

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060320\
 Data File : BG045585.D
 Acq On : 3 Jun 2020 17:39
 Operator : CG/JU
 Sample : L2839-25
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 18:37:24 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

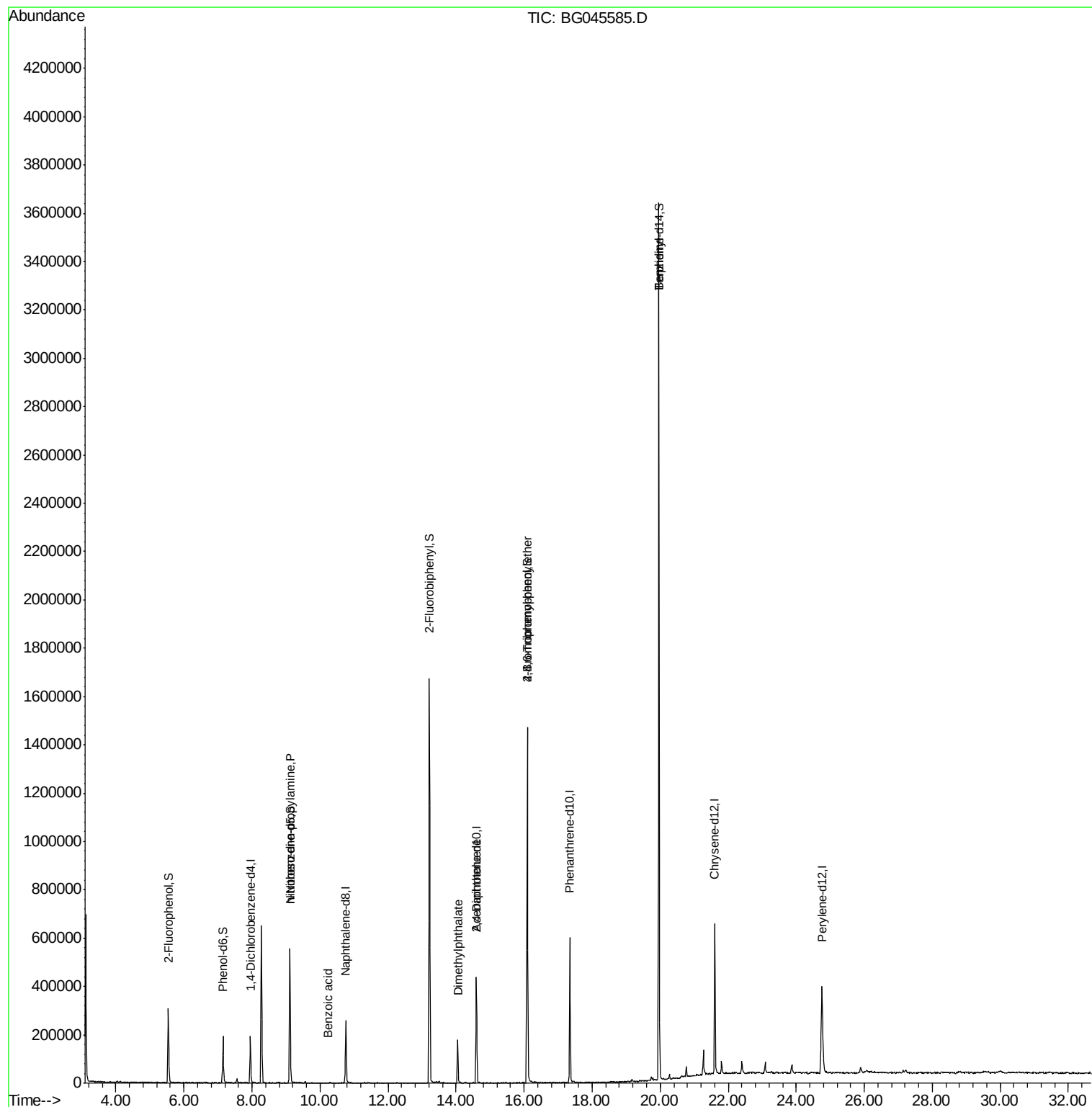
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	58882	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	232299	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	166169	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	395768	20.00	ng	0.00
76) Chrysene-d12	21.60	240	409179	20.00	ng	0.00
87) Perylene-d12	24.76	264	427614	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	156253	51.86	ng	0.00
7) Phenol-d6	7.15	99	132941	31.00	ng	0.00
23) Nitrobenzene-d5	9.11	82	392289	92.09	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	322753	151.88	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	923688	94.29	ng	0.00
79) Terphenyl-d14	19.96	244	1824828	104.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	52276	17.628	ng	# 78
32) Benzoic acid	10.23	122	53	10.044	ng	# 1
50) Dimethylphthalate	14.05	163	131108	11.502	ng	99
57) 2,4-Dinitrotoluene	14.60	165	20960	5.626	ng	# 22
67) 4-Bromophenyl-phenylether	16.09	248	21869	5.103	ng	# 1
77) Benzidine	19.96	184	34258	2.981	ng	# 91

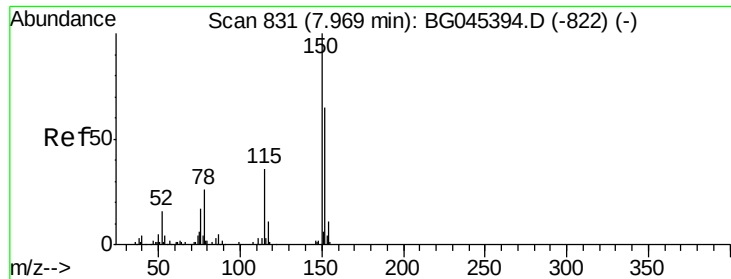
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 01 15:07:00 2020
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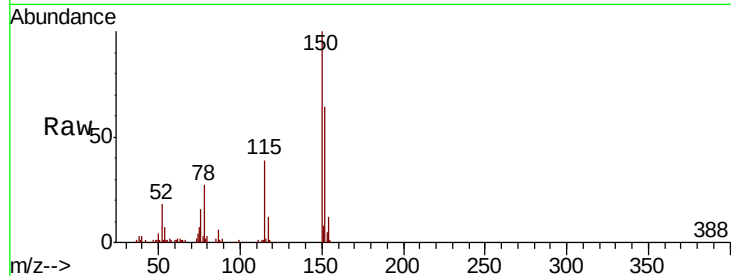


