

Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AF-2

Quant Time: Jan 11 04:16:00 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	7.95	152	140348	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	566337	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	333940	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	643029	20.00	ng	-0.01
76) Chrysene-d12	21.57	240	531646	20.00	ng	-0.02
87) Perylene-d12	24.70	264	607429	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	304596	39.85	ng	0.00
7) Phenol-d6	7.12	99	443456	41.50	ng	0.00
23) Nitrobenzene-d5	9.11	82	262844	24.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	127013	36.35	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	607235	32.95	ng	-0.02
79) Terphenyl-d14	19.94	244	766271	25.90	ng	-0.02

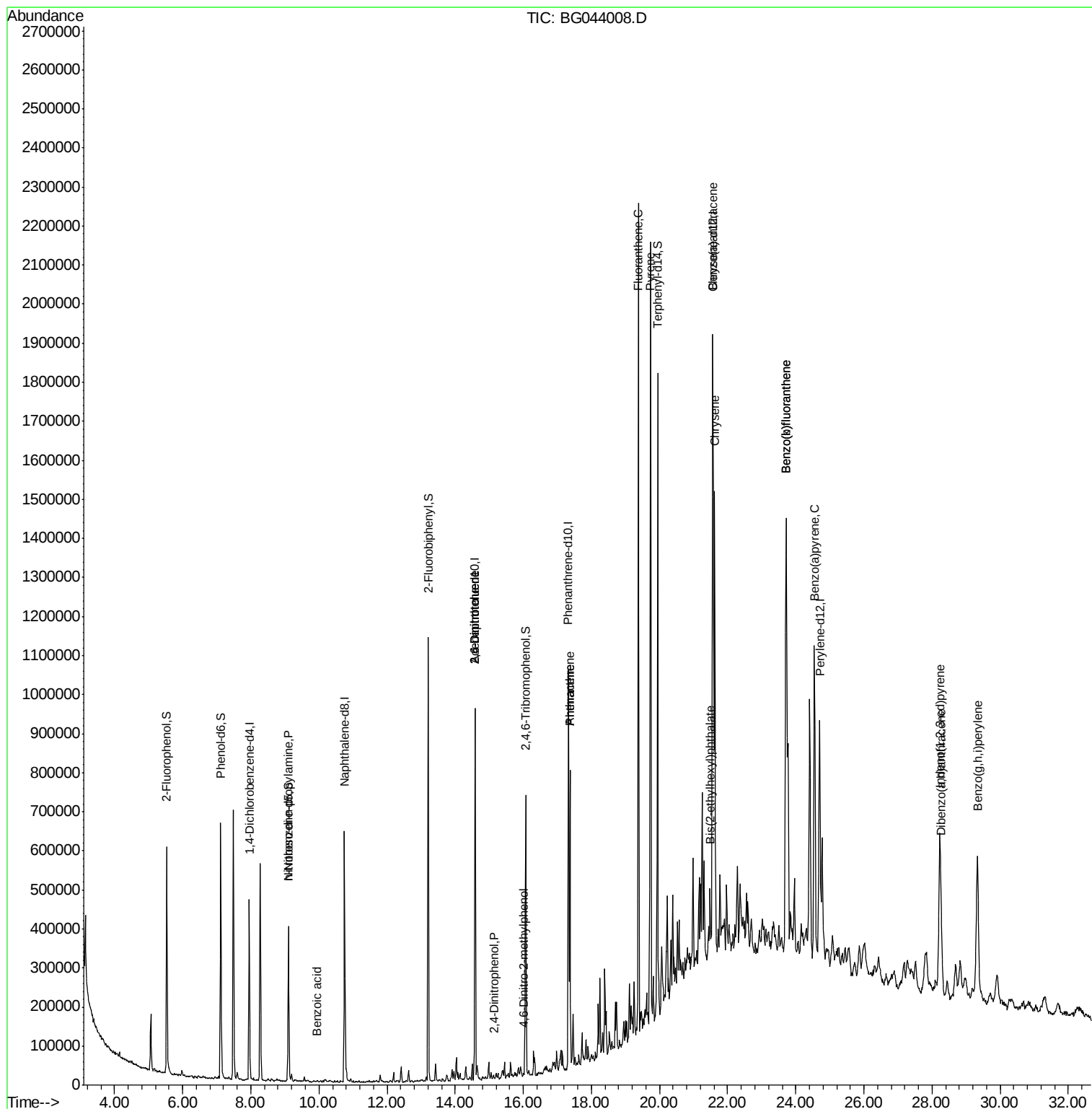
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.11	70	34286	4.309	ng	# 77
32) Benzoic acid	9.95	122	79	6.273	ng	# 1
51) 2,6-Dinitrotoluene	14.58	165	45580	8.505	ng	# 27
54) 2,4-Dinitrophenol	15.14	184	71	5.507	ng	# 20
57) 2,4-Dinitrotoluene	14.58	165	45580	6.250	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.00	198	72	4.410	ng	# 1
71) Phenanthrene	17.37	178	471800	15.297	ng	94
72) Anthracene	17.37	178	471800	15.478	ng	94
75) Fluoranthene	19.38	202	1260600	35.738	ng	98
78) Pyrene	19.73	202	1236852	35.641	ng	97
81) Benzo(a)anthracene	21.56	228	759681	23.044	ng	97
83) Chrysene	21.62	228	792559	25.302	ng	96
84) Bis(2-ethylhexyl)phthalate	21.48	149	71505	3.137	ng	94
86) Indeno(1,2,3-cd)pyrene	28.23	276	682422	16.031	ng	94
88) Benzo(b)fluoranthene	23.71	252	1239245	34.510	ng	99
89) Benzo(k)fluoranthene	23.71	252	1239245	36.291	ng	100
90) Benzo(a)pyrene	24.55	252	853403	25.180	ng	100
91) Dibenzo(a,h)anthracene	28.26	278	168813	4.960	ng	96
92) Benzo(g,h,i)perylene	29.33	276	696594	20.603	ng	99

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

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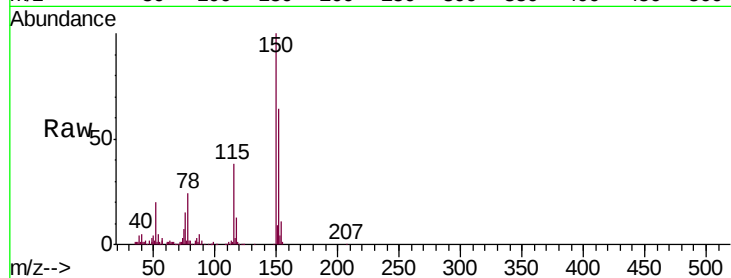


#1

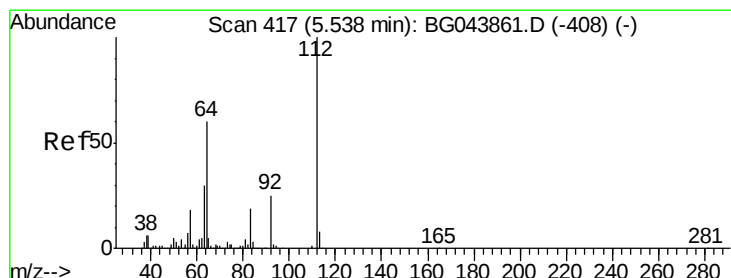
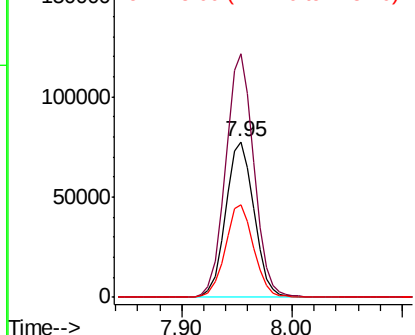
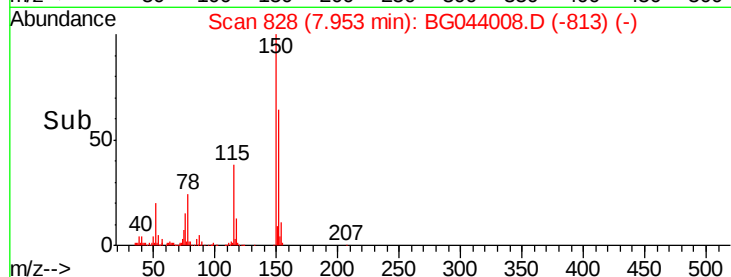
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Instrument :
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ClientSampleId :
AF-2

Tgt Ion:152 Resp: 140348
Ion Ratio Lower Upper
152 100
150 156.3 127.0 190.4
115 59.6 47.8 71.8



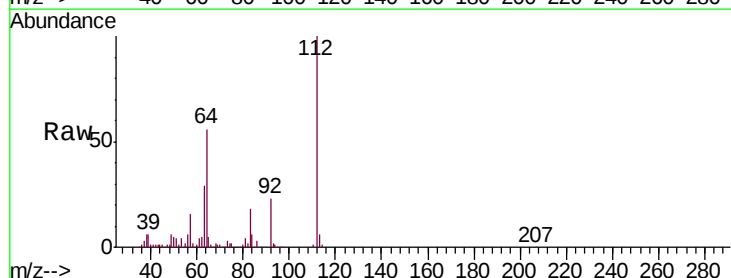
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



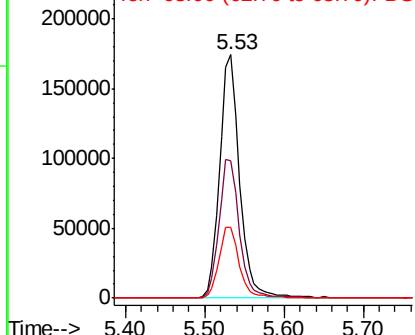
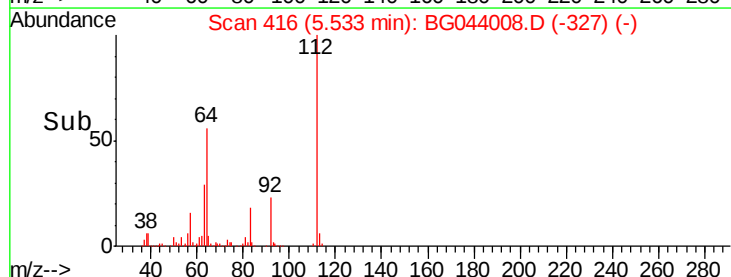
#5

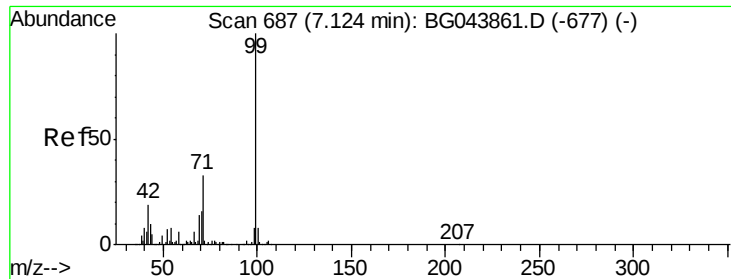
2-Fluorophenol
Concen: 39.849 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion:112 Resp: 304596
Ion Ratio Lower Upper
112 100
64 56.5 47.8 71.6
63 29.2 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: 41.504 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Instrument :

