

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042652.D
 Acq On : 1 Sep 2019 4:04
 Operator : HP/JU
 Sample : K4546-29
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 05:13:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

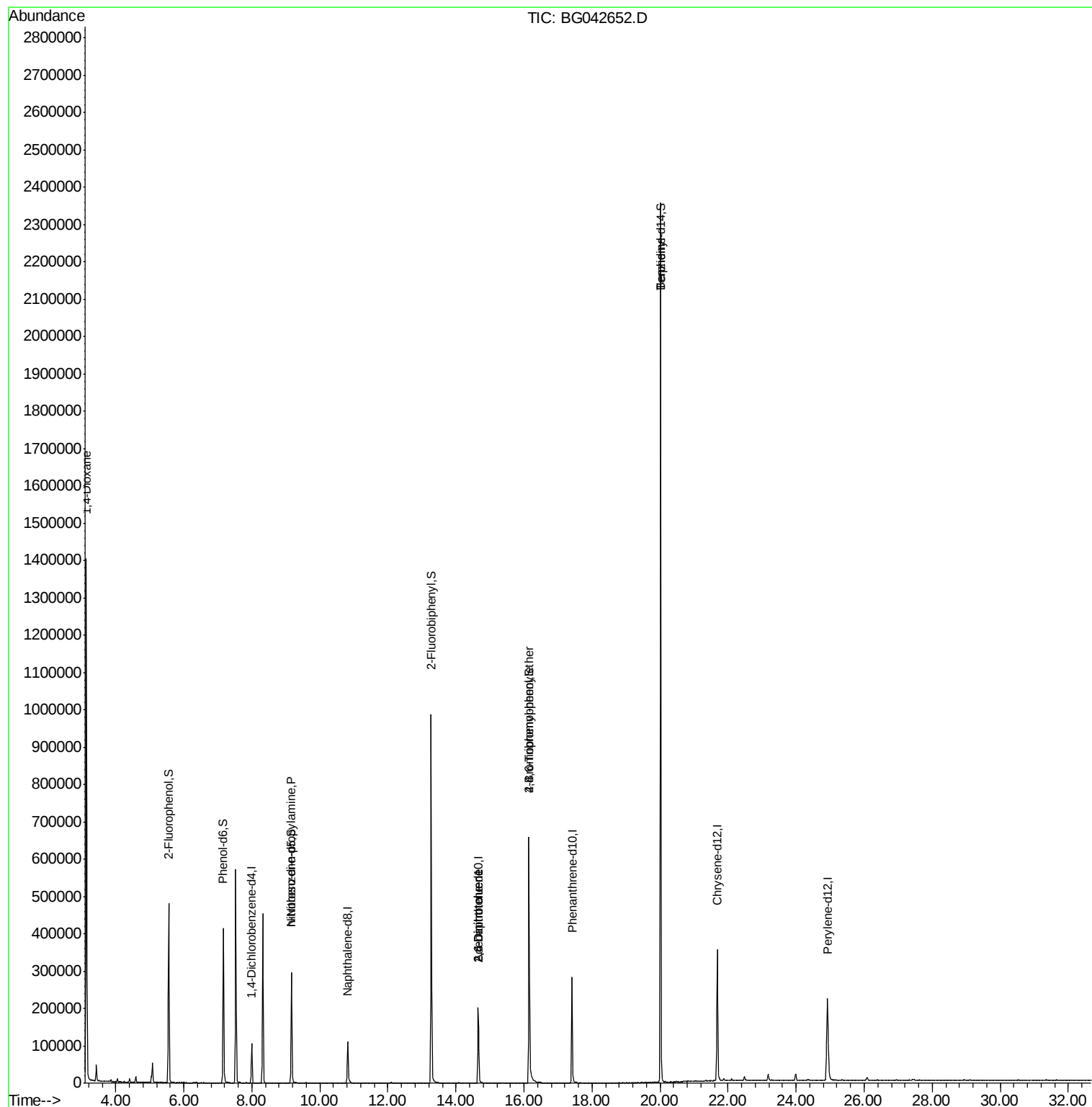
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	36383	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	130425	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	95995	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	224492	20.00	ng	0.00
76) Chrysene-d12	21.68	240	257507	20.00	ng	-0.01
87) Perylene-d12	24.92	264	292912	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	235234	130.95	ng	0.00
7) Phenol-d6	7.16	99	278597	114.81	ng	0.00
23) Nitrobenzene-d5	9.17	82	199045	105.46	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	196007	143.66	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	613884	108.16	ng	0.00
79) Terphenyl-d14	20.02	244	1243323	104.38	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	15459	20.621	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	25436	16.180	ng	# 77
51) 2,6-Dinitrotoluene	14.65	165	11886	7.403	ng	# 36
57) 2,4-Dinitrotoluene	14.65	165	11886	5.170	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13037	4.578	ng	# 1
77) Benzidine	20.02	184	15494	2.099	ng	96

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

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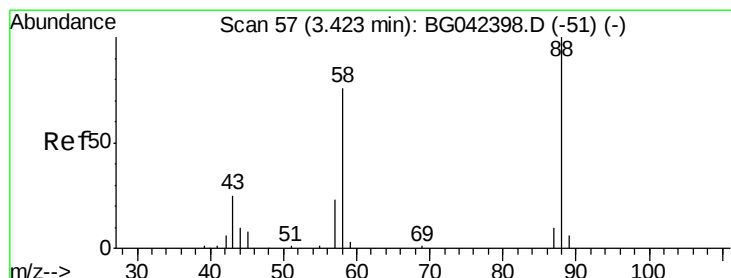
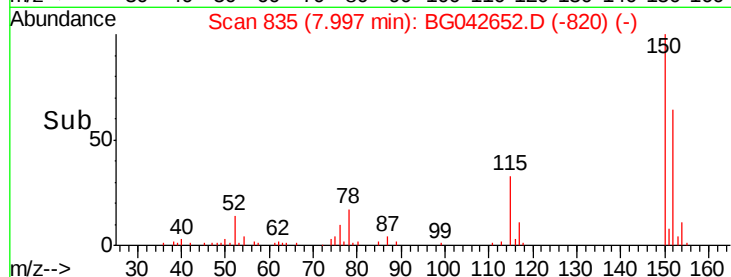
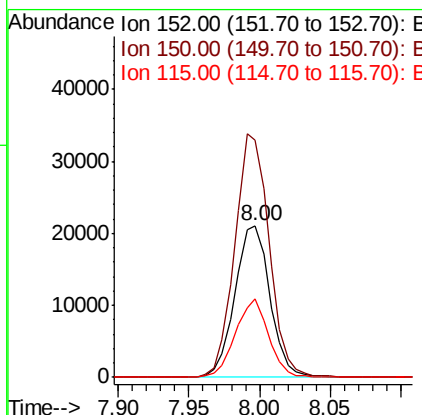
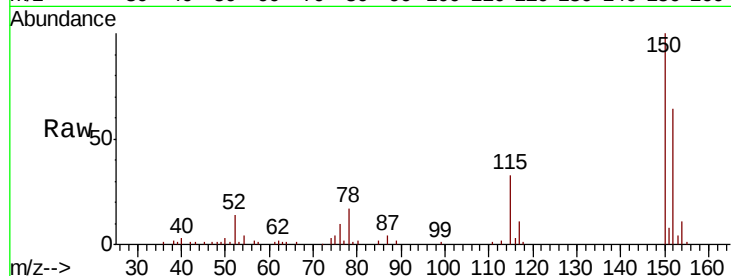




