

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
 Data File : BG042671.D
 Acq On : 1 Sep 2019 21:10
 Operator : HP/JU
 Sample : K4554-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 07:30:10 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

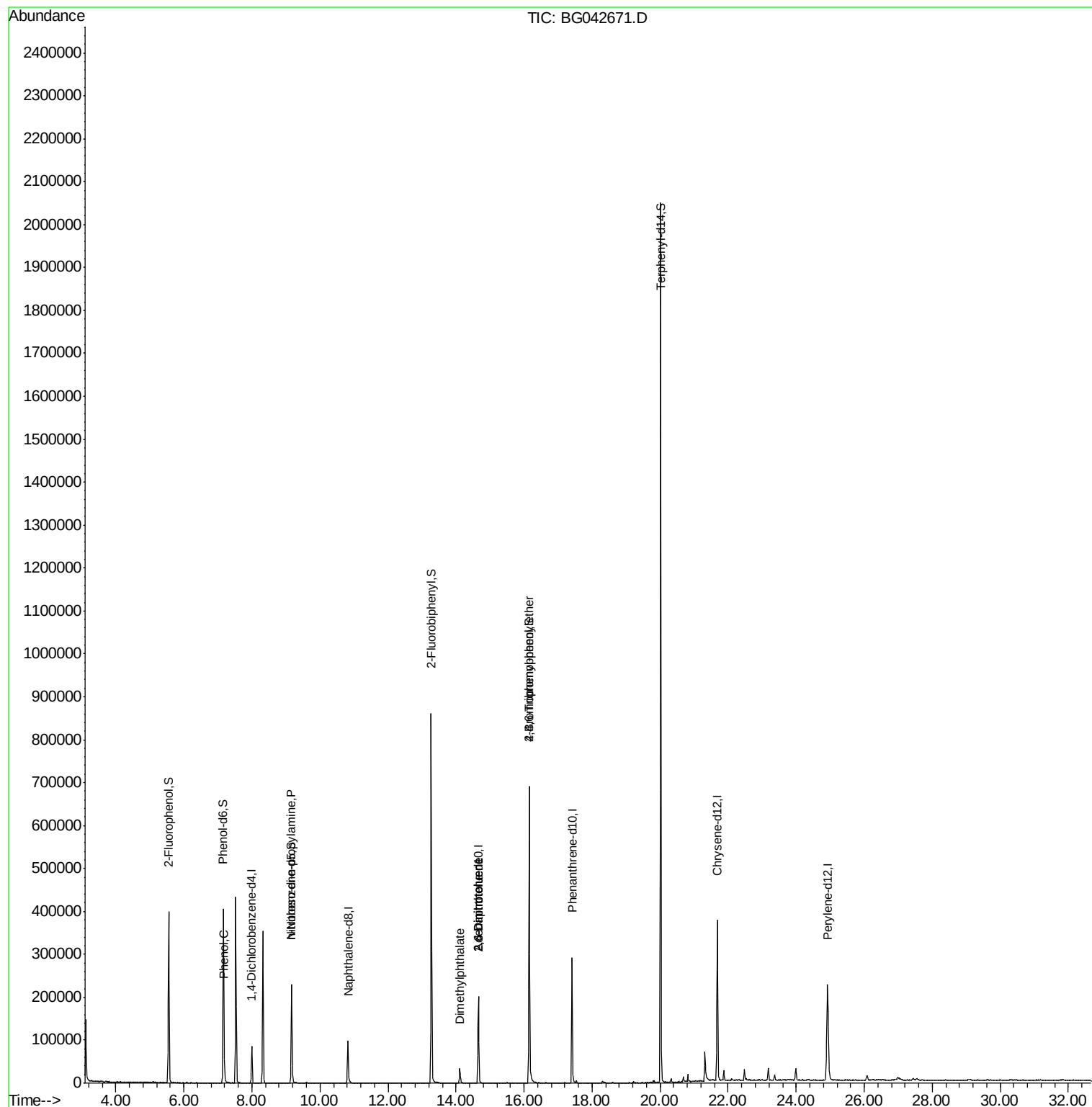
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	30032	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	113710	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	89571	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	223893	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	253277	20.00	ng	-0.02
87) Perylene-d12	24.92	264	295843	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	200488	135.20	ng	-0.01
7) Phenol-d6	7.16	99	264546	132.08	ng	-0.01
23) Nitrobenzene-d5	9.16	82	149805	91.04	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	191351	150.30	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	534194	100.87	ng	-0.01
79) Terphenyl-d14	20.02	244	1117611	95.40	ng	-0.01
Target Compounds						
10) Phenol	7.18	94	22079	10.841	ng	89
19) n-Nitroso-di-n-propylamine	9.16	70	19764	15.231	ng	# 74
50) Dimethylphthalate	14.11	163	42786	6.620	ng	97
51) 2,6-Dinitrotoluene	14.65	165	11423	7.625	ng	# 36
57) 2,4-Dinitrotoluene	14.65	165	11423	5.325	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12682	4.466	ng	# 1

