

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120618\
 Data File : BG038387.D
 Acq On : 6 Dec 2018 17:53
 Operator : JU/SJ
 Sample : J6239-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 06 21:05:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

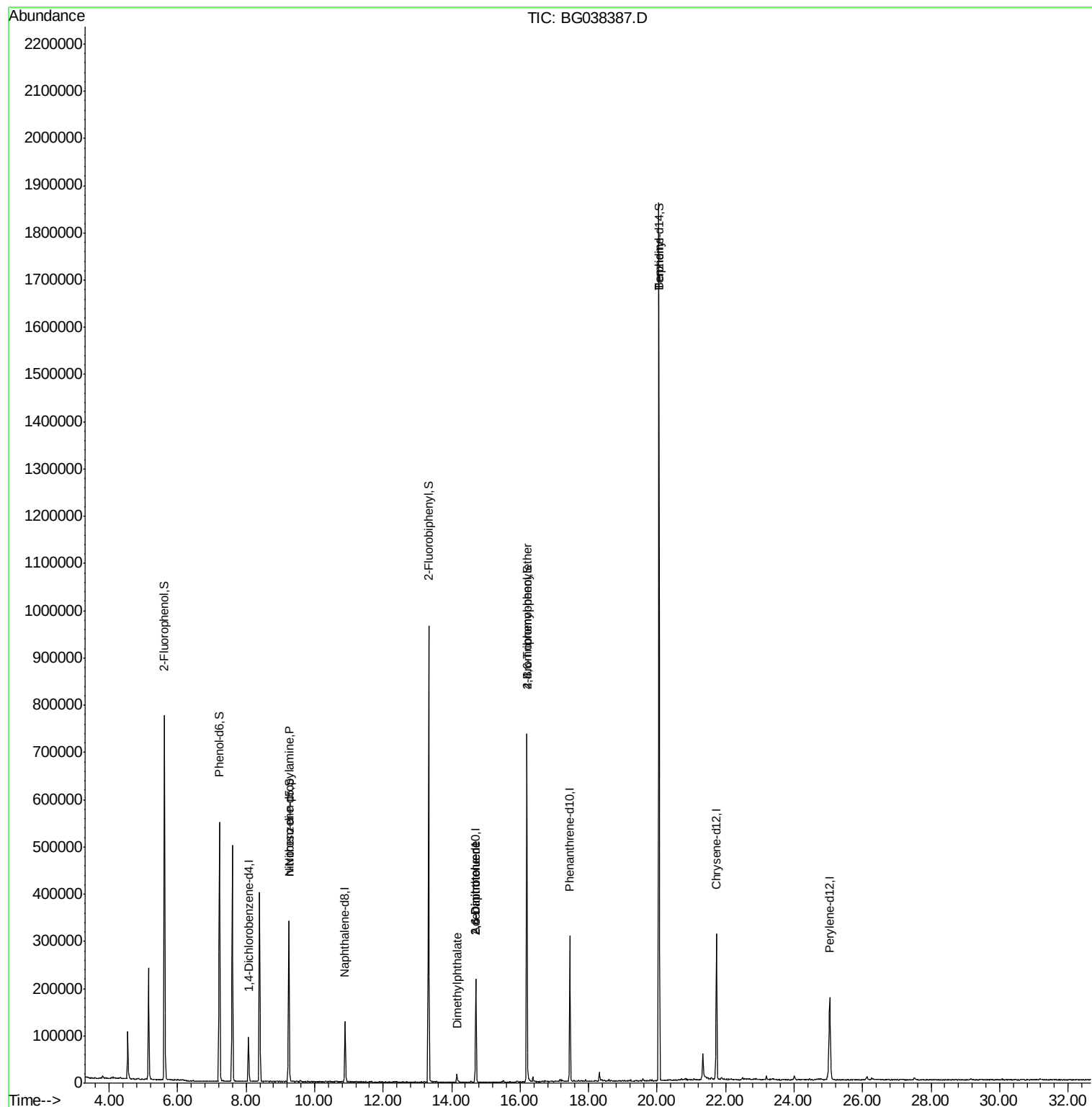
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	27354	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	116009	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	78342	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	199077	20.00	ng	0.00
76) Chrysene-d12	21.73	240	194757	20.00	ng	0.00
87) Perylene-d12	25.04	264	203154	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	373264	241.48	ng	0.00
7) Phenol-d6	7.22	99	318856	142.72	ng	0.00
23) Nitrobenzene-d5	9.25	82	212599	90.99	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	135888	141.29	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	517696	94.16	ng	0.00
79) Terphenyl-d14	20.05	244	909266	100.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	28057	15.915	ng	Qvalue # 72
50) Dimethylphthalate	14.15	163	15583	2.480	ng	# 99
51) 2,6-Dinitrotoluene	14.71	165	10111	7.044	ng	# 26
57) 2,4-Dinitrotoluene	14.71	165	10111	5.107	ng	# 25
67) 4-Bromophenyl-phenylether	16.19	248	9587	4.459	ng	# 1
77) Benzidine	20.05	184	16120	2.453	ng	# 93

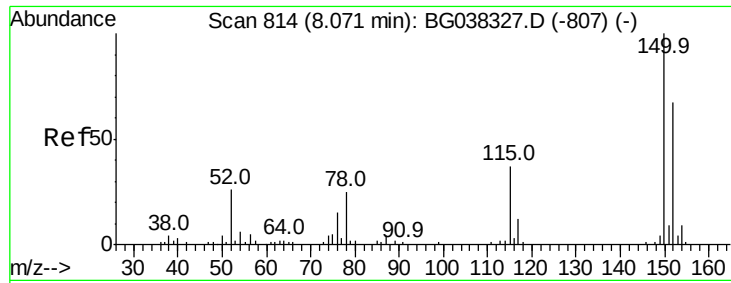
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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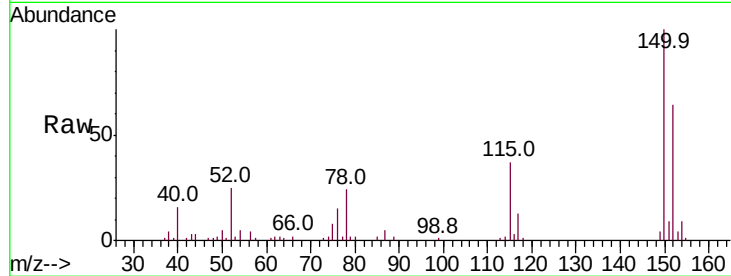