#1

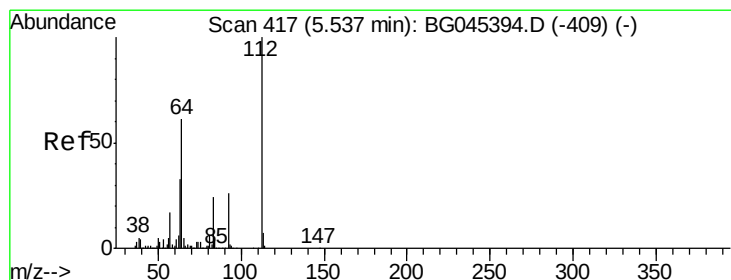
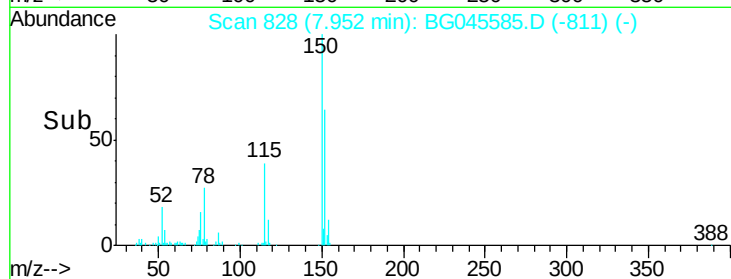
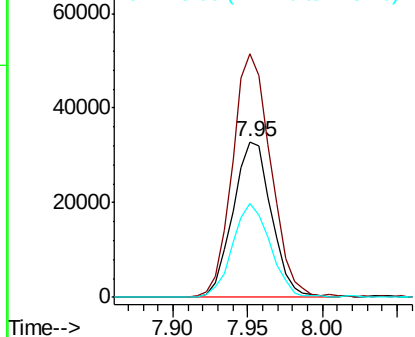
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045585.D
Acq: 3 Jun 2020 17:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58882
Ion Ratio Lower Upper
152 100
150 156.7 122.4 183.6
115 60.6 44.2 66.4



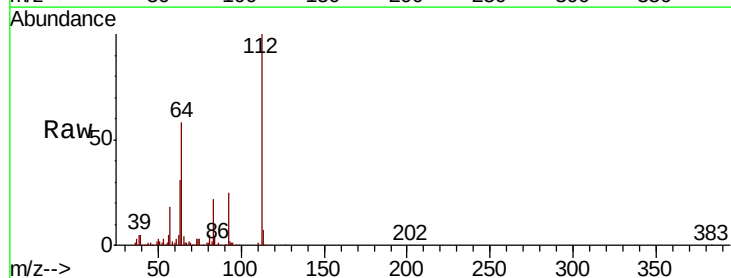
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



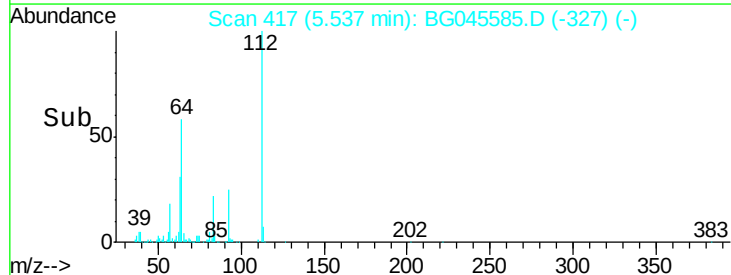
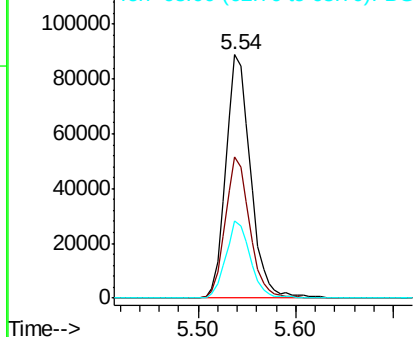
#5

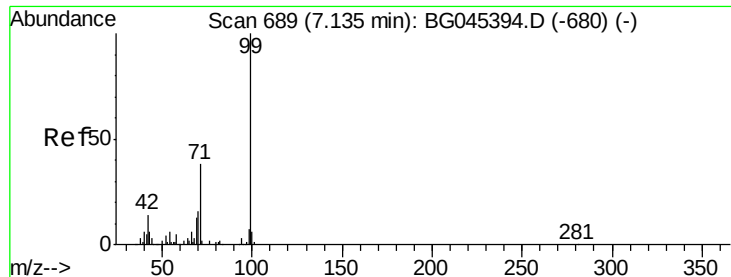
2-Fluorophenol
Concen: 51.860 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045585.D
Acq: 3 Jun 2020 17:39

Tgt Ion:112 Resp: 156253
Ion Ratio Lower Upper
112 100
64 58.2 48.6 72.8
63 31.5 26.5 39.7



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





#7

Phenol-d6

Concen: 31.001 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

Instrument :

BNA_G

ClientSampleId :

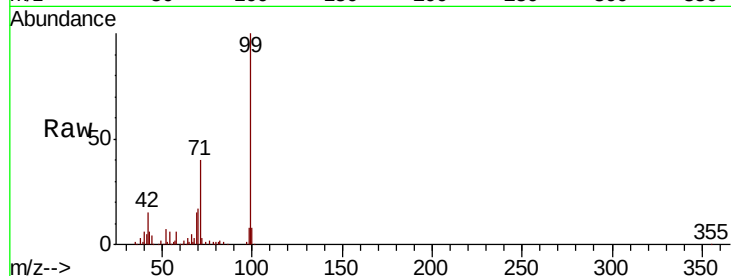
Tot Ion: 99 Resp: 132941

Ion Ratio Lower Upper

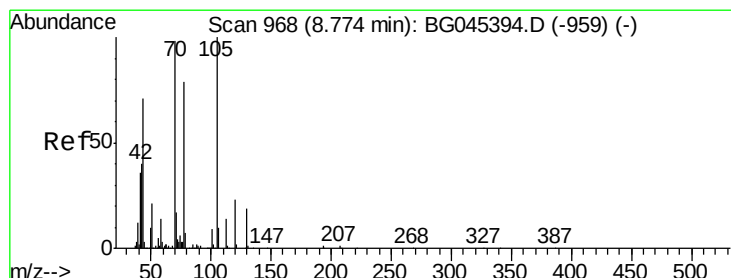
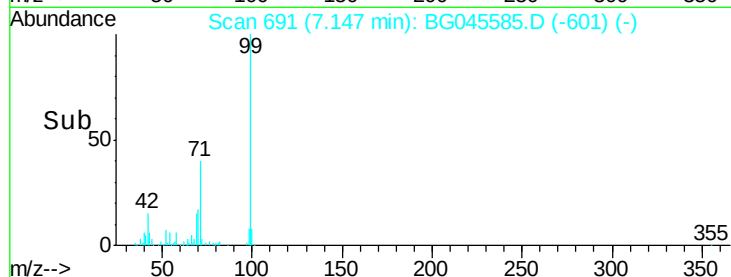
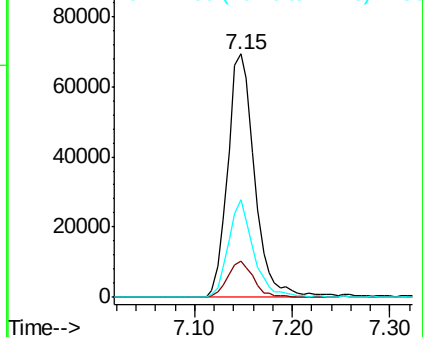
99 100

