

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042534.D
 Acq On : 28 Aug 2019 16:00
 Operator : HP/JU
 Sample : K4560-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 16:35:57 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

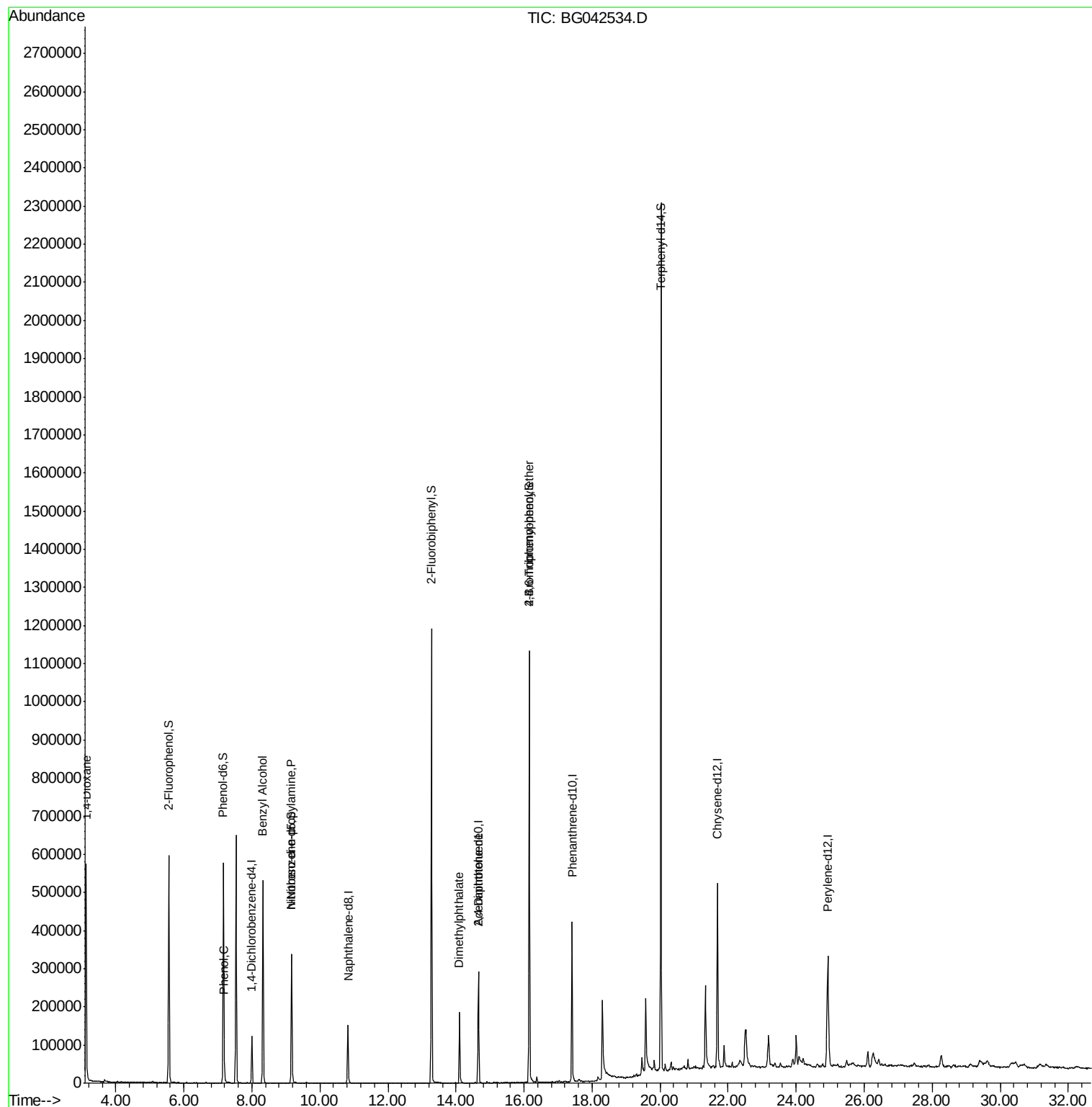
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	39890	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	153249	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	117503	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	281594	20.00	ng	0.00
76) Chrysene-d12	21.69	240	297368	20.00	ng	0.00
87) Perylene-d12	24.92	264	346700	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	296123	150.35	ng	0.00
7) Phenol-d6	7.16	99	395804	148.77	ng	0.00
23) Nitrobenzene-d5	9.17	82	222393	100.28	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	275024	164.67	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	709238	102.08	ng	0.00
79) Terphenyl-d14	20.02	244	1180391	85.82	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.12	88	6101	7.423	ng	Qvalue # 1
10) Phenol	7.19	94	10328	3.818	ng	# 83
15) Benzyl Alcohol	8.33	79	3905	2.040	ng	# 69
19) n-Nitroso-di-n-propylamine	9.16	70	28752	16.681	ng	# 74
50) Dimethylphthalate	14.10	163	160418	18.921	ng	100
57) 2,4-Dinitrotoluene	14.66	165	15405	5.474	ng	# 39
67) 4-Bromophenyl-phenylether	16.15	248	18955	5.307	ng	# 1

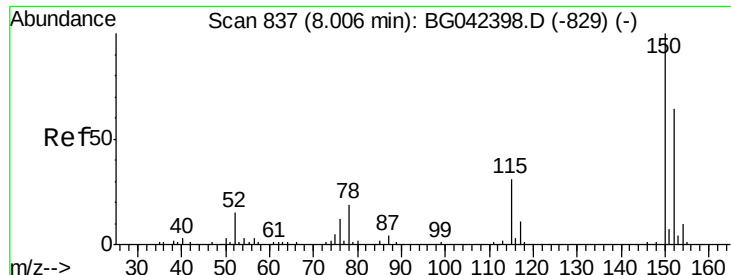
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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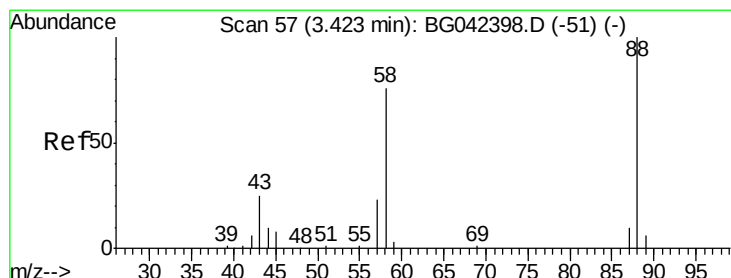
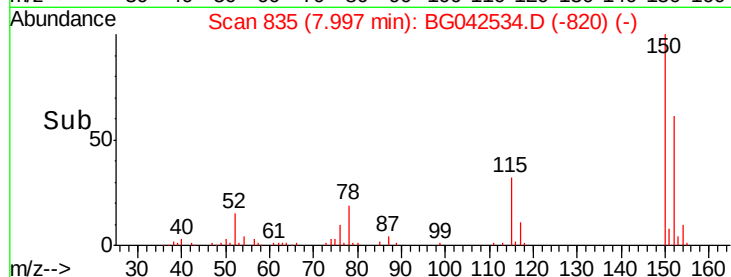
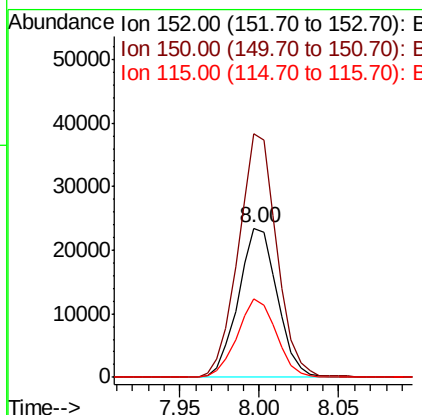
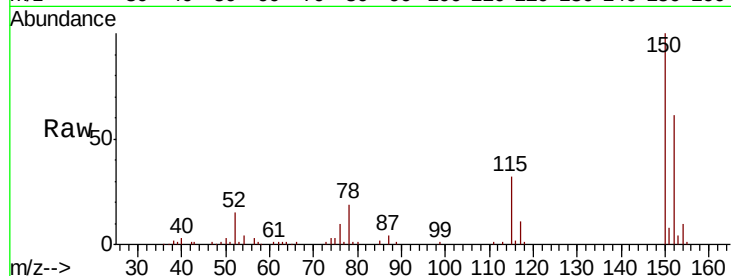