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BG042652.D
 Acq: 1 Sep 2019 4:04

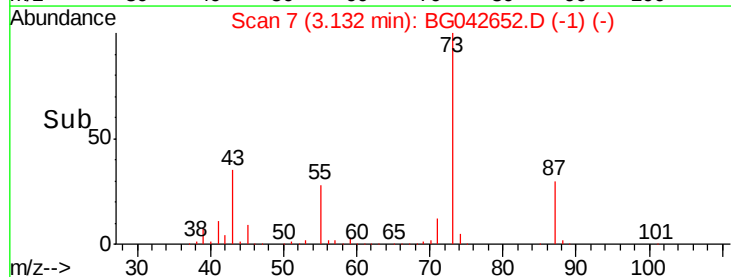
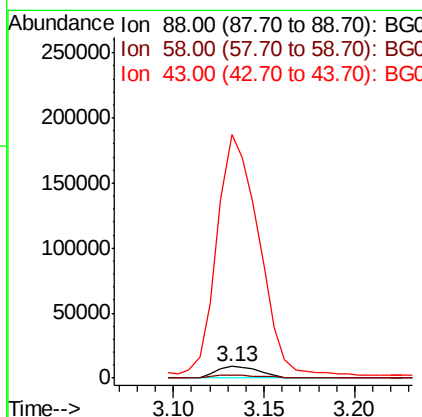
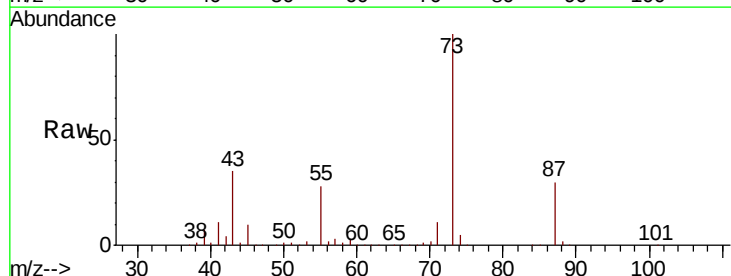
Instrument :
 BNA_G
 ClientSampleId :

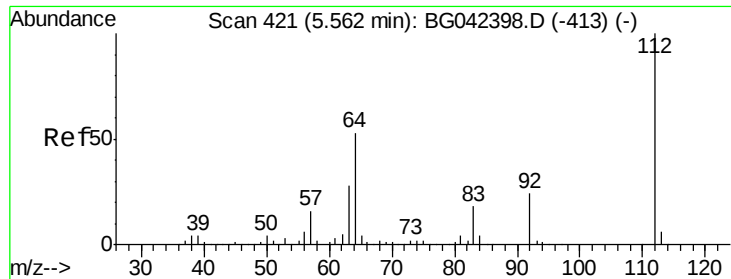
Tot Ion:152 Resp: 36383
 Ion Ratio Lower Upper
 152 100
 150 156.4 125.4 188.0
 115 52.2 38.5 57.7



#2
 1,4-Dioxane
 Concen: 20.621 ng
 RT: 3.13 min Scan# 7
 Delta R.T. -0.29 min
 Lab File: BG042652.D
 Acq: 1 Sep 2019 4:04

Tgt Ion: 88 Resp: 15459
 Ion Ratio Lower Upper
 88 100
 58 25.2 58.3 87.5#
 43 1912.2 20.2 30.2#





#5

2-Fluorophenol

Concen: 130.945 ng

RT: 5.55 min Scan# 419

Delta R.T. -0.01 min

Lab File: BG042652.D

Acq: 1 Sep 2019 4:04

Instrument :

BNA_G

ClientSampled :

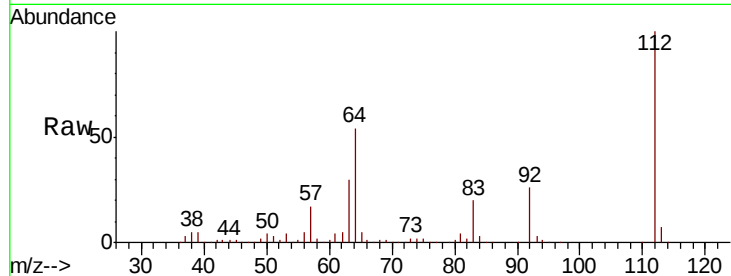
Tot Ion: 112 Resp: 235234

Ion Ratio Lower Upper

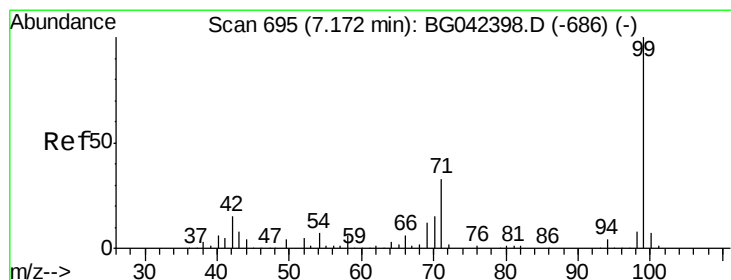
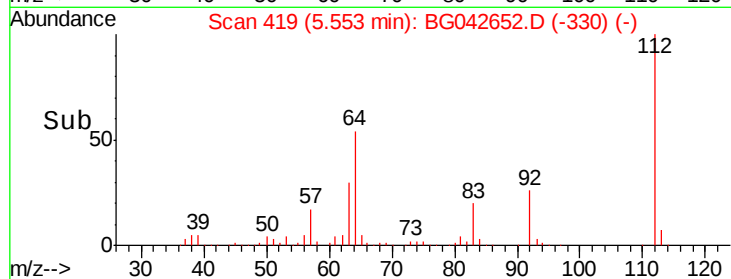
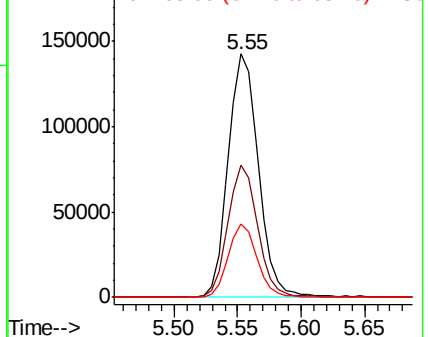
112 100

