

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
 Data File : BG045489.D
 Acq On : 27 May 2020 23:42
 Operator : CG/JU
 Sample : L2746-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 28 00:46:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 13:40:45 2020
 Response via : Initial Calibration

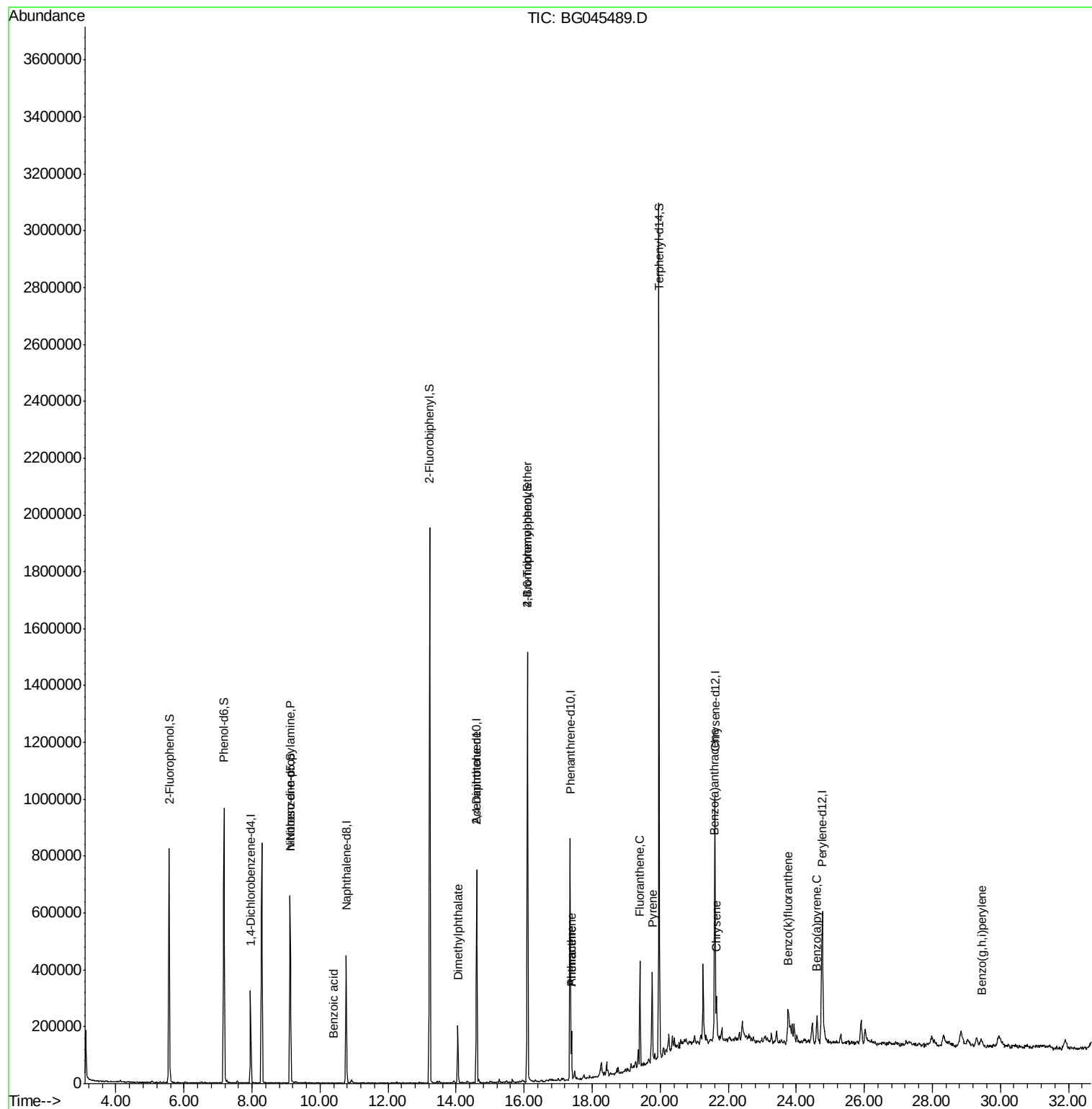
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	100435	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	399334	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	273160	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	568947	20.00	ng	0.00
76) Chrysene-d12	21.61	240	497130	20.00	ng	0.00
87) Perylene-d12	24.76	264	540770	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	418548	81.44	ng	0.00
7) Phenol-d6	7.18	99	645869	88.30	ng	0.00
23) Nitrobenzene-d5	9.12	82	456376	62.32	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	311556	89.18	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1060792	65.87	ng	0.00
79) Terphenyl-d14	19.96	244	1450538	68.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	62901	12.436	ng	Qvalue # 79
32) Benzoic acid	10.41	122	62	10.037	ng	# 1
50) Dimethylphthalate	14.05	163	135924	7.254	ng	97
57) 2,4-Dinitrotoluene	14.60	165	35177	5.744	ng	# 24
67) 4-Bromophenyl-phenylether	16.10	248	21498	3.490	ng	# 1
71) Phenanthrene	17.39	178	103990	4.187	ng	98
72) Anthracene	17.39	178	103990	4.169	ng	98
75) Fluoranthene	19.40	202	239825	7.591	ng	99
78) Pyrene	19.76	202	215367	7.600	ng	96
81) Benzo(a)anthracene	21.59	228	124846	4.508	ng	97
83) Chrysene	21.66	228	104875	3.938	ng	98
89) Benzo(k)fluoranthene	23.77	252	152775	5.607	ng	97
90) Benzo(a)pyrene	24.60	252	114067	4.223	ng	# 92
92) Benzo(a,h,i)perylene	29.45	276	61640	2.271	ng	# 88

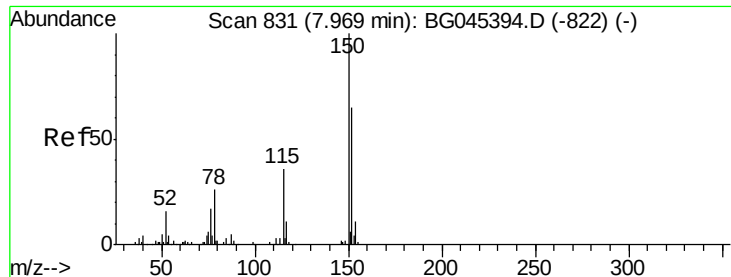
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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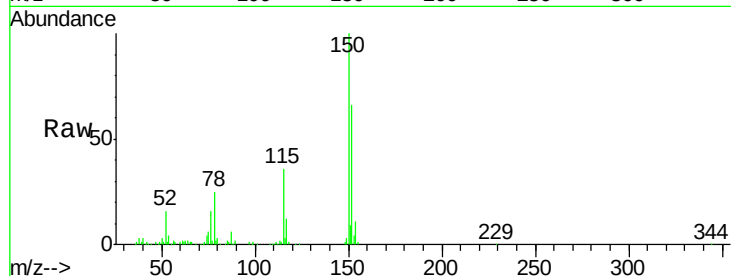


#1

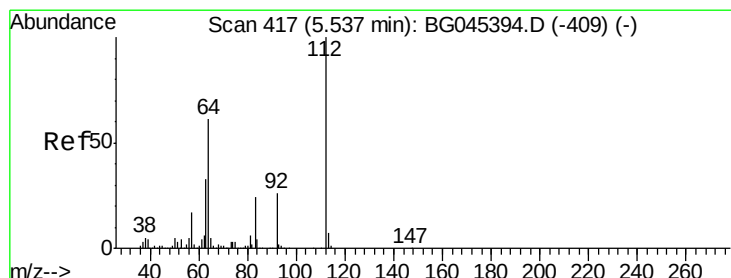
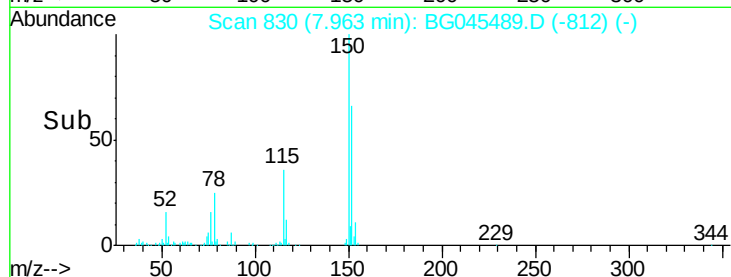
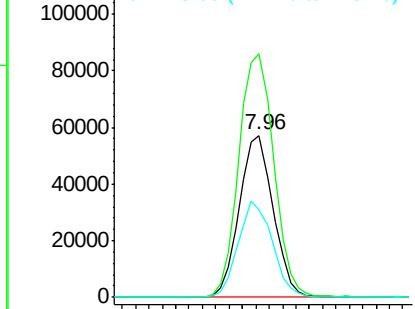
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG045489.D
Acq: 27 May 2020 23:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	122.4	183.6
115	54.3	44.2	66.4



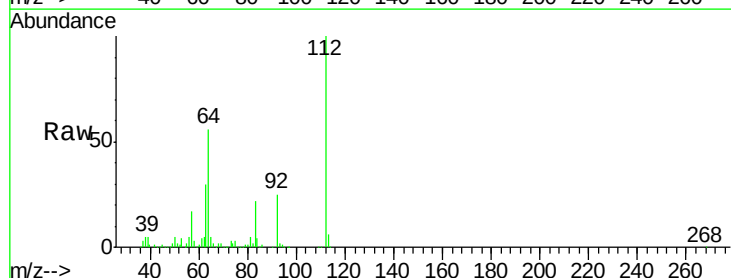
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