BNA_G

ClientSampleId :

AF-2

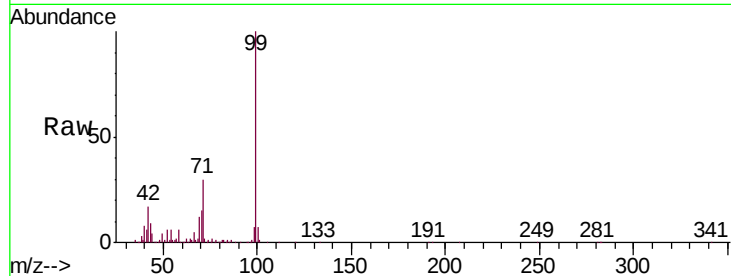
Tgt Ion: 99 Resp: 443456

Ion Ratio Lower Upper

99 100

42 16.7 14.9 22.3

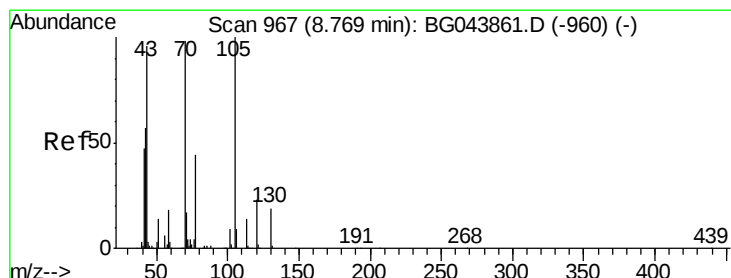
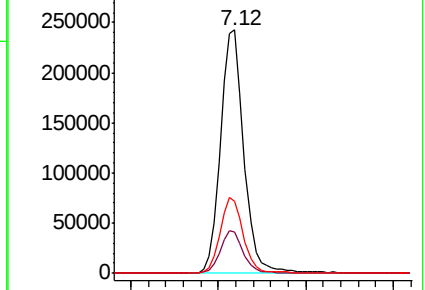
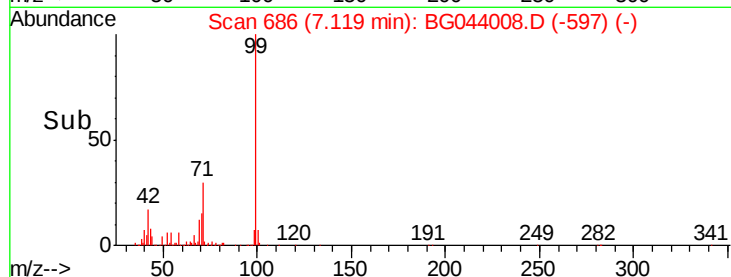
71 29.8 26.4 39.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.309 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Tgt Ion: 70 Resp: 34286

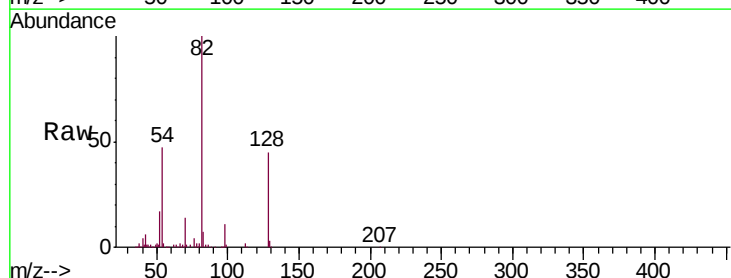
Ion Ratio Lower Upper

70 100

42 45.1 47.0 70.4#

101 0.0 7.2 10.8#

130 1.9 15.6 23.4#

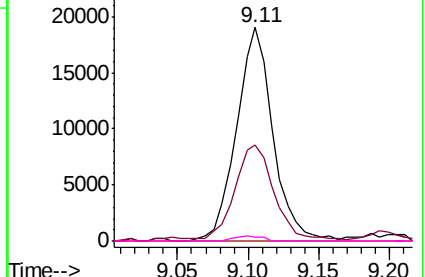
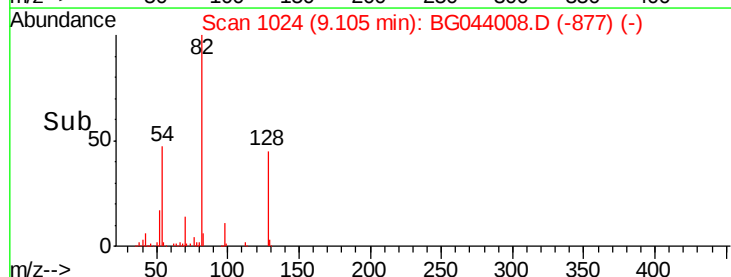


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

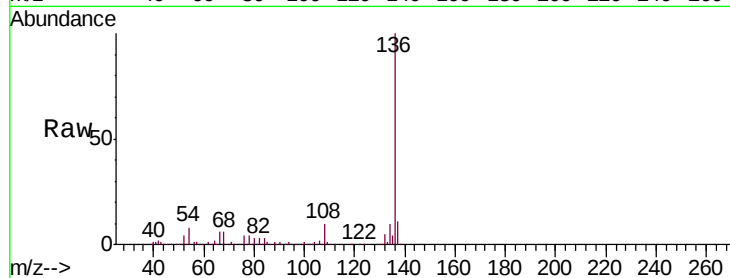




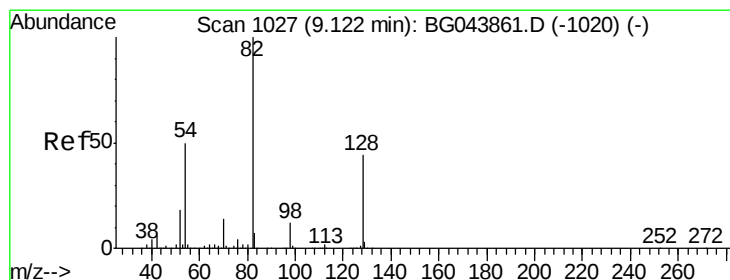
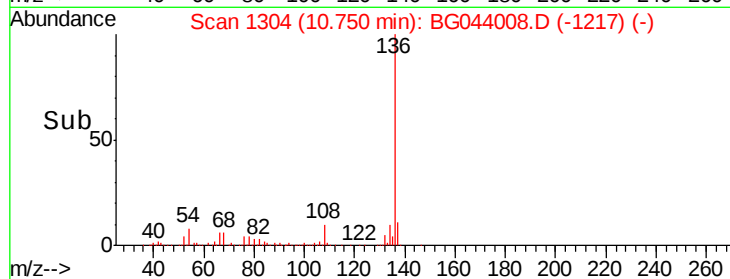
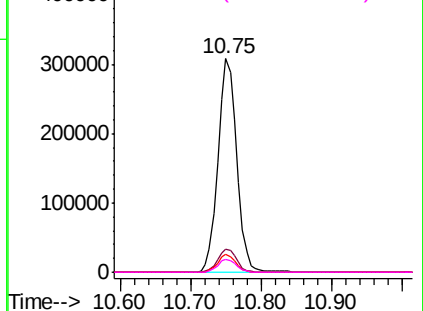
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Instrument :
BNA_G
ClientSampleId :
AF-2

Tgt Ion:	136	Resp:	566337
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	7.0	10.4
68	6.0	4.9	7.3

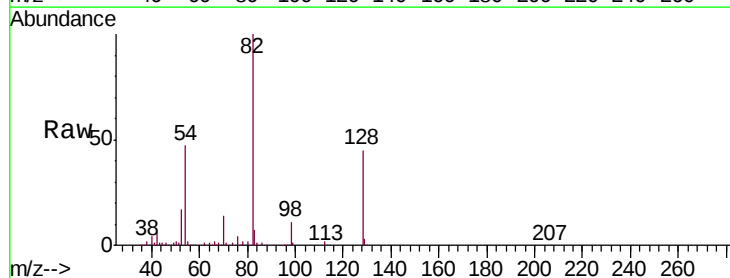


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

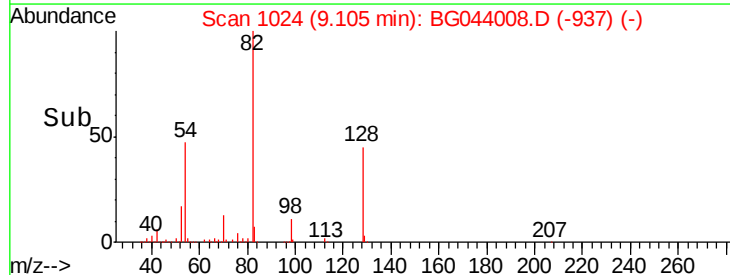
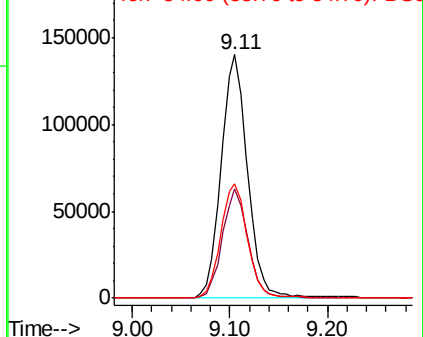


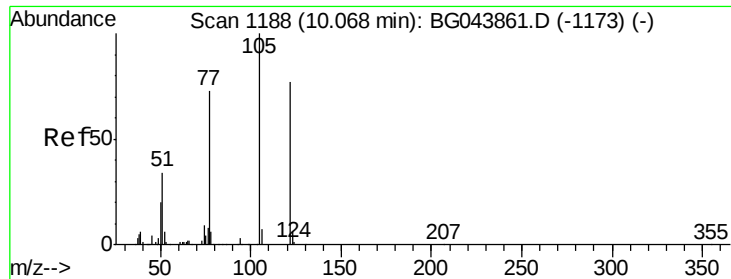
#23
Nitrobenzene-d5
Concen: 24.828 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion:	82	Resp:	262844
Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.1	52.7
54	47.0	40.1	60.1



