

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061020\
 Data File : BG045697.D
 Acq On : 10 Jun 2020 18:35
 Operator : CG/JU
 Sample : L2951-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 11 00:44:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	62182	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	252173	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	179721	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	401884	20.00	ng	0.00
76) Chrysene-d12	21.60	240	400333	20.00	ng	0.00
87) Perylene-d12	24.73	264	437850	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	256519	80.62	ng	0.00
7) Phenol-d6	7.14	99	378212	83.52	ng	-0.01
23) Nitrobenzene-d5	9.11	82	272385	58.90	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	184721	80.37	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	652053	61.54	ng	0.00
79) Terphenyl-d14	19.95	244	1072747	62.50	ng	0.00

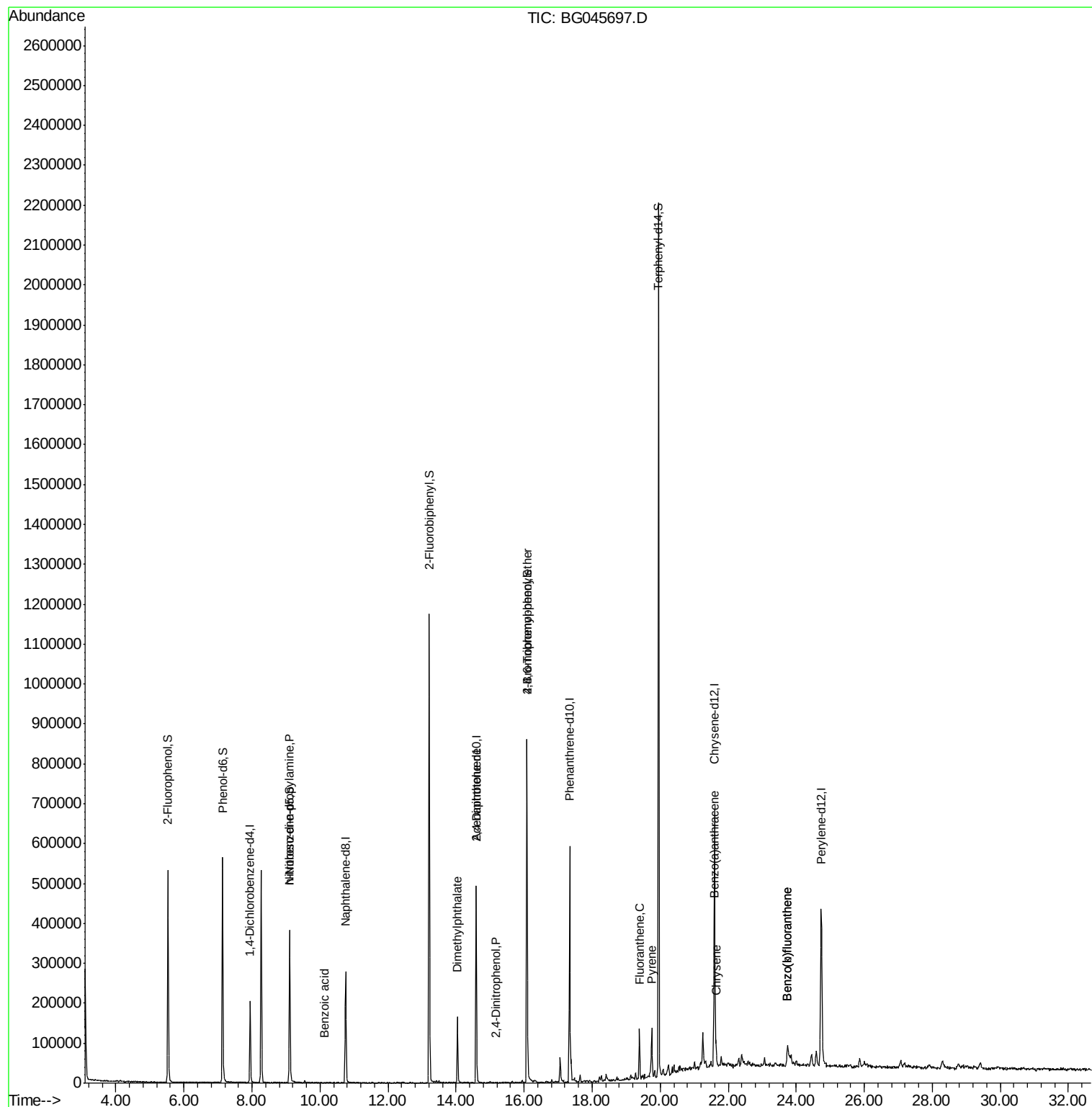
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.10	70	38217	12.204	ng	# 80
32) Benzoic acid	10.13	122	55	10.043	ng	# 1
50) Dimethylphthalate	14.04	163	117261	9.511	ng	# 98
54) 2,4-Dinitrophenol	15.18	184	81	5.500	ng	# 17
57) 2,4-Dinitrotoluene	14.59	165	23833	5.915	ng	# 24
67) 4-Bromophenyl-phenylether	16.08	248	12208	2.805	ng	# 1
75) Fluoranthene	19.40	202	83331	3.734	ng	93
78) Pyrene	19.75	202	83280	3.649	ng	98
81) Benzo(a)anthracene	21.57	228	46174	2.070	ng	94
83) Chrysene	21.64	228	45670	2.130	ng	95
88) Benzo(b)fluoranthene	23.74	252	65281	2.780	ng	94
89) Benzo(k)fluoranthene	23.74	252	65281	2.959	ng	94

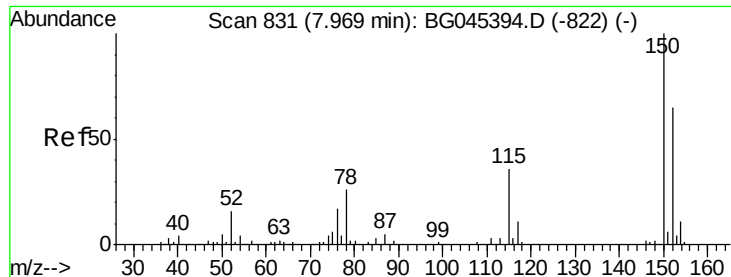
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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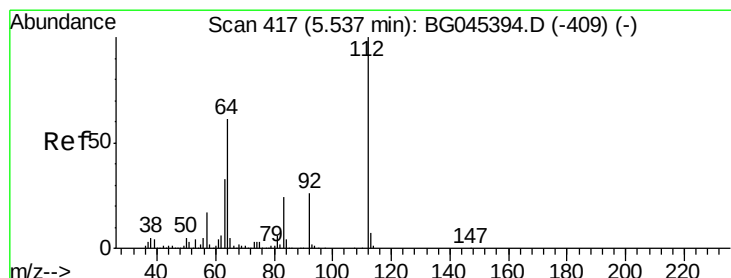
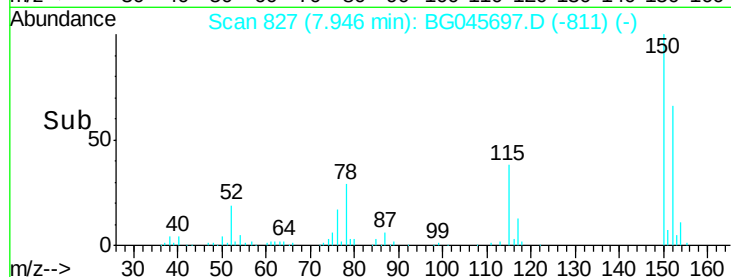
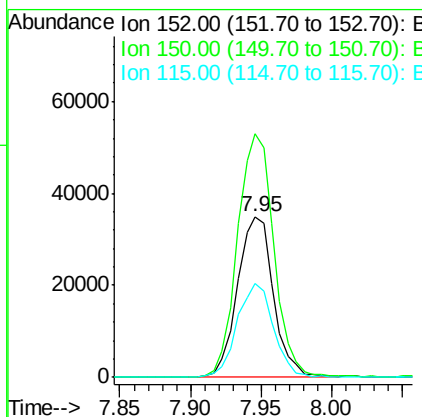
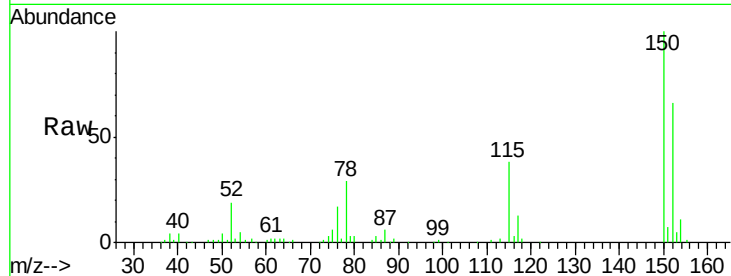


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG045697.D
Acq: 10 Jun 2020 18:35