#1

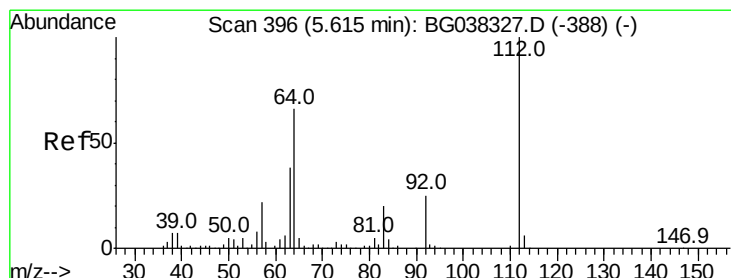
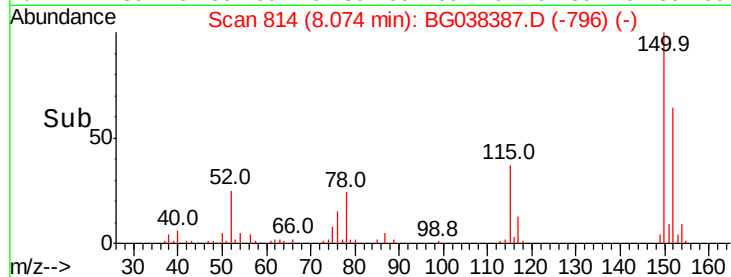
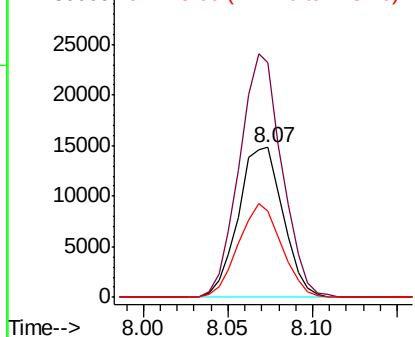
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG038387.D
Acq: 6 Dec 2018 17:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27354
Ion Ratio Lower Upper
152 100
150 156.1 126.0 189.0
115 57.5 45.5 68.3



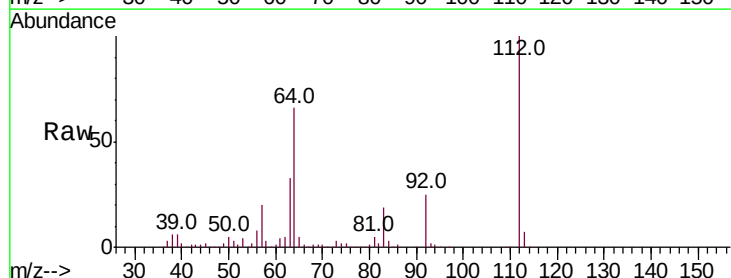
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



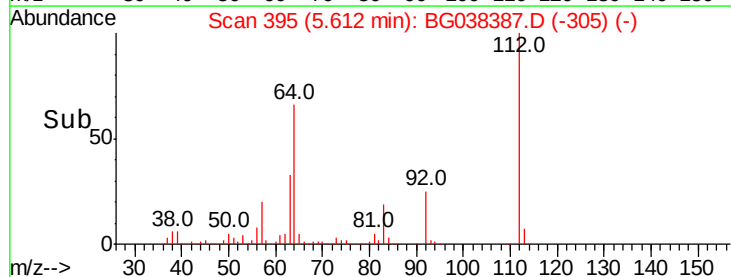
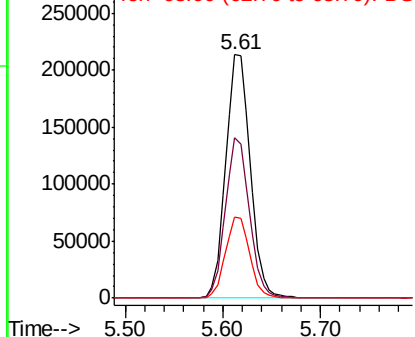
#5

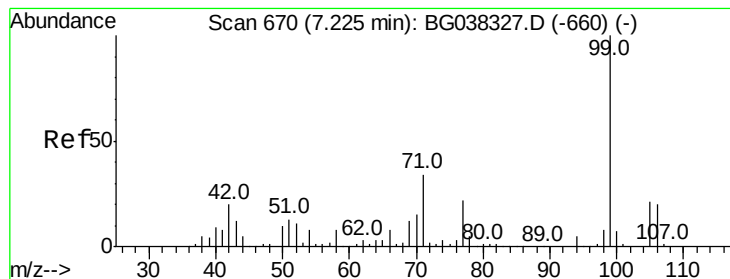
2-Fluorophenol
Concen: 241.480 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG038387.D
Acq: 6 Dec 2018 17:53

Tgt Ion:112 Resp: 373264
Ion Ratio Lower Upper
112 100
64 65.9 53.1 79.7
63 33.0 27.3 40.9



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: 142.722 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG038387.D

Acq: 6 Dec 2018 17:53

Instrument :

BNA_G

ClientSampleId :

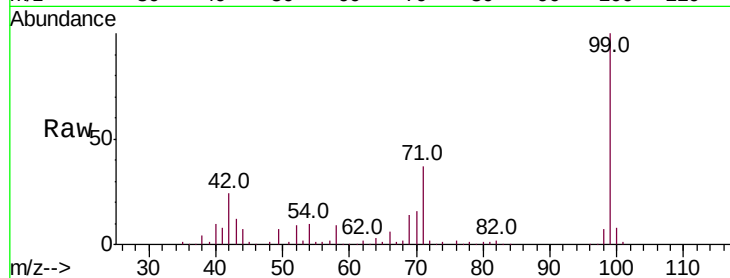
Tot Ion: 99 Resp: 31856

Ion Ratio Lower Upper

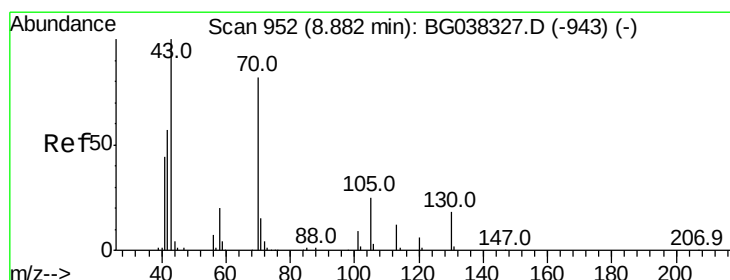
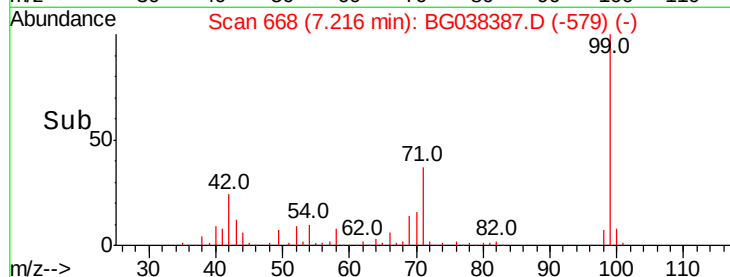
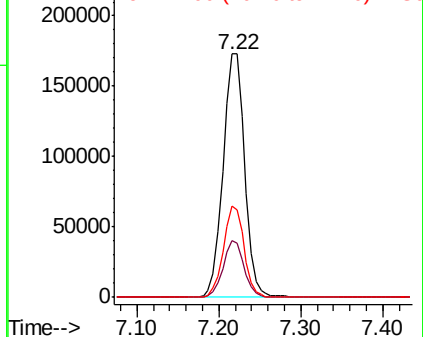
99 100

