

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052620\
 Data File : BG045466.D
 Acq On : 26 May 2020 20:57
 Operator : CG/JU
 Sample : L2745-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 27 00:58:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 14:16:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	84831	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	339738	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	235844	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	522590	20.00	ng	0.00
76) Chrysene-d12	21.61	240	478259	20.00	ng	0.00
87) Perylene-d12	24.76	264	518985	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	340395	78.42	ng	0.00
7) Phenol-d6	7.18	99	545269	88.26	ng	0.00
23) Nitrobenzene-d5	9.12	82	388206	62.31	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	280891	93.13	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	944162	67.90	ng	0.00
79) Terphenyl-d14	19.96	244	1383648	67.48	ng	0.00

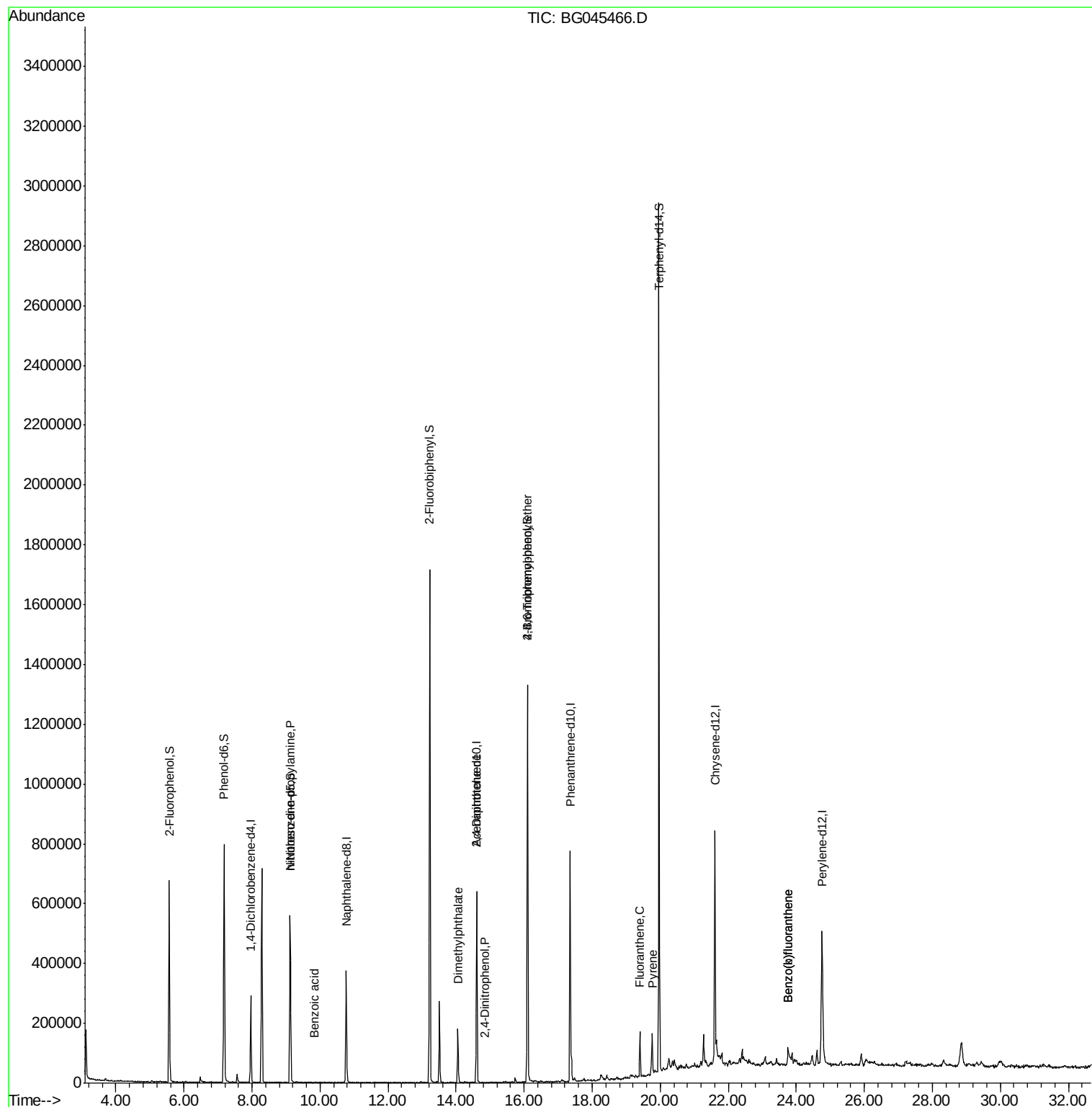
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.12	70	52628	12.318	ng	# 80
32) Benzoic acid	9.83	122	54	10.037	ng	# 1
50) Dimethylphthalate	14.05	163	123690	7.645	ng	# 95
54) 2,4-Dinitrophenol	14.85	184	58	5.482	ng	# 17
57) 2,4-Dinitrotoluene	14.61	165	30014	5.677	ng	# 24
67) 4-Bromophenyl-phenylether	16.10	248	19058	3.368	ng	# 1
75) Fluoranthene	19.41	202	96249	3.317	ng	96
78) Pyrene	19.76	202	89473	3.282	ng	95
88) Benzo(b)fluoranthene	23.76	252	70173	2.521	ng	98
89) Benzo(k)fluoranthene	23.76	252	70173	2.684	ng	99

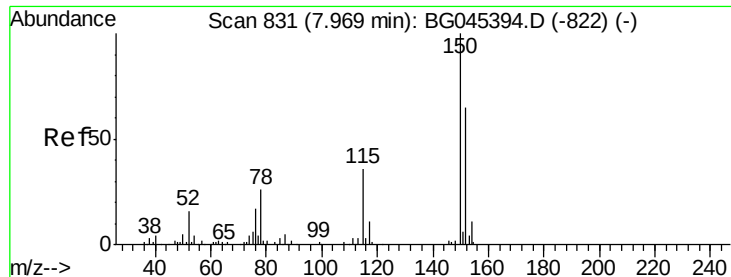
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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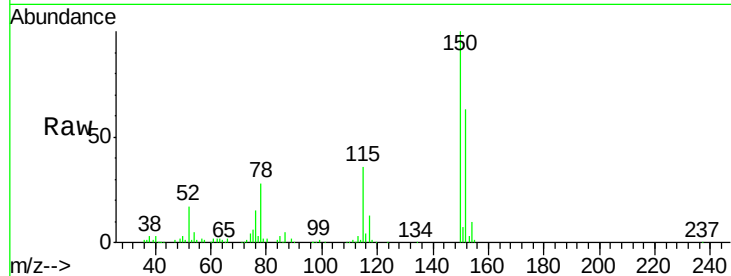


#1

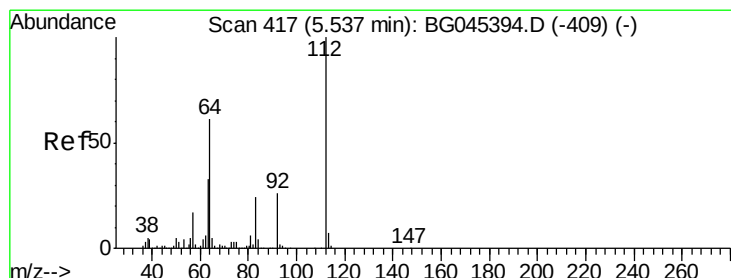
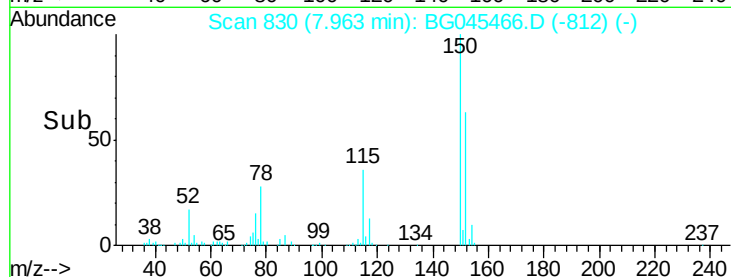
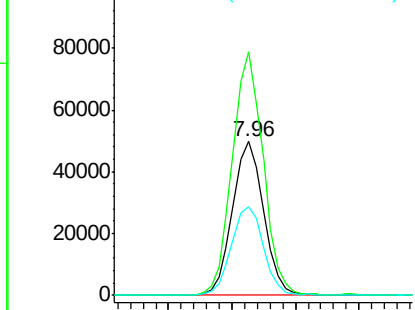
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.01 min
Lab File: BG045466.D
Acq: 26 May 2020 20:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 84831
Ion Ratio Lower Upper
152 100
150 158.2 122.4 183.6
115 57.7 44.2 66.4