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042534.D
Acq: 28 Aug 2019 16:00

Instrument :
BNA_F
ClientSampled :

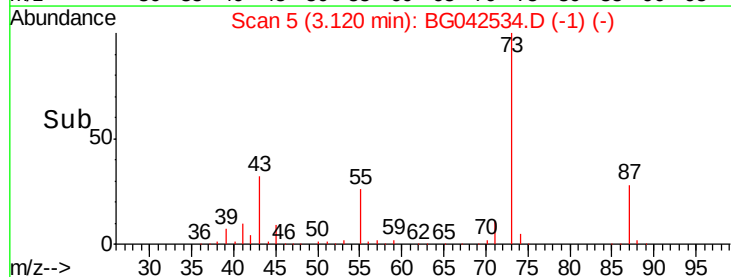
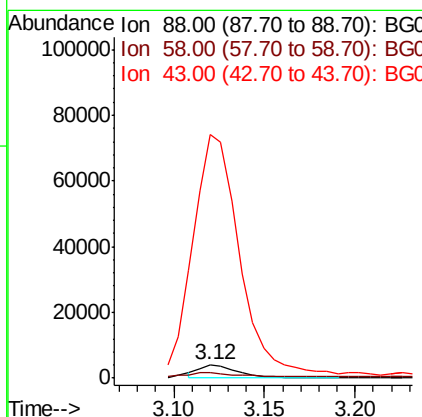
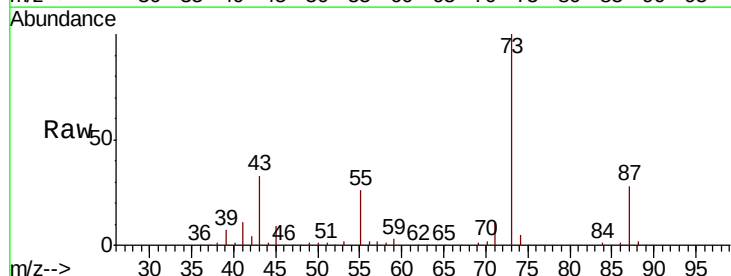
Tot Ion	Ratio	Lower	Upper
152	100		
150	163.5	125.4	188.0
115	52.5	38.5	57.7

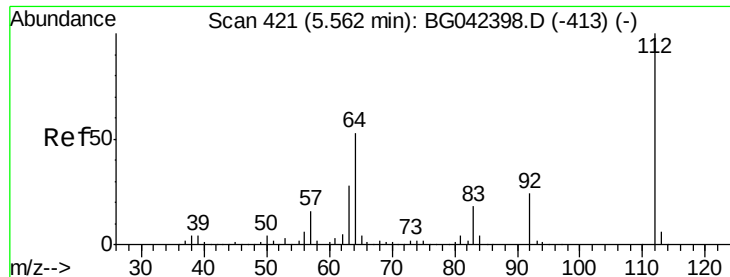


#2

1,4-Dioxane
Concen: 7.423 ng
RT: 3.12 min Scan# 5
Delta R.T. -0.30 min
Lab File: BG042534.D
Acq: 28 Aug 2019 16:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	23.0	58.3	87.5#
43	1855.3	20.2	30.2#





#5

2-Fluorophenol

Concen: 150.347 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG042534.D

Acq: 28 Aug 2019 16:00

Instrument :

BNA_F

ClientSampleId :

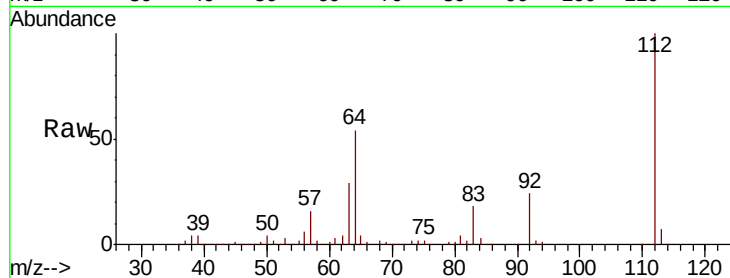
Tot Ion: 112 Resp: 296123

Ion Ratio Lower Upper

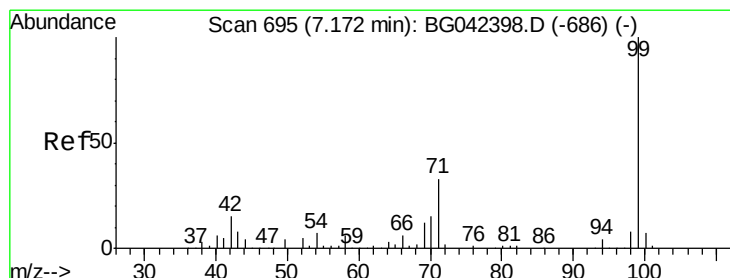
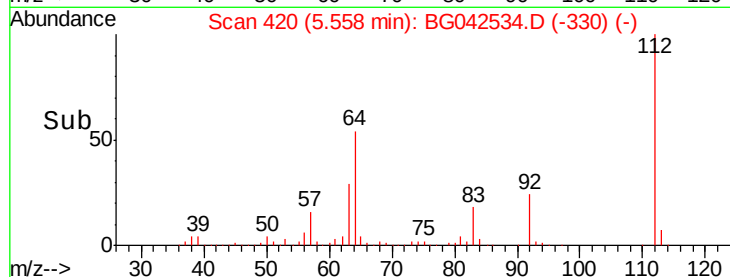
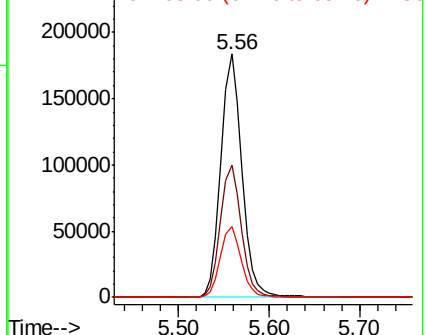
112 100

