

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\
 Data File : BG042991.D
 Acq On : 2 Oct 2019 19:06
 Operator : JU
 Sample : K5154-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-106I

Quant Time: Oct 03 04:27:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

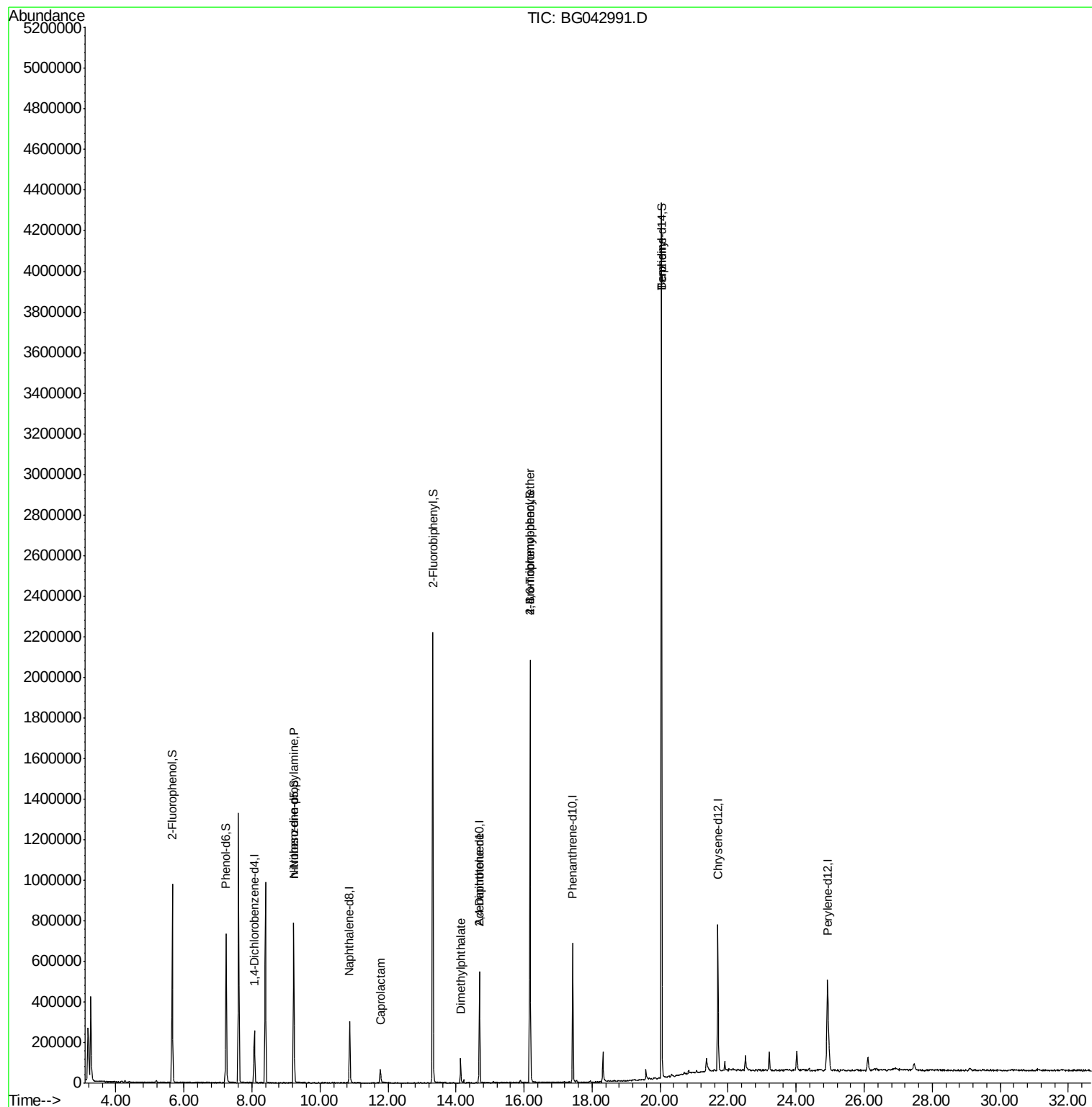
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	72602	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	266061	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	191515	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	434985	20.00	ng	0.00
76) Chrysene-d12	21.70	240	457457	20.00	ng	-0.02
87) Perylene-d12	24.92	264	526997	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	418374	102.84	ng	0.00
7) Phenol-d6	7.24	99	426256	72.76	ng	0.00
23) Nitrobenzene-d5	9.23	82	482281	88.11	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	439763	133.54	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1198279	90.71	ng	0.00
79) Terphenyl-d14	20.04	244	2062450	96.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	69432	18.049	ng	Qvalue # 75
35) Caprolactam	11.77	113	13986	9.342	ng	91
50) Dimethylphthalate	14.13	163	76843	5.355	ng	# 98
57) 2,4-Dinitrotoluene	14.69	165	25679	5.738	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	30358	5.561	ng	# 1
77) Benzidine	20.04	184	35028	3.058	ng	96

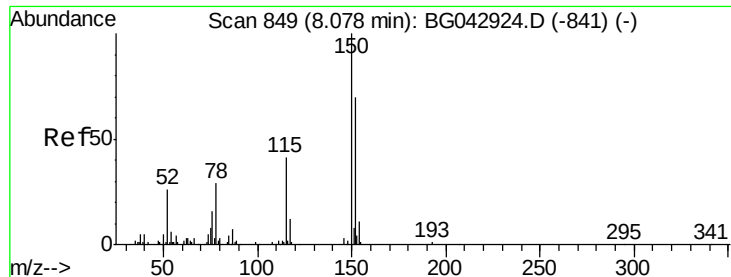
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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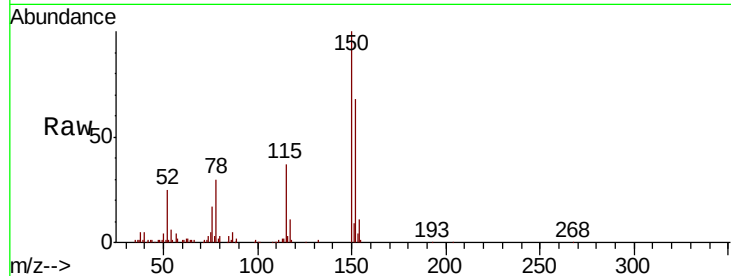