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

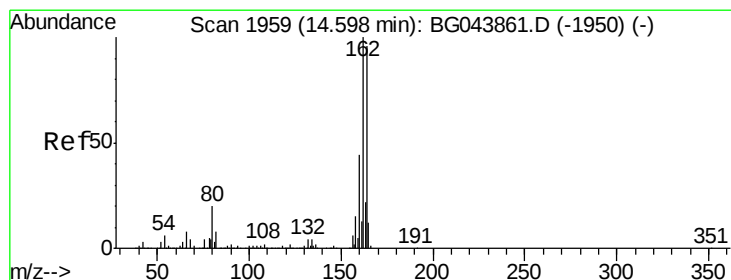
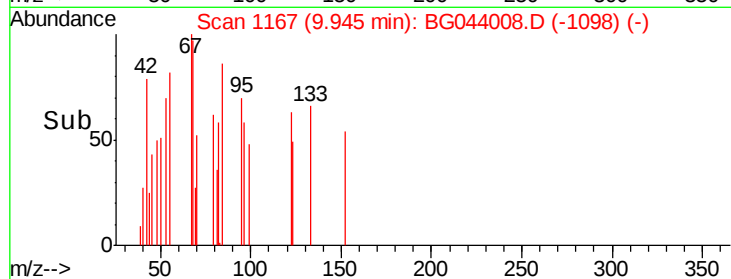
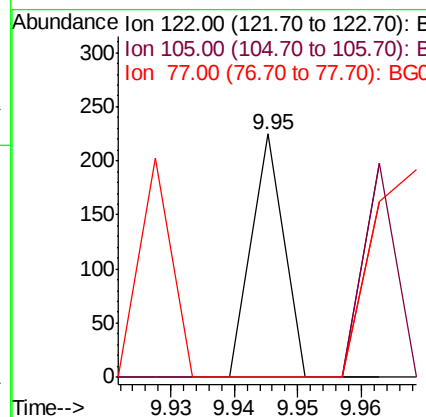
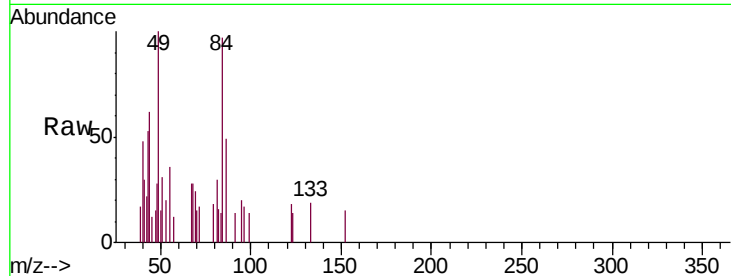




#32
Benzoic acid
Concen: 6.273 ng
RT: 9.95 min Scan# 1167
Delta R.T. -0.12 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

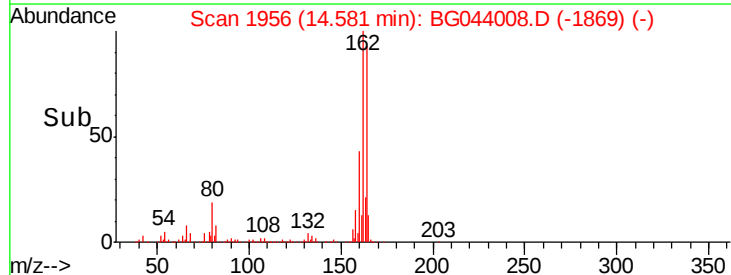
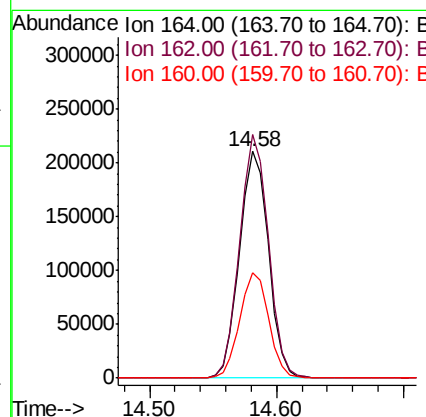
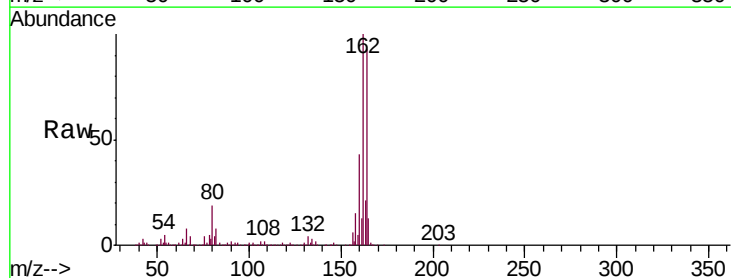
Instrument :
BNA_G
ClientSampled :
AF-2

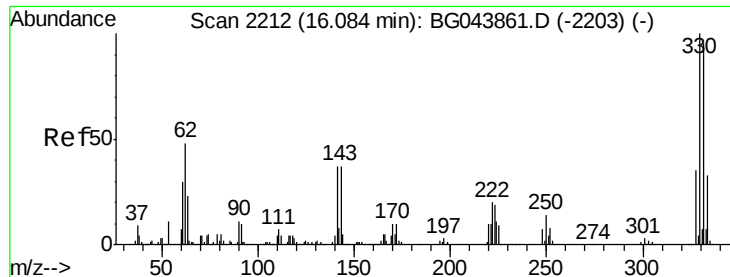
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	0.0	74.6	114.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.4	83.0	124.4
160	46.6	36.1	54.1

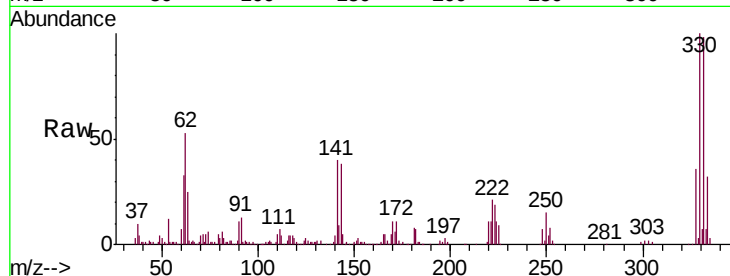




#42
 2,4,6-Tribromophenol
 Concen: 36.345 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044008.D
 Acq: 10 Jan 2020 19:20

Instrument :
 BNA_G
 ClientSampled :
 AF-2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.2	115.8
141	39.5	33.1	49.7

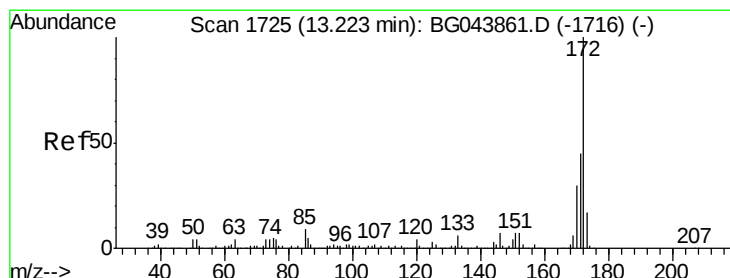
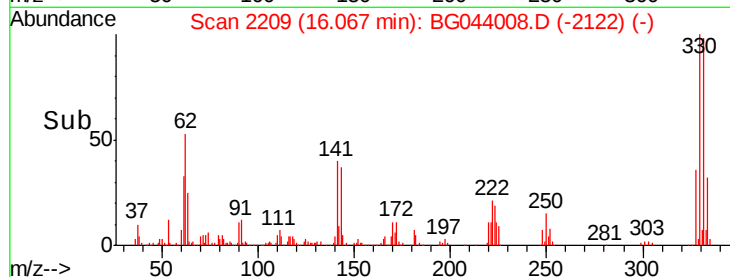
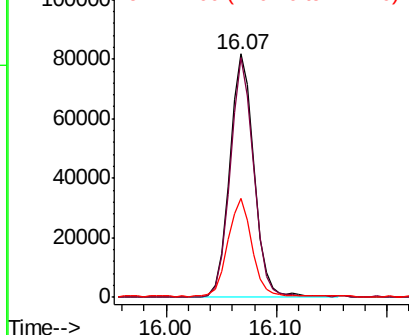


Abundance

Ion 329.80 (329.50 to 330.50): E

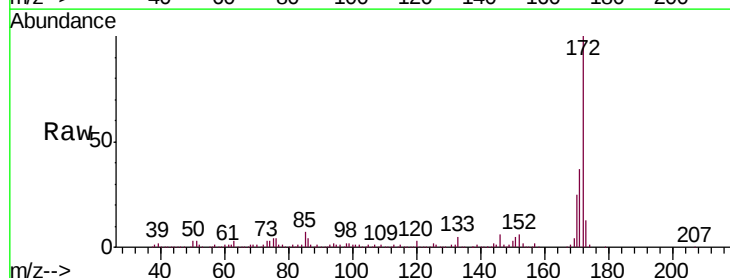
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 32.945 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG044008.D
 Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	35.8	53.8
170	25.1	24.2	36.4

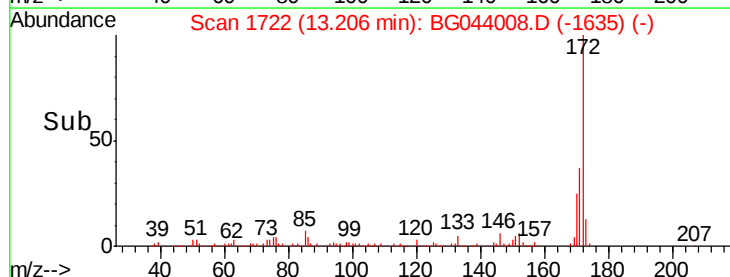
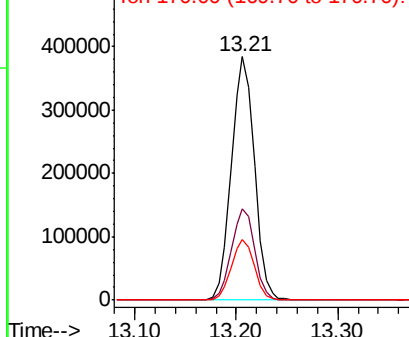


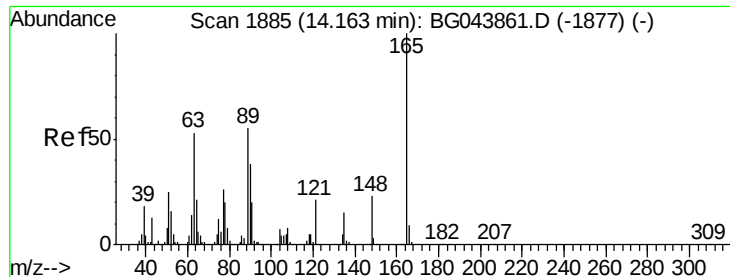
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.505 ng

RT: 14.58 min Scan# 1956

Delta R.T. 0.42 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Instrument :

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ClientSampleId :