Instrument :
BNA_G
ClientSampleId :

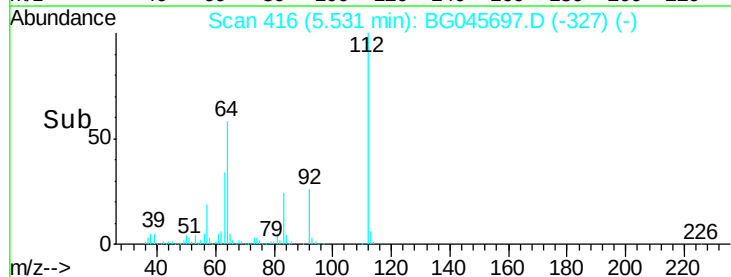
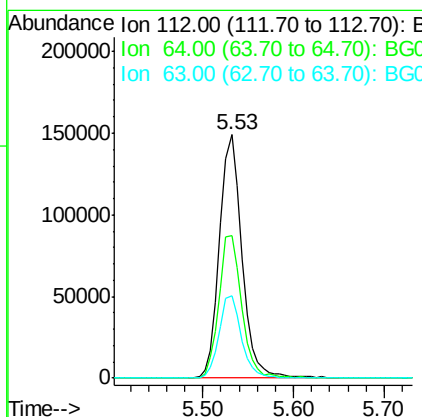
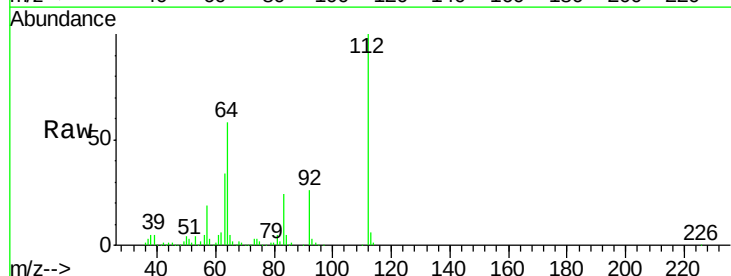
Tot Ion:152 Resp: 62182
Ion Ratio Lower Upper
152 100
150 151.6 122.4 183.6
115 58.1 44.2 66.4

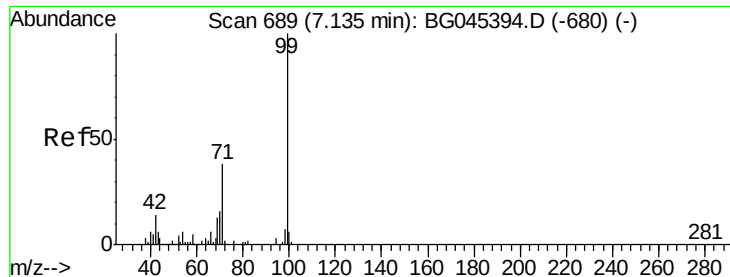


#5

2-Fluorophenol
Concen: 80.620 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG045697.D
Acq: 10 Jun 2020 18:35

Tgt Ion:112 Resp: 256519
Ion Ratio Lower Upper
112 100
64 58.3 48.6 72.8
63 33.6 26.5 39.7





#7

Phenol-d6

Concen: 83.515 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

Instrument :

BNA_G

ClientSampled :

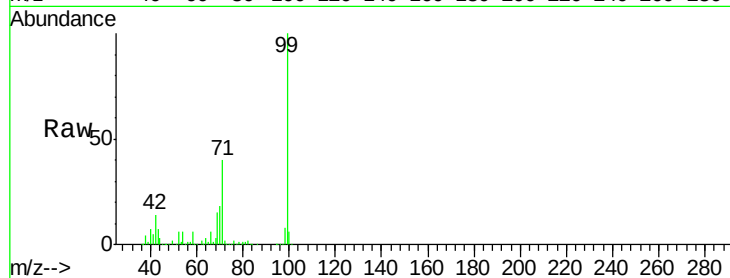
Tot Ion: 99 Resp: 378212

Ion Ratio Lower Upper

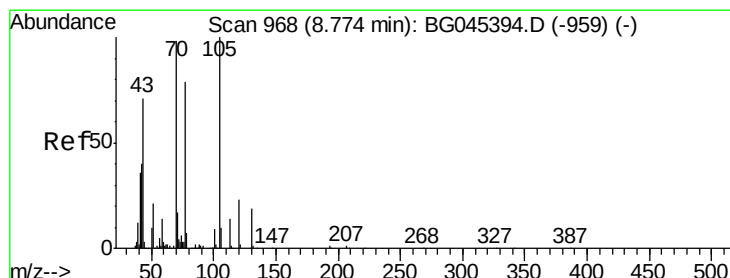
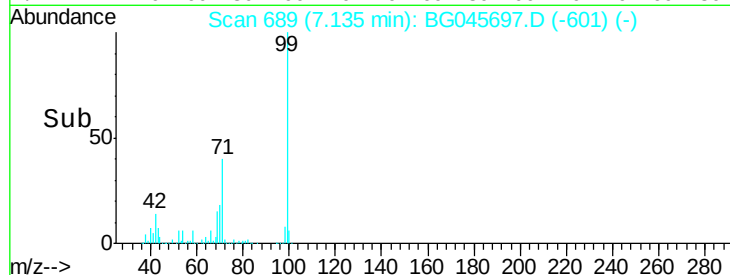
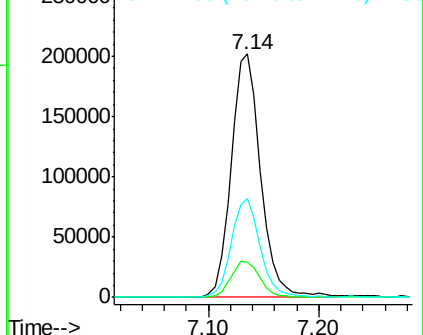
99 100

42 14.3 11.3 16.9

71 40.4 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 12.204 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

Tgt Ion: 70 Resp: 38217

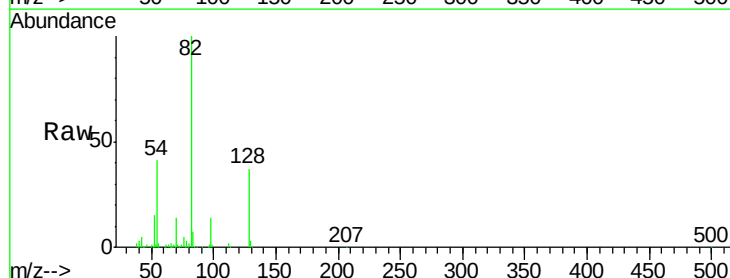
Ion Ratio Lower Upper

70 100

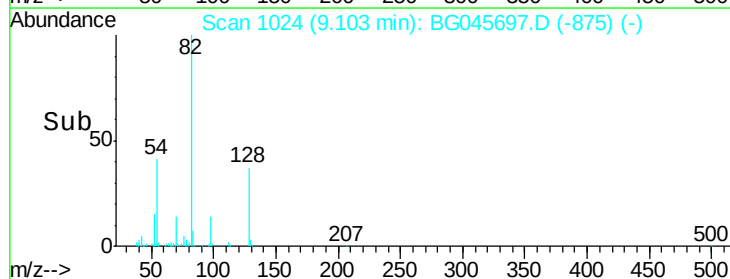
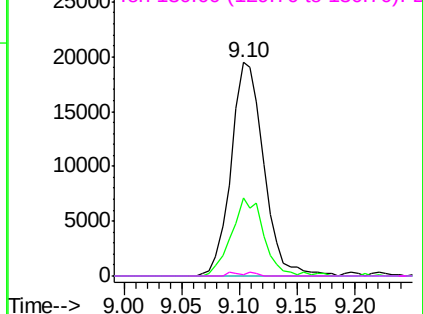
42 36.4 33.2 49.8