#1

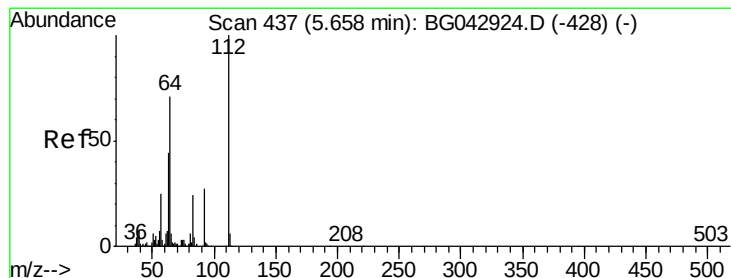
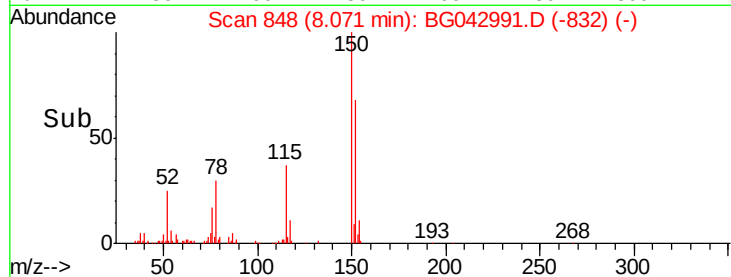
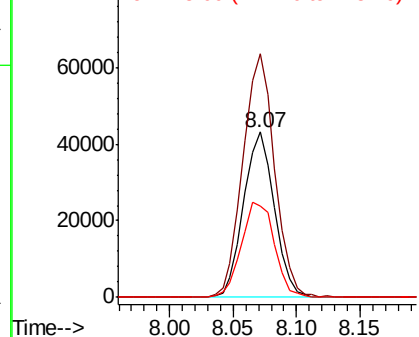
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG042991.D
Acq: 2 Oct 2019 19:06

Instrument :
BNA_G
ClientSampleId :
MW-106I

Tot Ion:152 Resp: 72602
Ion Ratio Lower Upper
152 100
150 147.5 115.0 172.4
115 55.1 47.0 70.6



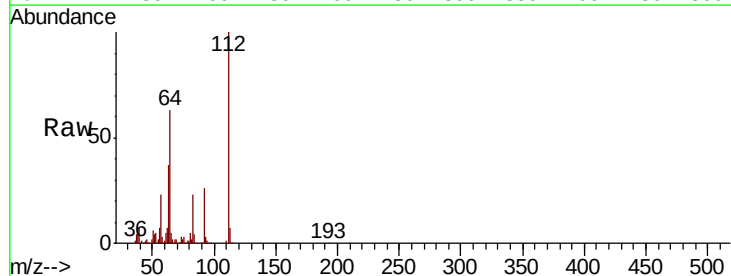
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



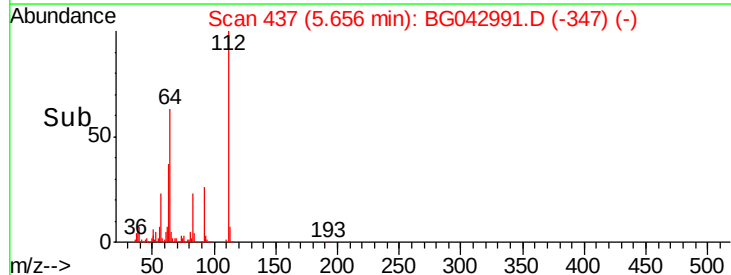
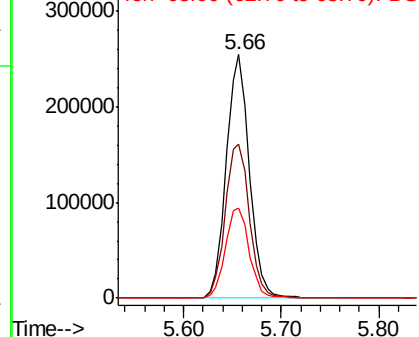
#5

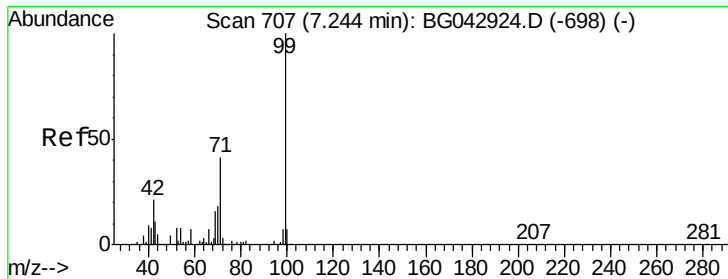
2-Fluorophenol
Concen: 102.840 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG042991.D
Acq: 2 Oct 2019 19:06

Tgt Ion:112 Resp: 418374
Ion Ratio Lower Upper
112 100
64 63.1 56.6 84.8
63 36.9 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: 72.759 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG042991.D

Acq: 2 Oct 2019 19:06

Instrument :

BNA_G

ClientSampleId :

MW-106I

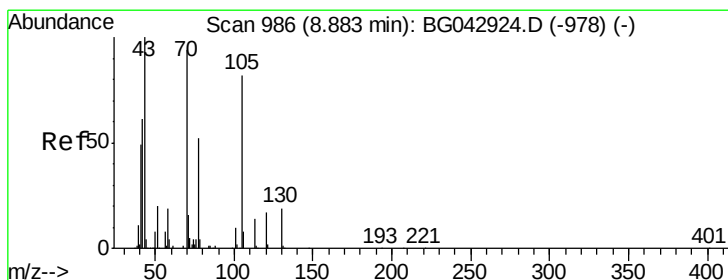
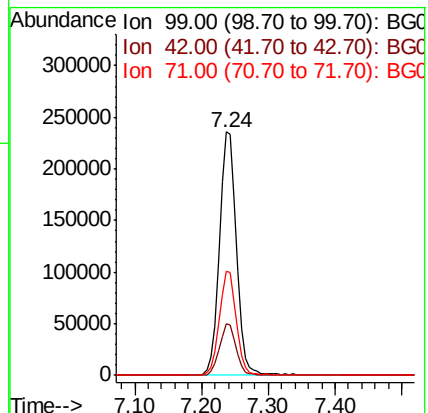
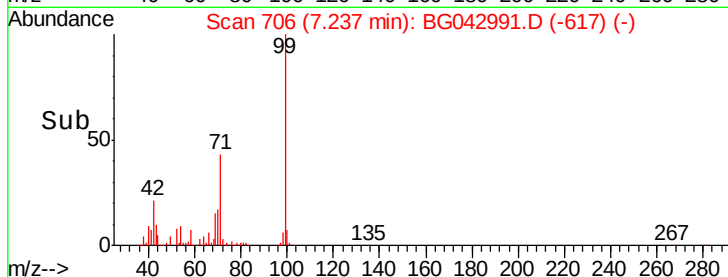
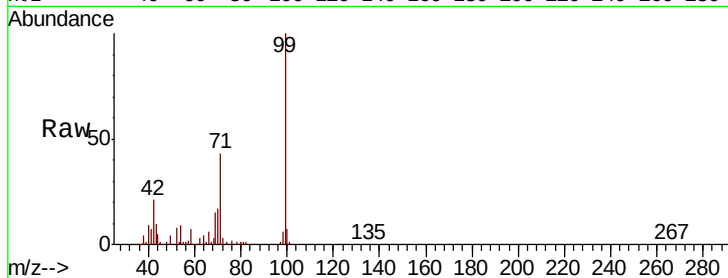
Tot Ion: 99 Resp: 426256

