

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042540.D
 Acq On : 28 Aug 2019 19:57
 Operator : HP/JU
 Sample : K4574-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 29 05:59:25 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

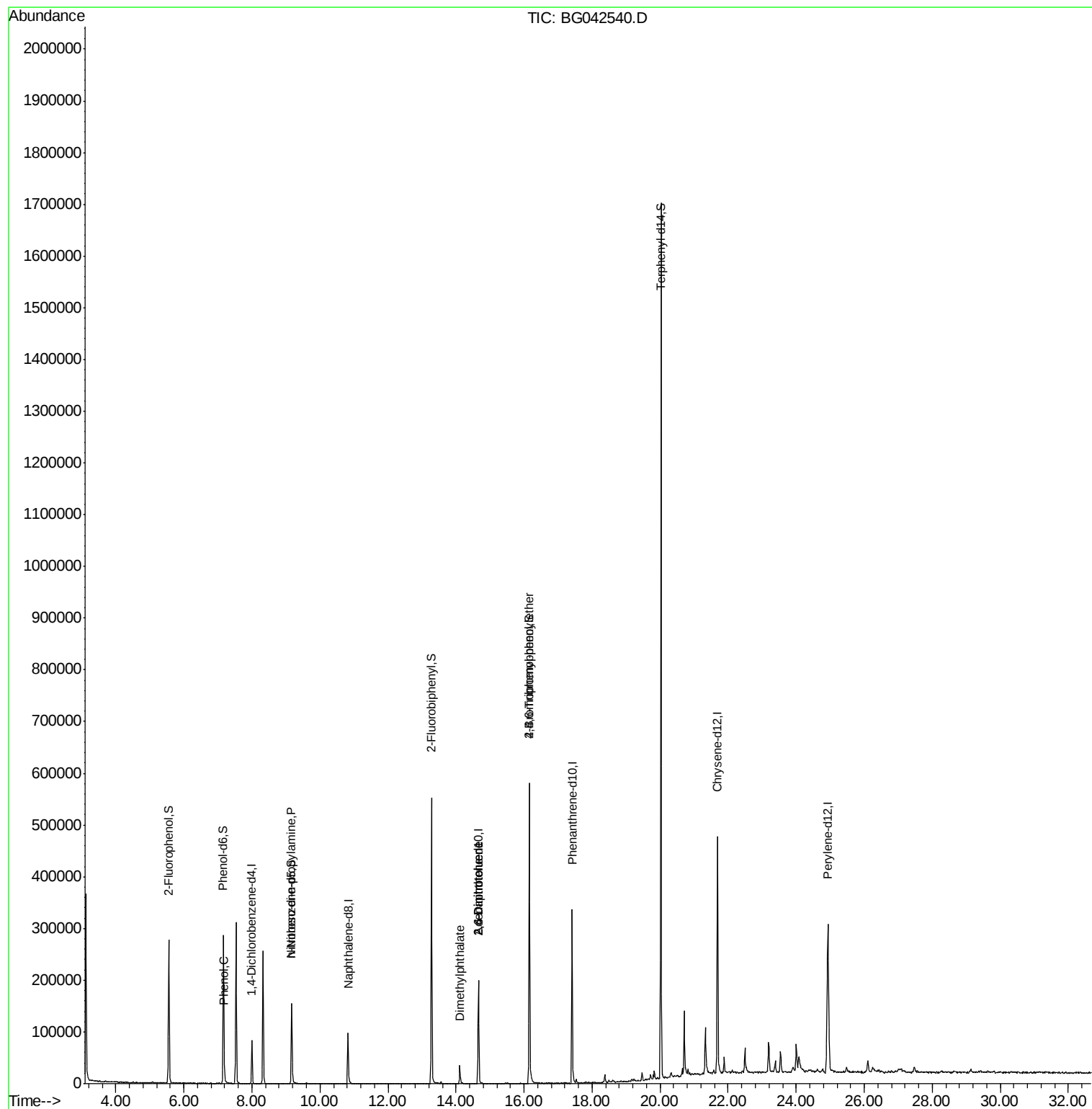
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	28831	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	108165	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	87962	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	250904	20.00	ng	0.00
76) Chrysene-d12	21.68	240	292889	20.00	ng	-0.01
87) Perylene-d12	24.93	264	344277	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	148543	104.35	ng	0.00
7) Phenol-d6	7.16	99	196318	102.10	ng	-0.01
23) Nitrobenzene-d5	9.16	82	108614	69.39	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	160611	128.46	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	349561	67.21	ng	0.00
79) Terphenyl-d14	20.02	244	871329	64.32	ng	0.00
Target Compounds						
10) Phenol	7.19	94	5698	2.914	ng	85
19) n-Nitroso-di-n-propylamine	9.17	70	13674	10.976	ng	# 75
50) Dimethylphthalate	14.11	163	39079	6.157	ng	100
51) 2,6-Dinitrotoluene	14.66	165	11055	7.515	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	11055	5.248	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	11092	3.485	ng	# 1

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

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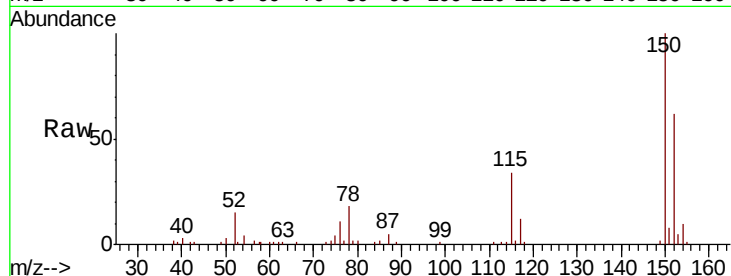