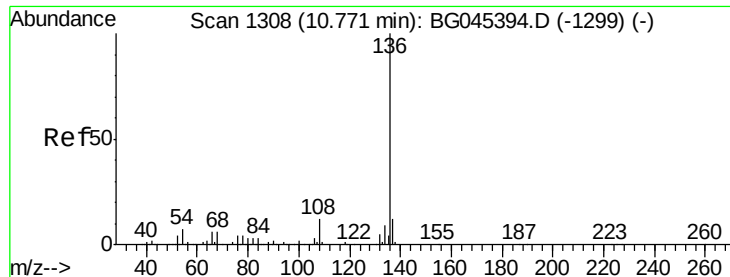
101 0.0 7.8 11.6#

130 0.8 15.4 23.2#



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

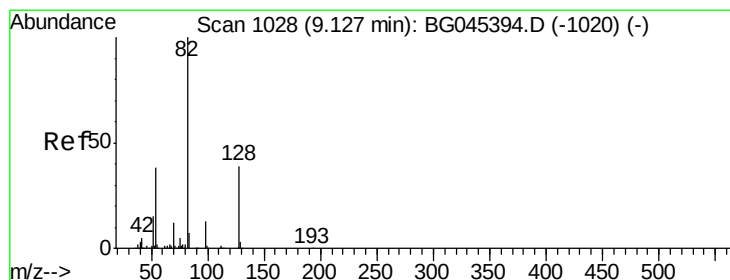
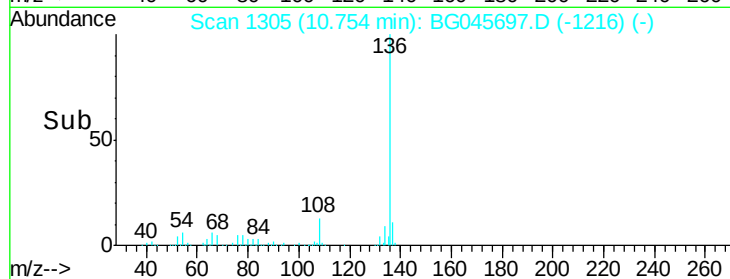
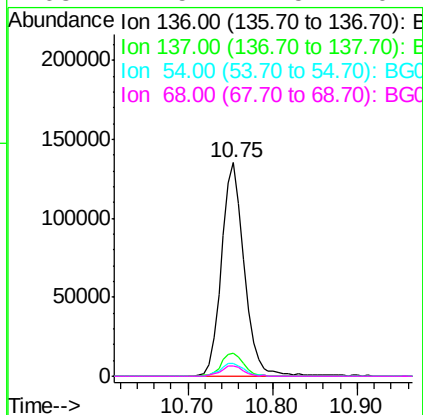
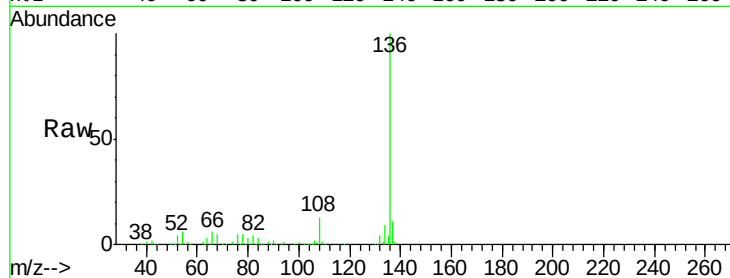




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045697.D
Acq: 10 Jun 2020 18:35

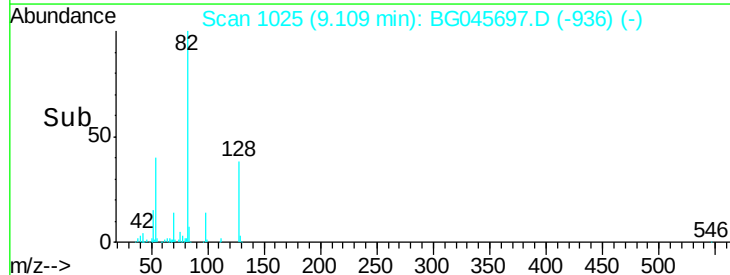
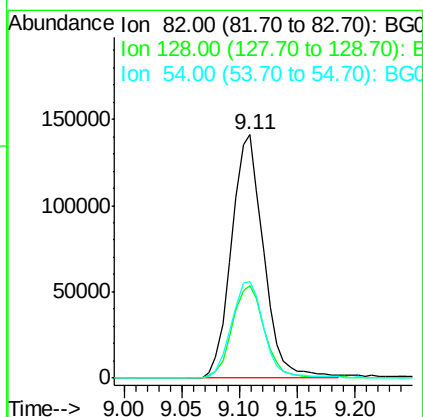
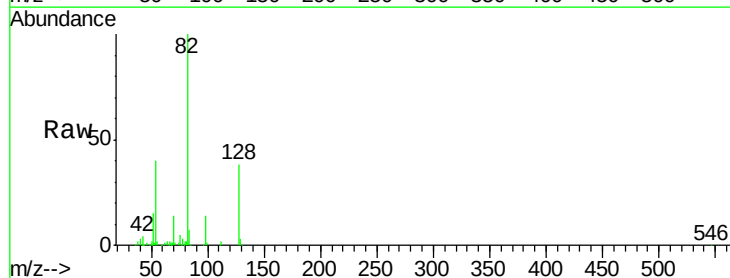
Instrument :
BNA_G
ClientSampleId :

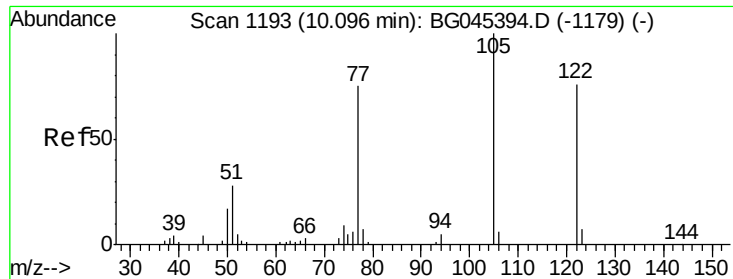
Tot Ion:136	Resp:	252173
Ion Ratio	Lower	Upper
136 100		
137 10.7	9.4	14.2
54 6.0	5.8	8.6
68 4.5	4.5	6.7



#23
Nitrobenzene-d5
Concen: 58.902 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG045697.D
Acq: 10 Jun 2020 18:35

Tgt Ion: 82	Resp: 272385
Ion Ratio	Lower Upper
82 100	
128 37.8	30.9 46.3
54 39.6	30.3 45.5

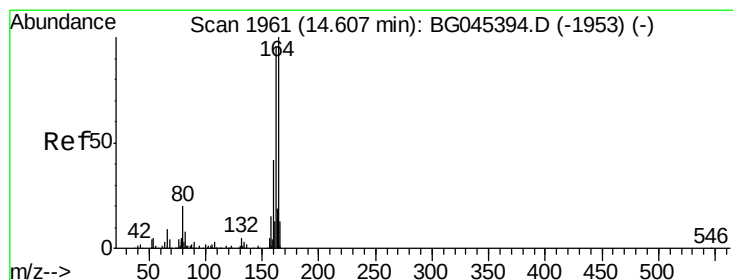
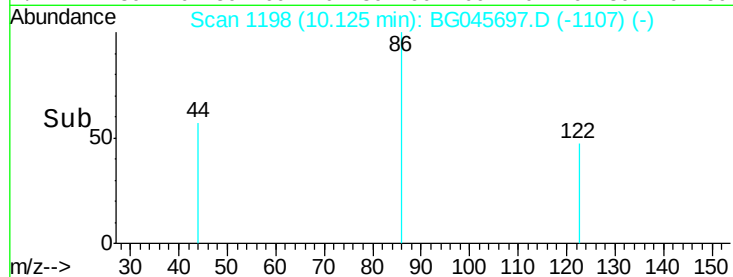
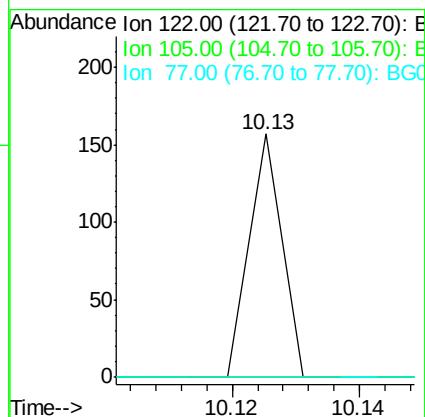
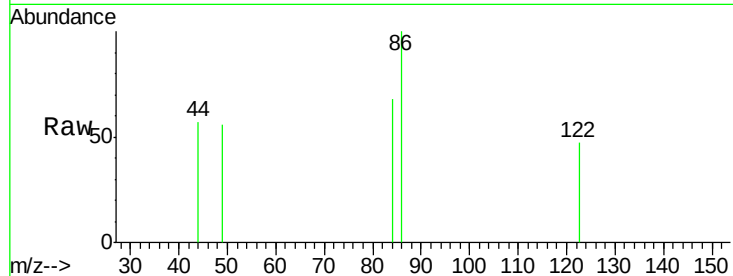




#32
Benzoic acid
Concen: 10.043 ng
RT: 10.13 min Scan# 1198
Delta R.T. 0.01 min
Lab File: BG045697.D
Acq: 10 Jun 2020 18:35