Ion Ratio Lower Upper

99 100

42 21.4 17.2 25.8

71 42.6 33.1 49.7



#19

n-Nitroso-di-n-propylamine

Concen: 18.049 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.35 min

Lab File: BG042991.D

Acq: 2 Oct 2019 19:06

Tgt Ion: 70 Resp: 69432

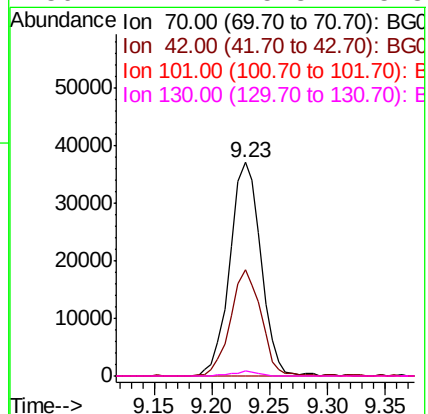
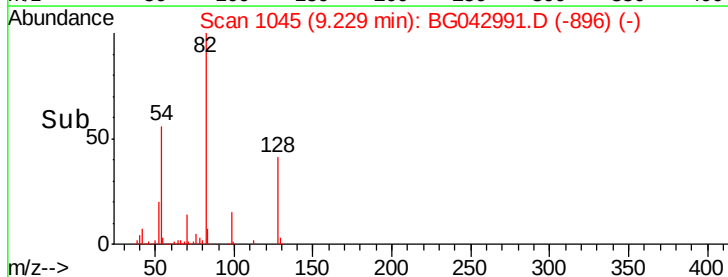
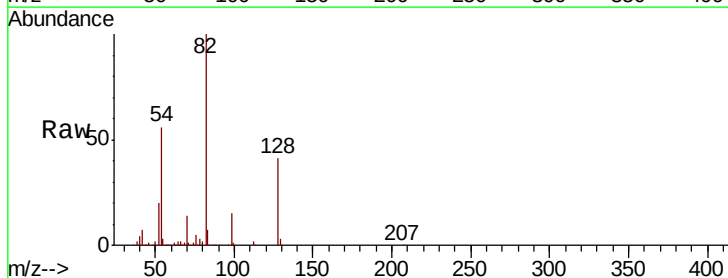
Ion Ratio Lower Upper

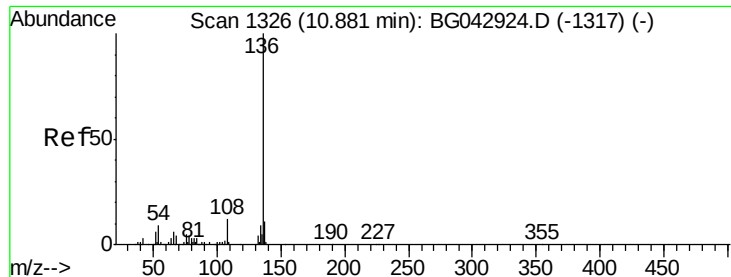
70 100

42 49.8 52.6 79.0#

101 0.0 8.7 13.1#

130 2.1 15.8 23.8#

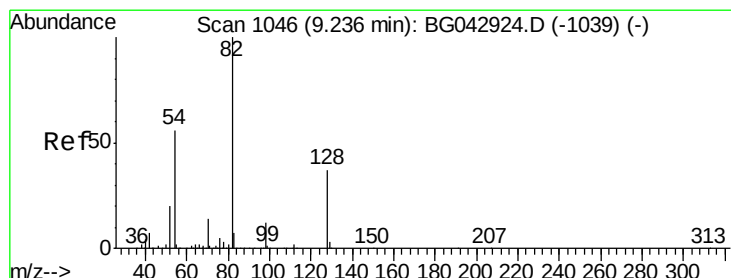
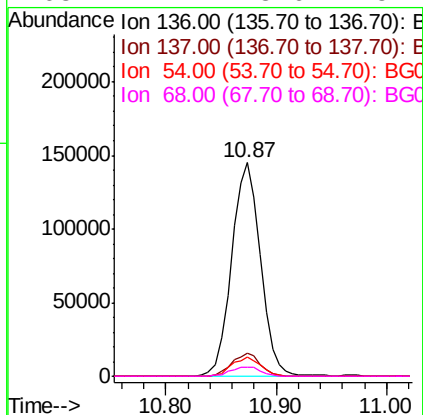
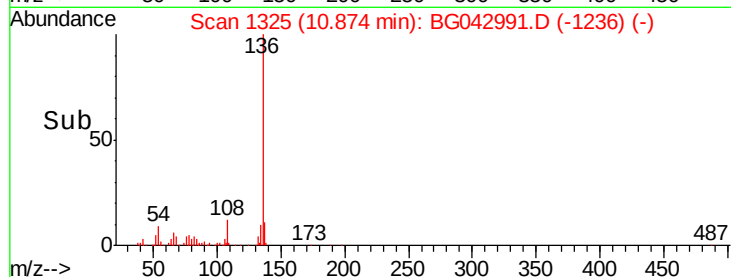
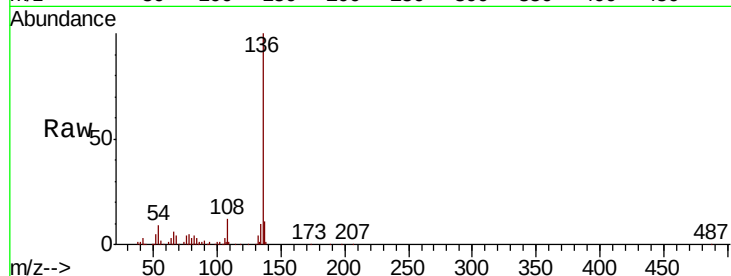




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042991.D
Acq: 2 Oct 2019 19:06

