

Data File : BG044009.D
Acq On : 10 Jan 2020 19:59
Operator : JU
Sample : L1084-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AF-3

Quant Time: Jan 11 04:16:22 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	151592	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	613732	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	362065	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	689489	20.00	ng	-0.01
76) Chrysene-d12	21.58	240	563415	20.00	ng	-0.01
87) Perylene-d12	24.70	264	646688	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	403268	48.84	ng	0.00
7) Phenol-d6	7.12	99	594026	51.47	ng	0.00
23) Nitrobenzene-d5	9.11	82	357088	31.13	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	176590	46.61	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	797699	39.92	ng	-0.02
79) Terphenyl-d14	19.94	244	990616	33.95	ng	-0.02

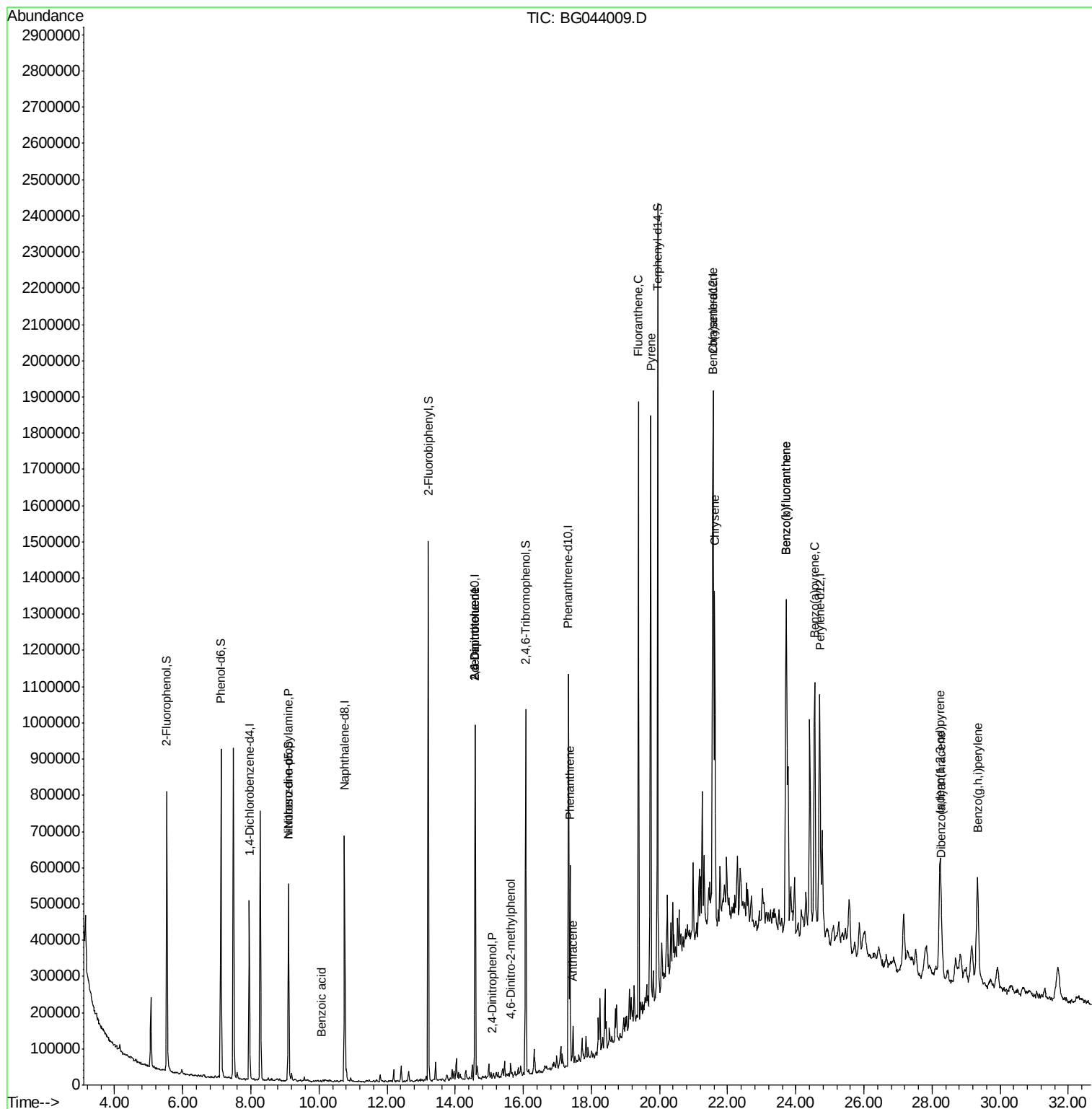
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.11	70	46181	5.373	ng	# 79
32) Benzoic acid	10.07	122	54	6.269	ng	# 27
51) 2,6-Dinitrotoluene	14.58	165	48872	8.411	ng	# 27
54) 2,4-Dinitrophenol	15.09	184	59	5.502	ng	# 20
57) 2,4-Dinitrotoluene	14.58	165	48872	6.181	ng	# 27
65) 4,6-Dinitro-2-methylphenol	15.63	198	63	4.406	ng	# 1
71) Phenanthrene	17.37	178	345745	10.455	ng	94
72) Anthracene	17.46	178	70772	2.165	ng	93
75) Fluoranthene	19.38	202	1000528	26.454	ng	98
78) Pyrene	19.74	202	1001723	27.238	ng	95
81) Benzo(a)anthracene	21.56	228	625919	17.916	ng	95
83) Chrysene	21.62	228	659877	19.878	ng	96
86) Indeno(1,2,3-cd)pyrene	28.24	276	574318	12.731	ng	94
88) Benzo(b)fluoranthene	23.72	252	1078149	28.201	ng	99
89) Benzo(k)fluoranthene	23.72	252	1078149	29.656	ng	99
90) Benzo(a)pyrene	24.55	252	700721	19.420	ng	100
91) Dibenzo(a,h)anthracene	28.28	278	143350	3.956	ng	98
92) Benzo(g,h,i)perylene	29.34	276	590888	16.416	ng	98

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

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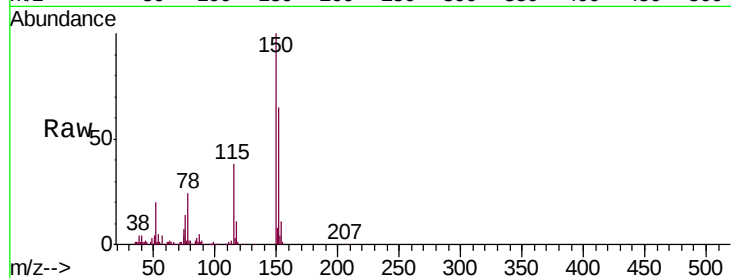


#1

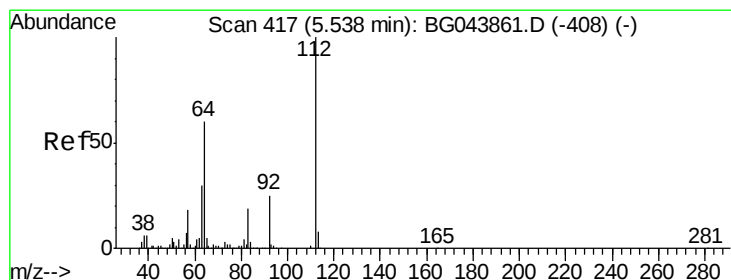
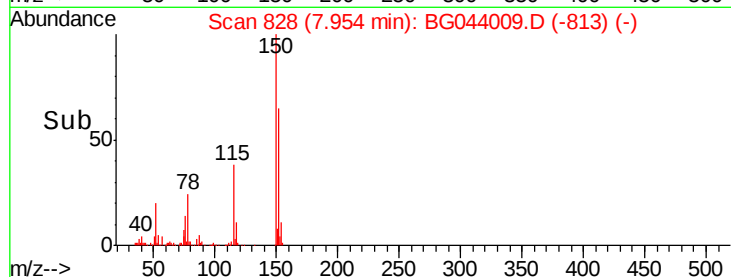
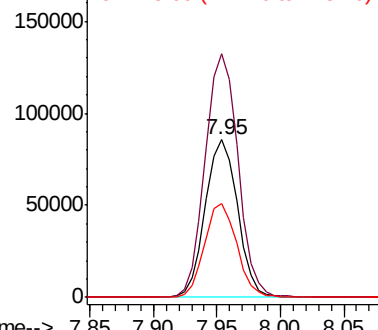
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Instrument :
BNA_G
ClientSampleId :
AF-3

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	127.0	190.4
115	59.4	47.8	71.8



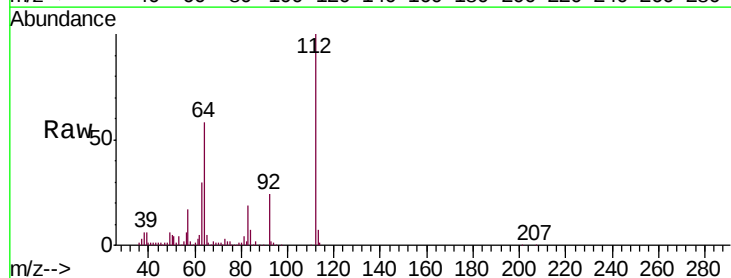
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



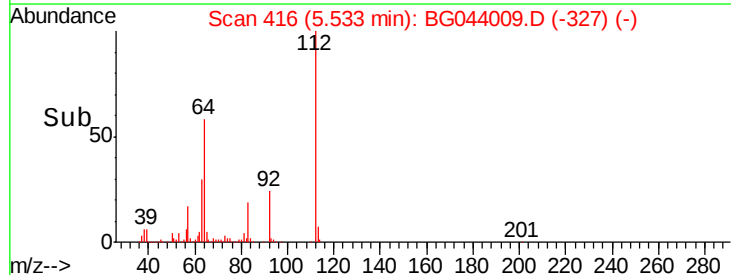
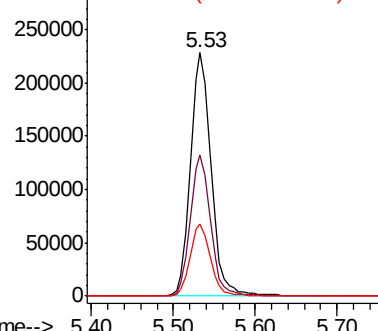
#5