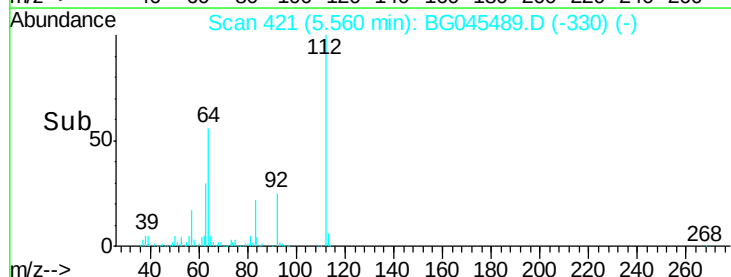
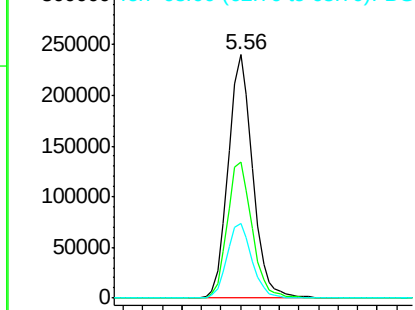
#5

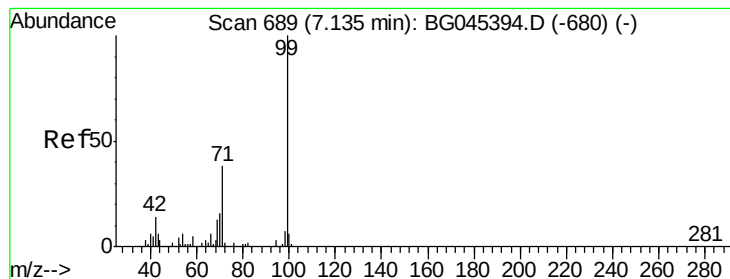
2-Fluorophenol
Concen: 81.442 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045489.D
Acq: 27 May 2020 23:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	48.6	72.8
63	30.4	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: 88.299 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

Instrument :

BNA_G

ClientSampled :

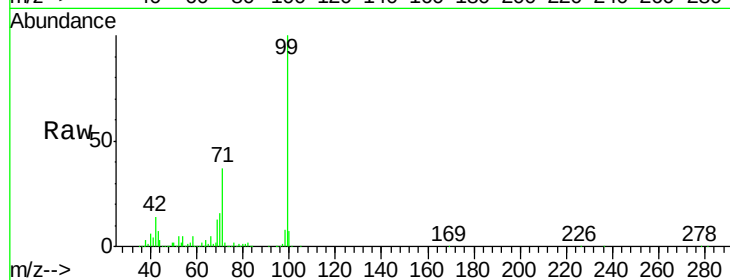
Tot Ion: 99 Resp: 645869

Ion Ratio Lower Upper

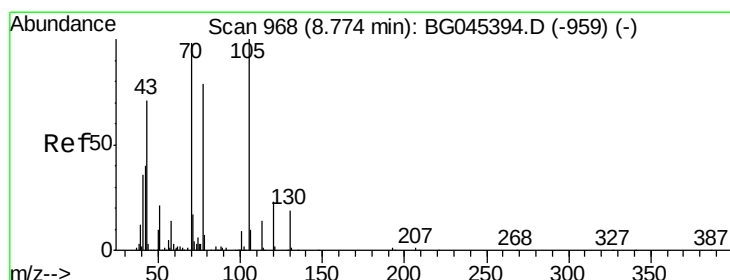
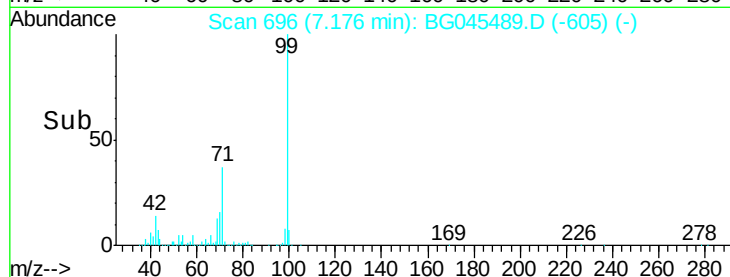
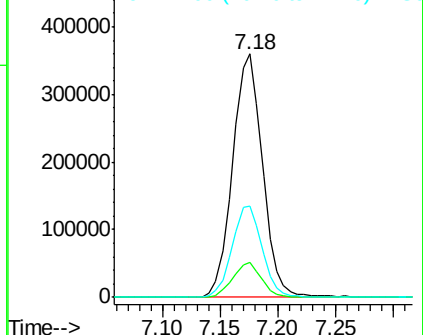
99 100

42 14.1 11.3 16.9

71 37.4 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: 12.436 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.36 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

Tgt Ion: 70 Resp: 62901

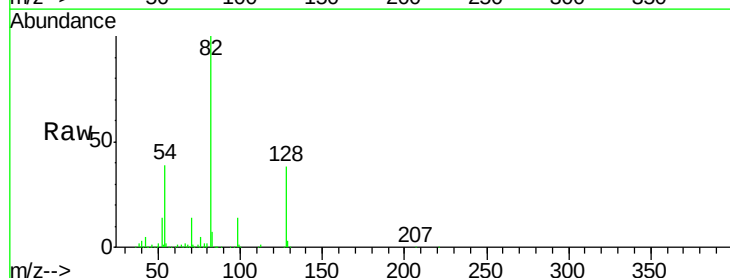
Ion Ratio Lower Upper

70 100

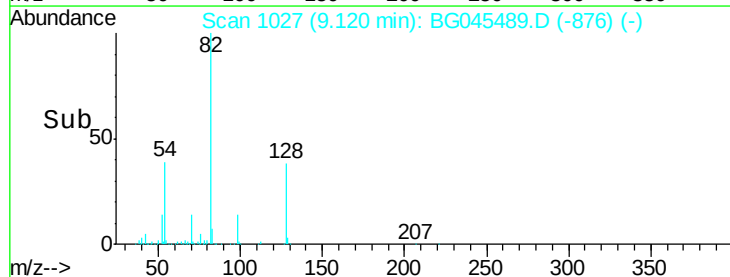
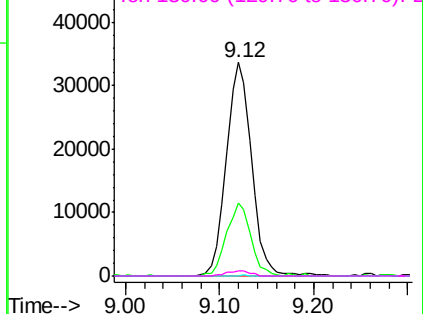
42 34.2 33.2 49.8

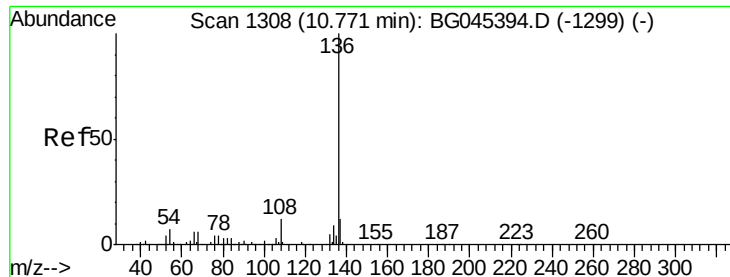
101 0.0 7.8 11.6#

130 2.4 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

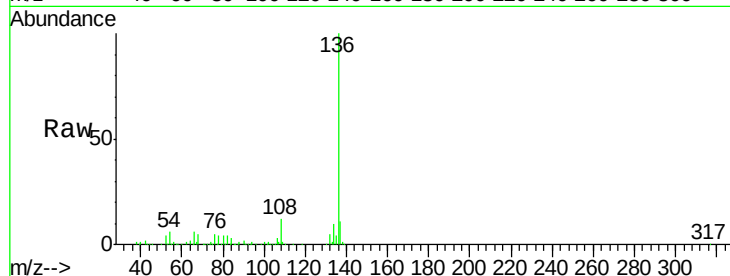




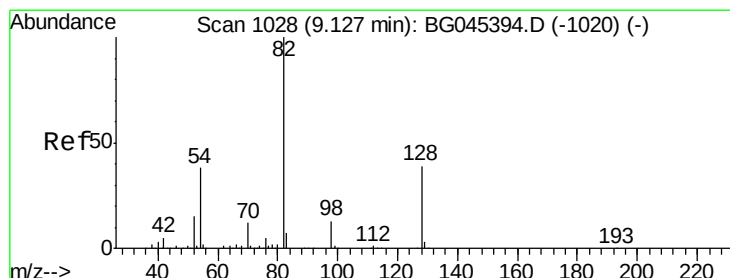
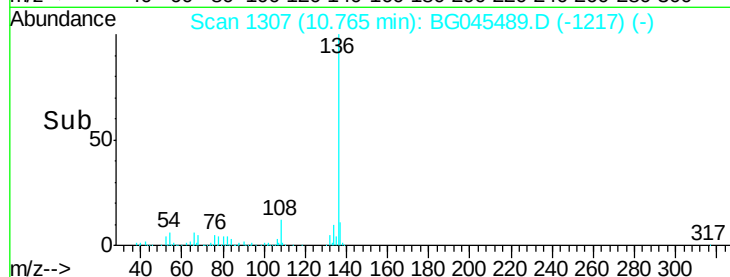
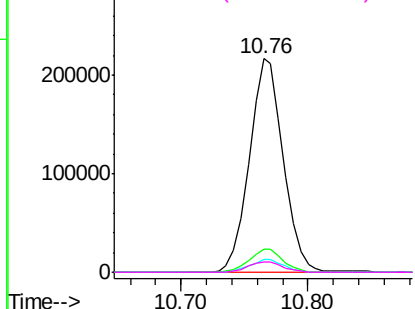
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG045489.D
Acq: 27 May 2020 23:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	399334	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	9.4	14.2	
54 6.2	5.8	8.6	
68 4.6	4.5	6.7	

