

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101719\
 Data File : BG043270.D
 Acq On : 17 Oct 2019 20:17
 Operator : JU
 Sample : K5326-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-AQ-101019

Quant Time: Oct 18 01:42:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

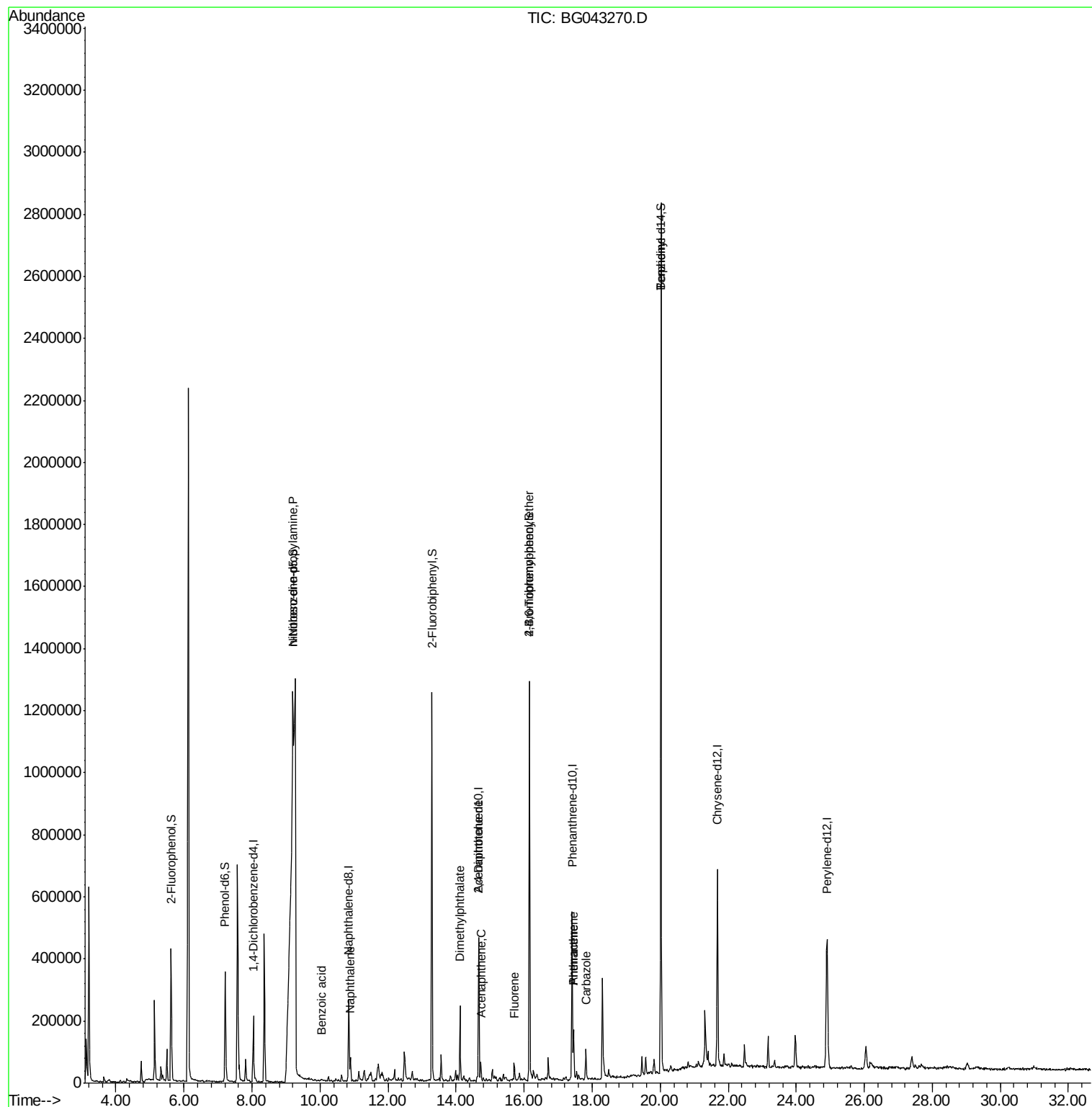
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	58884	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	238603	20.00	ng	-0.02
39) Acenaphthene-d10	14.66	164	167247	20.00	ng	-0.02
64) Phenanthrene-d10	17.41	188	366702	20.00	ng	0.00
76) Chrysene-d12	21.68	240	391819	20.00	ng	0.00
87) Perylene-d12	24.90	264	459314	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	210999	63.95	ng	-0.02
7) Phenol-d6	7.21	99	229118	48.22	ng	-0.02
23) Nitrobenzene-d5	9.20	82	239859	48.86	ng	-0.02
42) 2,4,6-Tribromophenol	16.16	330	306425	106.55	ng	-0.01
45) 2-Fluorobiphenyl	13.29	172	710051	61.55	ng	-0.02
79) Terphenyl-d14	20.02	244	1438597	78.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	35811	11.478	ng	Qvalue # 1
31) Naphthalene	10.90	128	60324	5.136	ng	98
32) Benzoic acid	10.06	122	196	2.888	ng	91
50) Dimethylphthalate	14.12	163	165774	13.229	ng	# 98
52) Acenaphthene	14.73	154	22720	2.333	ng	94
57) 2,4-Dinitrotoluene	14.66	165	23891	6.113	ng	# 26
58) Fluorene	15.71	166	28776	2.339	ng	99
67) 4-Bromophenyl-phenylether	16.16	248	20500	4.454	ng	# 1
71) Phenanthrene	17.45	178	101671	5.679	ng	97
72) Anthracene	17.45	178	101671	5.689	ng	97
73) Carbazole	17.82	167	77725	4.690	ng	98
77) Benzidine	20.02	184	22994	2.344	ng	# 91

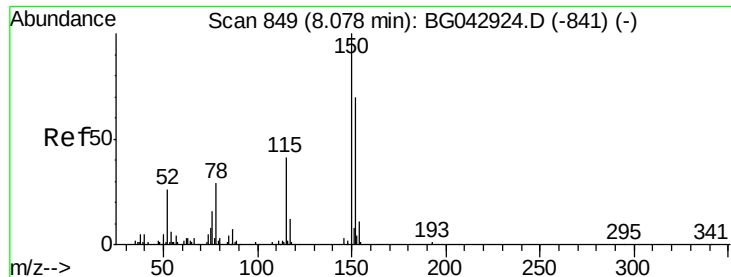
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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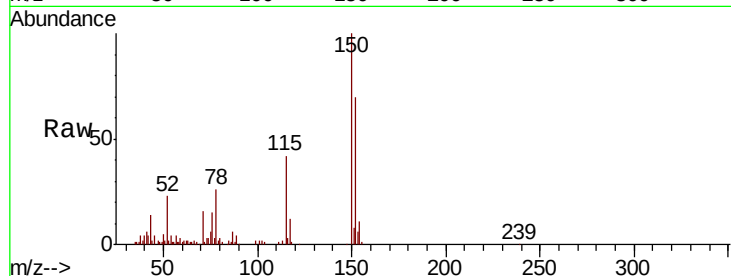


#1

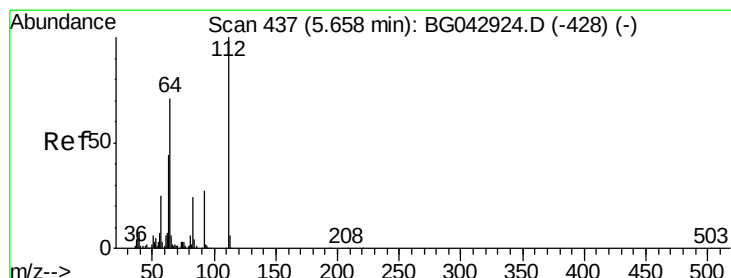
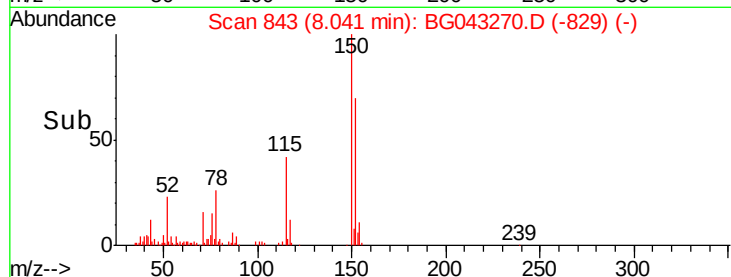
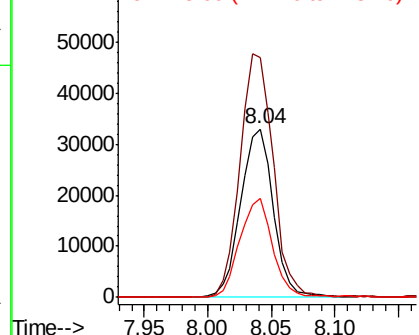
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Instrument :
BNA_G
ClientSampleId :
IDW-AQ-101019