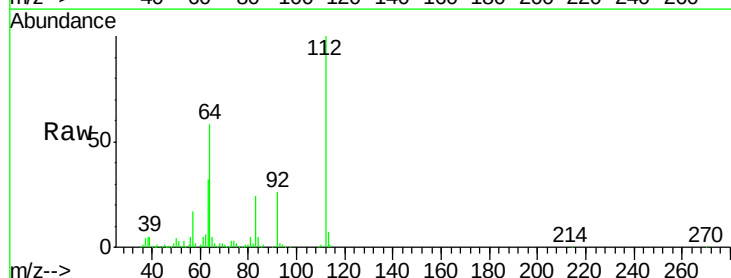
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



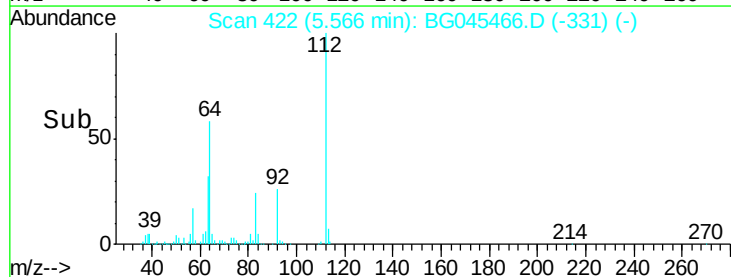
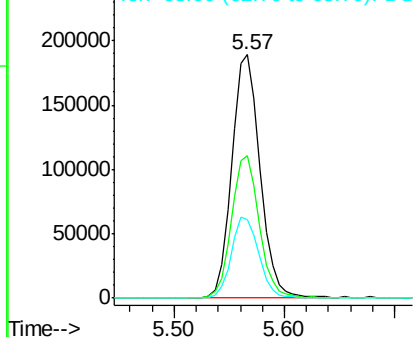
#5

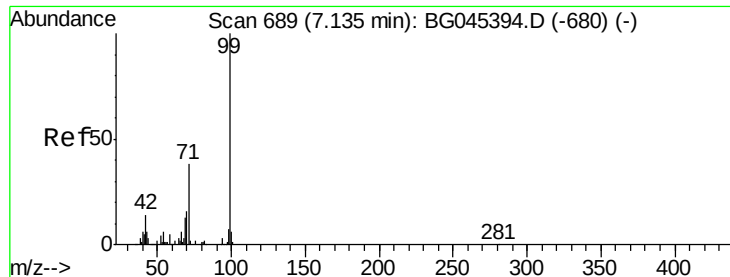
2-Fluorophenol
Concen: 78.419 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG045466.D
Acq: 26 May 2020 20:57

Tgt Ion:112 Resp: 340395
Ion Ratio Lower Upper
112 100
64 58.5 48.6 72.8
63 32.2 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 88.257 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

Instrument :

BNA_G

ClientSampleId :

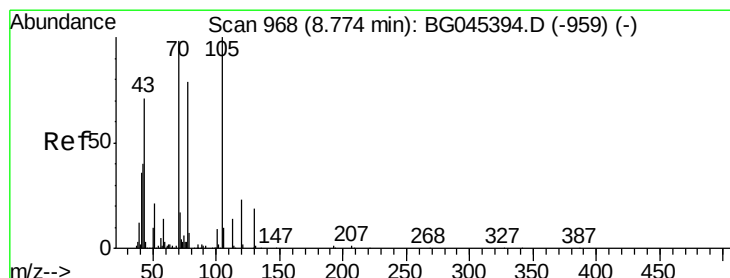
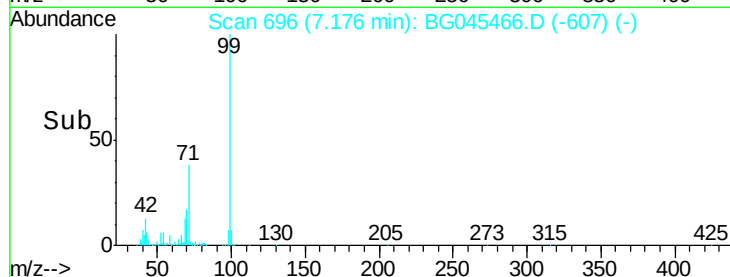
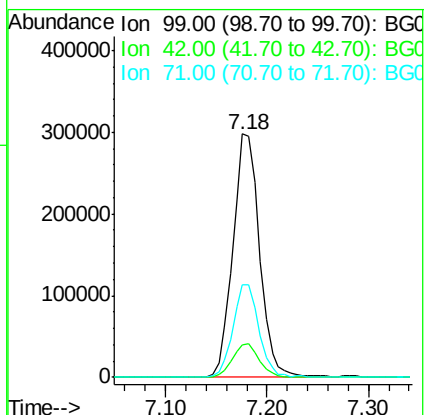
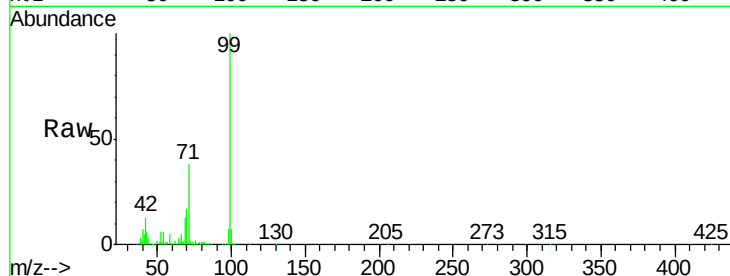
Tot Ion: 99 Resp: 545269

Ion Ratio Lower Upper

99 100

42 13.4 11.3 16.9

71 38.0 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.318 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.35 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

Tgt Ion: 70 Resp: 52628

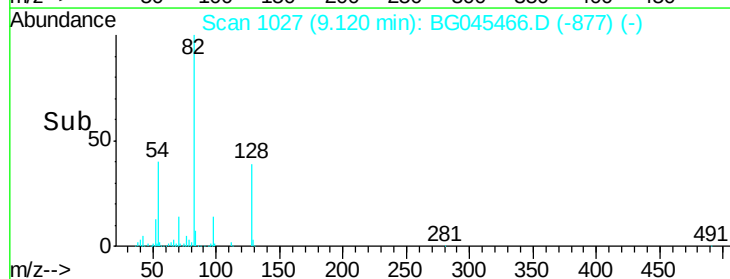
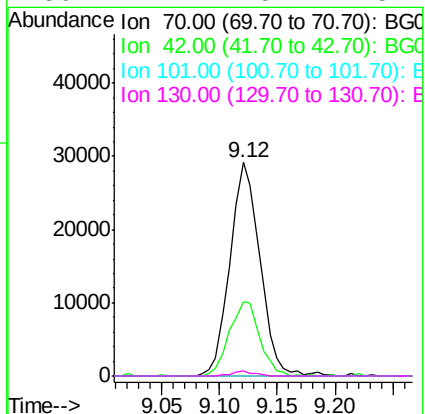
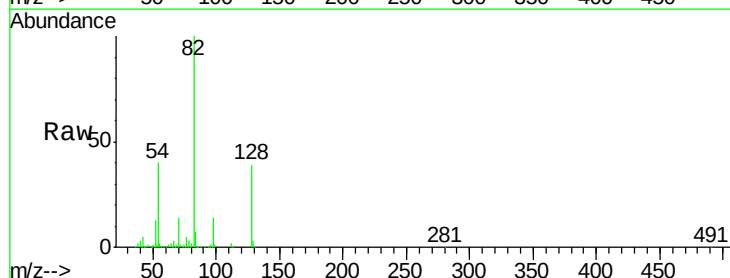
Ion Ratio Lower Upper

