

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
 Data File : BG045172.D
 Acq On : 24 Apr 2020 22:23
 Operator : CG/JU
 Sample : L2401-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 00:22:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

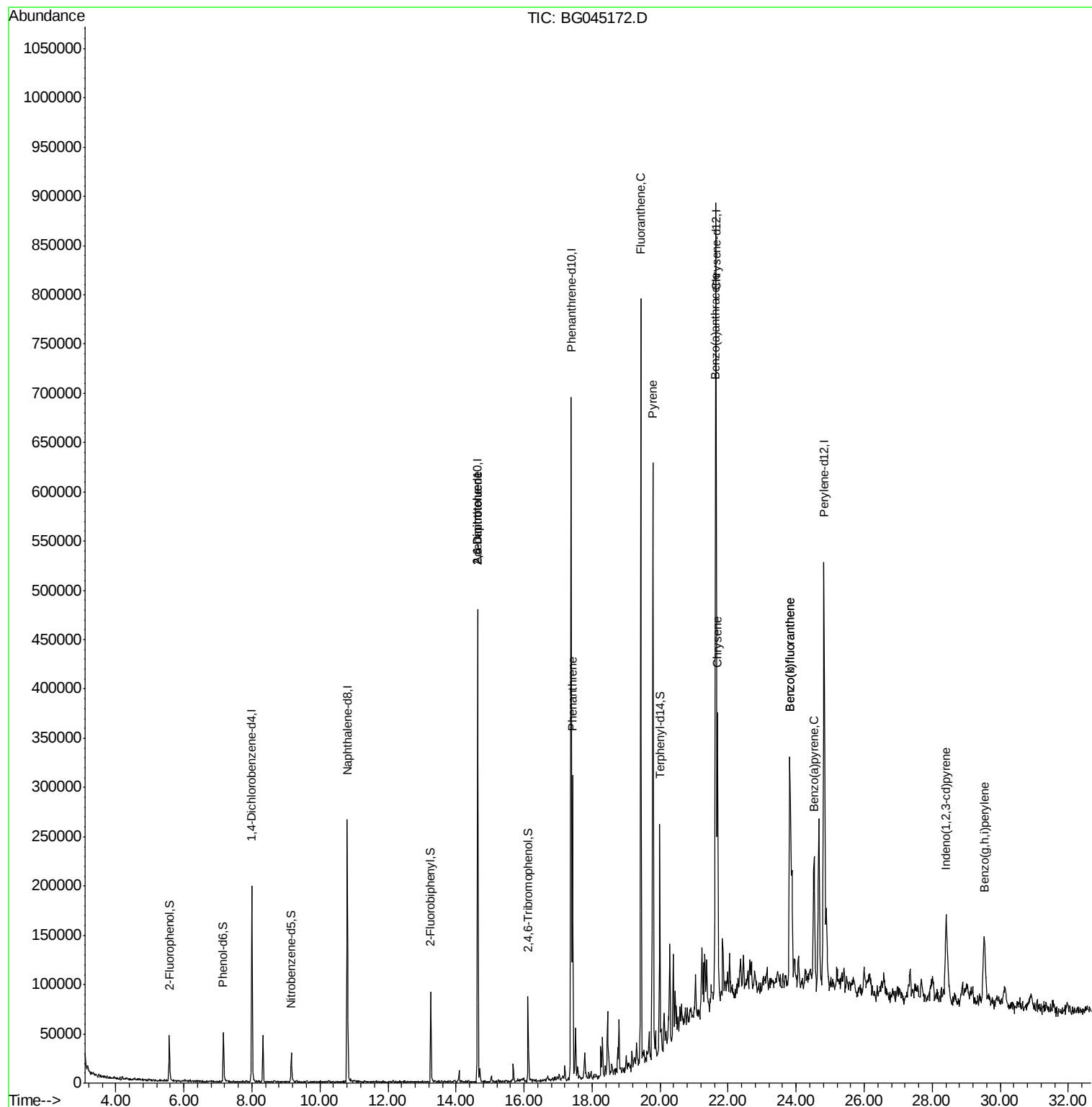
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	61946	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	242489	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	177715	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	450889	20.00	ng	0.00
76) Chrysene-d12	21.65	240	455580	20.00	ng	0.00
87) Perylene-d12	24.82	264	483350	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	23619	6.29	ng	0.00
7) Phenol-d6	7.16	99	34190	6.13	ng	0.00
23) Nitrobenzene-d5	9.16	82	21067	3.96	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	17402	6.34	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	55508	4.58	ng	0.00
79) Terphenyl-d14	19.99	244	116894	5.59	ng	0.00
Target Compounds						
9) Benzaldehyde	7.08	77	65	Below Cal	#	4
51) 2,6-Dinitrotoluene	14.64	165	23484	7.256 ng	#	25
57) 2,4-Dinitrotoluene	14.64	165	23484	4.965 ng	#	22
69) Atrazine	16.58	200	67	Below Cal	#	35
71) Phenanthrene	17.42	178	200910	8.671 ng		98
74) Di-n-butylphthalate	18.36	149	331	Below Cal	#	76
75) Fluoranthene	19.43	202	497452	14.018 ng		96
77) Benzydine	19.59	184	79	Below Cal	#	64
78) Pyrene	19.79	202	394749	12.568 ng		95
81) Benzo(a)anthracene	21.62	228	204322	6.920 ng		99
83) Chrysene	21.69	228	215677	7.602 ng		94
86) Indeno(1,2,3-cd)pyrene	28.40	276	162459	4.313 ng		97
88) Benzo(b)fluoranthene	23.81	252	315966	10.436 ng		98
89) Benzo(k)fluoranthene	23.81	252	315966	10.974 ng		98
90) Benzo(a)pyrene	24.52	252	151616	5.304 ng		100
92) Benzo(g,h,i)perylene	29.53	276	155579	5.387 ng		99

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

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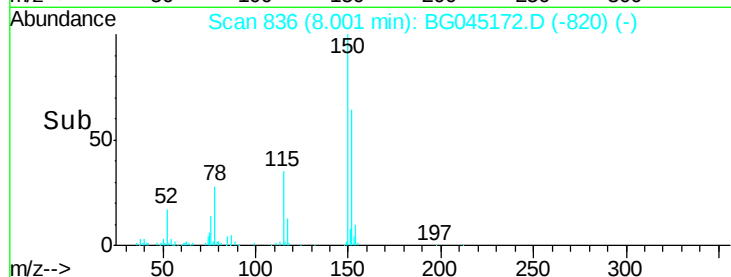
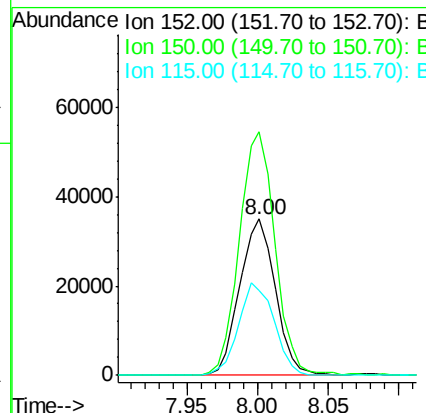
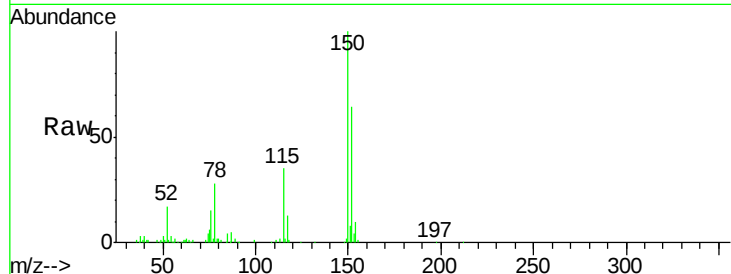


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Instrument :
BNA_G
ClientSampleId :

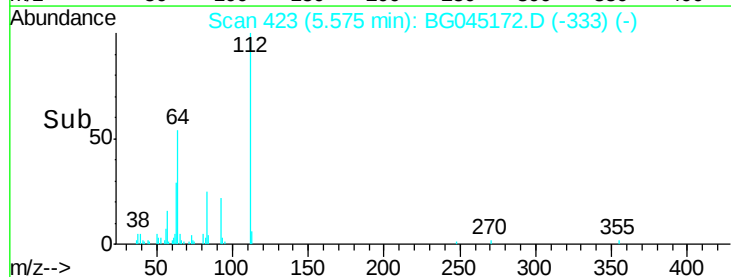
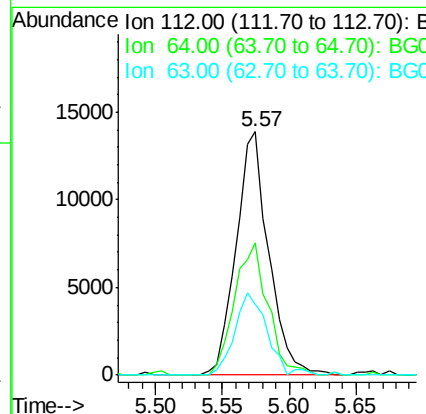
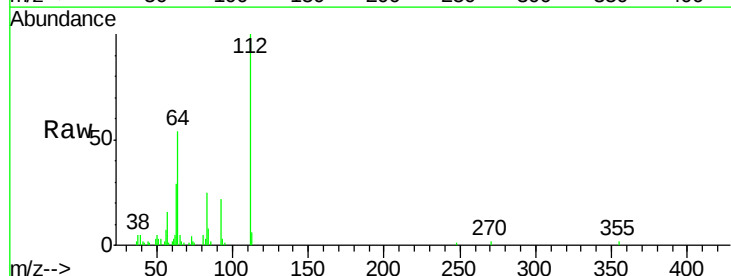
Tot Ion:152 Resp: 61946
Ion Ratio Lower Upper
152 100
150 156.1 123.6 185.4
115 54.5 49.1 73.7

