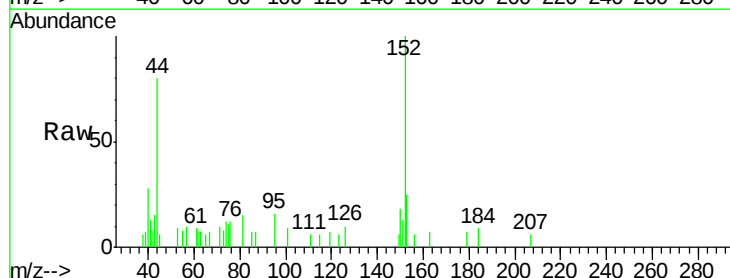
Tgt Ion:184 Resp: 78

Ion Ratio Lower Upper

184 100

63 76.8 51.8 77.6

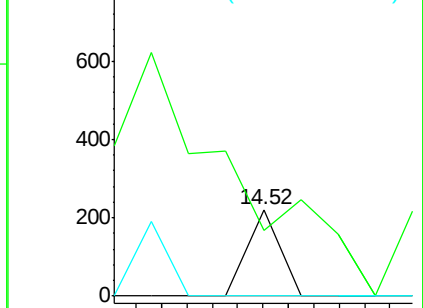
154 0.0 43.6 65.4#



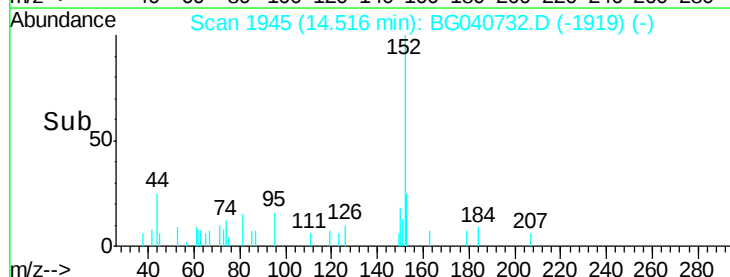
Abundance Ion 184.00 (183.70 to 184.70): E

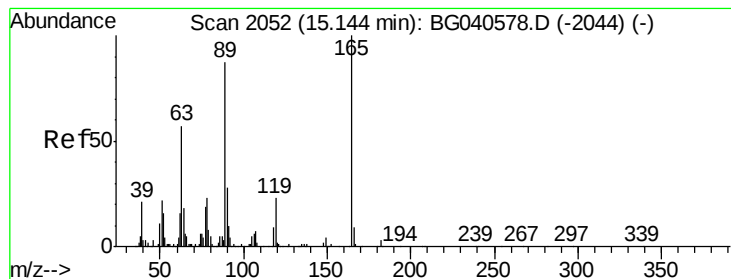
Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E



Time-->





#57

2,4-Dinitrotoluene

Concen: 5.978 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Instrument :

BNA_G

ClientSampleId :

SP-1-A

Tot Ion:165 Resp: 20644

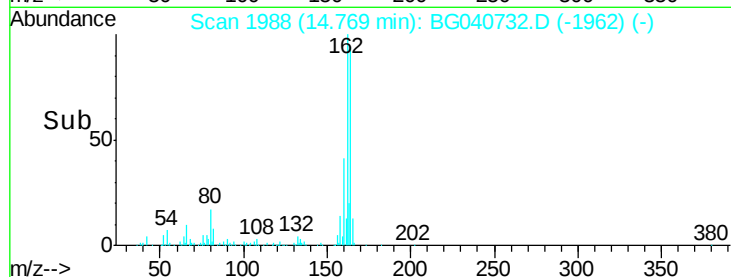
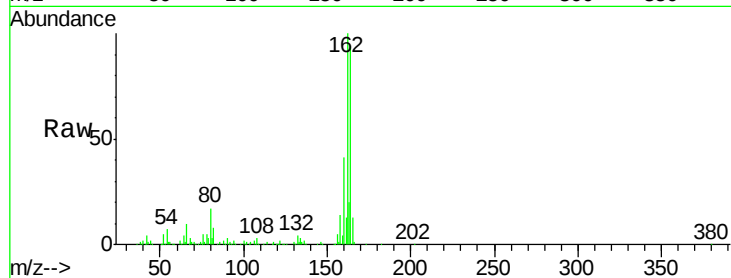
Ion Ratio Lower Upper

165 100

63 1.7 45.8 68.8#

89 2.0 69.4 104.2#

182 1.6 2.2 3.4#

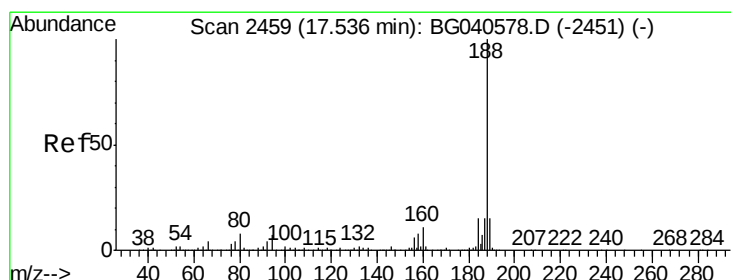
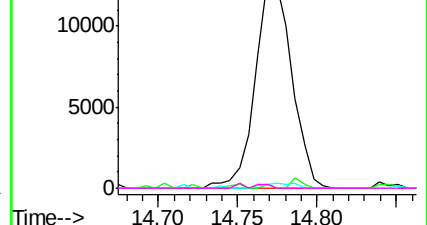


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

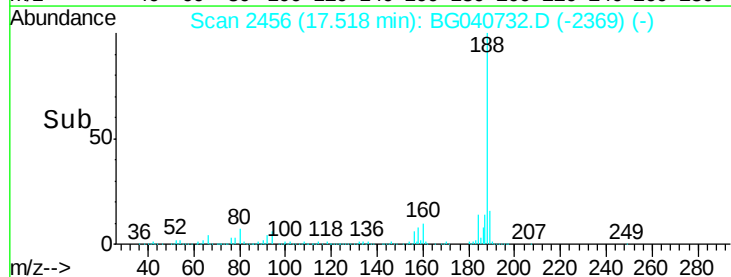
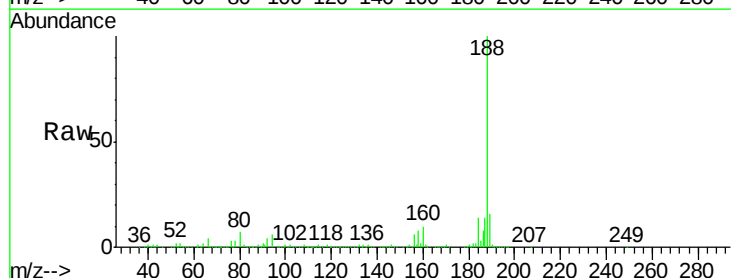
Tgt Ion:188 Resp: 410541