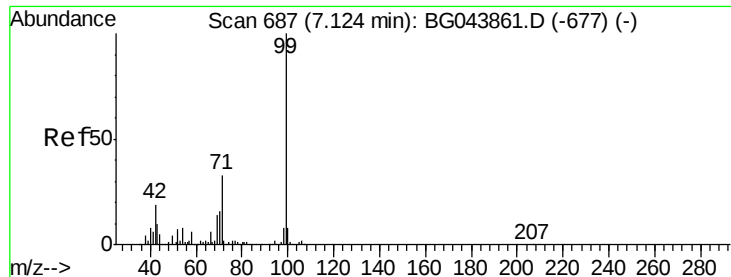
2-Fluorophenol
Concen: 48.845 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.8	71.6
63	29.8	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: 51.473 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Instrument :

BNA_G

ClientSampleId :

AF-3

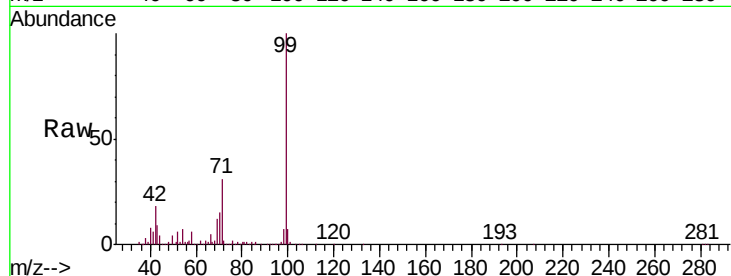
Tgt Ion: 99 Resp: 594026

Ion Ratio Lower Upper

99 100

42 17.7 14.9 22.3

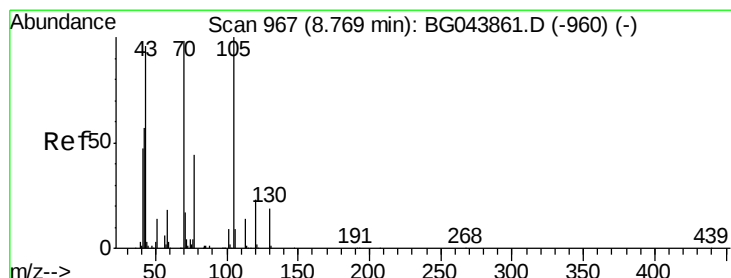
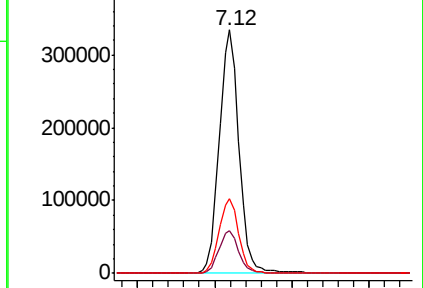
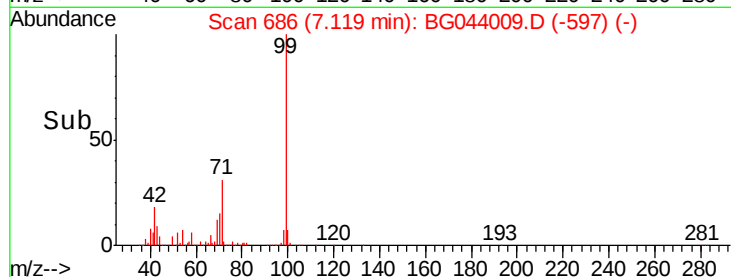
71 30.9 26.4 39.6



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: 5.373 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Tgt Ion: 70 Resp: 46181

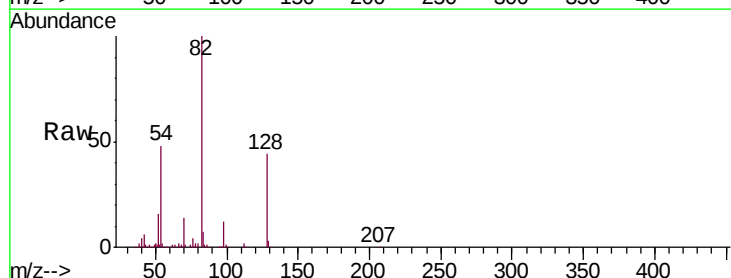
Ion Ratio Lower Upper

70 100

42 47.7 47.0 70.4

101 0.0 7.2 10.8#

130 2.2 15.6 23.4#

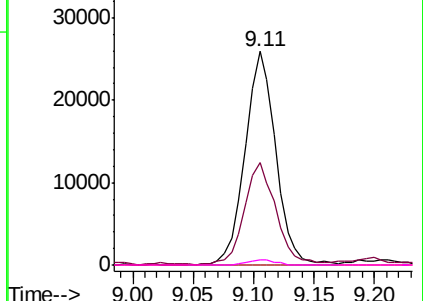
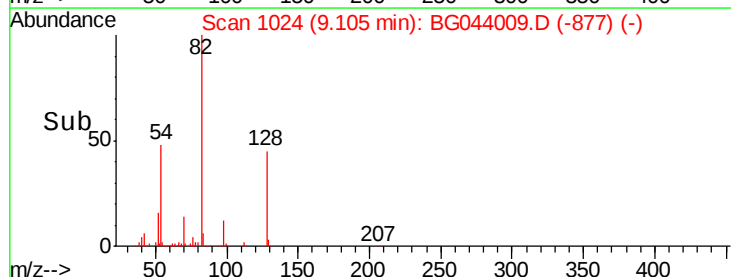


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

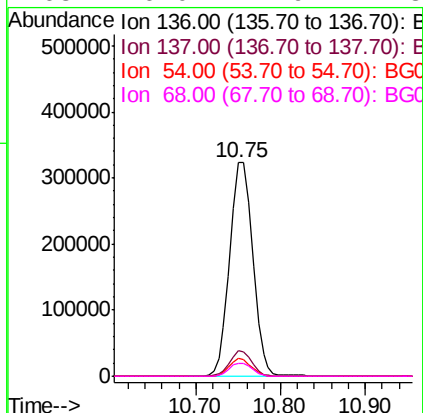
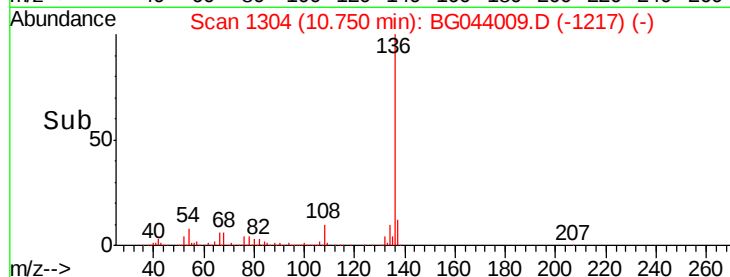
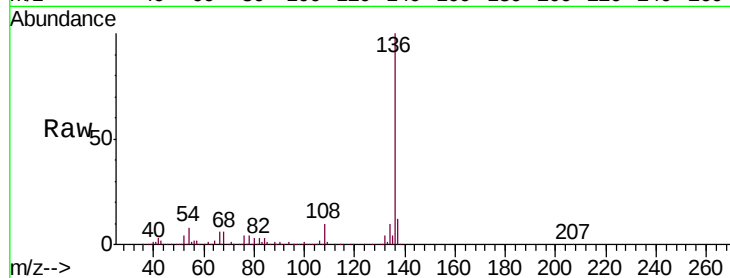




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

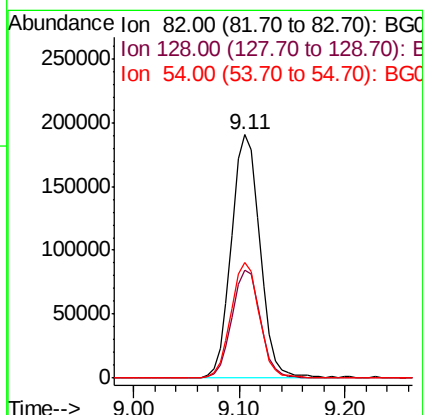
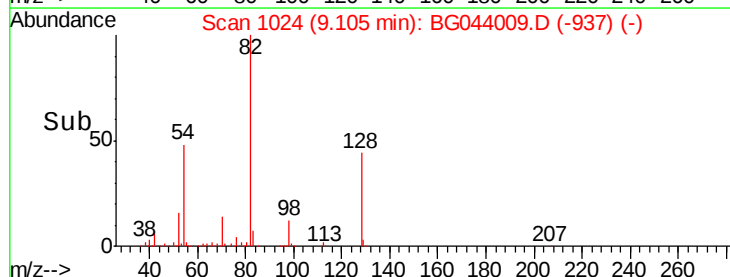
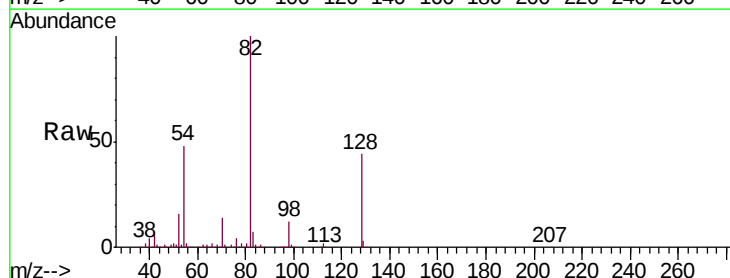
Instrument :
BNA_G
ClientSampled :
AF-3

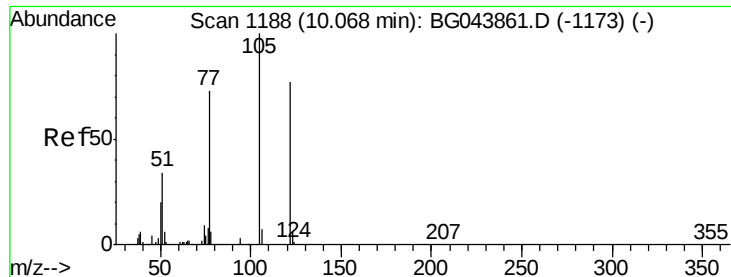
Tgt Ion:	136	Resp:	613732
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	8.3	7.0	10.4
68	6.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 31.126 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Tgt Ion:	82	Resp:	357088
Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.1	52.7
54	47.6	40.1	60.1