42 14.9 11.3 16.9

71 40.0 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: 17.628 ng

RT: 9.11 min Scan# 1026

Delta R.T. 0.36 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

Tgt Ion: 70 Resp: 52276

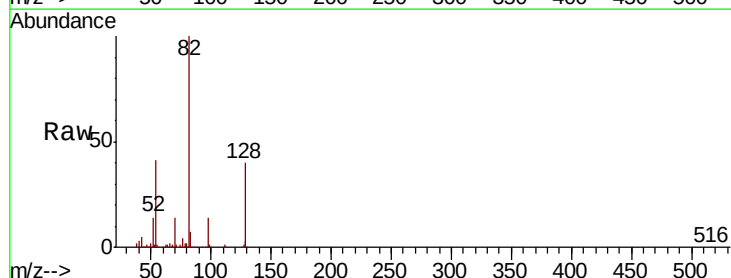
Ion Ratio Lower Upper

70 100

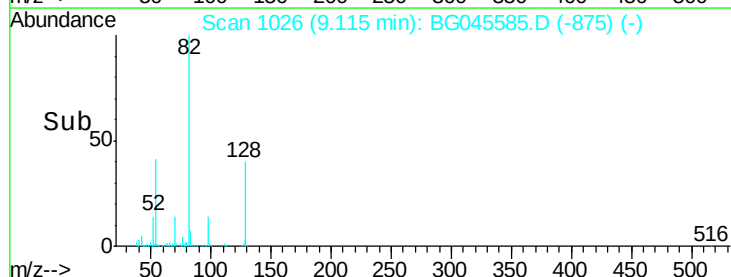
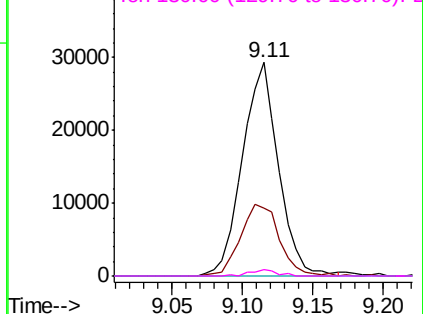
42 32.0 33.2 49.8#

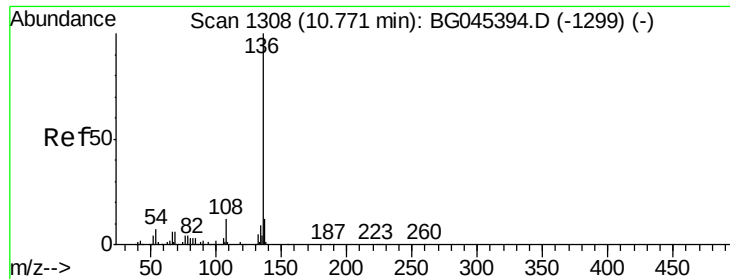
101 0.0 7.8 11.6#

130 2.9 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

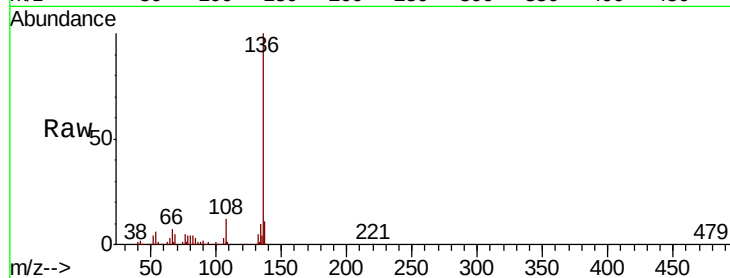




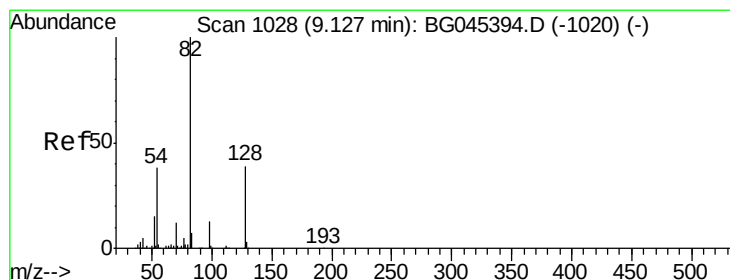
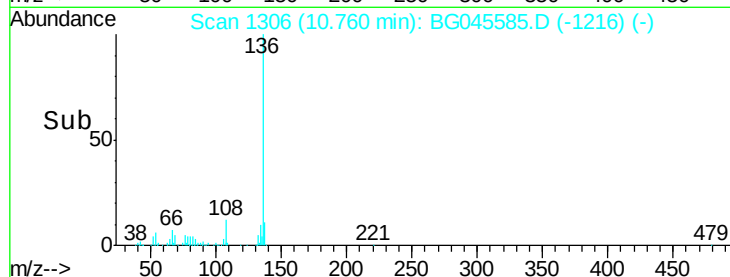
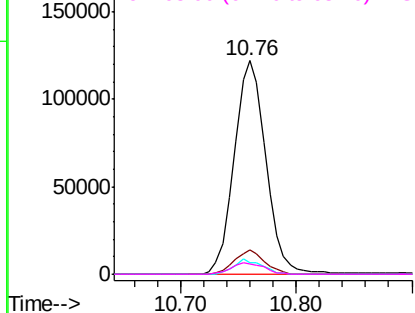
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BG045585.D
Acq: 3 Jun 2020 17:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	232299
Ion Ratio	Lower	Upper
136 100		
137 11.2	9.4	14.2
54 5.7	5.8	8.6#
68 4.8	4.5	6.7