Ion Ratio Lower Upper

188 100

94 6.0 5.6 8.4

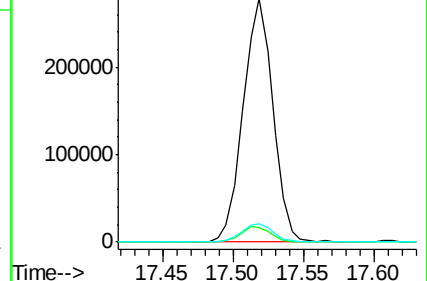
80 7.3 6.4 9.6

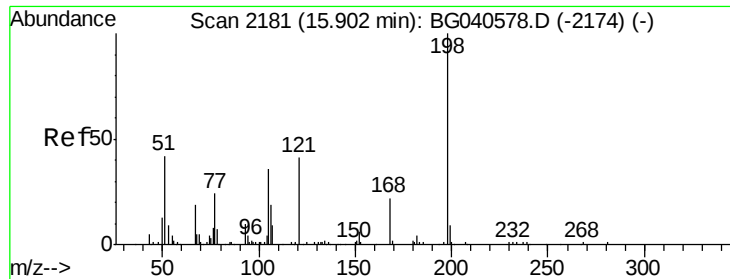


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.464 ng

RT: 16.26 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Instrument :

BNA_G

ClientSampleId :

SP-1-A

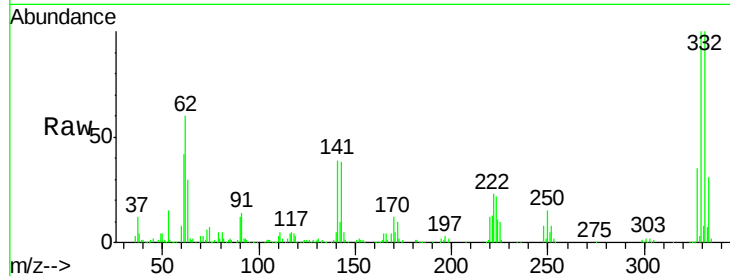
Tot Ion:198 Resp: 862

Ion Ratio Lower Upper

198 100

51 40.6 35.9 75.9

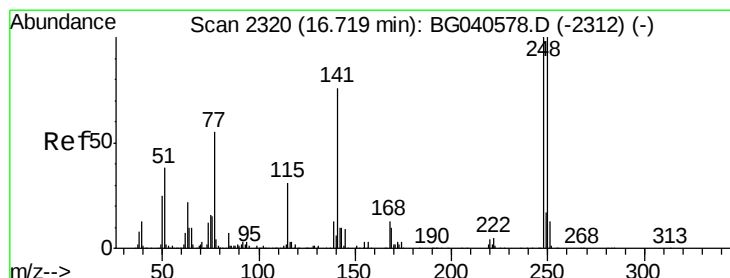
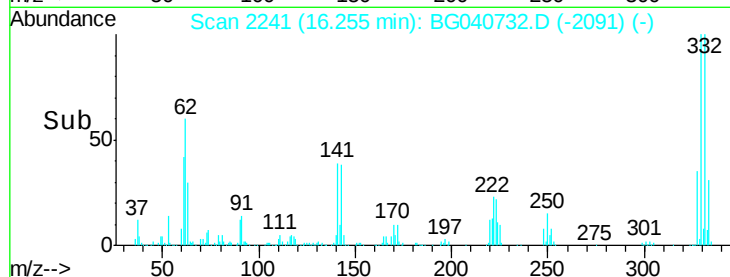
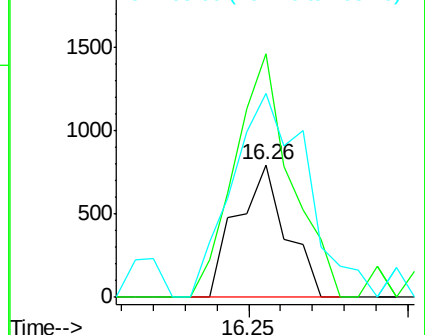
105 33.9 21.2 61.2



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: 4.218 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

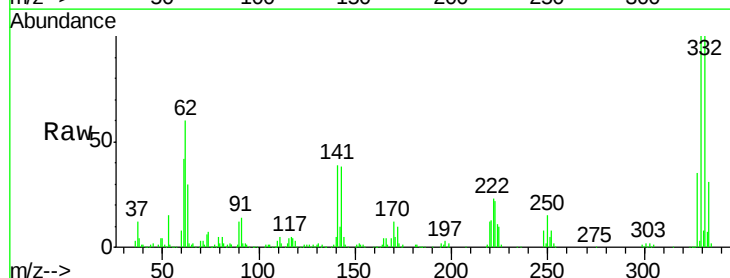
Tgt Ion:248 Resp: 21575

Ion Ratio Lower Upper

248 100

250 183.2 79.8 119.6#

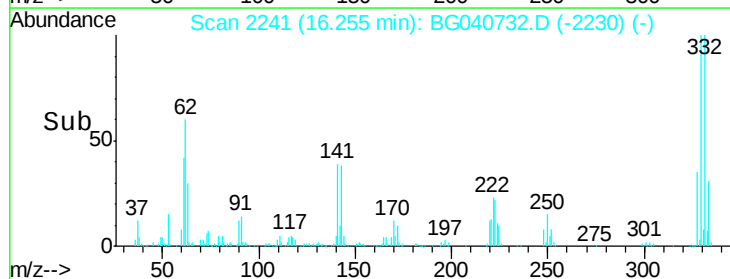
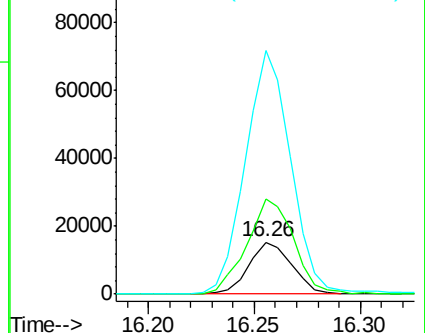
141 466.7 60.8 91.2#