AF-2

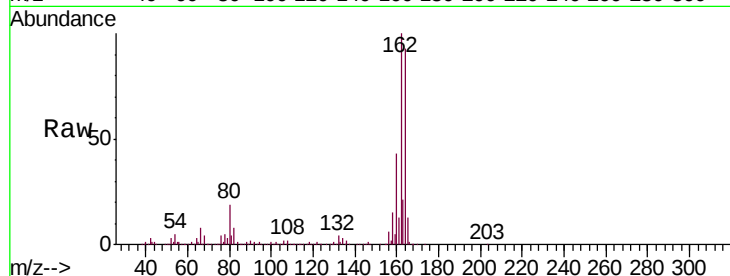
Tgt Ion:165 Resp: 45580

Ion Ratio Lower Upper

165 100

63 1.9 43.1 64.7#

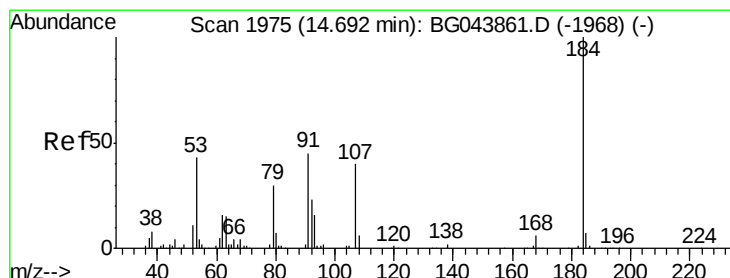
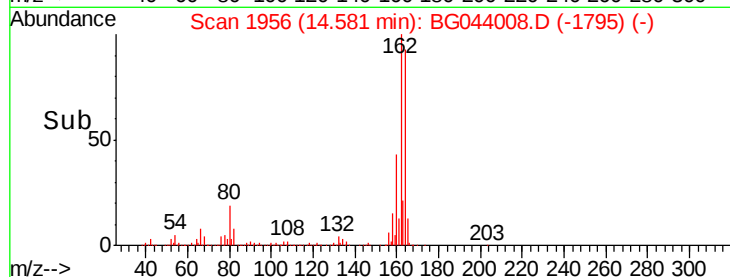
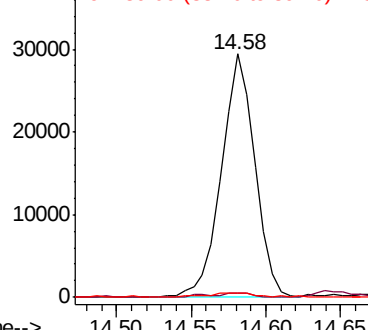
89 1.6 43.8 65.6#



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



#54

2,4-Dinitrophenol

Concen: 5.507 ng

RT: 15.14 min Scan# 2052

Delta R.T. 0.45 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

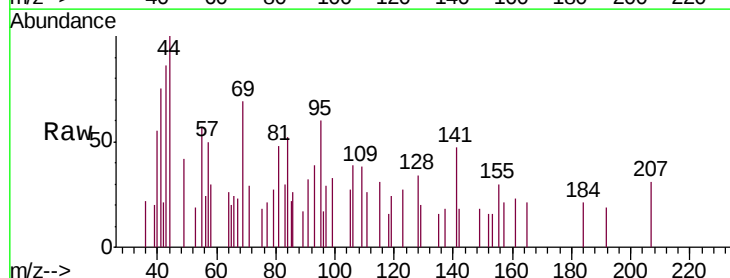
Tgt Ion:184 Resp: 71

Ion Ratio Lower Upper

184 100

63 0.0 46.6 70.0#

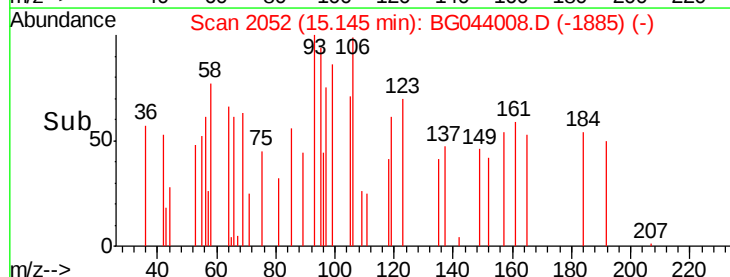
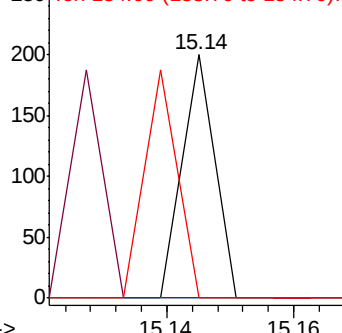
154 0.0 50.2 75.4#

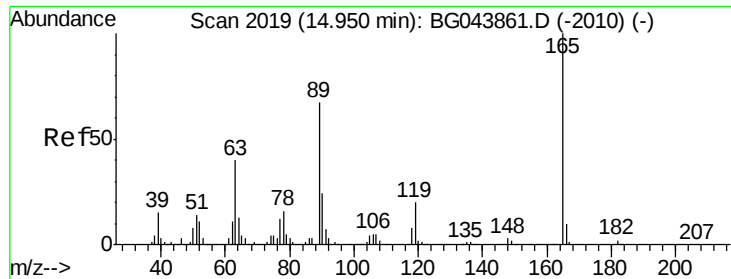


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

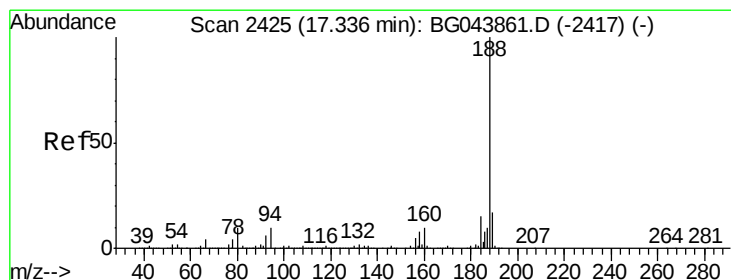
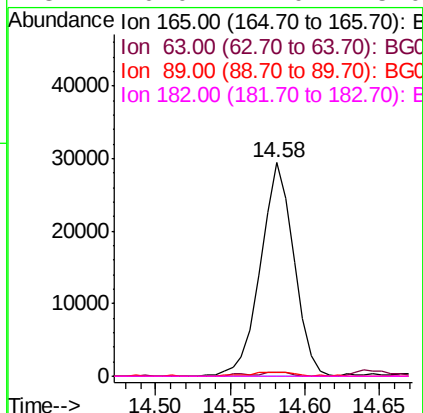
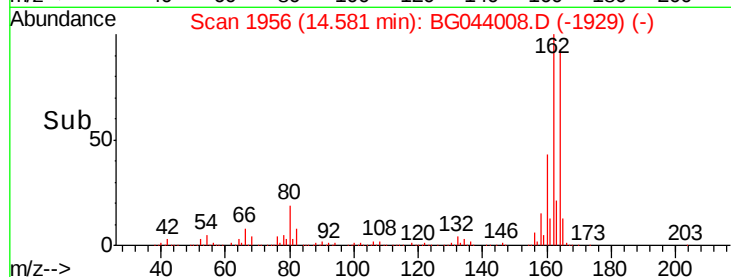
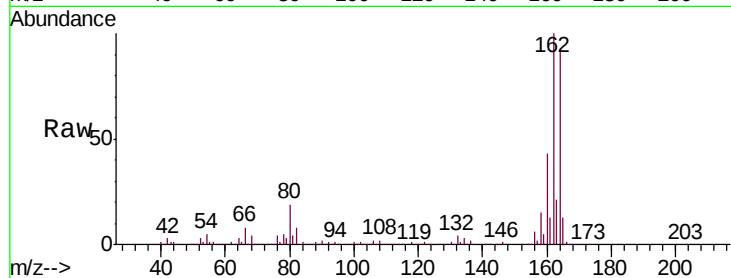




#57
2,4-Dinitrotoluene
Concen: 6.250 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.37 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

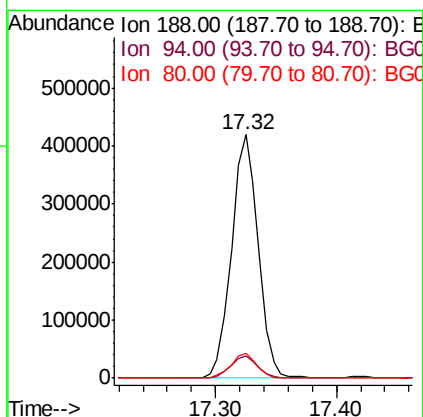
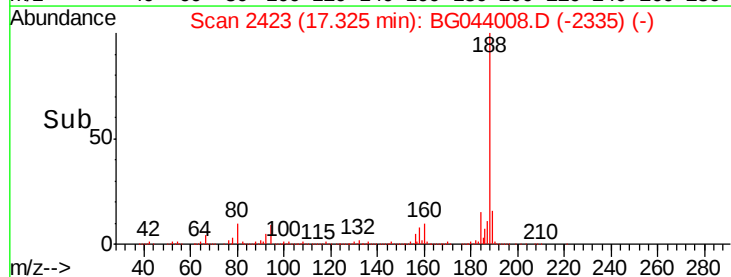
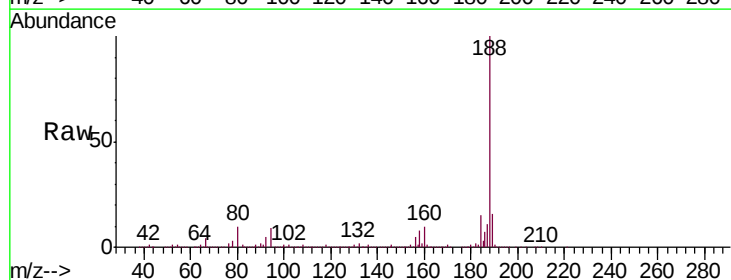
Instrument :
BNA_G
ClientSampleId :
AF-2

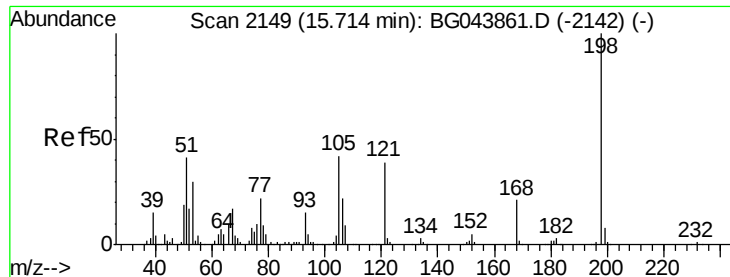
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	31.9	47.9#
89	1.6	53.8	80.6#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.9	11.9
80	10.3	8.2	12.4

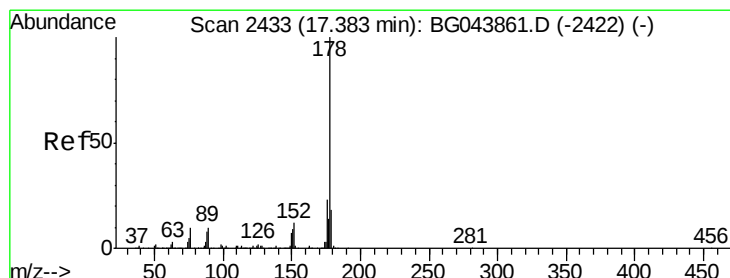
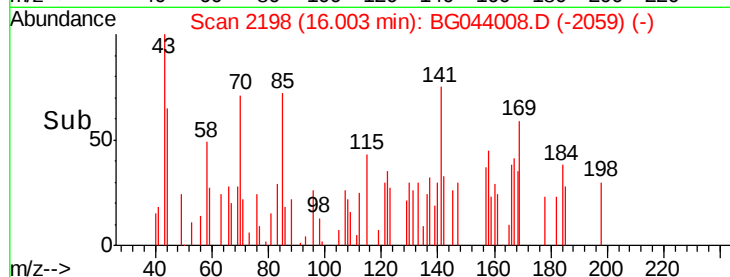
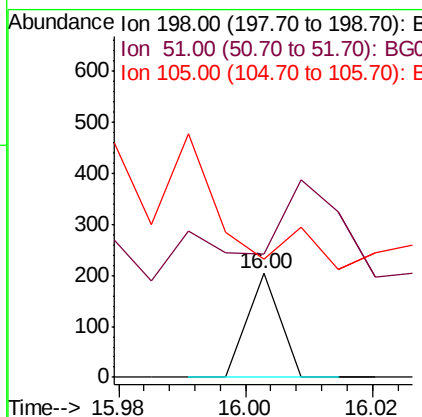
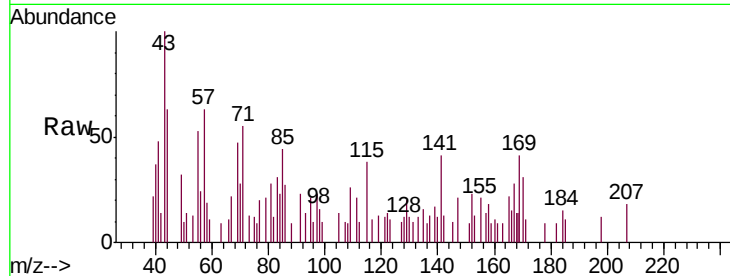