Tot Ion:152 Resp: 58884
Ion Ratio Lower Upper
152 100
150 142.0 115.0 172.4
115 59.1 47.0 70.6



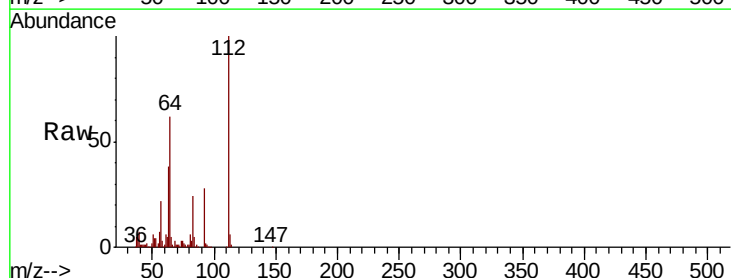
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



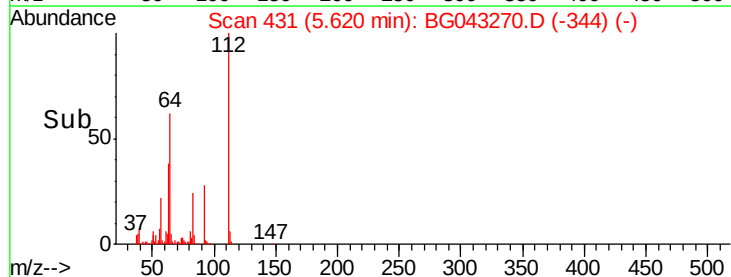
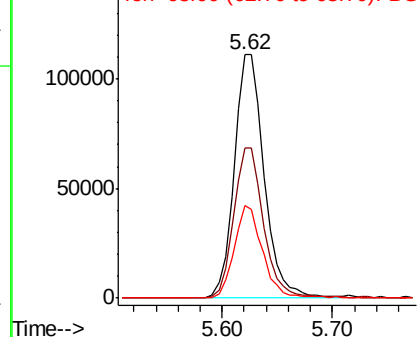
#5

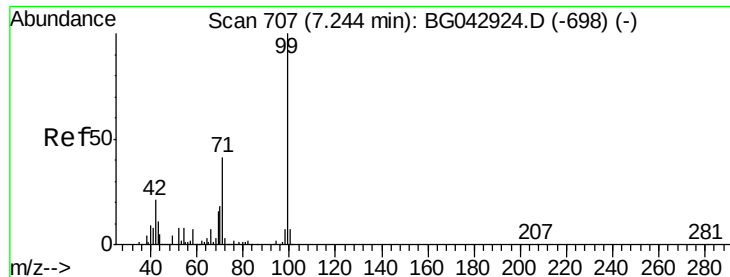
2-Fluorophenol
Concen: 63.948 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt Ion:112 Resp: 210999
Ion Ratio Lower Upper
112 100
64 61.6 56.6 84.8
63 37.8 35.1 52.7



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: 48.220 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

Instrument :

BNA_G

ClientSampleId :

IDW-AQ-101019

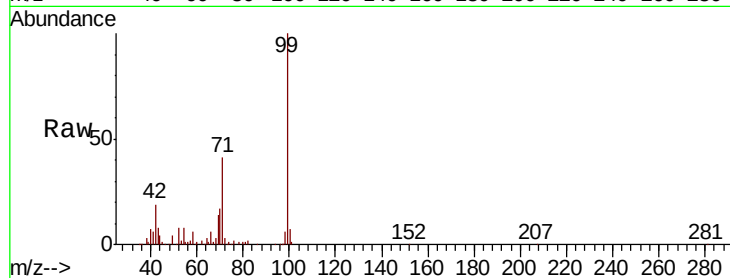
Tot Ion: 99 Resp: 229118

Ion Ratio Lower Upper

99 100

42 19.2 17.2 25.8

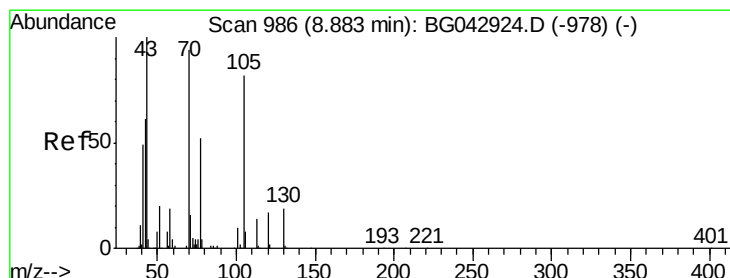
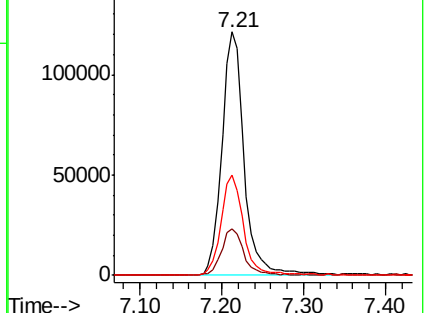
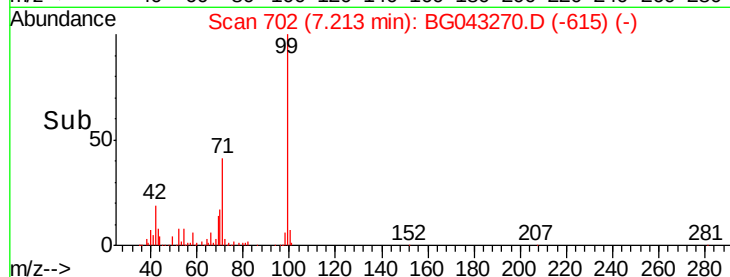
71 41.0 33.1 49.7



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: 11.478 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

Tgt Ion: 70 Resp: 35811

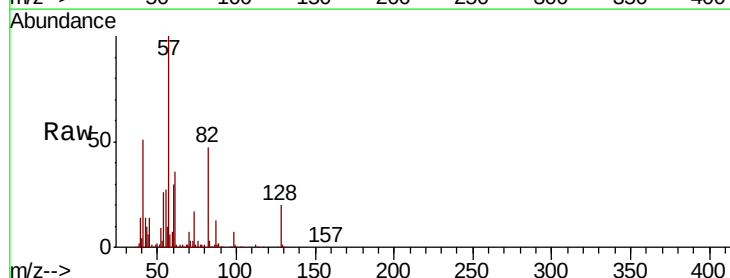
Ion Ratio Lower Upper

70 100

42 189.0 52.6 79.0#

101 0.0 8.7 13.1#

130 0.9 15.8 23.8#

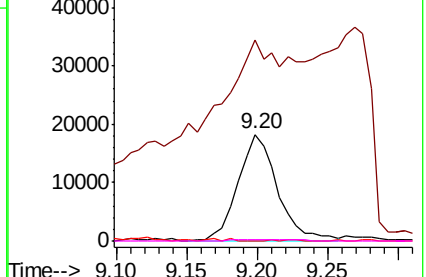
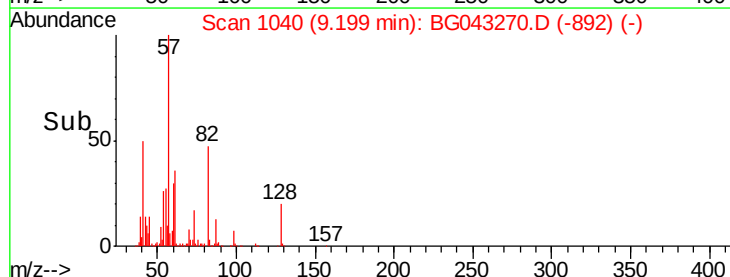


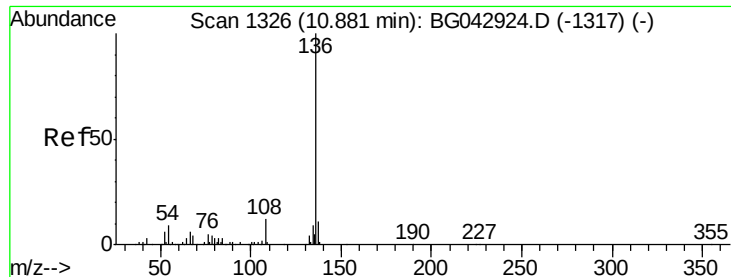
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