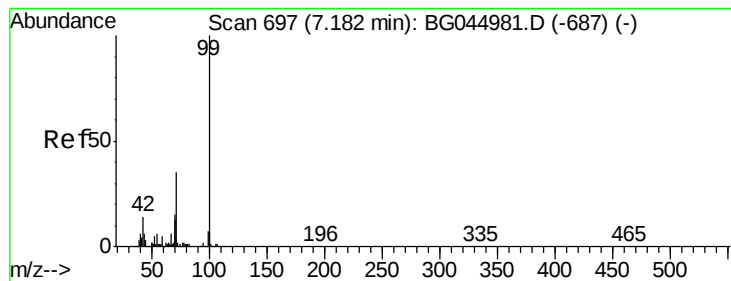


#5

2-Fluorophenol
Concen: 6.295 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Tgt Ion:112 Resp: 23619
Ion Ratio Lower Upper
112 100
64 54.3 42.4 63.6
63 29.0 23.1 34.7





#7

Phenol-d6

Concen: 6.133 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

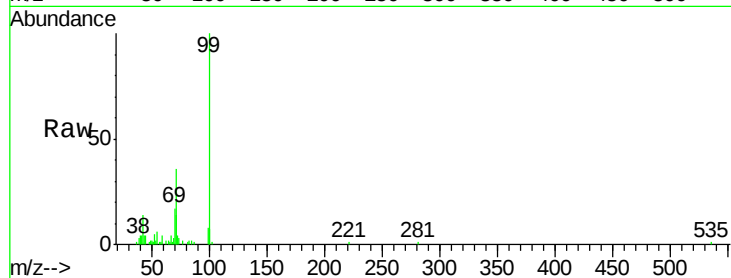
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 34190

Ion	Ratio	Lower	Upper
99	100		
42	13.5	11.3	16.9
71	36.3	28.3	42.5

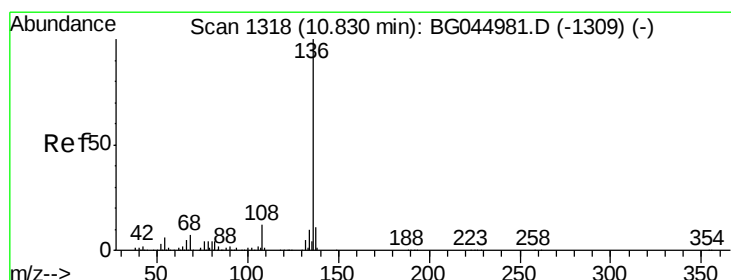
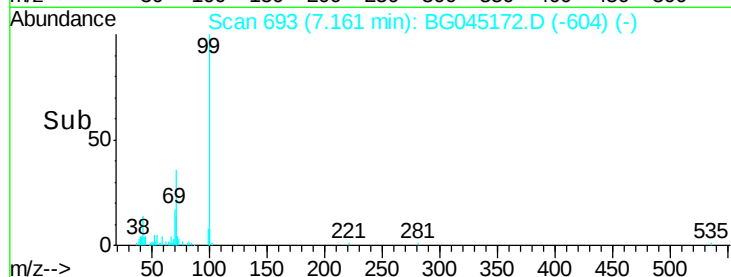
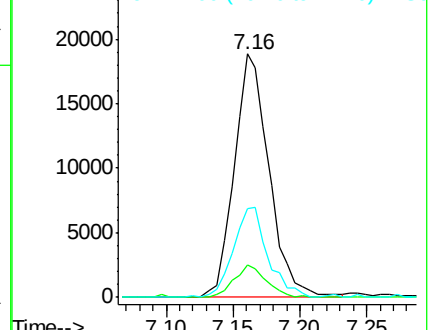


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

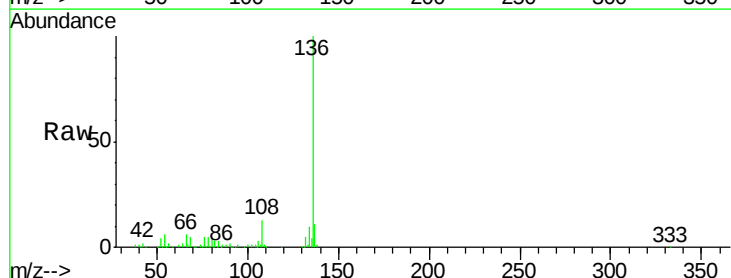
Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Tgt Ion: 136 Resp: 242489

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	6.3	4.8	7.2
68	5.4	5.2	7.8



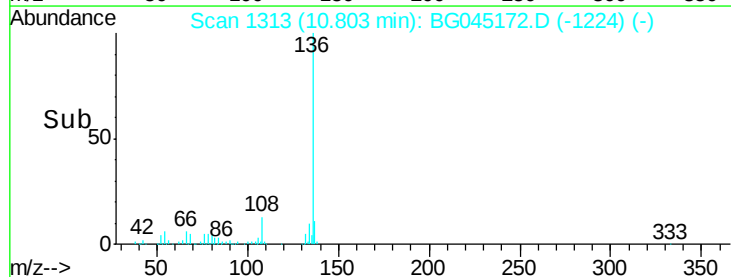
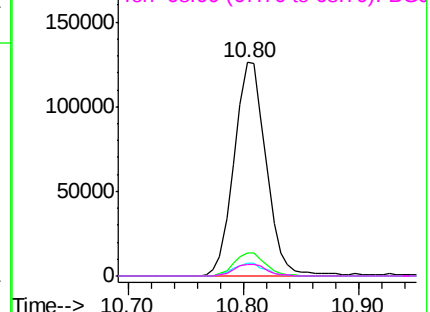
Abundance

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

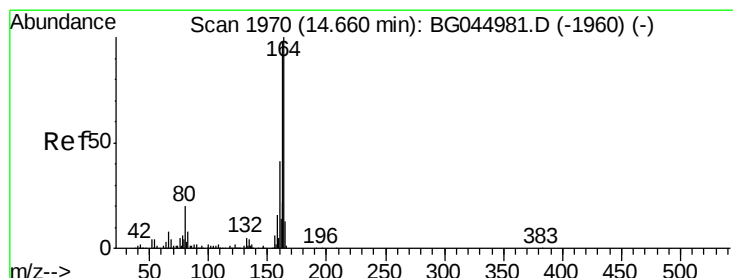
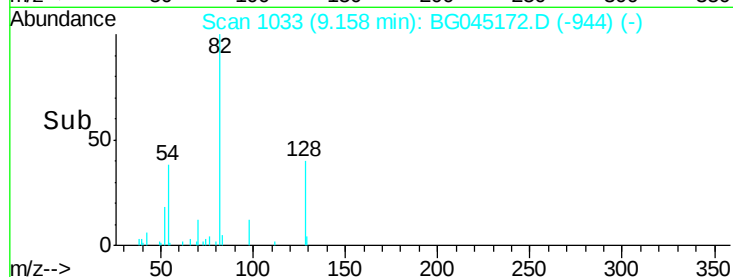
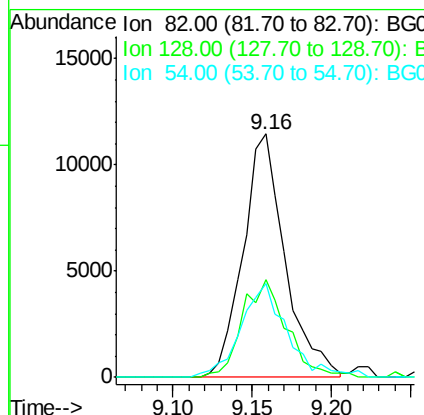
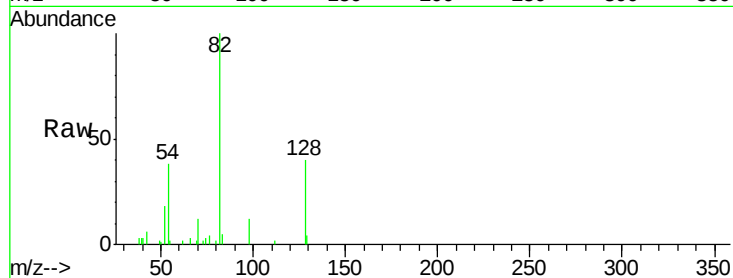




#23
Nitrobenzene-d5
Concen: 3.964 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