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.410 ng
 RT: 16.00 min Scan# 2198
 Delta R.T. 0.29 min
 Lab File: BG044008.D
 Acq: 10 Jan 2020 19:20

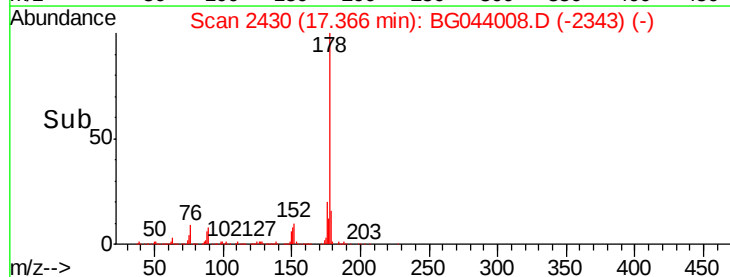
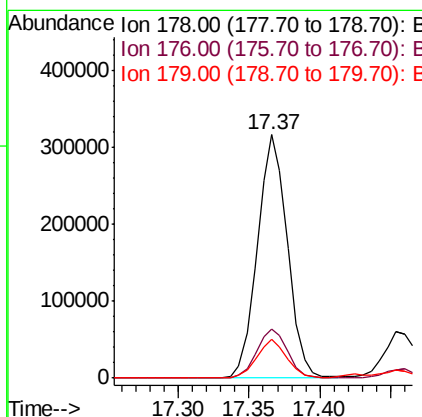
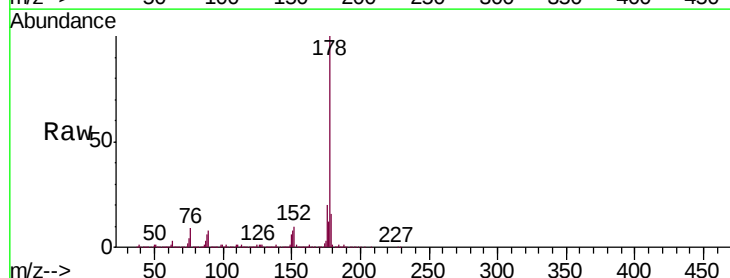
Instrument :
 BNA_G
 ClientSampleId :
 AF-2

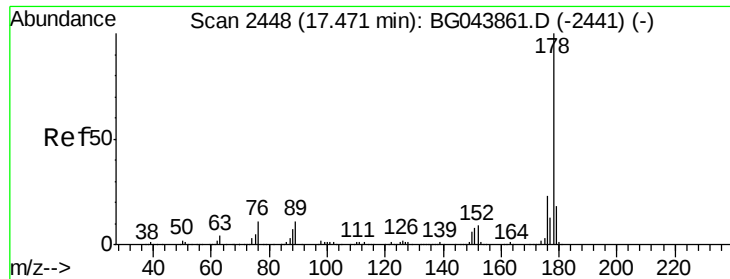
Tgt Ion:198 Resp: 72
 Ion Ratio Lower Upper
 198 100
 51 119.2 22.5 62.5#
 105 114.8 22.3 62.3#



#71
 Phenanthrene
 Concen: 15.297 ng
 RT: 17.37 min Scan# 2430
 Delta R.T. -0.02 min
 Lab File: BG044008.D
 Acq: 10 Jan 2020 19:20

Tgt Ion:178 Resp: 471800
 Ion Ratio Lower Upper
 178 100
 176 19.9 18.6 28.0
 179 16.2 14.4 21.6





#72

Anthracene

Concen: 15.478 ng

RT: 17.37 min Scan# 2430

Delta R.T. -0.11 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Instrument :

BNA_G

ClientSampleId :

AF-2

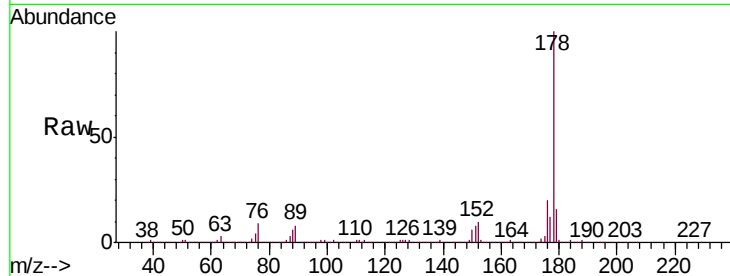
Tgt Ion:178 Resp: 471800

Ion Ratio Lower Upper

178 100

176 19.9 18.3 27.5

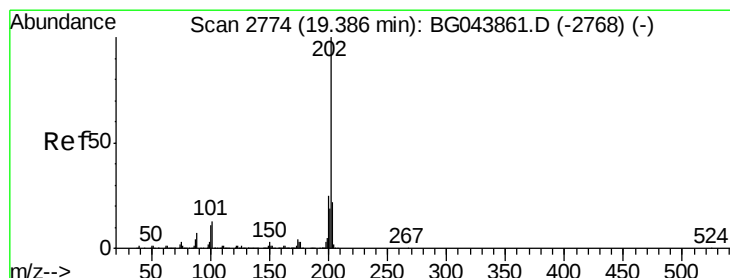
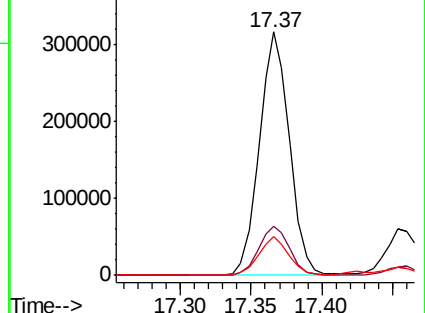
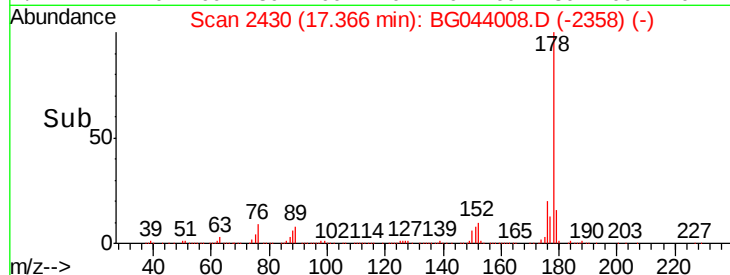
179 16.2 14.6 22.0



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: 35.738 ng

RT: 19.38 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

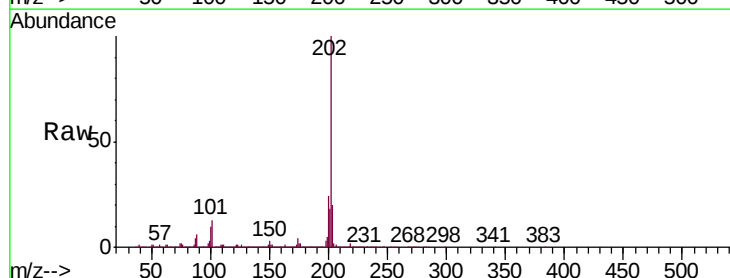
Tgt Ion:202 Resp: 1260600

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.3

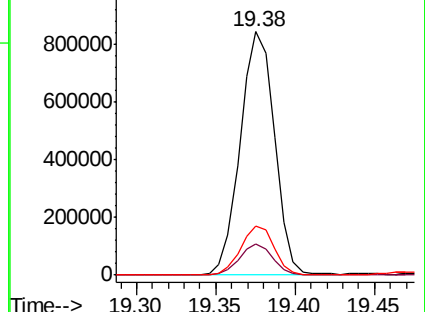
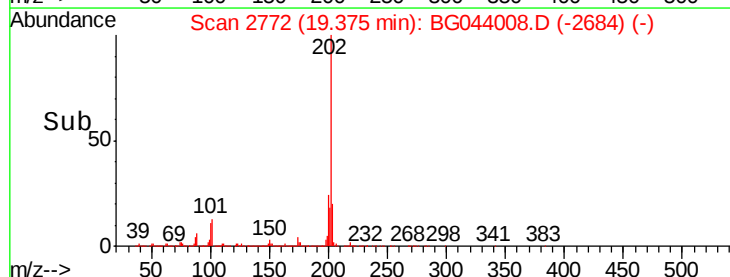
203 20.4 1.6 41.6