#1

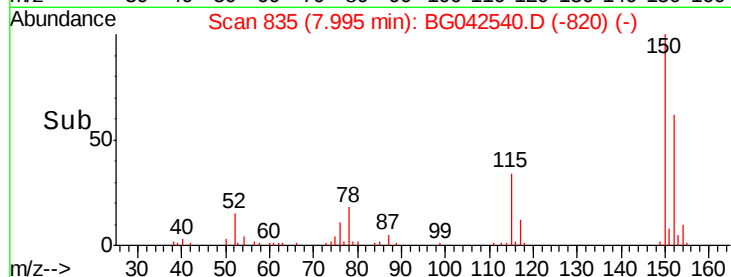
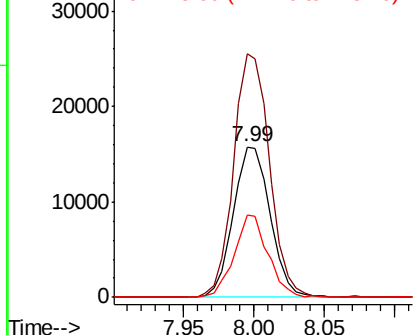
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042540.D
Acq: 28 Aug 2019 19:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28831
Ion Ratio Lower Upper
152 100
150 161.6 125.4 188.0
115 54.3 38.5 57.7



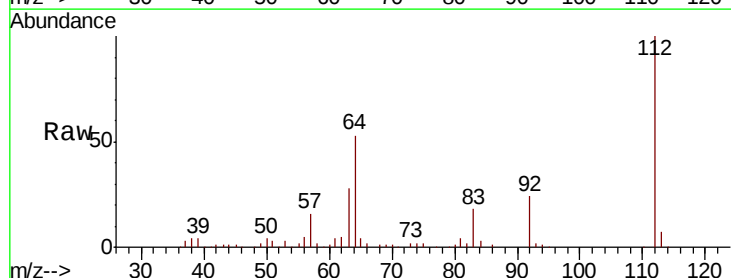
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



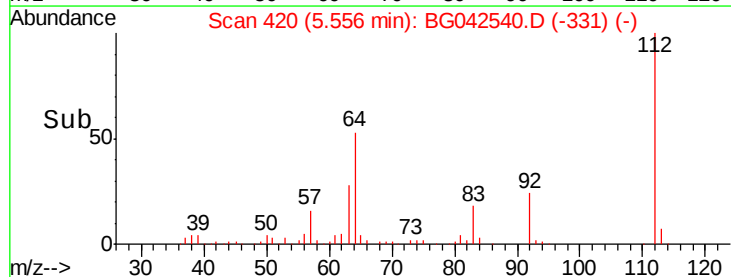
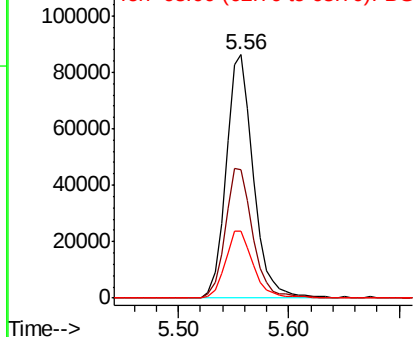
#5

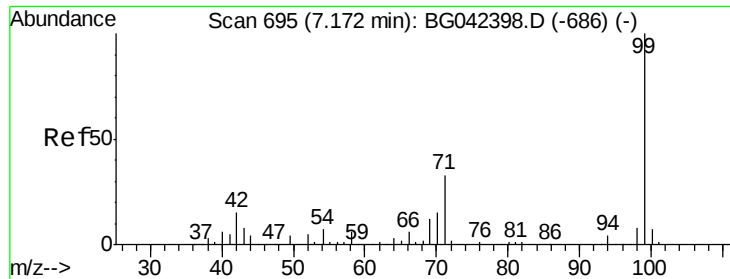
2-Fluorophenol
Concen: 104.347 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042540.D
Acq: 28 Aug 2019 19:57

Tgt Ion:112 Resp: 148543
Ion Ratio Lower Upper
112 100
64 52.9 42.8 64.2
63 27.5 22.7 34.1



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: 102.095 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042540.D

Acq: 28 Aug 2019 19:57

Instrument :

BNA_G

ClientSampled :

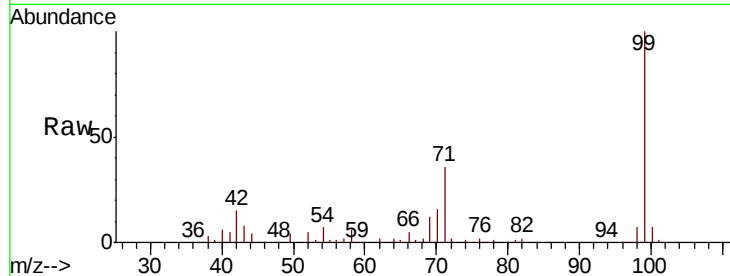
Tot Ion: 99 Resp: 196318

Ion Ratio Lower Upper

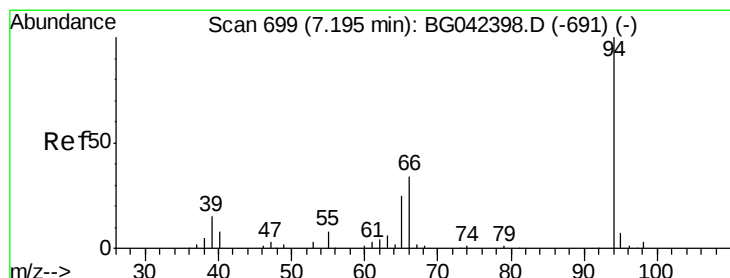
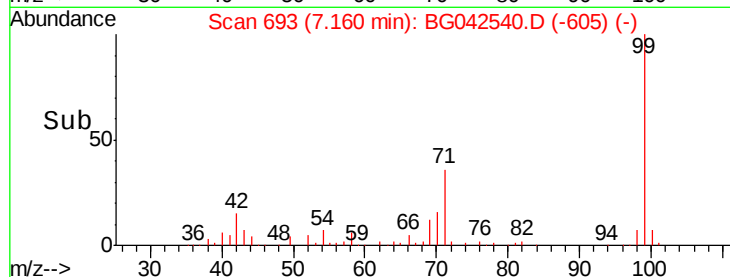
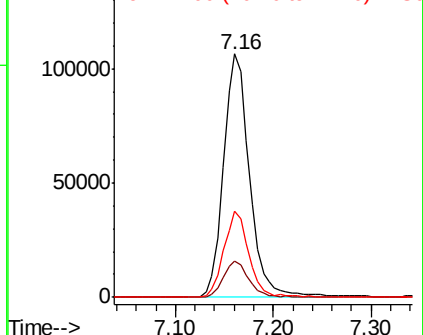
99 100

42 14.8 12.0 18.0

71 35.5 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: 2.914 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042540.D