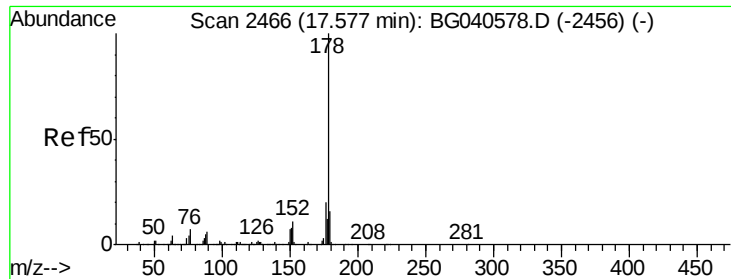


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 7.088 ng

RT: 17.56 min Scan# 2463

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Instrument :

BNA_G

ClientSampled :

SP-1-A

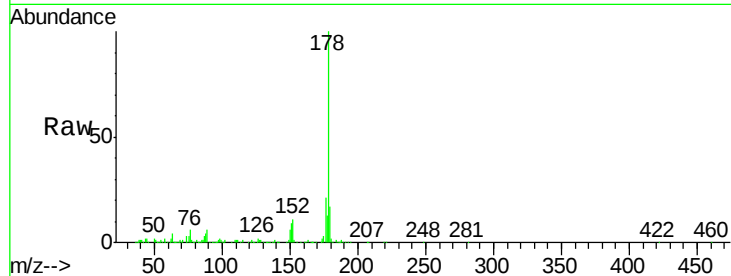
Tot Ion:178 Resp: 156742

Ion Ratio Lower Upper

178 100

176 21.4 15.8 23.6

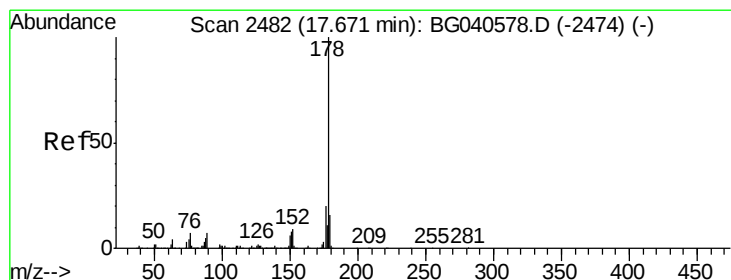
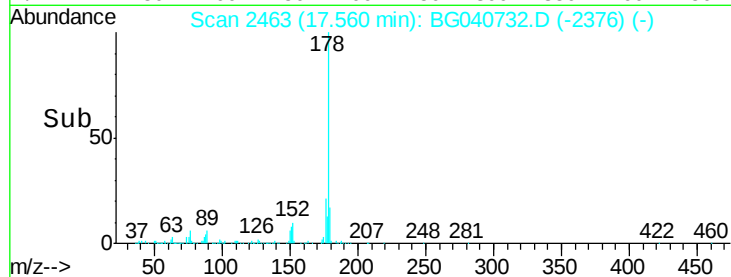
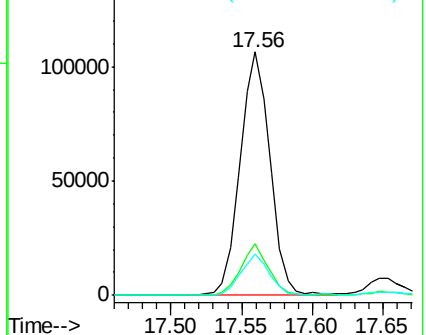
179 17.1 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 7.052 ng

RT: 17.56 min Scan# 2463

Delta R.T. -0.11 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

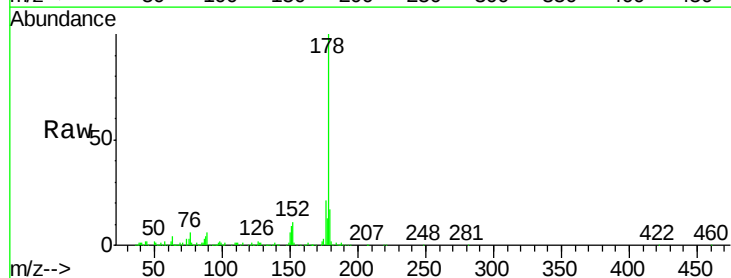
Tgt Ion:178 Resp: 156742

Ion Ratio Lower Upper

178 100

176 21.4 15.6 23.4

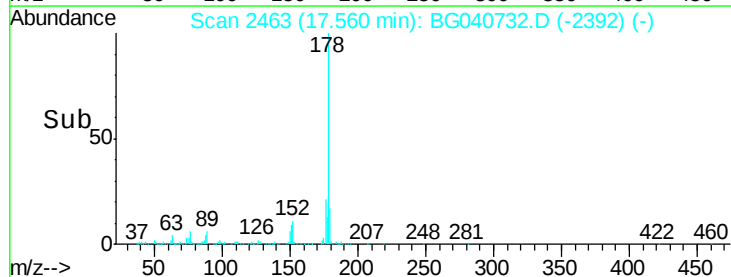
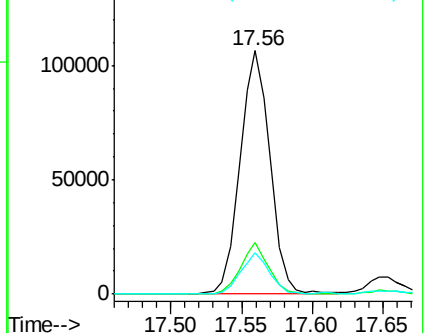
179 17.1 12.9 19.3

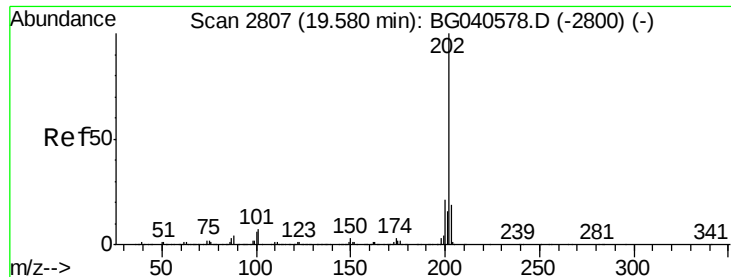


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.928 ng

RT: 19.56 min Scan# 2803

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Instrument :