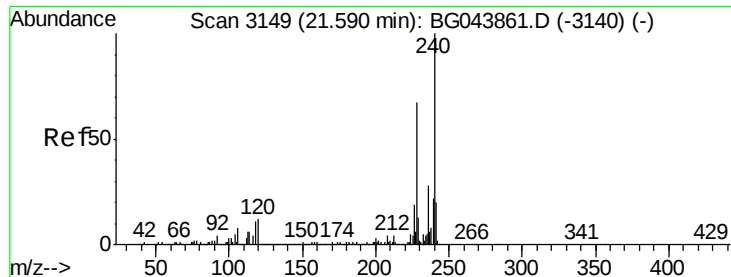


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

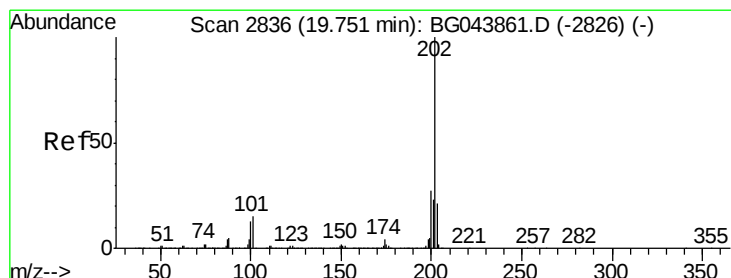
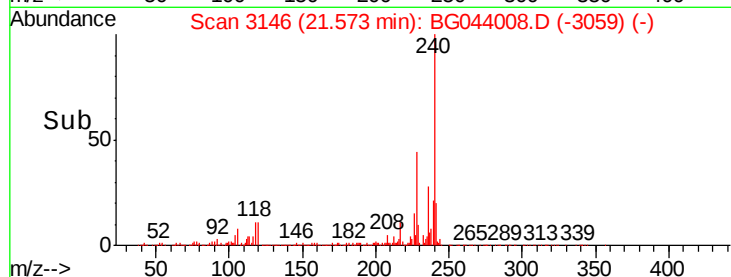
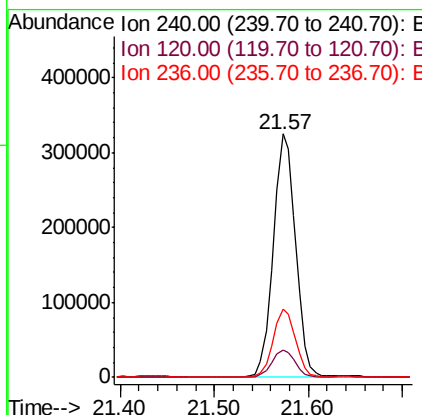
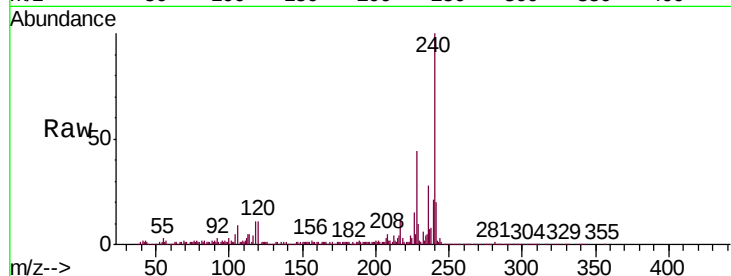




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

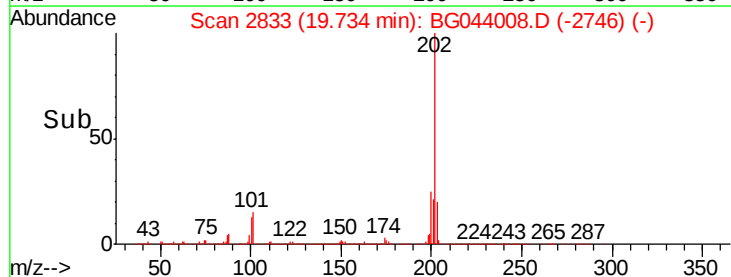
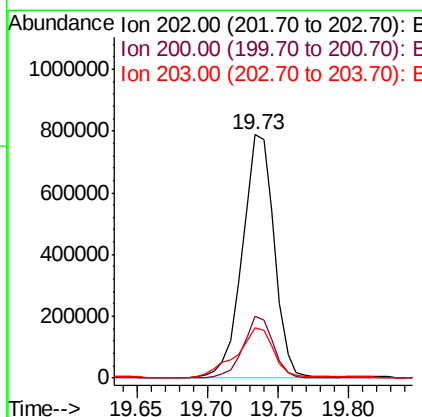
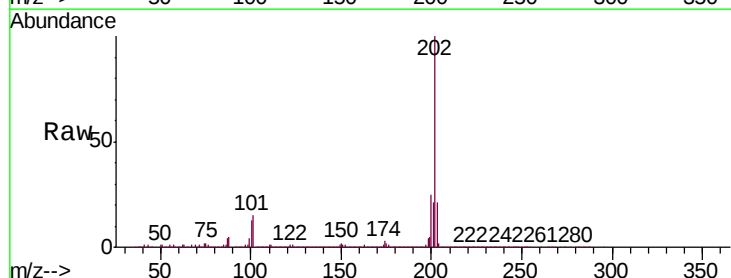
Instrument :
BNA_G
ClientSampleId :
AF-2

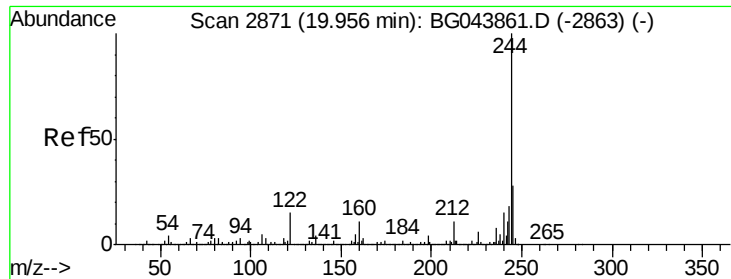
Tgt Ion:240 Resp: 531646
Ion Ratio Lower Upper
240 100
120 11.5 9.6 14.4
236 28.1 22.2 33.2



#78
Pyrene
Concen: 35.641 ng
RT: 19.73 min Scan# 2833
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion:202 Resp: 1236852
Ion Ratio Lower Upper
202 100
200 25.3 21.7 32.5
203 20.5 17.0 25.6





#79

Terphenyl-d14

Concen: 25.897 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Instrument :

BNA_G

ClientSampleId :

AF-2

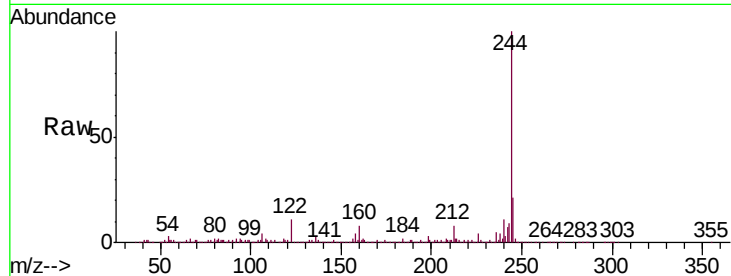
Tgt Ion:244 Resp: 766271

Ion Ratio Lower Upper

244 100

212 7.8 8.6 13.0#

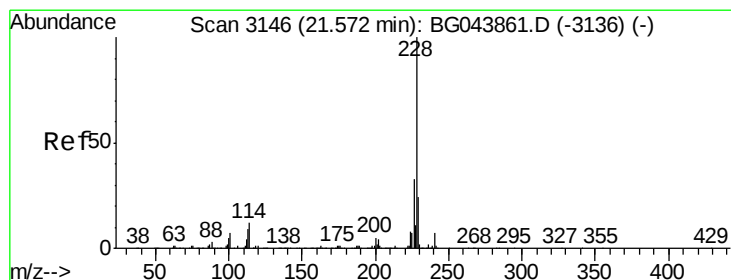
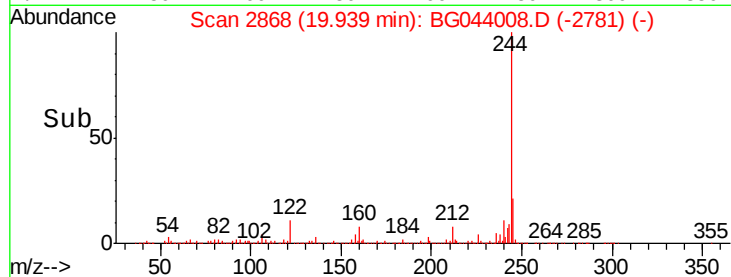
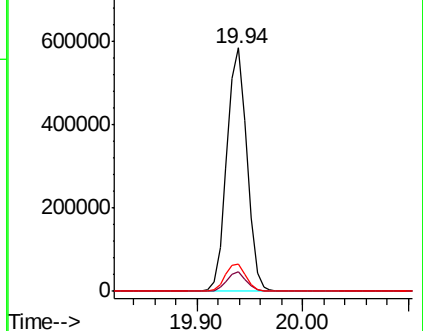
122 11.1 11.9 17.9#



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: 23.044 ng

RT: 21.56 min Scan# 3143

Delta R.T. -0.02 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

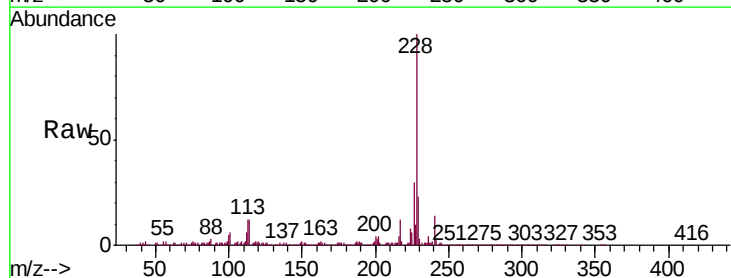
Tgt Ion:228 Resp: 759681

Ion Ratio Lower Upper

228 100

226 30.5 26.2 39.4

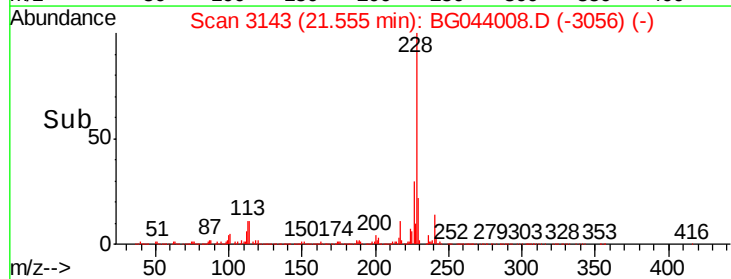
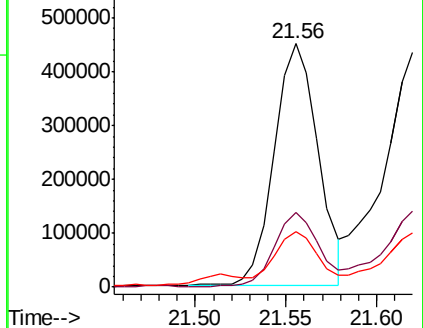
229 22.6 18.9 28.3

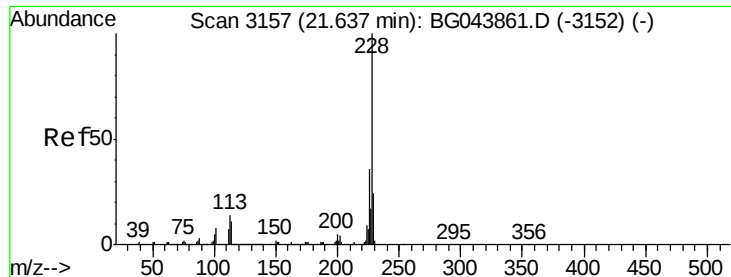


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 25.302 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Instrument :

BNA_G

ClientSampleId :