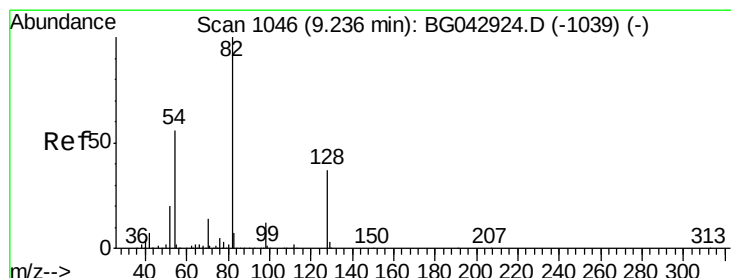
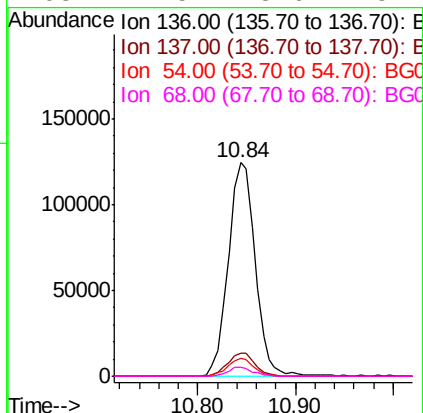
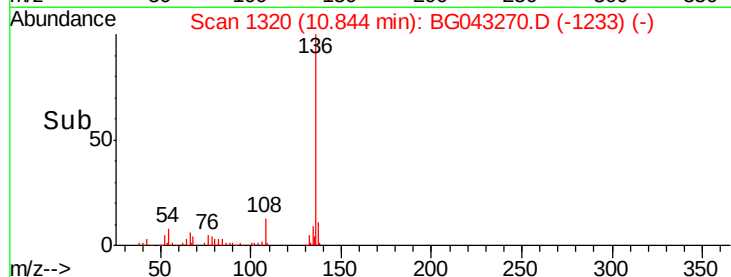
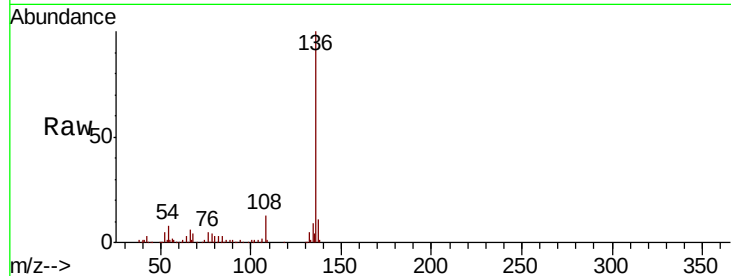




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

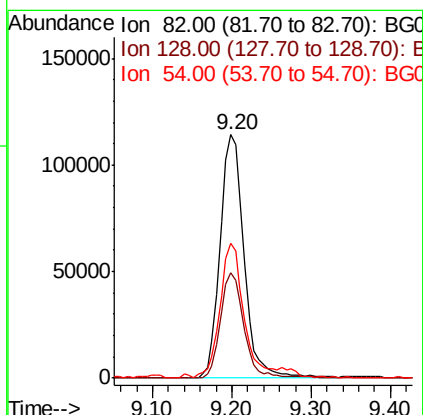
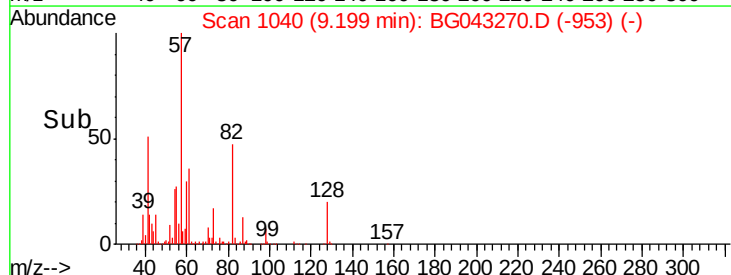
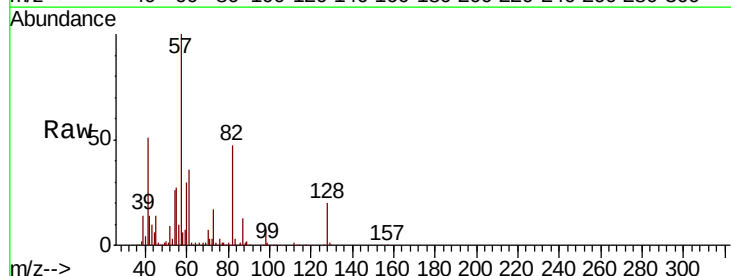
Instrument :
BNA_G
ClientSampleId :
IDW-AQ-101019

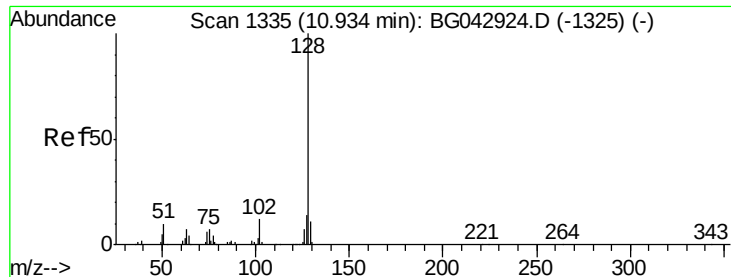
Tot Ion:136	Resp:	238603	
Ion Ratio	Lower	Upper	
136 100			
137 10.7	8.5	12.7	
54 8.4	7.4	11.2	
68 4.5	3.6	5.4	



#23
Nitrobenzene-d5
Concen: 48.861 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt	Ion: 82	Resp:	239859
Ion	Ratio	Lower	Upper
82	100		
128	43.4	29.5	44.3
54	55.6	44.6	67.0

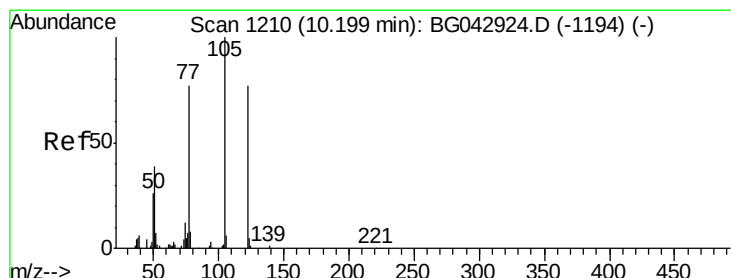
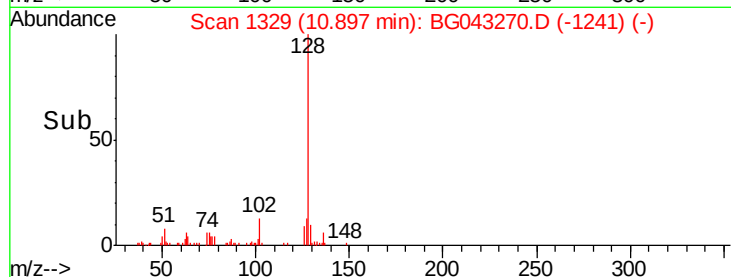
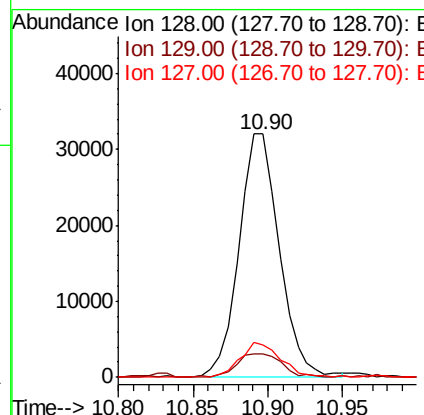
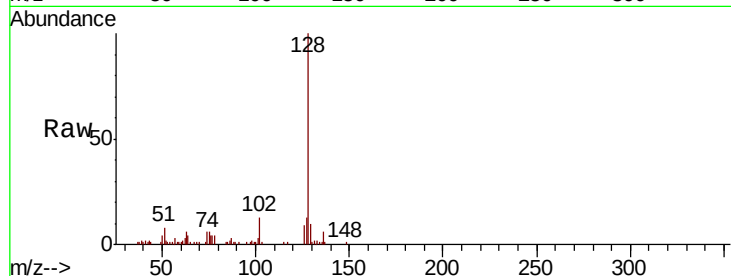




#31
Naphthalene
Concen: 5.136 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