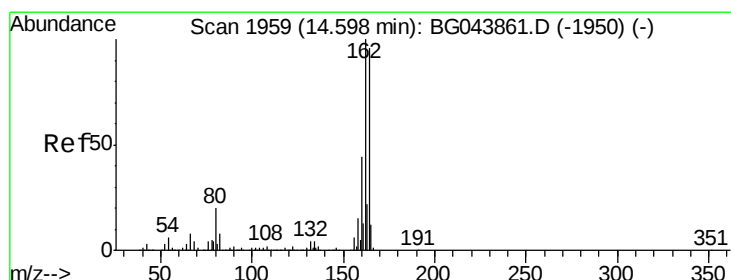
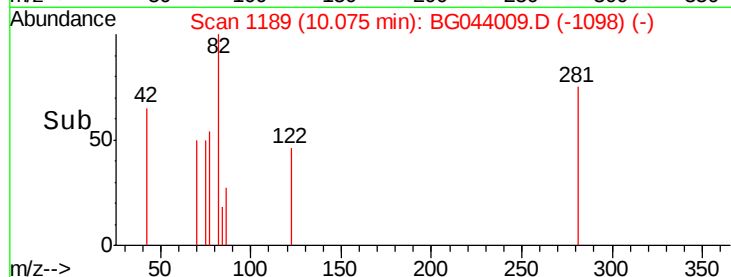
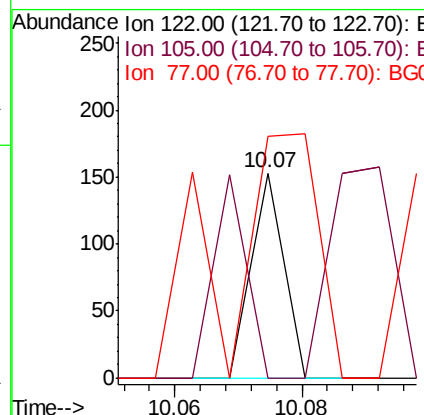
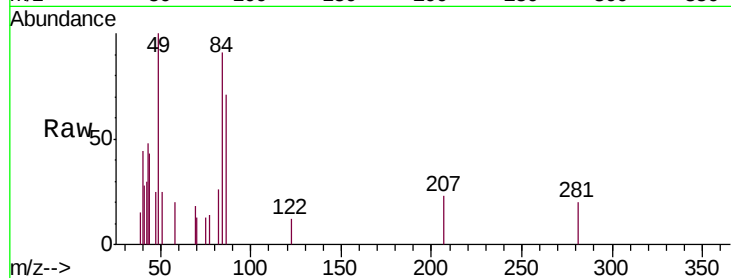




#32
Benzoic acid
Concen: 6.269 ng
RT: 10.07 min Scan# 1189
Delta R.T. 0.01 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

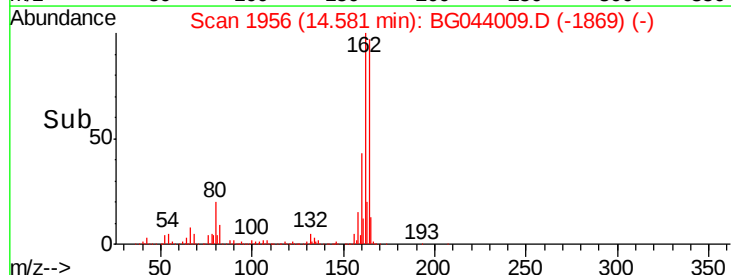
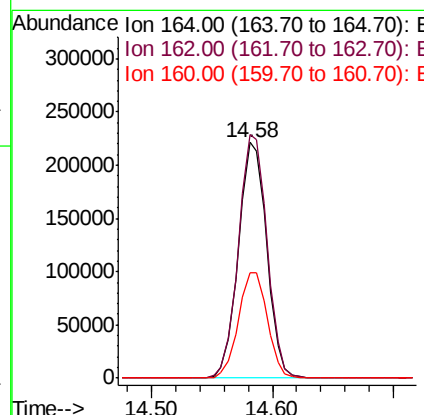
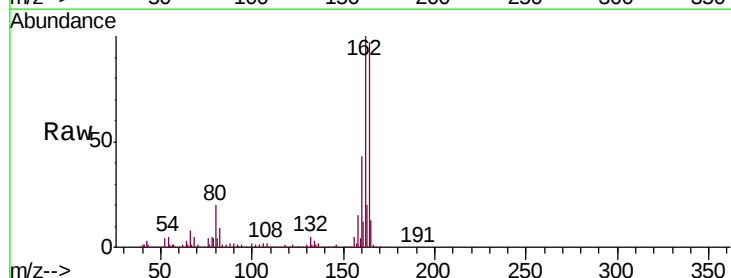
Instrument :
BNA_G
ClientSampleId :
AF-3

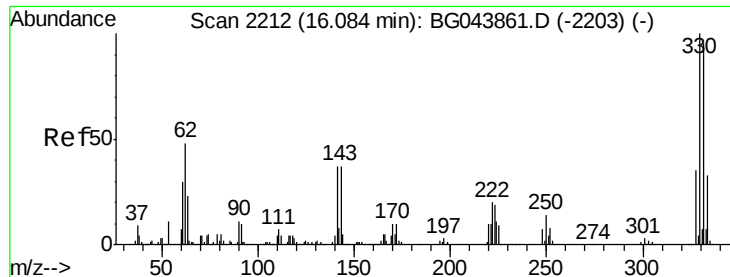
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	117.6	74.6	114.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.0	124.4
160	44.5	36.1	54.1

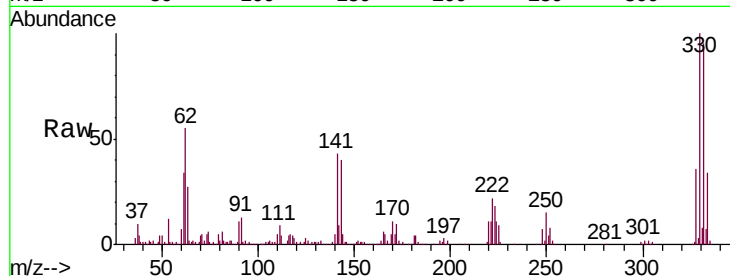




#42
 2,4,6-Tribromophenol
 Concen: 46.607 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044009.D
 Acq: 10 Jan 2020 19:59

Instrument :
 BNA_G
 ClientSampleId :
 AF-3

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.2	115.8
141	40.4	33.1	49.7

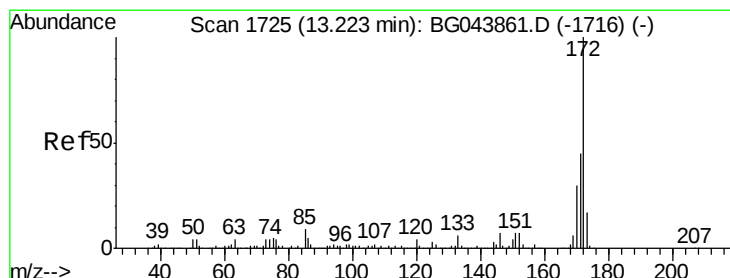
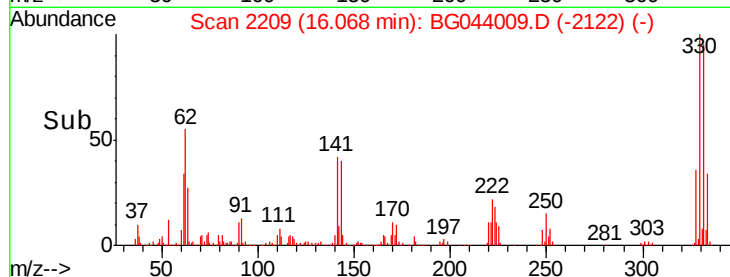
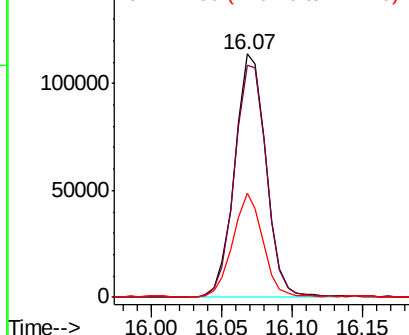


Abundance

Ion 329.80 (329.50 to 330.50): E

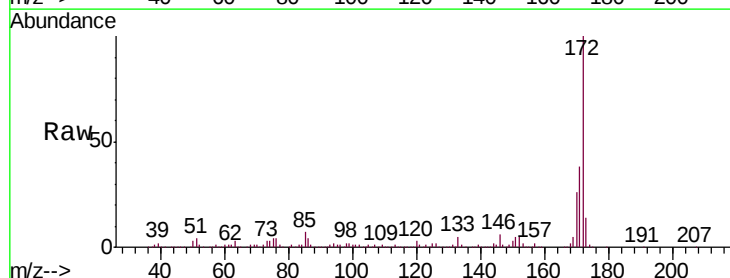
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 39.917 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG044009.D
 Acq: 10 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	35.8	53.8
170	26.1	24.2	36.4

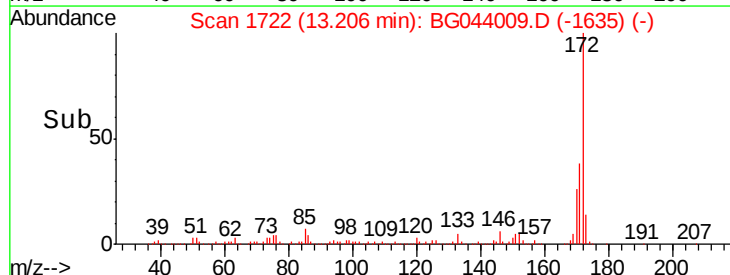
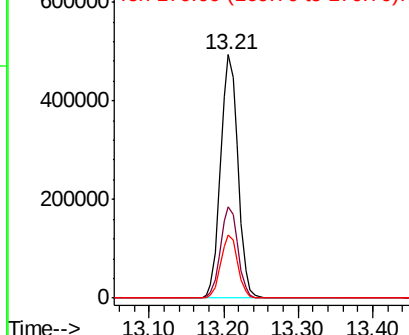


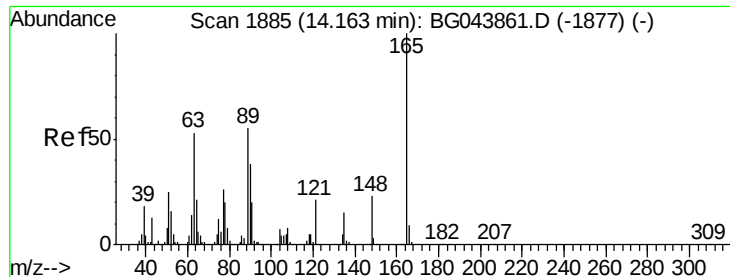
Abundance

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: 8.411 ng

RT: 14.58 min Scan# 1956

Delta R.T. 0.42 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Instrument :

BNA_G

ClientSampleId :