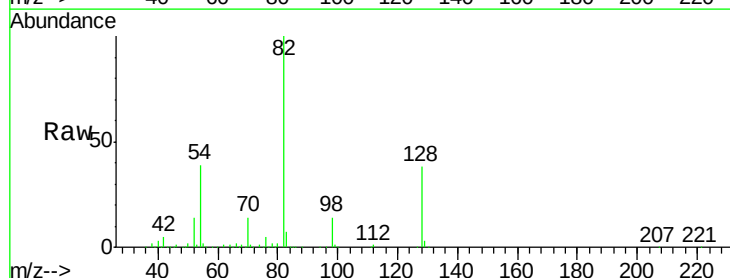


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

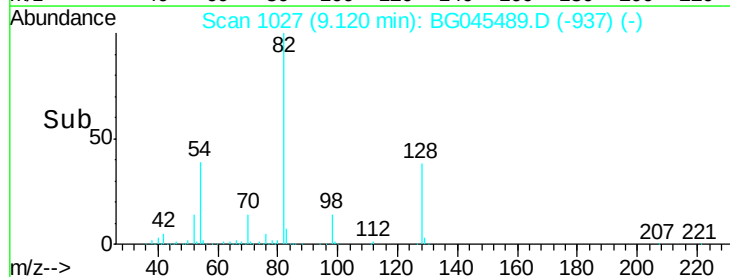
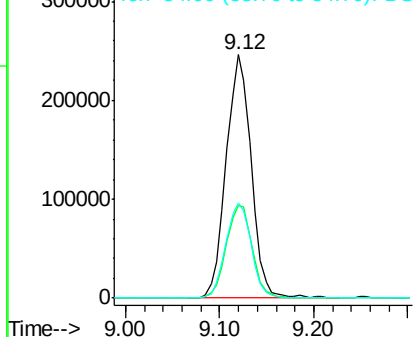


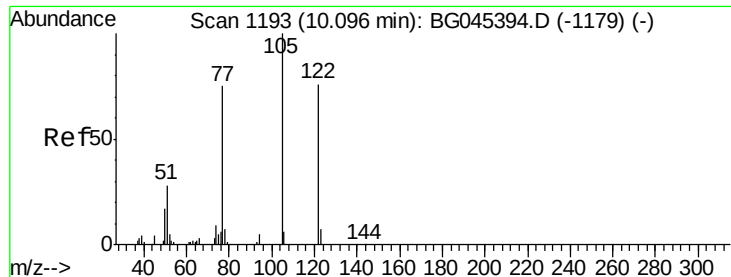
#23
Nitrobenzene-d5
Concen: 62.321 ng
RT: 9.12 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BG045489.D
Acq: 27 May 2020 23:42

Tgt Ion: 82	Resp: 456376
Ion Ratio	Lower Upper
82 100	
128 38.2	30.9 46.3
54 39.0	30.3 45.5



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

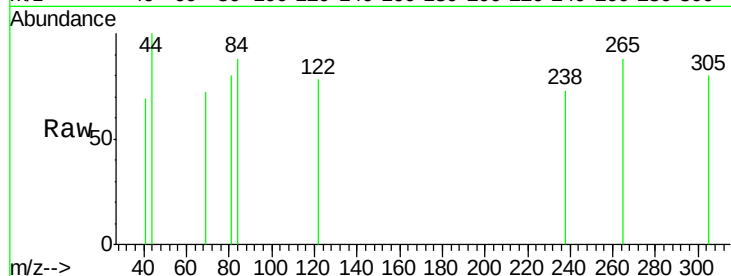




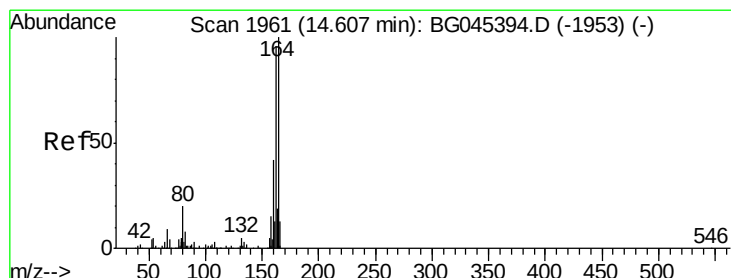
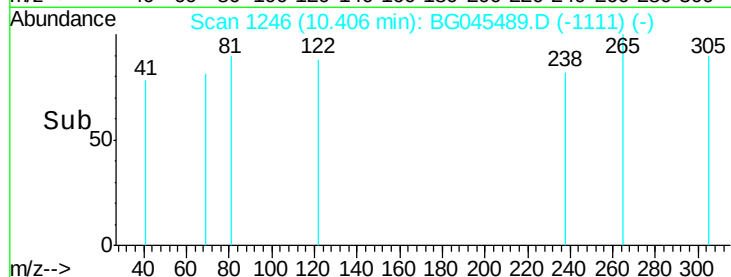
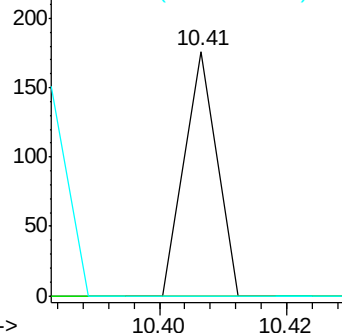
#32
Benzoic acid
Concen: 10.037 ng
RT: 10.41 min Scan# 1246
Delta R.T. 0.26 min
Lab File: BG045489.D
Acq: 27 May 2020 23:42

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 0.0 78.9 118.9#

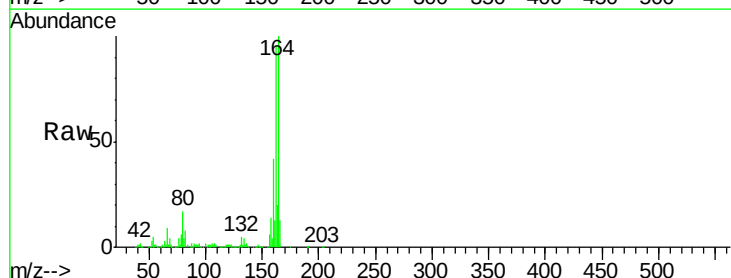


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

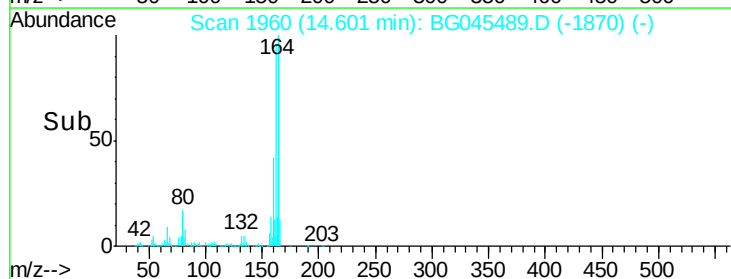
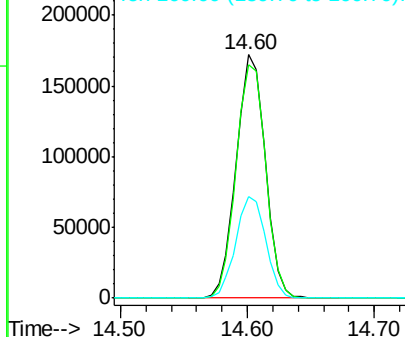


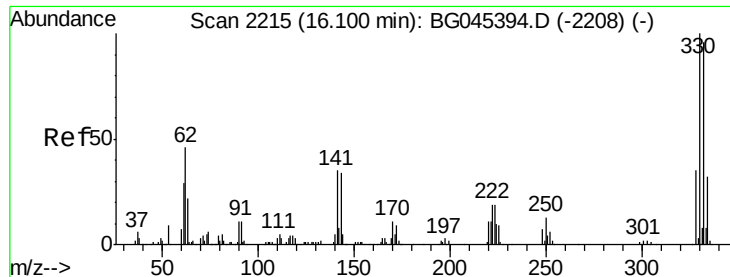
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG045489.D
Acq: 27 May 2020 23:42

Tgt Ion:164 Resp: 273160
Ion Ratio Lower Upper
164 100
162 95.7 76.9 115.3
160 41.5 33.8 50.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