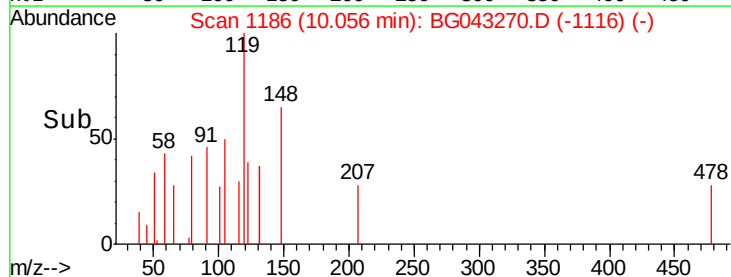
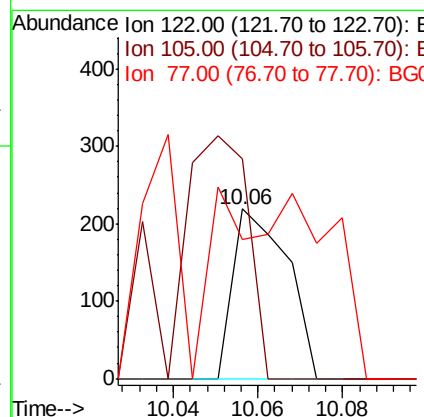
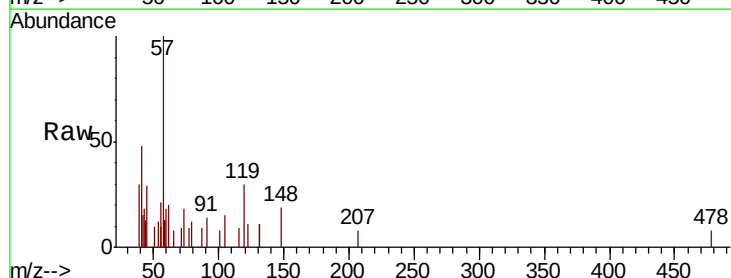
Instrument :
BNA_G
ClientSampleId :
IDW-AQ-101019

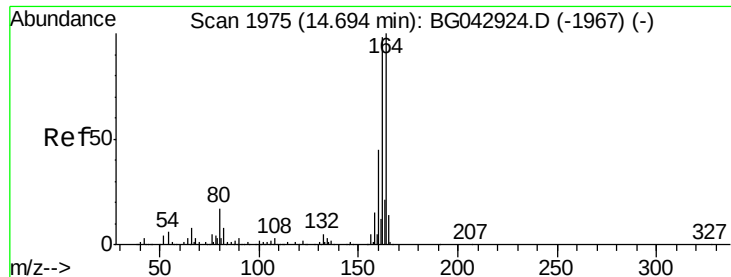
Tot Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.8	13.2
127	13.5	11.3	16.9



#32
Benzoic acid
Concen: 2.888 ng
RT: 10.06 min Scan# 1186
Delta R.T. -0.12 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt Ion	Ratio	Lower	Upper
122	100		
105	129.7	107.5	147.5
77	81.7	79.8	119.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.02 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

Instrument :

BNA_G

ClientSampleId :

IDW-AQ-101019

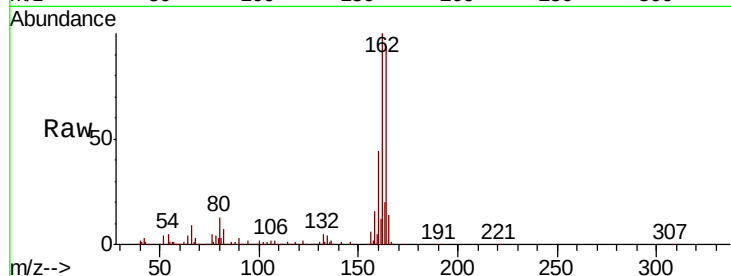
Tot Ion:164 Resp: 167247

Ion Ratio Lower Upper

164 100

162 106.1 78.5 117.7

160 46.7 35.9 53.9

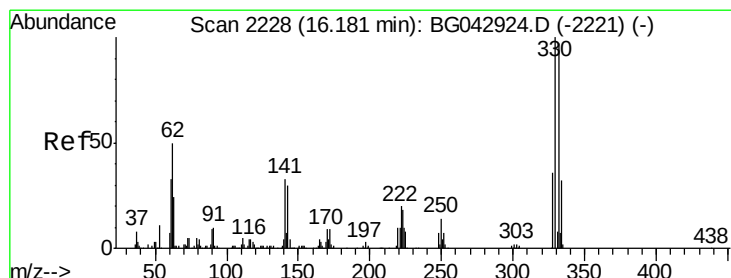
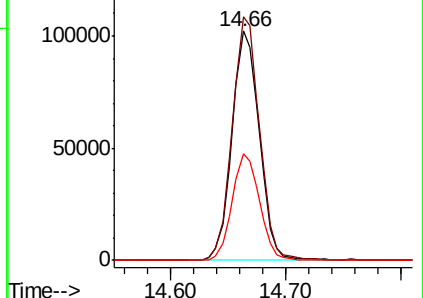
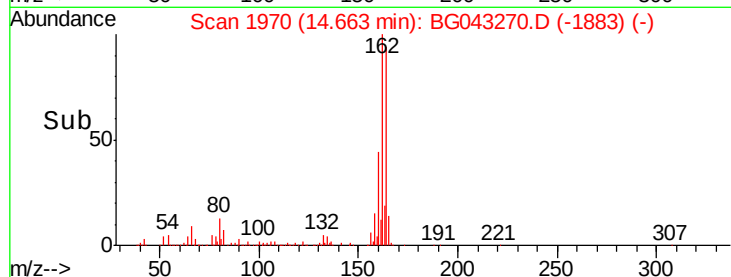


Abundance

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: 106.549 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

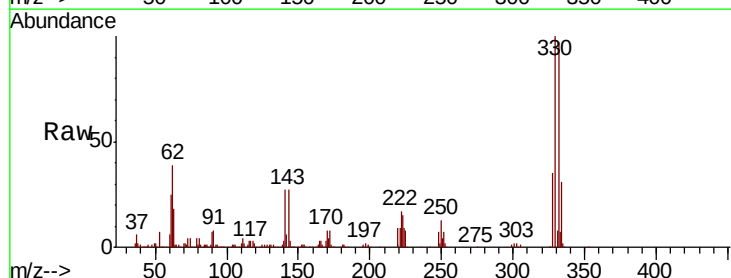
Tgt Ion:330 Resp: 306425

Ion Ratio Lower Upper

330 100

332 96.7 78.2 117.2

141 27.2 26.0 39.0

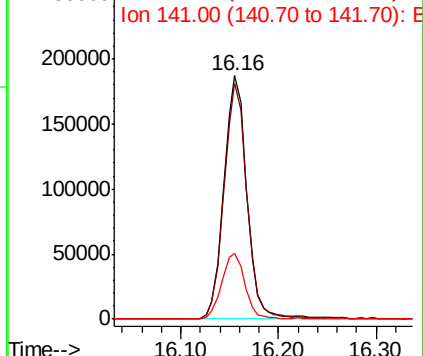
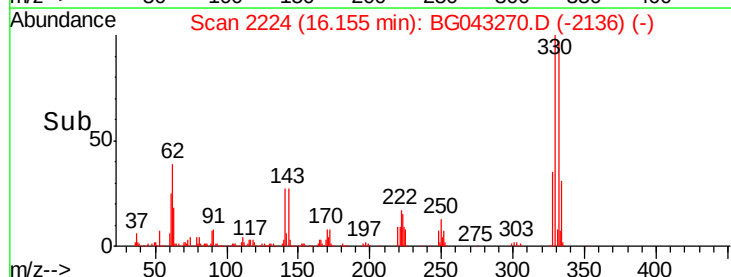


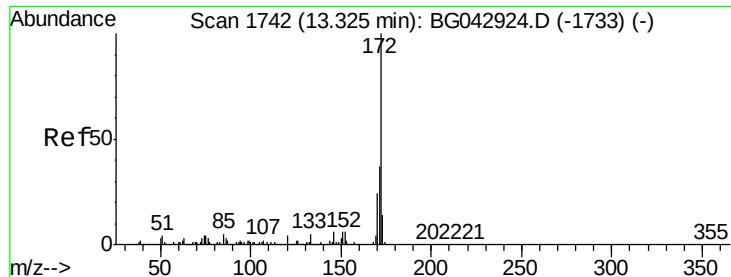
Abundance

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

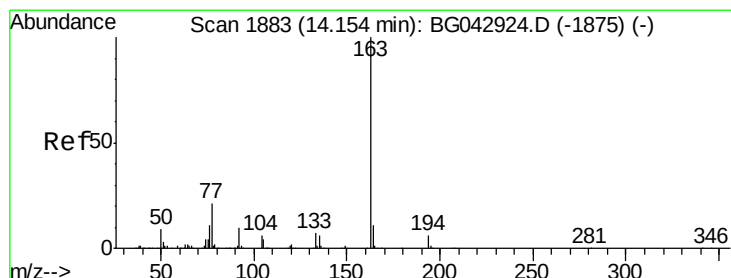
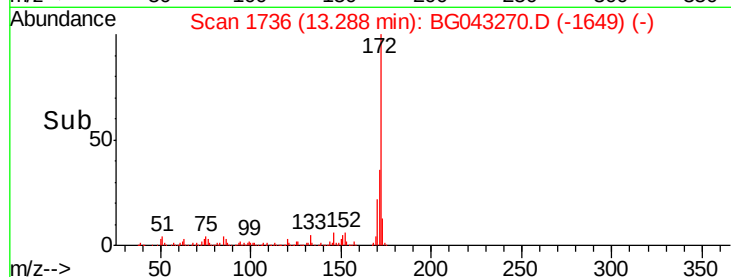
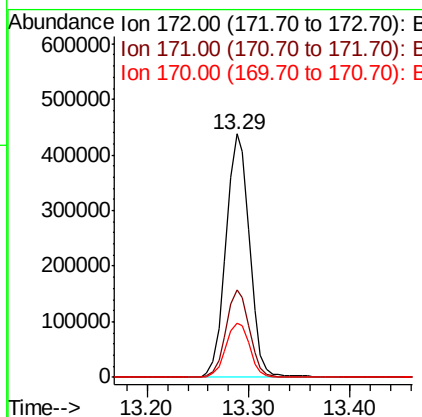
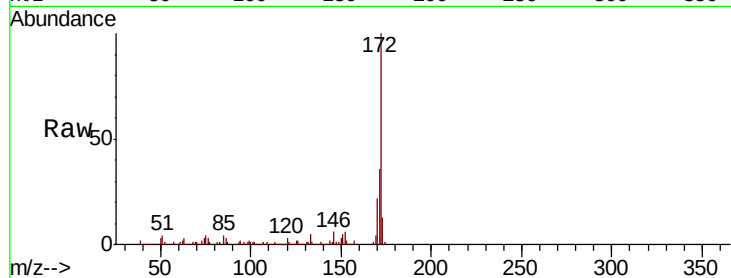