Acq: 28 Aug 2019 19:57

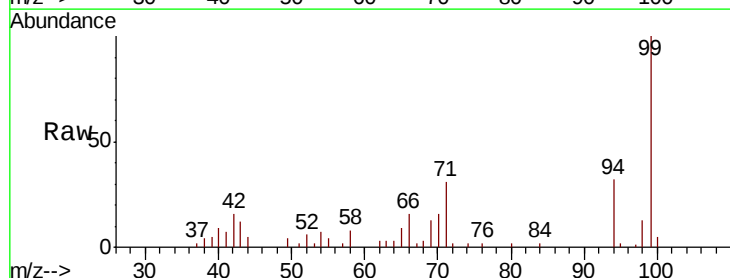
Tgt Ion: 94 Resp: 5698

Ion Ratio Lower Upper

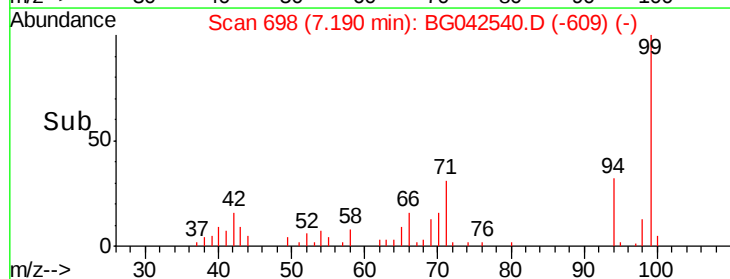
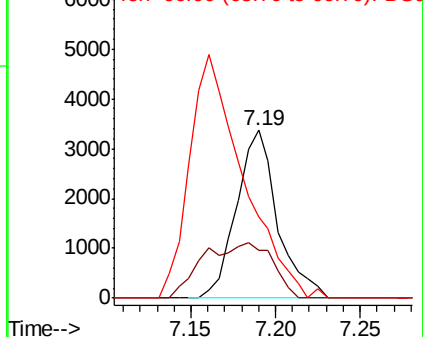
94 100

65 28.5 5.6 45.6

66 48.2 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

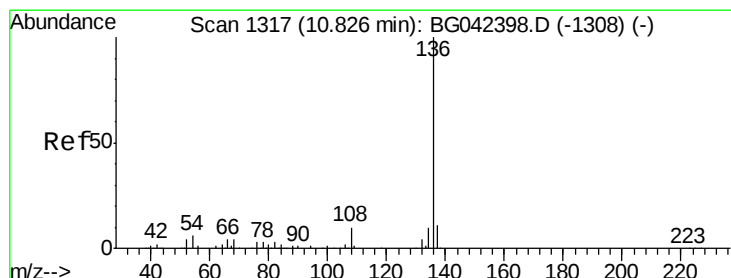
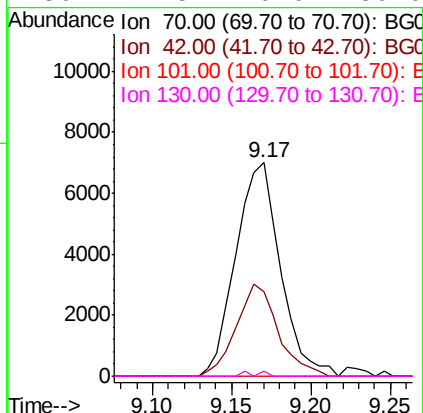
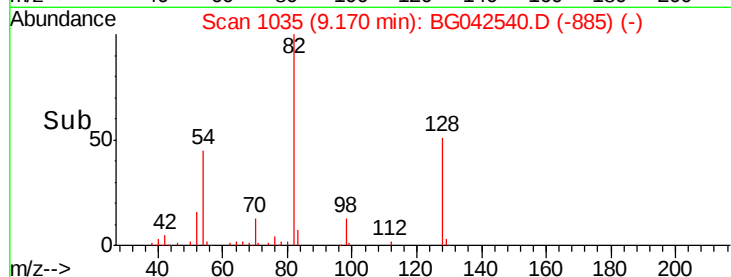
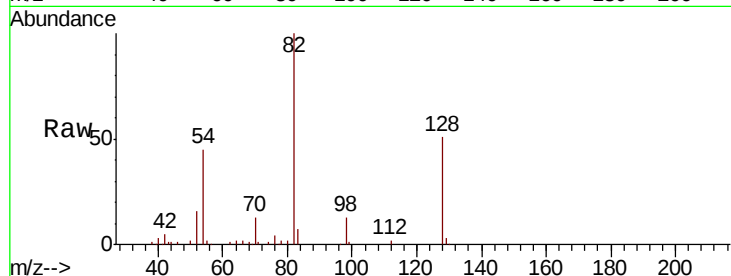




#19
n-Nitroso-di-n-propylamine
Concen: 10.976 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042540.D
Acq: 28 Aug 2019 19:57

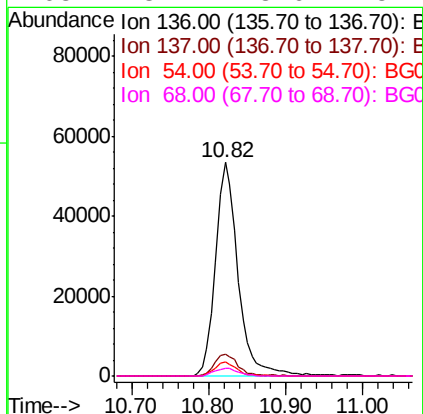
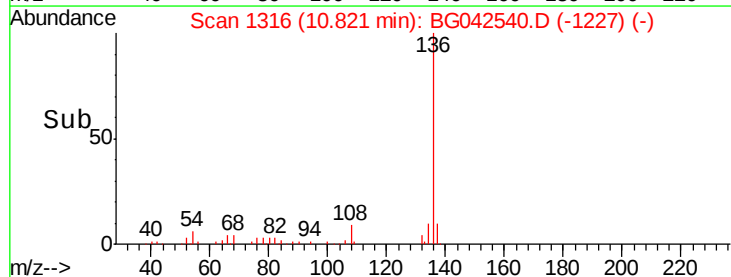
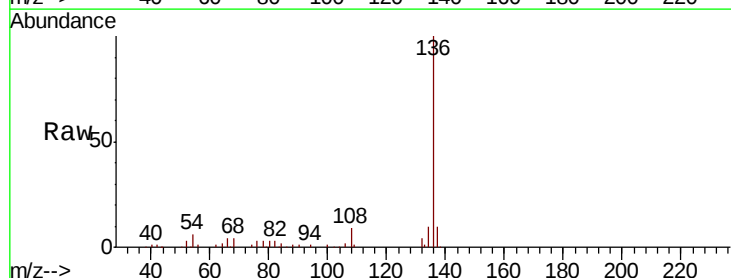
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 13674
Ion Ratio Lower Upper
70 100
42 39.6 38.8 58.2
101 0.0 9.0 13.6#
130 2.5 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042540.D
Acq: 28 Aug 2019 19:57