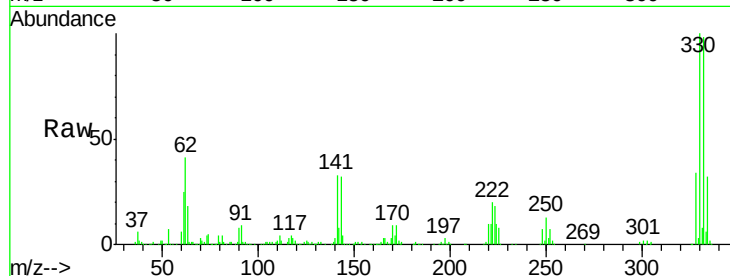




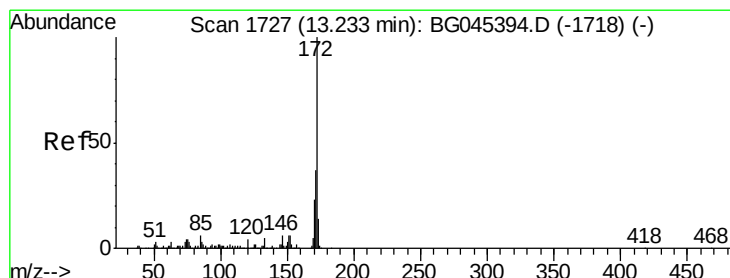
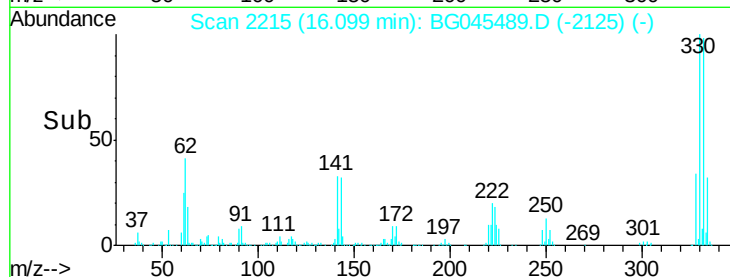
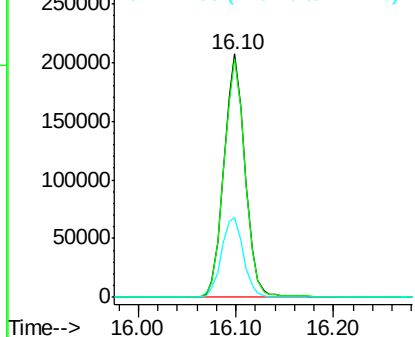
#42
 2,4,6-Tribromophenol
 Concen: 89.184 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: BG045489.D
 Acq: 27 May 2020 23:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 311556
 Ion Ratio Lower Upper
 330 100
 332 98.1 78.2 117.4
 141 34.2 28.2 42.4

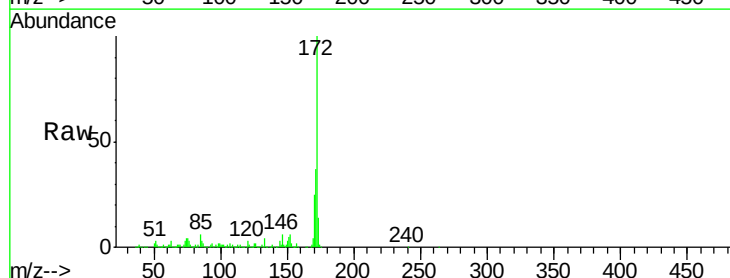


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

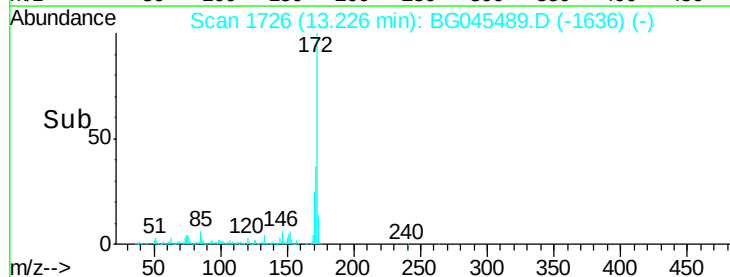
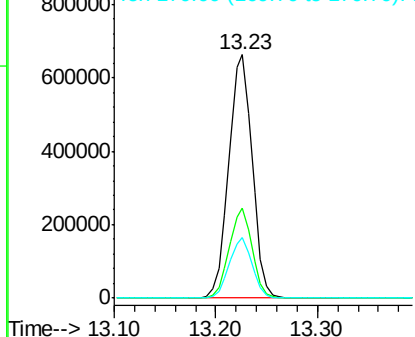


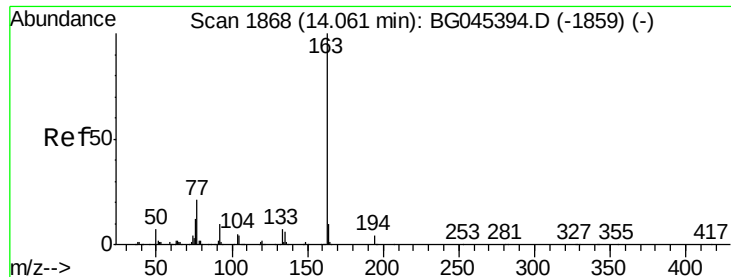
#45
 2-Fluorobiphenyl
 Concen: 65.871 ng
 RT: 13.23 min Scan# 1726
 Delta R.T. -0.00 min
 Lab File: BG045489.D
 Acq: 27 May 2020 23:42

Tgt Ion:172 Resp: 1060792
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.5 44.3
 170 24.9 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: 7.254 ng

RT: 14.05 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

Instrument :

BNA_G

ClientSampleId :

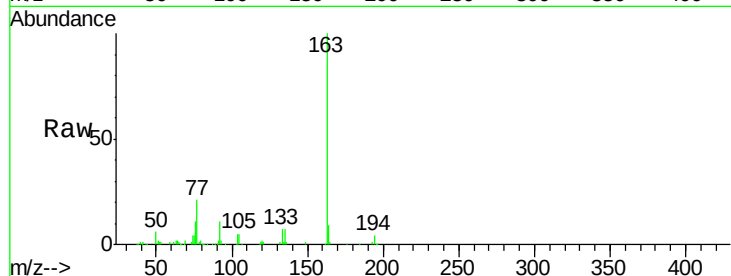
Tot Ion:163 Resp: 135924

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

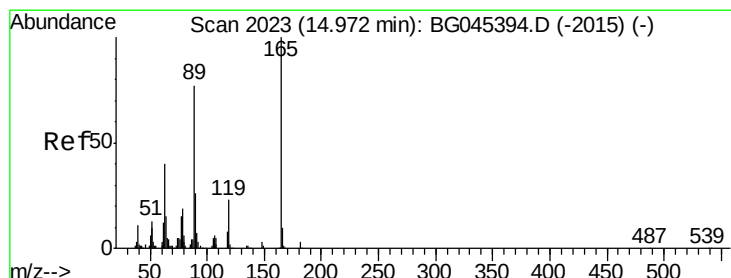
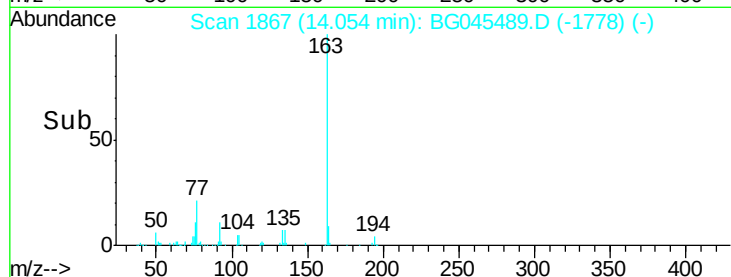
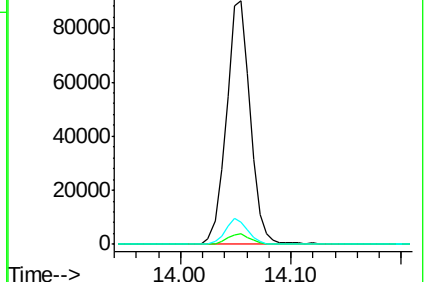
164 9.2 8.3 12.5



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



#57

2,4-Dinitrotoluene

Concen: 5.744 ng

RT: 14.60 min Scan# 1960

Delta R.T. -0.37 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

Tgt Ion:165 Resp: 35177

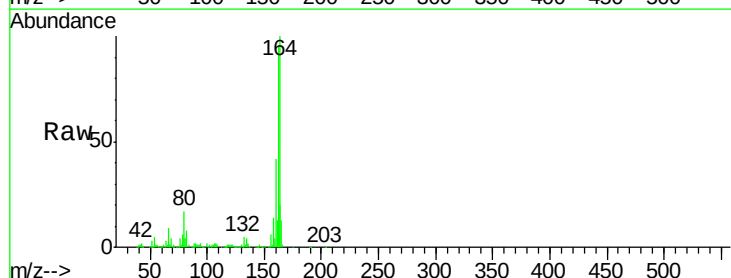
Ion Ratio Lower Upper

165 100

63 1.6 32.5 48.7#

89 2.8 61.8 92.6#

182 0.0 2.3 3.5#

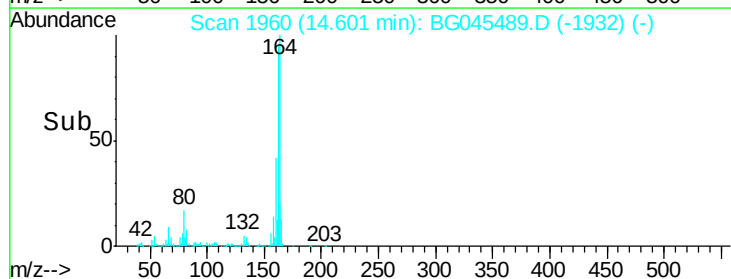
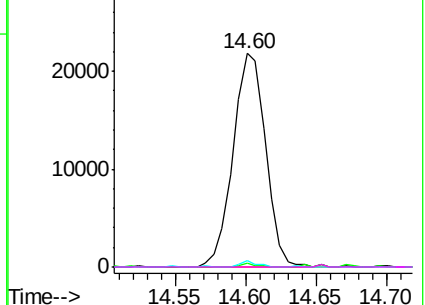