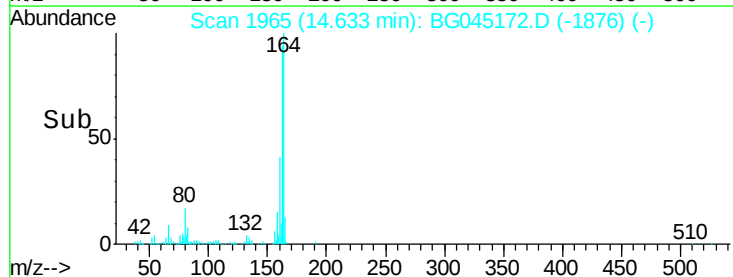
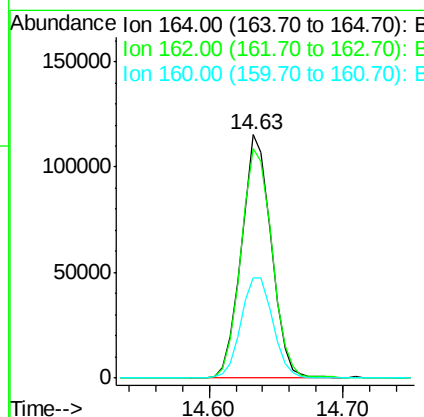
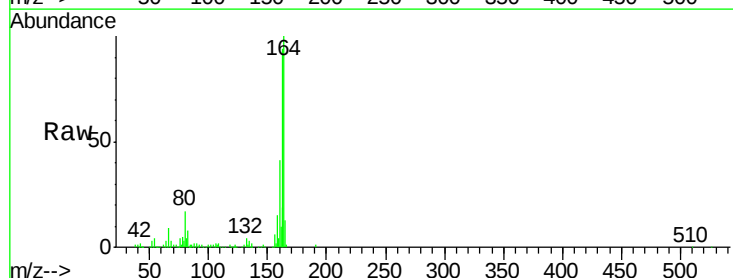
Instrument :
BNA_G
ClientSampleId :

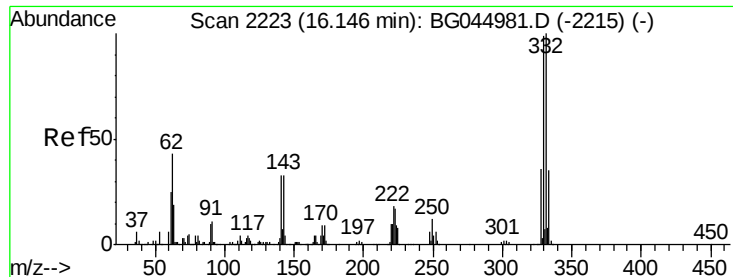
Tot Ion	82	Resp	21067
Ion Ratio	Lower	Upper	
82	100		
128	40.1	33.0	49.4
54	38.4	30.4	45.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Tgt Ion	164	Resp	177715
Ion Ratio	Lower	Upper	
164	100		
162	94.4	78.7	118.1
160	41.3	32.8	49.2

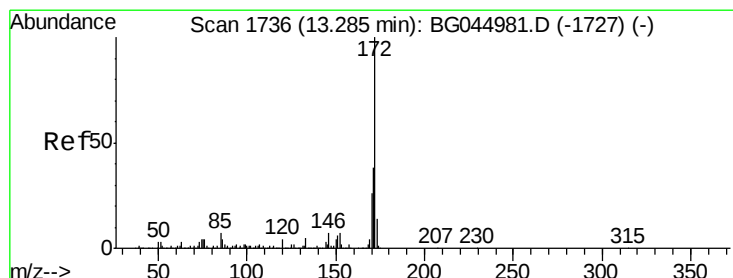
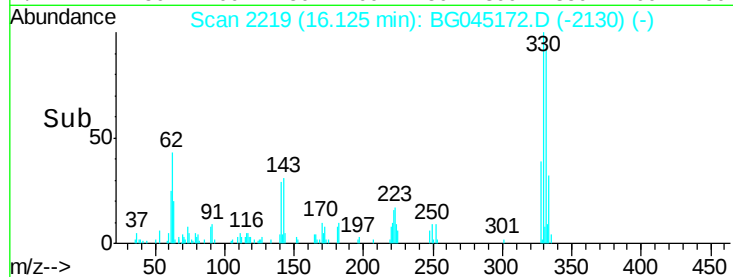
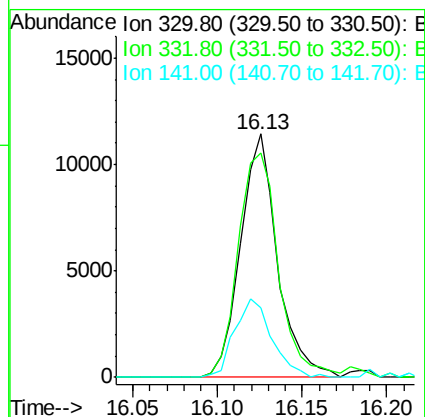
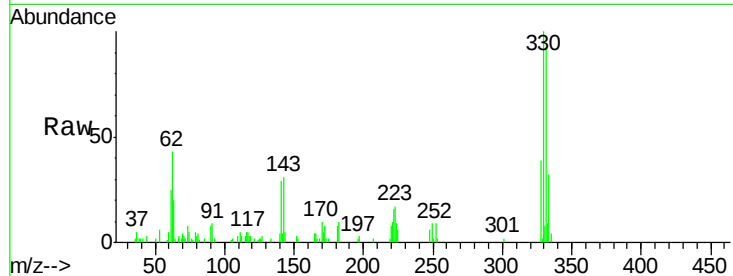




#42
2,4,6-Tribromophenol
Concen: 6.338 ng
RT: 16.13 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

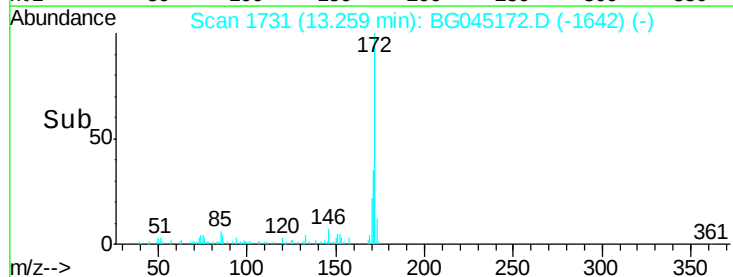
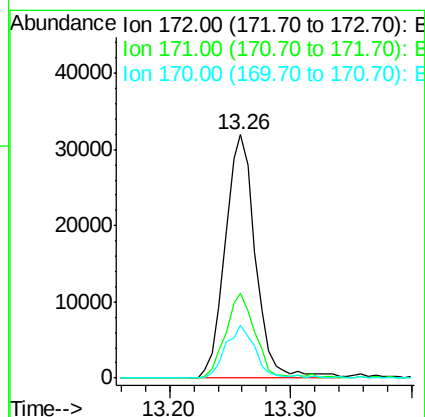
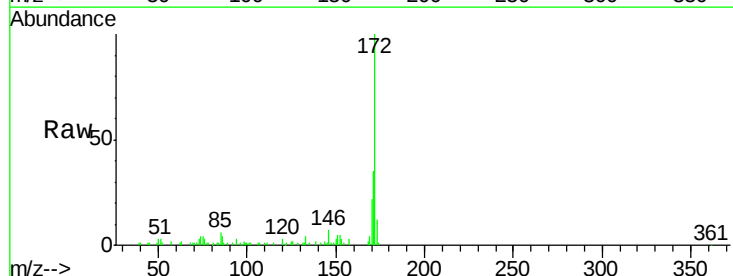
Instrument :
BNA_G
ClientSampleId :

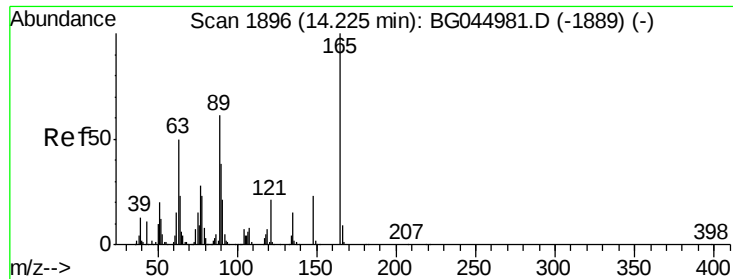
Tot Ion:330 Resp: 17402
Ion Ratio Lower Upper
330 100
332 100.4 79.1 118.7
141 32.7 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 4.580 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Tgt Ion:172 Resp: 55508
Ion Ratio Lower Upper
172 100
171 35.0 30.6 46.0
170 21.8 20.5 30.7