Tgt Ion: 136 Resp: 108165
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 6.5 4.9 7.3
68 3.7 3.6 5.4





#23

Nitrobenzene-d5

Concen: 69.391 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG042540.D

Acq: 28 Aug 2019 19:57

Instrument :

BNA_G

ClientSampleId :

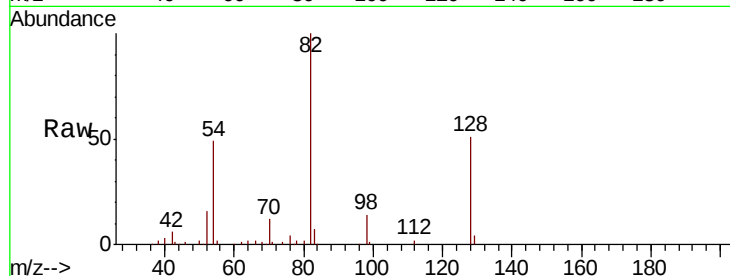
Tot Ion: 82 Resp: 108614

Ion Ratio Lower Upper

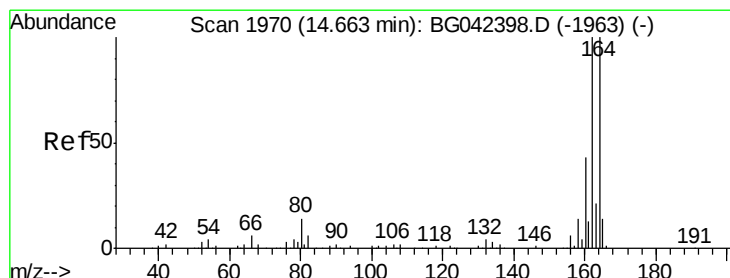
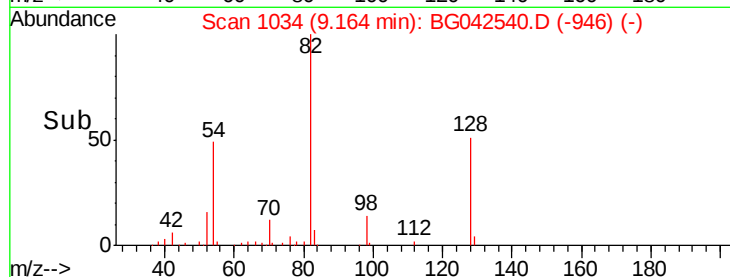
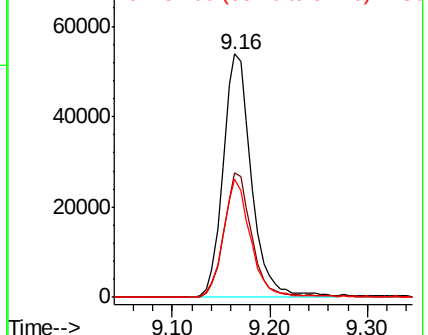
82 100

128 51.1 40.7 61.1

54 48.7 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. -0.01 min

Lab File: BG042540.D

Acq: 28 Aug 2019 19:57

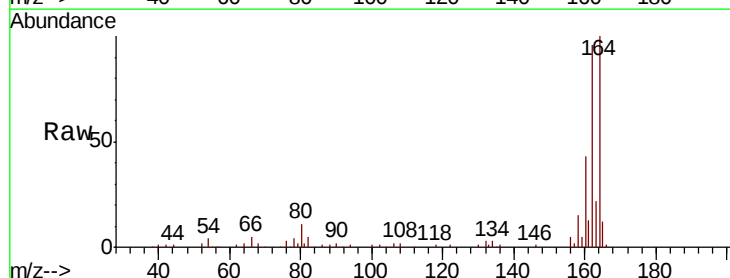
Tgt Ion:164 Resp: 87962

Ion Ratio Lower Upper

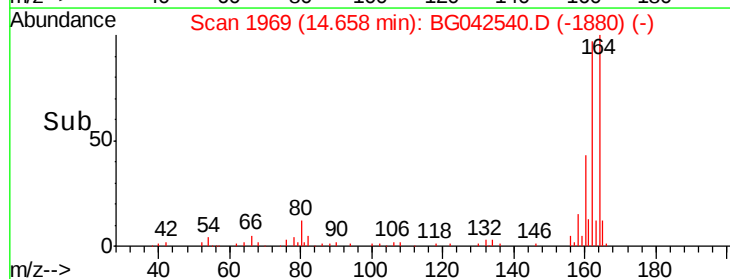
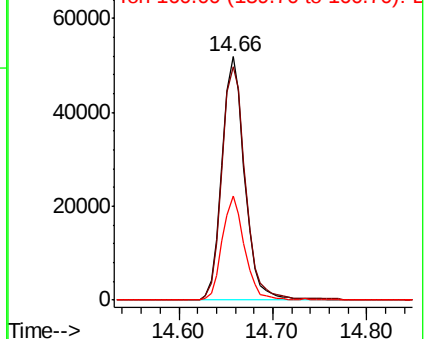
164 100