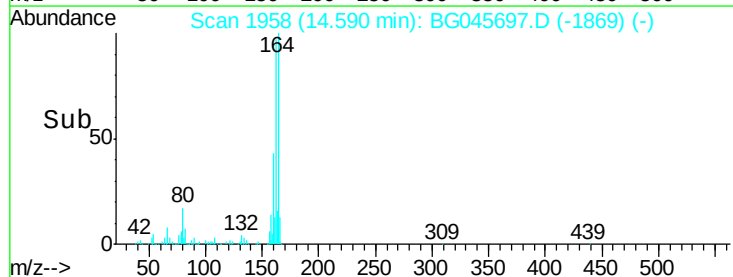
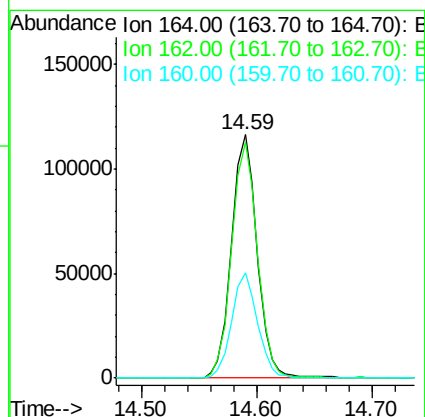
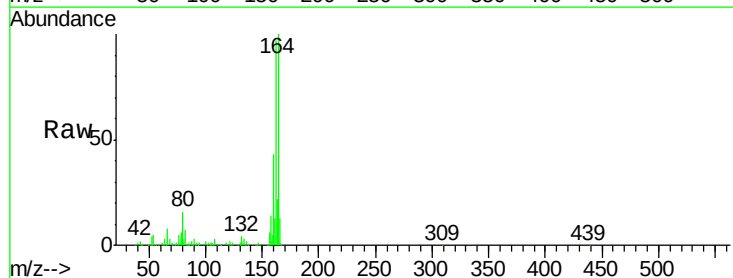
Instrument :
BNA_G
ClientSampleId :

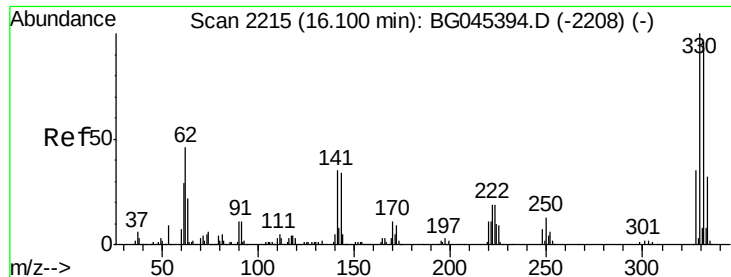
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.9	147.9#
77	0.0	78.9	118.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG045697.D
Acq: 10 Jun 2020 18:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.6	76.9	115.3
160	43.0	33.8	50.8





#42

2,4,6-Tribromophenol

Concen: 80.368 ng

RT: 16.08 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

Instrument :

BNA_G

ClientSampleId :

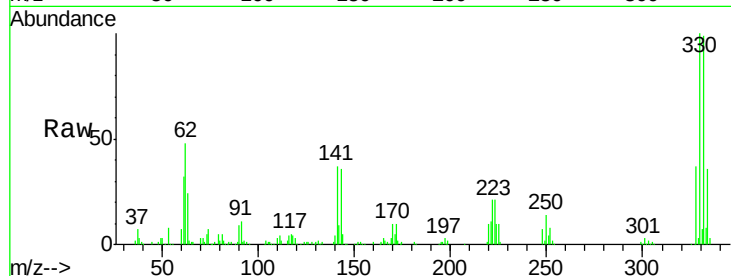
Tot Ion:330 Resp: 184721

Ion Ratio Lower Upper

330 100

332 99.8 78.2 117.4

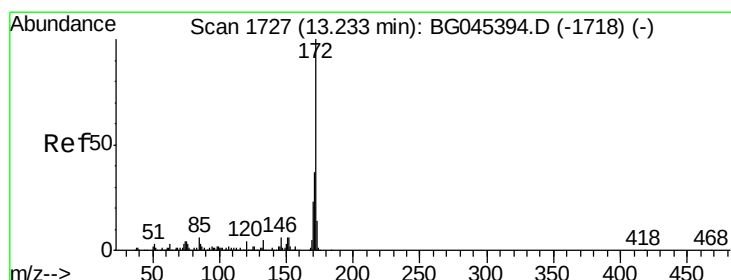
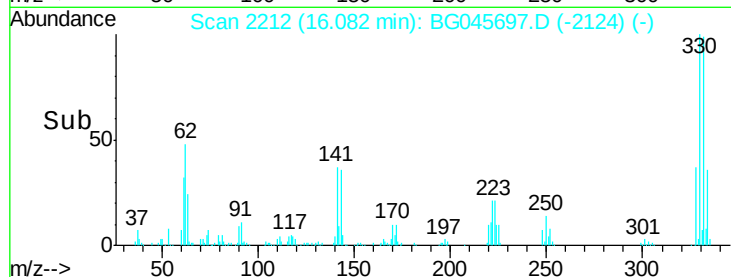
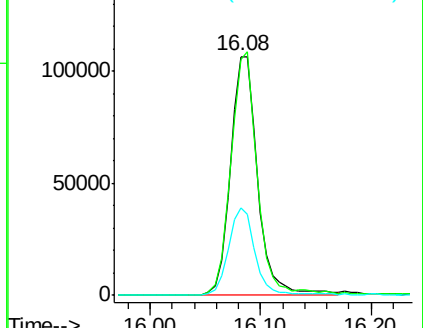
141 36.0 28.2 42.4



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: 61.541 ng

RT: 13.21 min Scan# 1723

Delta R.T. -0.01 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

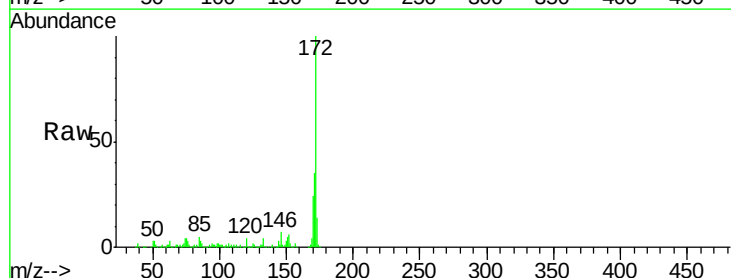
Tgt Ion:172 Resp: 652053

Ion Ratio Lower Upper

172 100

171 35.5 29.5 44.3

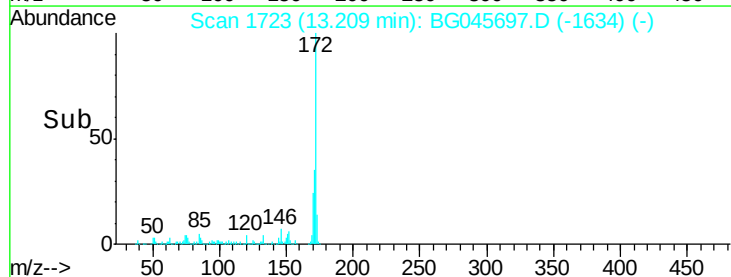
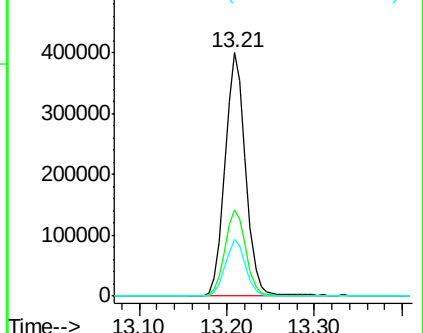
170 23.5 18.5 27.7

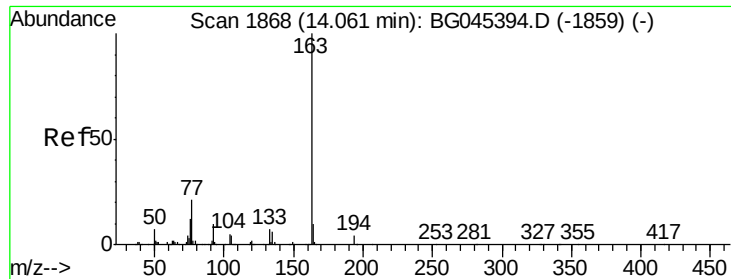


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.511 ng

RT: 14.04 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG045697.D

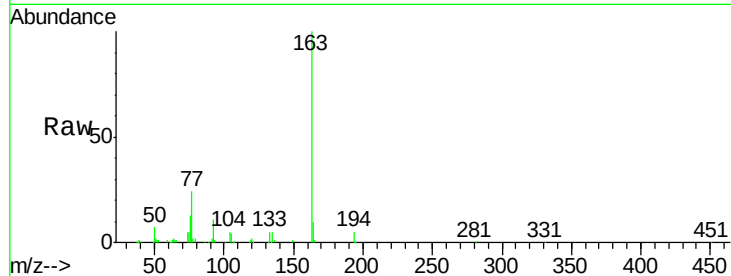
Acq: 10 Jun 2020 18:35

Instrument :

BNA_G

ClientSampled :