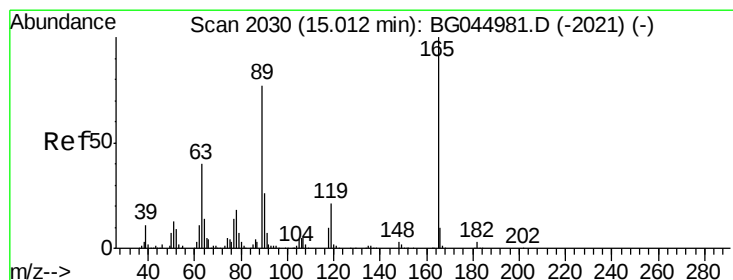
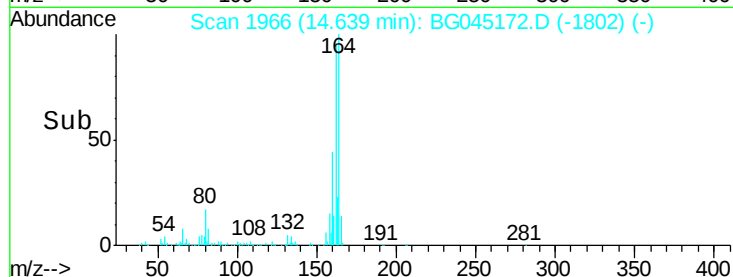
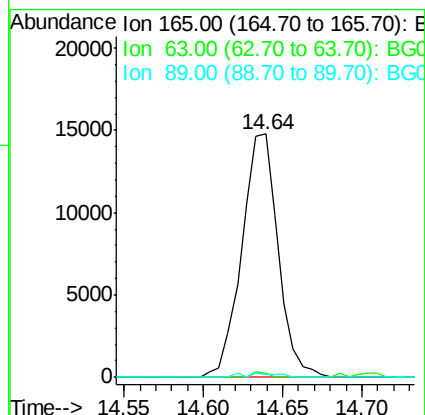
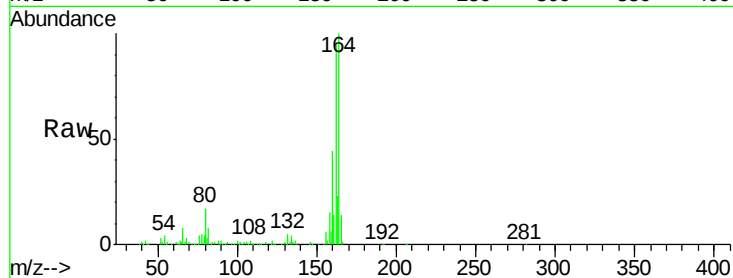




#51
 2,6-Dinitrotoluene
 Concen: 7.256 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. 0.43 min
 Lab File: BG045172.D
 Acq: 24 Apr 2020 22:23

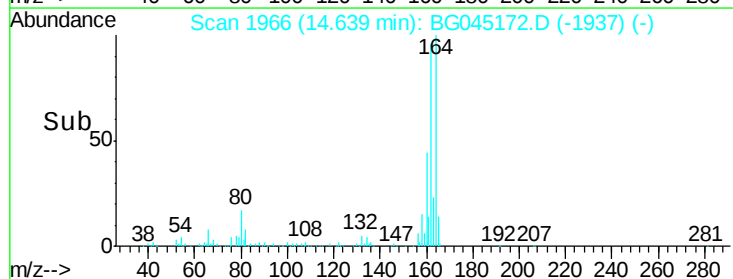
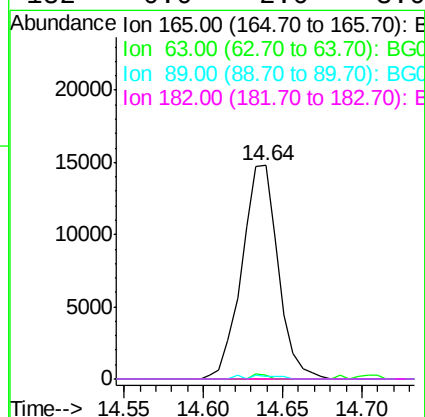
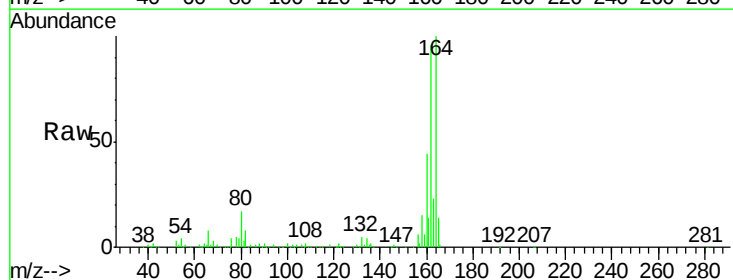
Instrument :
 BNA_G
 ClientSampleId :

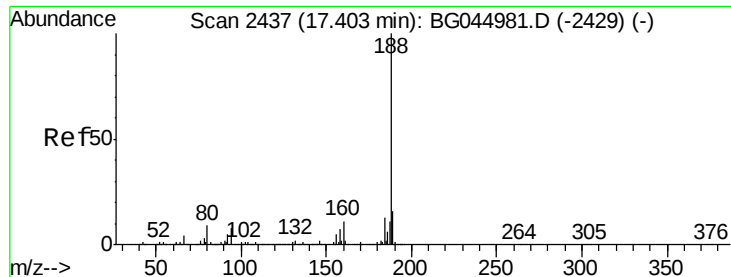
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.4	60.6#
89	1.1	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.965 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.36 min
 Lab File: BG045172.D
 Acq: 24 Apr 2020 22:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	32.2	48.2#
89	1.1	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Instrument :

BNA_G

ClientSampleId :

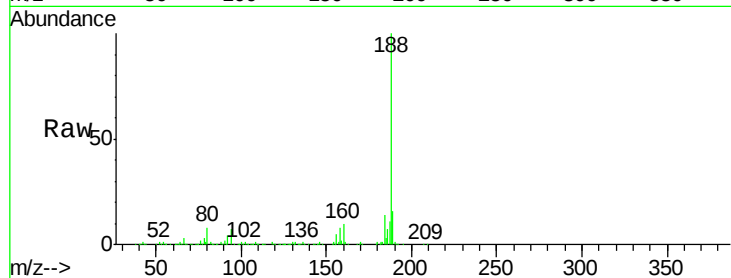
Tot Ion:188 Resp: 450889

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

80 8.1 7.0 10.6



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

300000

200000

100000

0

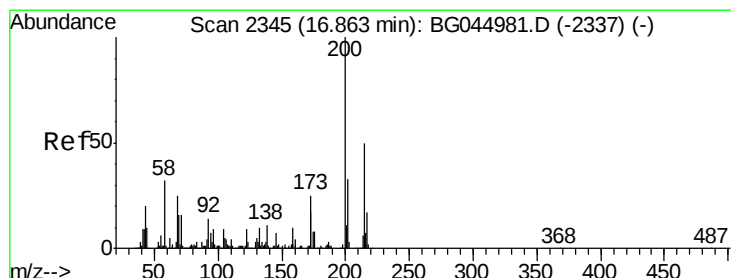
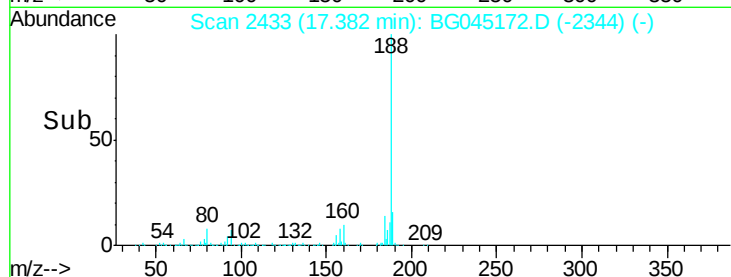
17.38

17.30

17.40

17.50

Time-->



#69

Atrazine

Concen: Below Cal

RT: 16.58 min Scan# 2297

Delta R.T. -0.26 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

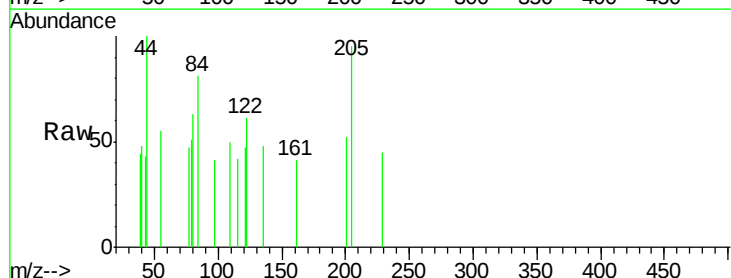
Tgt Ion:200 Resp: 67

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

250

200

150

100

50

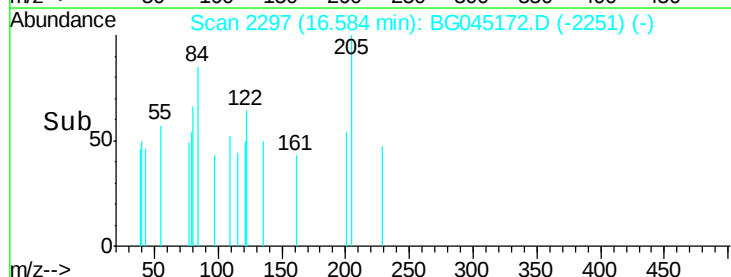
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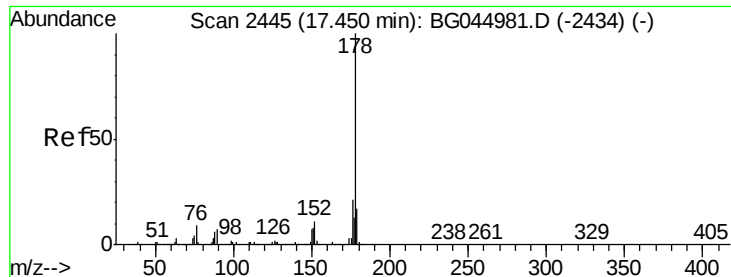
16.58