AF-3

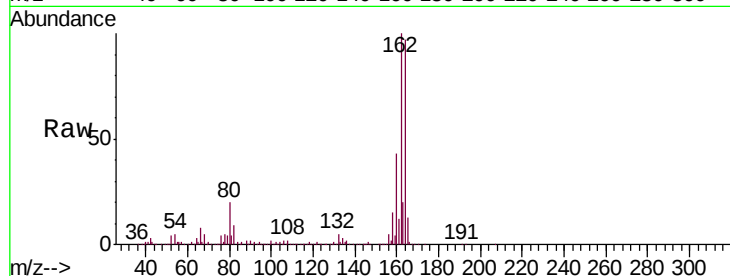
Tgt Ion:165 Resp: 48872

Ion Ratio Lower Upper

165 100

63 1.9 43.1 64.7#

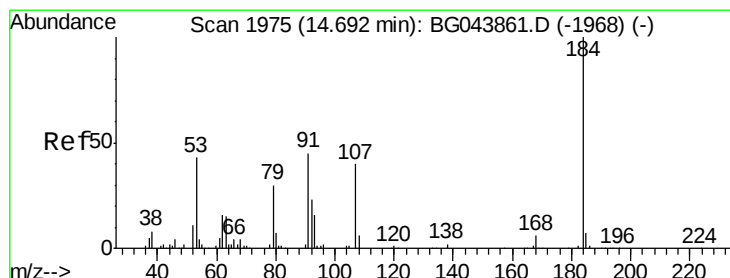
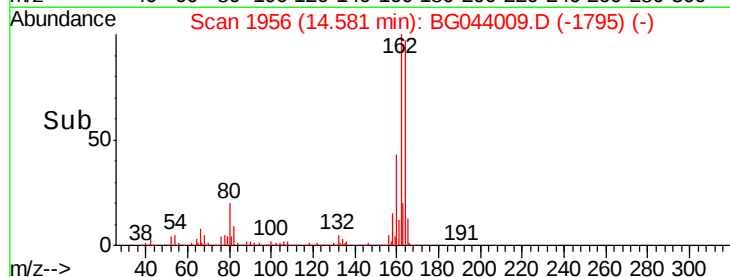
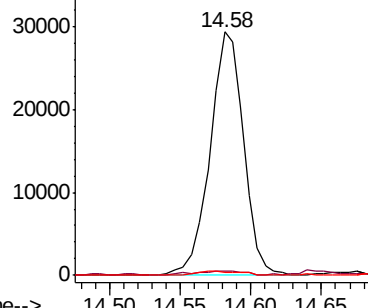
89 1.4 43.8 65.6#



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: 5.502 ng

RT: 15.09 min Scan# 2042

Delta R.T. 0.40 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

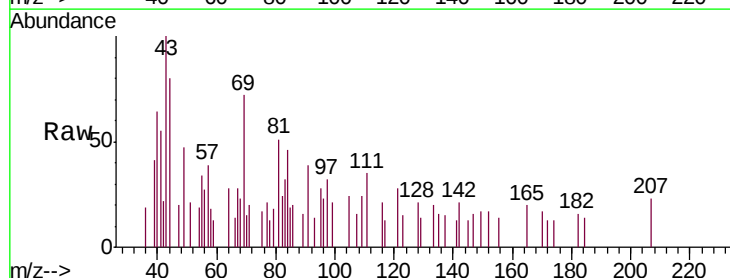
Tgt Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

63 0.0 46.6 70.0#

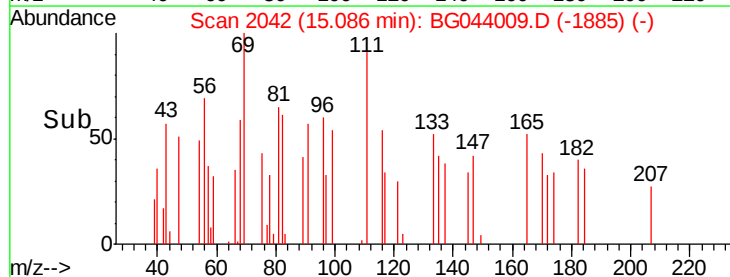
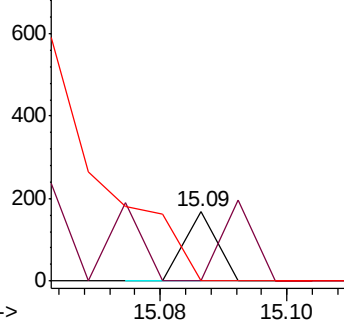
154 0.0 50.2 75.4#

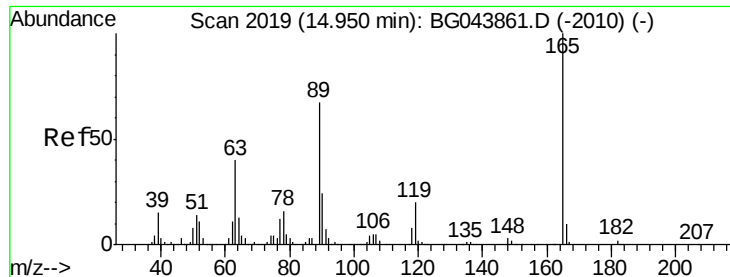


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

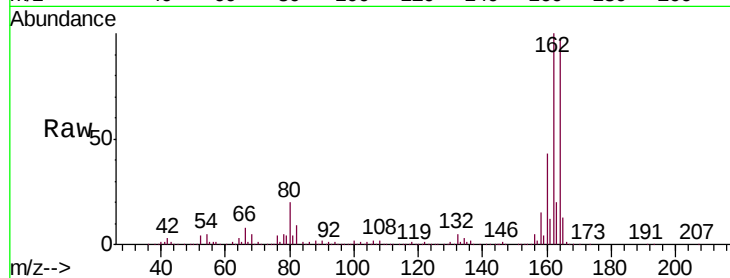




#57
 2,4-Dinitrotoluene
 Concen: 6.181 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.37 min
 Lab File: BG044009.D
 Acq: 10 Jan 2020 19:59

Instrument :
 BNA_G
 ClientSampleId :
 AF-3

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	31.9	47.9#
89	1.4	53.8	80.6#
182	0.0	2.0	3.0#



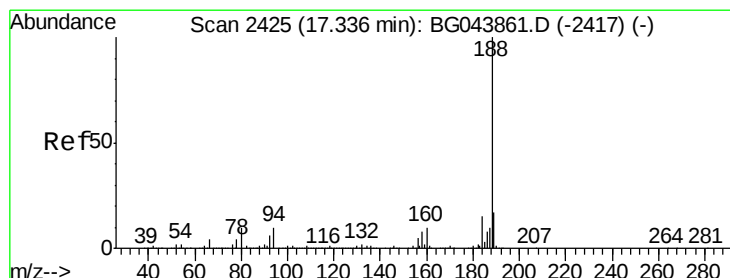
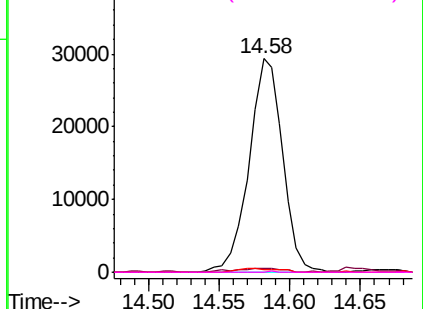
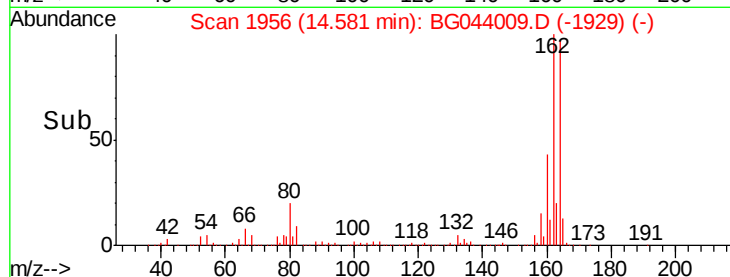
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

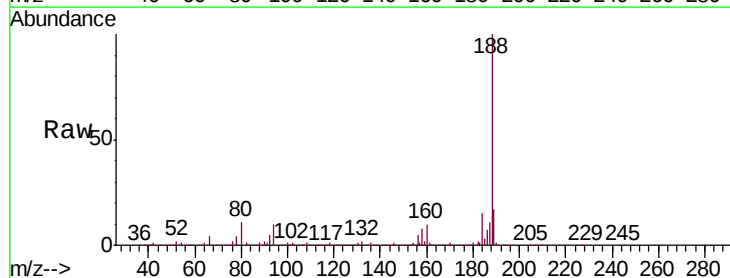
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG044009.D
 Acq: 10 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.9	11.9
80	10.9	8.2	12.4

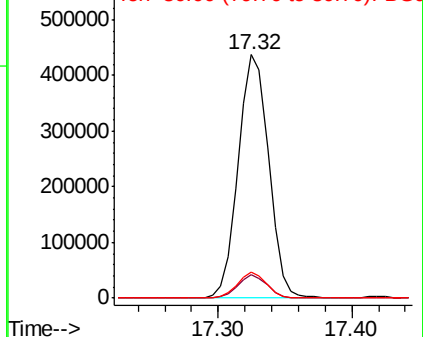
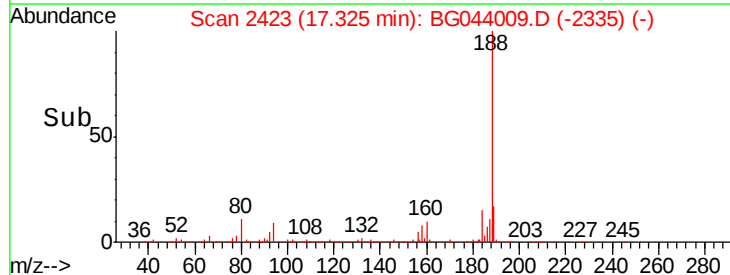


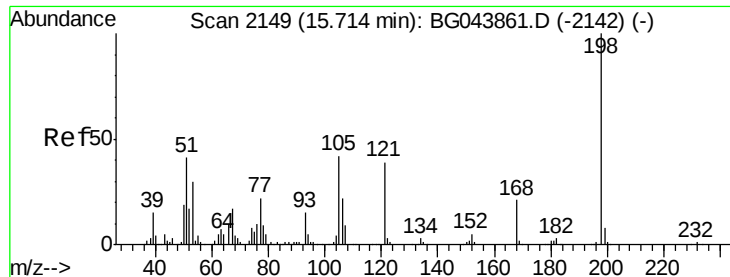
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