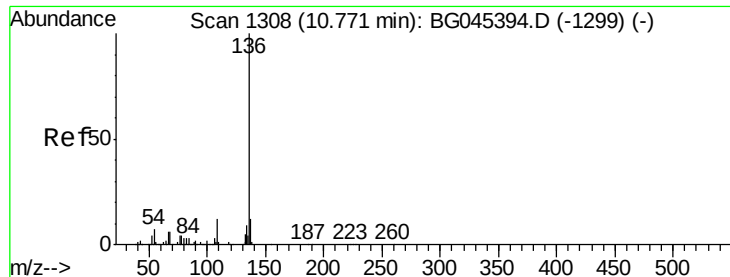
70 100

42 34.7 33.2 49.8

101 0.0 7.8 11.6#

130 2.4 15.4 23.2#

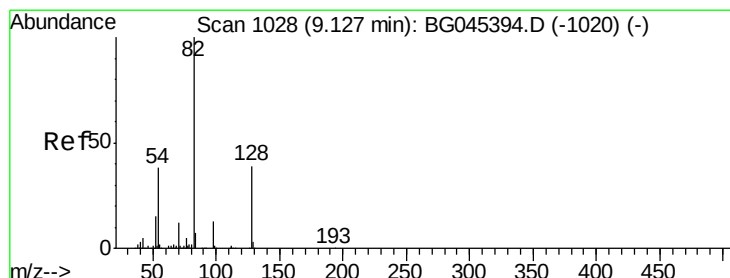
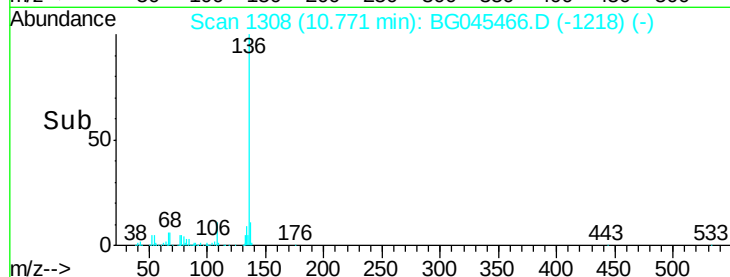
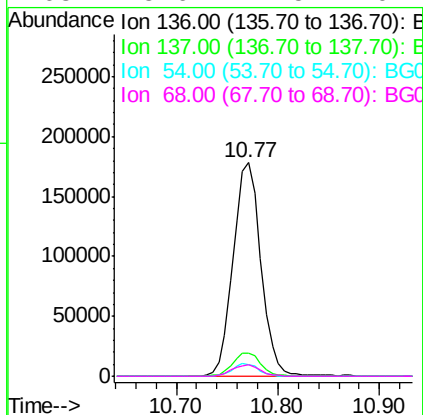
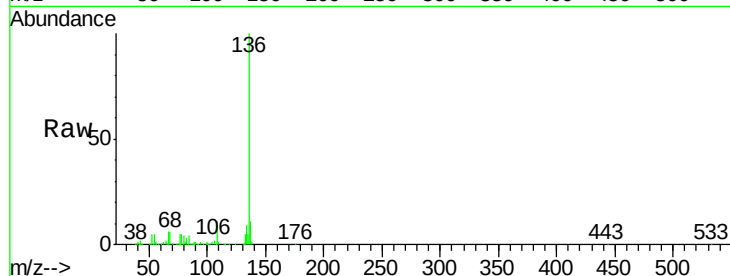




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BG045466.D
Acq: 26 May 2020 20:57

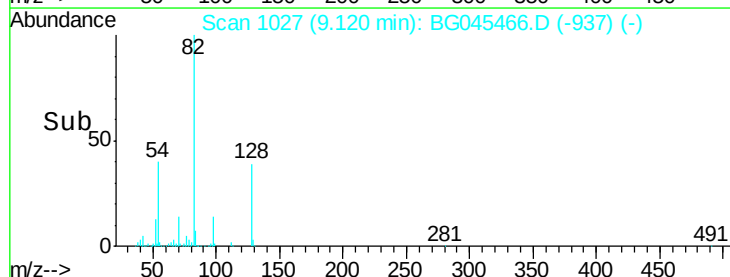
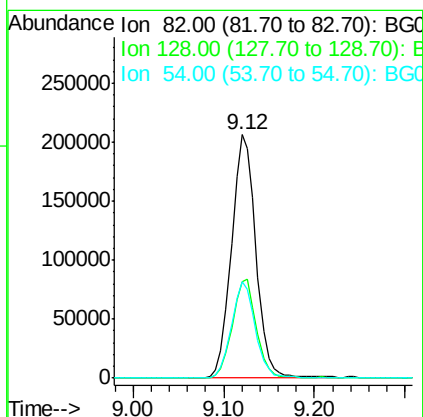
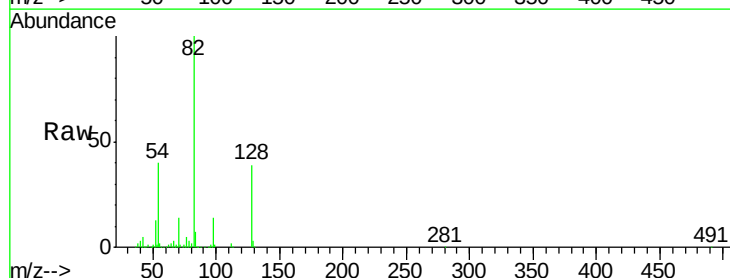
Instrument :
BNA_G
ClientSampleId :

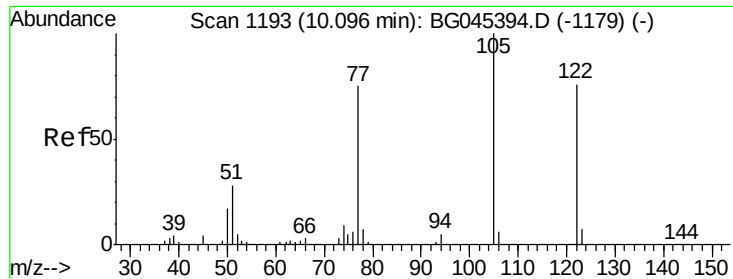
Tot Ion:136	Resp:	339738
Ion Ratio	Lower	Upper
136 100		
137 10.8	9.4	14.2
54 5.5	5.8	8.6#
68 5.6	4.5	6.7



#23
Nitrobenzene-d5
Concen: 62.311 ng
RT: 9.12 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BG045466.D
Acq: 26 May 2020 20:57

Tgt Ion: 82	Resp: 388206
Ion Ratio	Lower Upper
82 100	
128 39.4	30.9 46.3
54 39.5	30.3 45.5

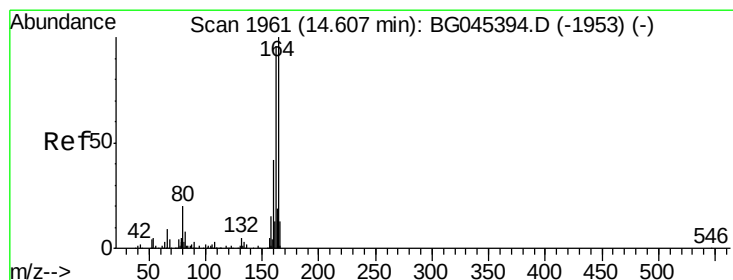
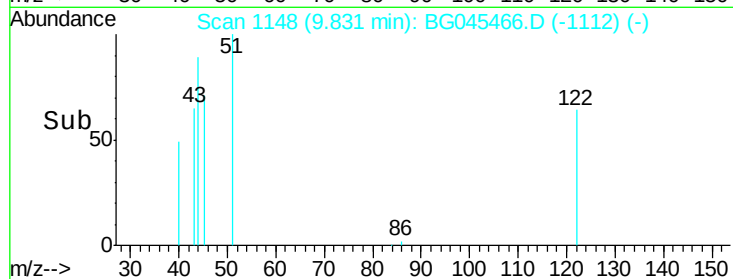
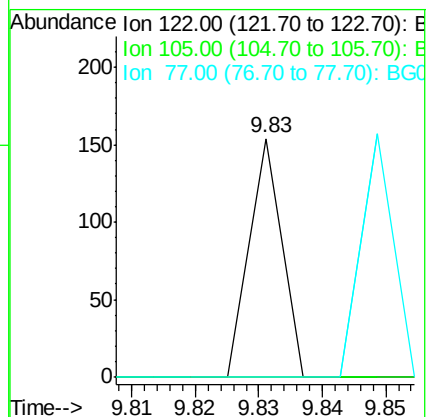
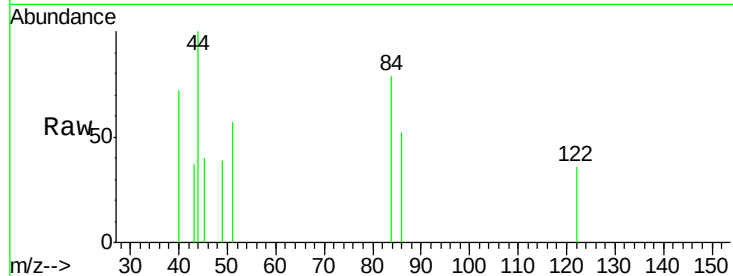