64 54.4 42.8 64.2

63 28.9 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: 148.772 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042534.D

Acq: 28 Aug 2019 16:00

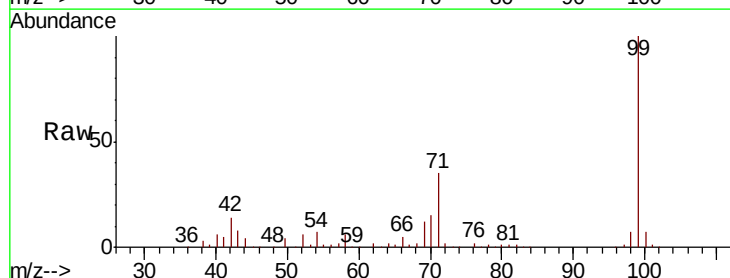
Tgt Ion: 99 Resp: 395804

Ion Ratio Lower Upper

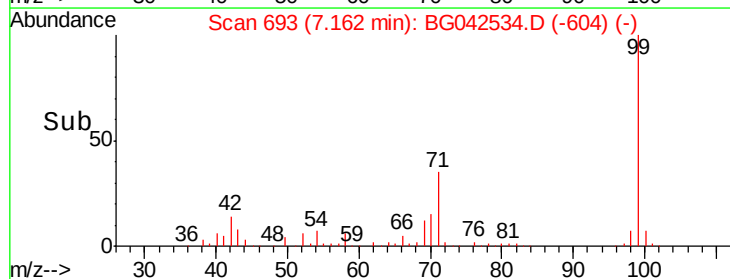
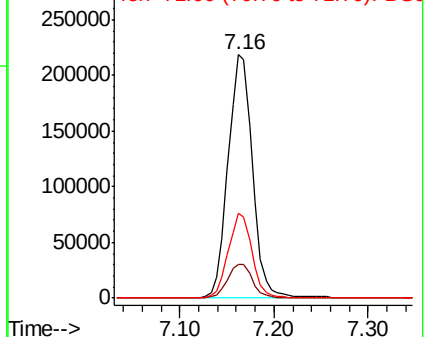
99 100

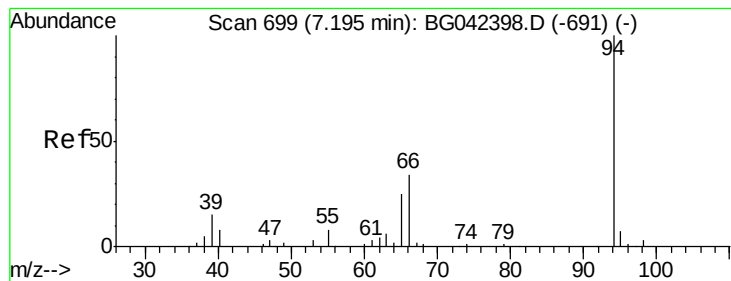
42 14.0 12.0 18.0

71 34.8 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





#10

Phenol

Concen: 3.818 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG042534.D

Acq: 28 Aug 2019 16:00

Instrument :

BNA_F

ClientSampled :

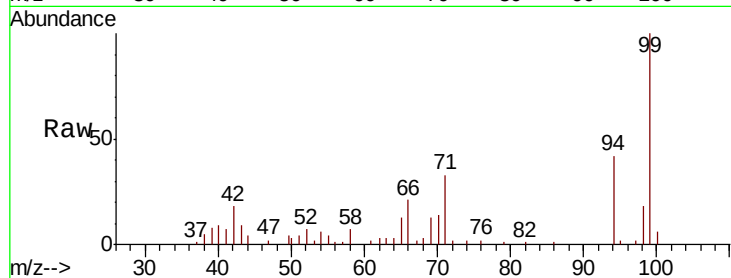
Tot Ion: 94 Resp: 10328

Ion Ratio Lower Upper

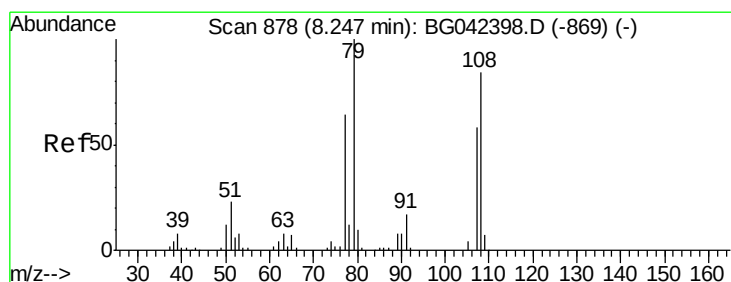
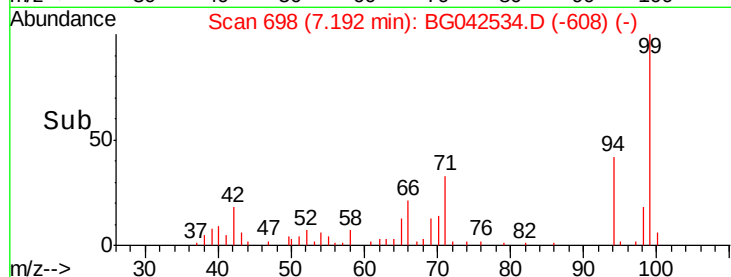
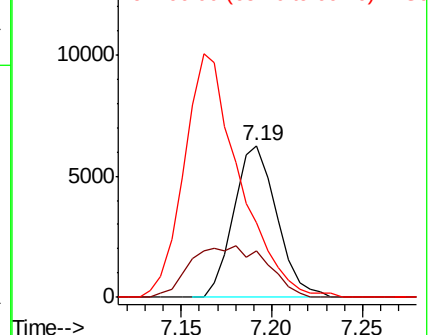
94 100

65 30.4 5.6 45.6

66 49.3 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#15

Benzyl Alcohol

Concen: 2.040 ng

RT: 8.33 min Scan# 891

Delta R.T. 0.08 min

Lab File: BG042534.D

Acq: 28 Aug 2019 16:00

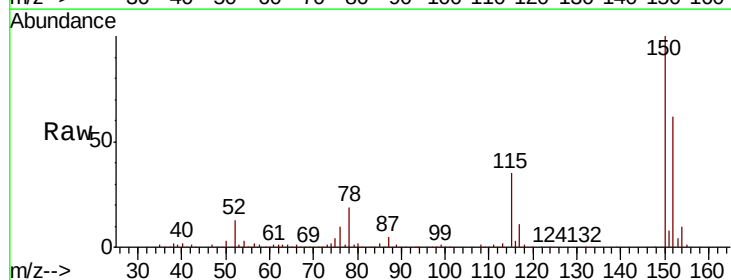
Tgt Ion: 79 Resp: 3905

Ion Ratio Lower Upper

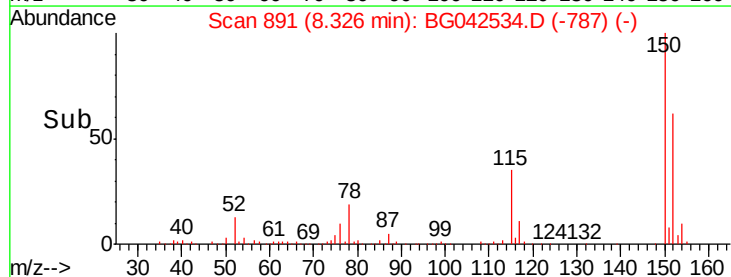
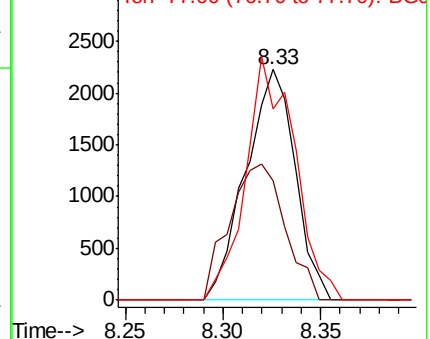
79 100