AF-2

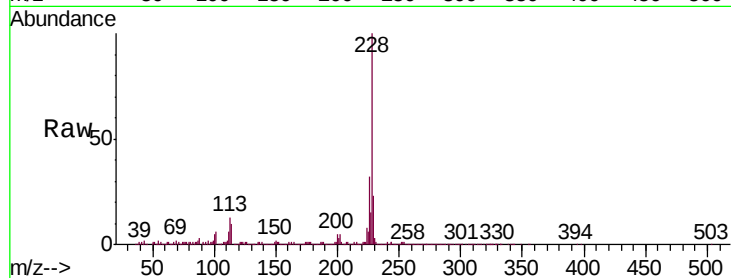
Tgt Ion:228 Resp: 792559

Ion Ratio Lower Upper

228 100

226 32.4 28.8 43.2

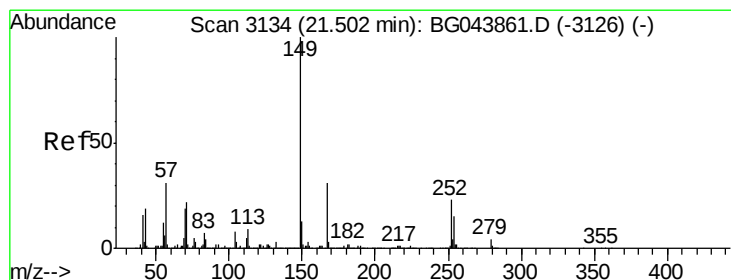
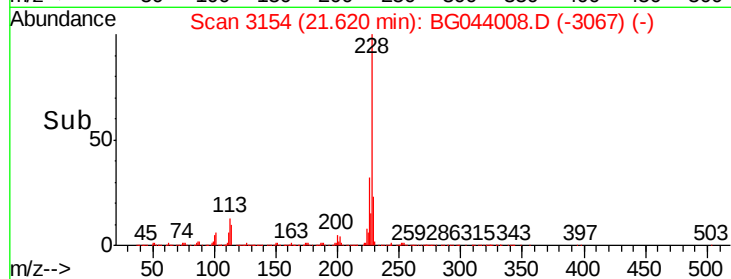
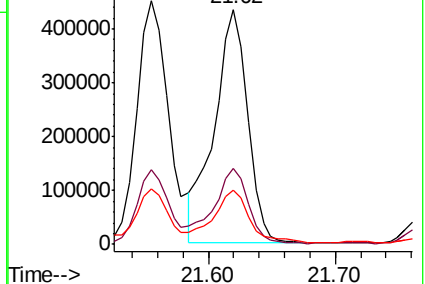
229 22.8 19.0 28.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.137 ng

RT: 21.48 min Scan# 3130

Delta R.T. -0.02 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

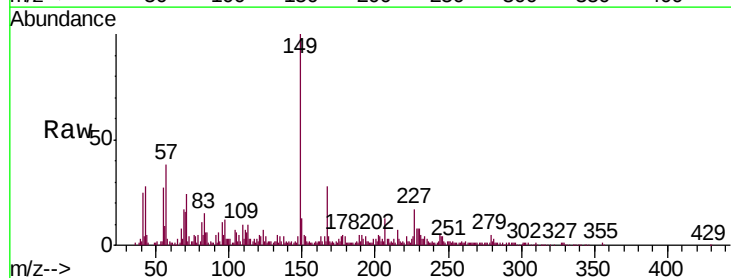
Tgt Ion:149 Resp: 71505

Ion Ratio Lower Upper

149 100

167 27.6 24.7 37.1

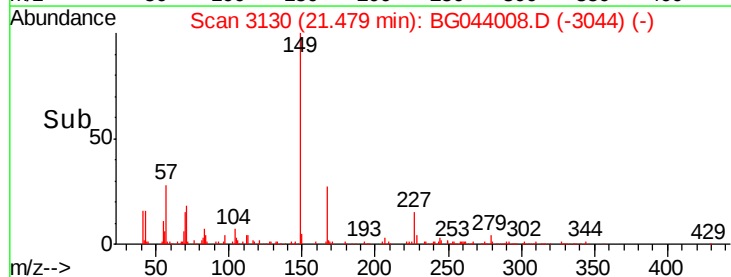
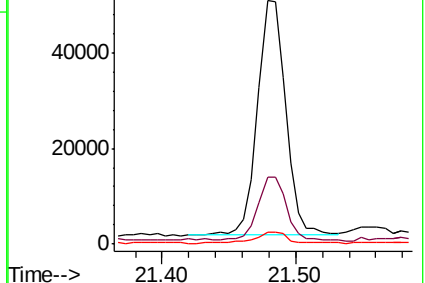
279 4.8 3.3 4.9

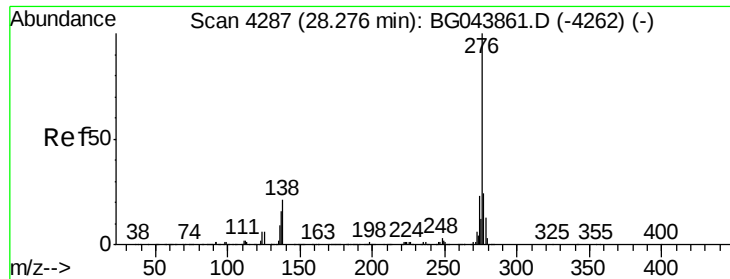


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 16.031 ng

RT: 28.23 min Scan# 4279

Delta R.T. -0.05 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Instrument :

BNA_G

ClientSampleId :

AF-2

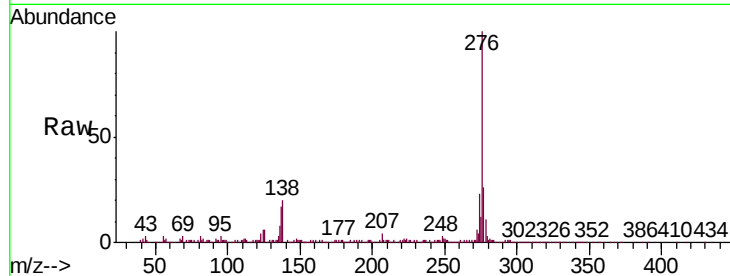
Tgt Ion:276 Resp: 682422

Ion Ratio Lower Upper

276 100

138 21.6 21.0 31.4

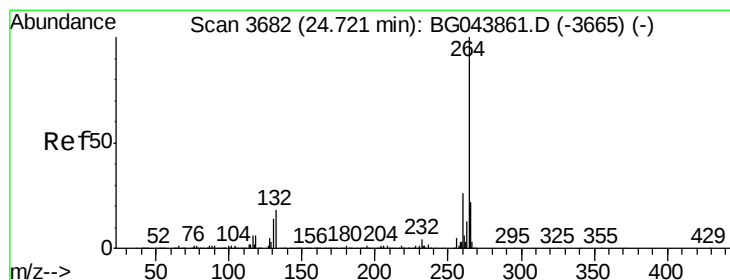
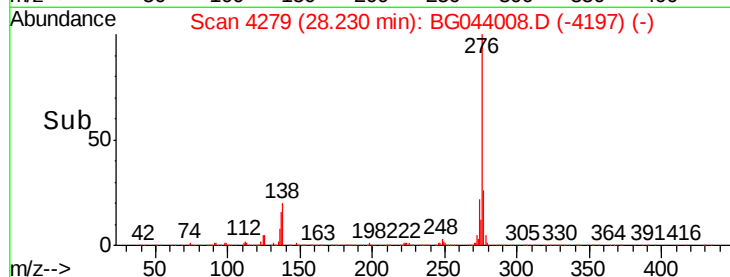
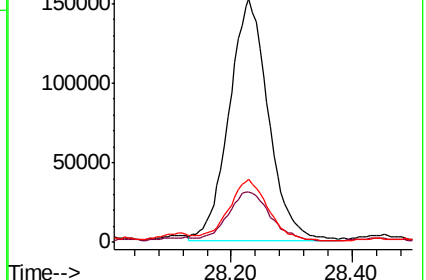
277 25.2 21.1 31.7



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: BG044008.D

Acq: 10 Jan 2020 19:20

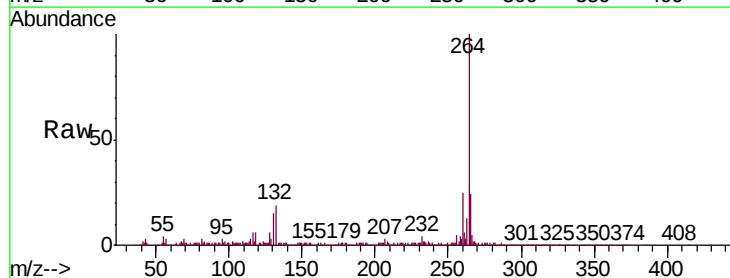
Tgt Ion:264 Resp: 607429

Ion Ratio Lower Upper

264 100

260 25.0 20.4 30.6

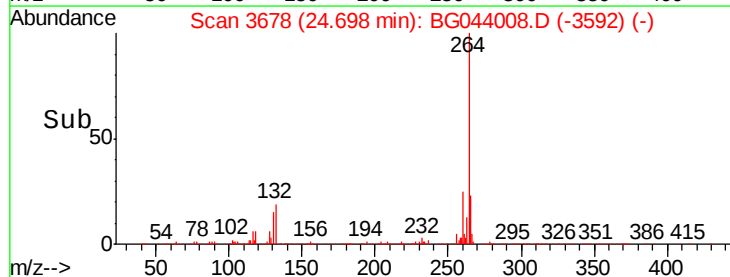
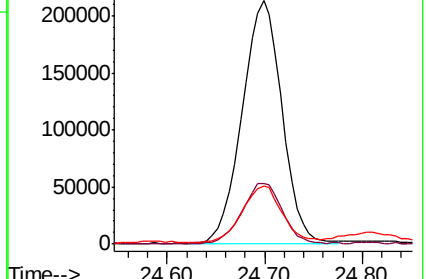
265 23.7 17.4 26.2

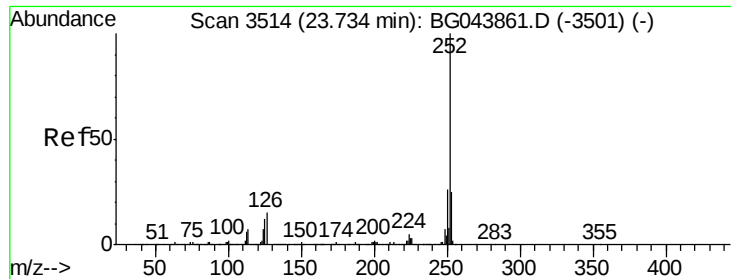


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 34.510 ng

RT: 23.71 min Scan# 3510

Delta R.T. -0.02 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Instrument :

BNA_G

ClientSampleId :