#32
Benzoic acid
Concen: 10.037 ng
RT: 9.83 min Scan# 1148
Delta R.T. -0.32 min
Lab File: BG045466.D
Acq: 26 May 2020 20:57

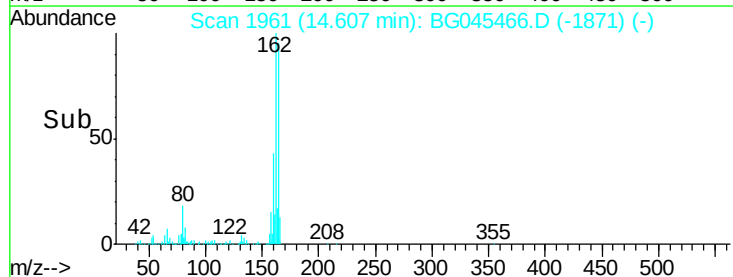
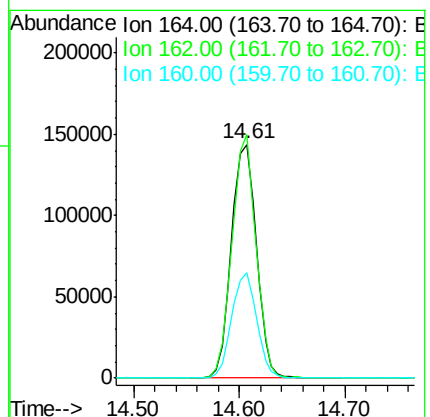
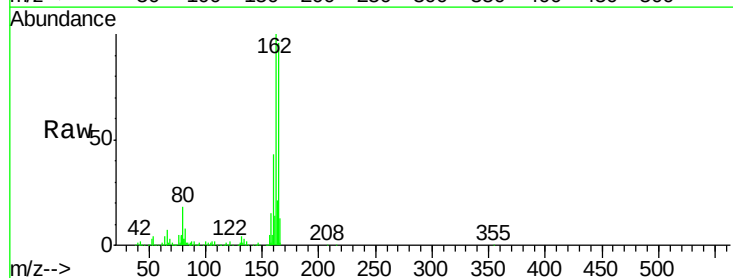
Instrument :
BNA_G
ClientSampleId :

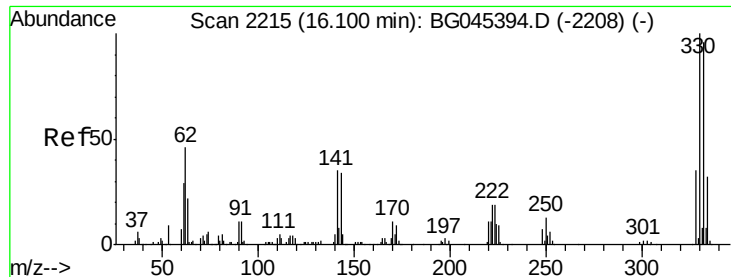
Tot Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 0.0 78.9 118.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.61 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BG045466.D
Acq: 26 May 2020 20:57

Tgt Ion:164 Resp: 235844
Ion Ratio Lower Upper
164 100
162 104.2 76.9 115.3
160 45.2 33.8 50.8





#42

2,4,6-Tribromophenol

Concen: 93.128 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

Instrument :

BNA_G

ClientSampleId :

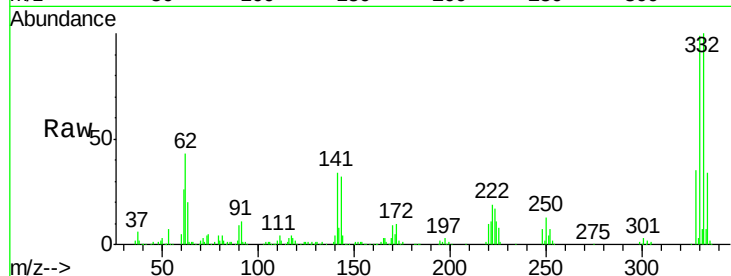
Tot Ion:330 Resp: 280891

Ion Ratio Lower Upper

330 100

332 96.7 78.2 117.4

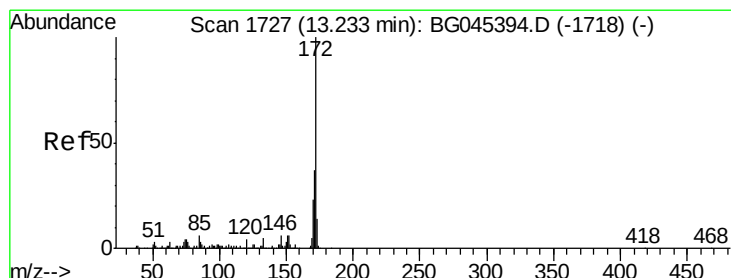
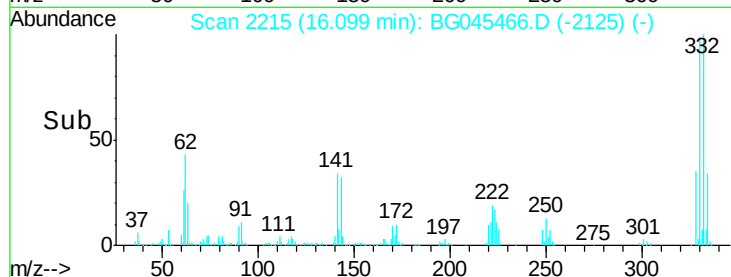
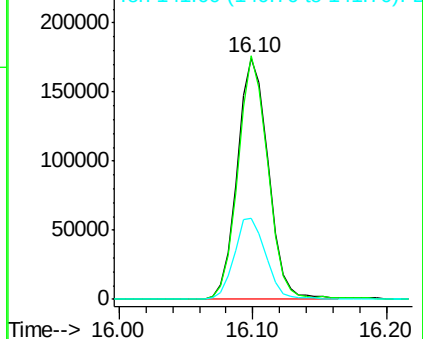
141 34.6 28.2 42.4