#45
2-Fluorobiphenyl
Concen: 61.547 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

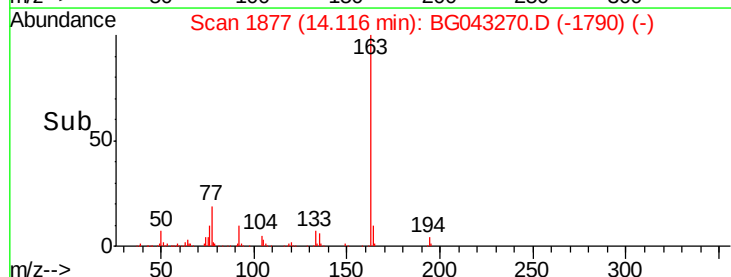
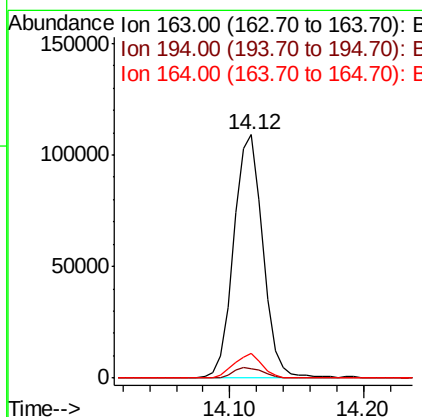
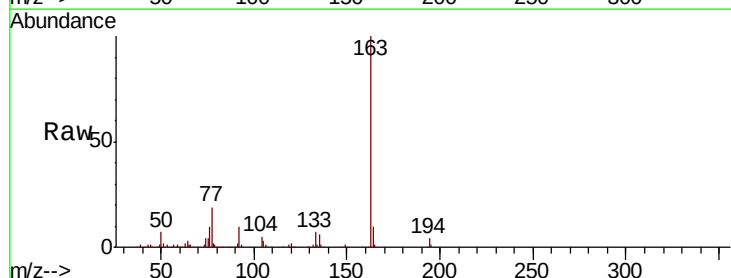
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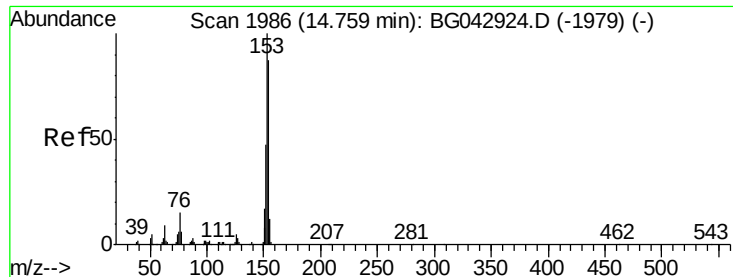
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	22.3	19.6	29.4



#50
Dimethylphthalate
Concen: 13.229 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.02 min
Lab File: BG043270.D
Acq: 17 Oct 2019 20:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	4.4	6.6#
164	10.3	8.6	12.8





#52

Acenaphthene

Concen: 2.333 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.02 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

Instrument :

BNA_G

ClientSampleId :

IDW-AQ-101019

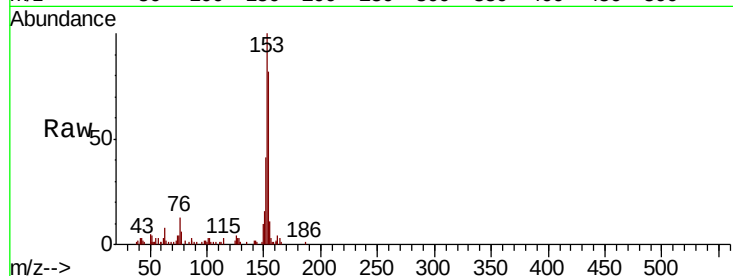
Tot Ion:154 Resp: 22720

Ion Ratio Lower Upper

154 100

153 121.9 91.4 137.0

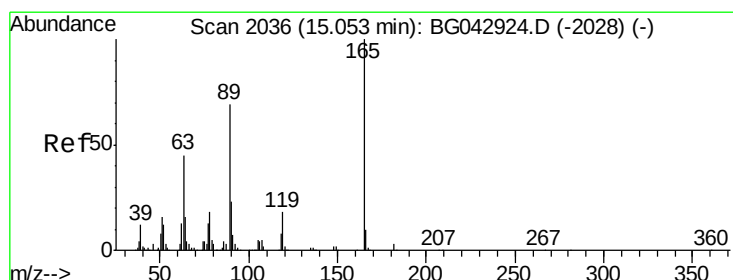
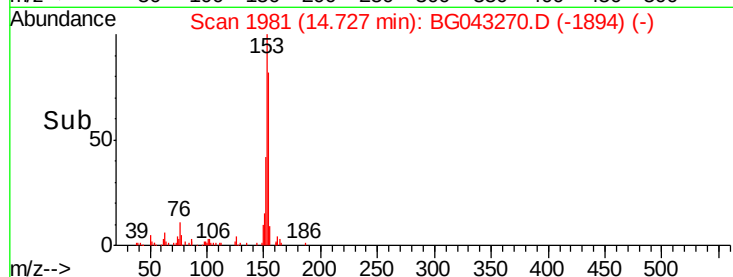
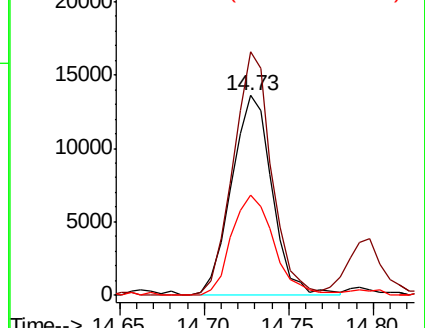
152 50.3 42.8 64.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 6.113 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.37 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

Tgt Ion:165 Resp: 23891

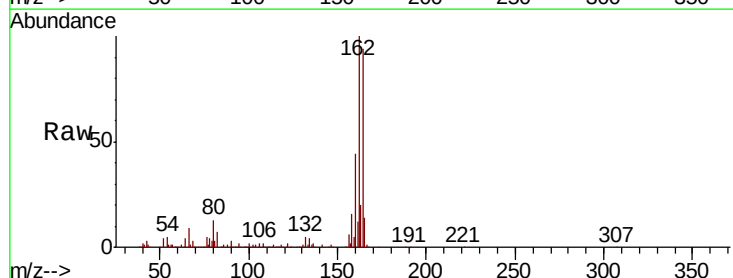
Ion Ratio Lower Upper

165 100

63 2.1 36.5 54.7#

89 2.0 55.5 83.3#

182 0.0 2.4 3.6#

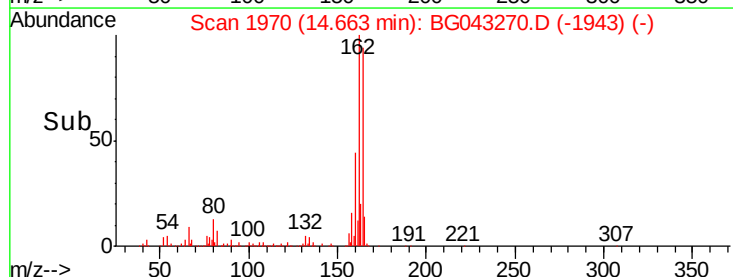
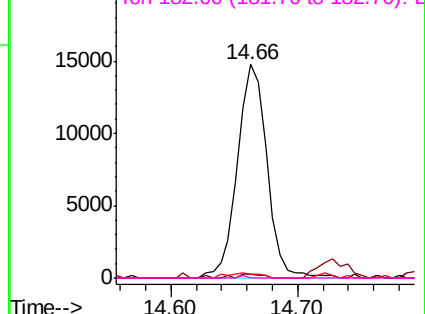