AF-2

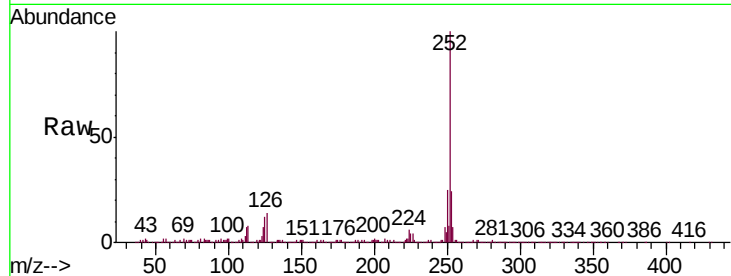
Tgt Ion:252 Resp: 1239245

Ion Ratio Lower Upper

252 100

253 24.2 19.7 29.5

125 12.4 9.4 14.2

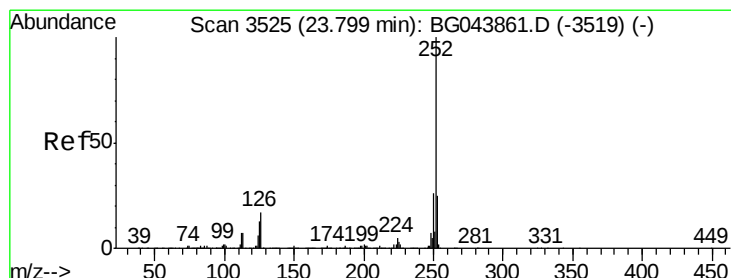
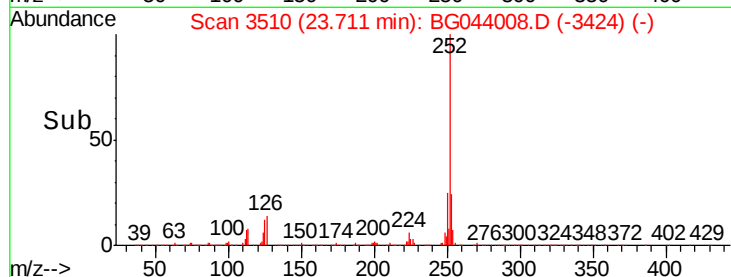
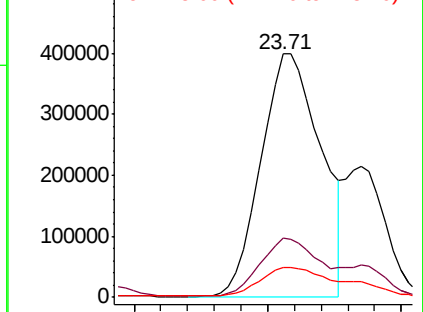


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 36.291 ng

RT: 23.71 min Scan# 3510

Delta R.T. -0.09 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

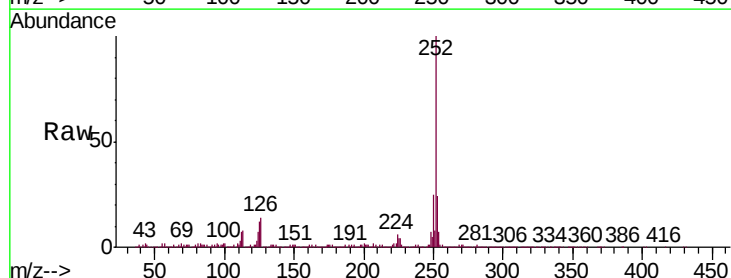
Tgt Ion:252 Resp: 1239245

Ion Ratio Lower Upper

252 100

253 24.2 19.4 29.2

125 12.4 9.9 14.9

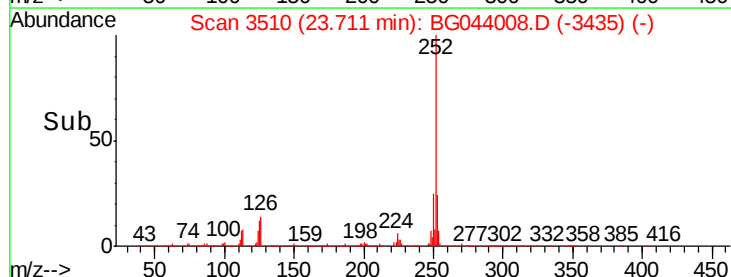
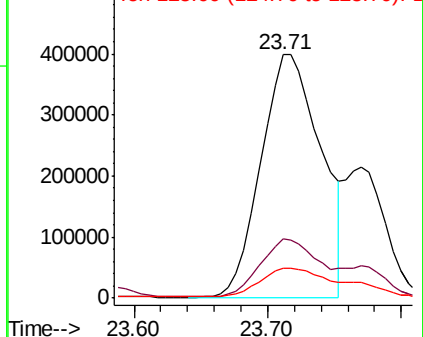


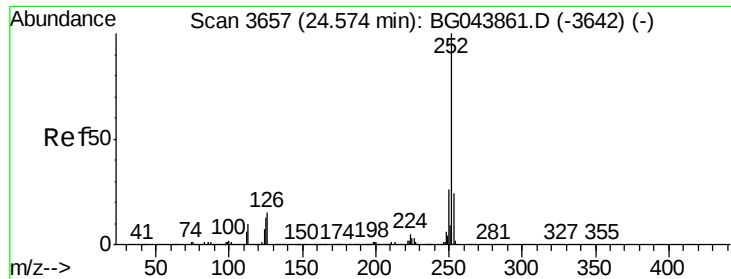
Abundance

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





#90

Benzo(a)pyrene

Concen: 25.180 ng

RT: 24.55 min Scan# 3653

Delta R.T. -0.02 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Instrument :

BNA_G

ClientSampleId :

AF-2

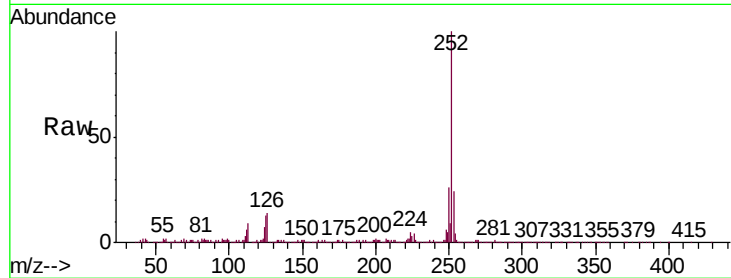
Tgt Ion:252 Resp: 853403

Ion Ratio Lower Upper

252 100

253 24.1 19.3 28.9

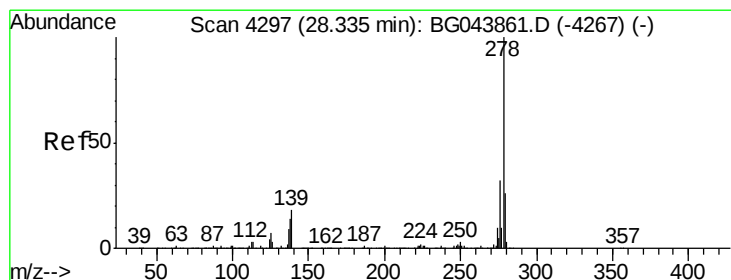
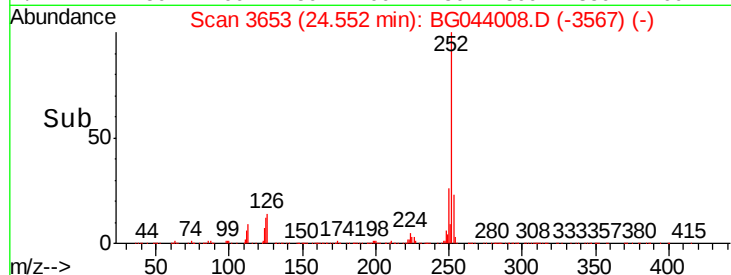
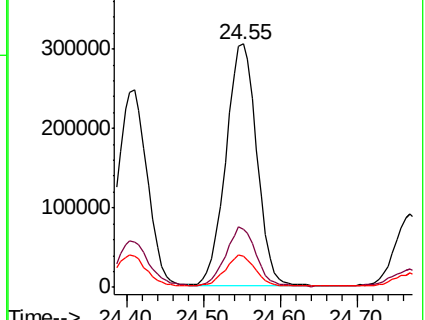
125 12.7 10.4 15.6



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



#91

Dibenzo(a,h)anthracene

Concen: 4.960 ng

RT: 28.26 min Scan# 4285

Delta R.T. -0.07 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

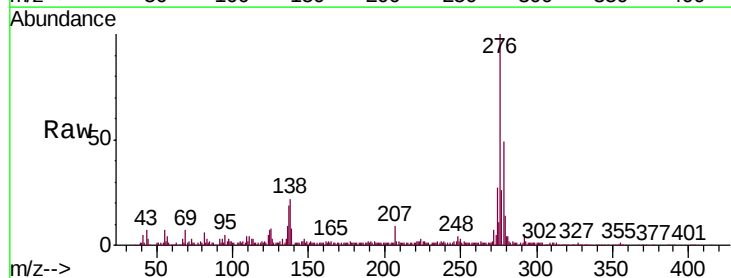
Tgt Ion:278 Resp: 168813

Ion Ratio Lower Upper

278 100

139 16.6 14.2 21.4

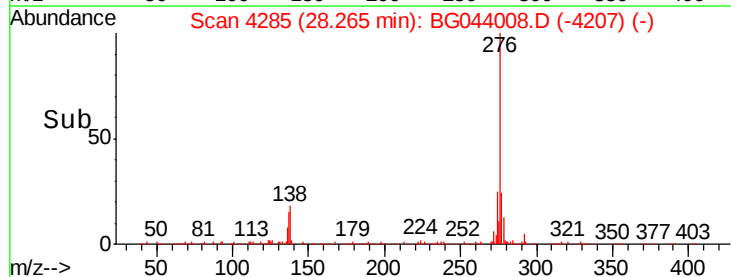
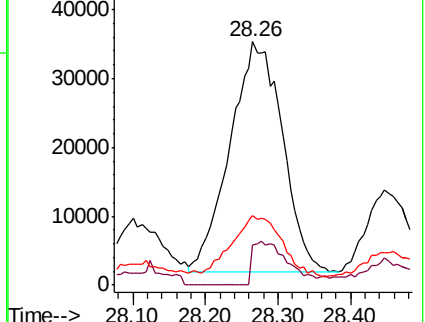
279 28.6 20.6 30.8

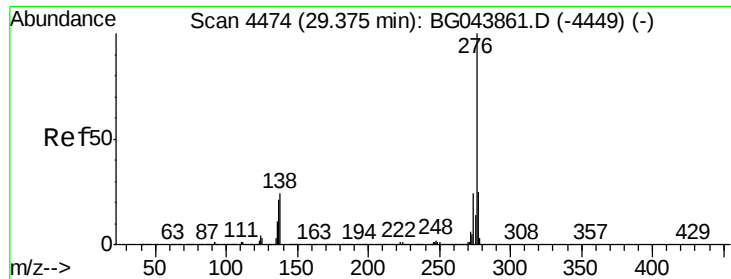


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 20.603 ng

RT: 29.33 min Scan# 4467

Delta R.T. -0.04 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Instrument :

BNA_G

ClientSampleId :

AF-2

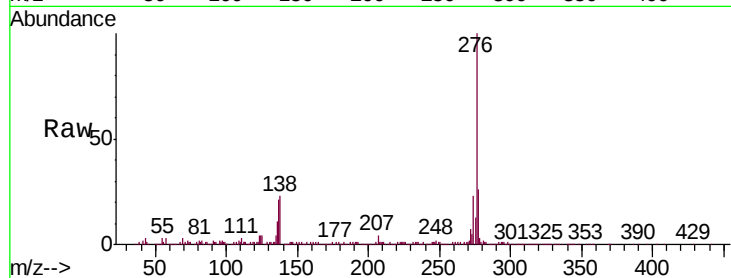
Tgt Ion: 276 Resp: 696594

Ion Ratio Lower Upper

276 100

277 25.9 20.2 30.4

138 23.4 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