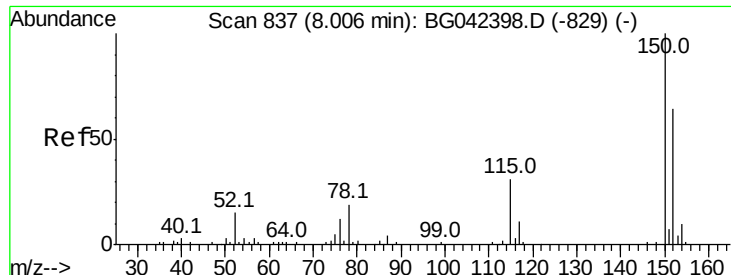
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration



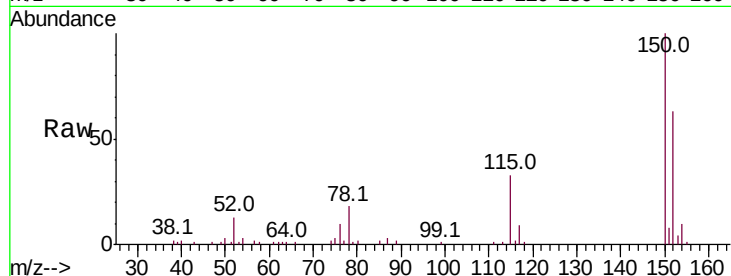


#1

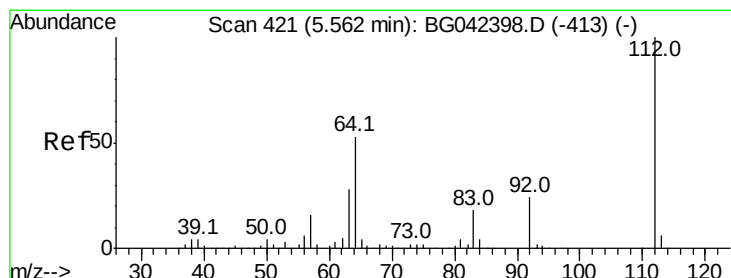
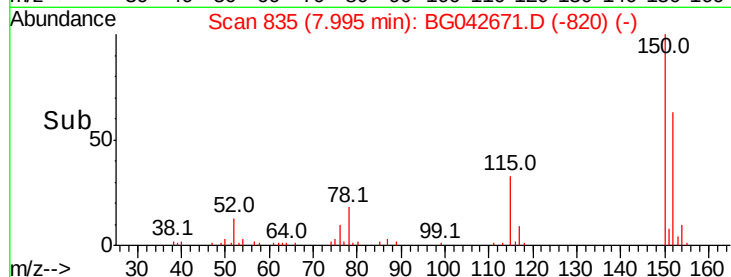
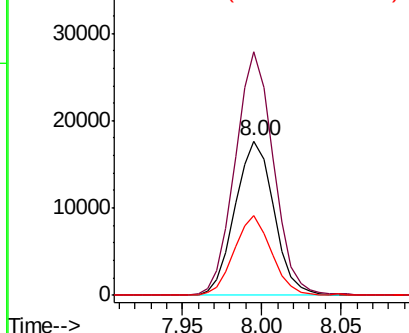
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BG042671.D
 Acq: 1 Sep 2019 21:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 30032
 Ion Ratio Lower Upper
 152 100
 150 157.6 125.4 188.0
 115 51.3 38.5 57.7