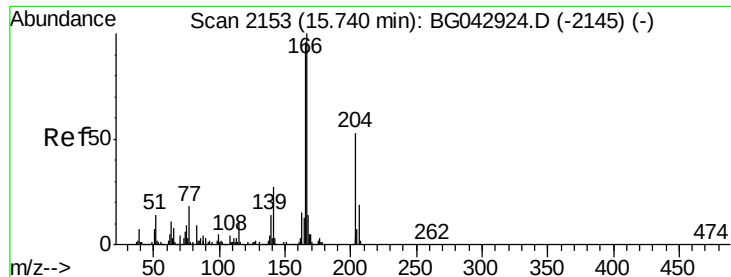
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 2.339 ng

RT: 15.71 min Scan# 2149

Delta R.T. -0.01 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

Instrument :

BNA_G

ClientSampleId :

IDW-AQ-101019

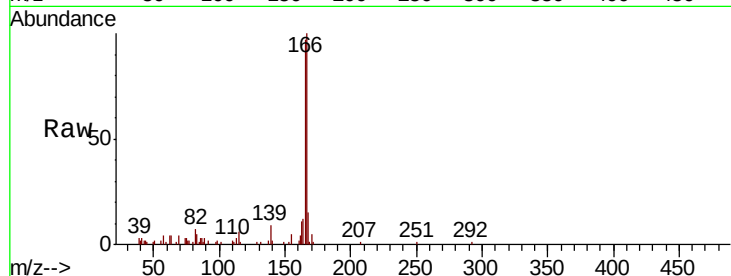
Tot Ion:166 Resp: 28776

Ion Ratio Lower Upper

166 100

165 97.3 77.1 115.7

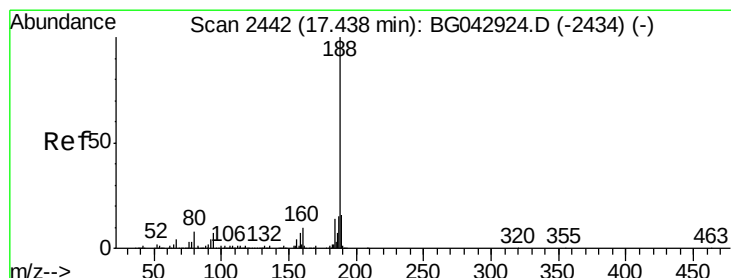
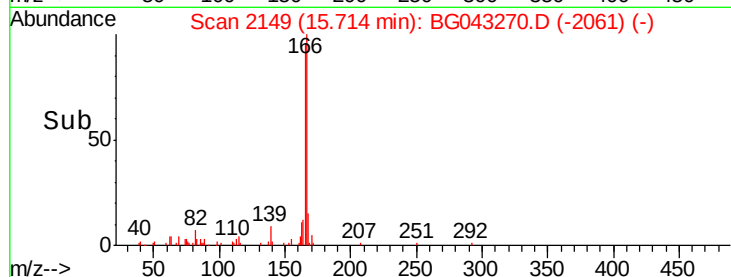
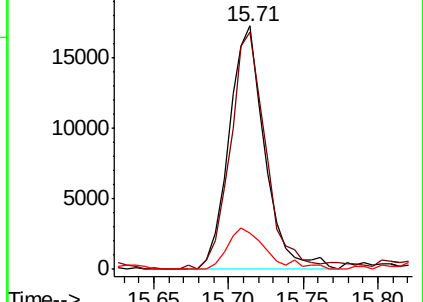
167 15.0 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

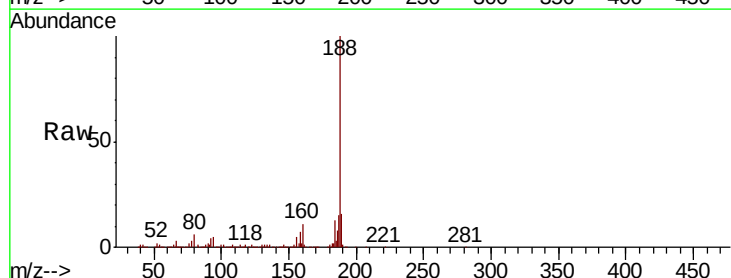
Tgt Ion:188 Resp: 366702

Ion Ratio Lower Upper

188 100

94 5.0 5.7 8.5#

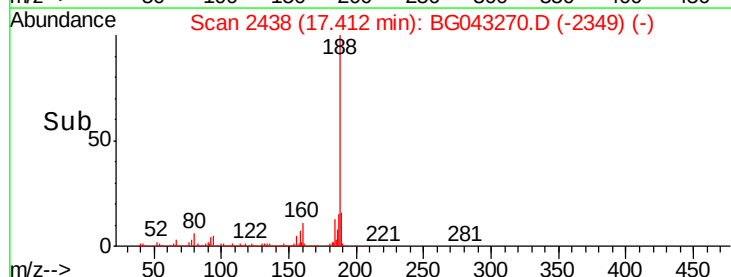
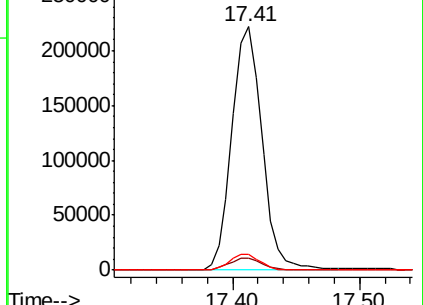
80 6.5 6.5 9.7#

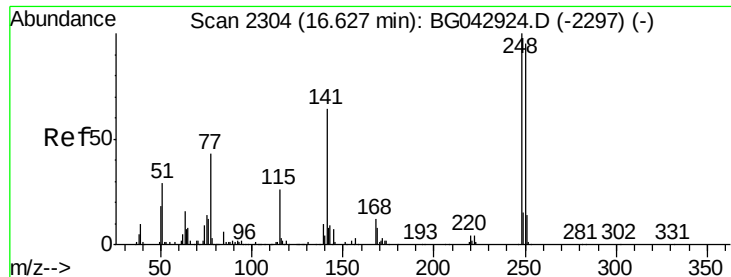


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

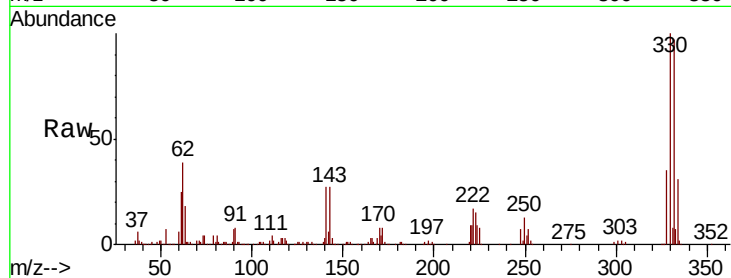




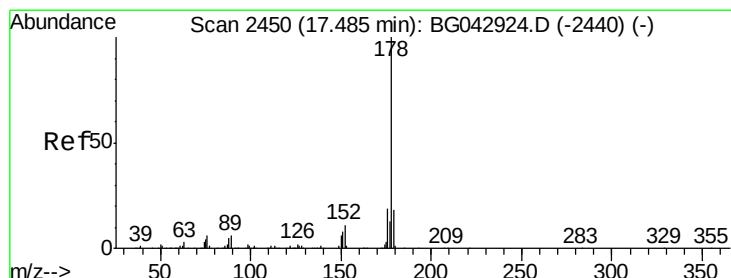
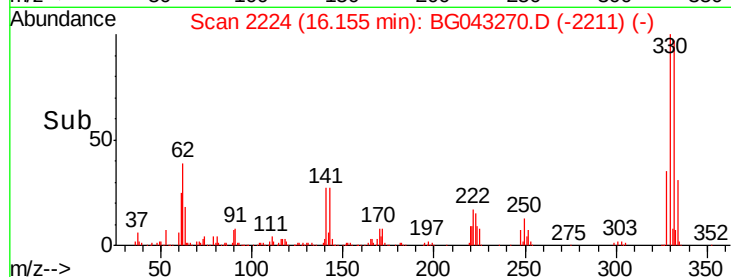
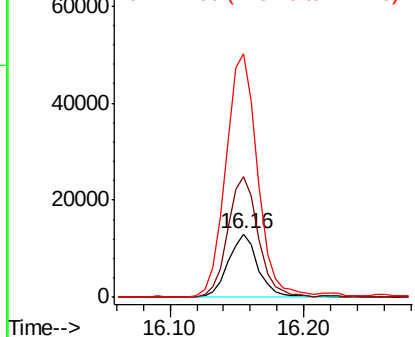
#67
 4-Bromophenyl-phenylether
 Concen: 4.454 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG043270.D
 Acq: 17 Oct 2019 20:17