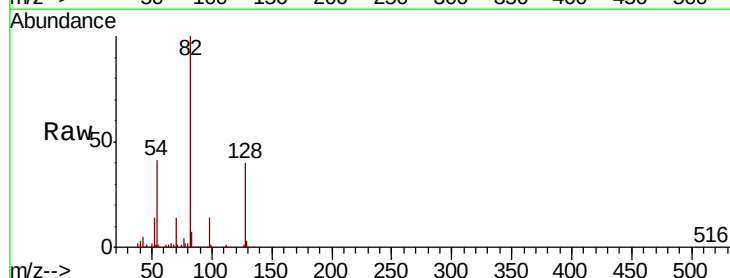


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

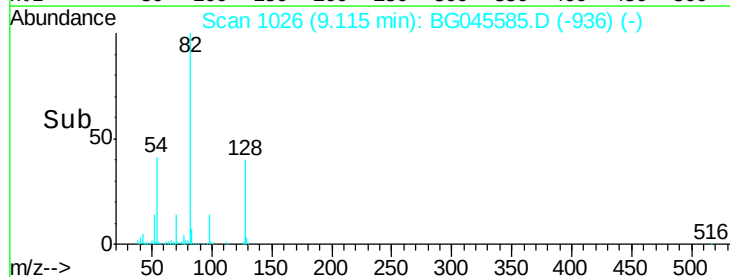
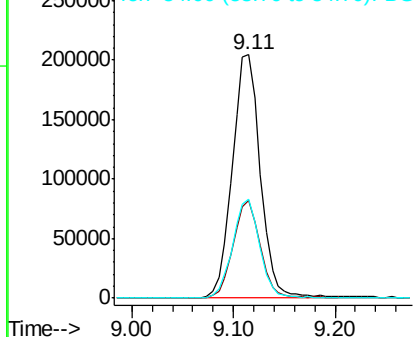


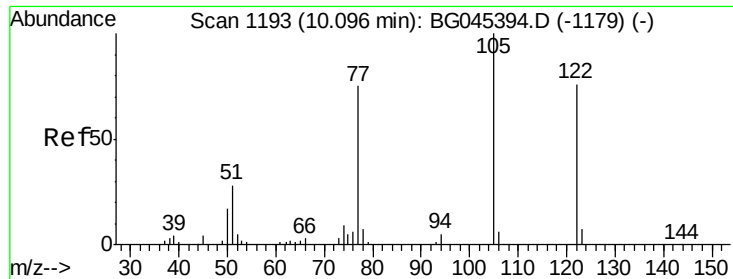
#23
Nitrobenzene-d5
Concen: 92.089 ng
RT: 9.11 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BG045585.D
Acq: 3 Jun 2020 17:39

Tgt Ion: 82	Resp: 392289
Ion Ratio	Lower Upper
82 100	
128 40.3	30.9 46.3
54 40.5	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: 10.044 ng

RT: 10.23 min Scan# 1216

Delta R.T. 0.11 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

Instrument :

BNA_G

ClientSampleId :

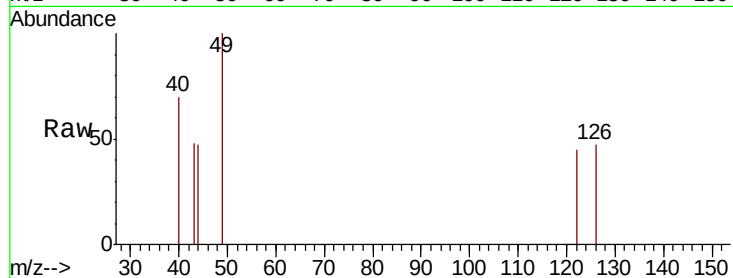
Tot Ion:122 Resp: 53

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

10.23

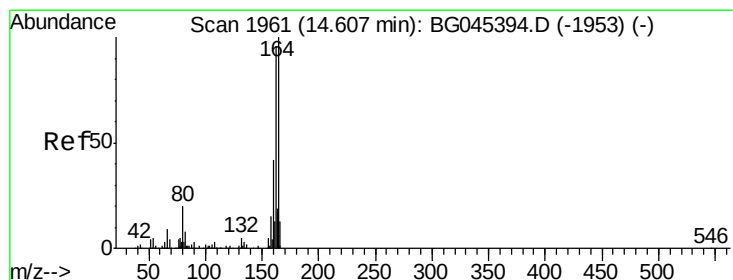
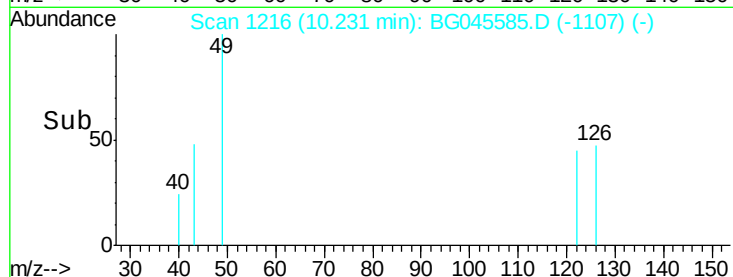
150