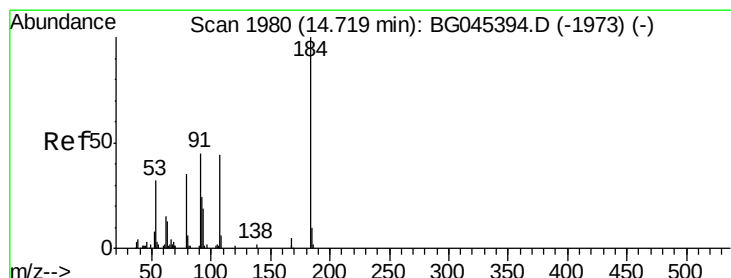
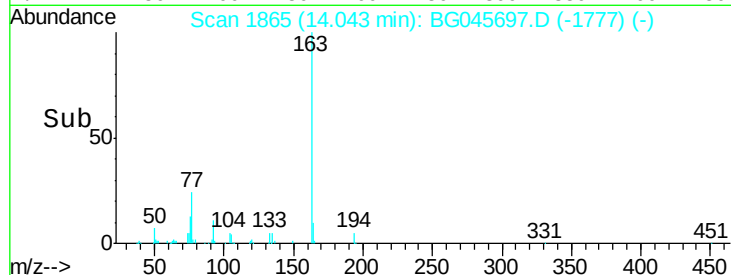
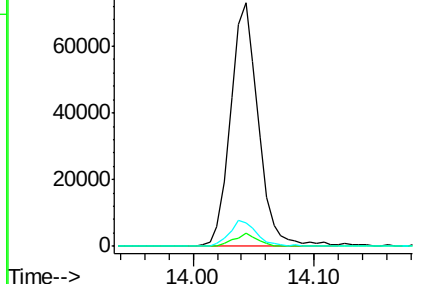
Tot Ion:163	Resp:	117261
Ion Ratio	Lower	Upper
163	100	
194	5.3	3.2 4.8#
164	9.8	8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 5.500 ng

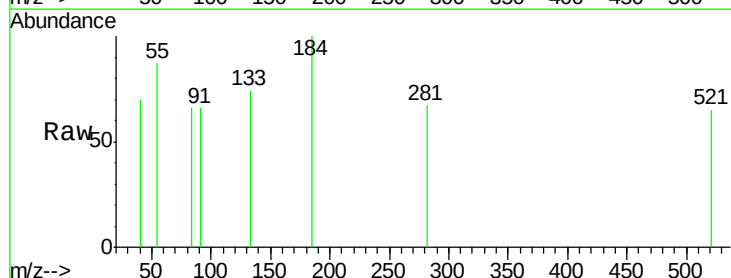
RT: 15.18 min Scan# 2058

Delta R.T. 0.46 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

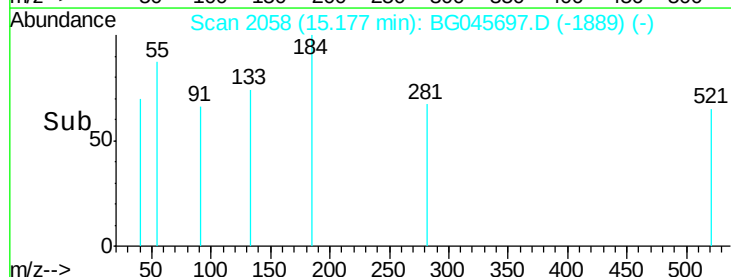
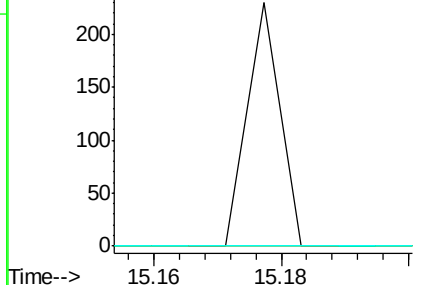
Tgt Ion:184	Resp:	81
Ion Ratio	Lower	Upper
184	100	
63	0.0	47.8 71.6#
154	0.0	58.3 87.5#

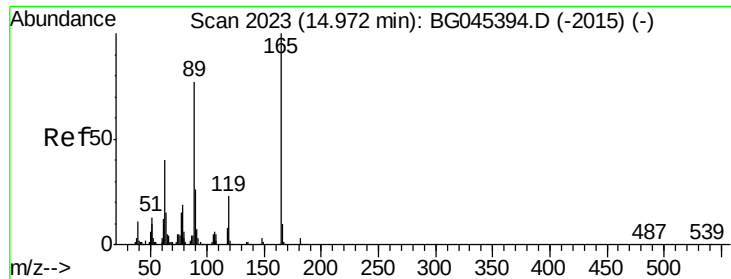


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

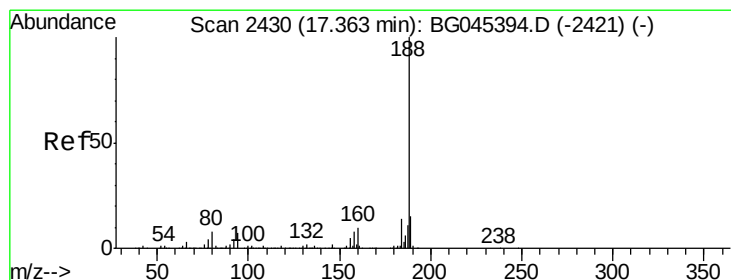
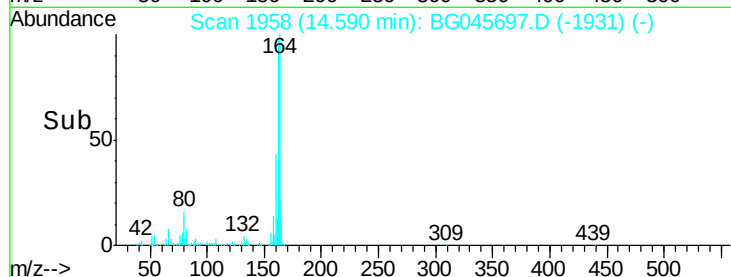
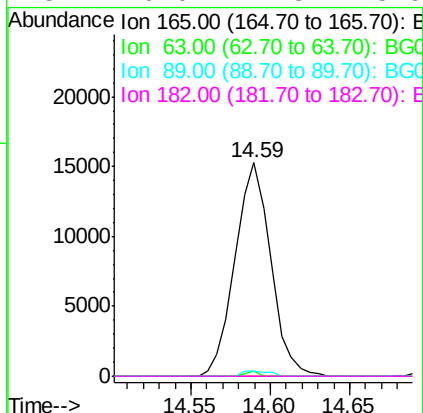
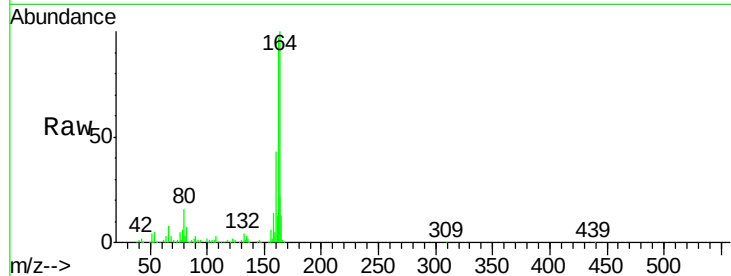




#57
 2,4-Dinitrotoluene
 Concen: 5.915 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.37 min
 Lab File: BG045697.D
 Acq: 10 Jun 2020 18:35

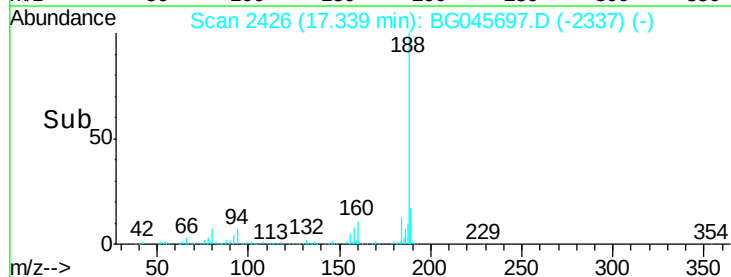
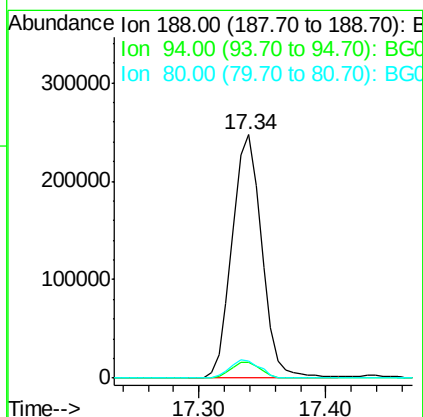
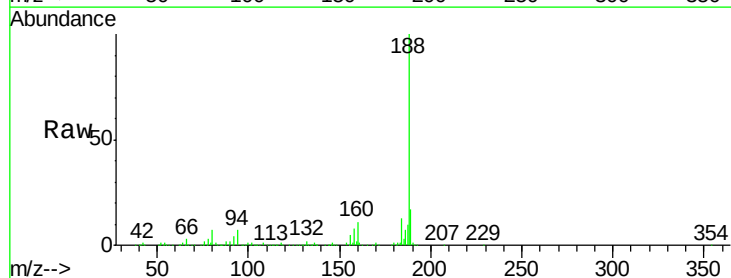
Instrument :
 BNA_G
 ClientSampleId :