Instrument :
 BNA_G
 ClientSampleId :
 IDW-AQ-101019

Tot Ion:248 Resp: 20500
 Ion Ratio Lower Upper
 248 100
 250 190.8 75.8 113.8#
 141 383.6 51.1 76.7#

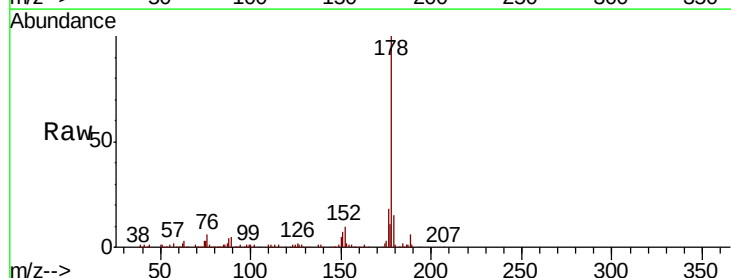


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

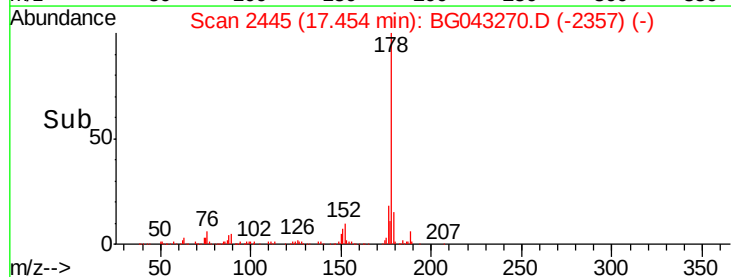
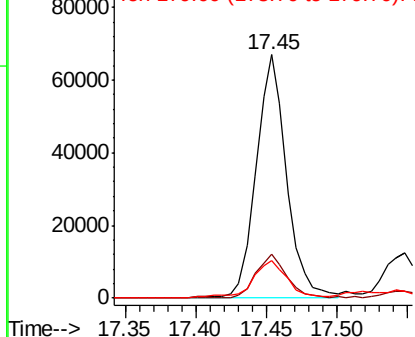


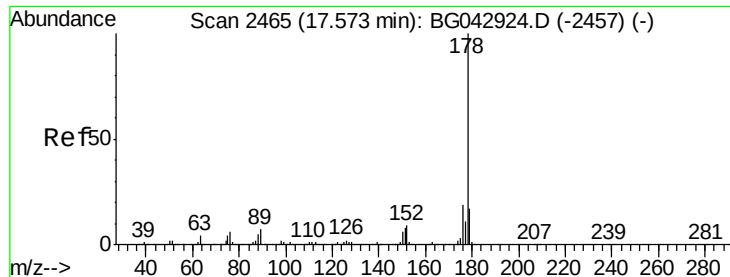
#71
 Phenanthrene
 Concen: 5.679 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG043270.D
 Acq: 17 Oct 2019 20:17

Tgt Ion:178 Resp: 101671
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.1 22.7
 179 15.5 14.1 21.1



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: 5.689 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.10 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

Instrument :

BNA_G

ClientSampleId :

IDW-AQ-101019

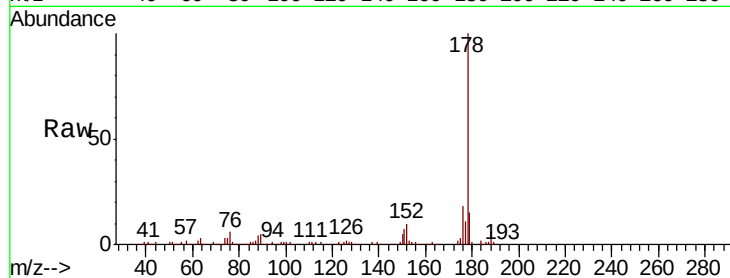
Tot Ion:178 Resp: 101671

Ion Ratio Lower Upper

178 100

176 18.1 15.5 23.3

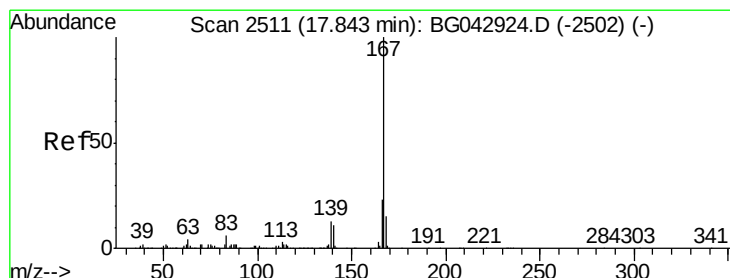
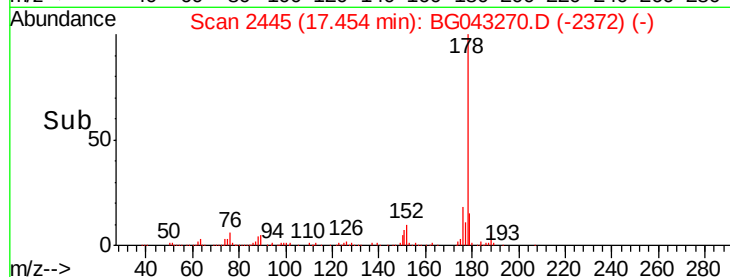
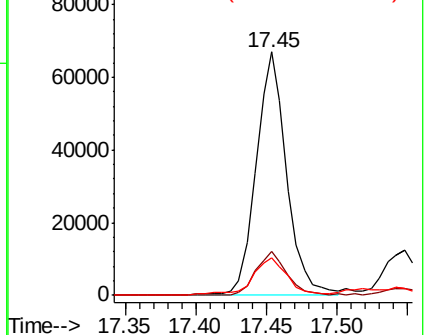
179 15.5 13.5 20.3



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



#73

Carbazole

Concen: 4.690 ng

RT: 17.82 min Scan# 2507

Delta R.T. -0.01 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

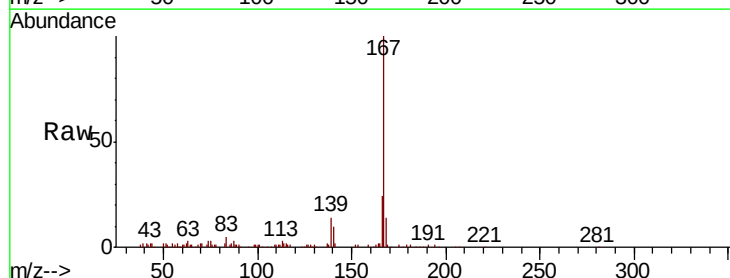
Tgt Ion:167 Resp: 77725

Ion Ratio Lower Upper

167 100

166 24.1 18.6 28.0

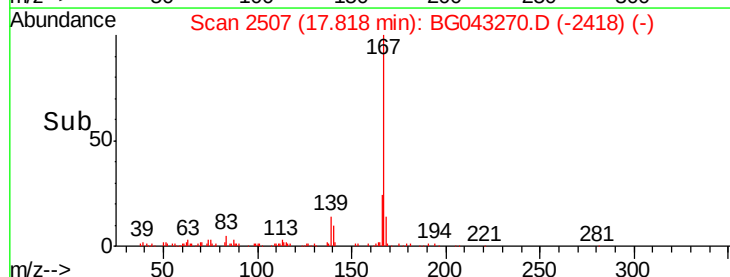
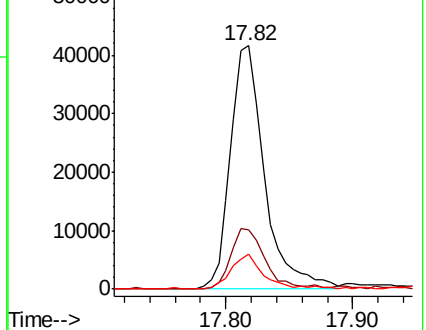
139 14.2 10.8 16.2

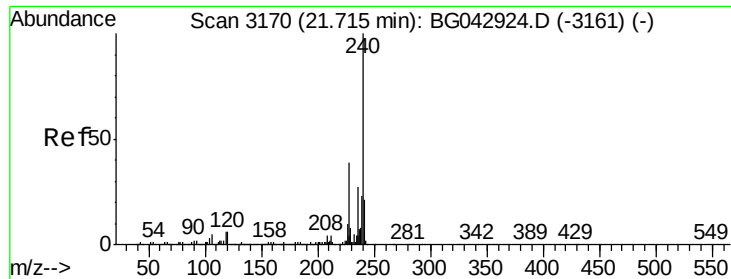


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

Instrument :

BNA_G

ClientSampleId :