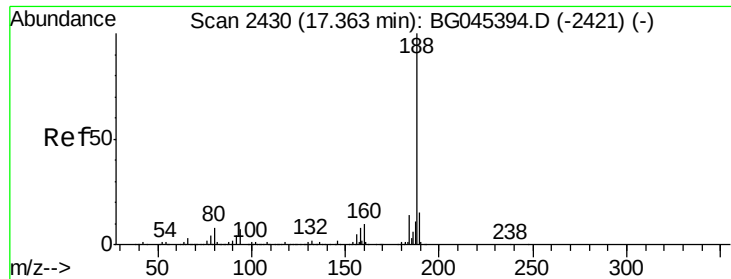
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

Instrument :

BNA_G

ClientSampleId :

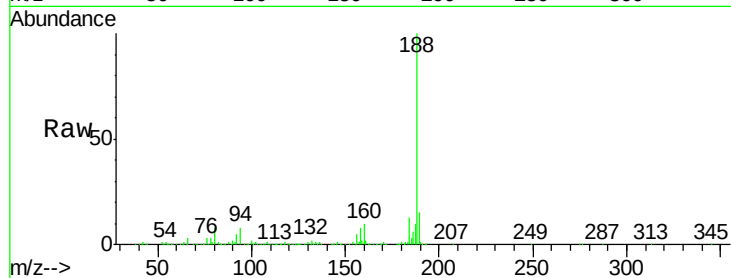
Tot Ion:188 Resp: 568947

Ion Ratio Lower Upper

188 100

94 7.9 5.5 8.3

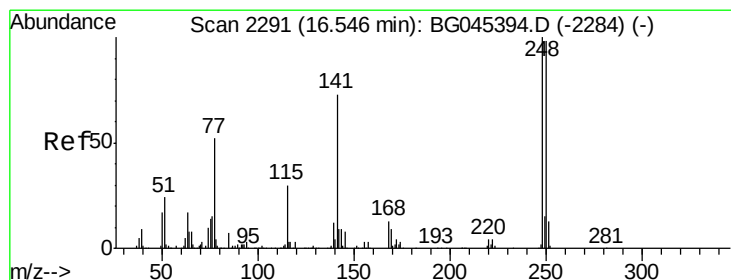
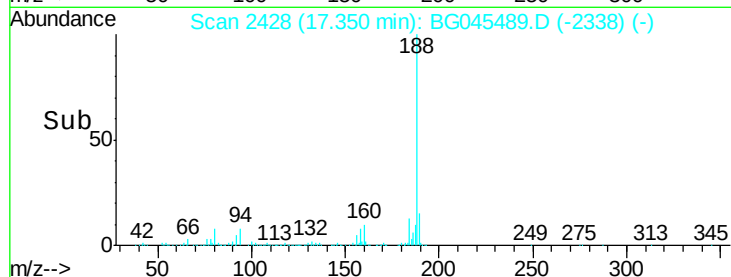
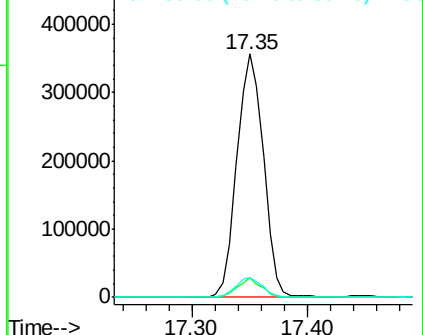
80 8.3 6.6 10.0



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



#67

4-Bromophenyl-phenylether

Concen: 3.490 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.44 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

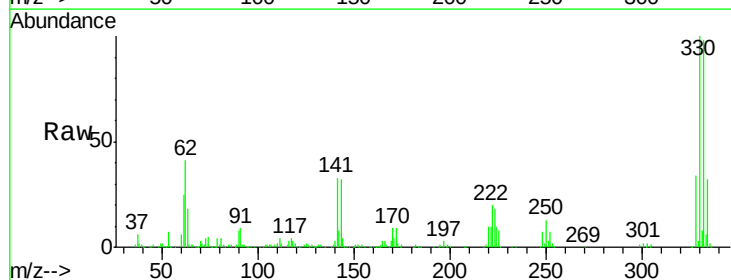
Tgt Ion:248 Resp: 21498

Ion Ratio Lower Upper

248 100

250 199.2 78.6 117.8#

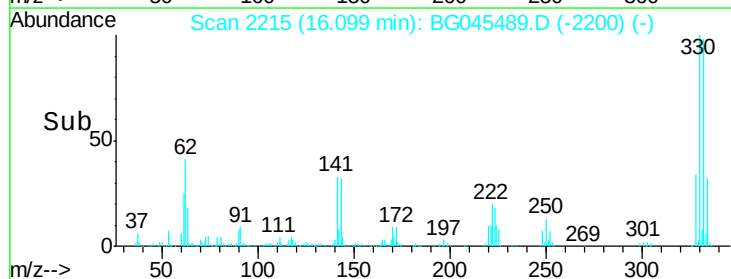
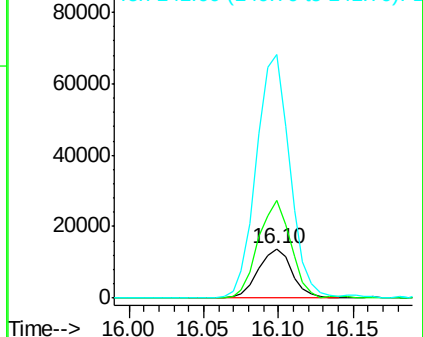
141 493.9 58.2 87.2#

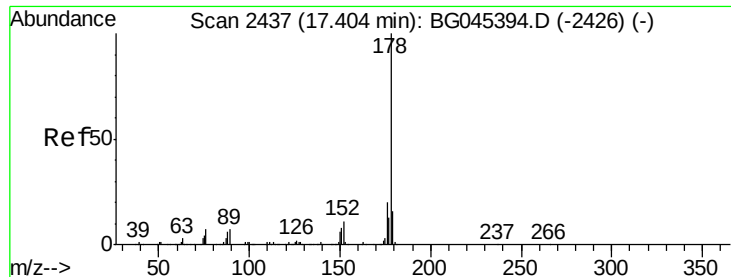


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.187 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

Instrument :

BNA_G

ClientSampleId :

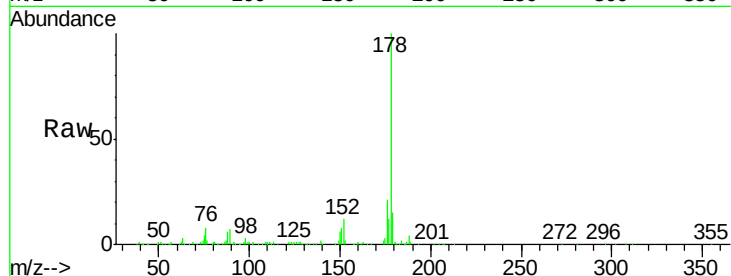
Tot Ion:178 Resp: 103990

Ion Ratio Lower Upper

178 100

176 20.5 16.2 24.4

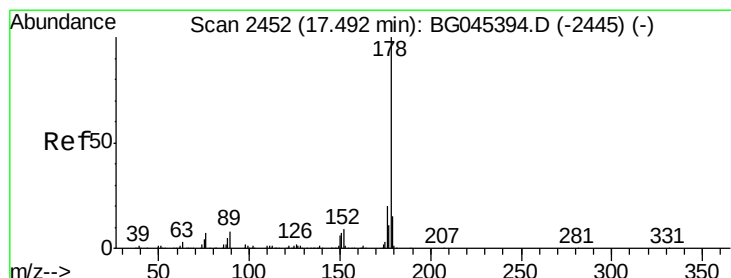
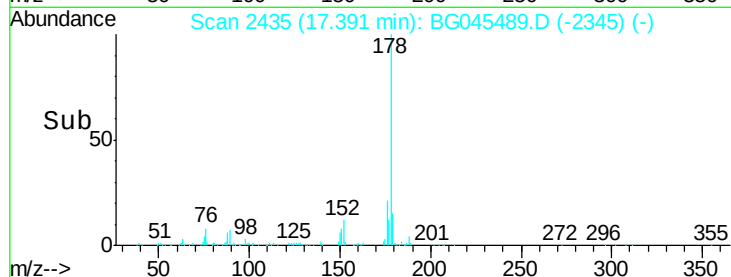
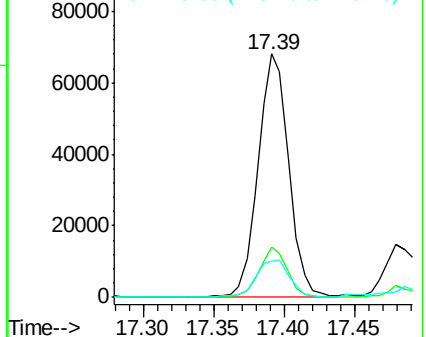
179 14.8 13.1 19.7