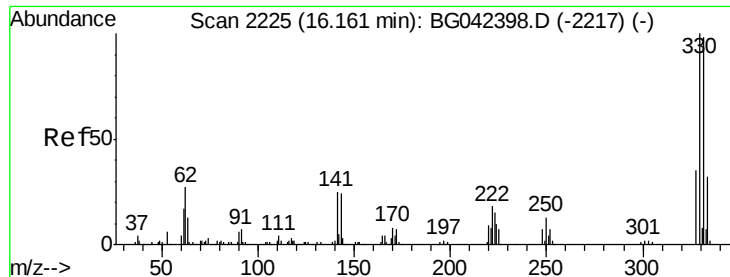
162 95.8 79.9 119.9

160 43.0 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

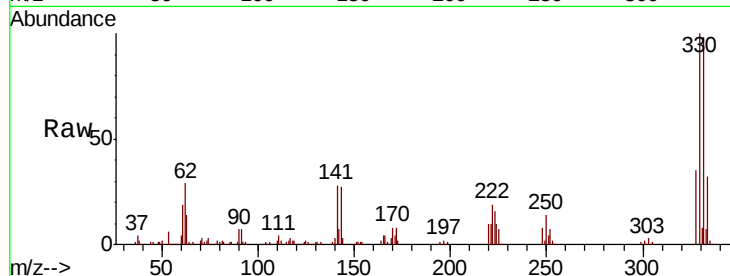




#42
 2,4,6-Tribromophenol
 Concen: 128.465 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042540.D
 Acq: 28 Aug 2019 19:57

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	330	332	141
Resp:	160611		
Ratio	100	96.8	27.3
Lower		77.4	21.4
Upper		116.0	32.0

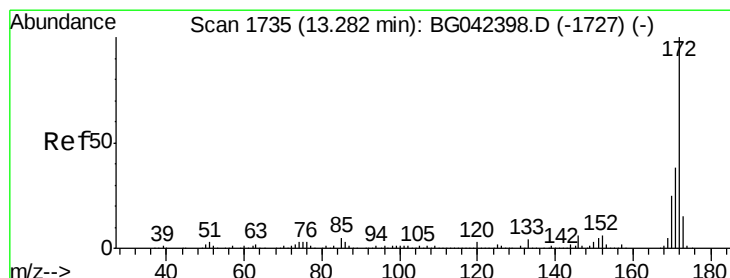
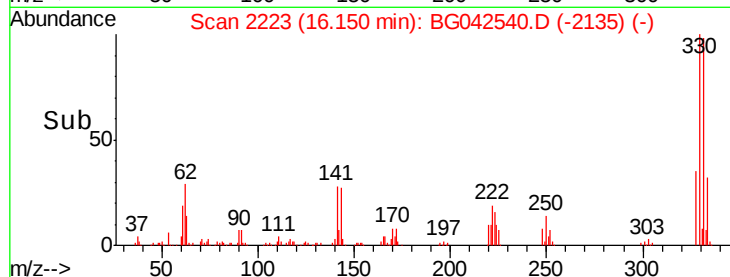
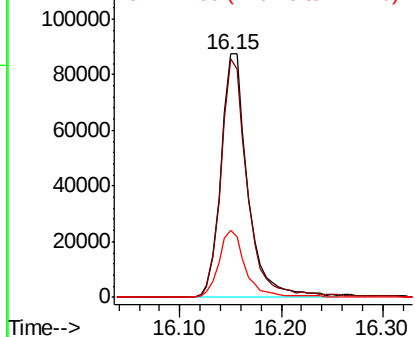


Abundance

Ion 329.80 (329.50 to 330.50): E

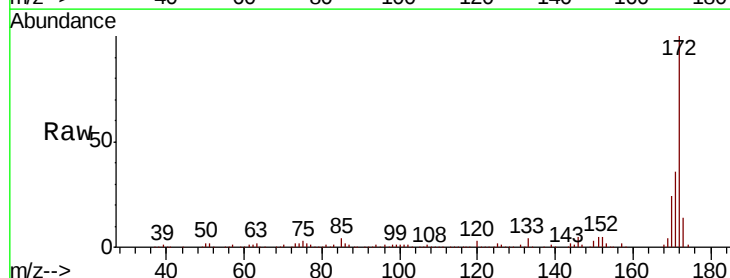
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 67.212 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042540.D
 Acq: 28 Aug 2019 19:57

Tgt Ion	172	171	170
Resp:	349561		
Ratio	100	36.2	24.3
Lower		30.5	20.2
Upper		45.7	30.2

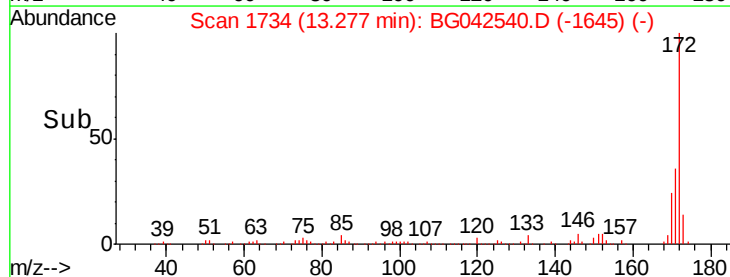
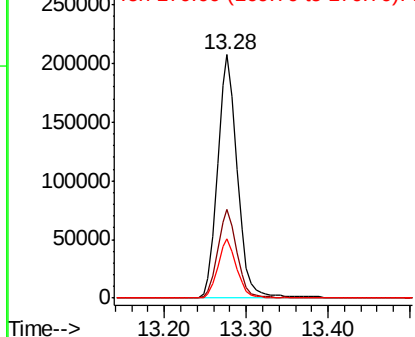


Abundance

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





#50

Dimethylphthalate

Concen: 6.157 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042540.D

Acq: 28 Aug 2019 19:57

Instrument :

BNA_G

ClientSampled :