100

50

0

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

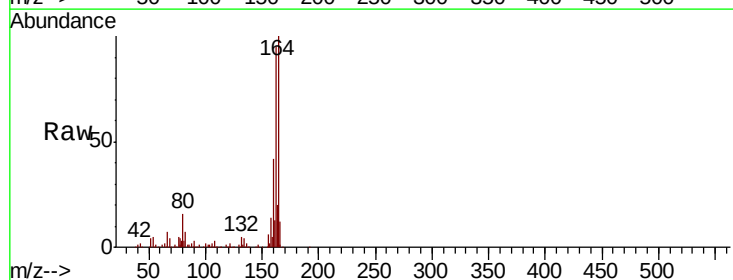
Tgt Ion:164 Resp: 166169

Ion Ratio Lower Upper

164 100

162 95.0 76.9 115.3

160 42.0 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

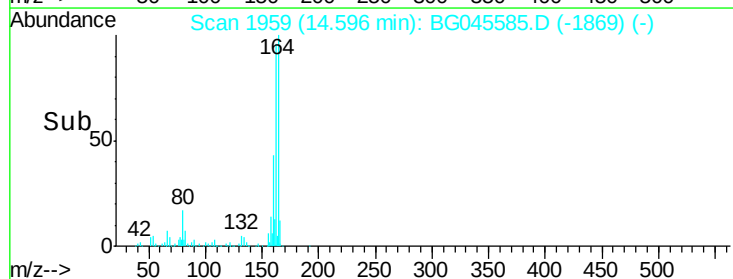
14.60

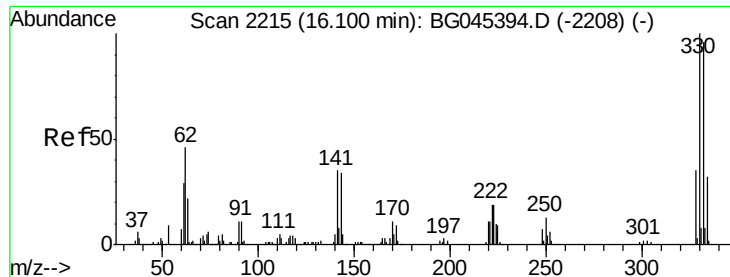
100000

50000

0

Time-->

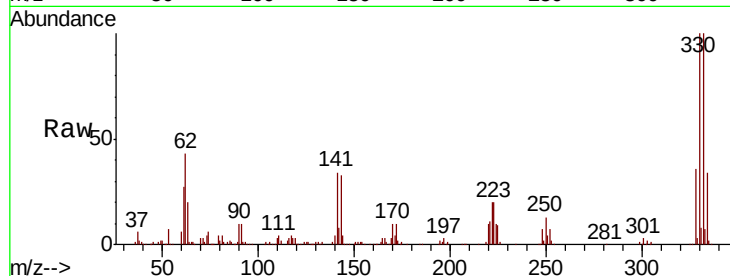




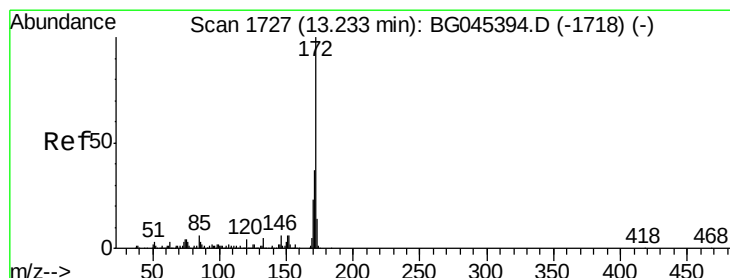
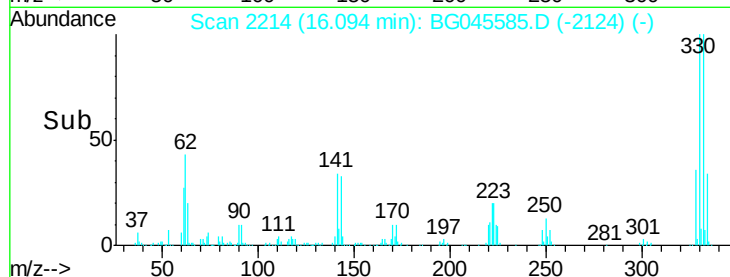
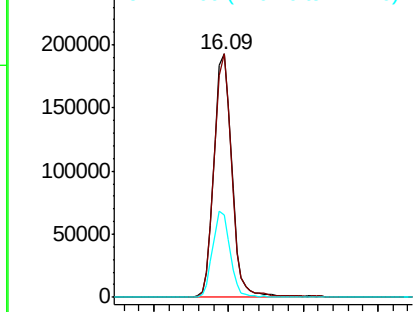
#42
 2,4,6-Tribromophenol
 Concen: 151.876 ng
 RT: 16.09 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: BG045585.D
 Acq: 3 Jun 2020 17:39

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 322753
 Ion Ratio Lower Upper
 330 100
 332 98.2 78.2 117.4
 141 34.8 28.2 42.4

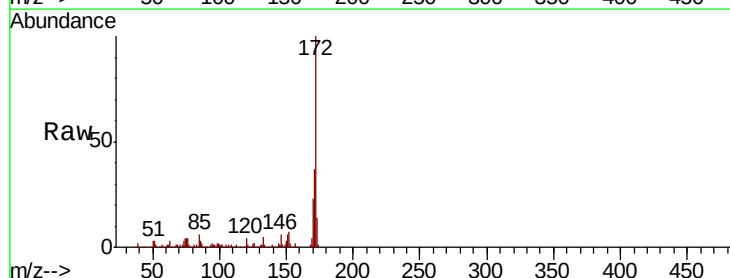


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

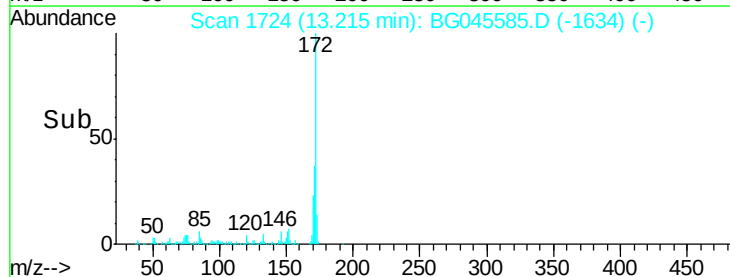
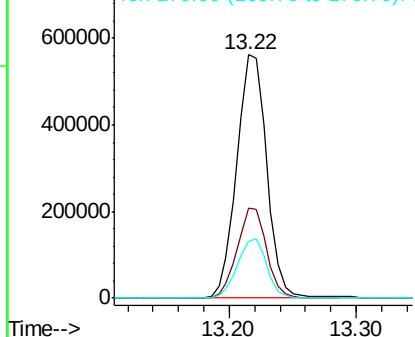


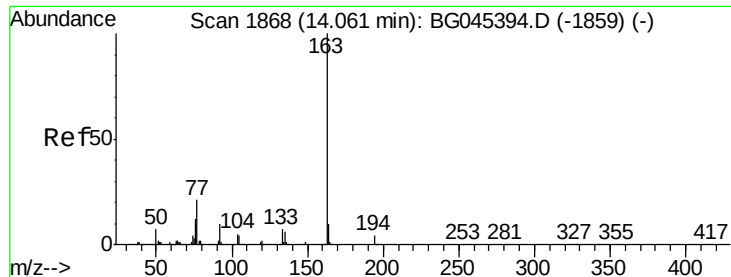
#45
 2-Fluorobiphenyl
 Concen: 94.288 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG045585.D
 Acq: 3 Jun 2020 17:39

Tgt Ion:172 Resp: 923688
 Ion Ratio Lower Upper
 172 100
 171 36.7 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: 11.502 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

Instrument :

BNA_G

ClientSampleId :