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: 67.905 ng

RT: 13.23 min Scan# 1726

Delta R.T. -0.00 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

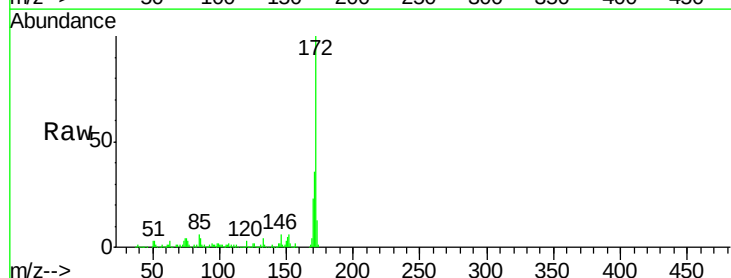
Tgt Ion:172 Resp: 944162

Ion Ratio Lower Upper

172 100

171 35.9 29.5 44.3

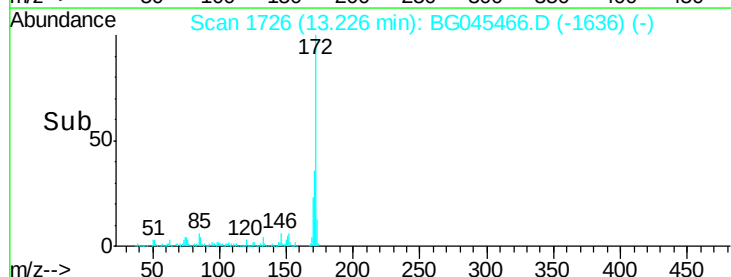
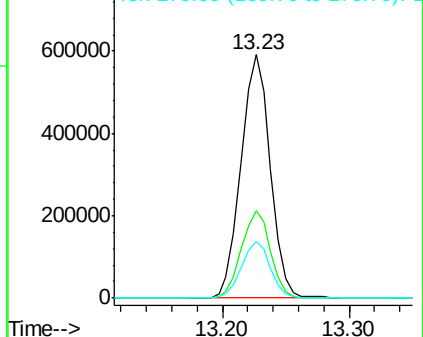
170 23.2 18.5 27.7

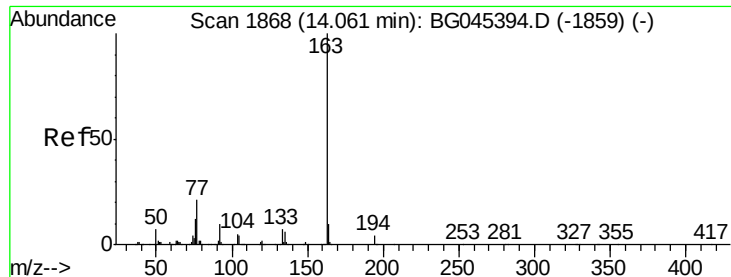


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.645 ng

RT: 14.05 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

Instrument :

BNA_G

ClientSampleId :

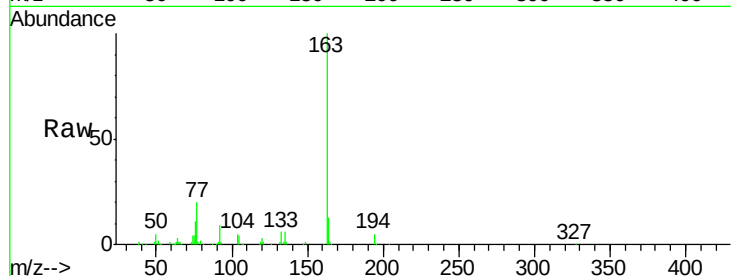
Tot Ion:163 Resp: 123690

Ion Ratio Lower Upper

163 100

194 4.5 3.2 4.8

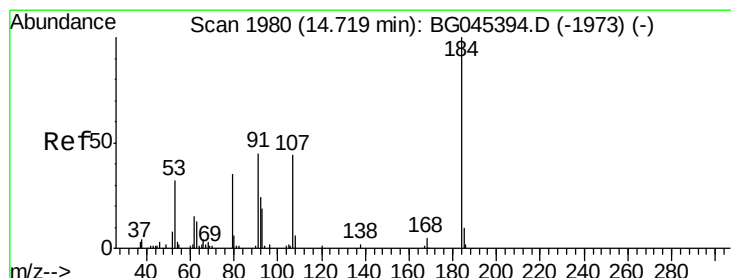
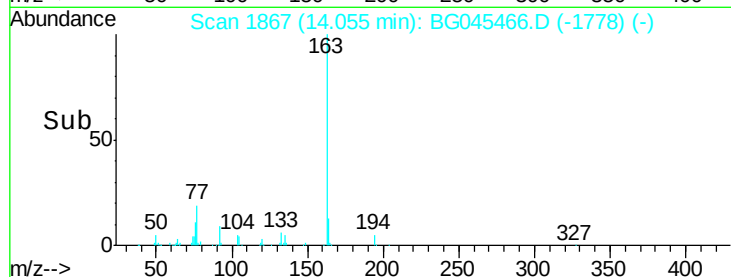
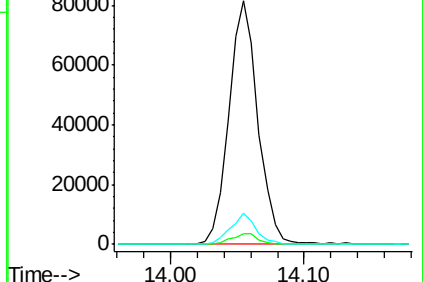
164 13.0 8.3 12.5#



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: 5.482 ng

RT: 14.85 min Scan# 2003

Delta R.T. 0.13 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

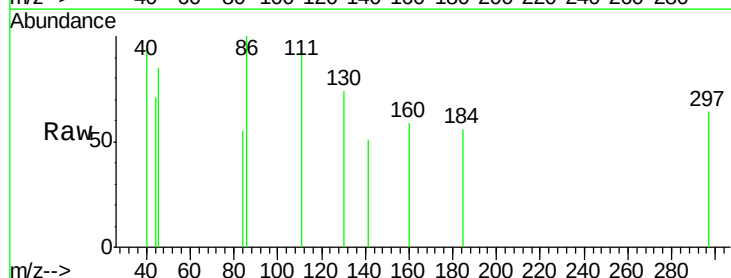
Tgt Ion:184 Resp: 58

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

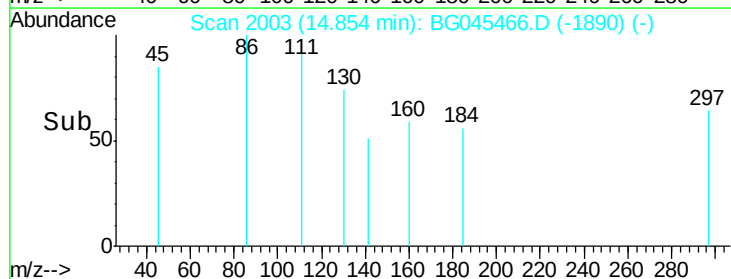
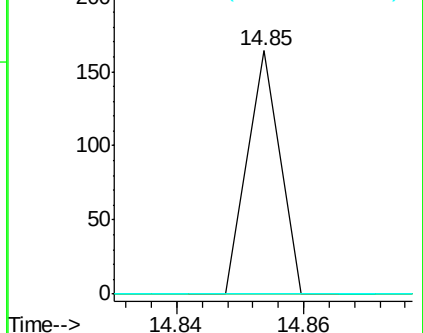
154 0.0 58.3 87.5#