16.56

16.60

Time-->

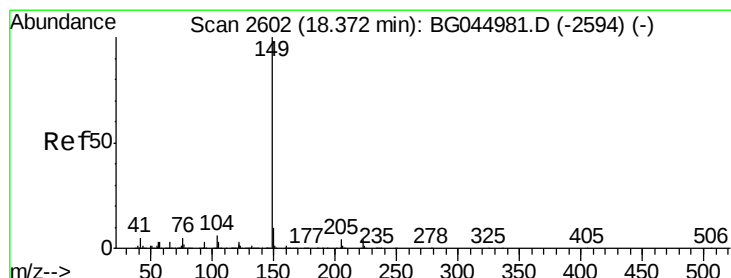
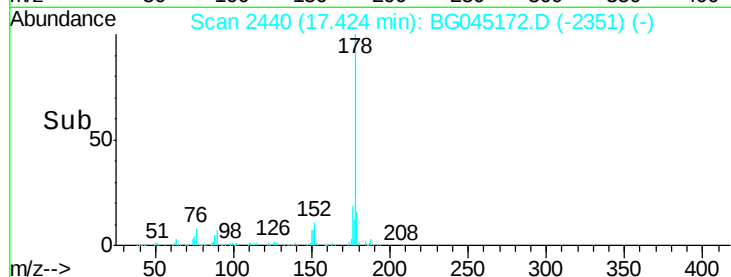
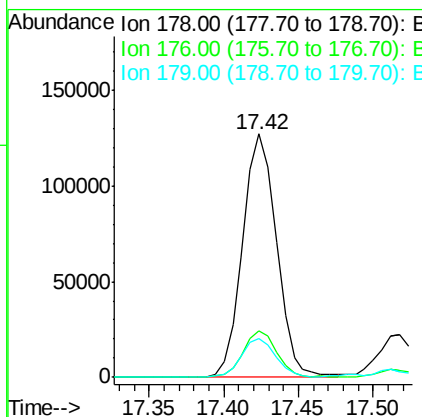
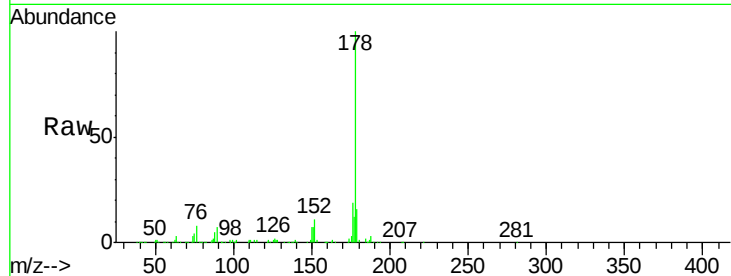




#71
Phenanthrene
Concen: 8.671 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

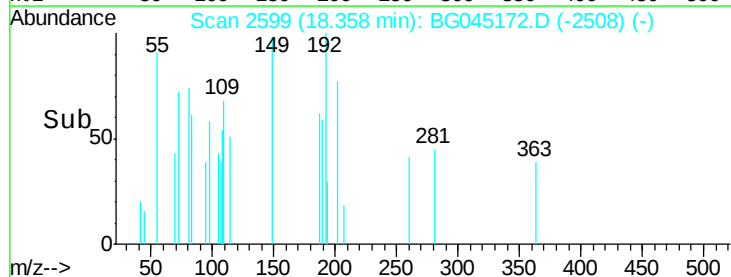
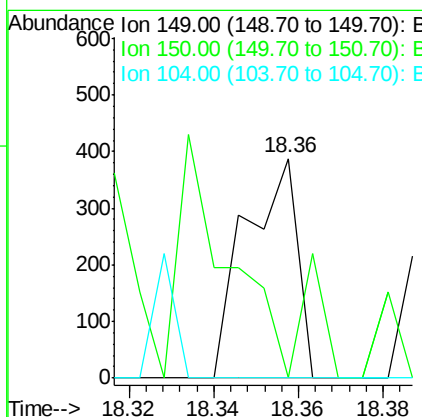
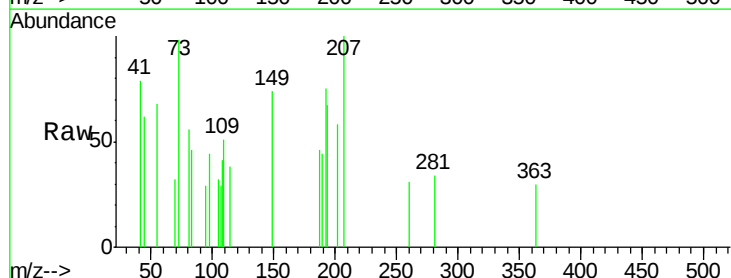
Instrument :
BNA_G
ClientSampleId :

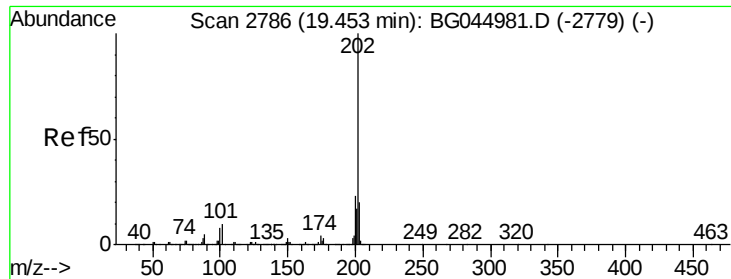
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.8	25.2
179	16.0	13.2	19.8



#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.36 min Scan# 2599
Delta R.T. 0.00 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Tgt Ion	Ratio	Lower	Upper
149	100		
150	0.0	8.2	12.2#
104	0.0	4.8	7.2#

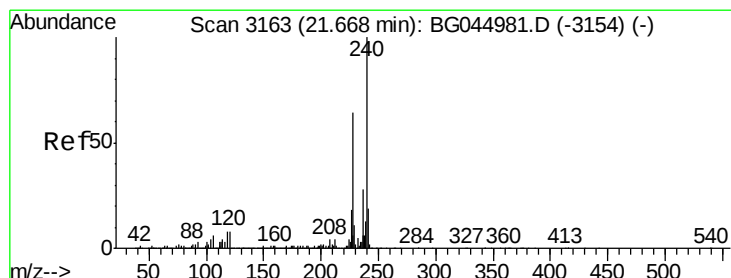
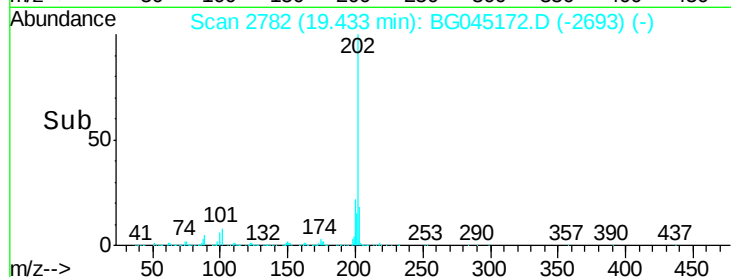
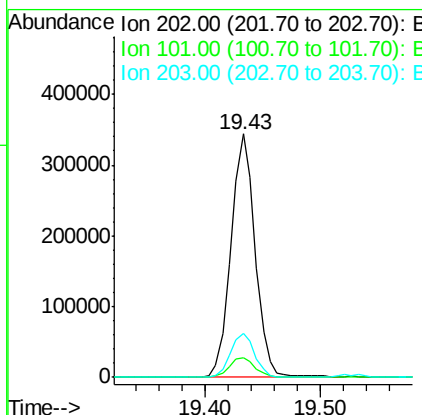
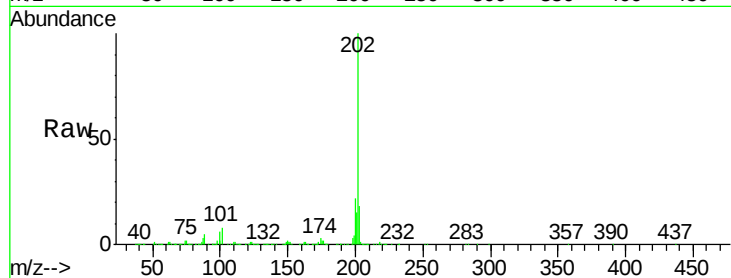




#75
 Fluoranthene
 Concen: 14.018 ng
 RT: 19.43 min Scan# 2782
 Delta R.T. -0.01 min
 Lab File: BG045172.D
 Acq: 24 Apr 2020 22:23

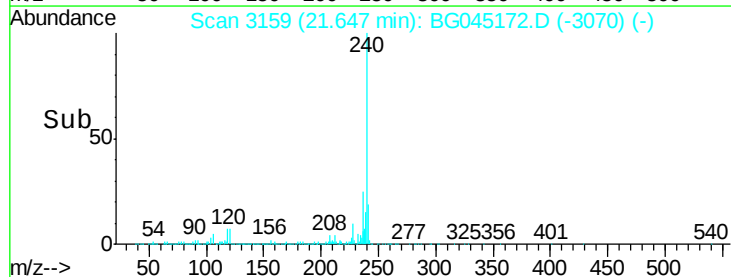
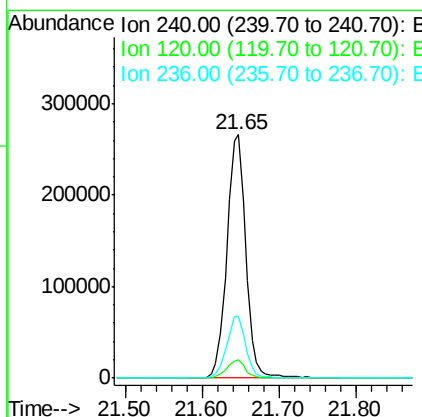
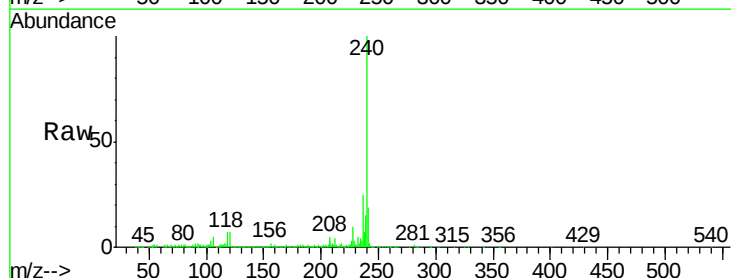
Instrument :
 BNA_G
 ClientSampleId :