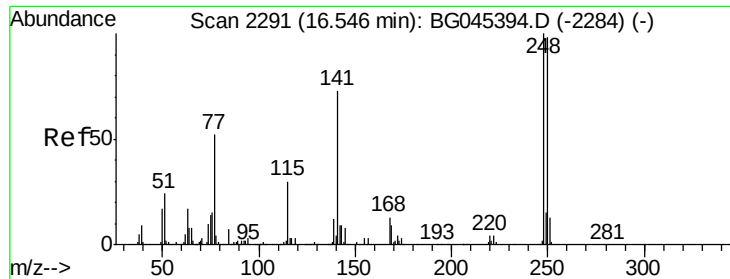
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	32.5	48.7#
89	2.6	61.8	92.6#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.34 min Scan# 2426
 Delta R.T. -0.01 min
 Lab File: BG045697.D
 Acq: 10 Jun 2020 18:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.5	8.3
80	7.0	6.6	10.0

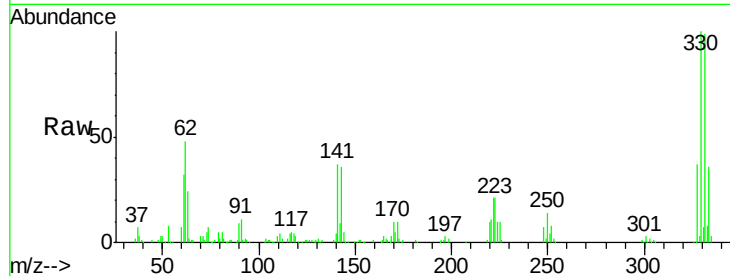




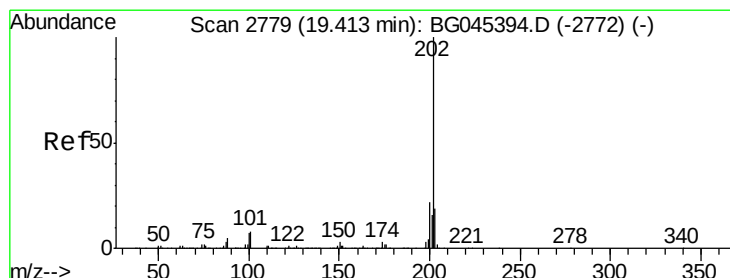
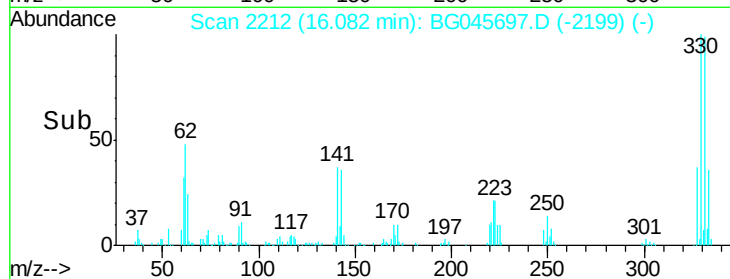
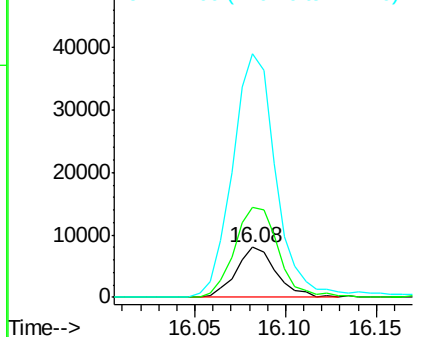
#67
4-Bromophenyl-phenylether
Concen: 2.805 ng
RT: 16.08 min Scan# 2212
Delta R.T. -0.45 min
Lab File: BG045697.D
Acq: 10 Jun 2020 18:35

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 12208
Ion Ratio Lower Upper
248 100
250 181.4 78.6 117.8#
141 488.1 58.2 87.2#

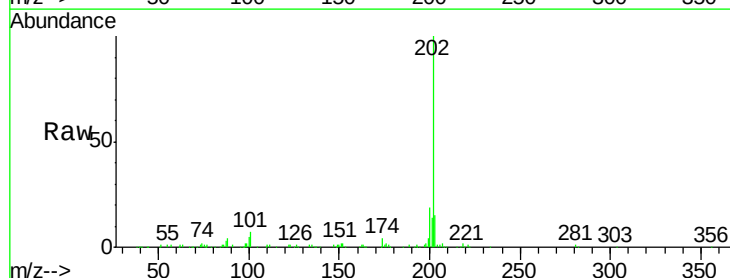


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

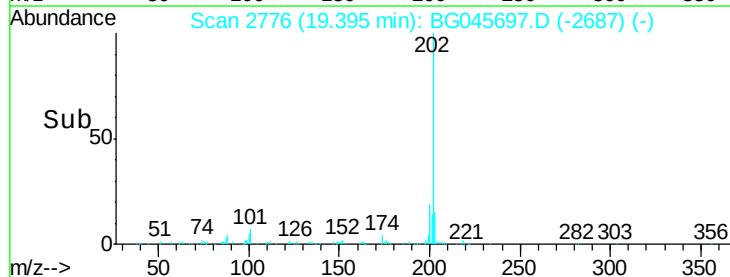
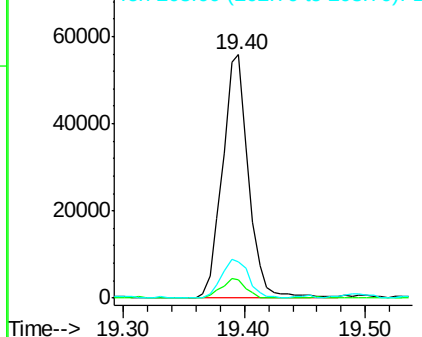


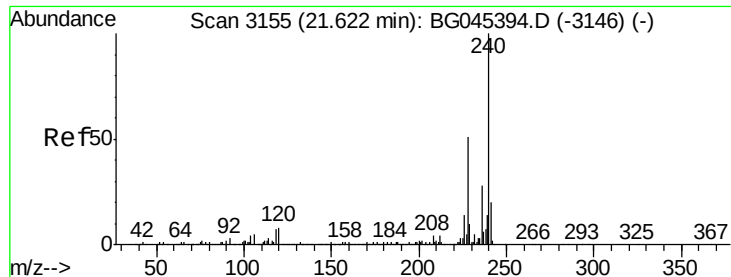
#75
Fluoranthene
Concen: 3.734 ng
RT: 19.40 min Scan# 2776
Delta R.T. -0.01 min
Lab File: BG045697.D
Acq: 10 Jun 2020 18:35

Tgt Ion:202 Resp: 83331
Ion Ratio Lower Upper
202 100
101 7.3 0.0 28.3
203 15.1 0.0 39.0



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: 21.60 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

Instrument :

BNA_G

ClientSampleId :

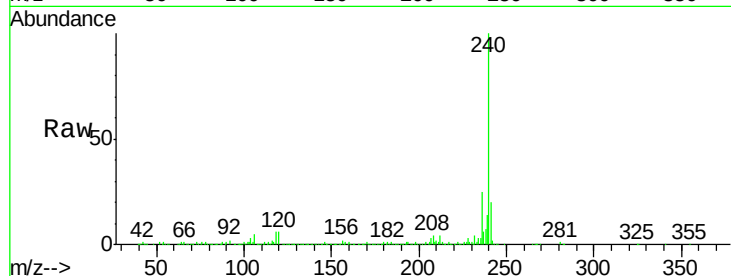
Tot Ion:240 Resp: 400333

Ion Ratio Lower Upper

240 100

120 6.2 6.1 9.1

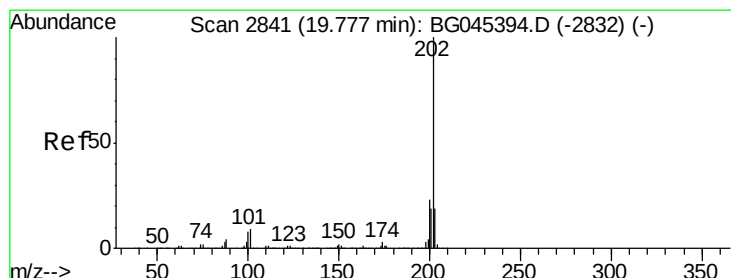
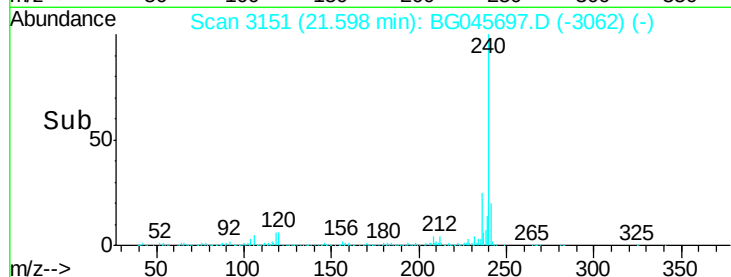
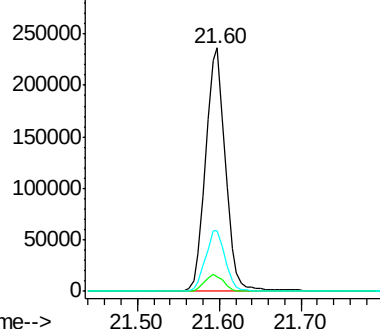
236 24.8 22.3 33.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 3.649 ng