64 54.4 42.8 64.2

63 30.2 22.7 34.1



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



#7

Phenol-d6

Concen: 114.811 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042652.D

Acq: 1 Sep 2019 4:04

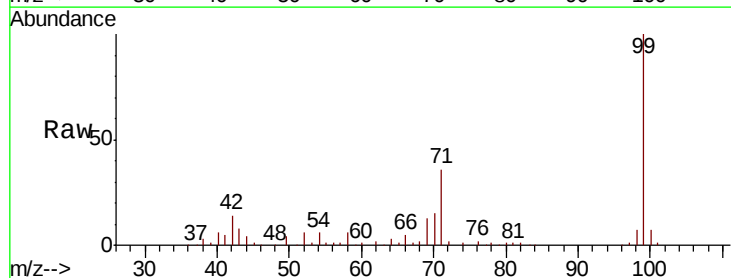
Tgt Ion: 99 Resp: 278597

Ion Ratio Lower Upper

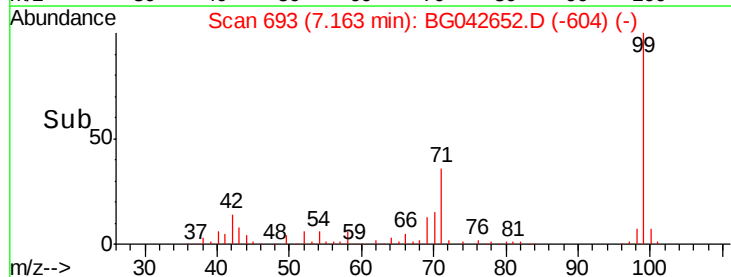
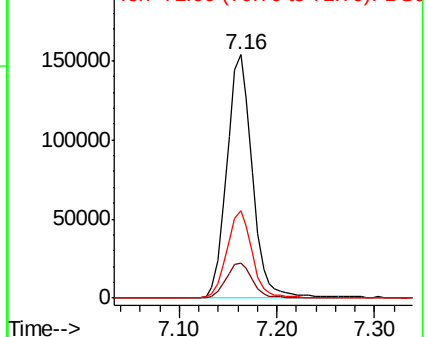
99 100

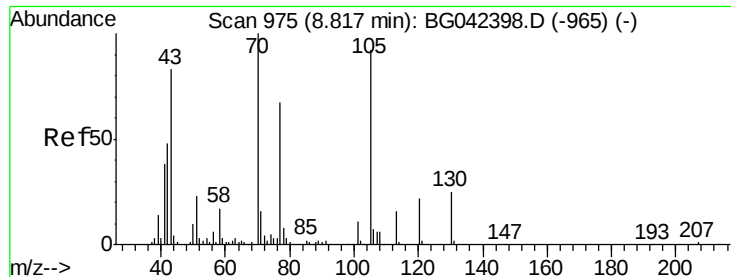
42 14.3 12.0 18.0

71 36.1 26.3 39.5



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

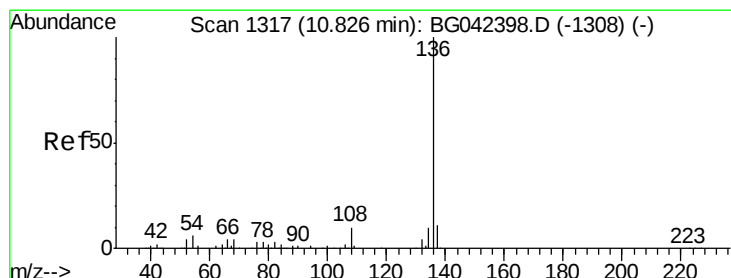
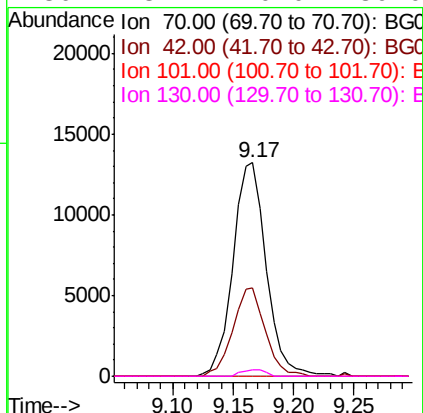
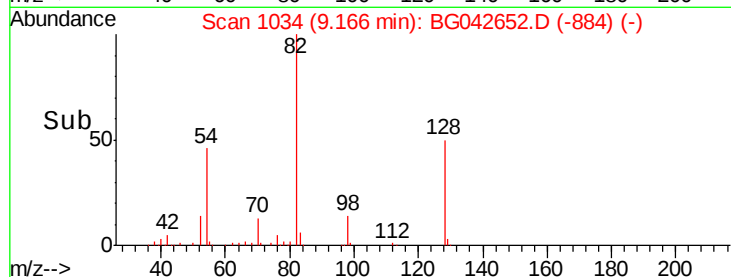
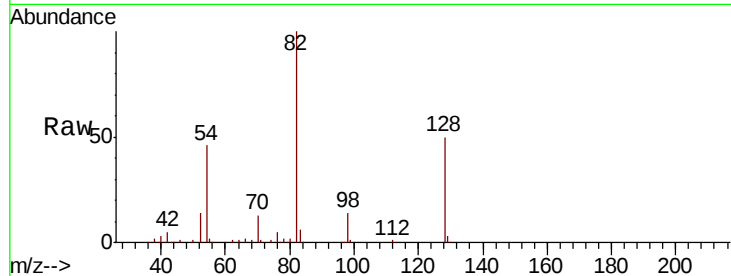




#19
n-Nitroso-di-n-propylamine
Concen: 16.180 ng
RT: 9.17 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042652.D
Acq: 1 Sep 2019 4:04