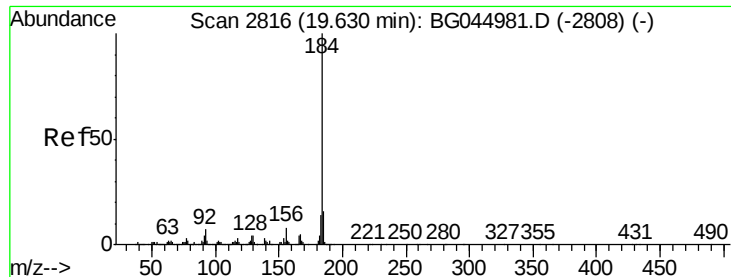
Tot Ion:	202	Resp:	497452
Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	29.6
203	17.9	0.0	39.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG045172.D
 Acq: 24 Apr 2020 22:23

Tgt Ion:	240	Resp:	455580
Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.6	10.0
236	25.4	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.59 min Scan# 2809

Delta R.T. -0.02 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

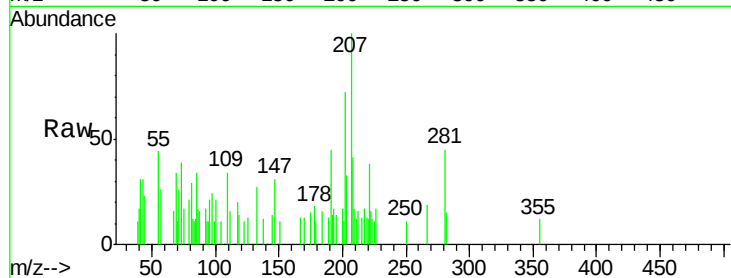
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 79

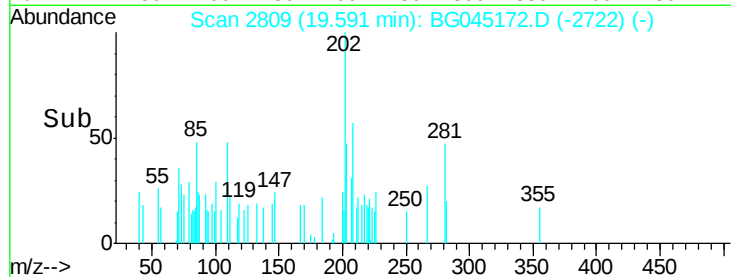
Ion	Ratio	Lower	Upper
184	100		
185	0.0	12.6	19.0#
183	0.0	11.3	16.9#



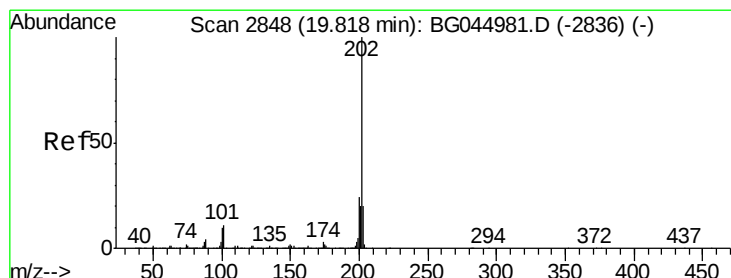
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Pyrene

Concen: 12.568 ng

RT: 19.79 min Scan# 2843

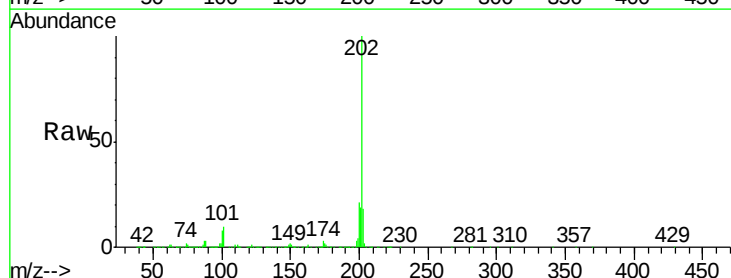
Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Tgt Ion:202 Resp: 394749

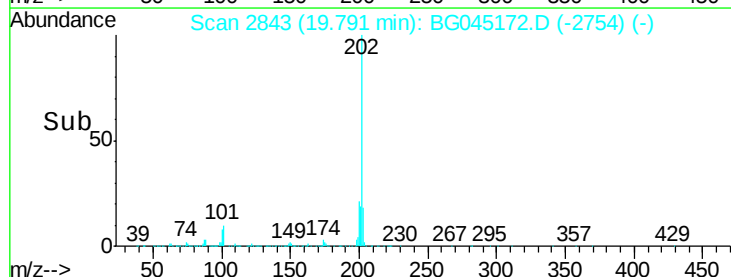
Ion	Ratio	Lower	Upper
202	100		
200	21.0	19.0	28.6
203	17.9	16.1	24.1



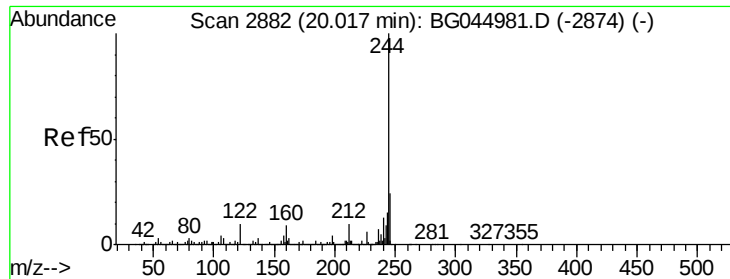
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 5.592 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Instrument :

BNA_G

ClientSampled :

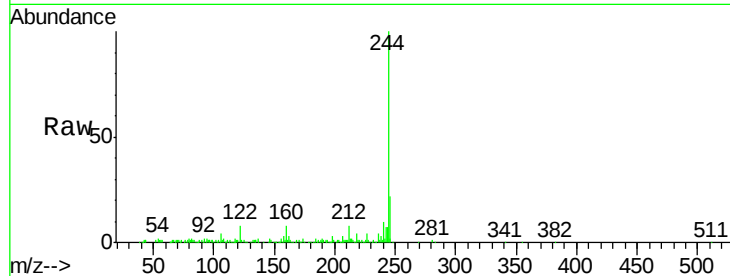
Tot Ion:244 Resp: 116894

Ion Ratio Lower Upper

244 100

212 7.5 7.9 11.9#

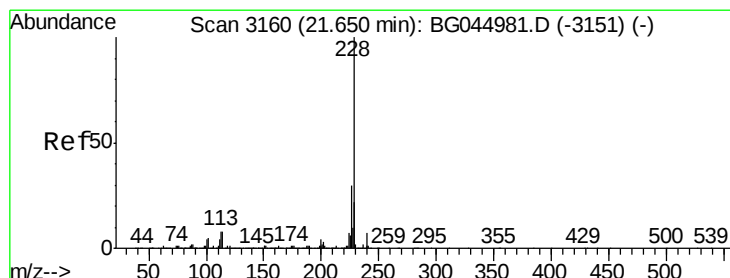
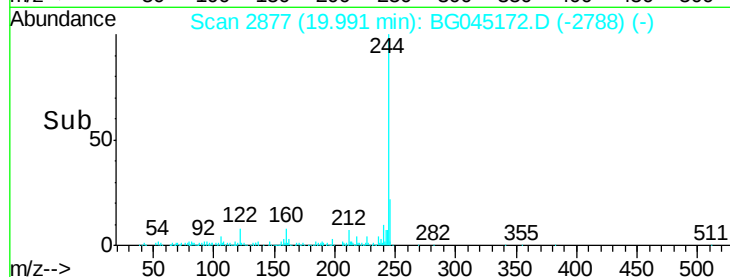
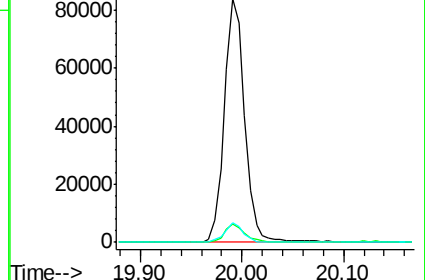
122 7.9 7.7 11.5



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: 6.920 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