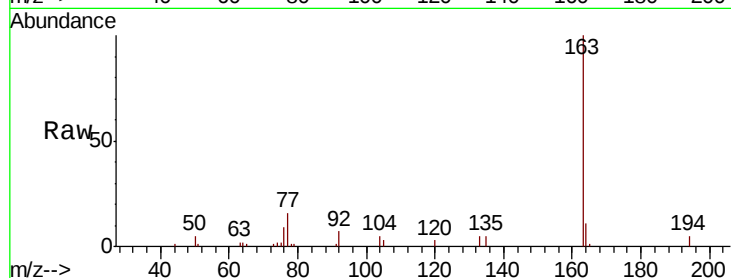
Tot Ion:163 Resp: 39079

Ion Ratio Lower Upper

163 100

194 5.4 4.2 6.2

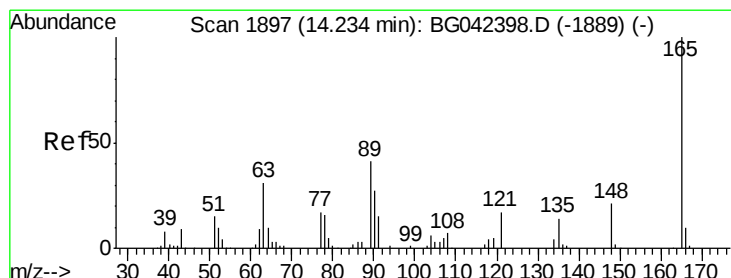
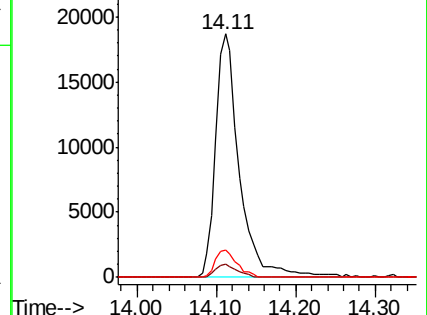
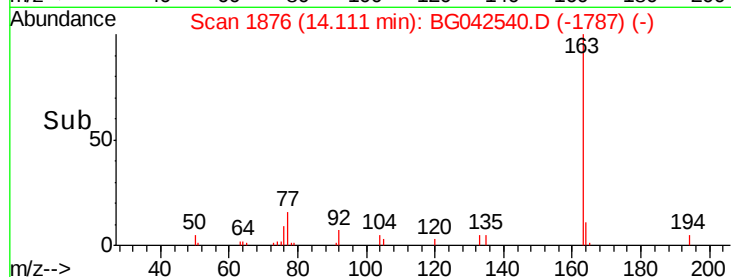
164 11.2 8.8 13.2



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



#51

2,6-Dinitrotoluene

Concen: 7.515 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042540.D

Acq: 28 Aug 2019 19:57

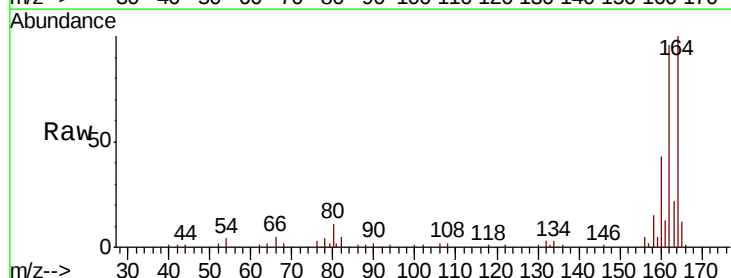
Tgt Ion:165 Resp: 11055

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

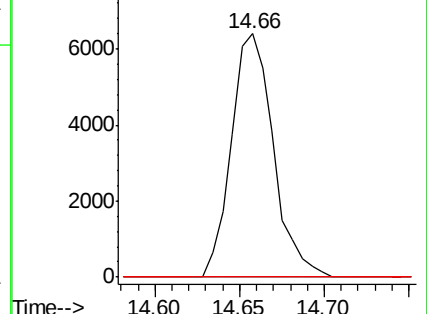
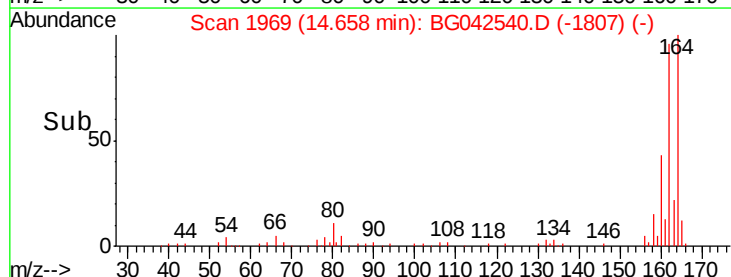
89 0.0 32.6 49.0#

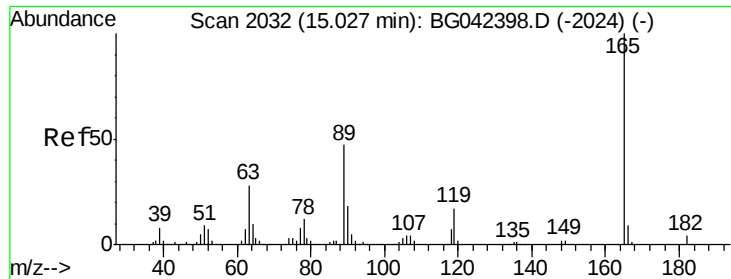


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

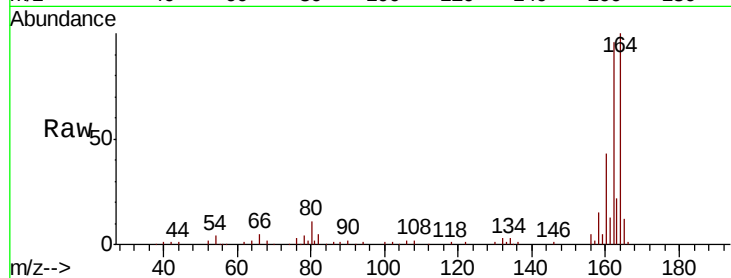




#57
 2,4-Dinitrotoluene
 Concen: 5.248 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042540.D
 Acq: 28 Aug 2019 19:57

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

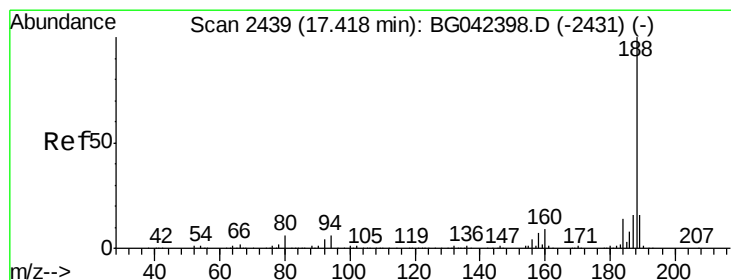
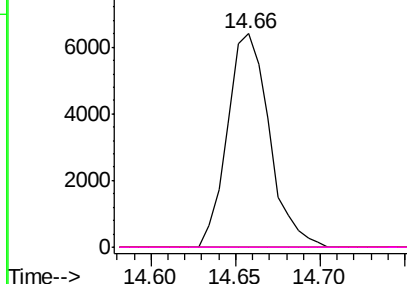
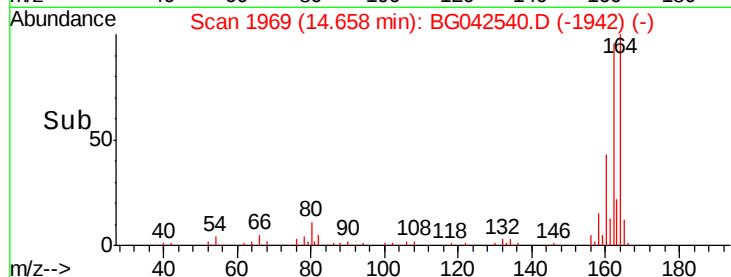