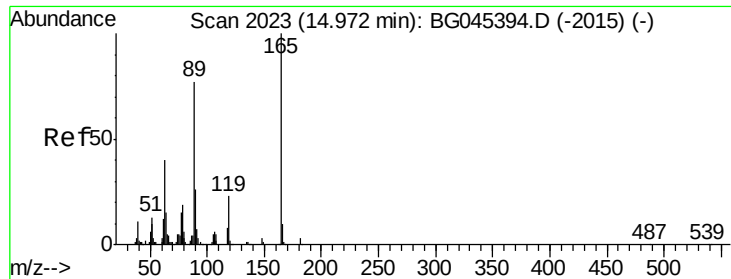


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

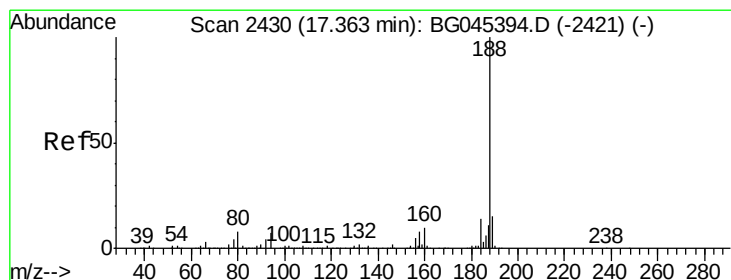
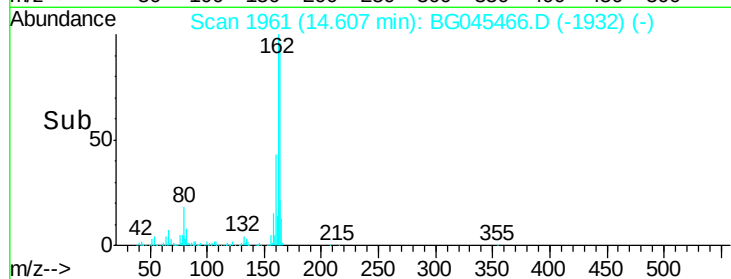
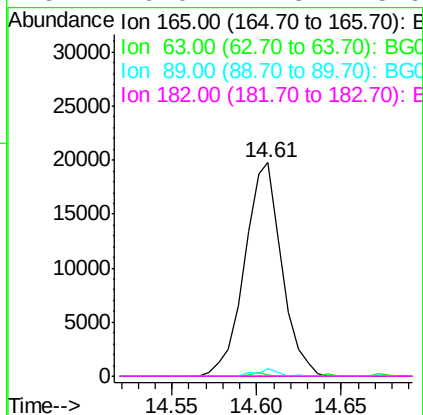
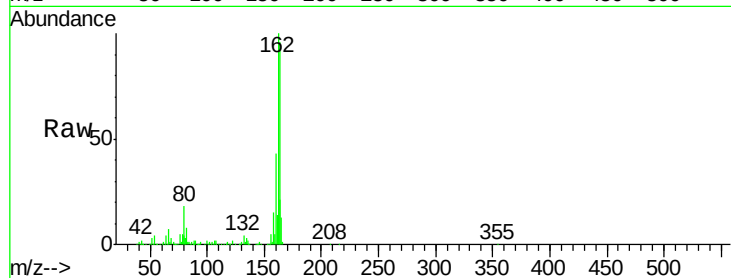




#57
 2,4-Dinitrotoluene
 Concen: 5.677 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. -0.36 min
 Lab File: BG045466.D
 Acq: 26 May 2020 20:57

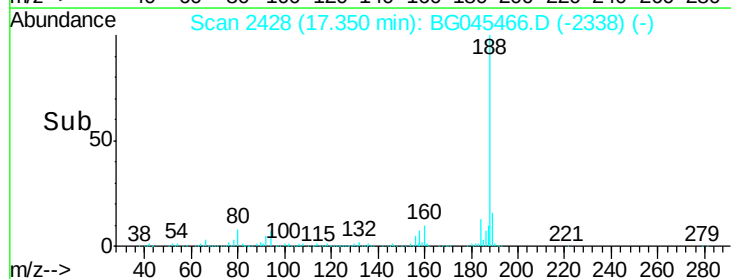
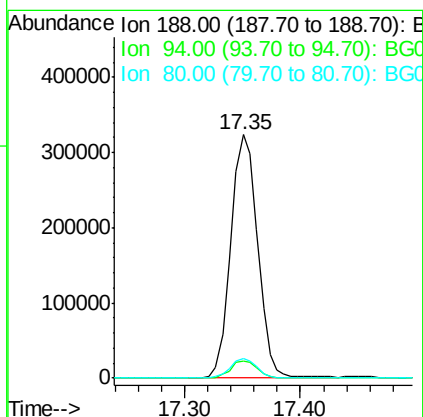
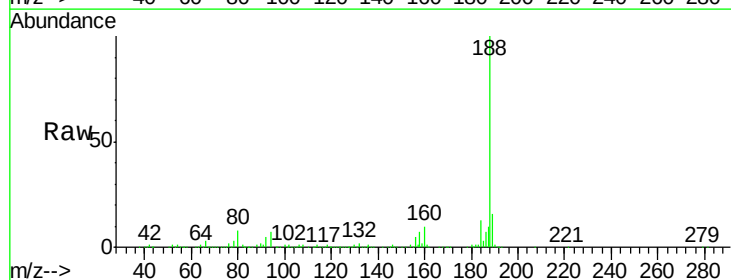
Instrument :
 BNA_G
 ClientSampleId :

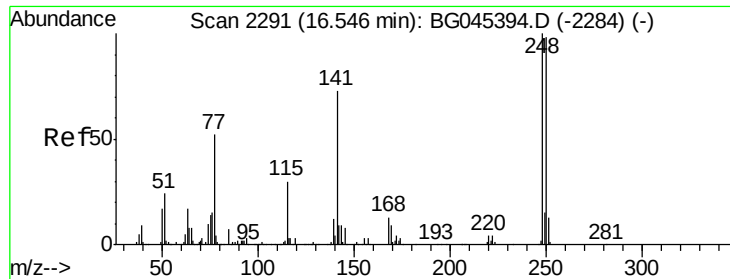
Tot Ion:165	Resp: 30014
Ion Ratio	Lower Upper
165 100	
63 0.9	32.5 48.7#
89 3.3	61.8 92.6#
182 0.0	2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BG045466.D
 Acq: 26 May 2020 20:57

Tgt Ion:188	Resp: 522590
Ion Ratio	Lower Upper
188 100	
94 7.1	5.5 8.3
80 7.8	6.6 10.0

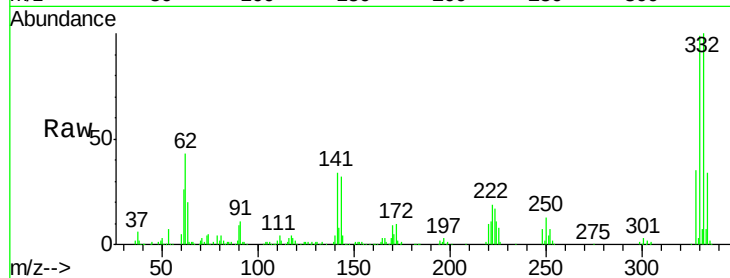




#67
 4-Bromophenyl-phenylether
 Concen: 3.368 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.44 min
 Lab File: BG045466.D
 Acq: 26 May 2020 20:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	183.3	78.6	117.8#
141	458.3	58.2	87.2#

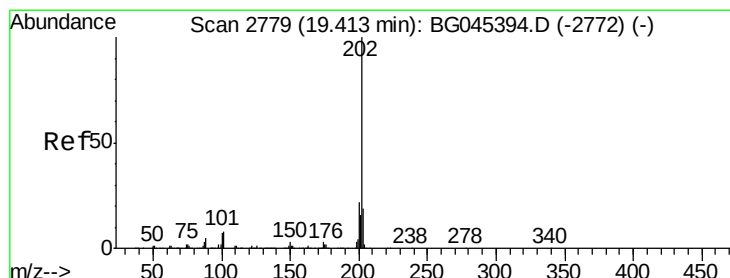
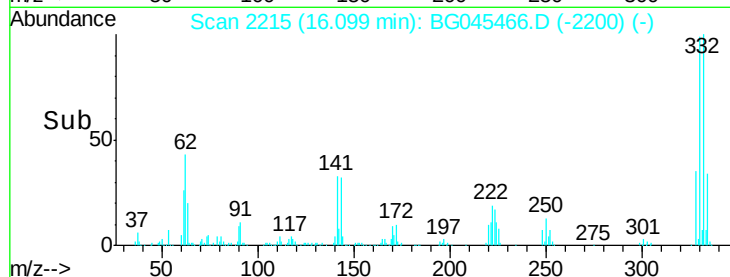
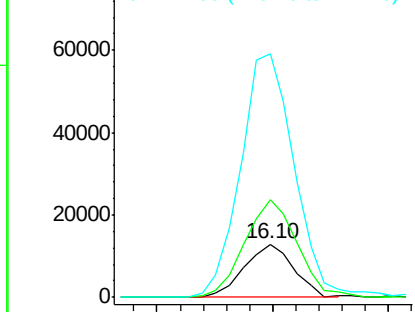