BNA_G

ClientSampleId :

SP-1-A

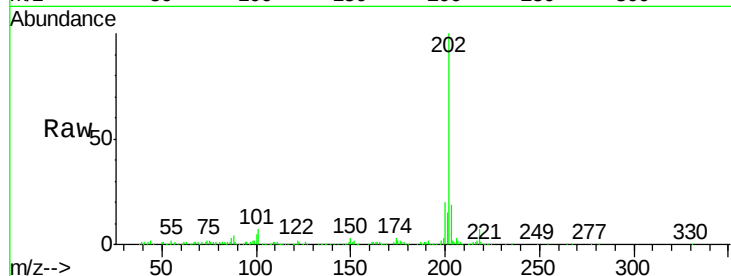
Tot Ion:202 Resp: 163356

Ion Ratio Lower Upper

202 100

101 7.1 0.0 27.5

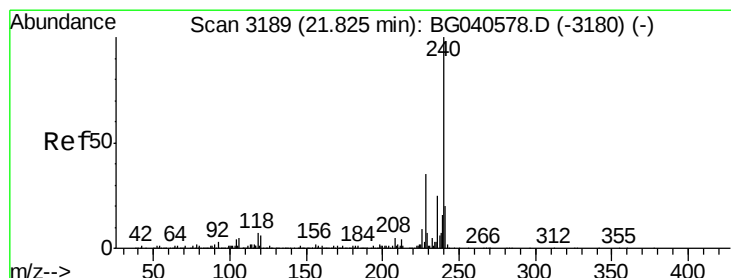
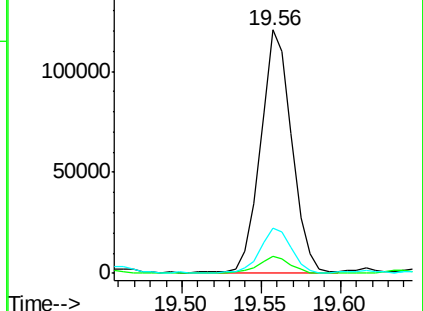
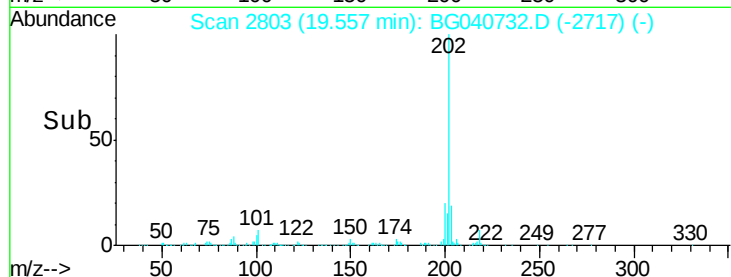
203 18.8 0.0 39.3



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: 20.000 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

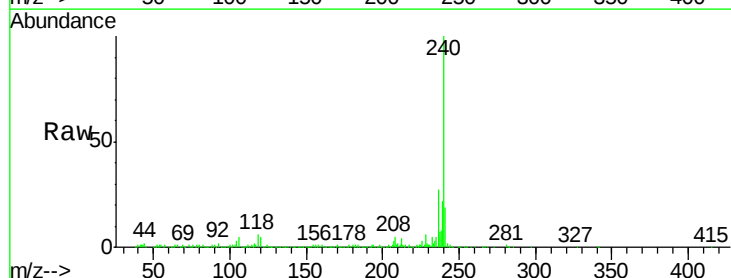
Tgt Ion:240 Resp: 407773

Ion Ratio Lower Upper

240 100

120 5.0 5.0 7.6#

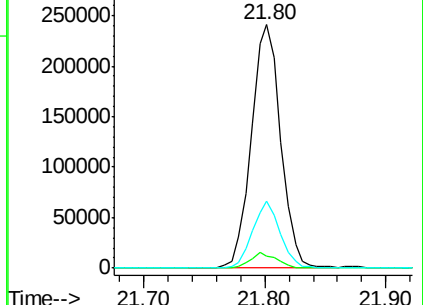
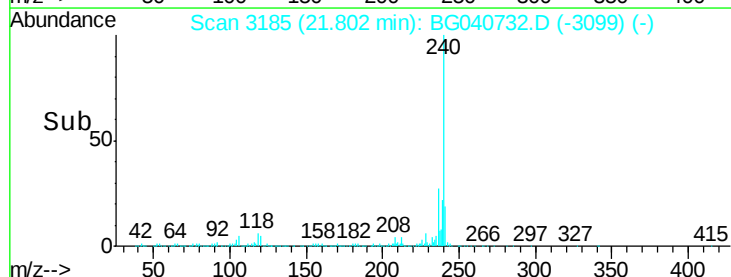
236 27.4 20.3 30.5

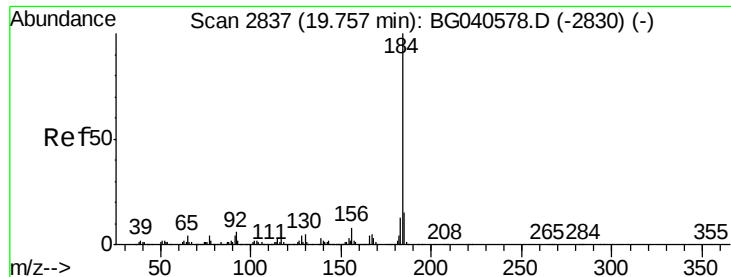


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.458 ng

RT: 20.12 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Instrument :

BNA_G

ClientSampleId :