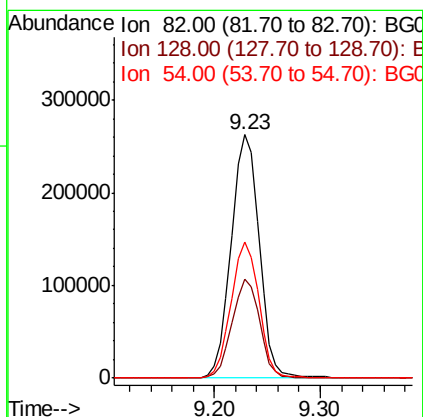
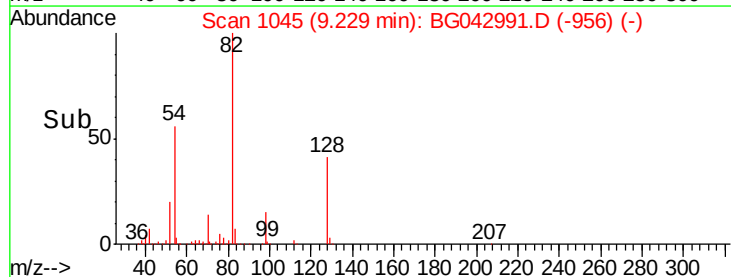
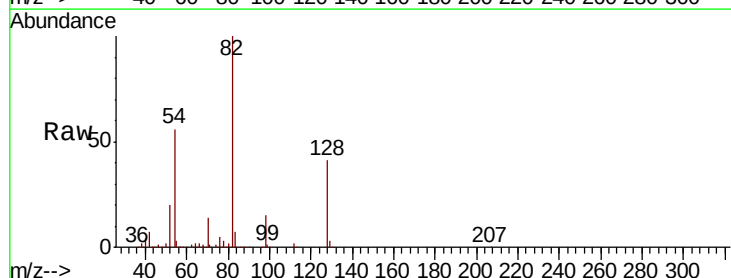
Instrument :
BNA_G
ClientSampleId :
MW-106I

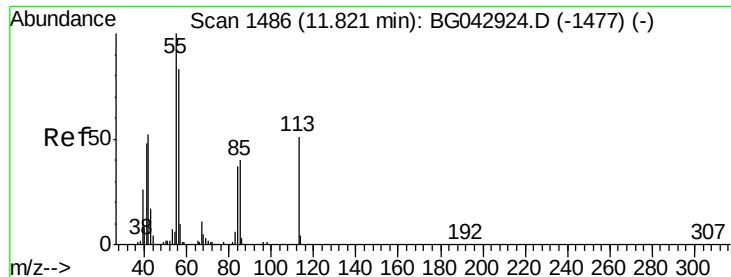
Tot Ion:136	Resp:	266061
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.5 12.7
54	9.1	7.4 11.2
68	4.2	3.6 5.4



#23
Nitrobenzene-d5
Concen: 88.105 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG042991.D
Acq: 2 Oct 2019 19:06

Tgt Ion: 82	Resp:	482281
Ion Ratio	Lower	Upper
82	100	
128	40.9	29.5 44.3
54	55.8	44.6 67.0





#35

Caprolactam

Concen: 9.342 ng

RT: 11.77 min Scan# 1478

Delta R.T. -0.05 min

Lab File: BG042991.D

Acq: 2 Oct 2019 19:06

Instrument :

BNA_G

ClientSampleId :

MW-106I

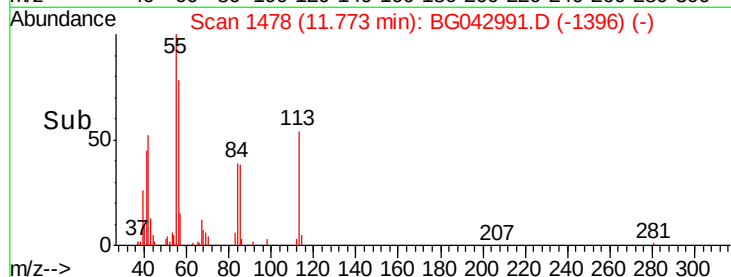
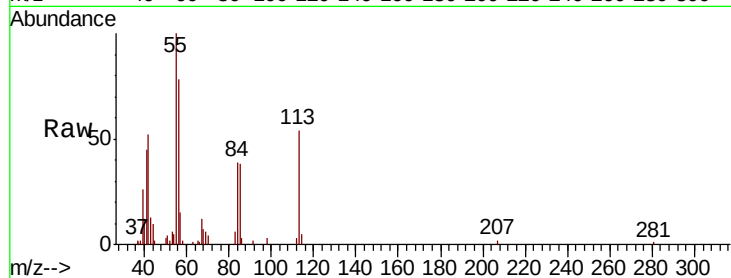
Tot Ion:113 Resp: 13986

Ion Ratio Lower Upper

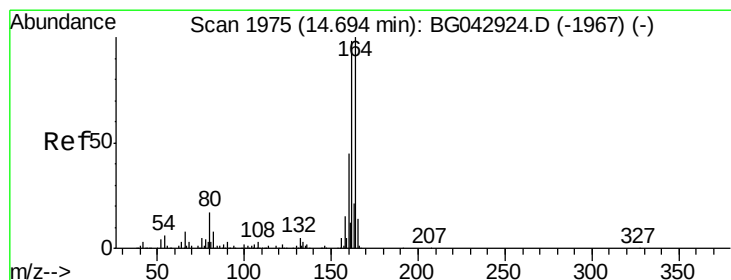
113 100

55 186.5 175.5 215.5

56 146.0 142.3 182.3



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG042991.D

Acq: 2 Oct 2019 19:06

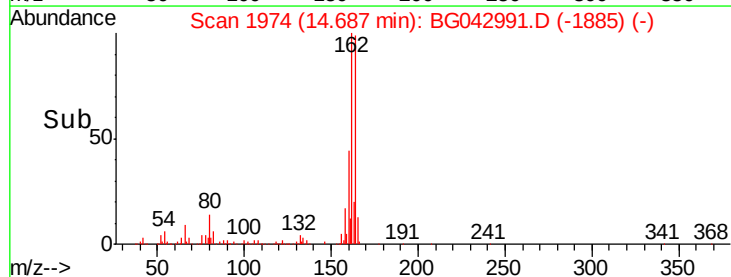
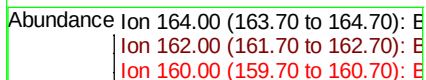
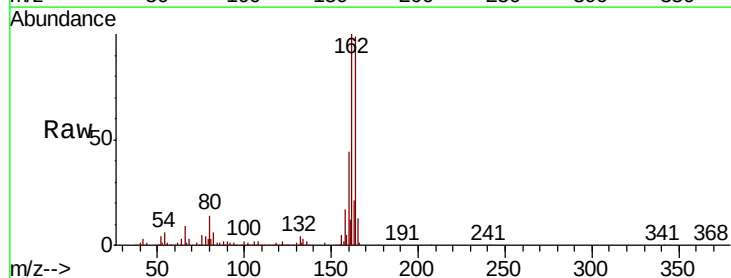
Tgt Ion:164 Resp: 191515