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



#72

Anthracene

Concen: 4.169 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.09 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

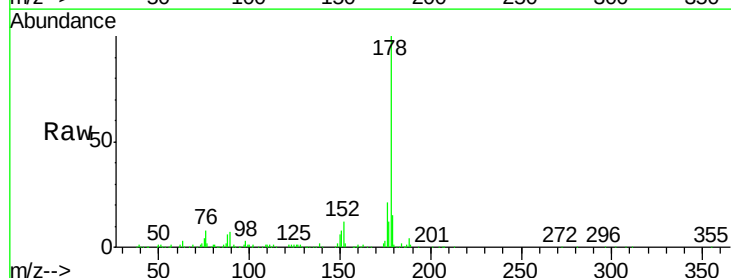
Tgt Ion:178 Resp: 103990

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.6

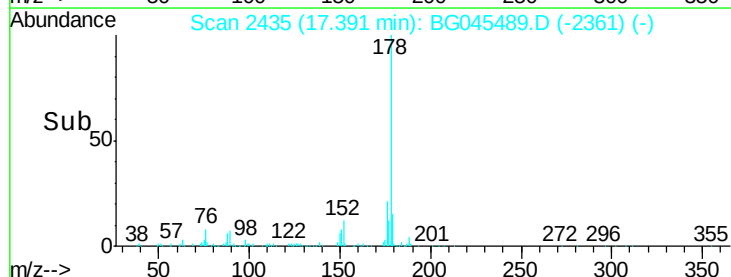
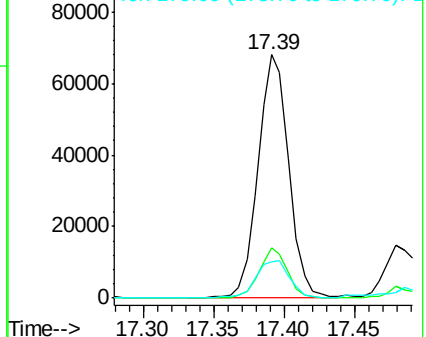
179 14.8 12.2 18.4

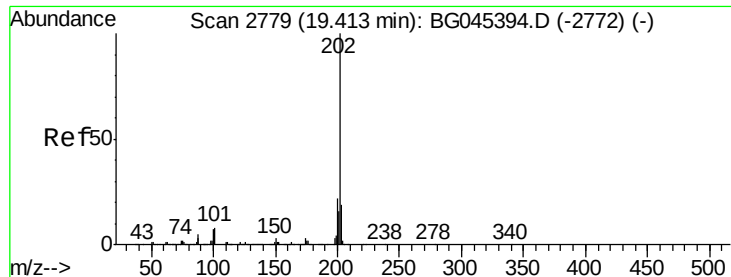


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.591 ng

RT: 19.40 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

Instrument :

BNA_G

ClientSampleId :

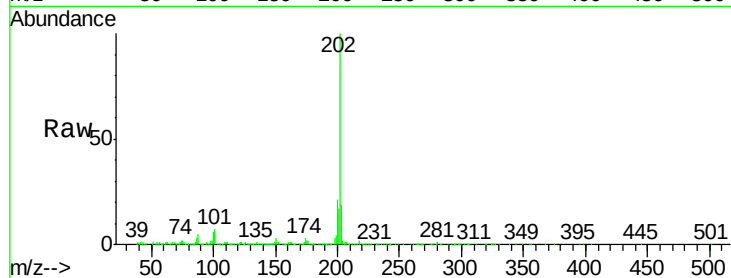
Tot Ion:202 Resp: 239825

Ion Ratio Lower Upper

202 100

101 7.4 0.0 28.3

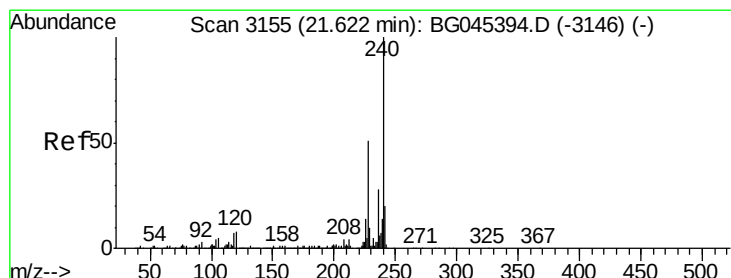
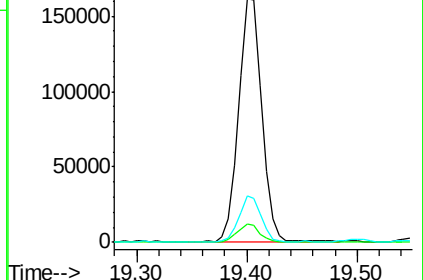
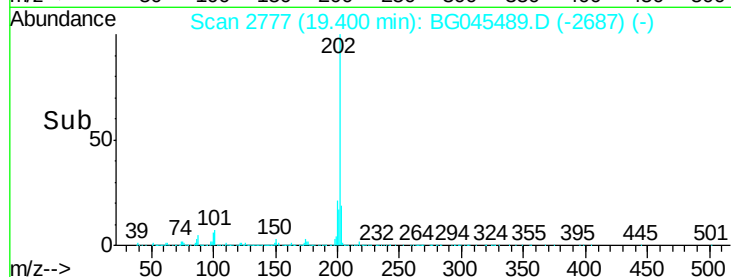
203 19.1 0.0 39.0



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: 21.61 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

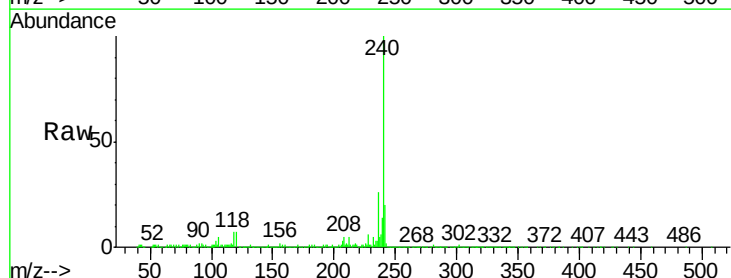
Tgt Ion:240 Resp: 497130

Ion Ratio Lower Upper

240 100

120 7.0 6.1 9.1

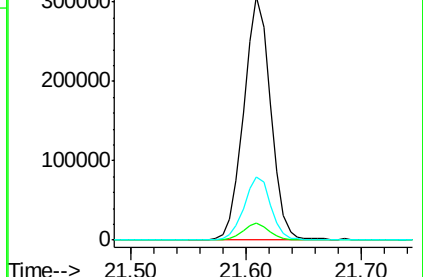
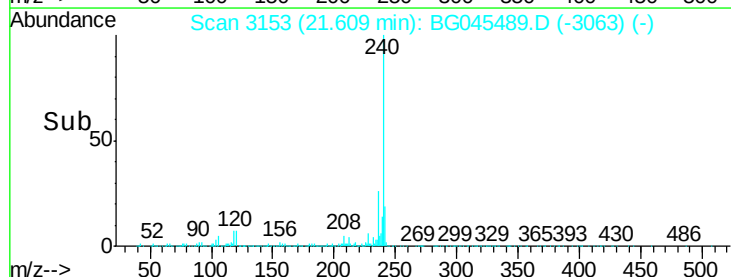
236 26.1 22.3 33.5

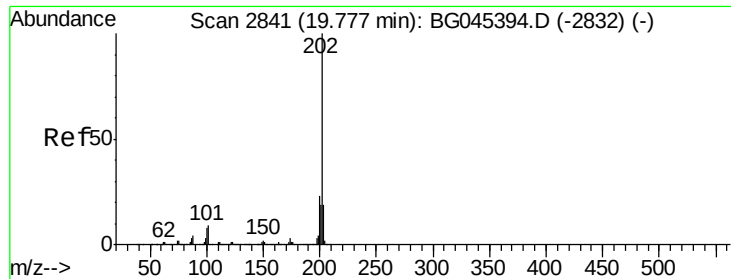


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.600 ng

RT: 19.76 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG045489.D

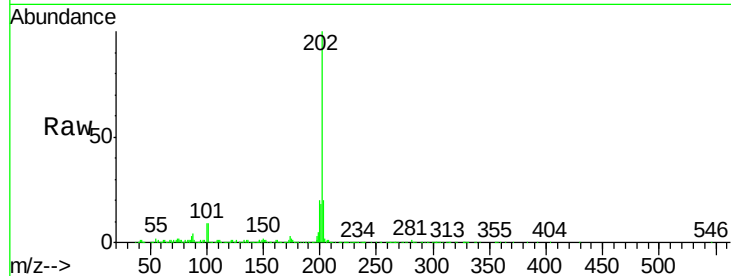
Acq: 27 May 2020 23:42

Instrument :