42 23.5 15.0 22.4#

71 37.3 25.5 38.3



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: 15.915 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038387.D

Acq: 6 Dec 2018 17:53

Tgt Ion: 70 Resp: 28057

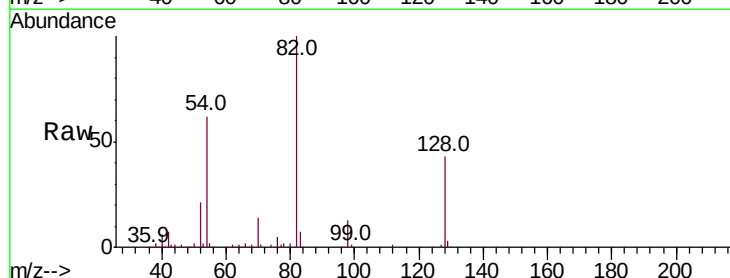
Ion Ratio Lower Upper

70 100

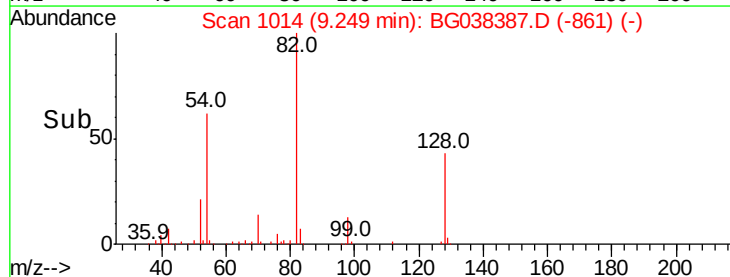
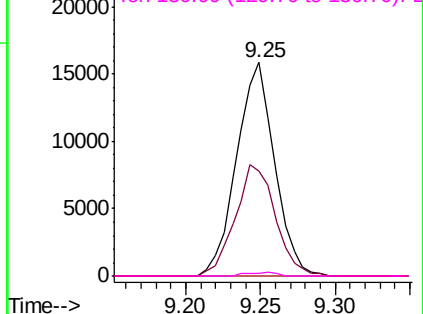
42 49.3 53.9 80.9#

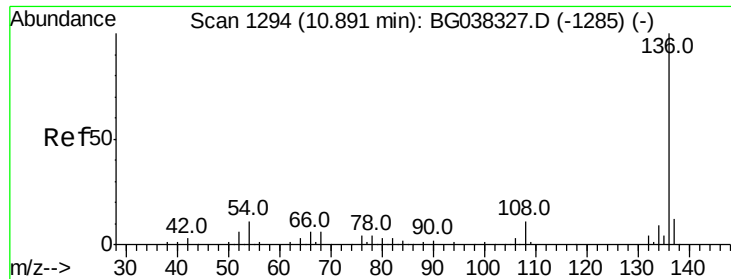
101 0.0 8.2 12.2#

130 1.3 18.2 27.4#



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

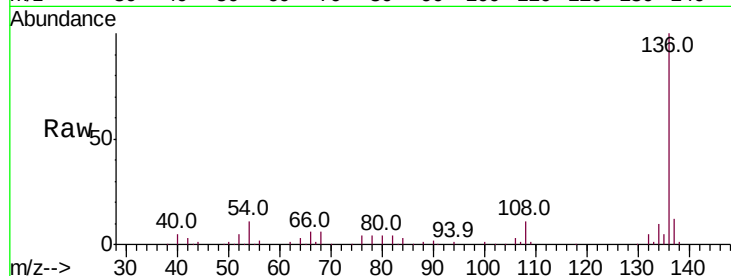




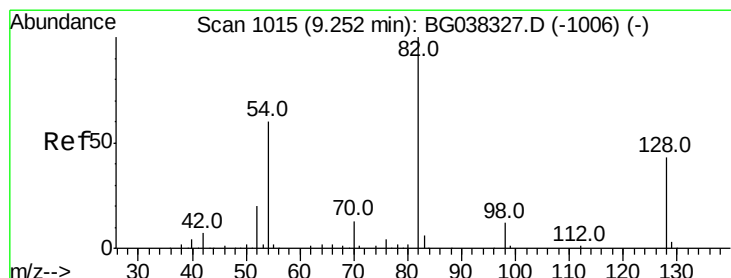
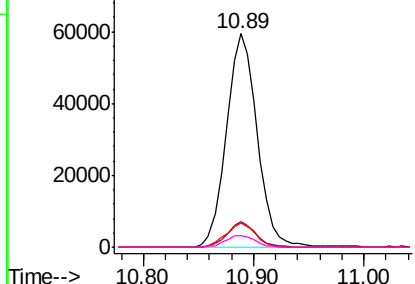
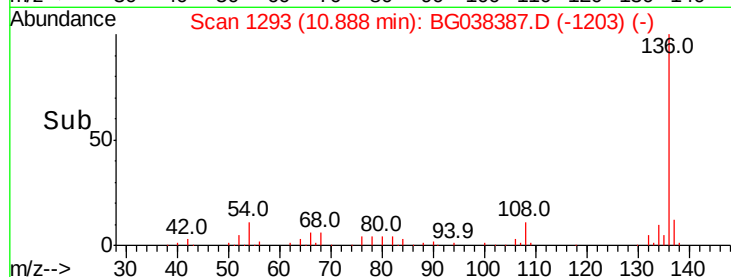
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BG038387.D
Acq: 6 Dec 2018 17:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	116009
Ion	Ratio	Lower Upper
136	100	
137	12.1	9.6 14.4
54	11.4	7.9 11.9
68	5.6	4.8 7.2

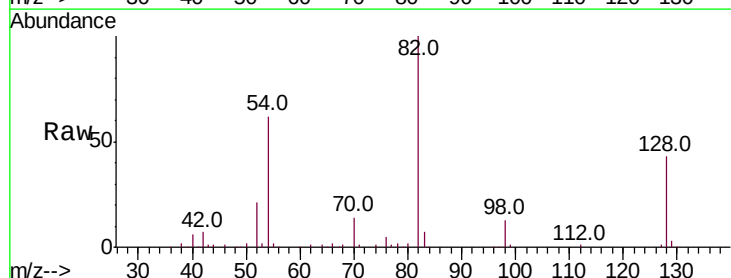


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

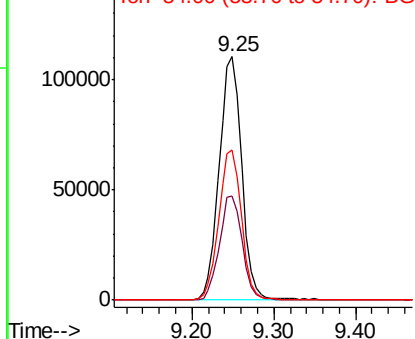
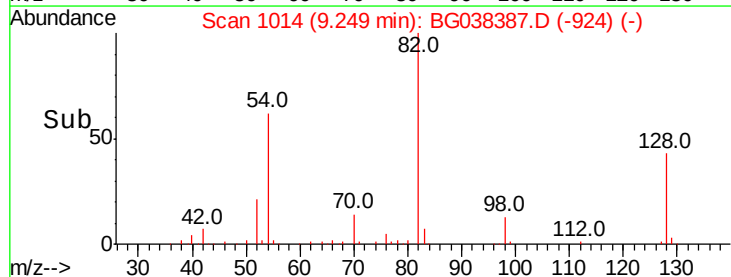