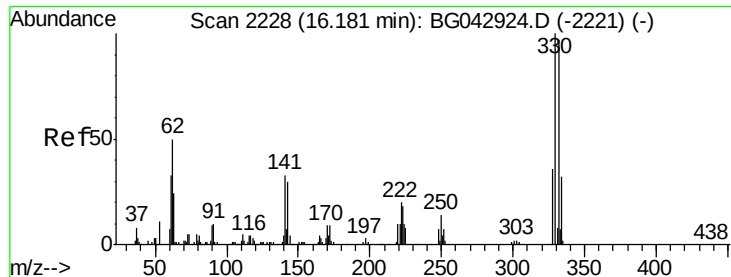
Ion Ratio Lower Upper

164 100

162 100.9 78.5 117.7

160 44.5 35.9 53.9

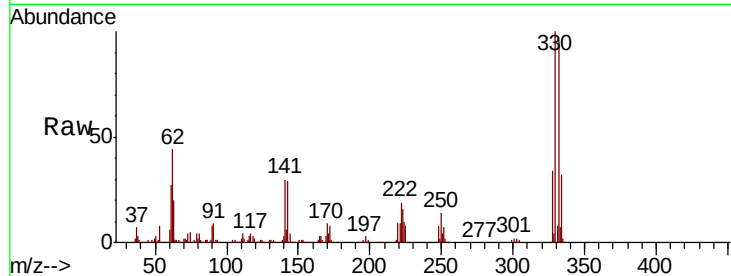




#42
 2,4,6-Tribromophenol
 Concen: 133.536 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG042991.D
 Acq: 2 Oct 2019 19:06

Instrument :
 BNA_G
 ClientSampleId :
 MW-106I

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.2	117.2
141	30.4	26.0	39.0

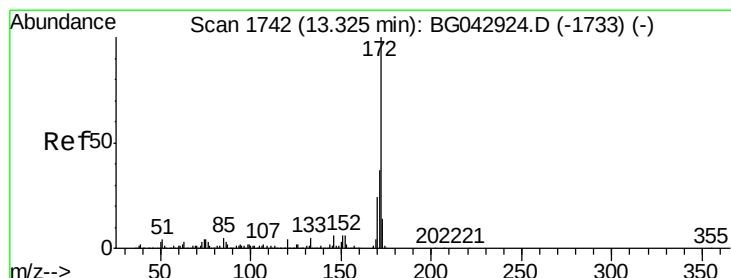
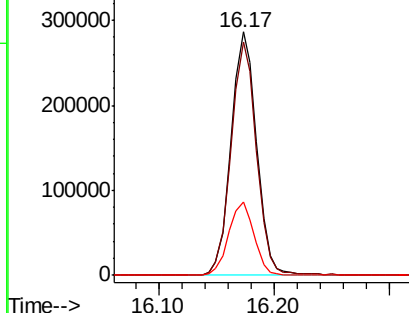
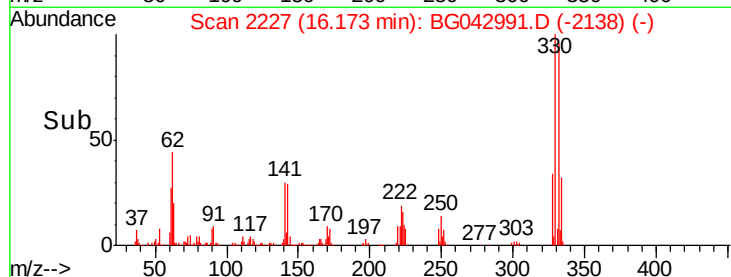


Abundance

Ion 329.80 (329.50 to 330.50): E

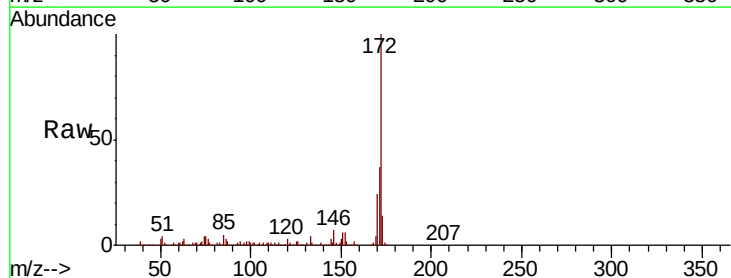
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.705 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG042991.D
 Acq: 2 Oct 2019 19:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.6	44.4
170	24.3	19.6	29.4

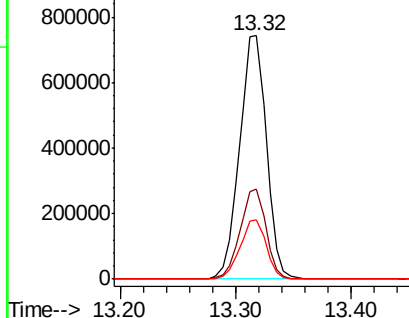
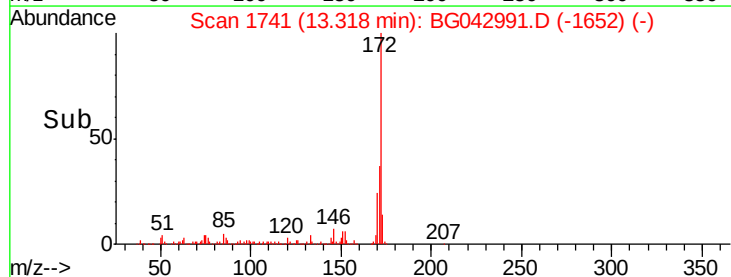