RT: 19.75 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

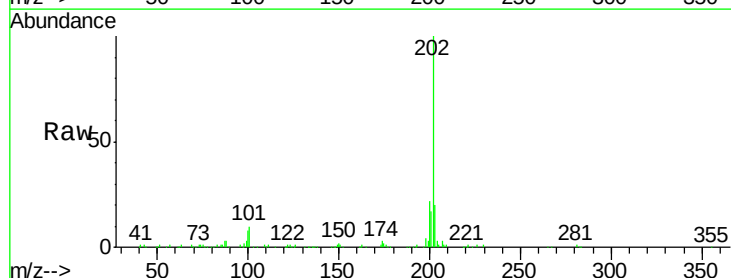
Tgt Ion:202 Resp: 83280

Ion Ratio Lower Upper

202 100

200 21.5 18.2 27.2

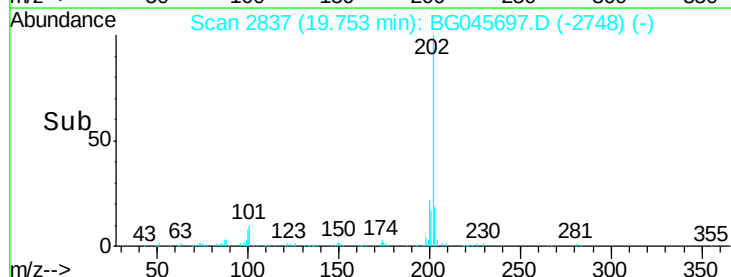
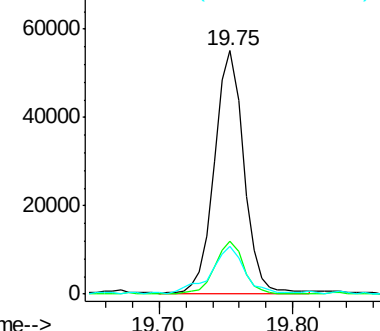
203 19.6 15.1 22.7

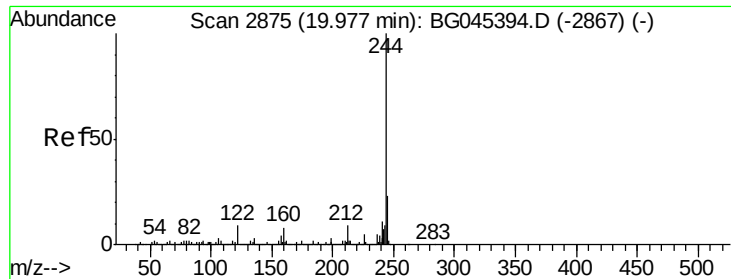


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.497 ng

RT: 19.95 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

Instrument :

BNA_G

ClientSampleId :

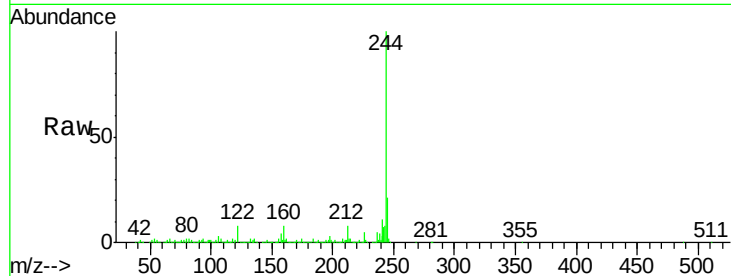
Tot Ion:244 Resp: 1072747

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.0

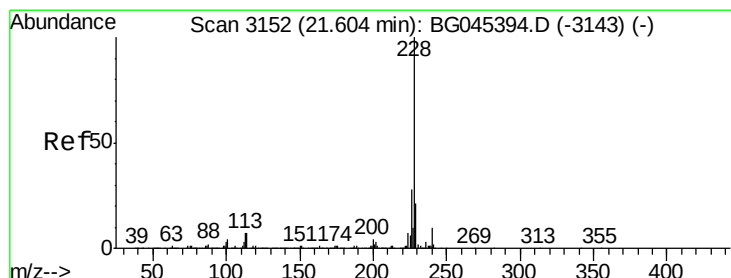
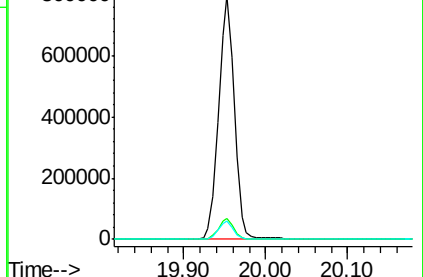
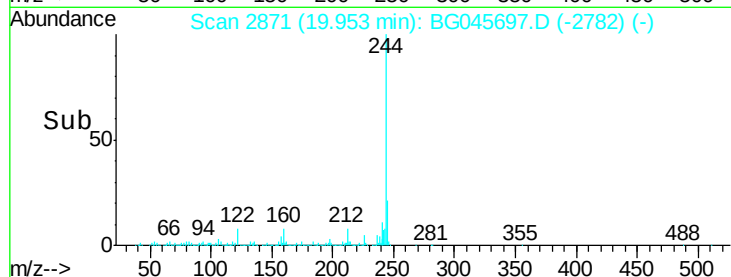
122 7.5 6.8 10.2



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: 2.070 ng

RT: 21.57 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

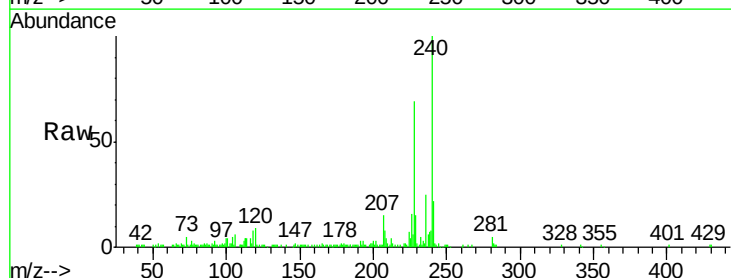
Tgt Ion:228 Resp: 46174

Ion Ratio Lower Upper

228 100

226 23.9 22.7 34.1

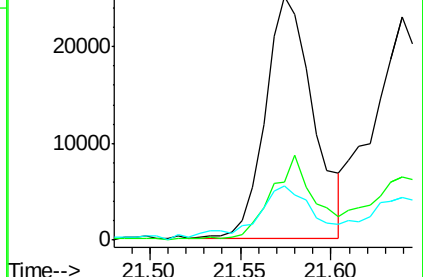
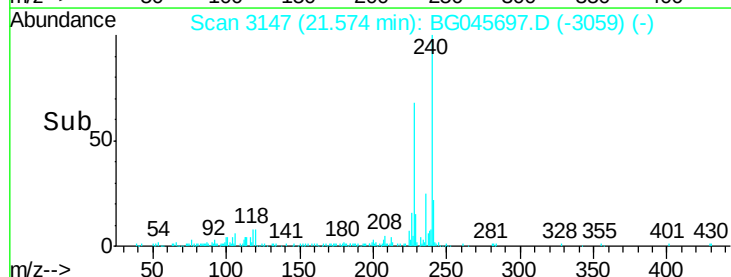
229 22.5 16.7 25.1

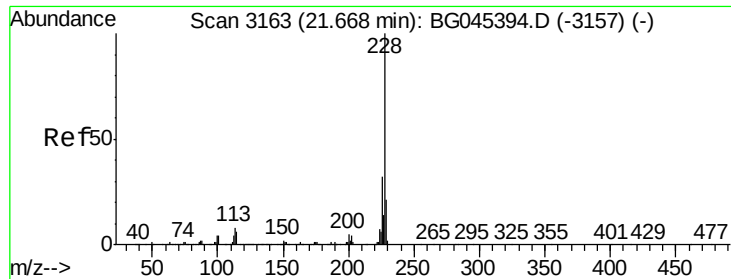


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.130 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