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

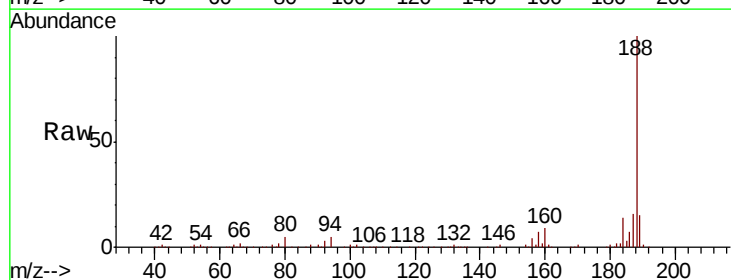
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042540.D
 Acq: 28 Aug 2019 19:57

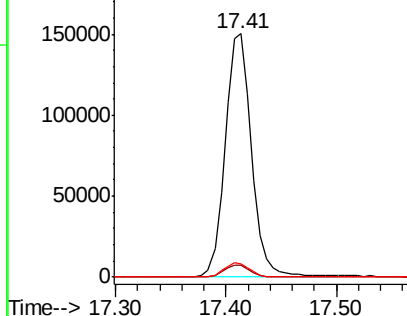
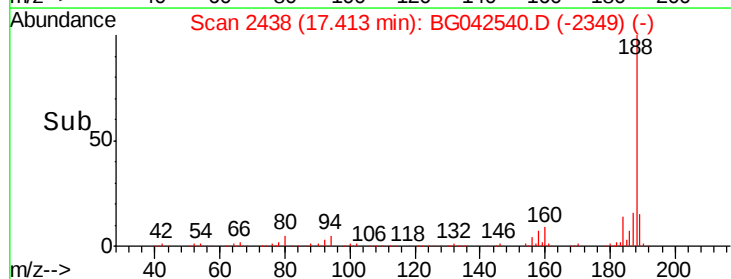
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.0	4.5	6.7
80	5.3	4.9	7.3

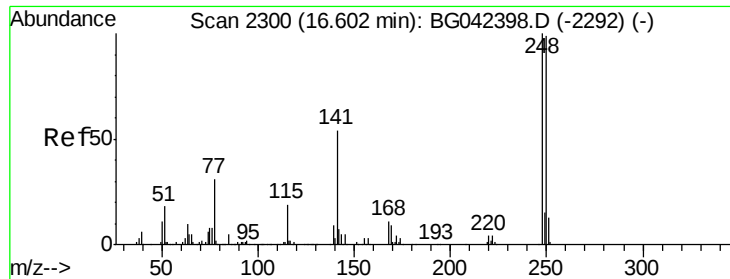


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

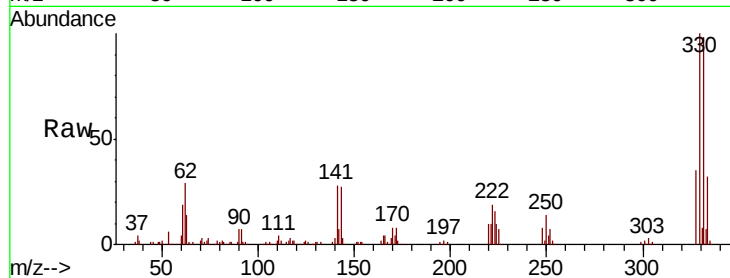




#67
 4-Bromophenyl-phenylether
 Concen: 3.485 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042540.D
 Acq: 28 Aug 2019 19:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	191.2	78.9	118.3#
141	366.1	43.3	64.9#

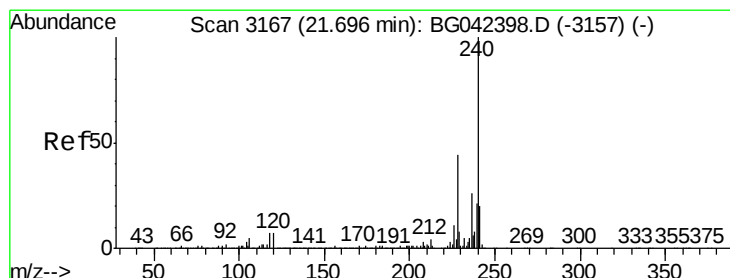
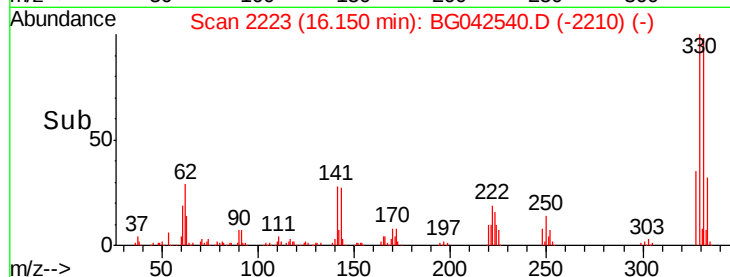
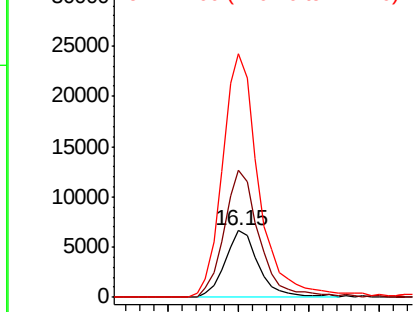