SP-1-A

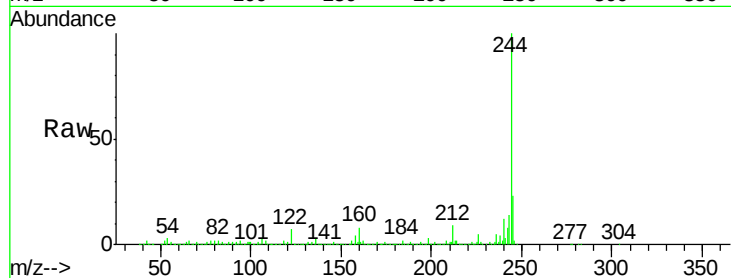
Tot Ion:184 Resp: 27449

Ion Ratio Lower Upper

184 100

185 18.8 11.8 17.8#

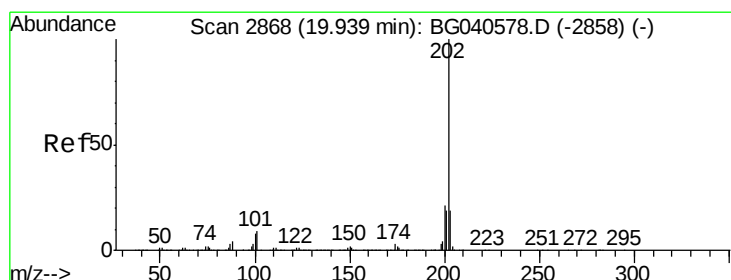
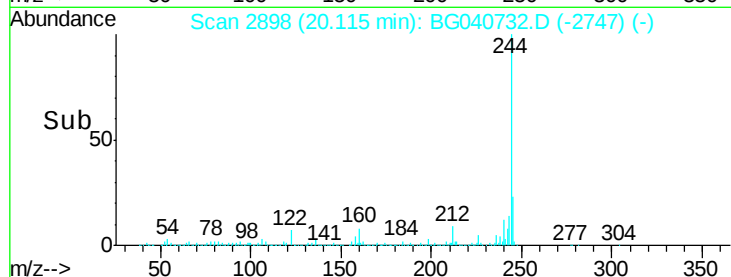
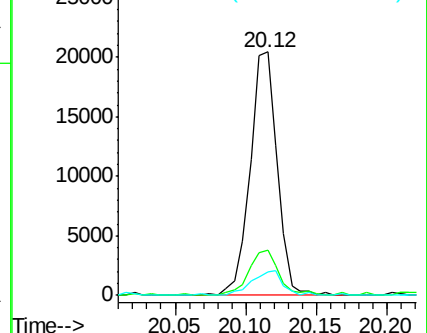
183 9.6 10.2 15.2#



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: 11.216 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

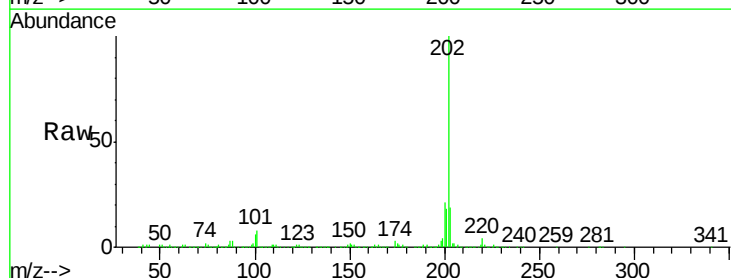
Tgt Ion:202 Resp: 286647

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

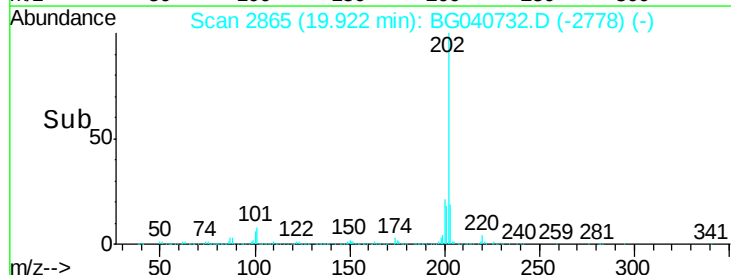
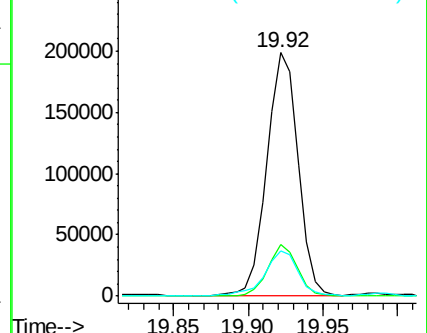
203 18.7 15.0 22.4

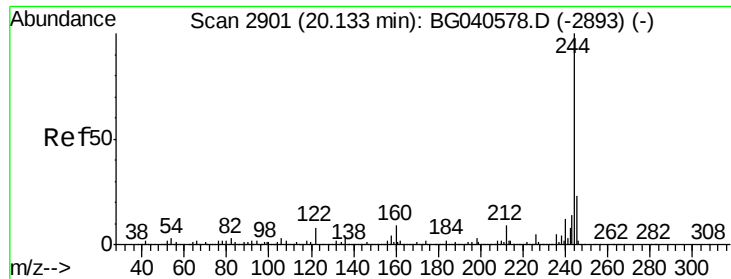


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.489 ng

RT: 20.12 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

Instrument :

BNA_G

ClientSampled :

SP-1-A

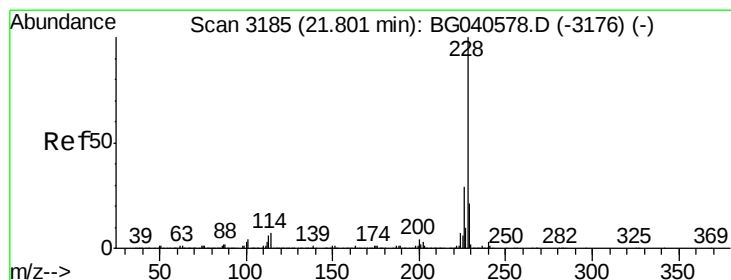
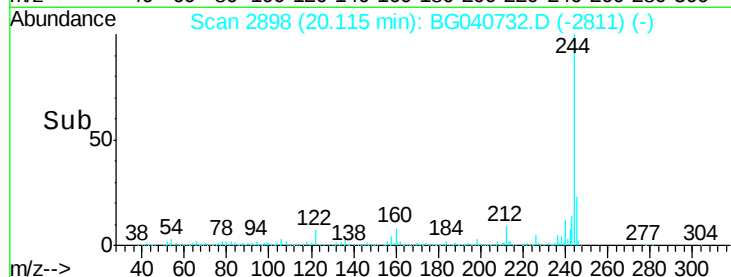
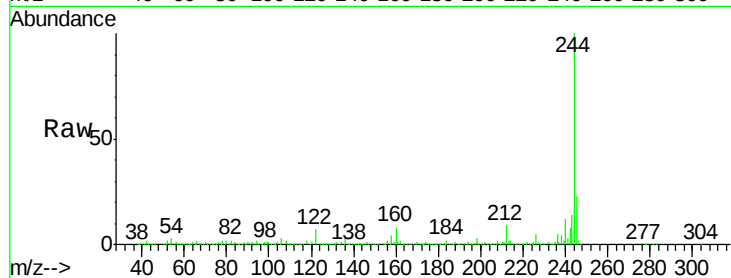
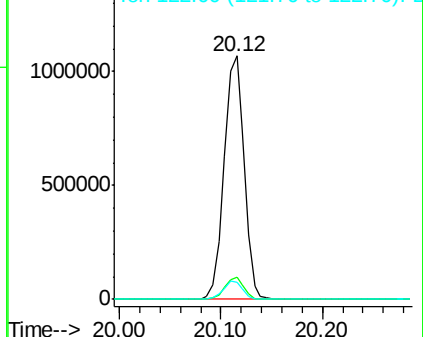
Tot Ion:244 Resp: 1463088