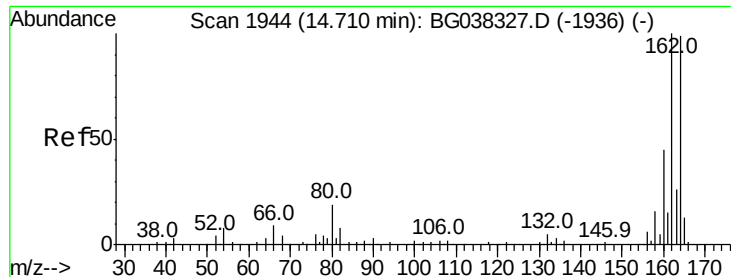
#23
Nitrobenzene-d5
Concen: 90.985 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BG038387.D
Acq: 6 Dec 2018 17:53

Tgt Ion: 82	Resp:	212599
Ion	Ratio	Lower Upper
82	100	
128	42.6	34.6 51.8
54	61.8	45.3 67.9



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1943

Delta R.T. -0.00 min

Lab File: BG038387.D

Acq: 6 Dec 2018 17:53

Instrument :

BNA_G

ClientSampleId :

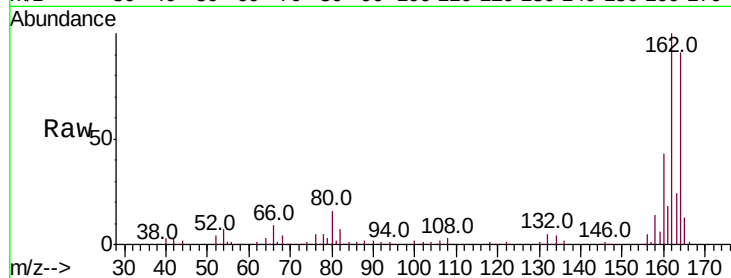
Tot Ion:164 Resp: 78342

Ion Ratio Lower Upper

164 100

162 109.9 81.3 121.9

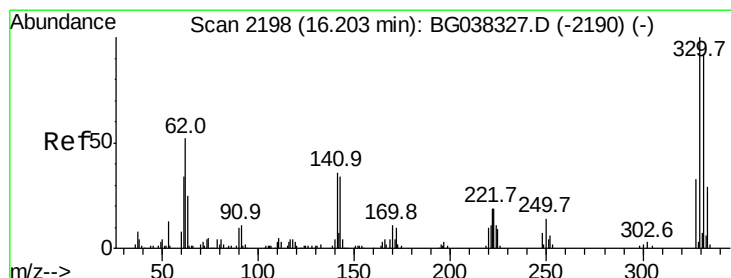
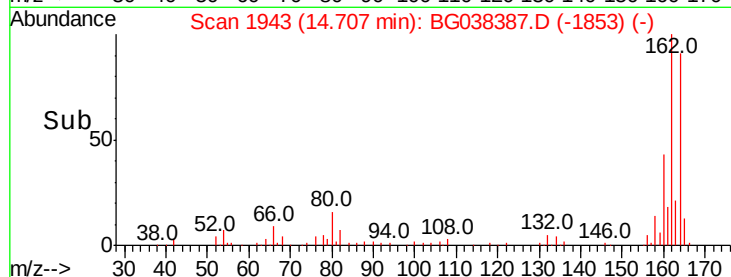
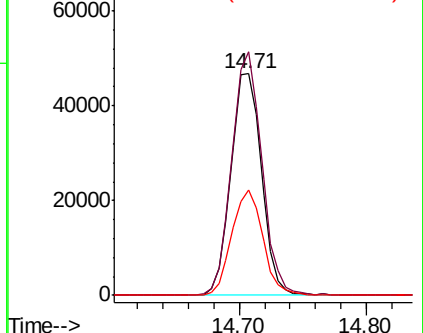
160 47.5 36.3 54.5



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: 141.293 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG038387.D

Acq: 6 Dec 2018 17:53

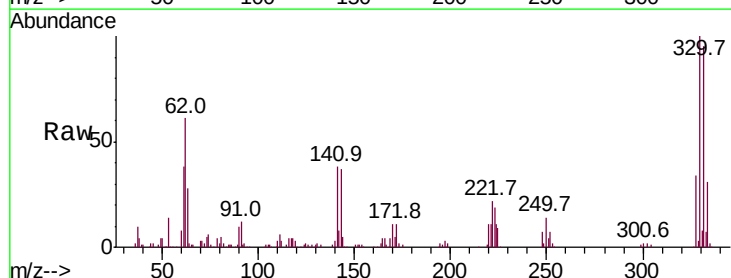
Tgt Ion:330 Resp: 135888

Ion Ratio Lower Upper

330 100

332 96.3 78.4 117.6

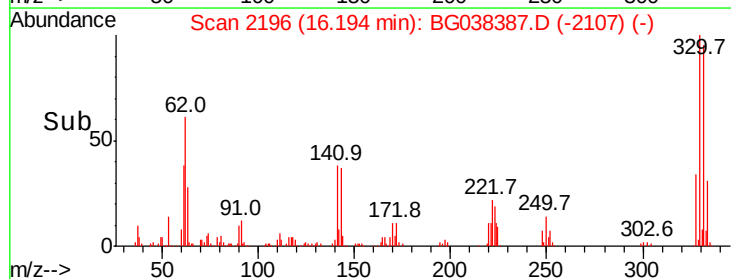
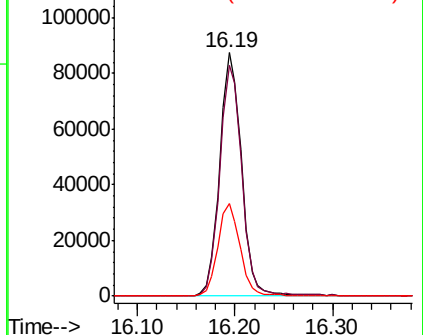
141 38.4 32.2 48.2