Abundance

Ion 248.00 (247.70 to 248.70): E

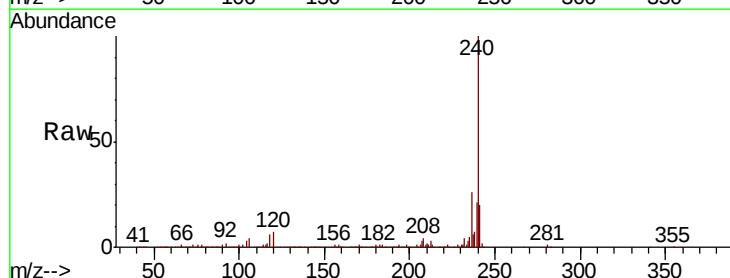
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042540.D
 Acq: 28 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.0	5.7	8.5
236	26.5	21.0	31.4

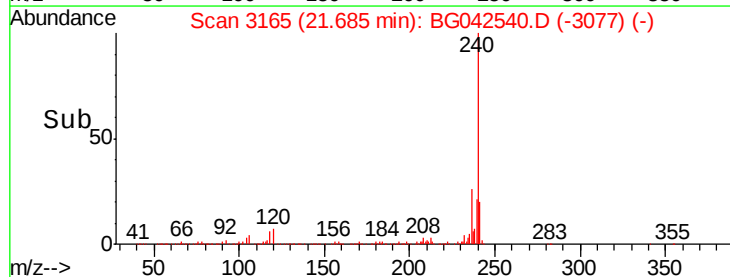
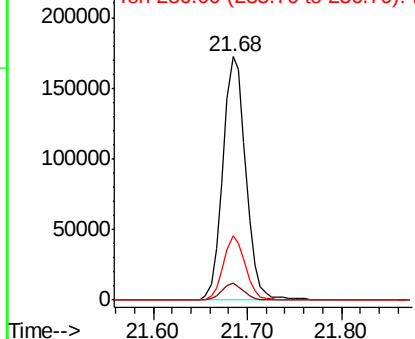


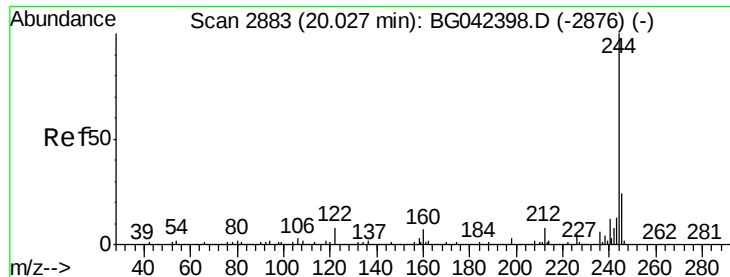
Abundance

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





#79

Terphenyl-d14

Concen: 64.316 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042540.D

Acq: 28 Aug 2019 19:57

Instrument :

BNA_G

ClientSampled :

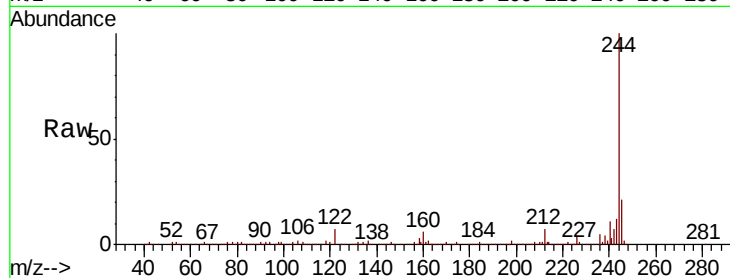
Tot Ion:244 Resp: 871329

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

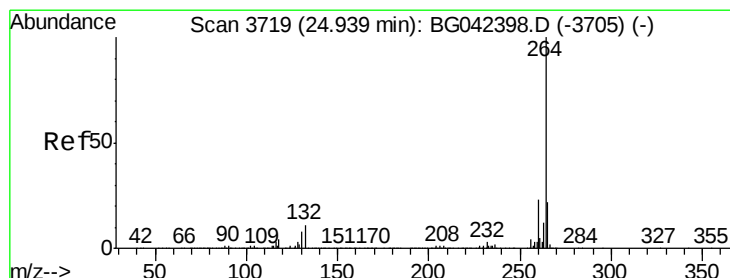
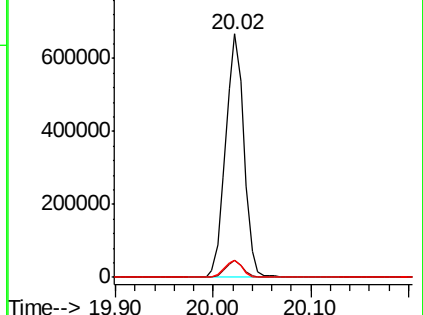
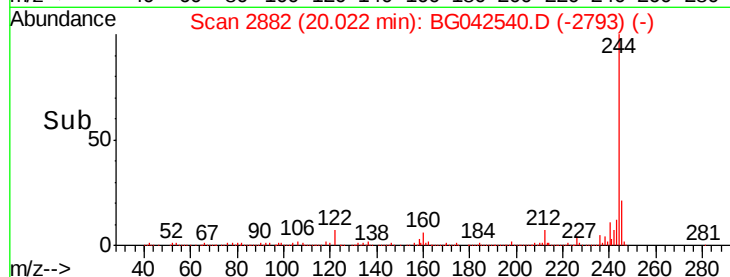
122 7.0 6.7 10.1



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: 24.93 min Scan# 3718

Delta R.T. -0.01 min

Lab File: BG042540.D

Acq: 28 Aug 2019 19:57

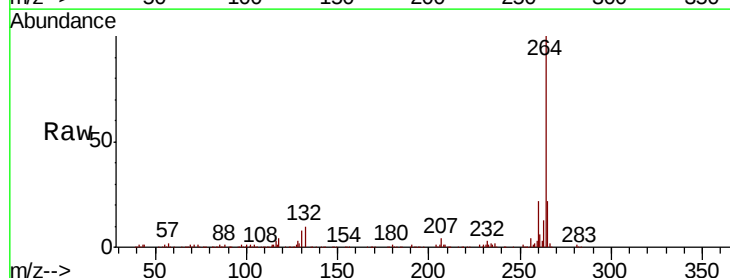
Tgt Ion:264 Resp: 344277

Ion Ratio Lower Upper

264 100

260 22.3 18.5 27.7

265 21.7 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