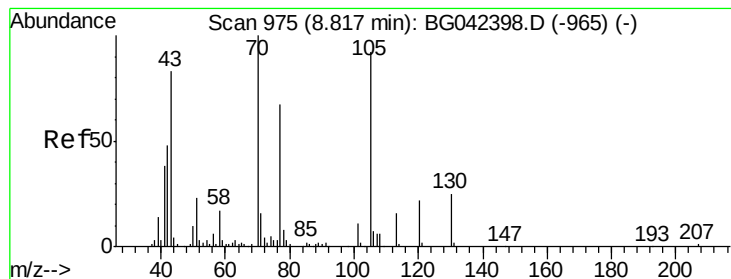
108 51.8 67.4 101.2#

77 82.8 50.8 76.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.681 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG042534.D

Acq: 28 Aug 2019 16:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 28752

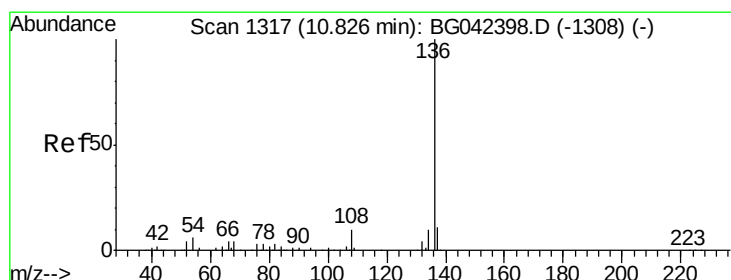
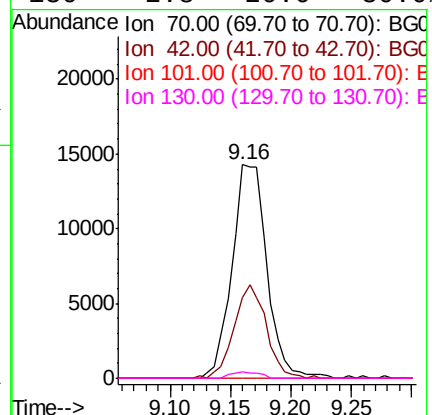
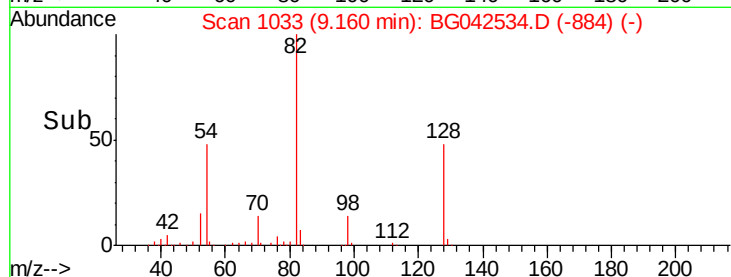
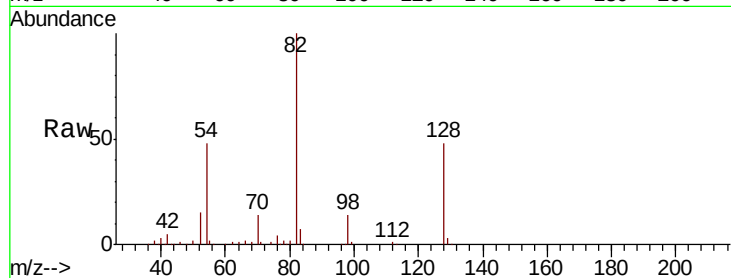
Ion Ratio Lower Upper

70 100

42 37.5 38.8 58.2#

101 0.0 9.0 13.6#

130 2.8 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BG042534.D

Acq: 28 Aug 2019 16:00

Tgt Ion: 136 Resp: 153249

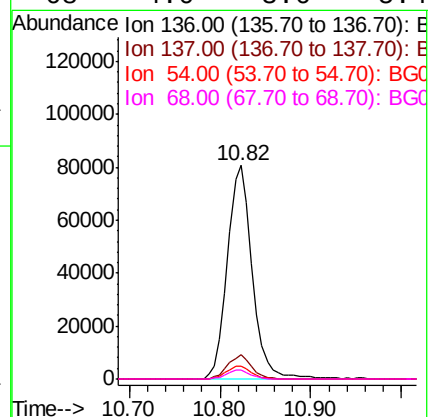
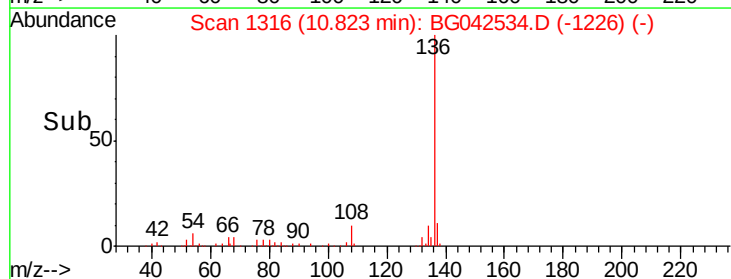
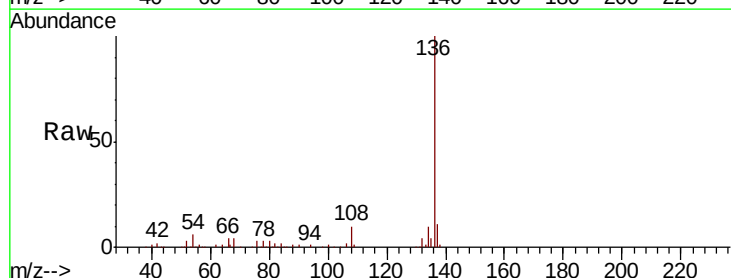
Ion Ratio Lower Upper