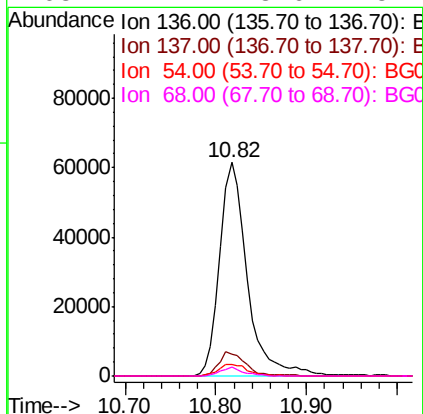
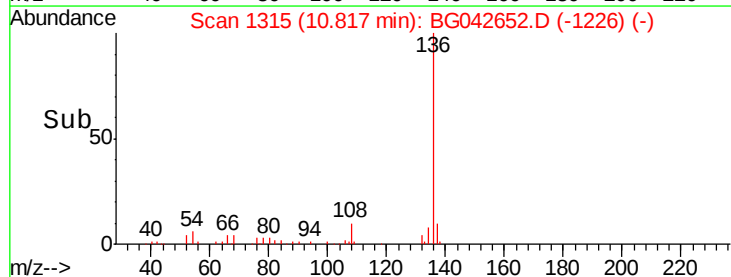
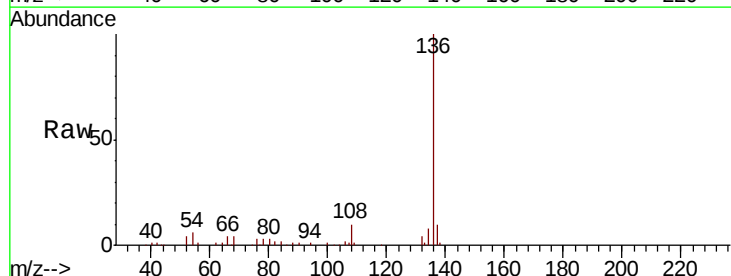
Instrument :
BNA_G
ClientSampleId :

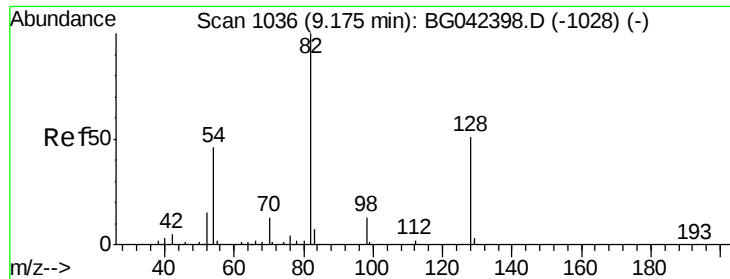
Tot Ion: 70 Resp: 25436
Ion Ratio Lower Upper
70 100
42 41.3 38.8 58.2
101 0.0 9.0 13.6#
130 3.2 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042652.D
Acq: 1 Sep 2019 4:04

Tgt Ion: 136 Resp: 130425
Ion Ratio Lower Upper
136 100
137 10.4 8.7 13.1
54 5.6 4.9 7.3
68 4.1 3.6 5.4

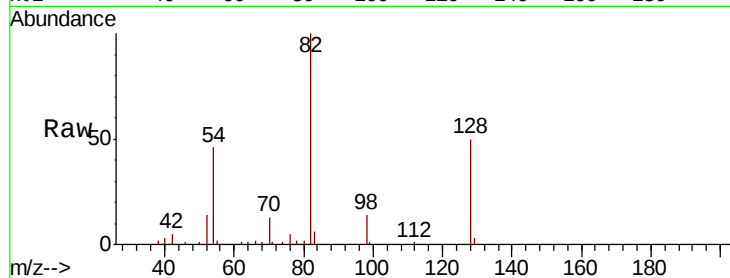




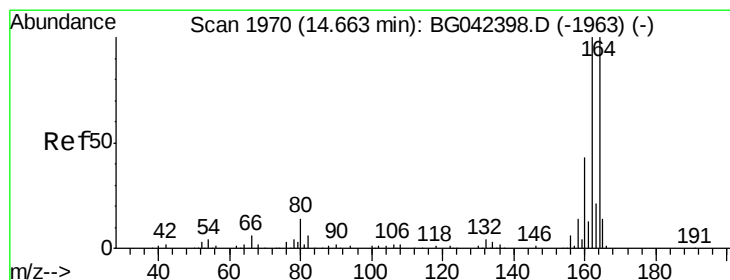
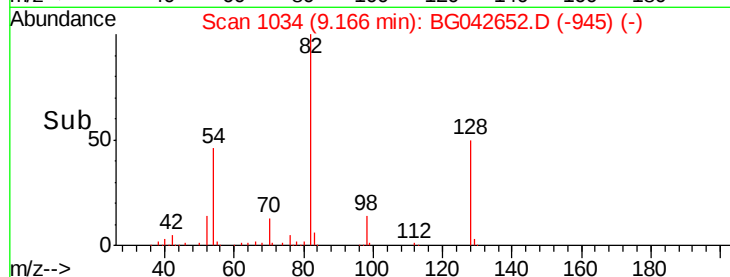
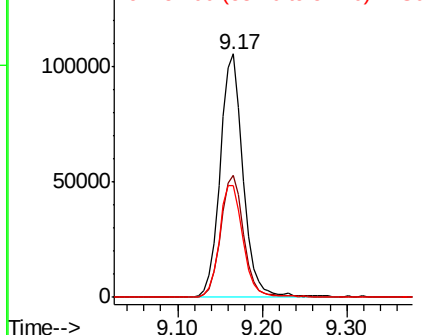
#23
 Nitrobenzene-d5
 Concen: 105.461 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042652.D
 Acq: 1 Sep 2019 4:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	199045
Ion Ratio	Lower	Upper	
82	100		
128	50.2	40.7	61.1
54	45.9	36.3	54.5

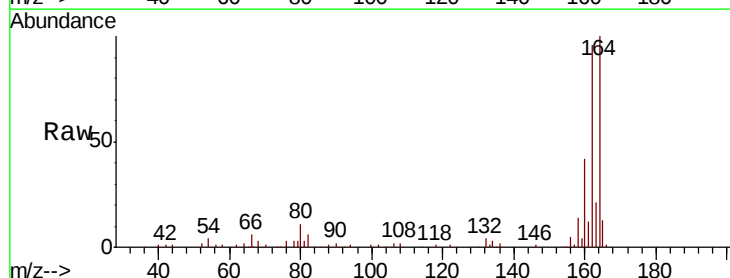


Abundance Ion 82.00 (81.70 to 82.70): BG042398.D (-1028) (-)