BNA_G

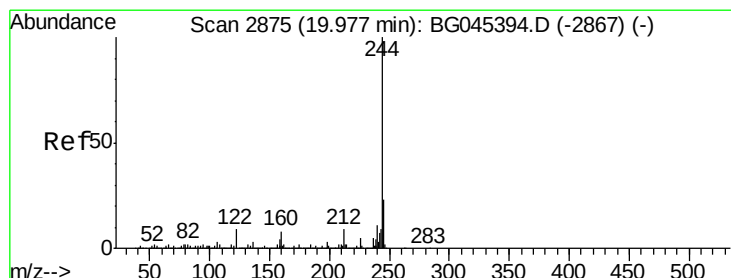
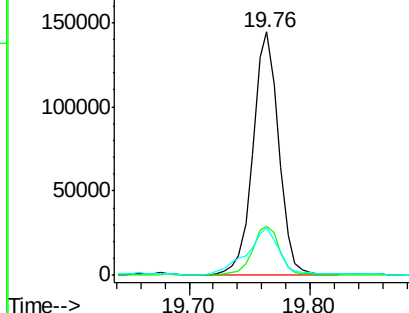
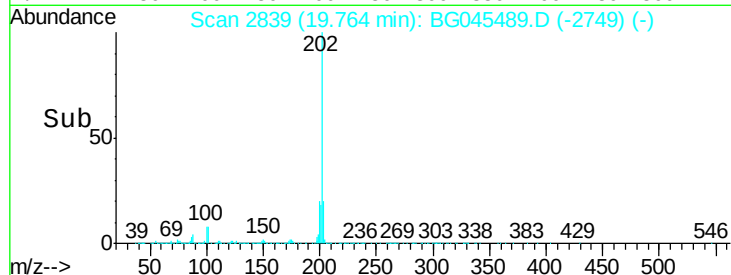
ClientSampleId :

Tot Ion:	202	Resp:	215367
Ion Ratio	Lower	Upper	
202	100		
200	19.9	18.2	27.2
203	19.7	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



#79

Terphenyl-d14

Concen: 68.052 ng

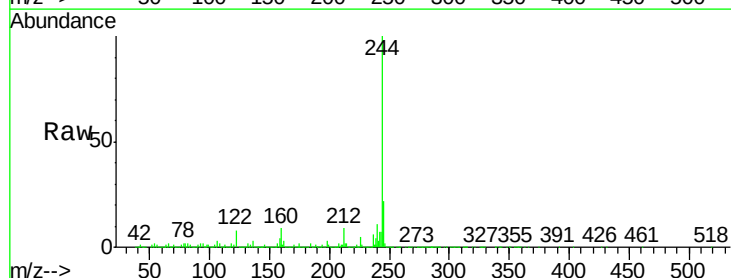
RT: 19.96 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG045489.D

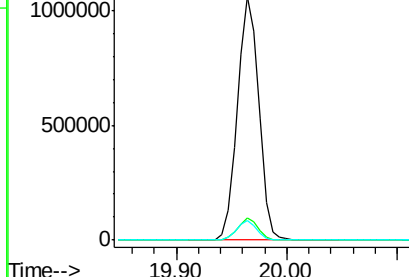
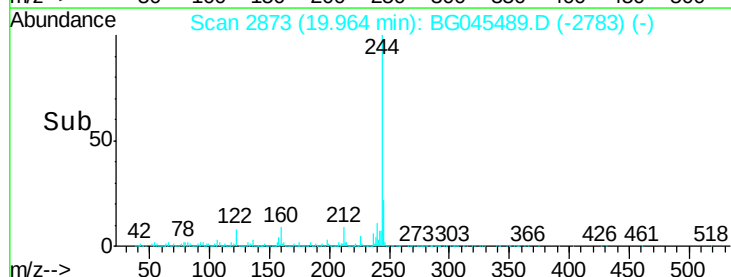
Acq: 27 May 2020 23:42

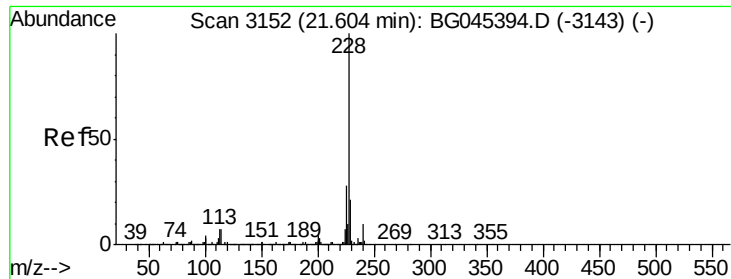
Tgt Ion:	244	Resp:	1450538
Ion Ratio	Lower	Upper	
244	100		
212	9.1	7.4	11.0
122	8.2	6.8	10.2



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

19.96

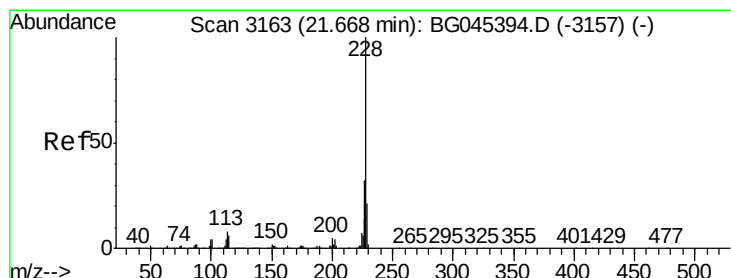
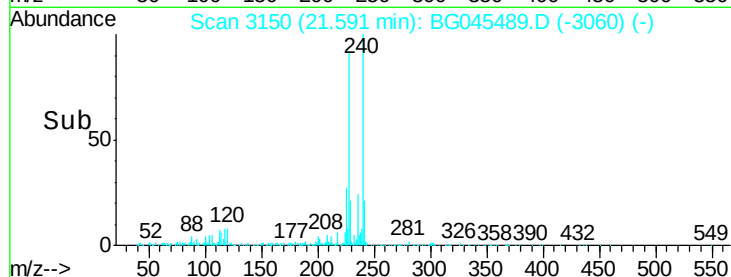
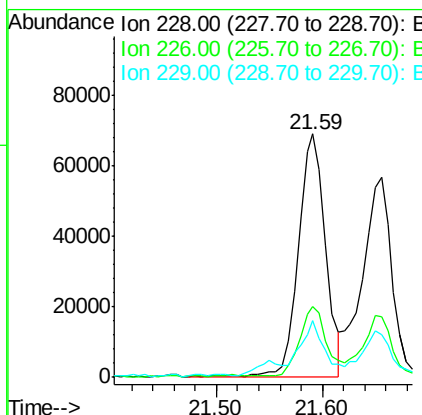
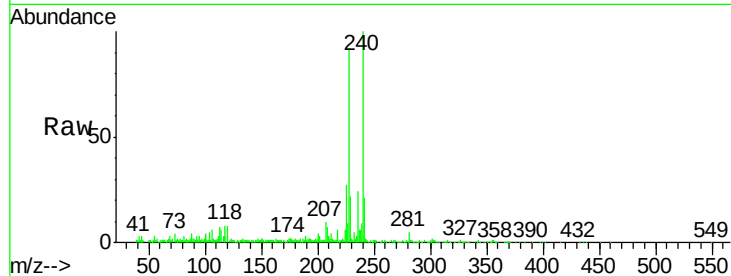




#81
Benzo(a)anthracene
Concen: 4.508 ng
RT: 21.59 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BG045489.D
Acq: 27 May 2020 23:42

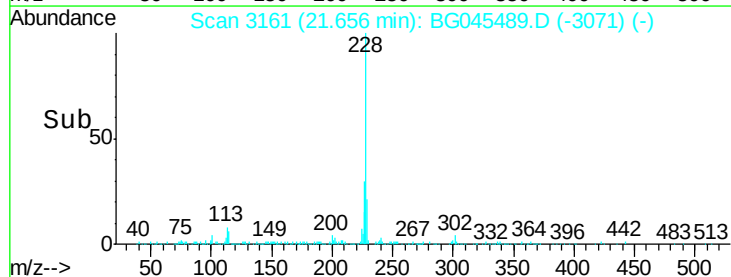
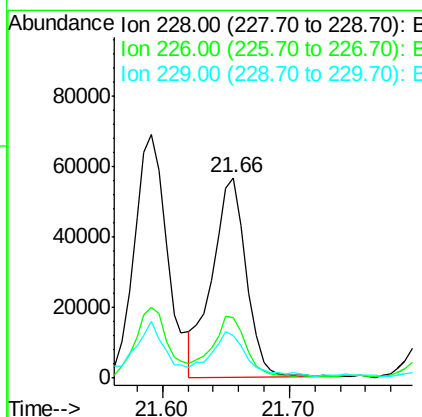
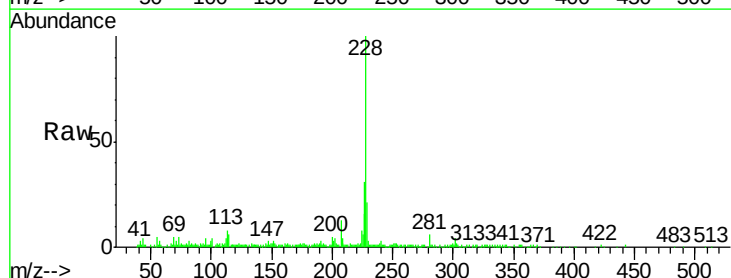
Instrument :
BNA_G
ClientSampleId :