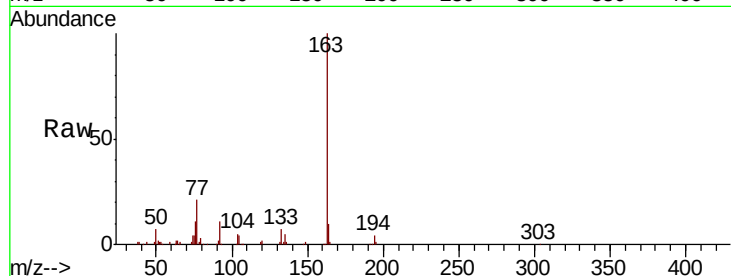
Tot Ion:163 Resp: 131108

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

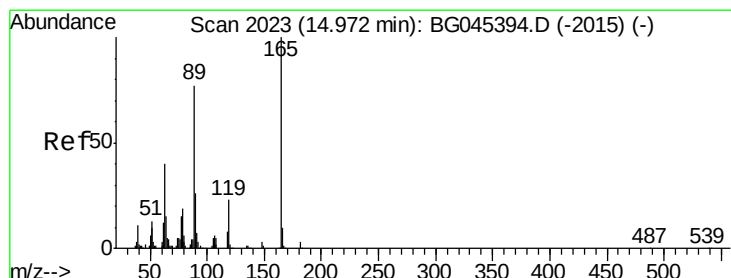
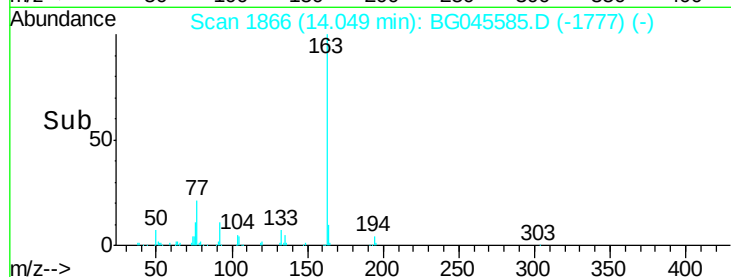
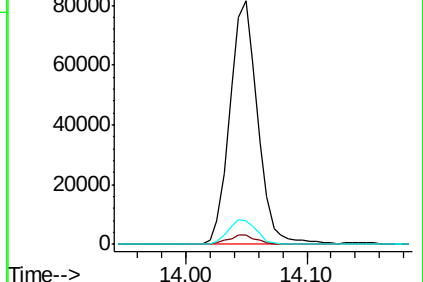
164 9.8 8.3 12.5



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



#57

2,4-Dinitrotoluene

Concen: 5.626 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.36 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

Tgt Ion:165 Resp: 20960

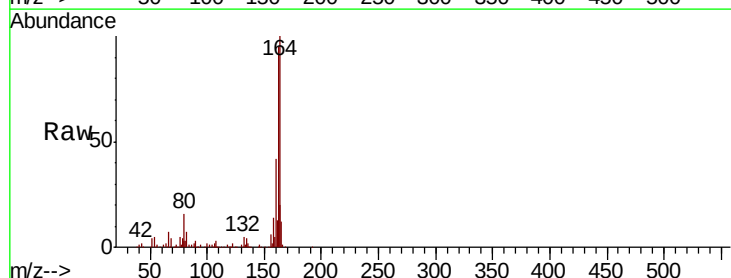
Ion Ratio Lower Upper

165 100

63 0.0 32.5 48.7#

89 2.2 61.8 92.6#

182 0.0 2.3 3.5#

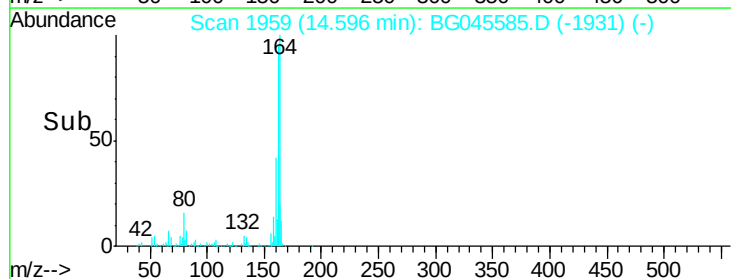
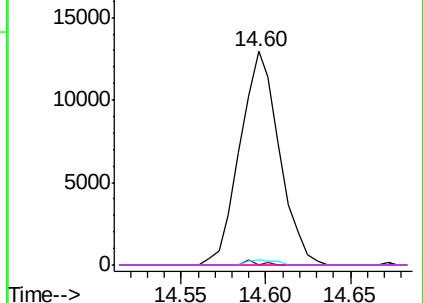


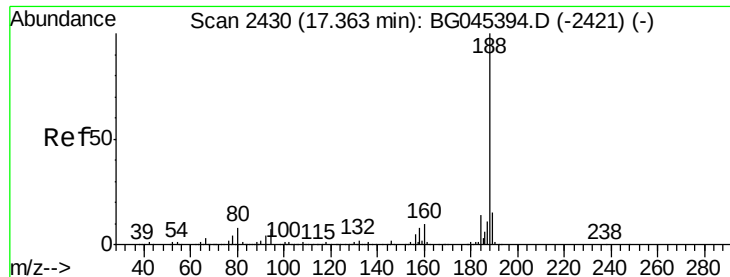
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.34 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

Instrument :

BNA_G

ClientSampleId :