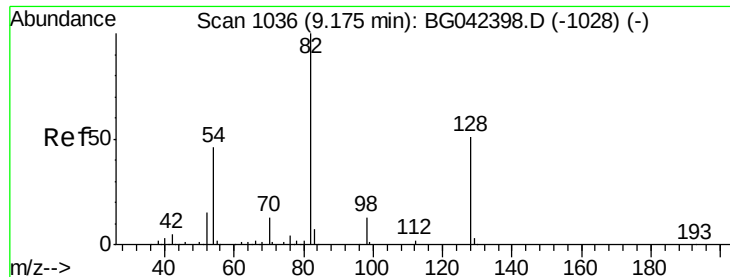
136 100

137 11.2 8.7 13.1

54 6.1 4.9 7.3

68 4.0 3.6 5.4

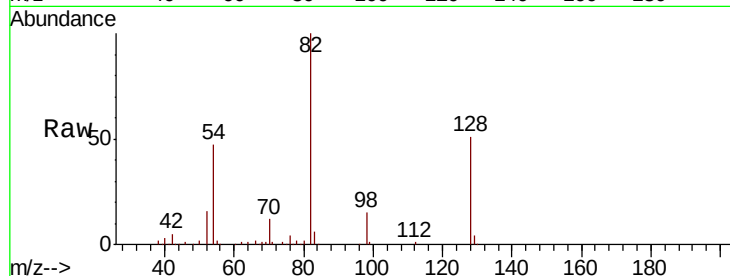




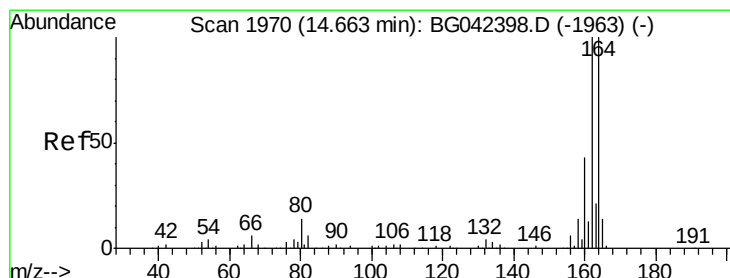
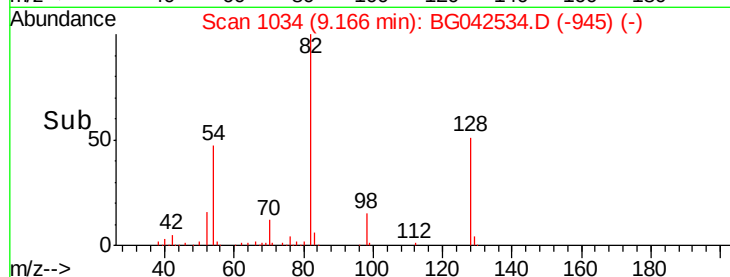
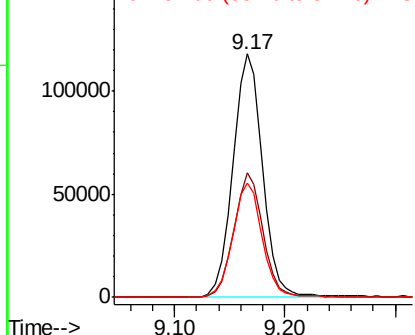
#23
Nitrobenzene-d5
Concen: 100.283 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042534.D
Acq: 28 Aug 2019 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	222393
Ion Ratio	Lower	Upper	
82	100		
128	51.0	40.7	61.1
54	46.8	36.3	54.5

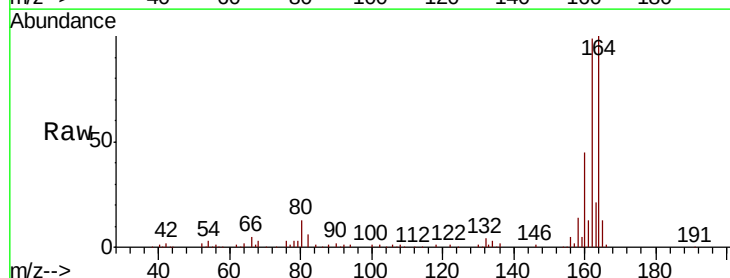


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

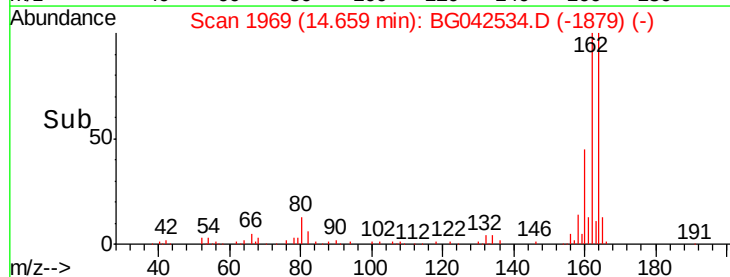
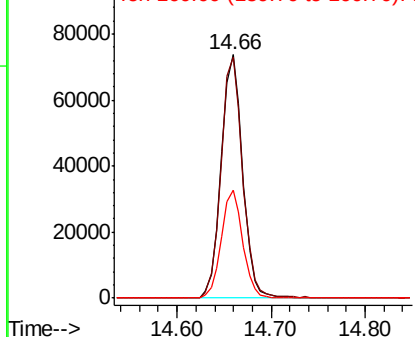


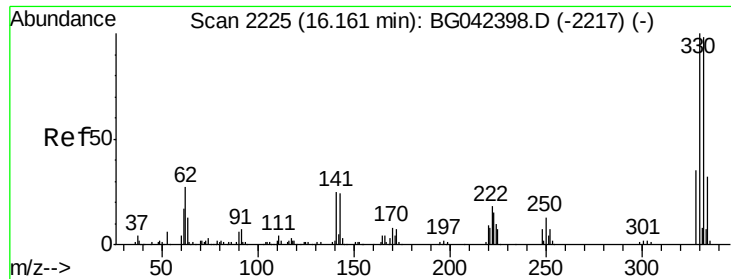
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042534.D
Acq: 28 Aug 2019 16:00

Tgt Ion	164	Resp	117503
Ion Ratio	Lower	Upper	
164	100		
162	98.9	79.9	119.9
160	44.5	34.3	51.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

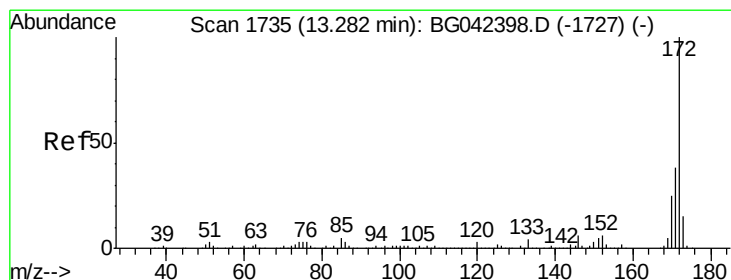
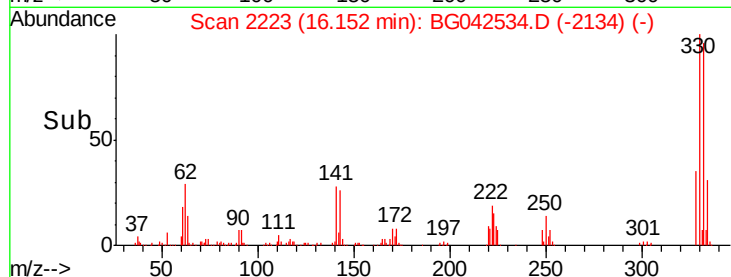
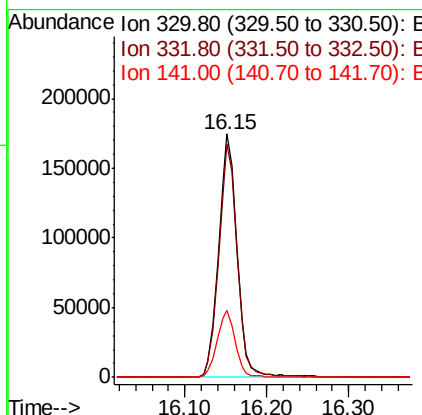
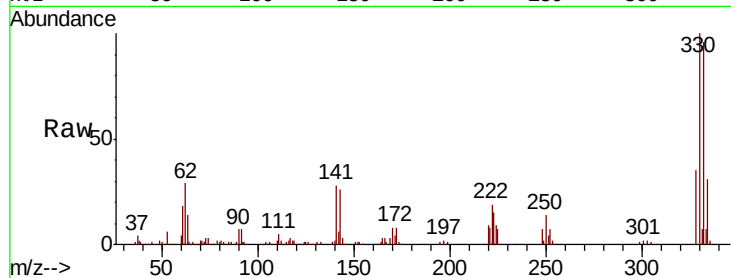