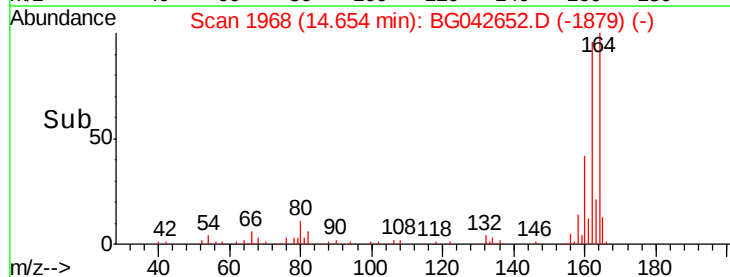
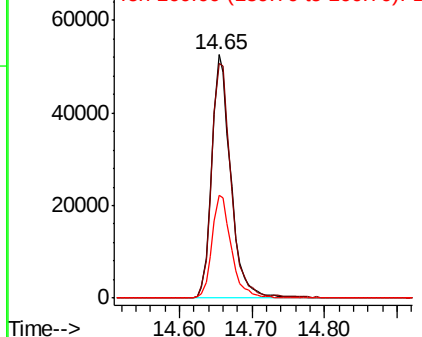


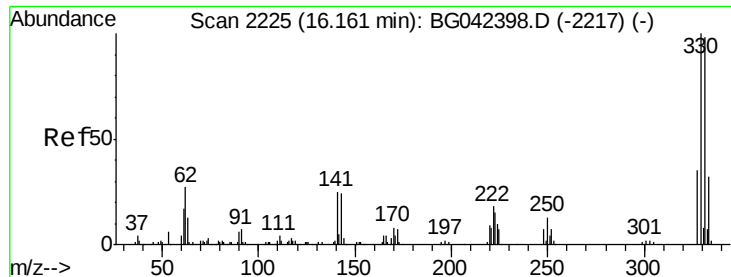
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BG042652.D
 Acq: 1 Sep 2019 4:04

Tgt Ion	164	Resp	95995
Ion Ratio	Lower	Upper	
164	100		
162	96.4	79.9	119.9
160	42.5	34.3	51.5



Abundance Ion 164.00 (163.70 to 164.70): BG042398.D (-1963) (-)





#42

2,4,6-Tribromophenol

Concen: 143.657 ng

RT: 16.15 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG042652.D

Acq: 1 Sep 2019 4:04

Instrument :

BNA_G

ClientSampled :

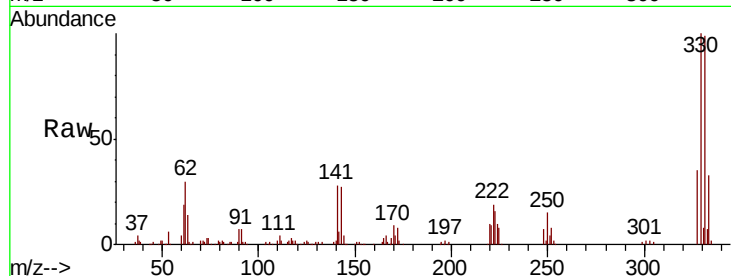
Tot Ion:330 Resp: 196007

Ion Ratio Lower Upper

330 100

332 99.7 77.4 116.0

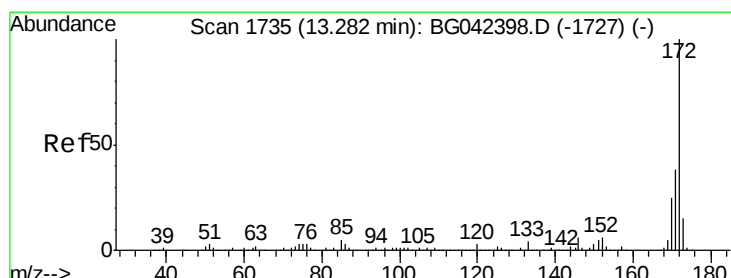
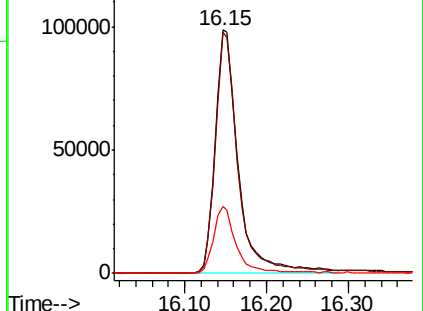
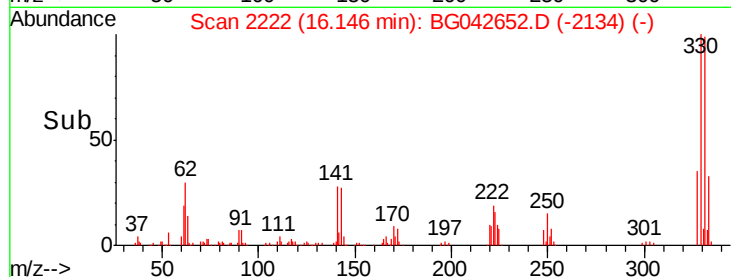
141 27.0 21.4 32.0



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: 108.157 ng

RT: 13.27 min Scan# 1733

Delta R.T. -0.01 min

Lab File: BG042652.D

Acq: 1 Sep 2019 4:04

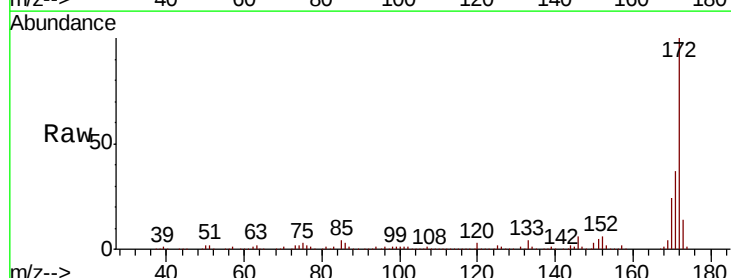
Tgt Ion:172 Resp: 613884

Ion Ratio Lower Upper

172 100

171 36.9 30.5 45.7

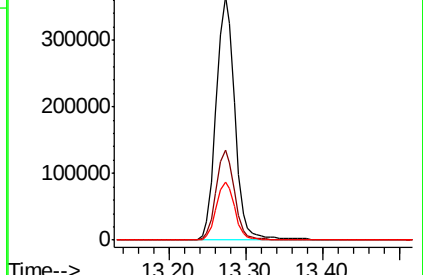
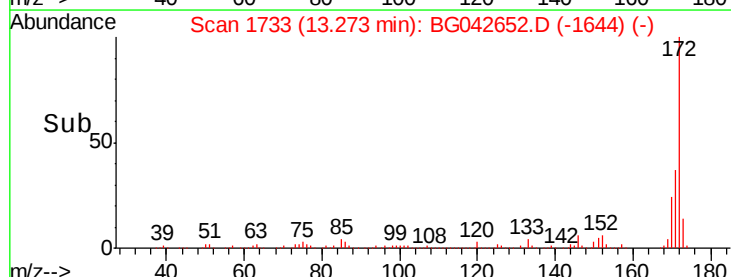
170 23.9 20.2 30.2