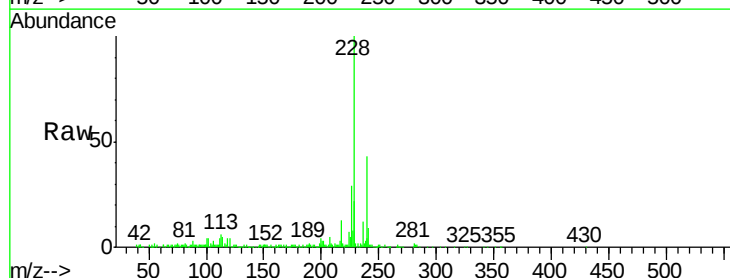
Tgt Ion:228 Resp: 204322

Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

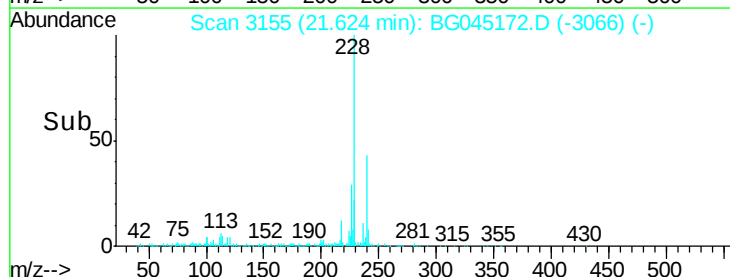
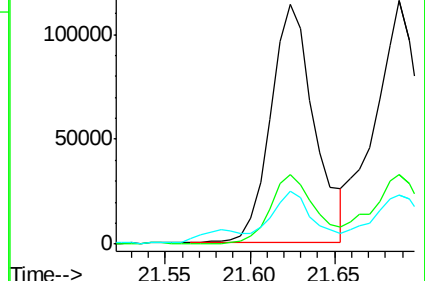
229 21.9 17.5 26.3

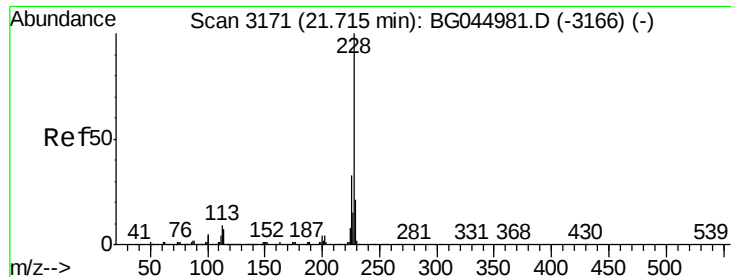


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

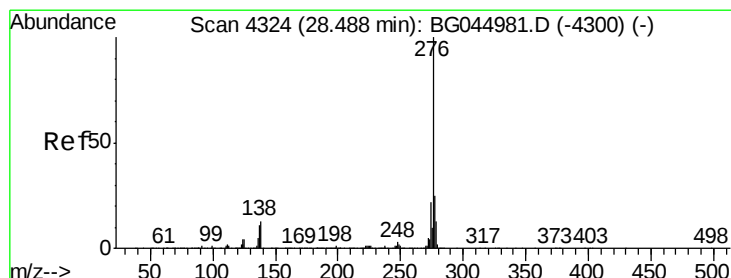
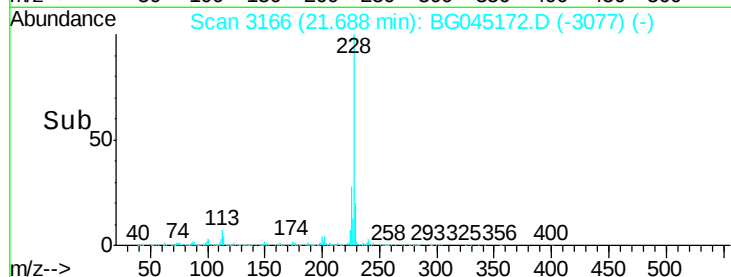
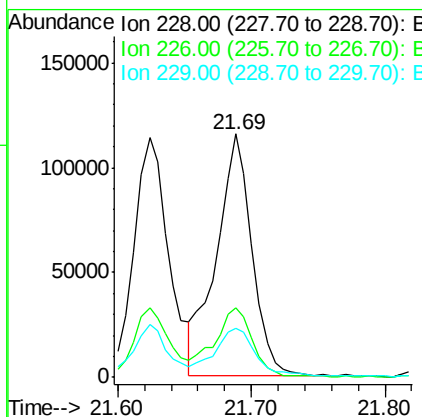
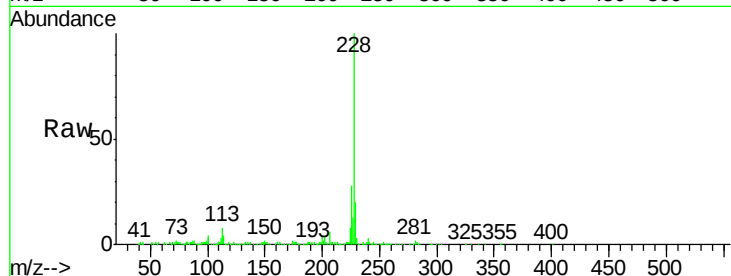




#83
Chrysene
Concen: 7.602 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

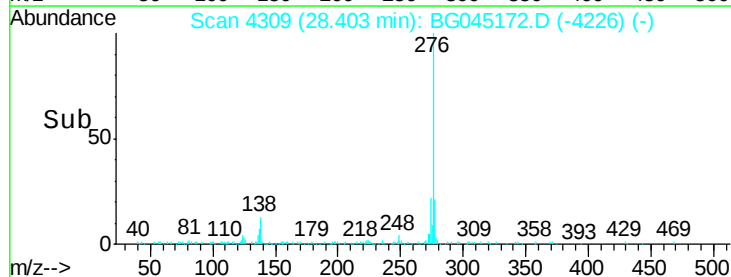
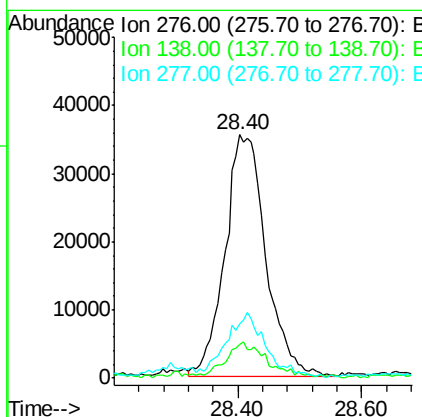
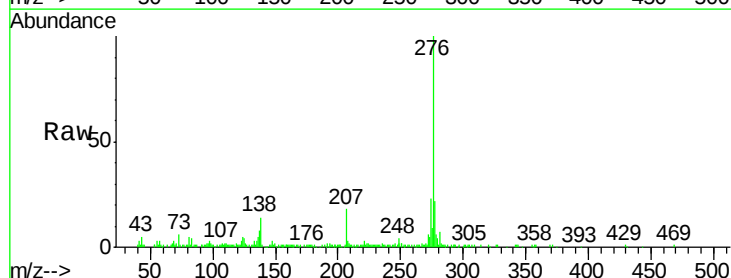
Instrument :
BNA_G
ClientSampled :

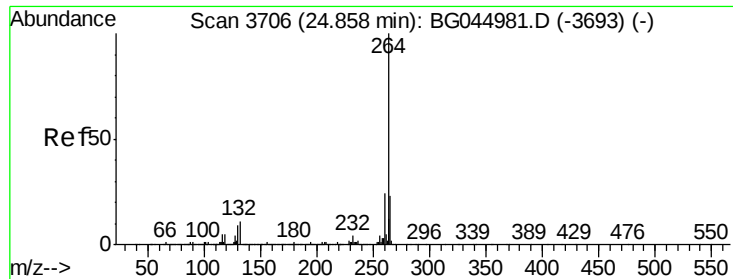
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	26.2	39.4
229	20.1	17.0	25.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.313 ng
RT: 28.40 min Scan# 4309
Delta R.T. -0.04 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	9.6	14.4
277	24.8	20.6	31.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.82 min Scan# 3699

Delta R.T. -0.02 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

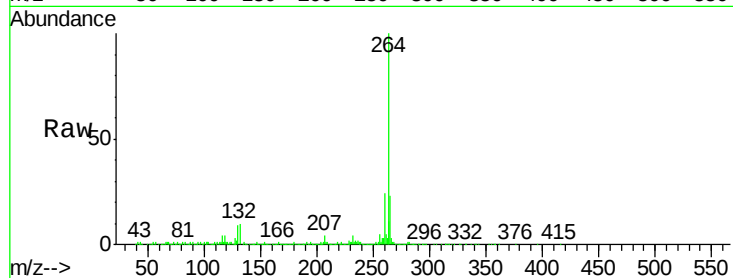
Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 483350

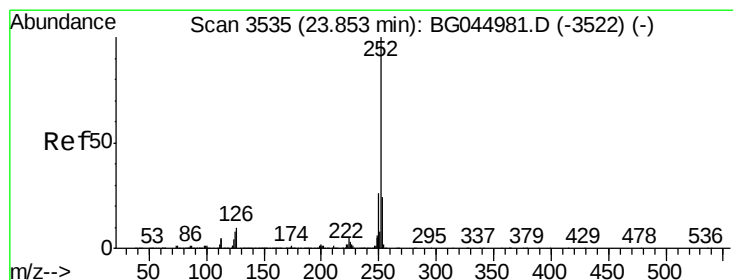
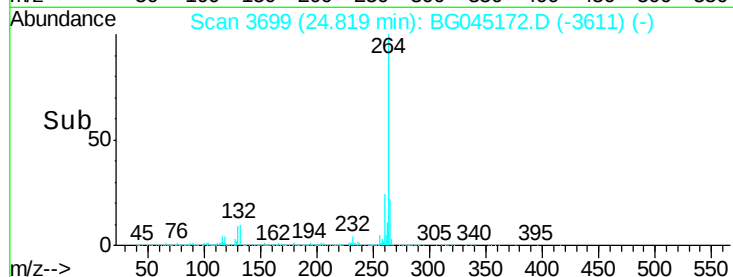
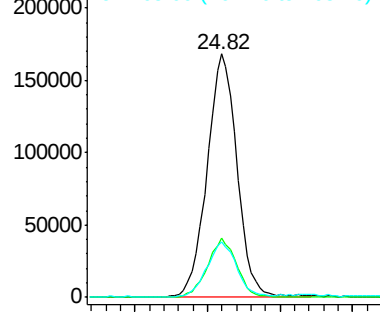
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.6	19.0	28.4