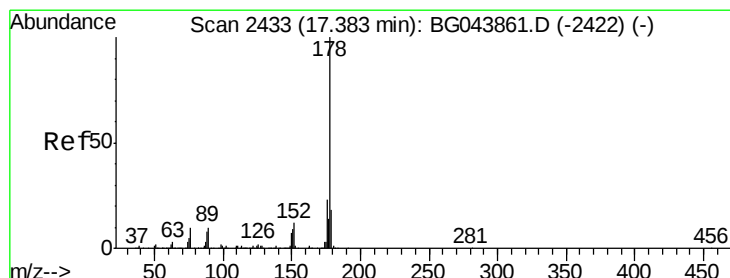
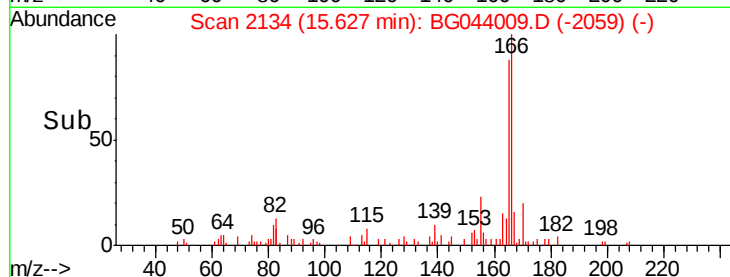
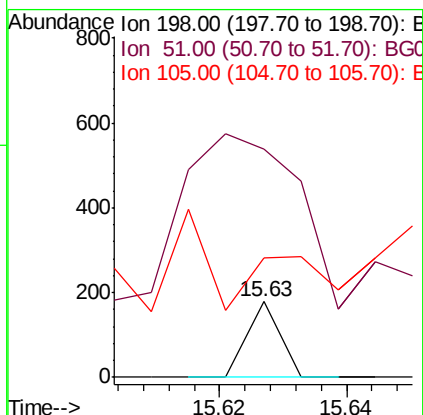
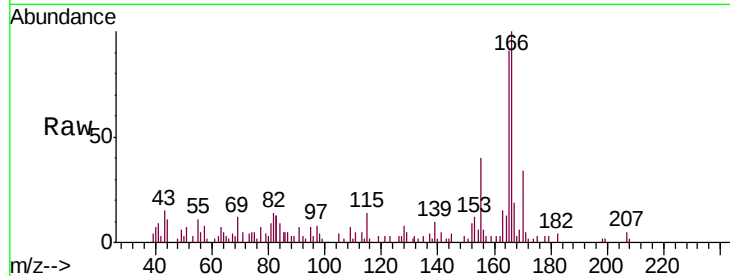




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.406 ng
 RT: 15.63 min Scan# 2134
 Delta R.T. -0.09 min
 Lab File: BG044009.D
 Acq: 10 Jan 2020 19:59

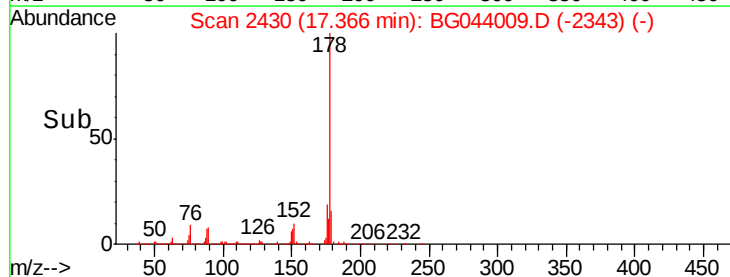
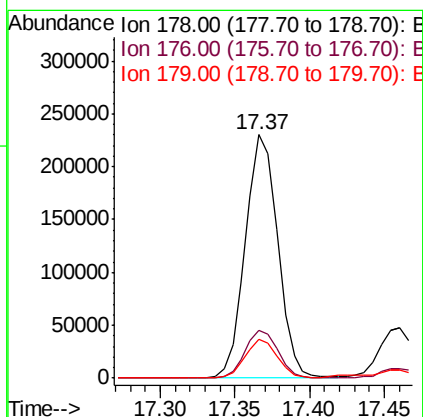
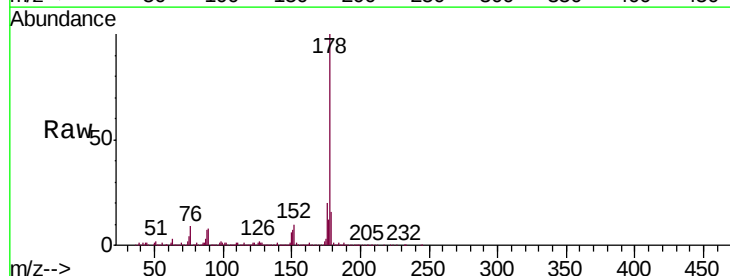
Instrument :
 BNA_G
 ClientSampled :
 AF-3

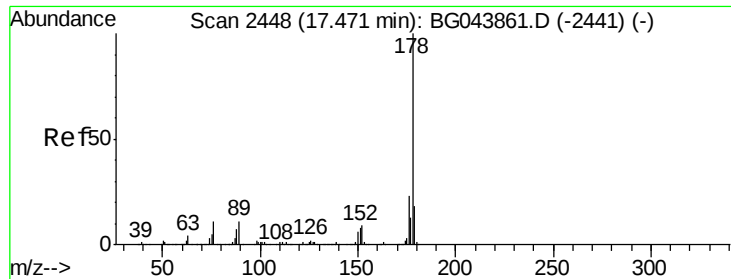
Tgt Ion:198 Resp: 63
 Ion Ratio Lower Upper
 198 100
 51 301.1 22.5 62.5#
 105 157.0 22.3 62.3#



#71
 Phenanthrene
 Concen: 10.455 ng
 RT: 17.37 min Scan# 2430
 Delta R.T. -0.02 min
 Lab File: BG044009.D
 Acq: 10 Jan 2020 19:59

Tgt Ion:178 Resp: 345745
 Ion Ratio Lower Upper
 178 100
 176 19.5 18.6 28.0
 179 16.2 14.4 21.6





#72

Anthracene

Concen: 2.165 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Instrument :

BNA_G

ClientSampleId :

AF-3

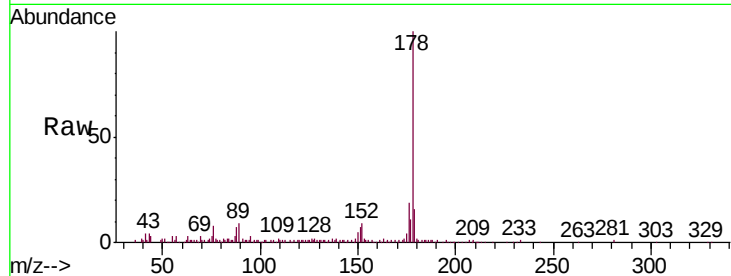
Tgt Ion:178 Resp: 70772

Ion Ratio Lower Upper

178 100

176 19.1 18.3 27.5

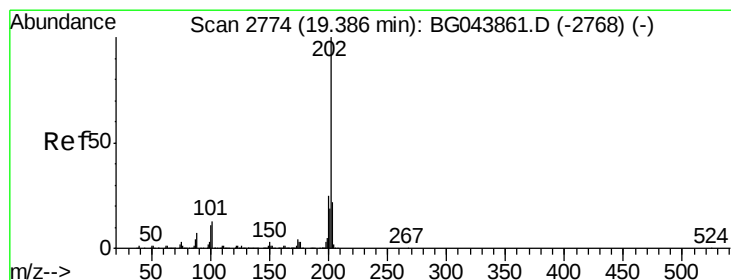
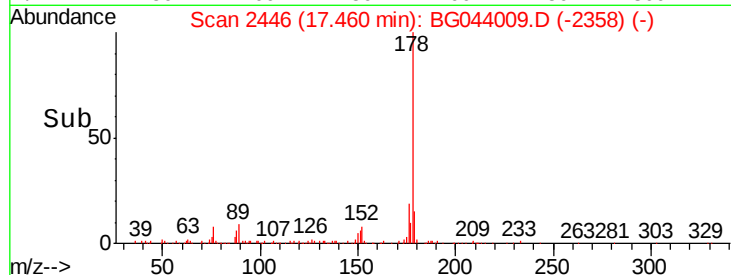
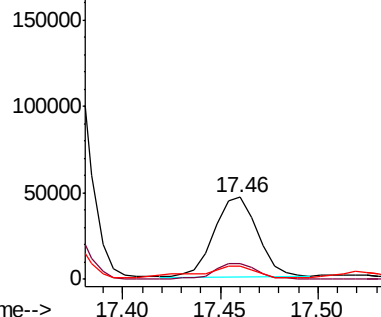
179 15.6 14.6 22.0



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: 26.454 ng

RT: 19.38 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

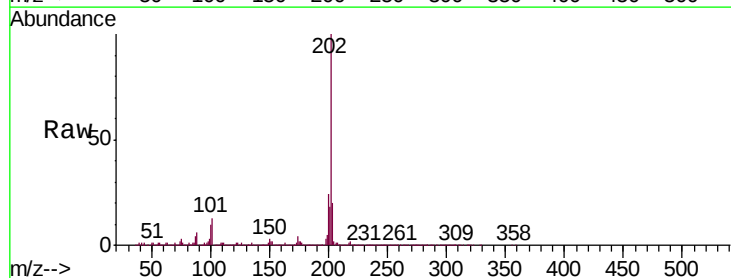
Tgt Ion:202 Resp: 1000528

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.3

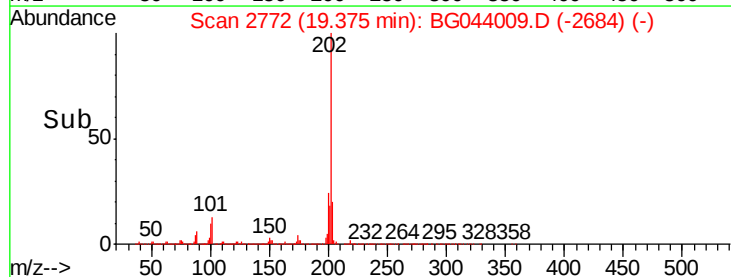
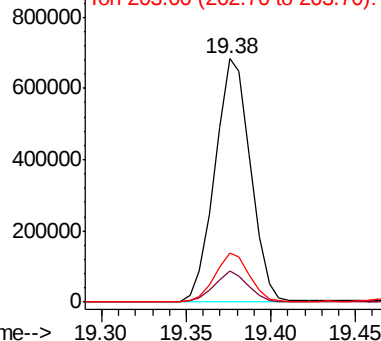
203 20.2 1.6 41.6