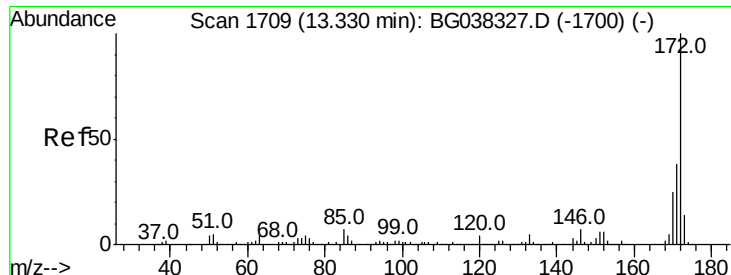


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



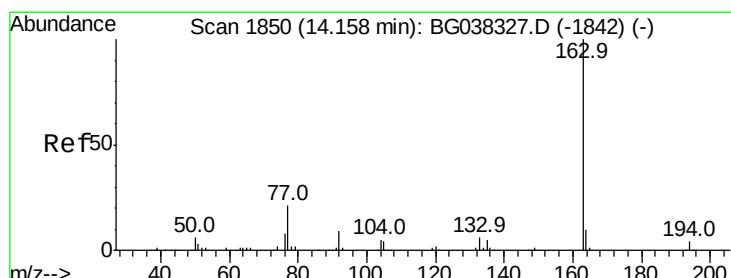
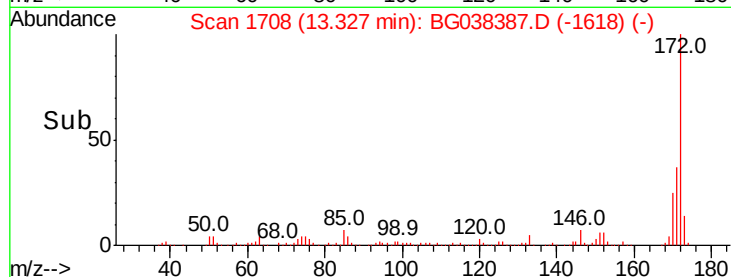
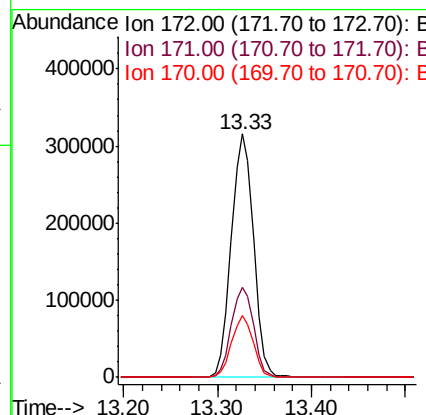
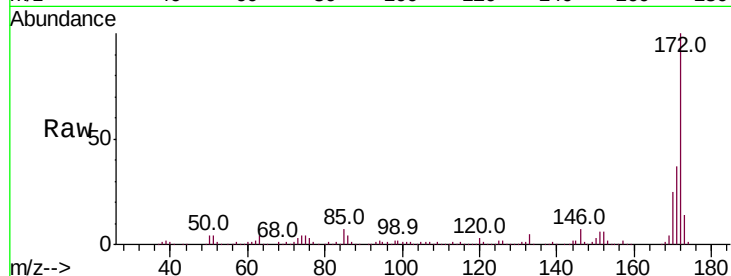


#45
 2-Fluorobiphenyl
 Concen: 94.160 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG038387.D
 Acq: 6 Dec 2018 17:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 517696

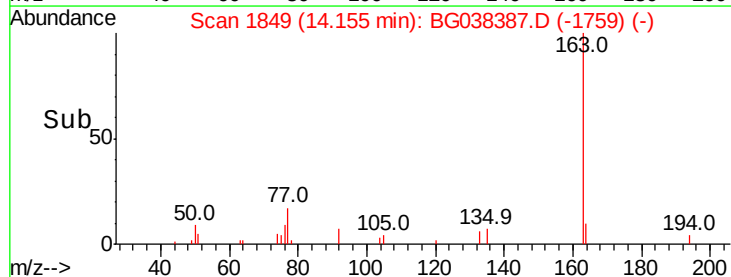
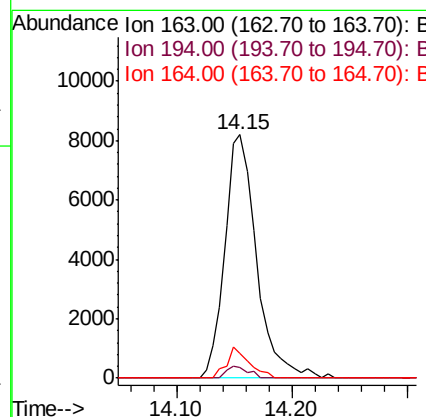
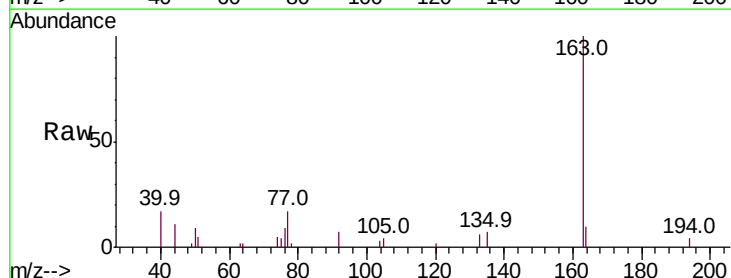
Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.0	46.4
170	25.3	20.2	30.2

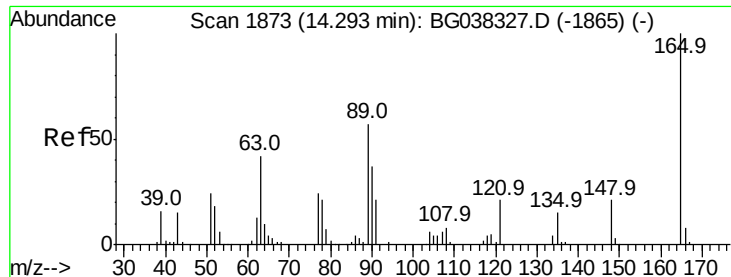


#50
 Dimethylphthalate
 Concen: 2.480 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG038387.D
 Acq: 6 Dec 2018 17:53

Tgt Ion:163 Resp: 15583

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.0	8.5	12.7





#51

2,6-Dinitrotoluene

Concen: 7.044 ng

RT: 14.71 min Scan# 1943

Delta R.T. 0.41 min

Lab File: BG038387.D

Acq: 6 Dec 2018 17:53

Instrument :

BNA_G

ClientSampleId :