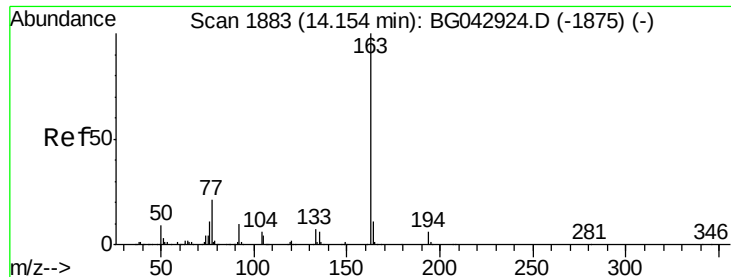
Abundance

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

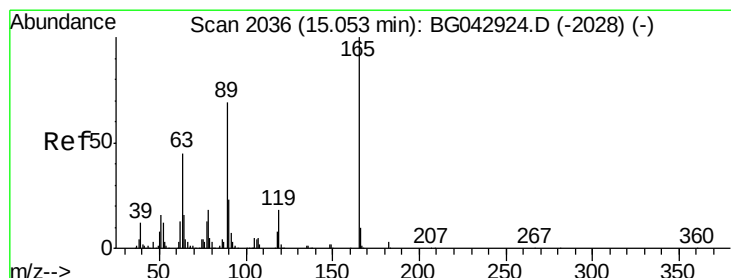
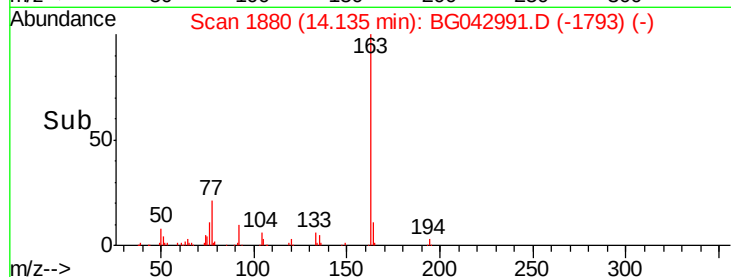
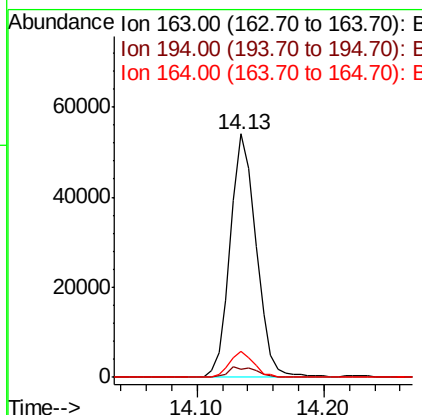
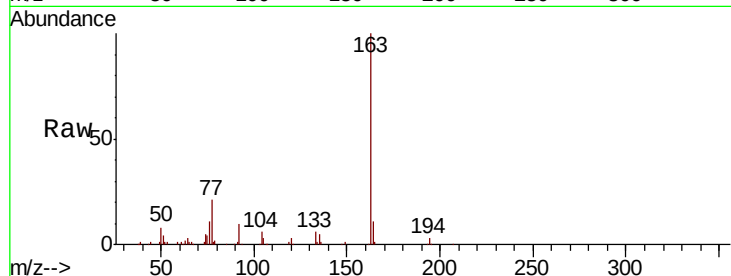




#50
Dimethylphthalate
Concen: 5.355 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.02 min
Lab File: BG042991.D
Acq: 2 Oct 2019 19:06

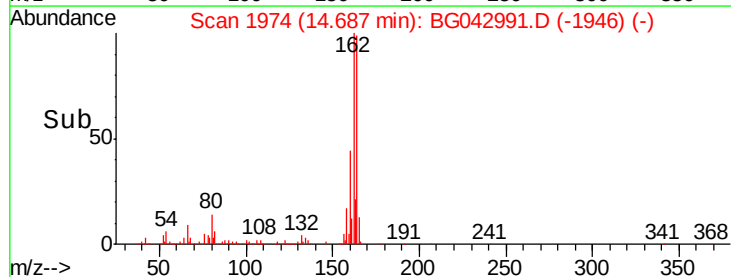
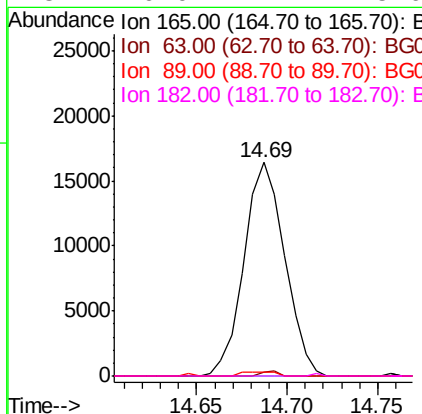
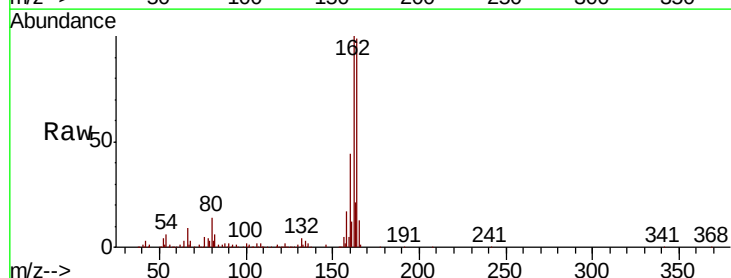
Instrument :
BNA_G
ClientSampleId :
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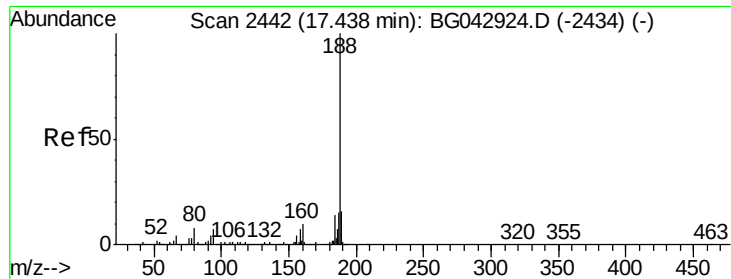
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	4.4	6.6#
164	10.8	8.6	12.8



#57
2,4-Dinitrotoluene
Concen: 5.738 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.37 min
Lab File: BG042991.D
Acq: 2 Oct 2019 19:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.5	54.7#
89	1.8	55.5	83.3#
182	0.0	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG042991.D

Acq: 2 Oct 2019 19:06

Instrument :

BNA_G

ClientSampleId :

MW-106I

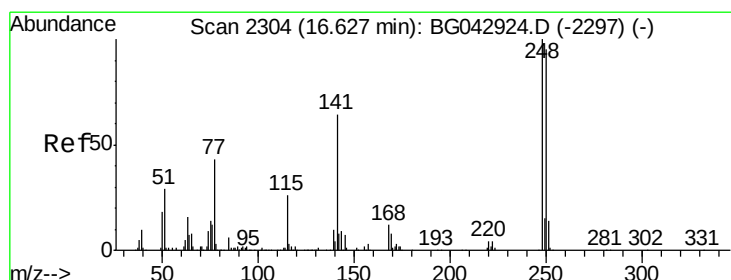
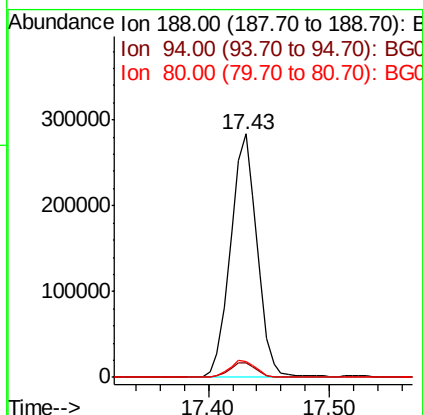
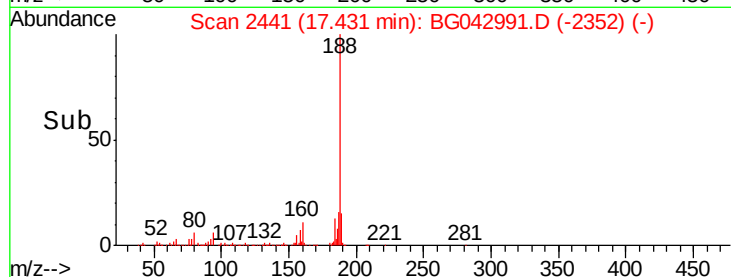
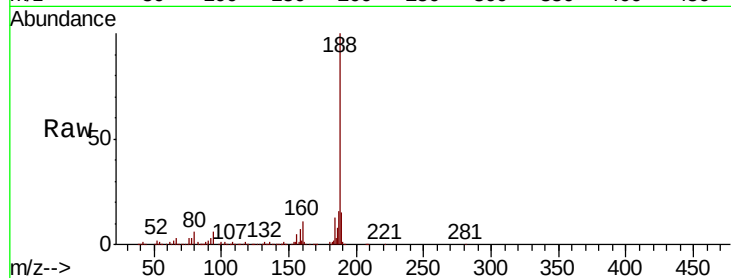
Tot Ion:188 Resp: 434985