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.2	10.8
122	7.1	6.6	10.0

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



#81

Benzo(a)anthracene

Concen: 4.552 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.02 min

Lab File: BG040732.D

Acq: 3 May 2019 19:46

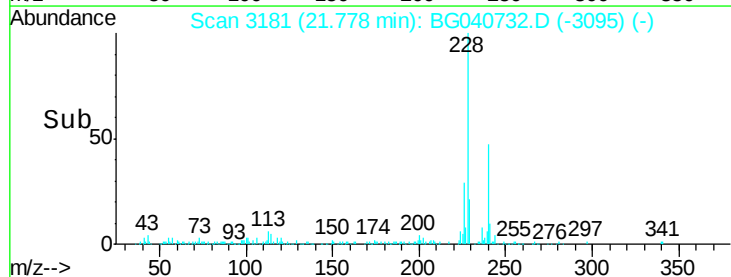
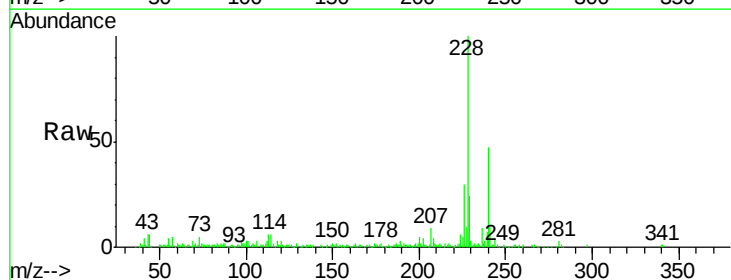
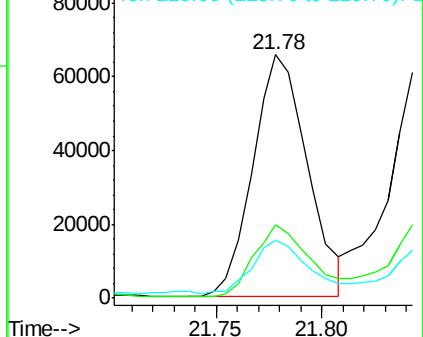
Tgt Ion:228 Resp: 117306

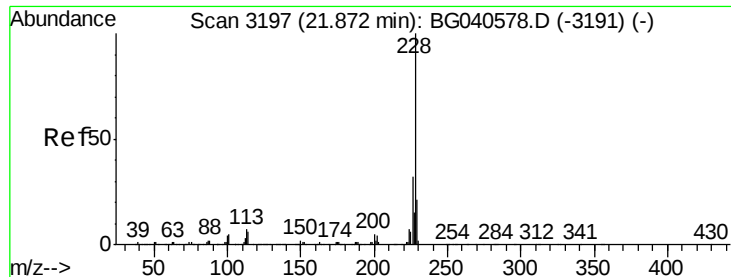
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.1	34.7
229	23.7	17.0	25.4

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

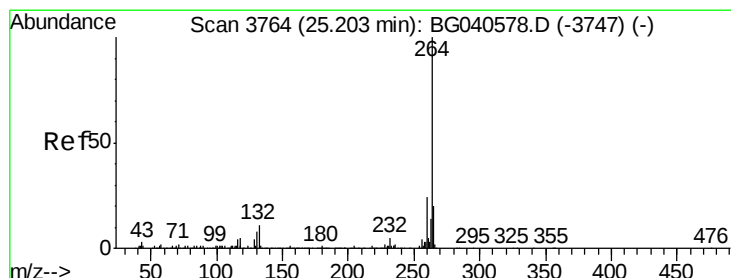
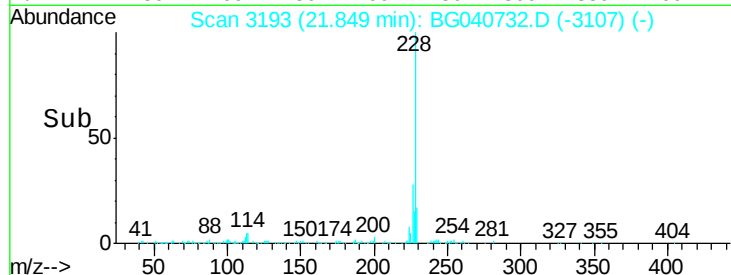
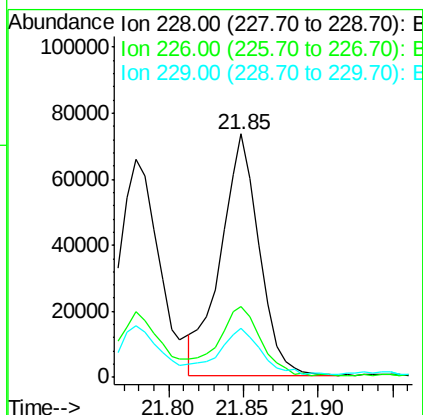
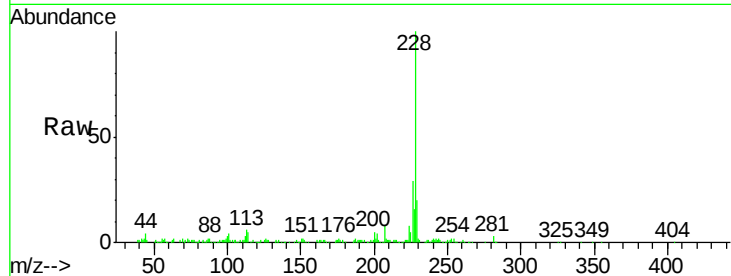