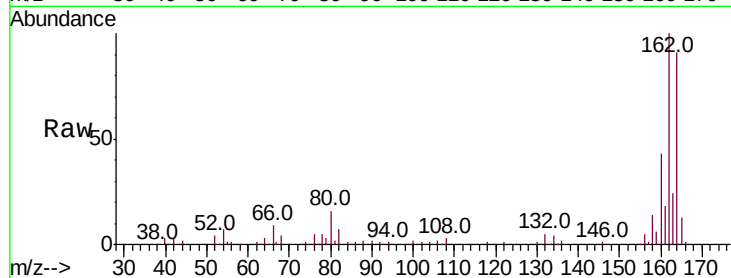
Tot Ion:165 Resp: 10111

Ion Ratio Lower Upper

165 100

63 3.2 43.4 65.2#

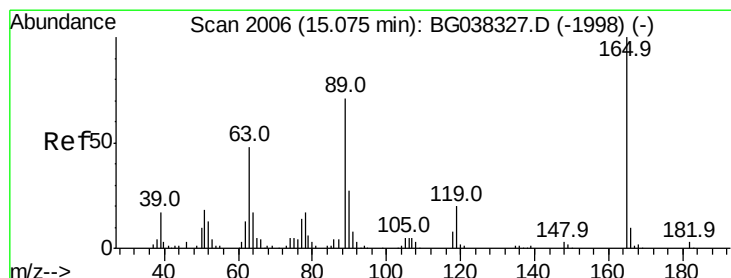
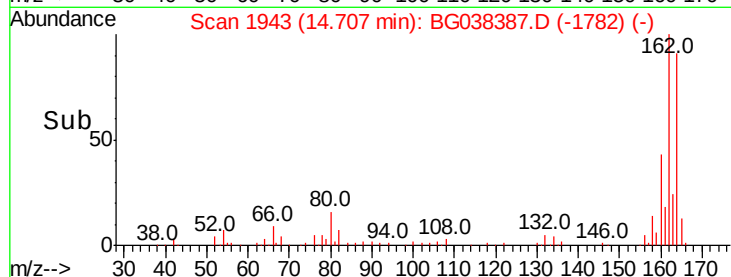
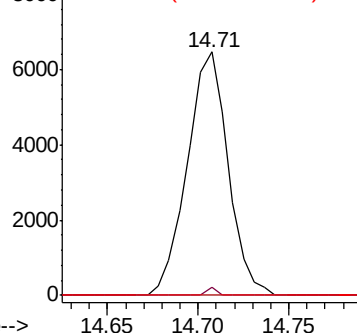
89 0.0 45.8 68.6#



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



#57

2,4-Dinitrotoluene

Concen: 5.107 ng

RT: 14.71 min Scan# 1943

Delta R.T. -0.37 min

Lab File: BG038387.D

Acq: 6 Dec 2018 17:53

Tgt Ion:165 Resp: 10111

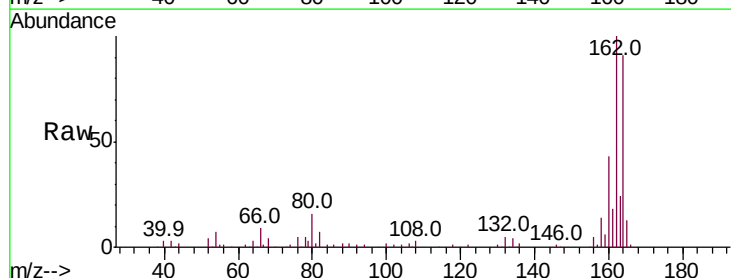
Ion Ratio Lower Upper

165 100

63 3.2 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

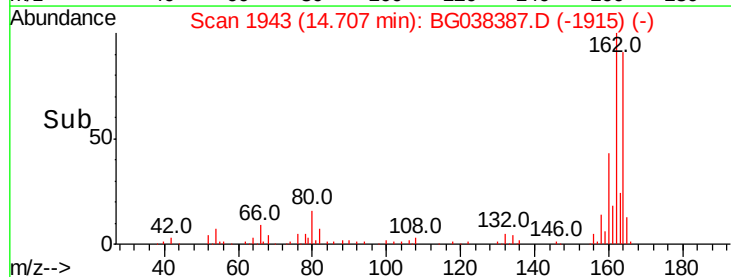
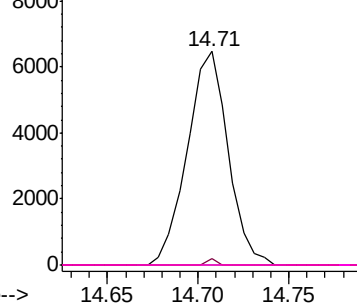


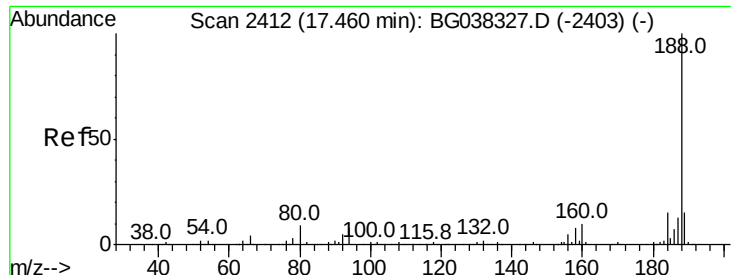
Abundance Ion 165.00 (164.70 to 165.70): E

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

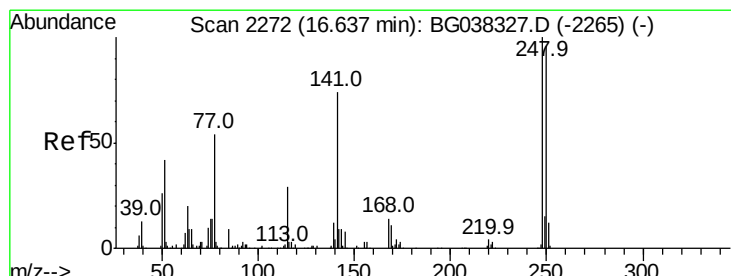
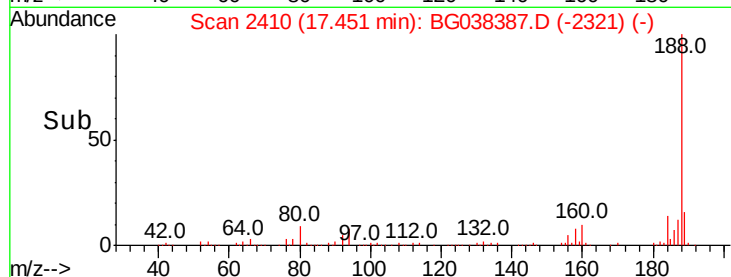
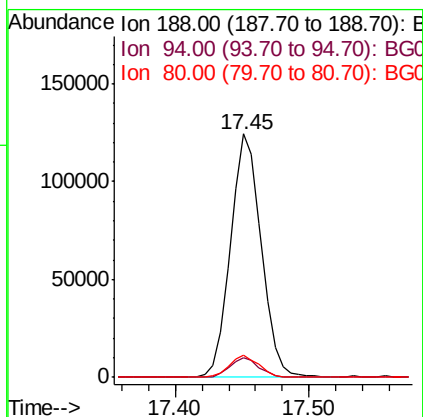
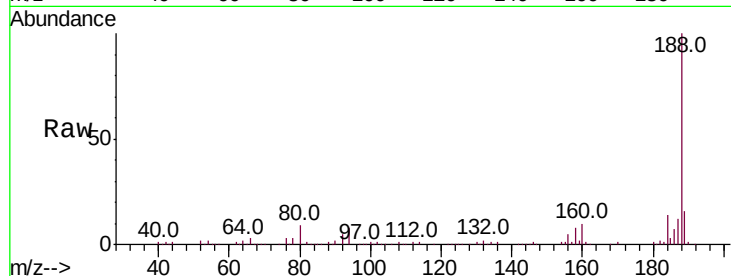