Ion Ratio Lower Upper

188 100

94 5.7 5.7 8.5

80 6.4 6.5 9.7#



#67

4-Bromophenyl-phenylether

Concen: 5.561 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG042991.D

Acq: 2 Oct 2019 19:06

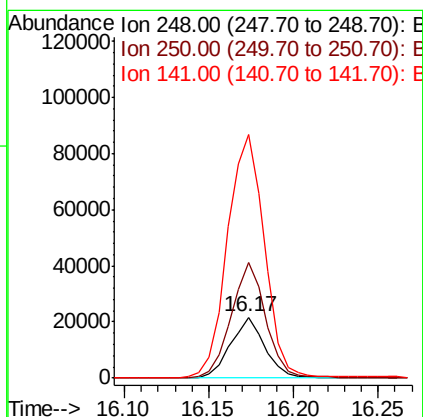
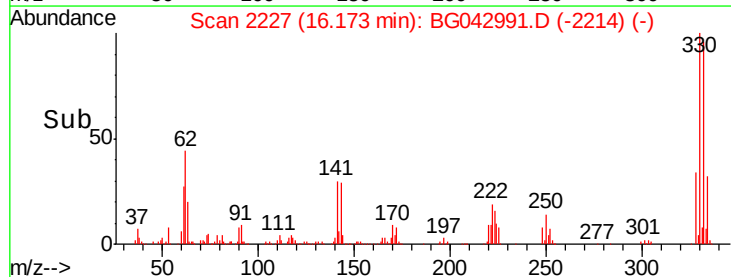
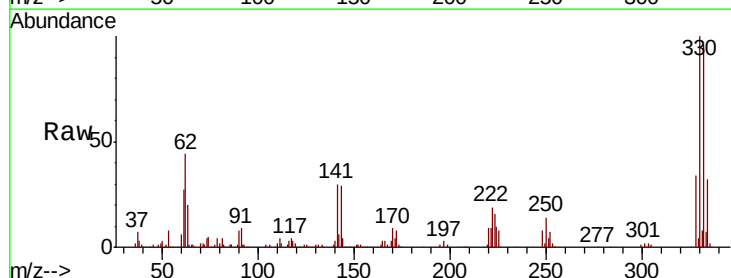
Tgt Ion:248 Resp: 30358

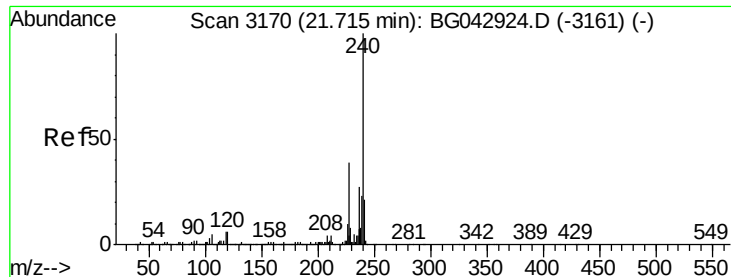
Ion Ratio Lower Upper

248 100

250 190.1 75.8 113.8#

141 401.2 51.1 76.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG042991.D

Acq: 2 Oct 2019 19:06

Instrument :

BNA_G

ClientSampleId :

MW-106I

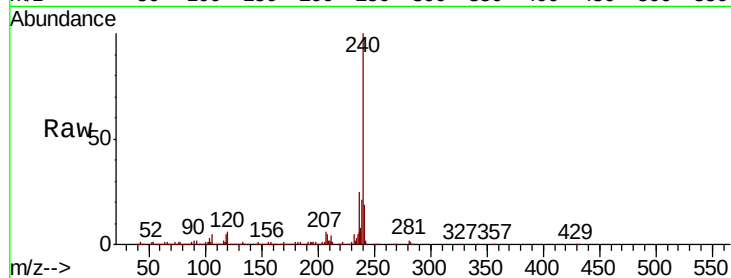
Tot Ion:240 Resp: 457457

Ion Ratio Lower Upper

240 100

120 6.0 4.8 7.2

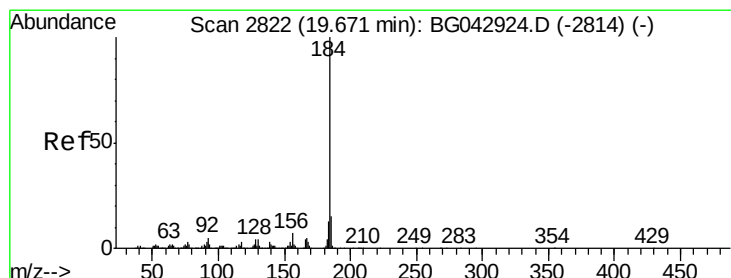
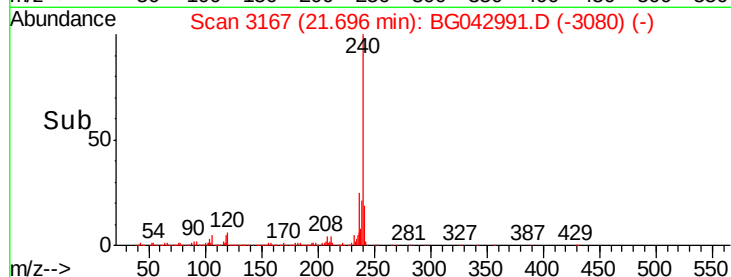
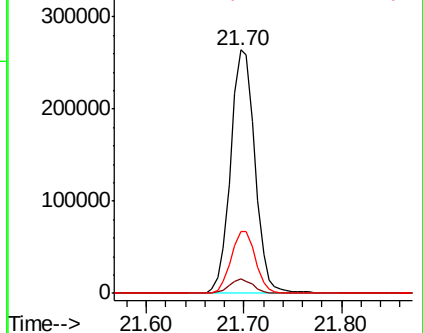
236 25.3 21.4 32.0