#42
 2,4,6-Tribromophenol
 Concen: 164.674 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042534.D
 Acq: 28 Aug 2019 16:00

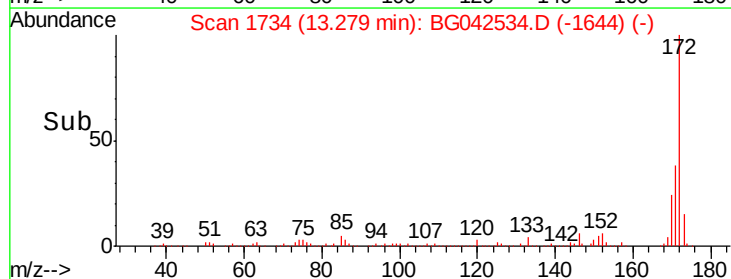
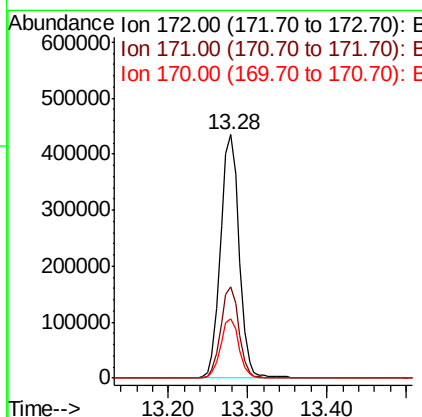
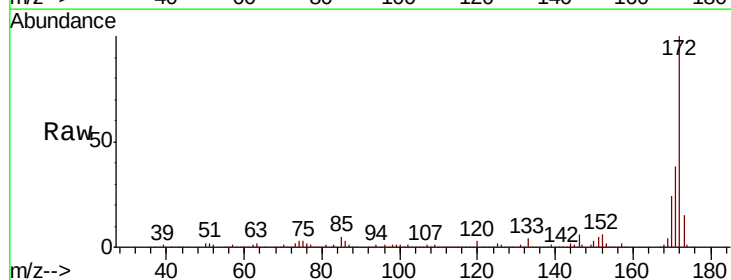
Instrument :
 BNA_F
 ClientSampleId :

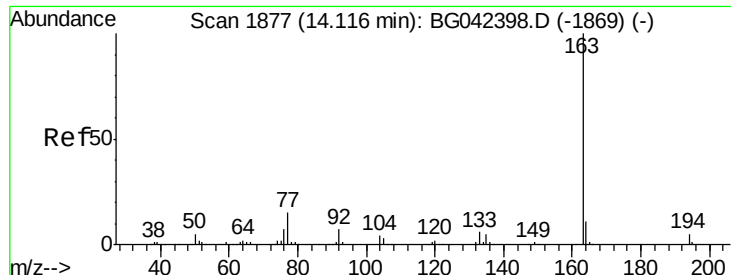
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.0
141	27.4	21.4	32.0



#45
 2-Fluorobiphenyl
 Concen: 102.084 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042534.D
 Acq: 28 Aug 2019 16:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.5	45.7
170	24.1	20.2	30.2





#50

Dimethylphthalate

Concen: 18.921 ng

RT: 14.10 min Scan# 1874

Delta R.T. -0.02 min

Lab File: BG042534.D

Acq: 28 Aug 2019 16:00

Instrument :

BNA_F

ClientSampleId :

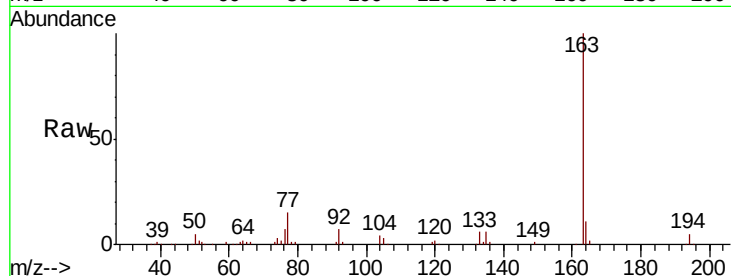
Tot Ion:163 Resp: 160418

Ion Ratio Lower Upper

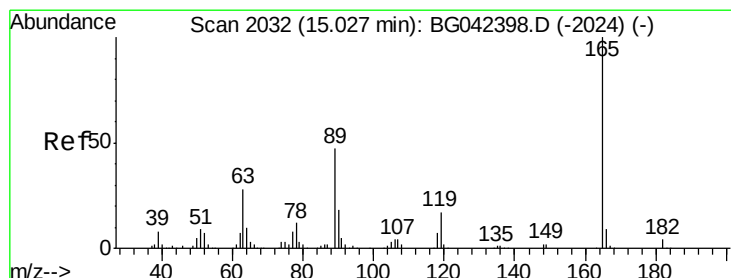
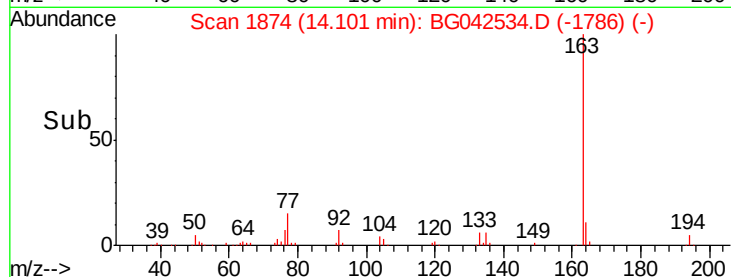
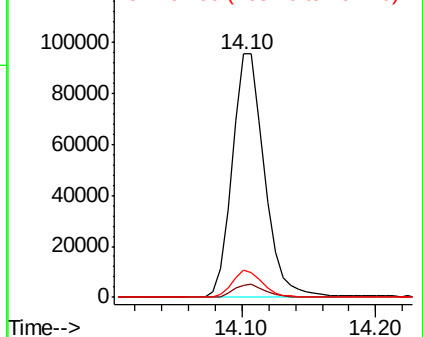
163 100