Abundance

Ion 248.00 (247.70 to 248.70): E

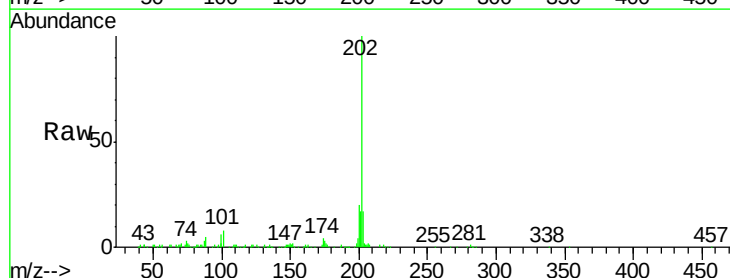
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
 Fluoranthene
 Concen: 3.317 ng
 RT: 19.41 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: BG045466.D
 Acq: 26 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	28.3
203	17.0	0.0	39.0

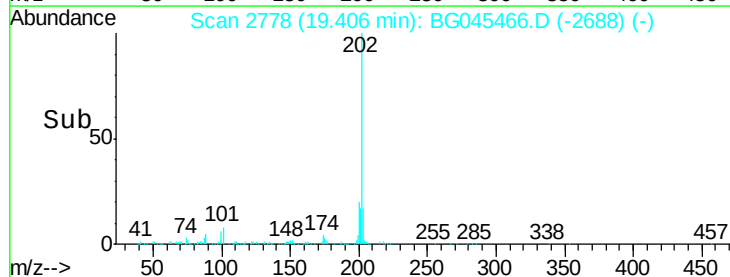
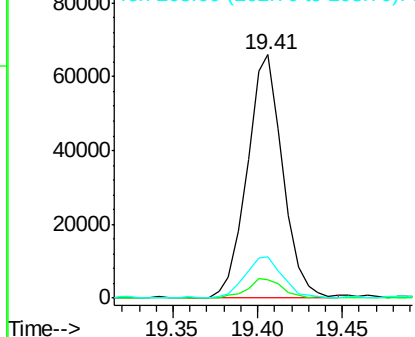


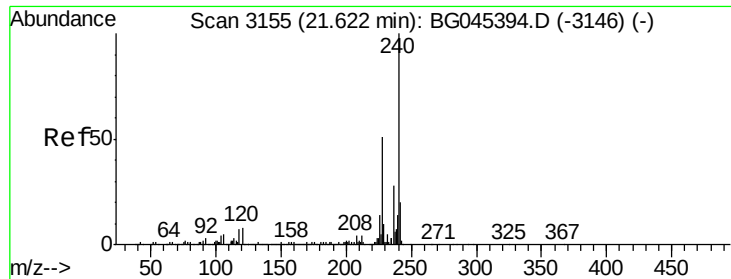
Abundance

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: 21.61 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

Instrument :

BNA_G

ClientSampleId :

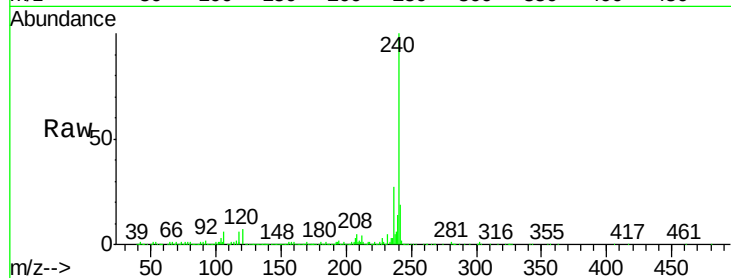
Tot Ion:240 Resp: 478259

Ion Ratio Lower Upper

240 100

120 6.8 6.1 9.1

236 26.7 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

21.61

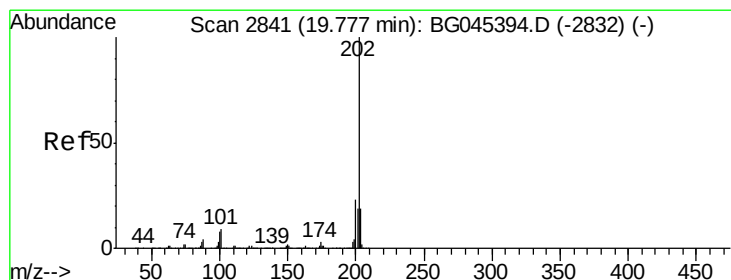
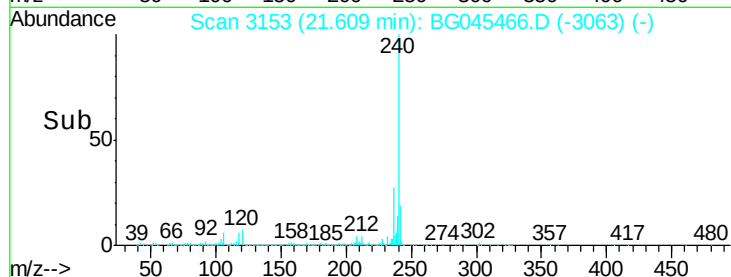
300000

200000

100000

0

Time--> 21.50 21.60 21.70



#78

Pyrene

Concen: 3.282 ng

RT: 19.76 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

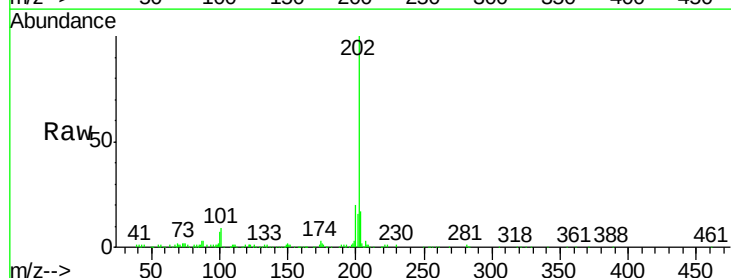
Tgt Ion:202 Resp: 89473

Ion Ratio Lower Upper

202 100

200 19.6 18.2 27.2

203 17.3 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

19.76

80000

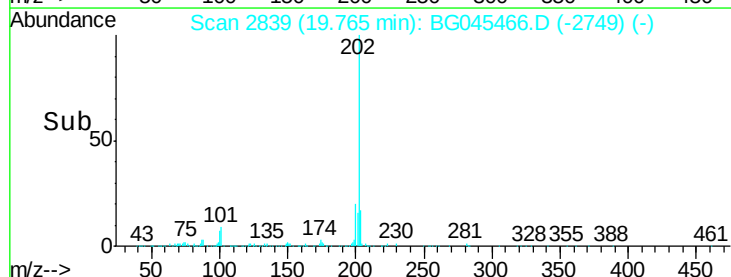
60000

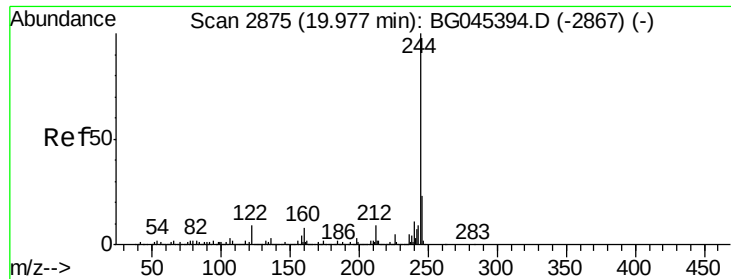
40000

20000

0

Time--> 19.70 19.80





#79

Terphenyl-d14

Concen: 67.476 ng

RT: 19.96 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

Instrument :

BNA_G

ClientSampled :