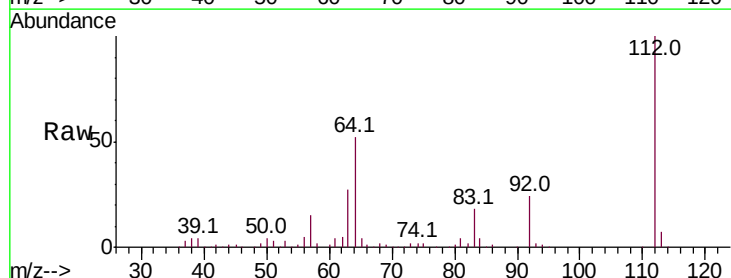
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



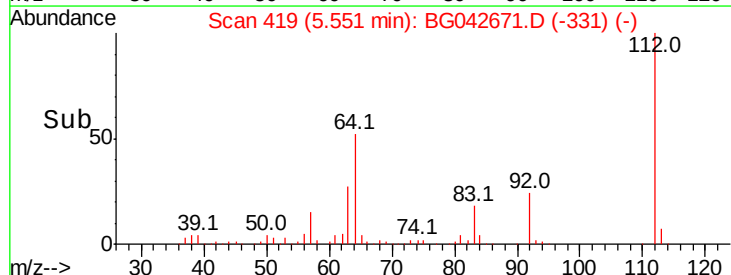
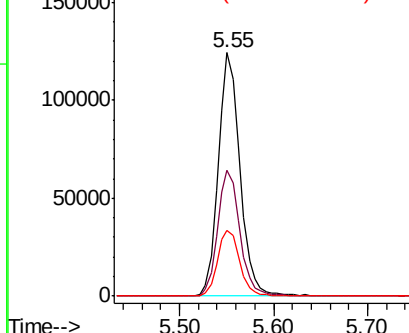
#5

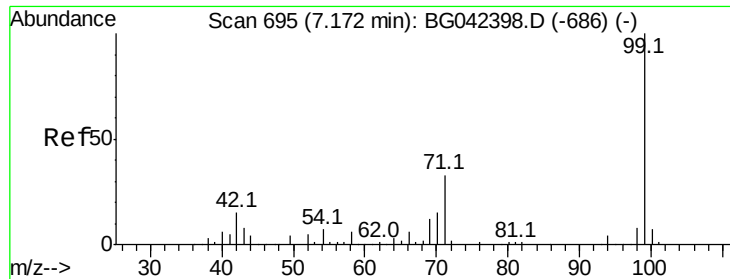
2-Fluorophenol
 Concen: 135.205 ng
 RT: 5.55 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: BG042671.D
 Acq: 1 Sep 2019 21:10

Tgt Ion:112 Resp: 200488
 Ion Ratio Lower Upper
 112 100
 64 51.9 42.8 64.2
 63 27.0 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: 132.075 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042671.D

Acq: 1 Sep 2019 21:10

Instrument :

BNA_G

ClientSampleId :