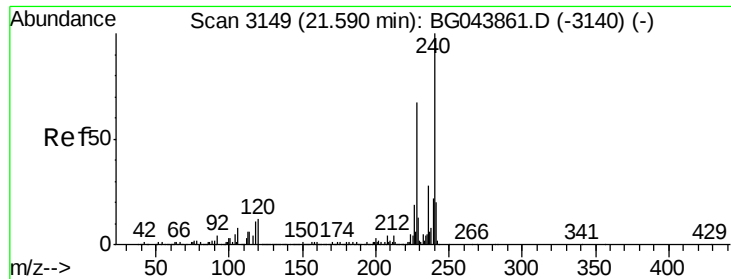


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

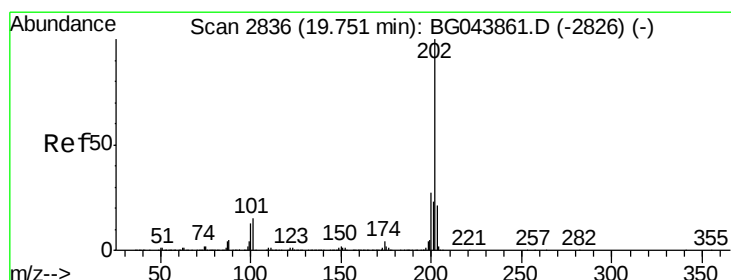
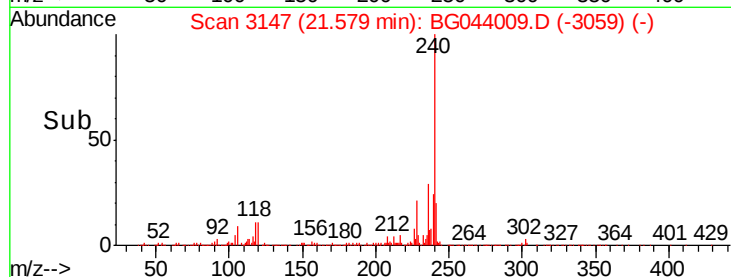
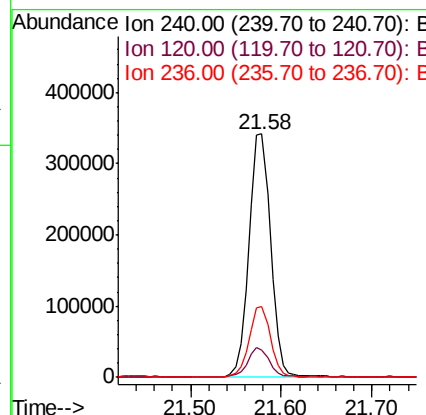
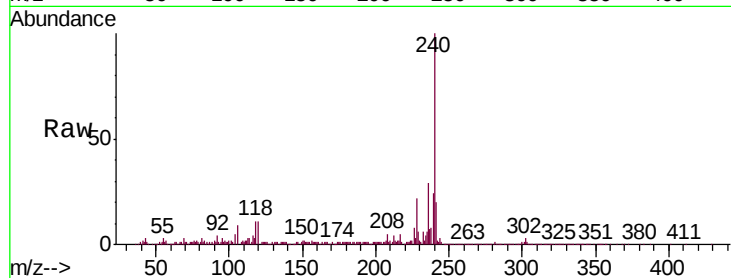




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

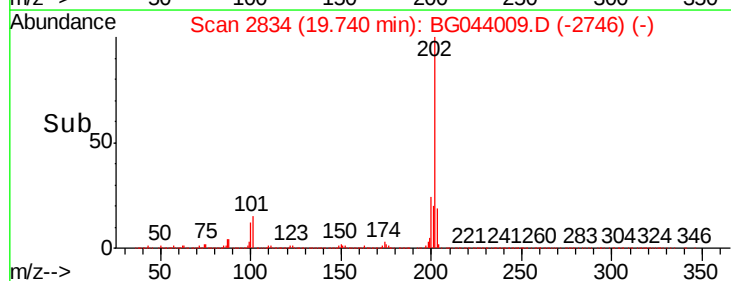
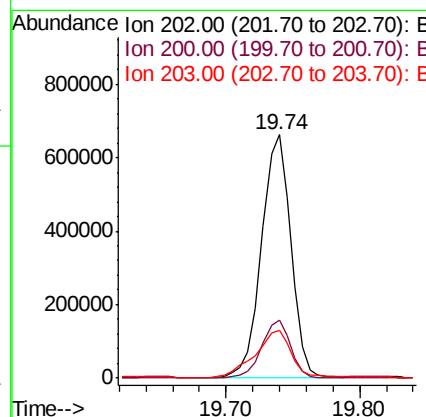
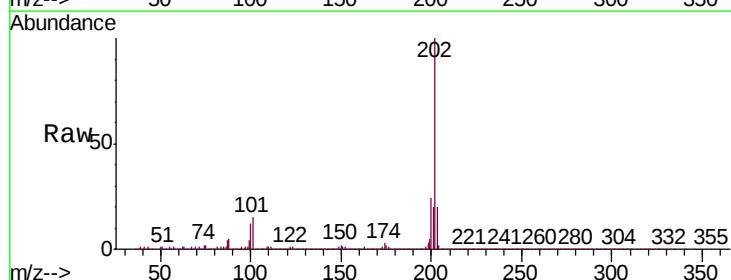
Instrument :
BNA_G
ClientSampleId :
AF-3

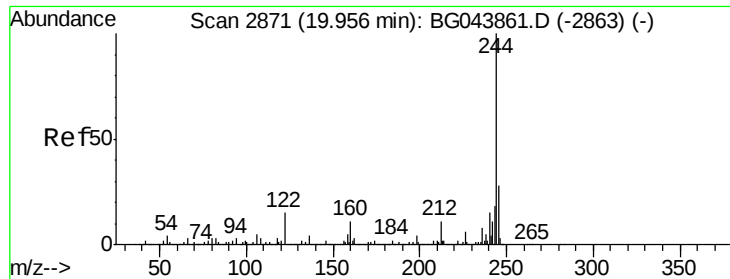
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	29.0	22.2	33.2



#78
Pyrene
Concen: 27.238 ng
RT: 19.74 min Scan# 2834
Delta R.T. -0.01 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.8	21.7	32.5
203	19.5	17.0	25.6





#79

Terphenyl-d14

Concen: 33.946 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Instrument :

BNA_G

ClientSampled :

AF-3

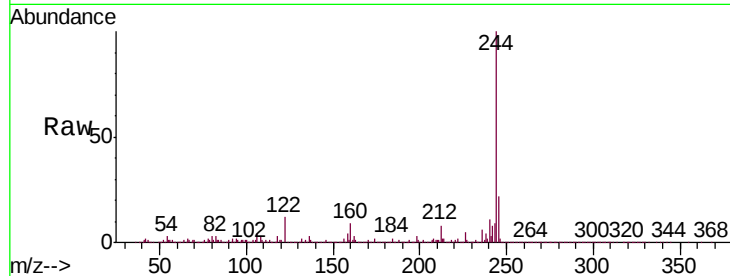
Tgt Ion:244 Resp: 990616

Ion Ratio Lower Upper

244 100

212 8.2 8.6 13.0#

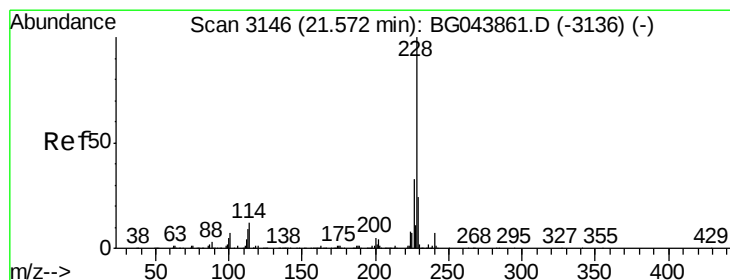
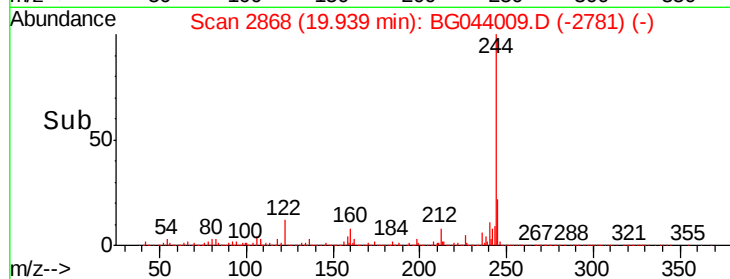
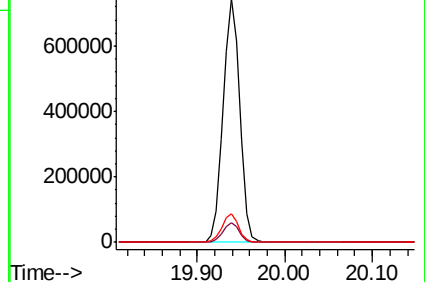
122 11.9 11.9 17.9#



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: 17.916 ng

RT: 21.56 min Scan# 3143

Delta R.T. -0.02 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

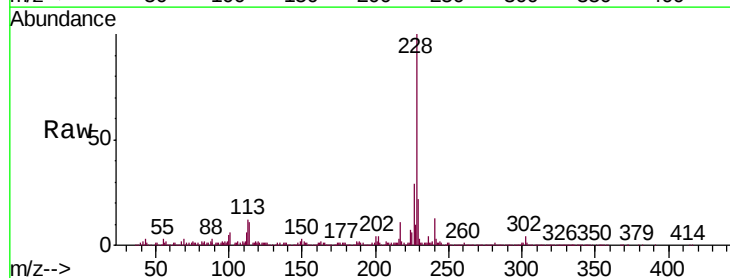
Tgt Ion:228 Resp: 625919

Ion Ratio Lower Upper

228 100

226 29.4 26.2 39.4

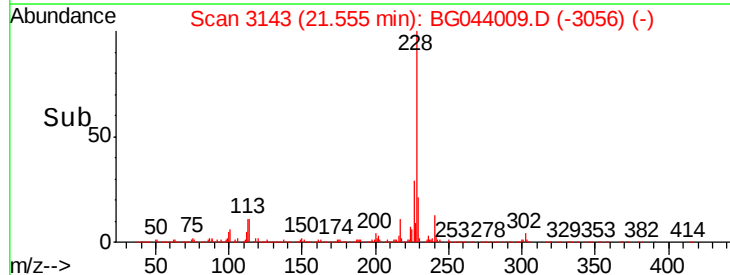
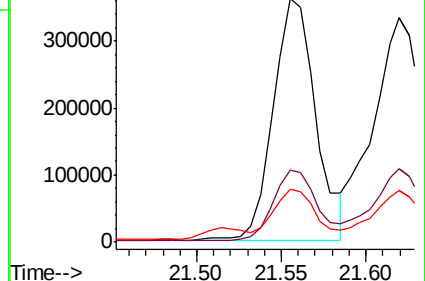
229 21.6 18.9 28.3