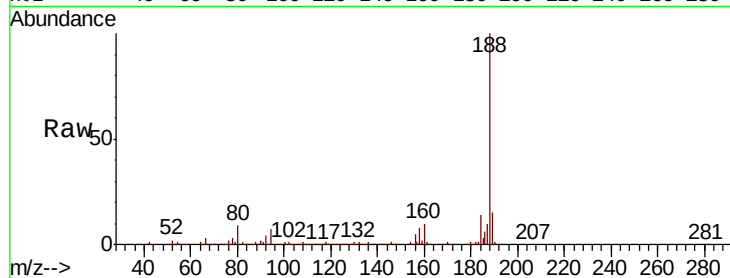
Tot Ion:188 Resp: 395768

Ion Ratio Lower Upper

188 100

94 7.5 5.5 8.3

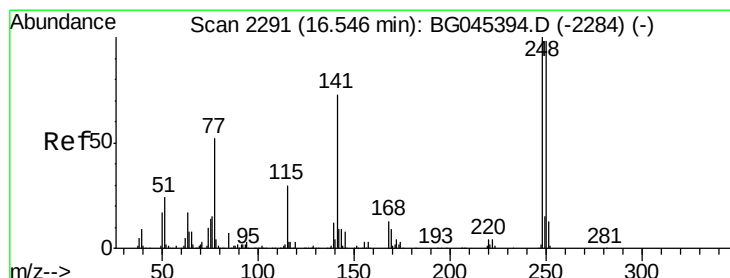
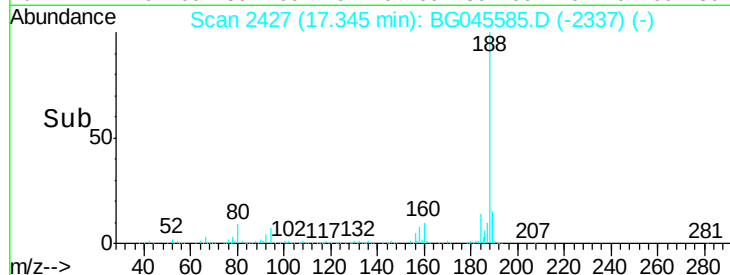
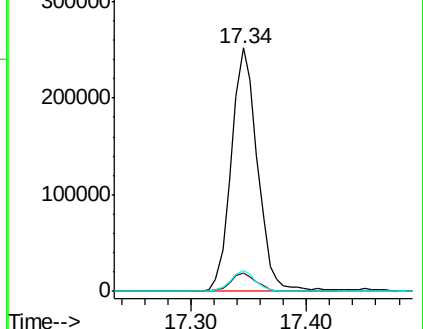
80 8.8 6.6 10.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.103 ng

RT: 16.09 min Scan# 2214

Delta R.T. -0.44 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

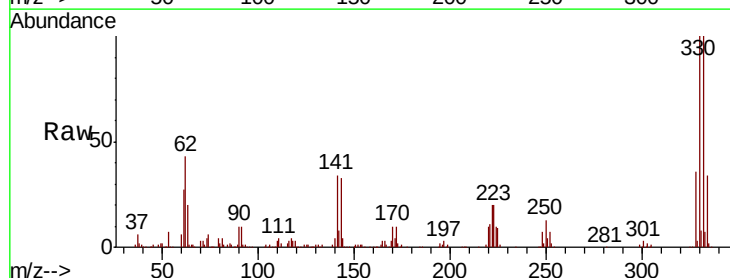
Tgt Ion:248 Resp: 21869

Ion Ratio Lower Upper

248 100

250 179.2 78.6 117.8#

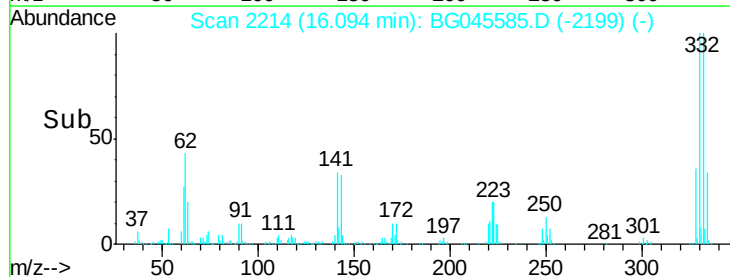
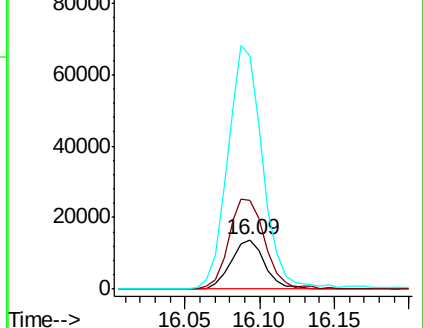
141 468.7 58.2 87.2#

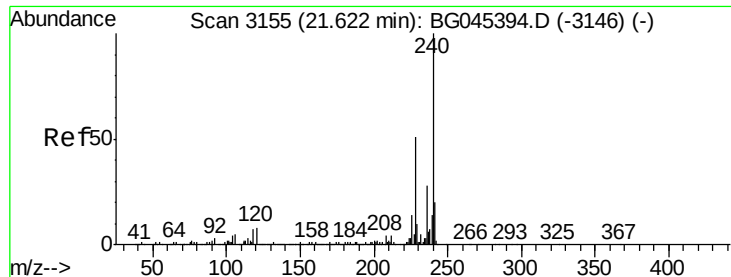


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.60 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

Instrument :

BNA_G

ClientSampleId :

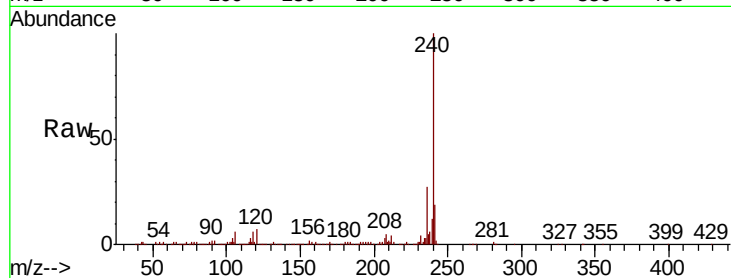
Tot Ion:240 Resp: 409179

Ion Ratio Lower Upper

240 100

120 7.3 6.1 9.1

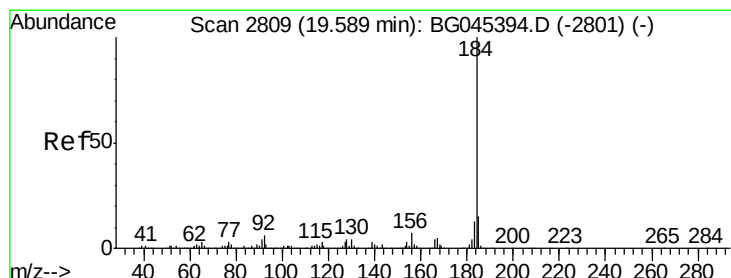
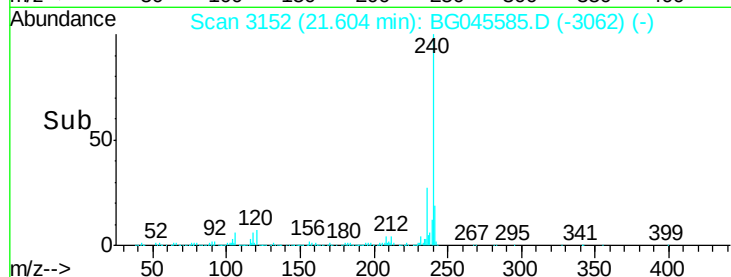
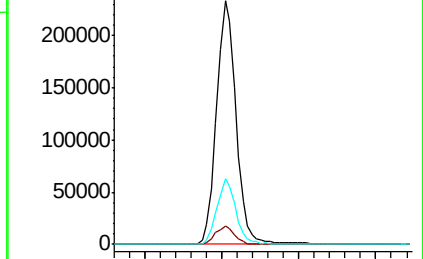
236 26.9 22.3 33.5