194 5.0 4.2 6.2

164 11.0 8.8 13.2



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: 5.474 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG042534.D

Acq: 28 Aug 2019 16:00

Tgt Ion:165 Resp: 15405

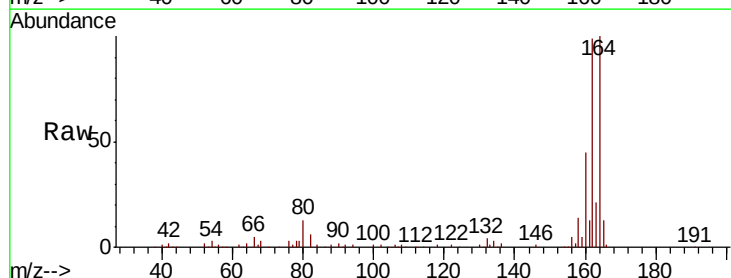
Ion Ratio Lower Upper

165 100

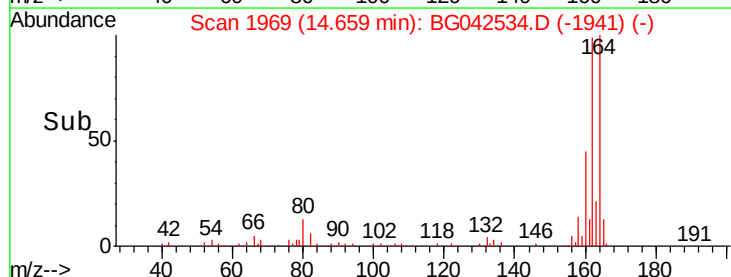
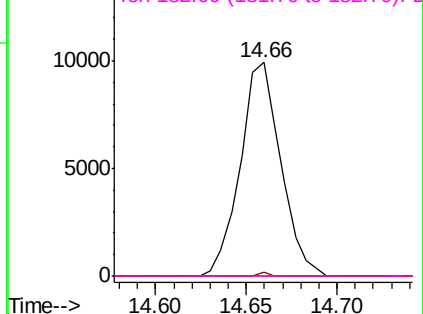
63 1.5 22.5 33.7#

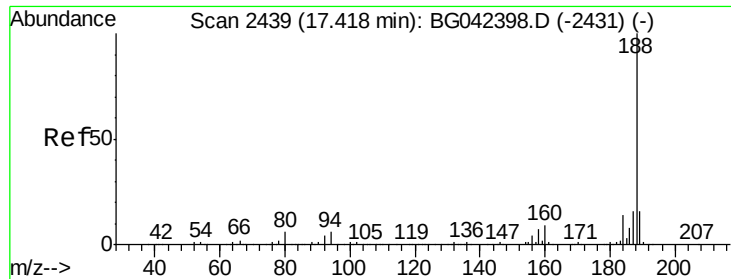
89 0.0 37.8 56.6#

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

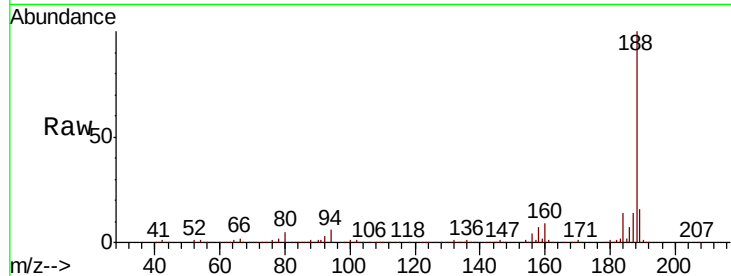




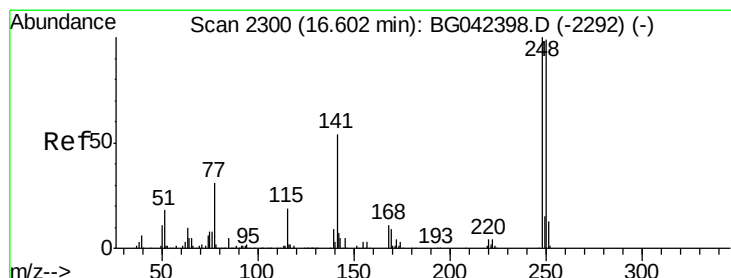
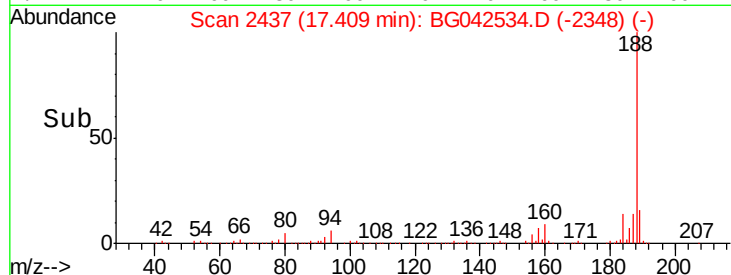
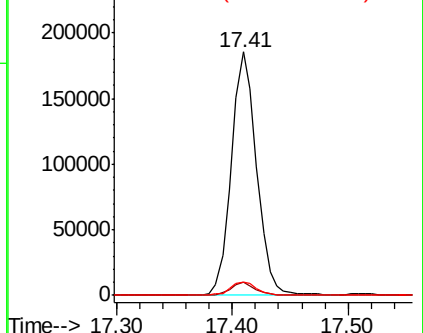
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042534.D
 Acq: 28 Aug 2019 16:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 281594
 Ion Ratio Lower Upper
 188 100
 94 5.7 4.5 6.7
 80 5.3 4.9 7.3

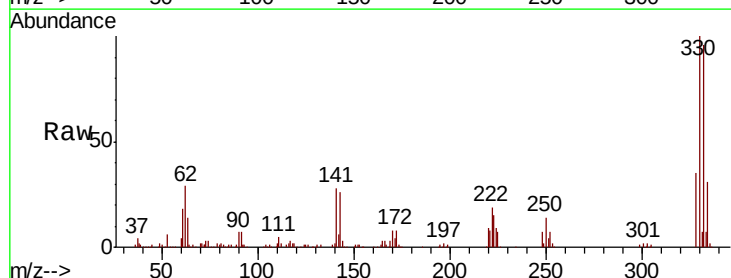


Abundance Ion 188.00 (187.70 to 188.70): E
 250000
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

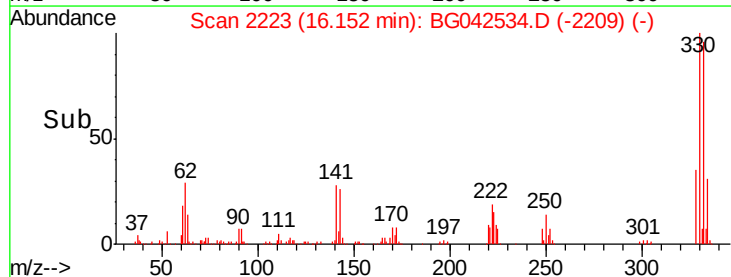
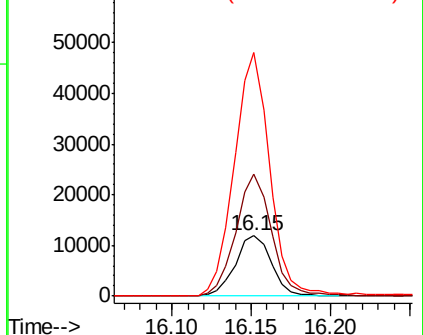