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BG038387.D
 Acq: 6 Dec 2018 17:53

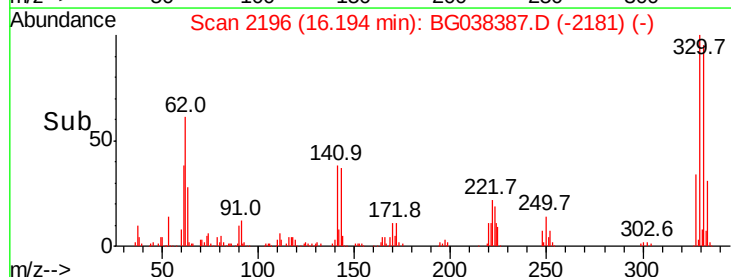
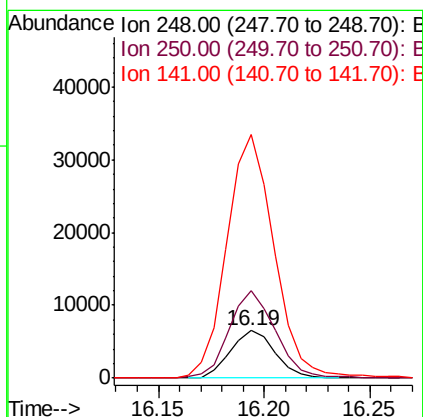
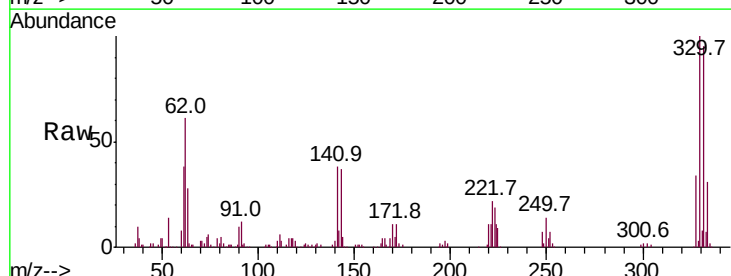
Instrument :
 BNA_G
 ClientSampleId :

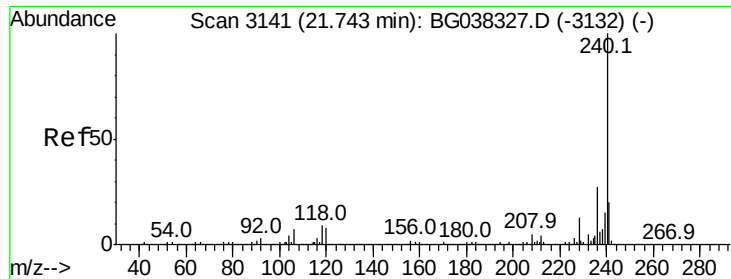
Tot Ion:188 Resp: 199077
 Ion Ratio Lower Upper
 188 100
 94 8.2 7.2 10.8
 80 9.3 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 4.459 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.44 min
 Lab File: BG038387.D
 Acq: 6 Dec 2018 17:53

Tgt Ion:248 Resp: 9587
 Ion Ratio Lower Upper
 248 100
 250 145.0 77.0 115.6#
 141 404.7 55.5 83.3#

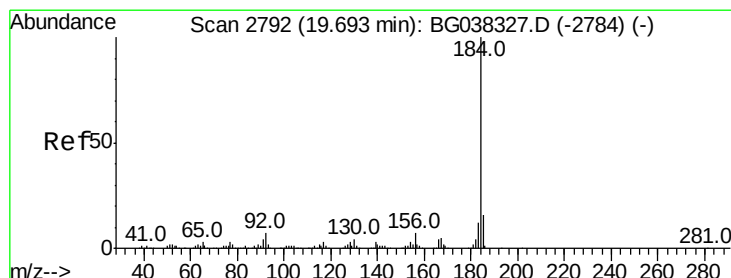
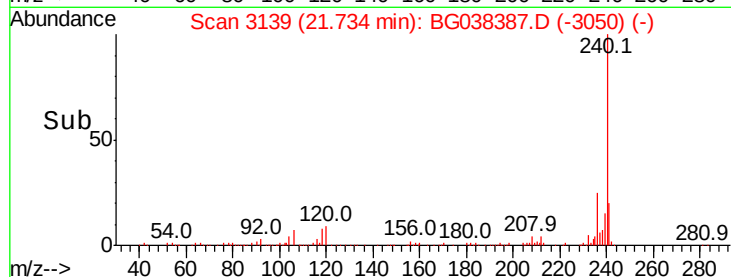
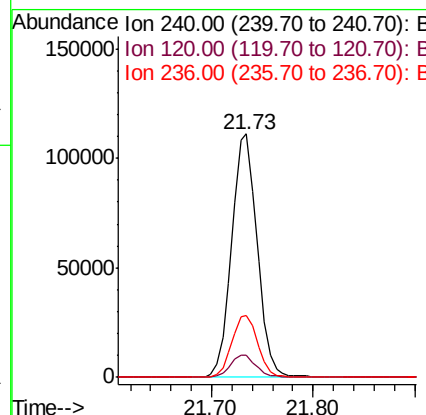
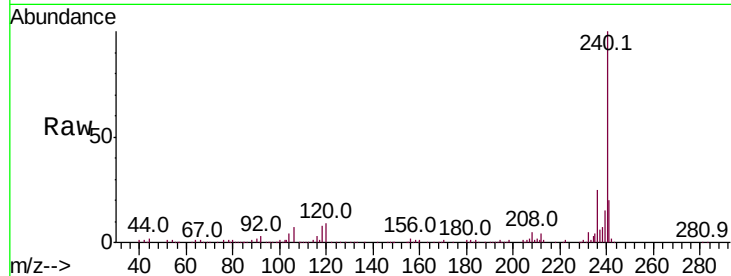




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038387.D
Acq: 6 Dec 2018 17:53