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: 3.058 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG042991.D

Acq: 2 Oct 2019 19:06

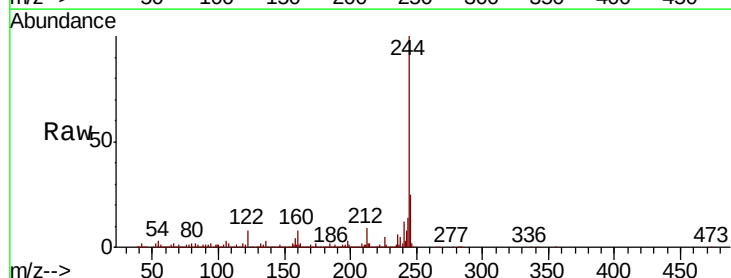
Tgt Ion:184 Resp: 35028

Ion Ratio Lower Upper

184 100

185 16.6 11.8 17.8

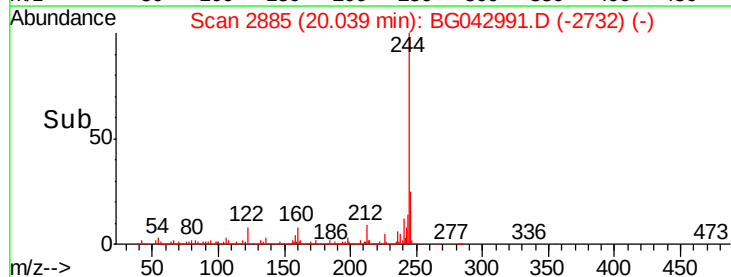
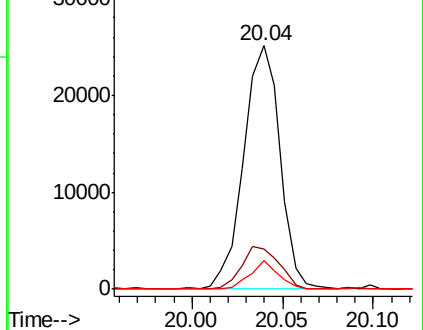
183 11.6 10.1 15.1

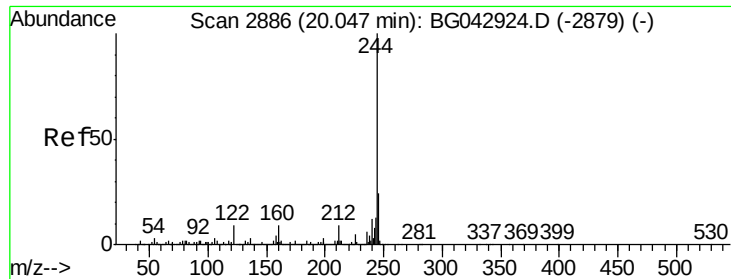


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 96.071 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG042991.D

Acq: 2 Oct 2019 19:06

Instrument :

BNA_G

ClientSampleId :

MW-106I

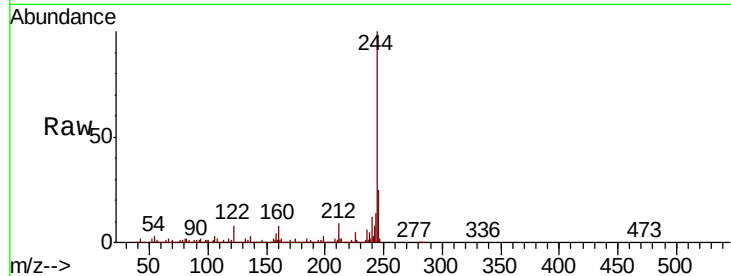
Tot Ion:244 Resp: 2062450

Ion Ratio Lower Upper

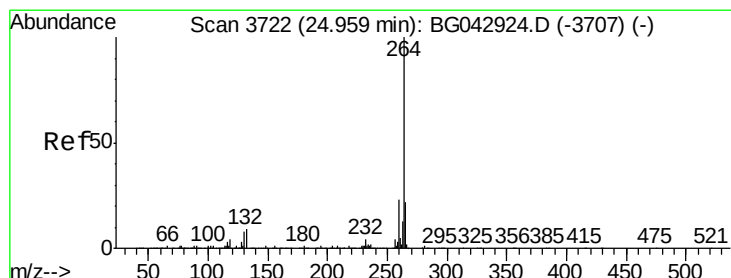
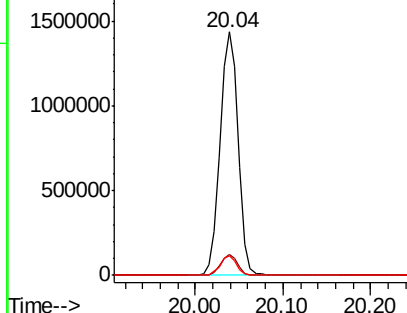
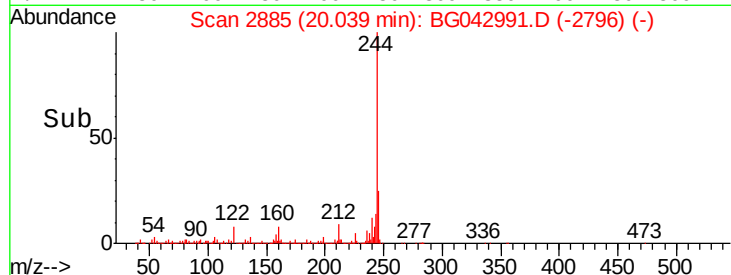
244 100

212 8.5 7.4 11.0

122 8.3 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: 24.92 min Scan# 3716

Delta R.T. -0.04 min

Lab File: BG042991.D

Acq: 2 Oct 2019 19:06

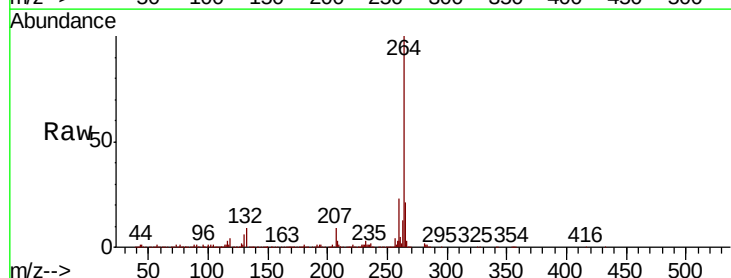
Tgt Ion:264 Resp: 526997

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 20.8 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