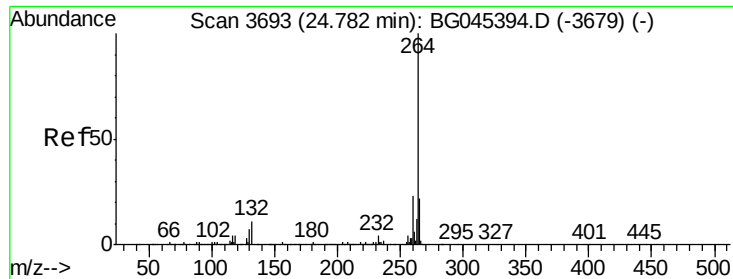
Tot Ion:228 Resp: 124846
Ion Ratio Lower Upper
228 100
226 29.1 22.7 34.1
229 23.3 16.7 25.1



#83
Chrysene
Concen: 3.938 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BG045489.D
Acq: 27 May 2020 23:42

Tgt Ion:228 Resp: 104875
Ion Ratio Lower Upper
228 100
226 30.5 25.2 37.8
229 21.5 16.7 25.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3689

Delta R.T. -0.00 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

Instrument :

BNA_G

ClientSampleId :

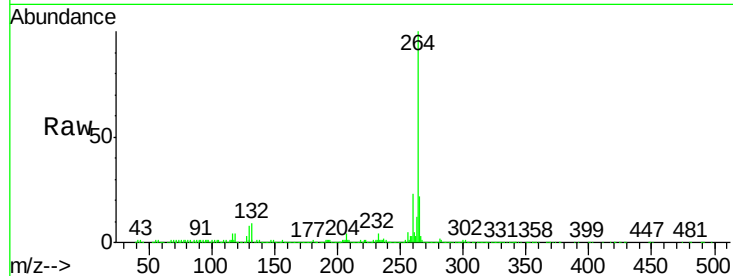
Tot Ion:264 Resp: 540770

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

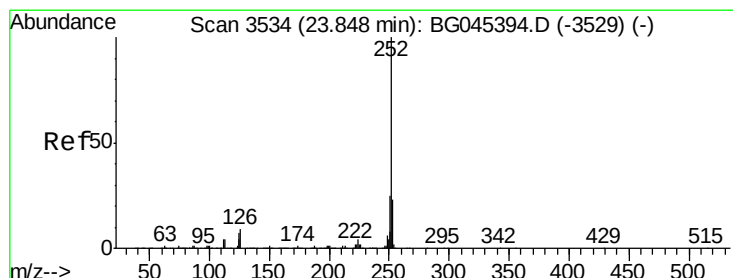
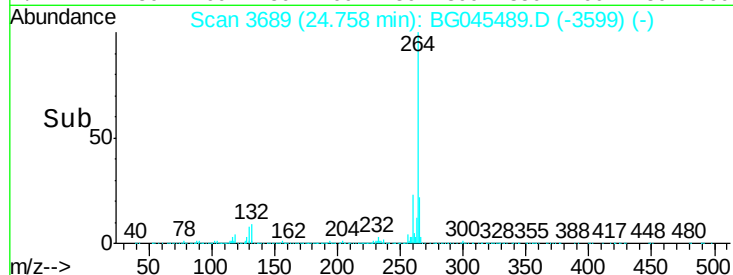
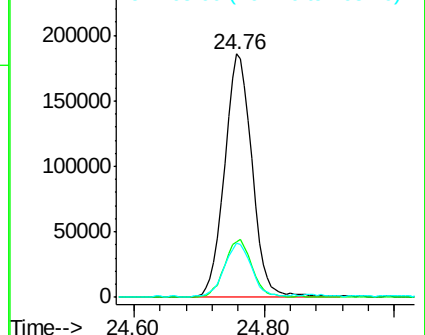
265 22.5 17.6 26.4



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



#89

Benzo(k)fluoranthene

Concen: 5.607 ng

RT: 23.77 min Scan# 3521

Delta R.T. -0.05 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

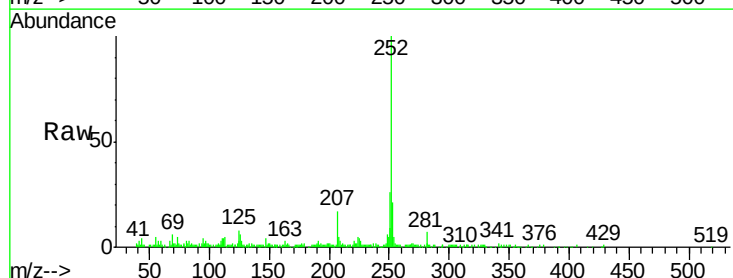
Tgt Ion:252 Resp: 152775

Ion Ratio Lower Upper

252 100

253 21.5 18.4 27.6

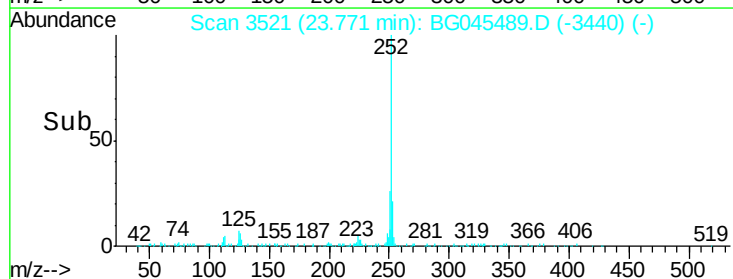
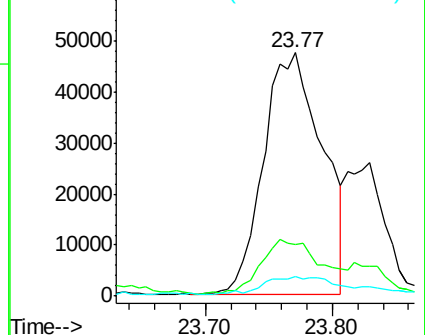
125 8.0 5.7 8.5

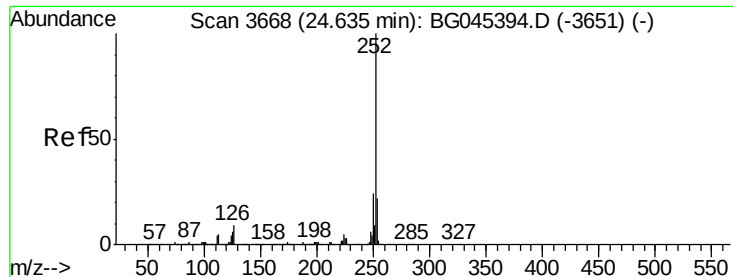


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 4.223 ng

RT: 24.60 min Scan# 3663

Delta R.T. -0.01 min

Lab File: BG045489.D

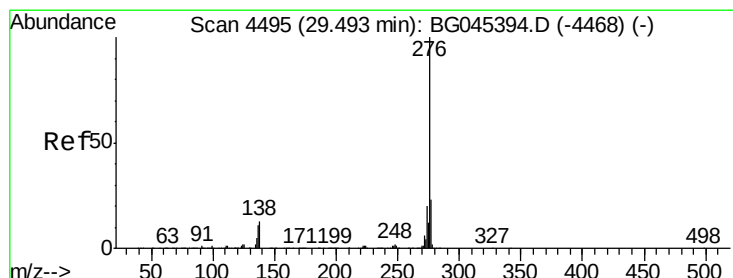
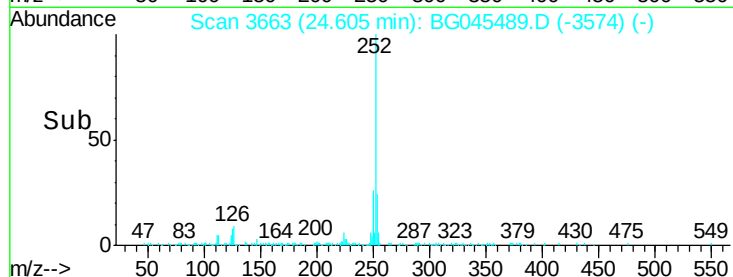
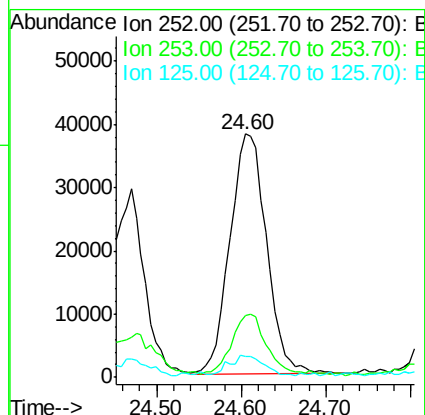
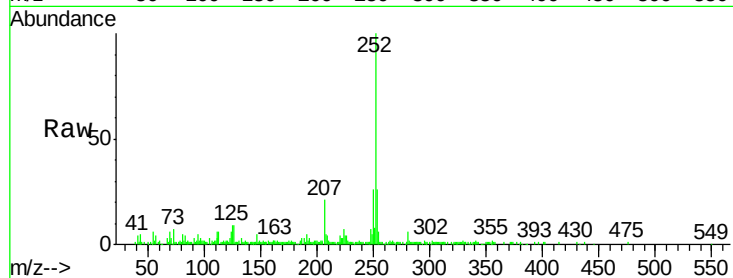
Acq: 27 May 2020 23:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	252	Resp:	114067
Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.2	25.8
125	8.5	5.0	7.6#



#92

Benzo(g,h,i)perylene

Concen: 2.271 ng

RT: 29.45 min Scan# 4487

Delta R.T. -0.00 min

Lab File: BG045489.D

Acq: 27 May 2020 23:42

Tgt Ion:	276	Resp:	61640
Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.1	27.1#
138	18.2	10.2	15.4#