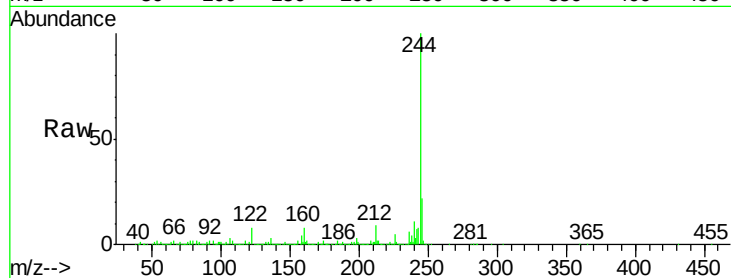
Tot Ion:244 Resp: 1383648

Ion Ratio Lower Upper

244 100

212 9.1 7.4 11.0

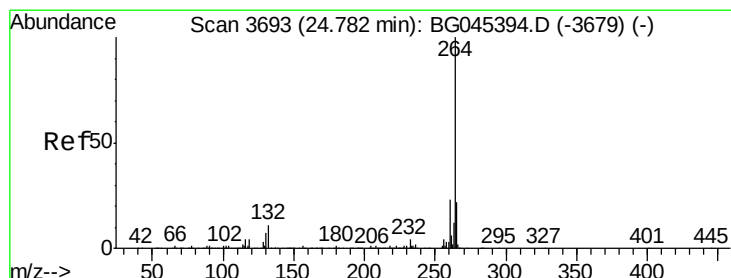
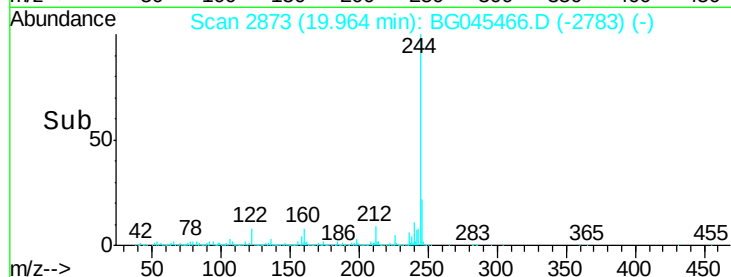
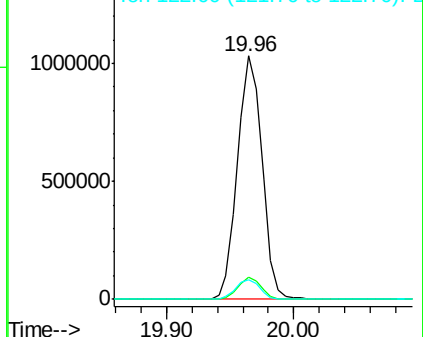
122 8.3 6.8 10.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3689

Delta R.T. -0.00 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

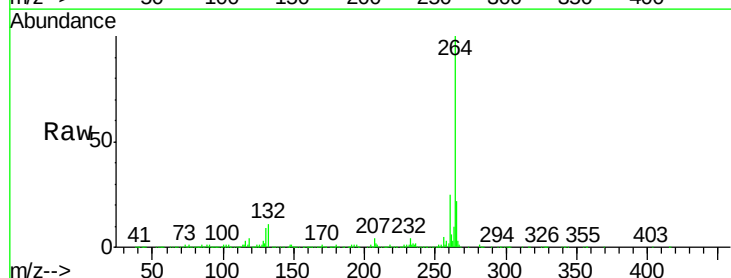
Tgt Ion:264 Resp: 518985

Ion Ratio Lower Upper

264 100

260 25.0 18.2 27.4

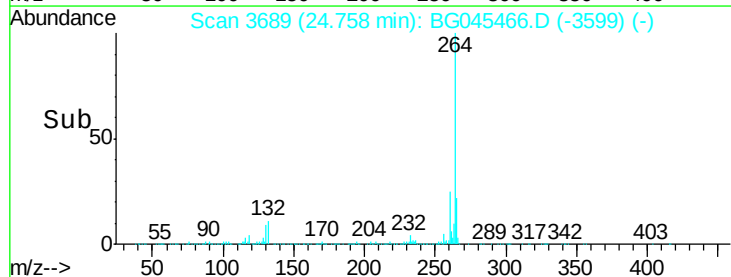
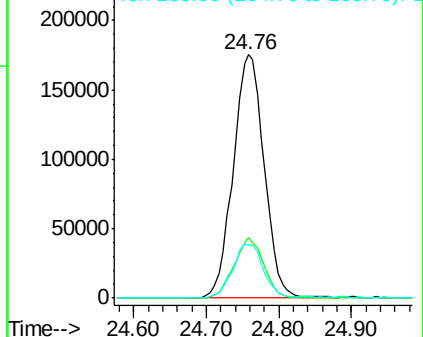
265 22.0 17.6 26.4

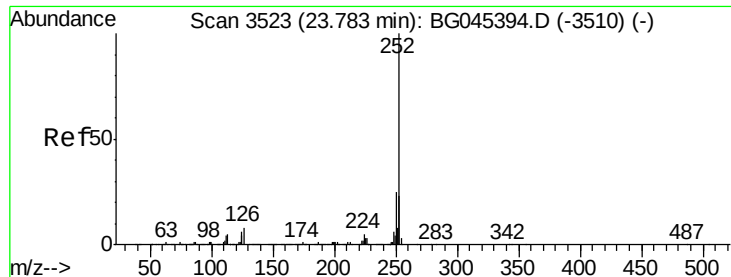


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.521 ng

RT: 23.76 min Scan# 3519

Delta R.T. -0.01 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

Instrument :

BNA_G

ClientSampleId :

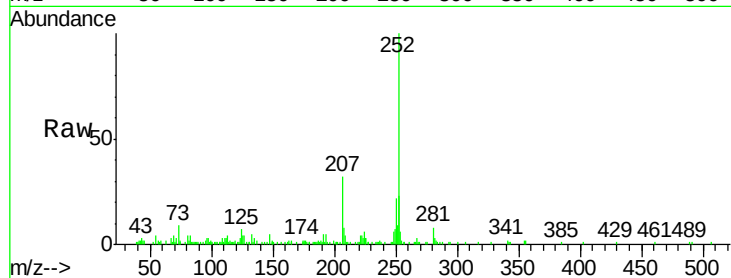
Tot Ion:252 Resp: 70173

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

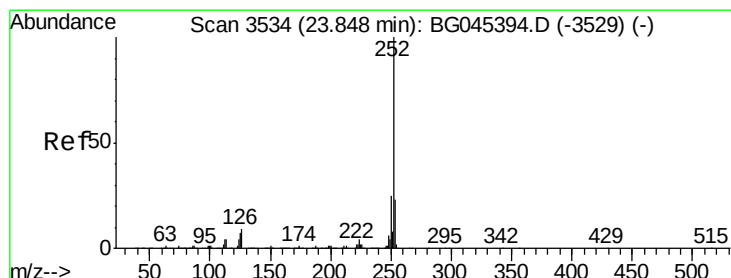
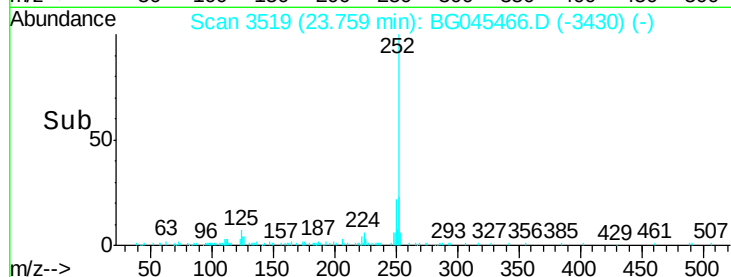
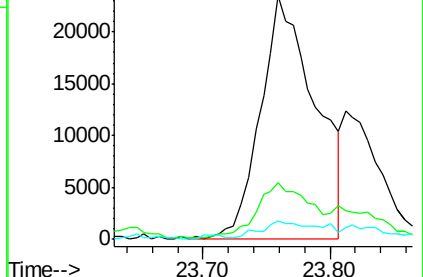
125 7.3 5.0 7.6



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



#89

Benzo(k)fluoranthene

Concen: 2.684 ng

RT: 23.76 min Scan# 3519

Delta R.T. -0.08 min

Lab File: BG045466.D

Acq: 26 May 2020 20:57

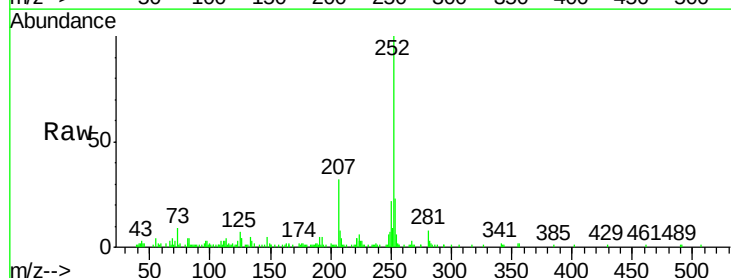
Tgt Ion:252 Resp: 70173

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

125 7.3 5.7 8.5



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