#83
Chrysene
Concen: 5.383 ng
RT: 21.85 min Scan# 3193
Delta R.T. -0.02 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

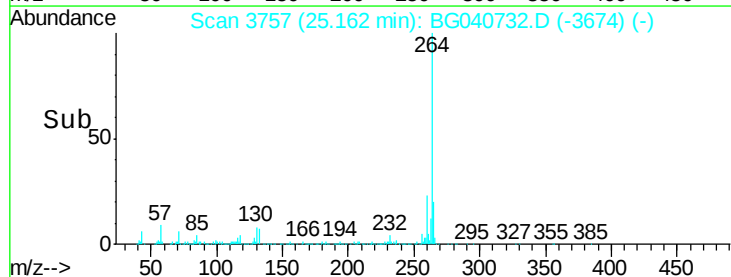
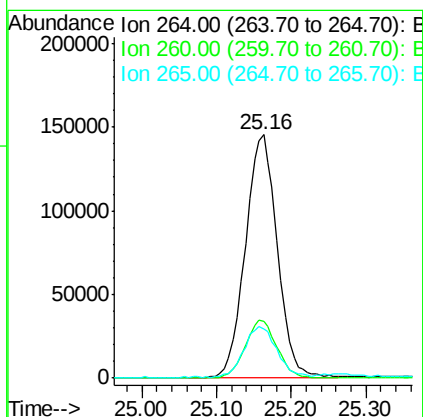
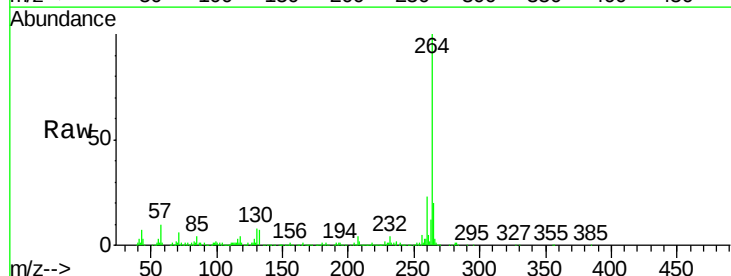
Instrument :
BNA_G
ClientSampleId :
SP-1-A

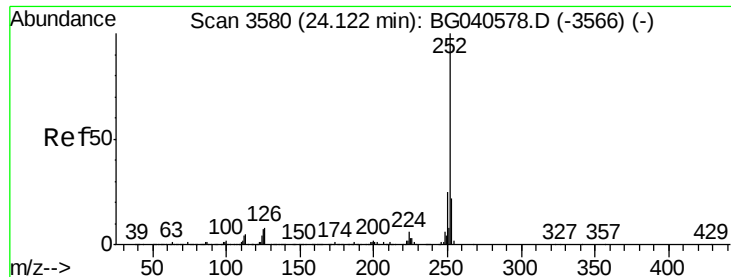
Tot Ion:228 Resp: 131944
Ion Ratio Lower Upper
228 100
226 29.3 25.5 38.3
229 20.2 16.8 25.2



#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion:264 Resp: 432220
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 20.2 16.6 25.0

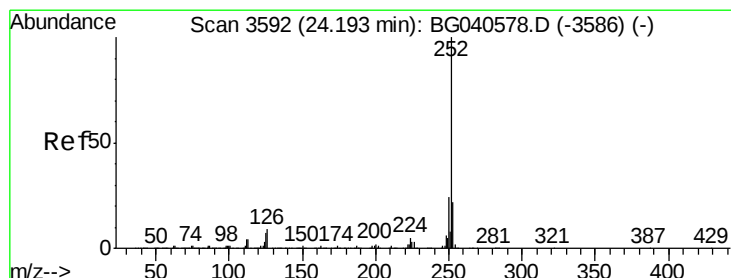
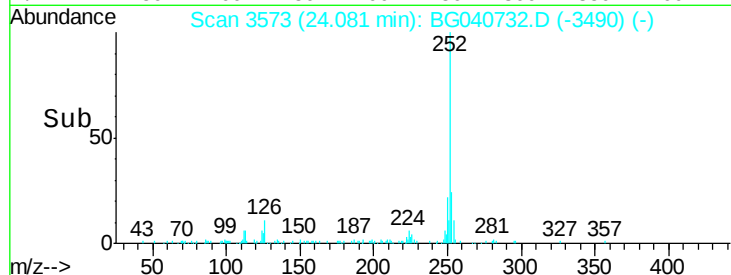
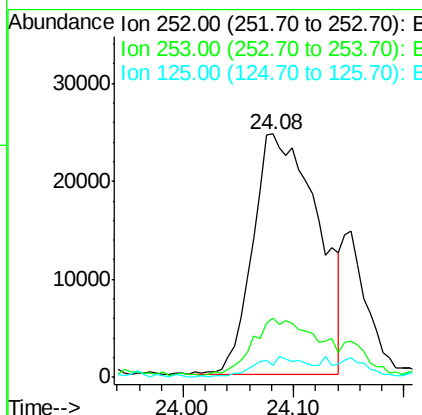
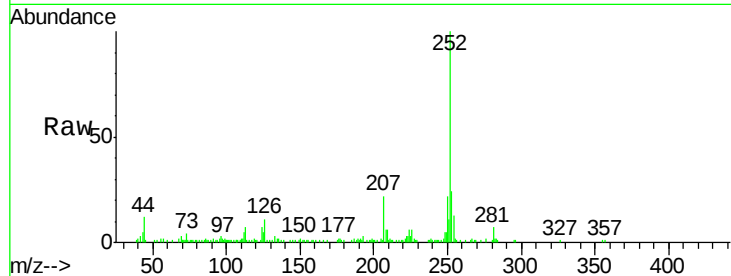




#88
Benzo(b)fluoranthene
Concen: 3.812 ng
RT: 24.08 min Scan# 3573
Delta R.T. -0.04 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