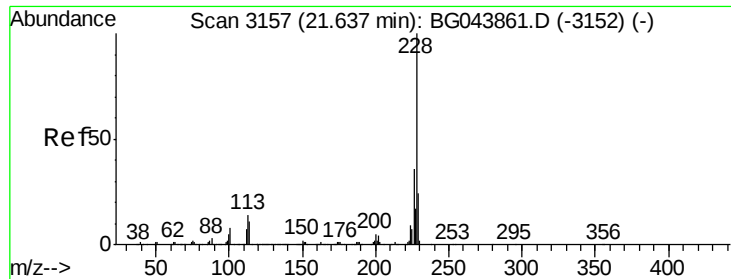


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 19.878 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Instrument :

BNA_G

ClientSampleId :

AF-3

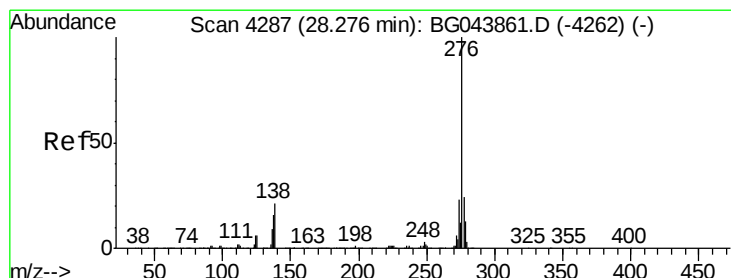
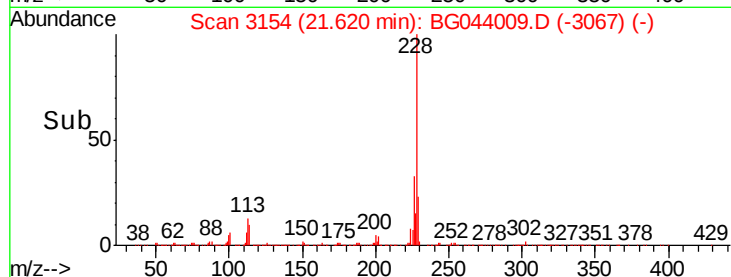
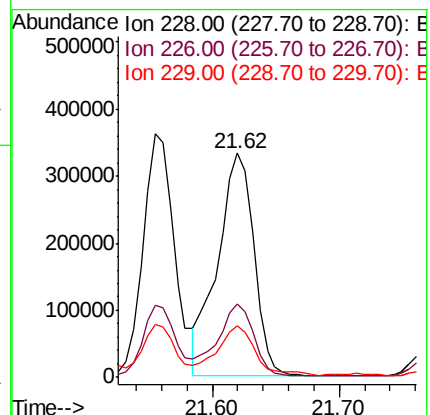
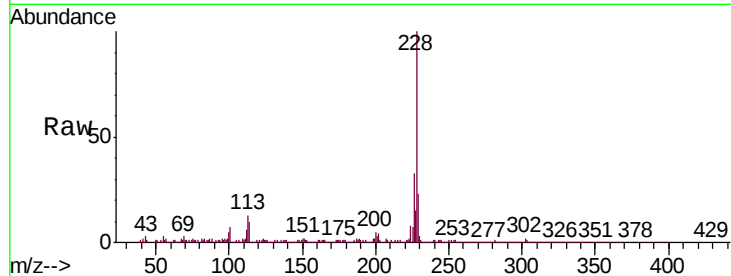
Tgt Ion:228 Resp: 659877

Ion Ratio Lower Upper

228 100

226 32.9 28.8 43.2

229 23.2 19.0 28.6



#86

Indeno(1,2,3-cd)pyrene

Concen: 12.731 ng

RT: 28.24 min Scan# 4280

Delta R.T. -0.04 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

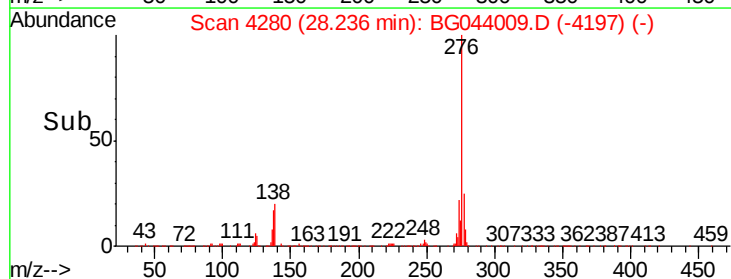
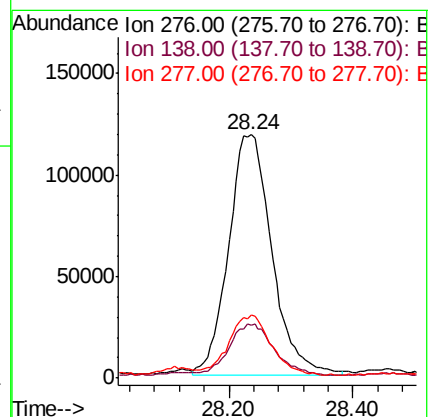
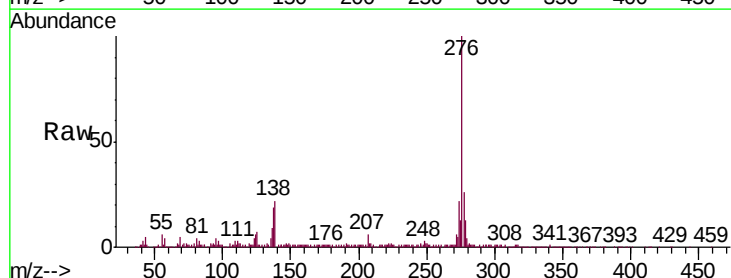
Tgt Ion:276 Resp: 574318

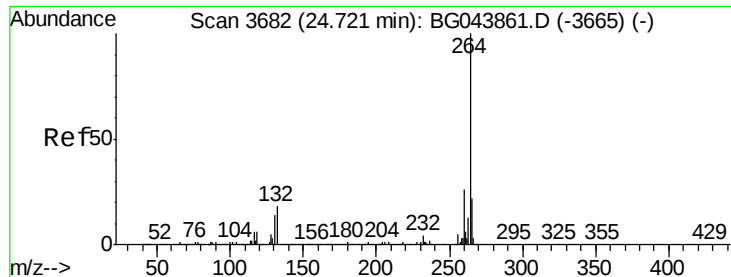
Ion Ratio Lower Upper

276 100

138 22.1 21.0 31.4

277 24.2 21.1 31.7





#87

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3678

Delta R.T. -0.02 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Instrument :

BNA_G

ClientSampleId :

AF-3

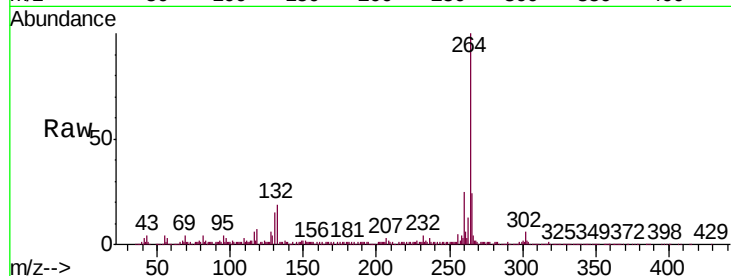
Tgt Ion:264 Resp: 646688

Ion Ratio Lower Upper

264 100

260 24.9 20.4 30.6

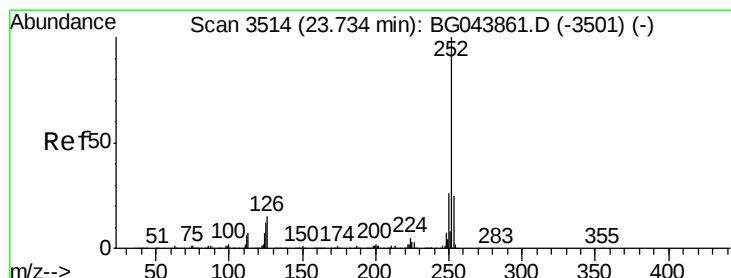
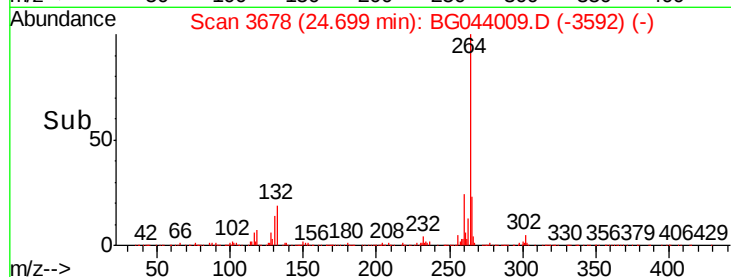
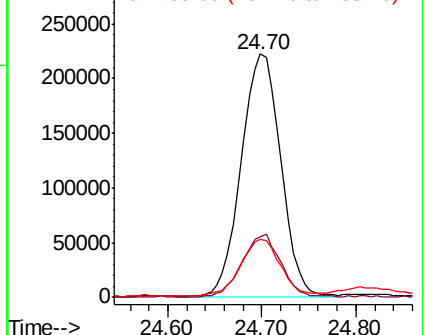
265 23.7 17.4 26.2



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: 28.201 ng

RT: 23.72 min Scan# 3511

Delta R.T. -0.02 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

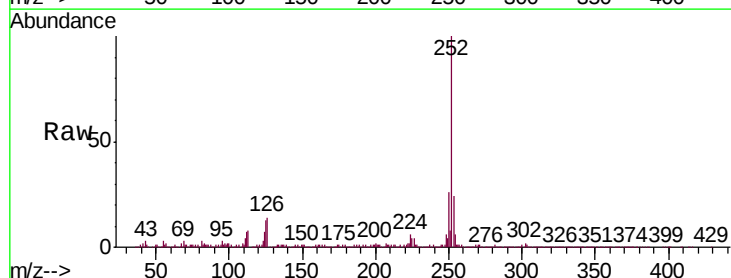
Tgt Ion:252 Resp: 1078149

Ion Ratio Lower Upper

252 100

253 23.9 19.7 29.5

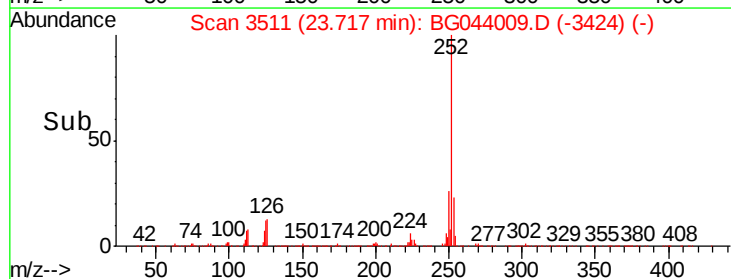
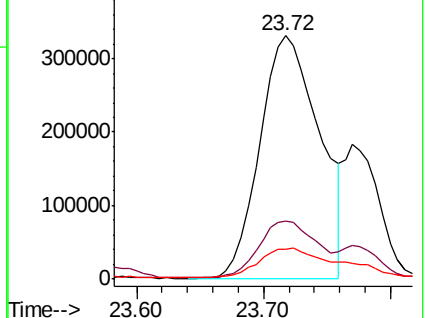
125 12.5 9.4 14.2