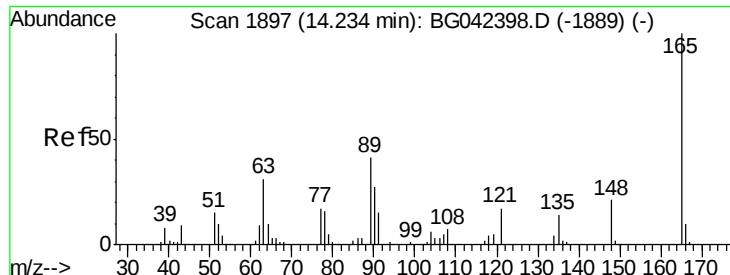


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

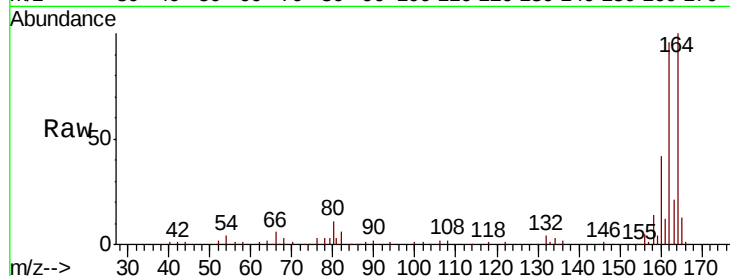




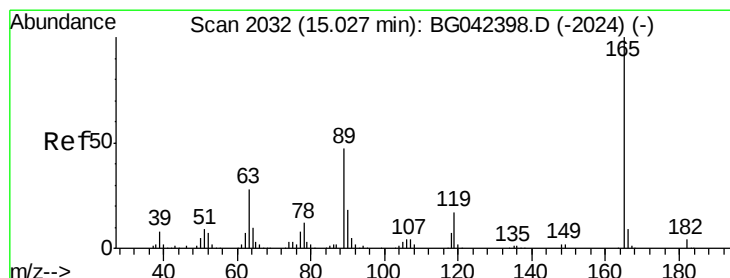
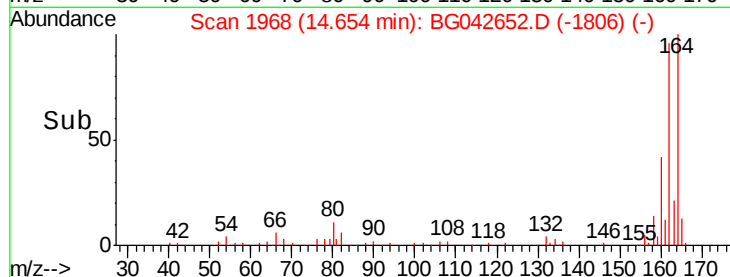
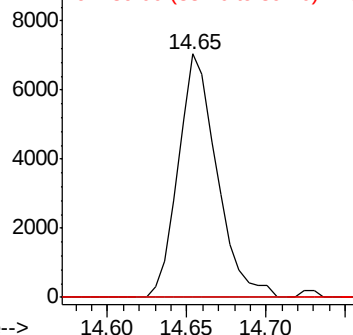
#51
 2,6-Dinitrotoluene
 Concen: 7.403 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.42 min
 Lab File: BG042652.D
 Acq: 1 Sep 2019 4:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#



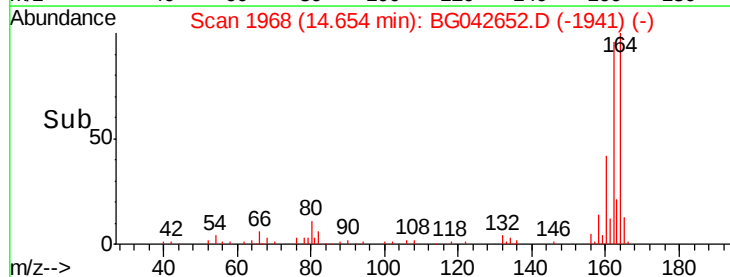
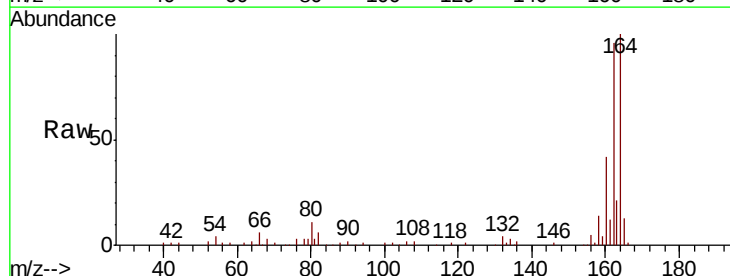
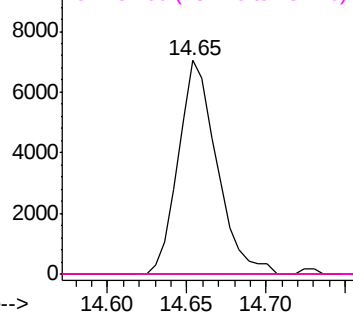
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.170 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.37 min
 Lab File: BG042652.D
 Acq: 1 Sep 2019 4:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#

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: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042652.D

Acq: 1 Sep 2019 4:04

Instrument :

BNA_G

ClientSampleId :