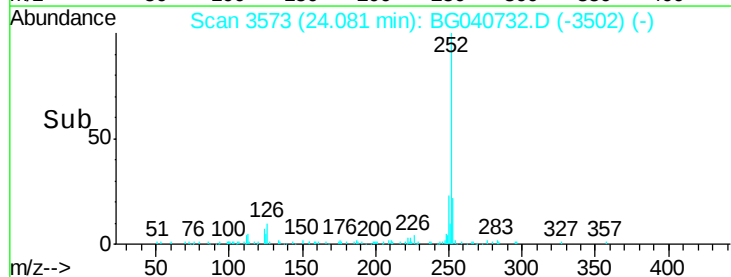
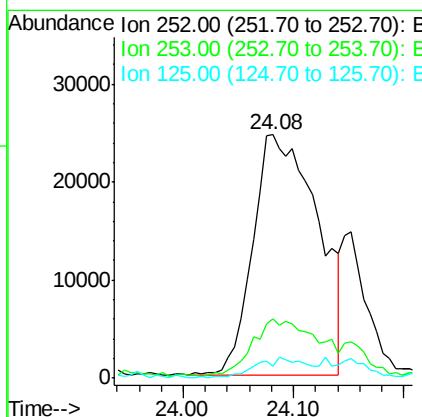
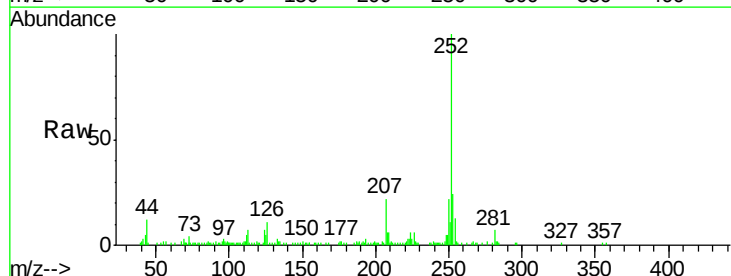
Instrument :
BNA_G
ClientSampleId :
SP-1-A

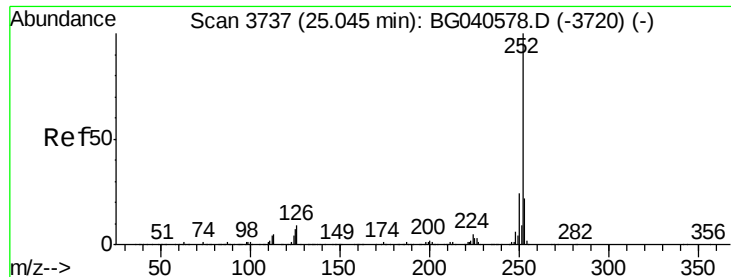
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.6	26.4
125	4.7	5.4	8.0#



#89
Benzo(k)fluoranthene
Concen: 4.082 ng
RT: 24.08 min Scan# 3573
Delta R.T. -0.11 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.6	26.4
125	4.7	5.5	8.3#

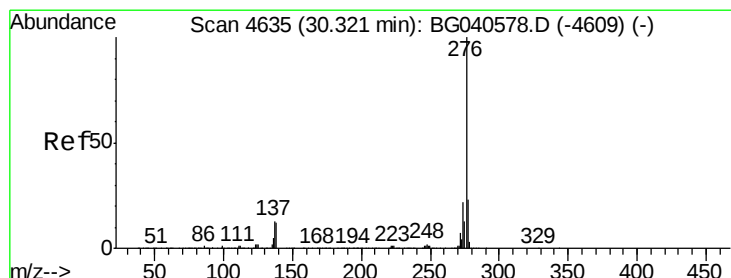
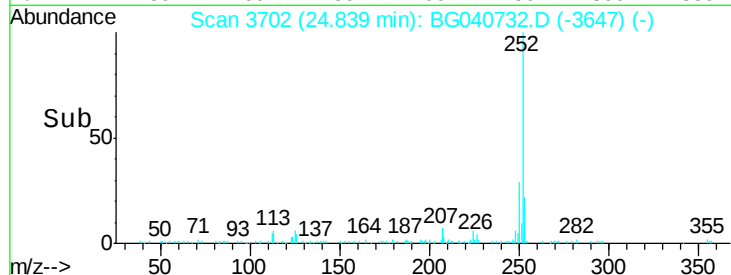
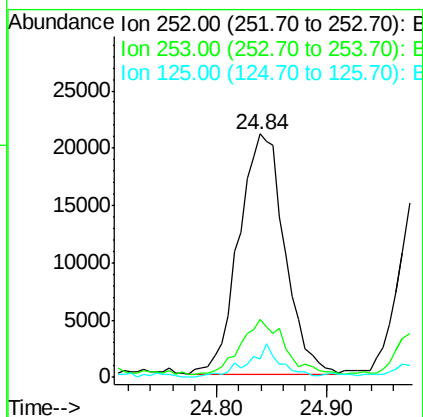
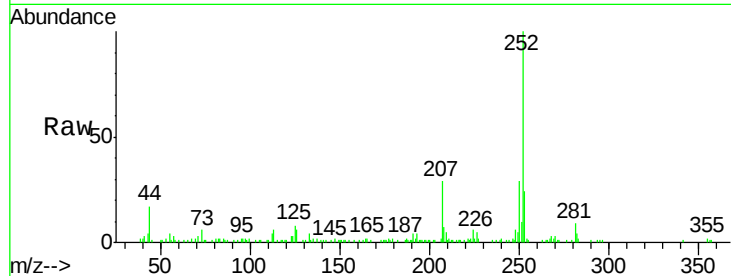




#90
Benzo(a)pyrene
Concen: 2.436 ng
RT: 24.84 min Scan# 3702
Delta R.T. -0.21 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Instrument :
BNA_G
ClientSampleId :
SP-1-A

Tot Ion:252 Resp: 60894
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 7.7 5.7 8.5



#92
Benzo(g,h,i)perylene
Concen: 2.154 ng
RT: 30.22 min Scan# 4618
Delta R.T. -0.10 min
Lab File: BG040732.D
Acq: 3 May 2019 19:46

Tgt Ion:276 Resp: 54227
Ion Ratio Lower Upper
276 100
277 23.3 18.4 27.6
138 11.5 9.8 14.6