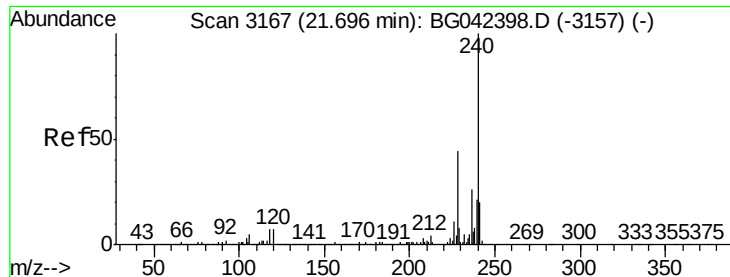
#67
 4-Bromophenyl-phenylether
 Concen: 5.307 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042534.D
 Acq: 28 Aug 2019 16:00

Tgt Ion:248 Resp: 18955
 Ion Ratio Lower Upper
 248 100
 250 201.9 78.9 118.3#
 141 404.7 43.3 64.9#



Abundance Ion 248.00 (247.70 to 248.70): E
 60000
 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: 21.69 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042534.D

Acq: 28 Aug 2019 16:00

Instrument :

BNA_F

ClientSampled :

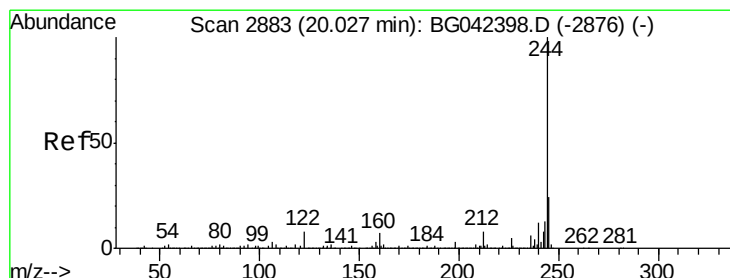
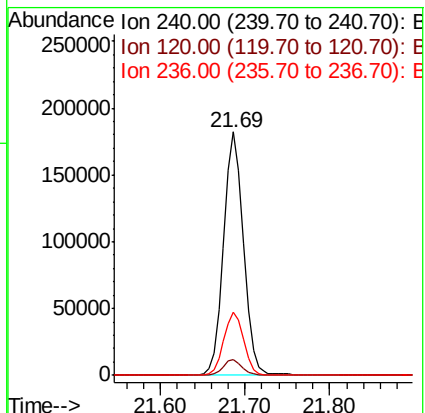
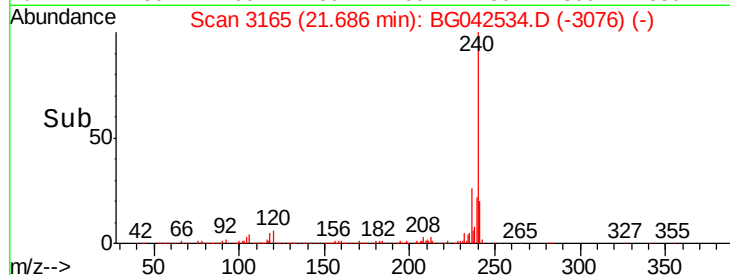
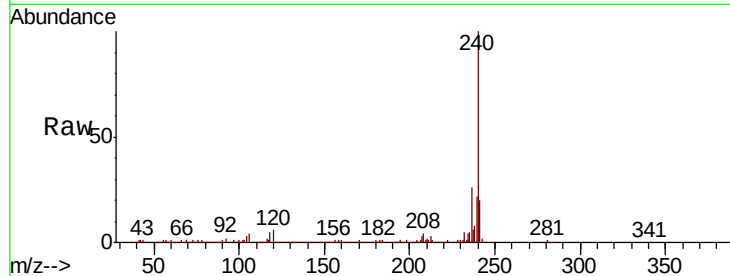
Tot Ion:240 Resp: 297368

Ion Ratio Lower Upper

240 100

120 6.2 5.7 8.5

236 26.1 21.0 31.4



#79

Terphenyl-d14

Concen: 85.817 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042534.D

Acq: 28 Aug 2019 16:00

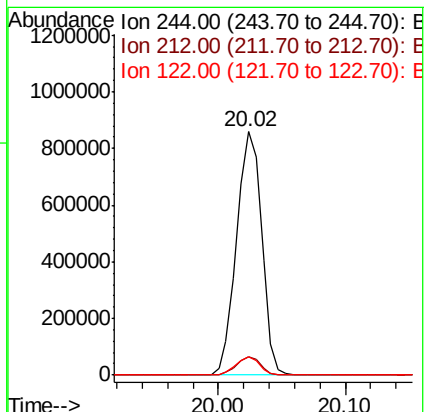
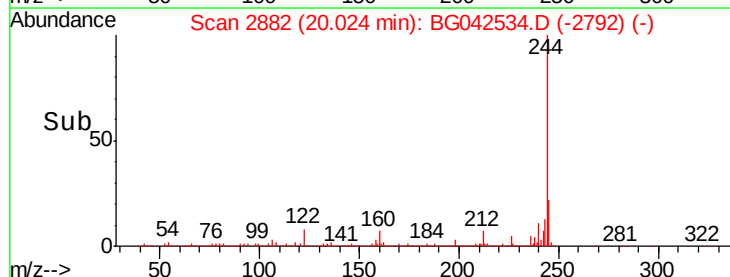
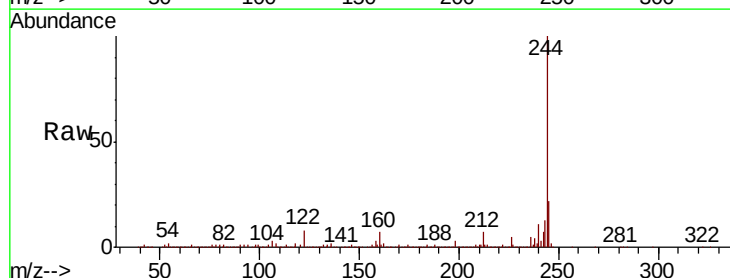
Tgt Ion:244 Resp: 1180391

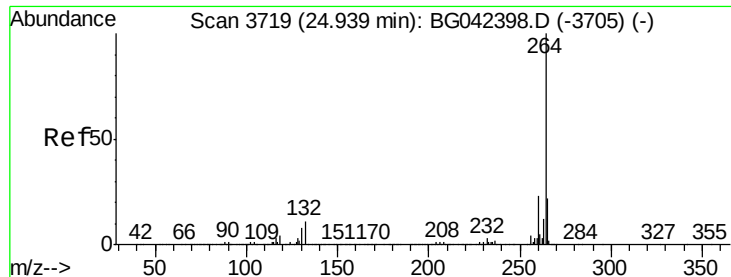
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 7.5 6.7 10.1





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042534.D
Acq: 28 Aug 2019 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.8	17.6	26.4