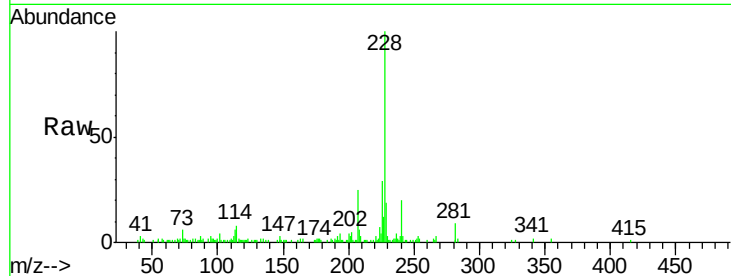
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 45670

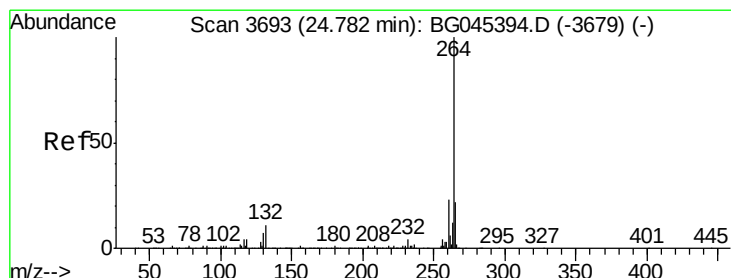
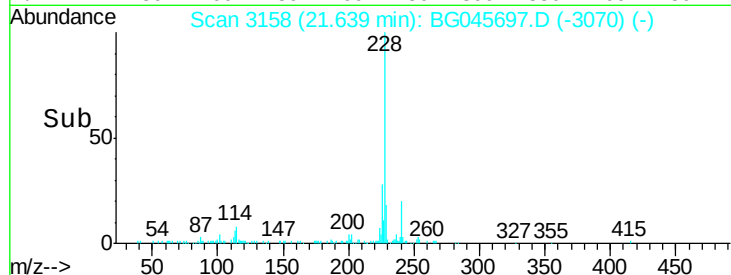
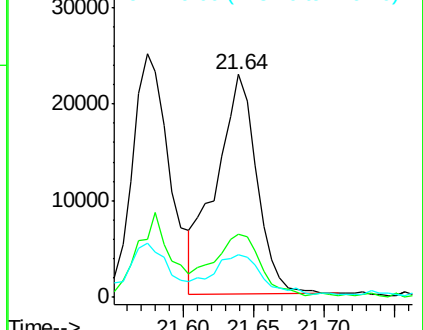
Ion	Ratio	Lower	Upper
228	100		
226	28.5	25.2	37.8
229	18.9	16.7	25.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.73 min Scan# 3685

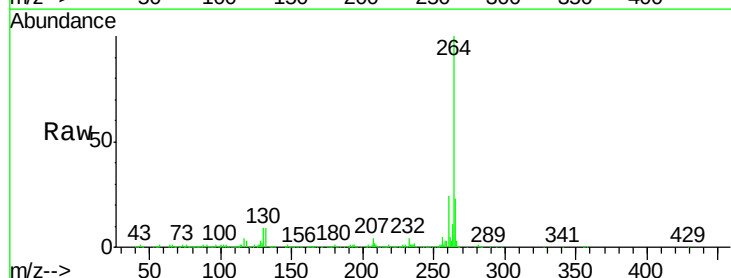
Delta R.T. -0.02 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

Tgt Ion:264 Resp: 437850

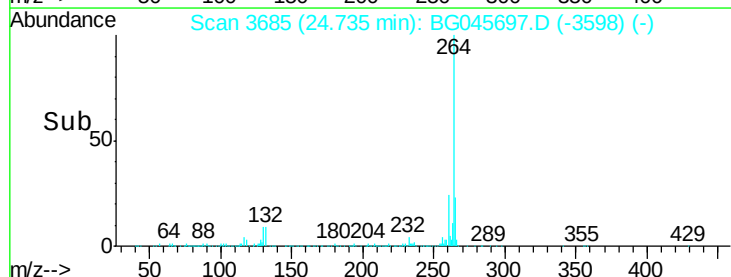
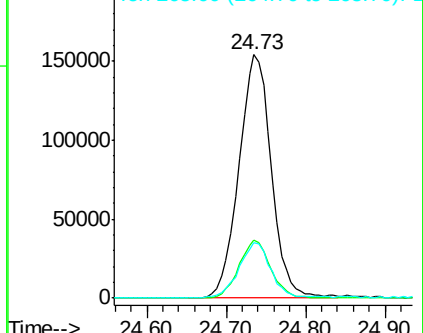
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.4
265	22.8	17.6	26.4

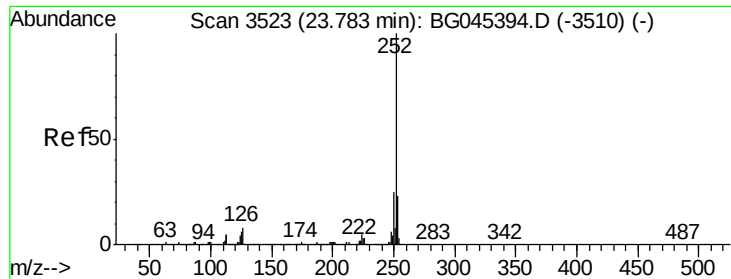


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.780 ng

RT: 23.74 min Scan# 3516

Delta R.T. -0.02 min

Lab File: BG045697.D

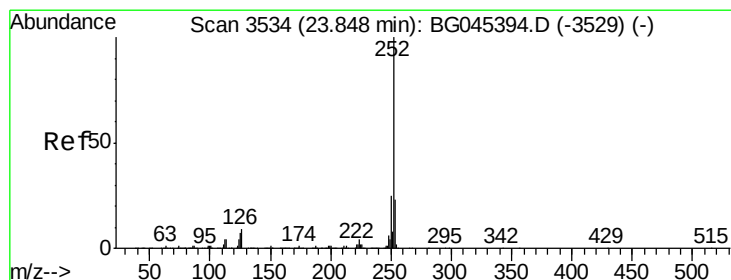
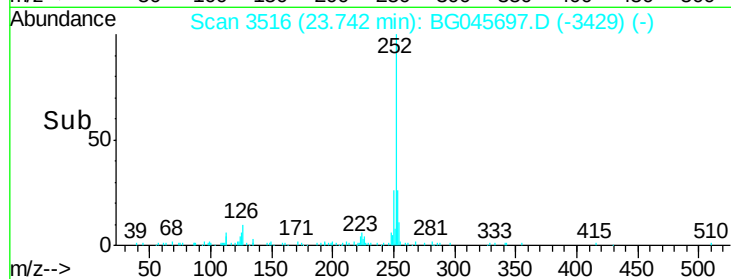
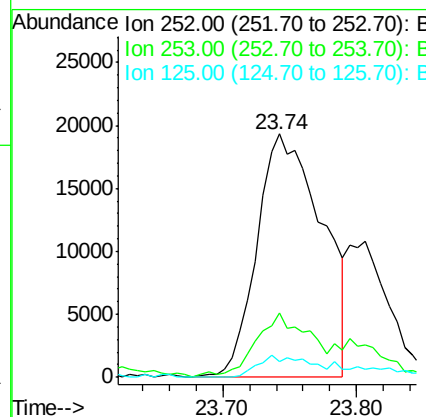
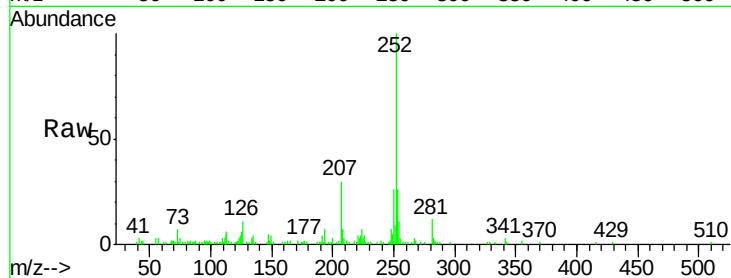
Acq: 10 Jun 2020 18:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252	Resp:	65281
Ion Ratio	Lower	Upper
252	100	
253	26.3	18.1 27.1
125	6.4	5.0 7.6



#89

Benzo(k)fluoranthene

Concen: 2.959 ng

RT: 23.74 min Scan# 3516

Delta R.T. -0.08 min

Lab File: BG045697.D

Acq: 10 Jun 2020 18:35

Tgt Ion:252	Resp:	65281
Ion Ratio	Lower	Upper
252	100	
253	26.3	18.4 27.6
125	6.4	5.7 8.5