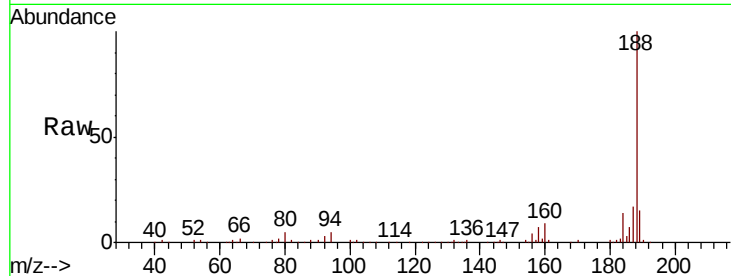
Tot Ion:188 Resp: 224492

Ion Ratio Lower Upper

188 100

94 5.1 4.5 6.7

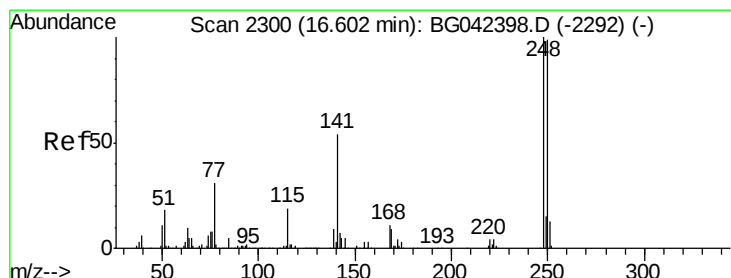
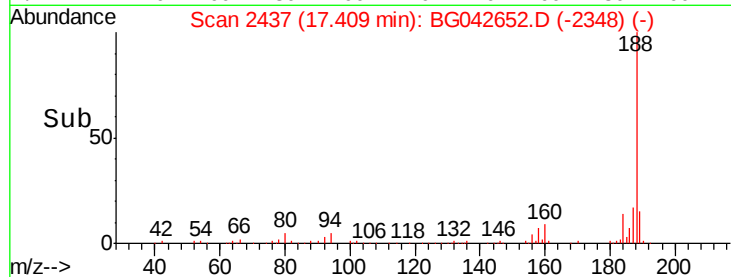
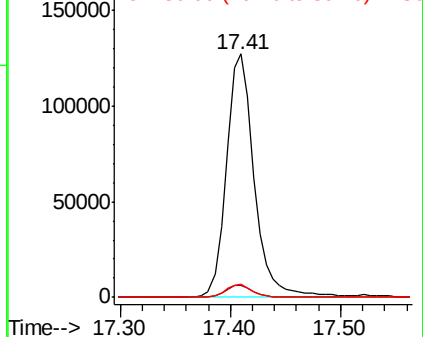
80 5.3 4.9 7.3



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: 4.578 ng

RT: 16.15 min Scan# 2222

Delta R.T. -0.46 min

Lab File: BG042652.D

Acq: 1 Sep 2019 4:04

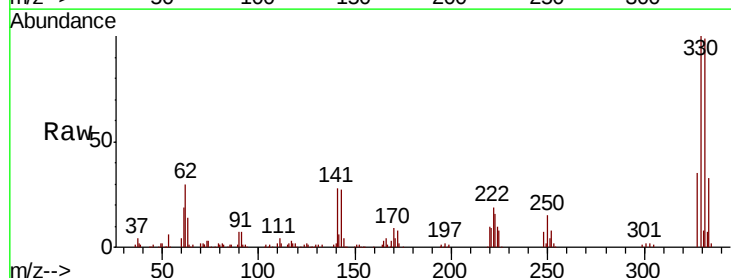
Tgt Ion:248 Resp: 13037

Ion Ratio Lower Upper

248 100

250 199.6 78.9 118.3#

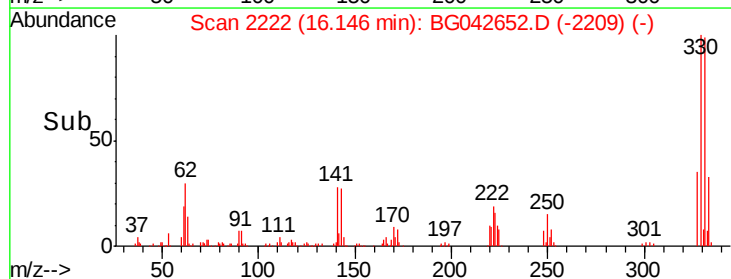
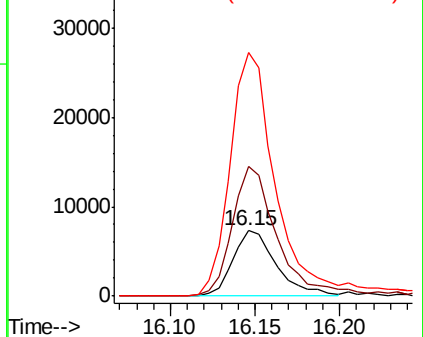
141 373.8 43.3 64.9#



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

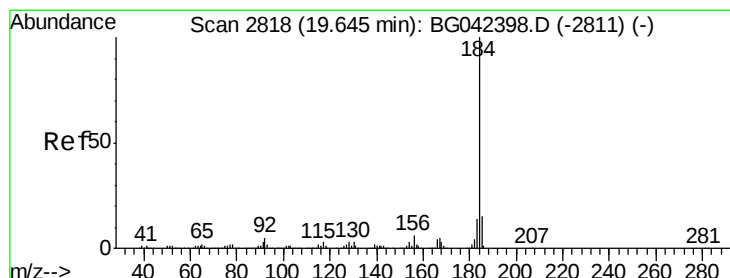
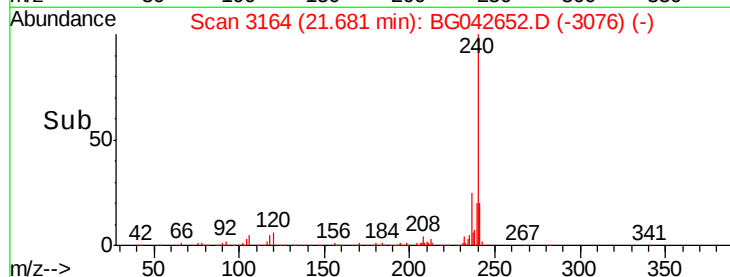
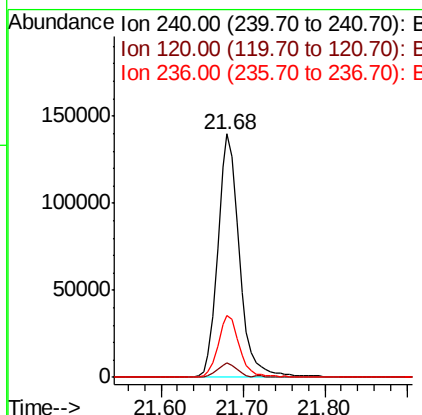
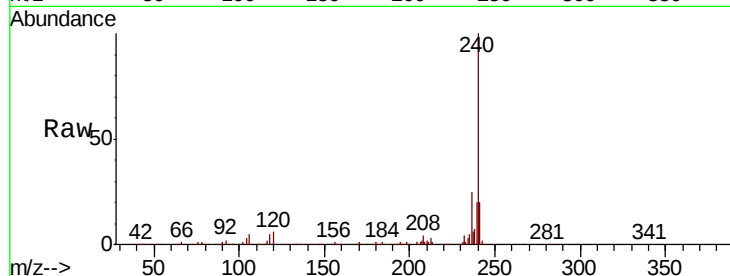




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.01 min
 Lab File: BG042652.D
 Acq: 1 Sep 2019 4:04