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: 10.436 ng

RT: 23.81 min Scan# 3528

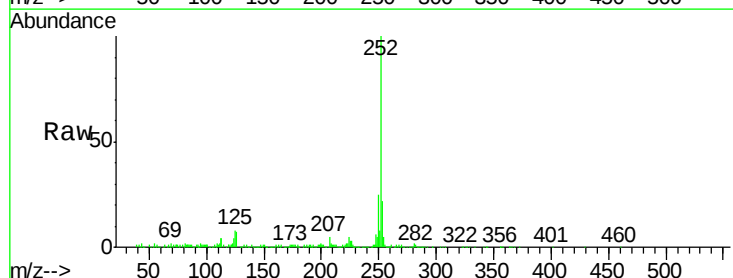
Delta R.T. -0.02 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Tgt Ion:252 Resp: 315966

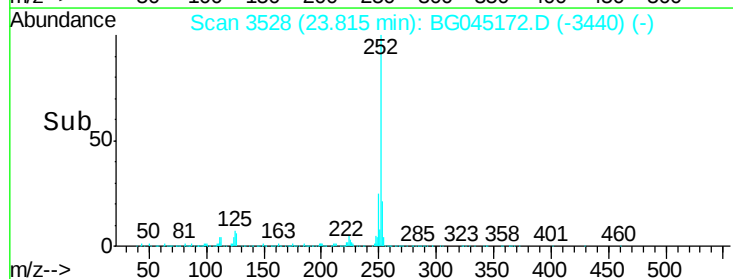
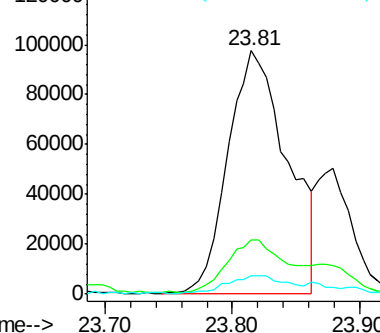
Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.8	28.2
125	7.5	6.2	9.4

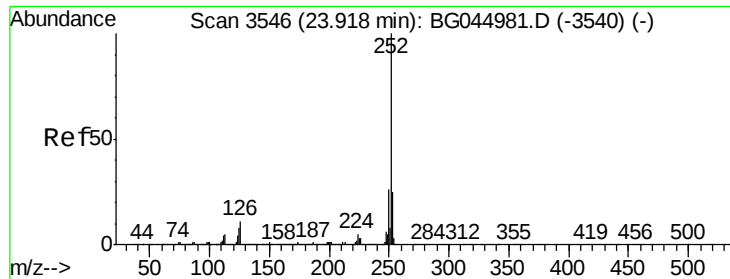


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 10.974 ng

RT: 23.81 min Scan# 3528

Delta R.T. -0.08 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Instrument :

BNA_G

ClientSampleId :

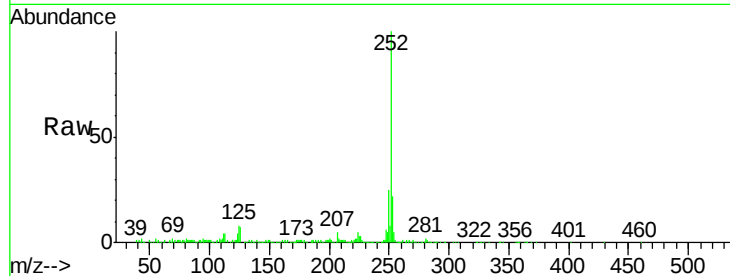
Tot Ion:252 Resp: 315966

Ion Ratio Lower Upper

252 100

253 22.5 19.2 28.8

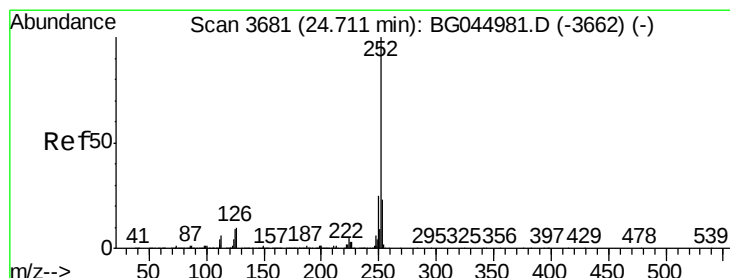
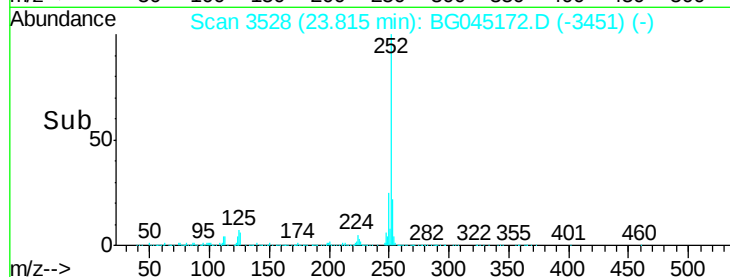
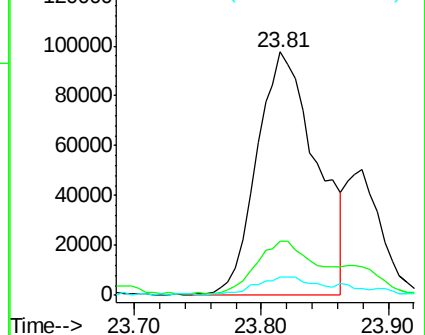
125 7.5 5.9 8.9



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: 5.304 ng

RT: 24.52 min Scan# 3648

Delta R.T. -0.16 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

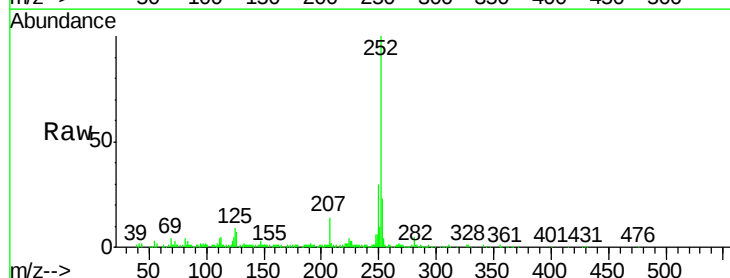
Tgt Ion:252 Resp: 151616

Ion Ratio Lower Upper

252 100

253 23.0 18.3 27.5

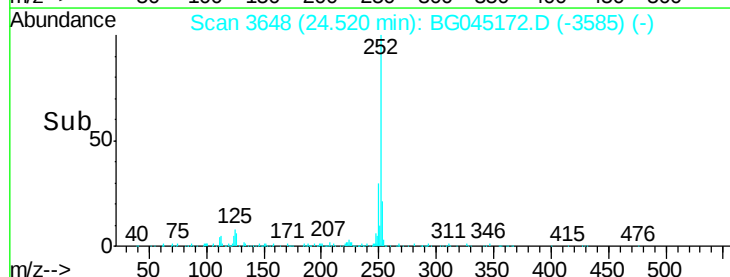
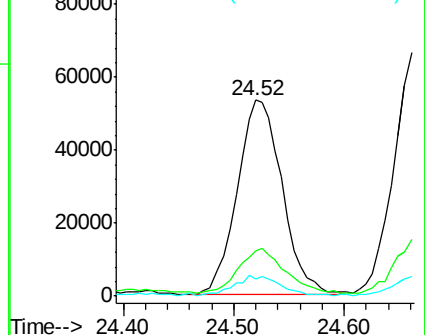
125 8.8 7.0 10.6

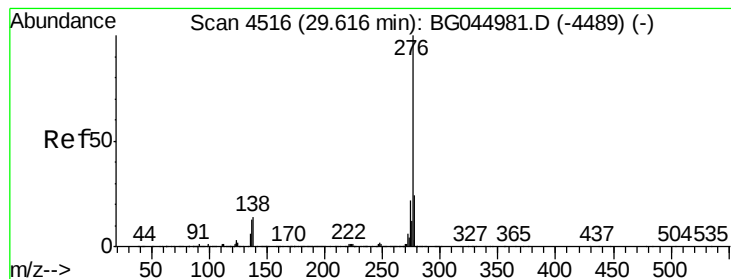


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 5.387 ng

RT: 29.53 min Scan# 4501

Delta R.T. -0.03 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 276 Resp: 155579

Ion Ratio Lower Upper

276 100

277 23.4 19.3 28.9

138 14.6 11.4 17.2