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



#77

Benzidine

Concen: 2.981 ng

RT: 19.96 min Scan# 2873

Delta R.T. 0.39 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

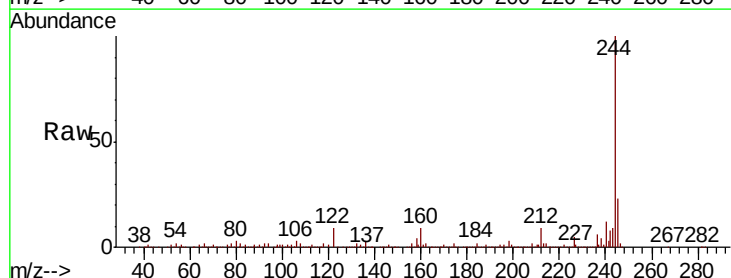
Tgt Ion:184 Resp: 34258

Ion Ratio Lower Upper

184 100

185 15.8 11.7 17.5

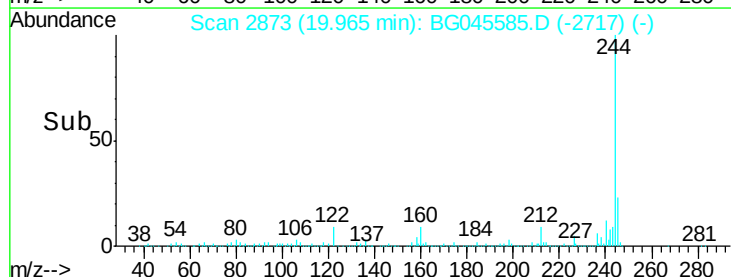
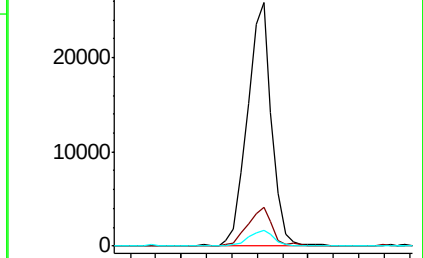
183 6.7 10.2 15.4#

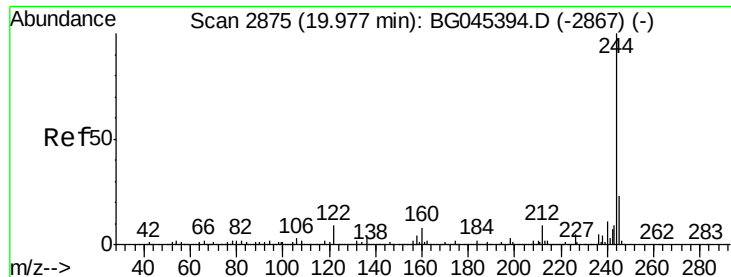


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 104.014 ng

RT: 19.96 min Scan# 2873

Delta R.T. 0.01 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

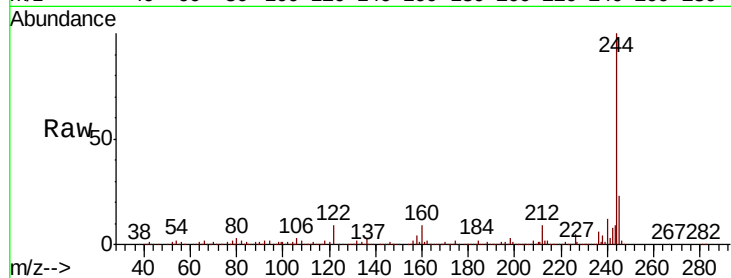
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1824828

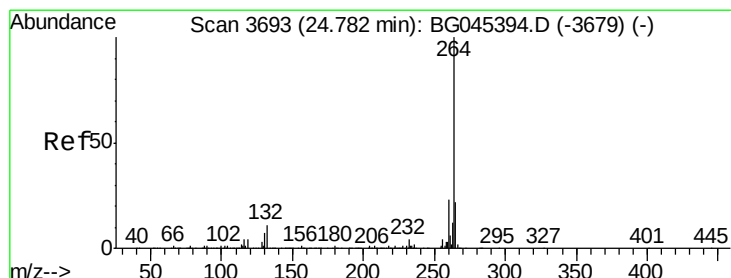
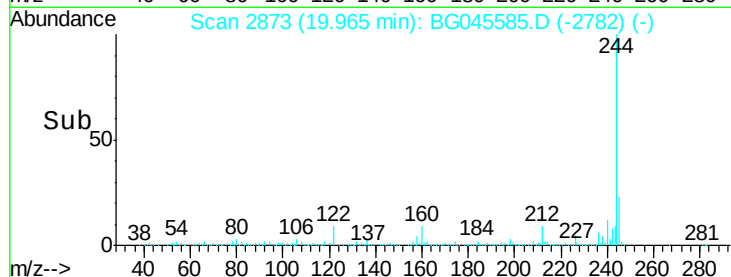
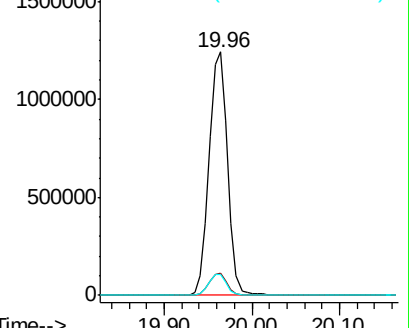
Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.4	11.0
122	8.7	6.8	10.2



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

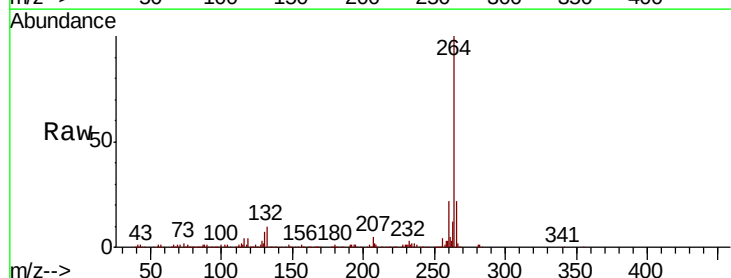
Delta R.T. 0.01 min

Lab File: BG045585.D

Acq: 3 Jun 2020 17:39

Tgt Ion:264 Resp: 427614

Ion	Ratio	Lower	Upper
264	100		
260	21.6	18.2	27.4
265	21.8	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