IDW-AQ-101019

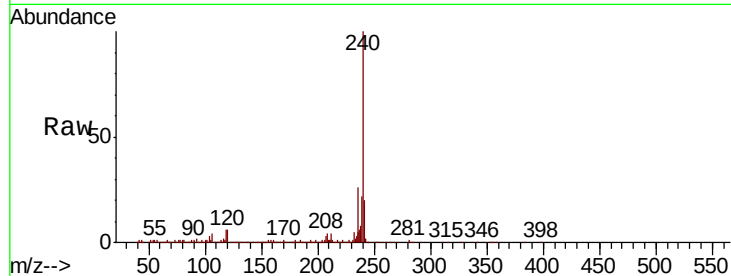
Tot Ion:240 Resp: 391819

Ion Ratio Lower Upper

240 100

120 5.8 4.8 7.2

236 26.3 21.4 32.0

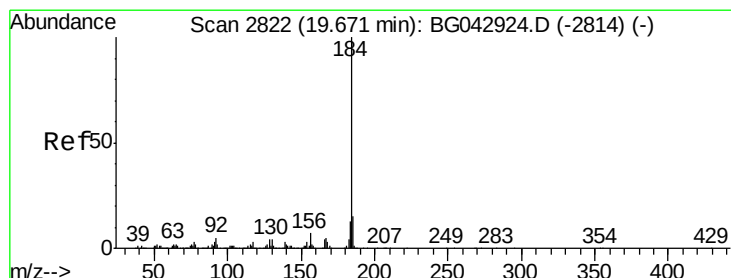
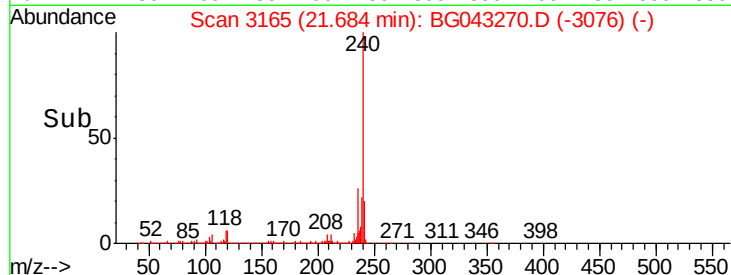
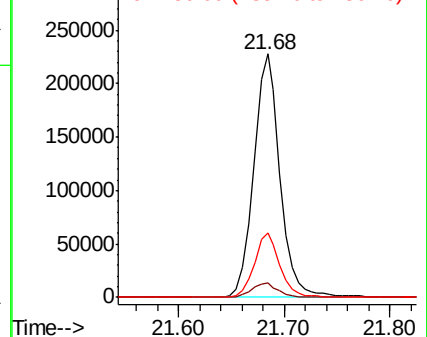


Abundance

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: 2.344 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

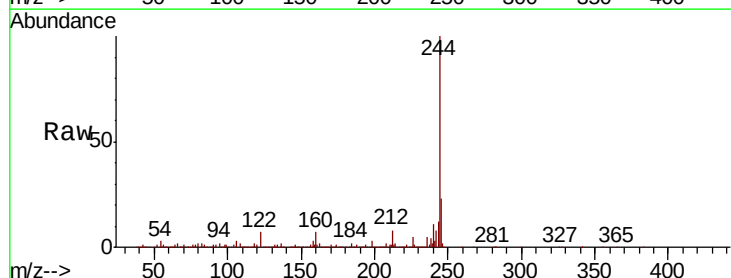
Tgt Ion:184 Resp: 22994

Ion Ratio Lower Upper

184 100

185 18.0 11.8 17.8#

183 8.5 10.1 15.1#

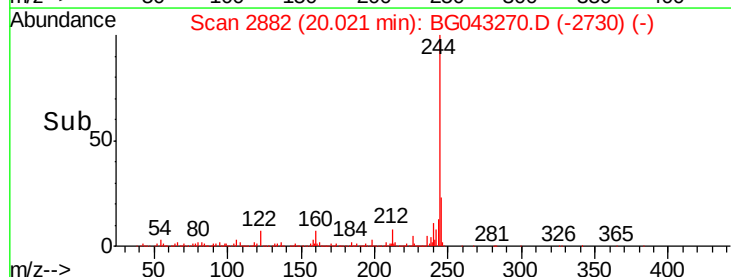
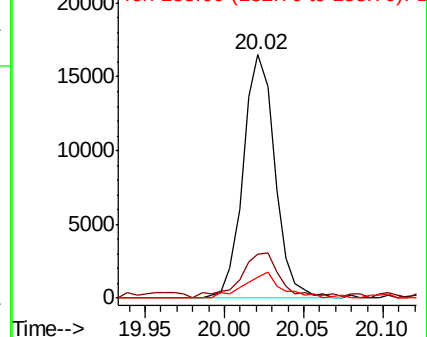


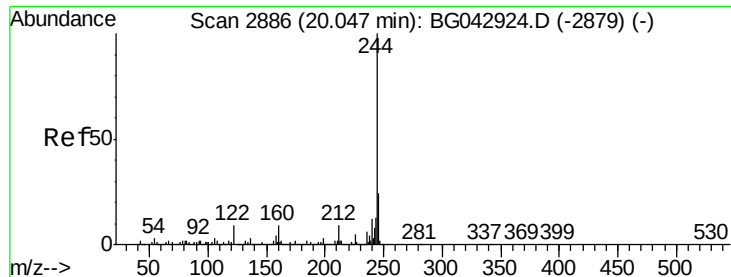
Abundance

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: 78.237 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

Instrument :

BNA_G

ClientSampleId :

IDW-AQ-101019

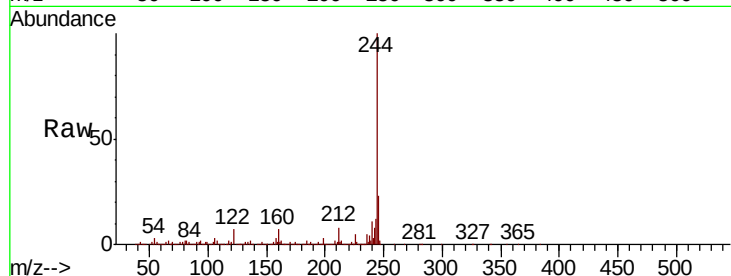
Tot Ion:244 Resp: 1438597

Ion Ratio Lower Upper

244 100

212 7.8 7.4 11.0

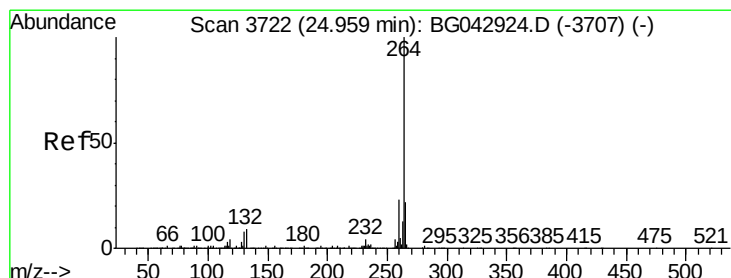
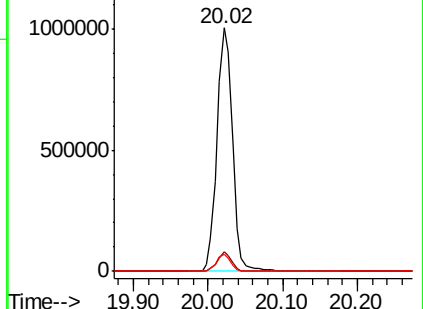
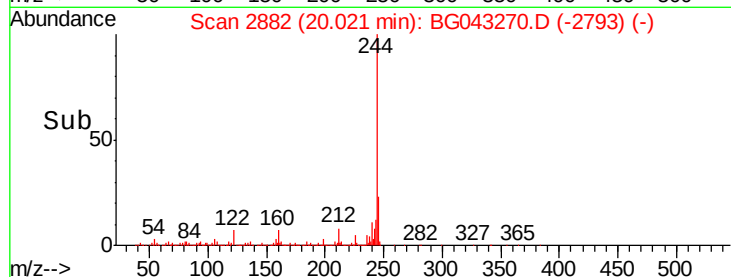
122 7.1 7.0 10.4



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: 24.90 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG043270.D

Acq: 17 Oct 2019 20:17

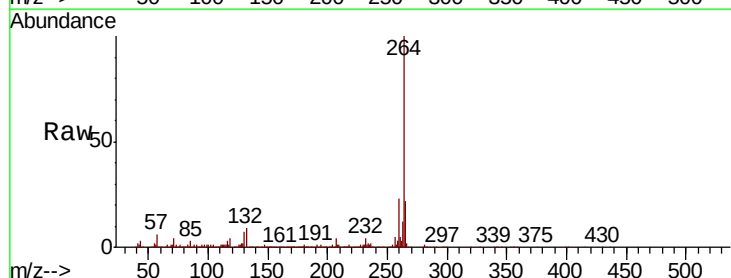
Tgt Ion:264 Resp: 459314

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 22.0 17.7 26.5



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