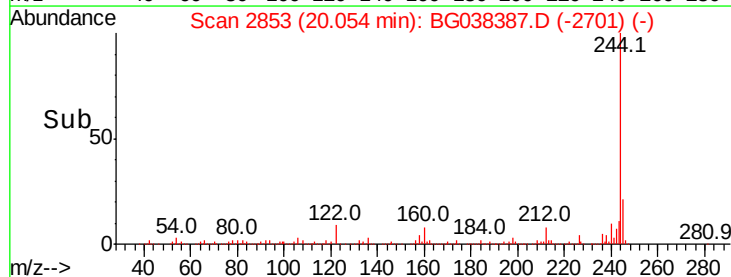
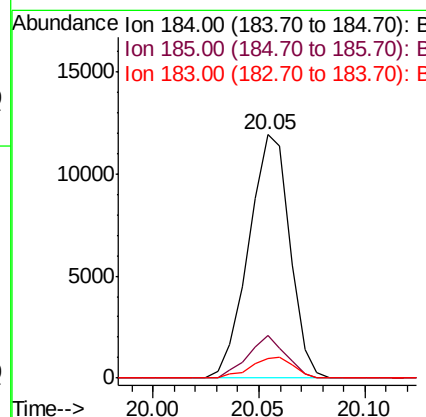
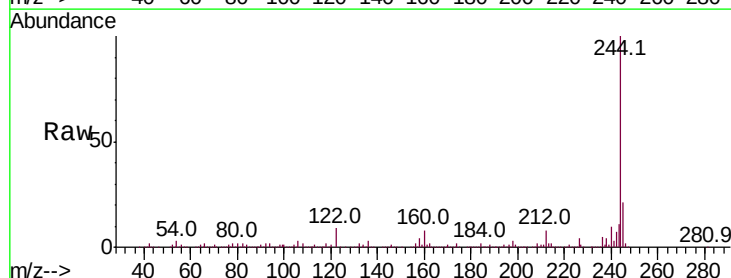
Instrument :
BNA_G
ClientSampled :

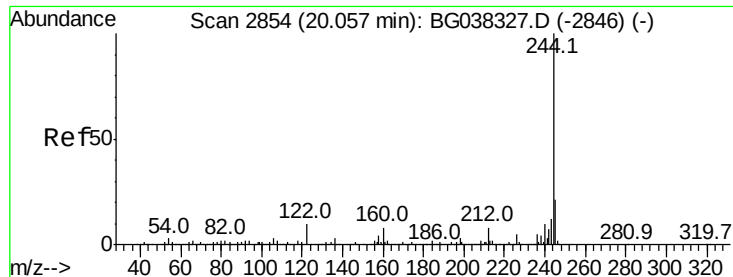
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.1	12.1
236	25.5	21.4	32.0



#77
Benzidine
Concen: 2.453 ng
RT: 20.05 min Scan# 2853
Delta R.T. 0.36 min
Lab File: BG038387.D
Acq: 6 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.3	12.6	18.8
183	8.0	10.2	15.2#





#79

Terphenyl-d14

Concen: 100.016 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038387.D

Acq: 6 Dec 2018 17:53

Instrument :

BNA_G

ClientSampleId :

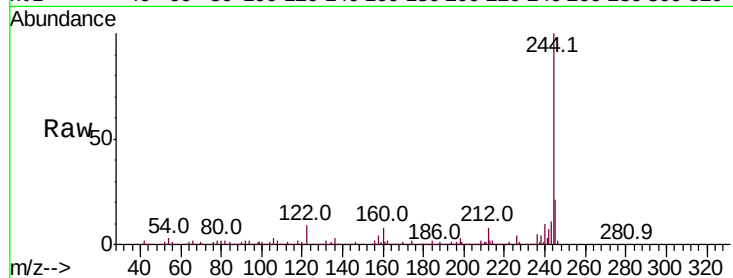
Tot Ion:244 Resp: 909266

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

122 9.0 9.0 13.4

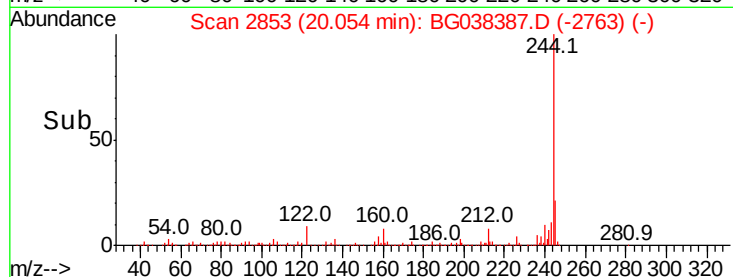


Abundance Ion 244.00 (243.70 to 244.70): E

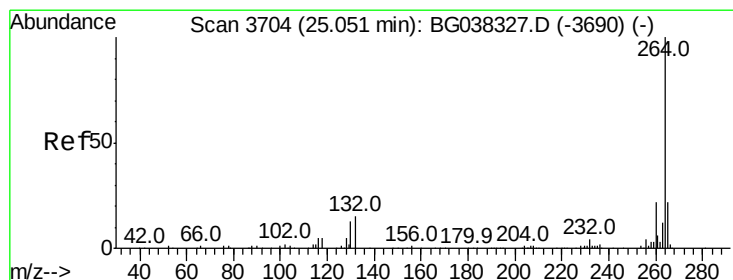
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.05



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG038387.D

Acq: 6 Dec 2018 17:53

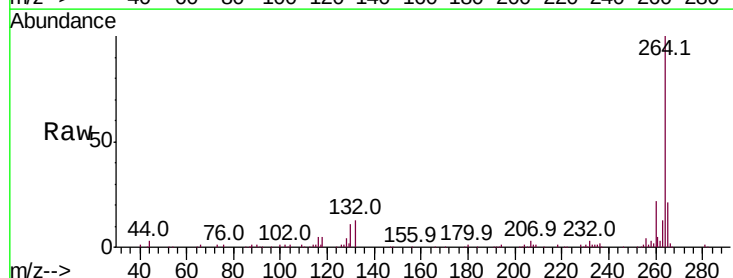
Tgt Ion:264 Resp: 203154

Ion Ratio Lower Upper

264 100

260 22.0 18.2 27.4

265 21.2 17.9 26.9

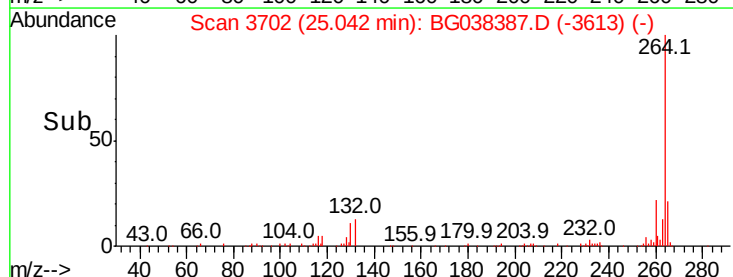


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

25.04



Time-->