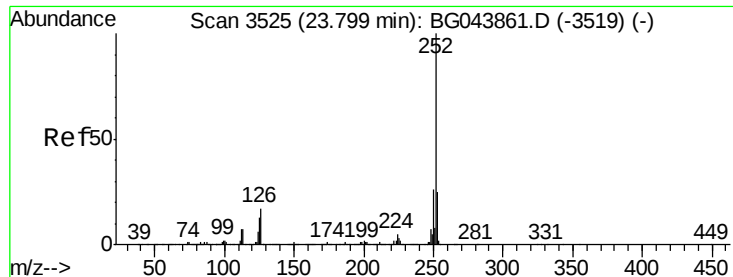


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

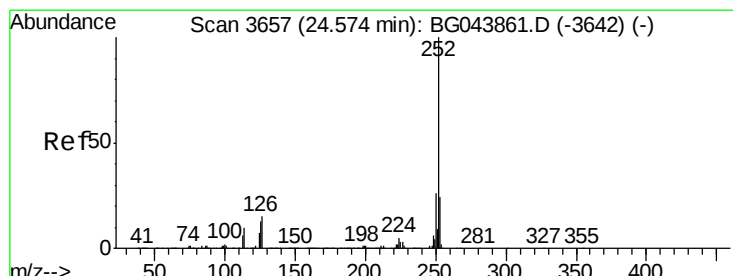
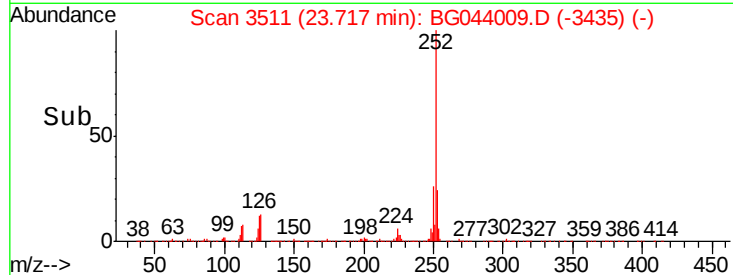
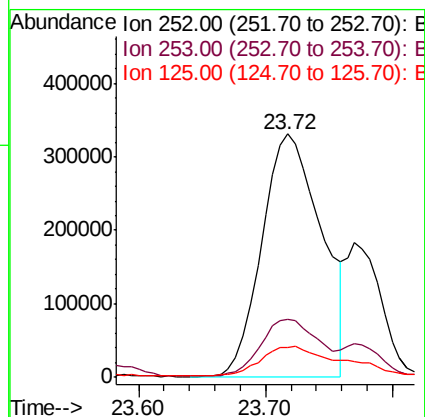
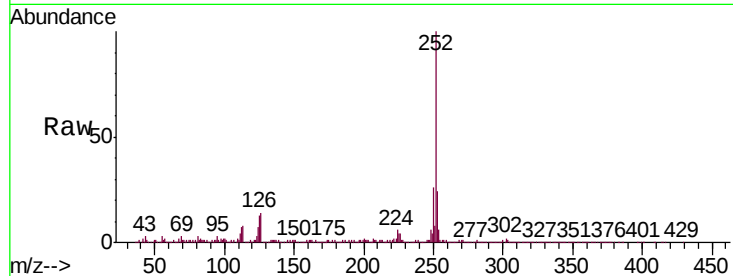




#89
Benzo(k)fluoranthene
Concen: 29.656 ng
RT: 23.72 min Scan# 3511
Delta R.T. -0.08 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

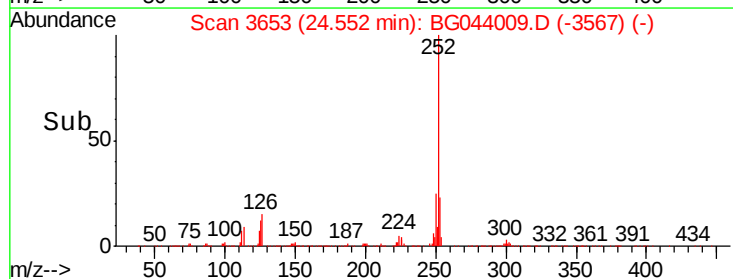
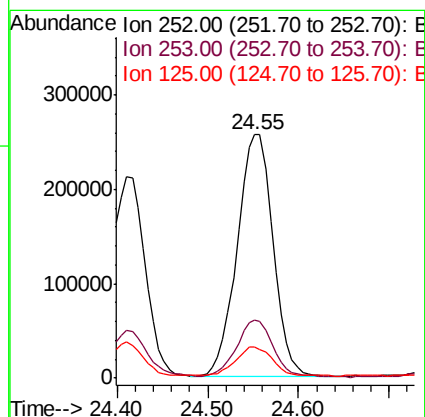
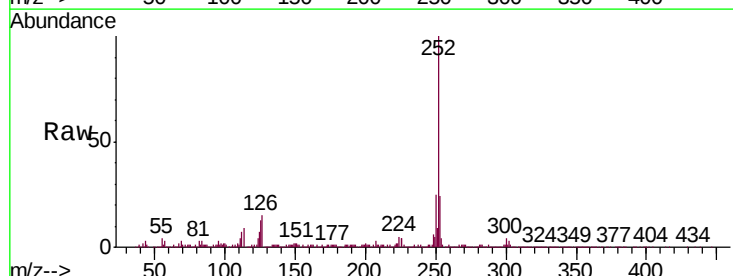
Instrument :
BNA_G
ClientSampleId :
AF-3

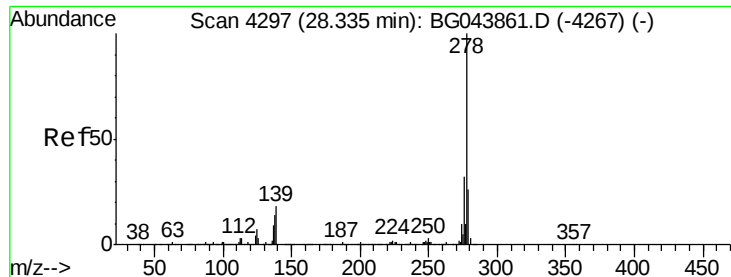
Tgt Ion:252 Resp: 1078149
Ion Ratio Lower Upper
252 100
253 23.9 19.4 29.2
125 12.5 9.9 14.9



#90
Benzo(a)pyrene
Concen: 19.420 ng
RT: 24.55 min Scan# 3653
Delta R.T. -0.02 min
Lab File: BG044009.D
Acq: 10 Jan 2020 19:59

Tgt Ion:252 Resp: 700721
Ion Ratio Lower Upper
252 100
253 24.0 19.3 28.9
125 12.8 10.4 15.6





#91

Dibenzo(a,h)anthracene

Concen: 3.956 ng

RT: 28.28 min Scan# 4287

Delta R.T. -0.06 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Instrument :

BNA_G

ClientSampleId :

AF-3

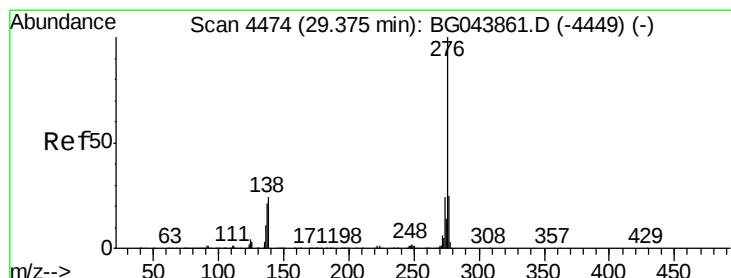
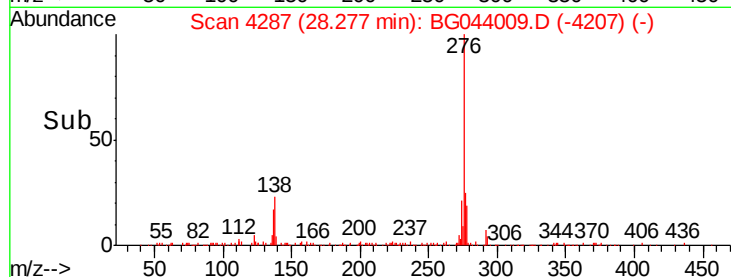
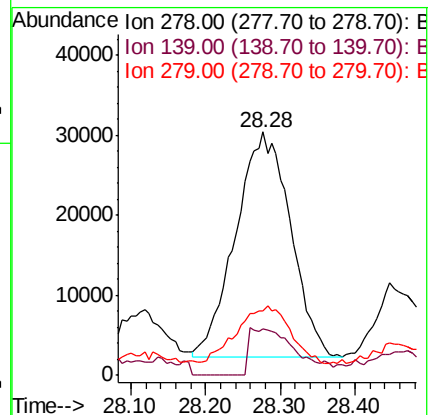
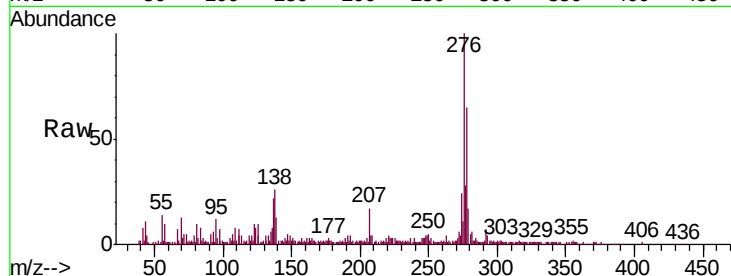
Tgt Ion: 278 Resp: 143350

Ion Ratio Lower Upper

278 100

139 19.4 14.2 21.4

279 26.6 20.6 30.8



#92

Benzo(g,h,i)perylene

Concen: 16.416 ng

RT: 29.34 min Scan# 4468

Delta R.T. -0.03 min

Lab File: BG044009.D

Acq: 10 Jan 2020 19:59

Tgt Ion: 276 Resp: 590888

Ion Ratio Lower Upper

276 100

277 24.4 20.2 30.4

138 22.7 19.0 28.6