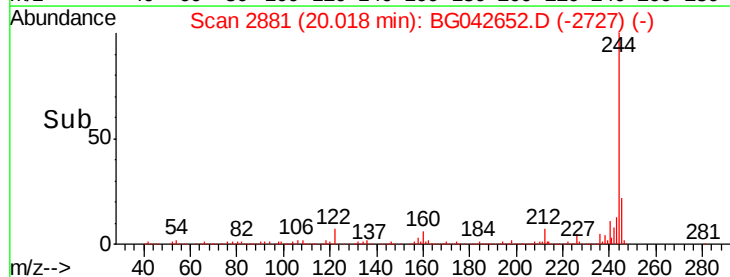
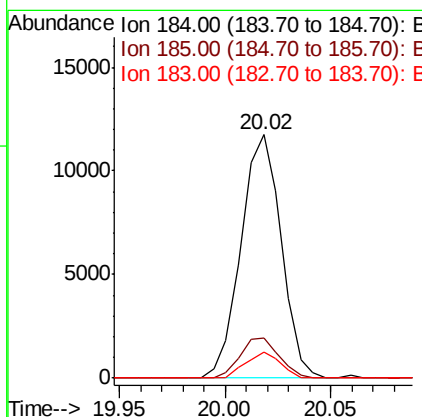
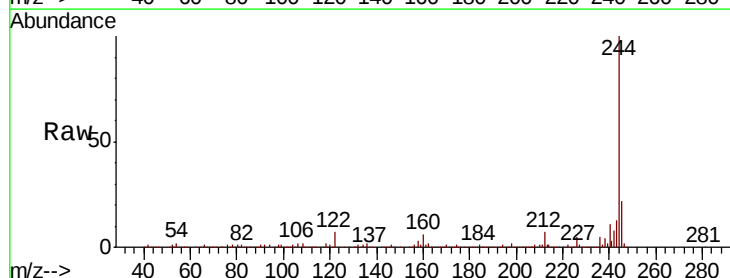
Instrument :
 BNA_G
 ClientSampleId :

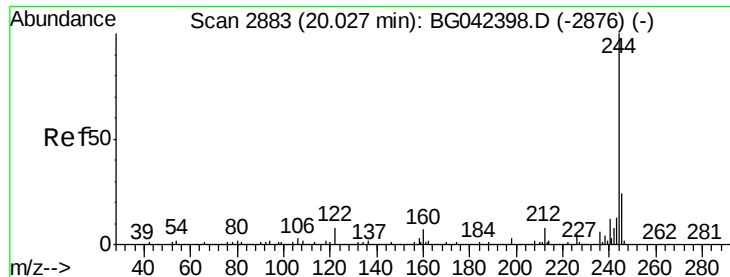
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.7	8.5
236	25.2	21.0	31.4



#77
 Benzidine
 Concen: 2.099 ng
 RT: 20.02 min Scan# 2881
 Delta R.T. 0.37 min
 Lab File: BG042652.D
 Acq: 1 Sep 2019 4:04

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.3	12.2	18.4
183	10.9	10.8	16.2





#79

Terphenyl-d14

Concen: 104.384 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042652.D

Acq: 1 Sep 2019 4:04

Instrument :

BNA_G

ClientSampleId :

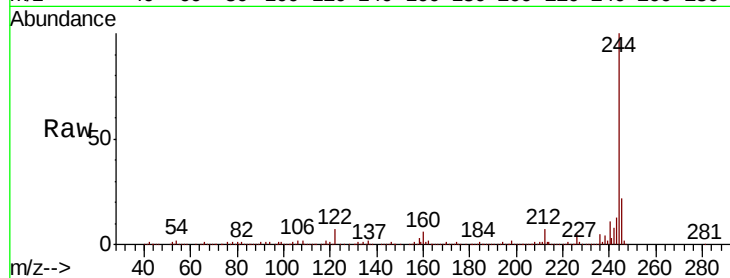
Tot Ion:244 Resp: 1243323

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

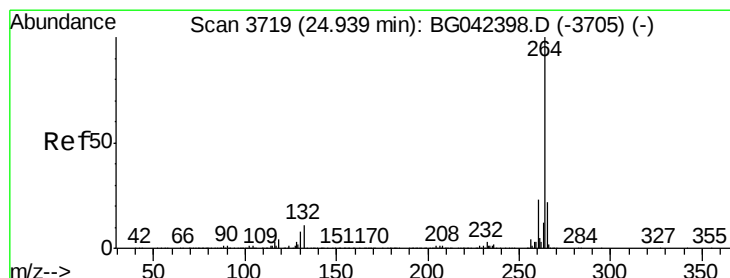
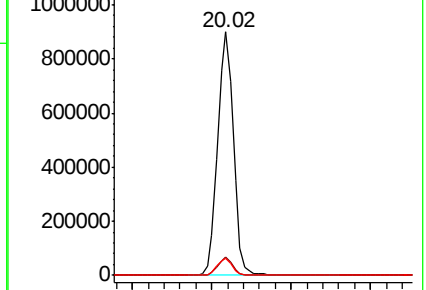
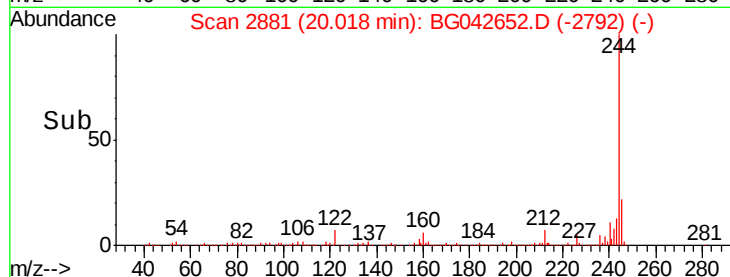
122 7.0 6.7 10.1



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# 3715

Delta R.T. -0.02 min

Lab File: BG042652.D

Acq: 1 Sep 2019 4:04

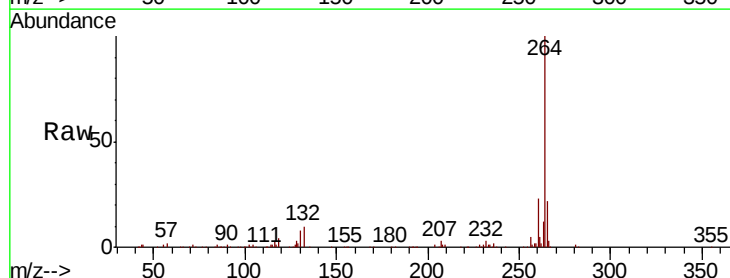
Tgt Ion:264 Resp: 292912

Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 22.1 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