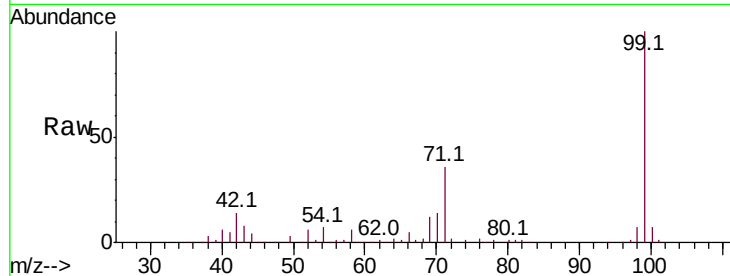
Tot Ion: 99 Resp: 264546

Ion Ratio Lower Upper

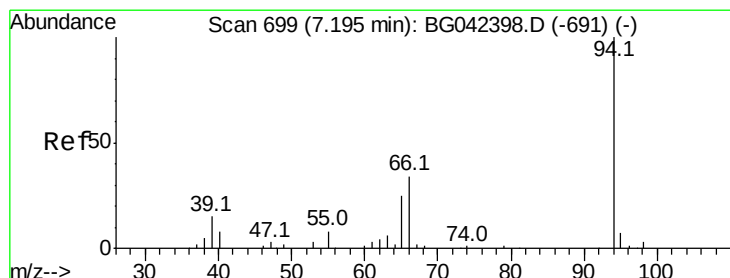
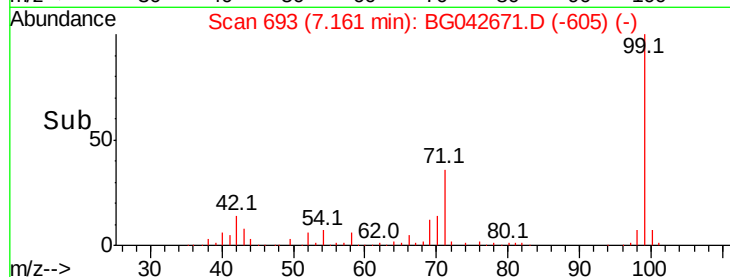
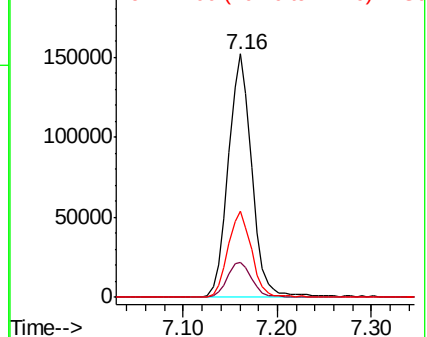
99 100

42 14.4 12.0 18.0

71 35.6 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: 10.841 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG042671.D

Acq: 1 Sep 2019 21:10

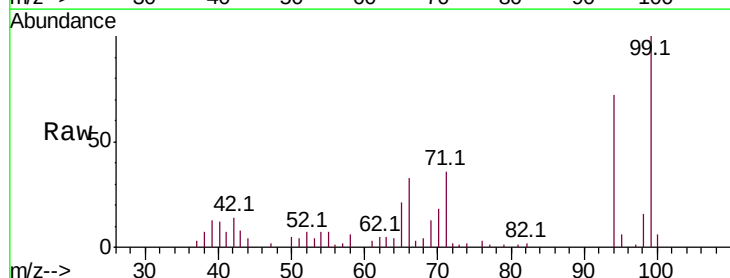
Tgt Ion: 94 Resp: 22079

Ion Ratio Lower Upper

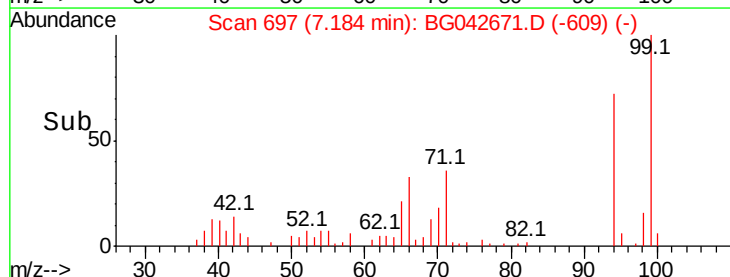
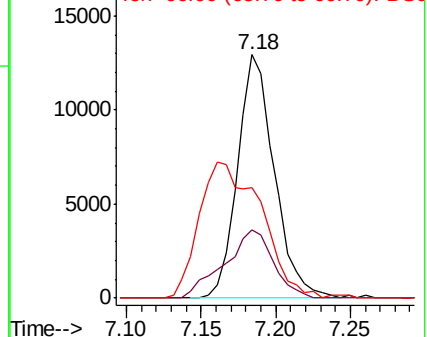
94 100

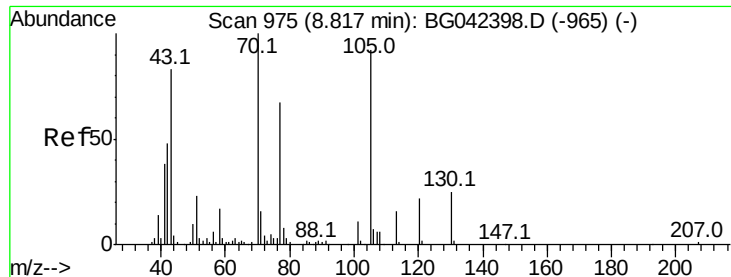
65 28.3 5.6 45.6

66 45.2 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: 15.231 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042671.D

Acq: 1 Sep 2019 21:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 19764

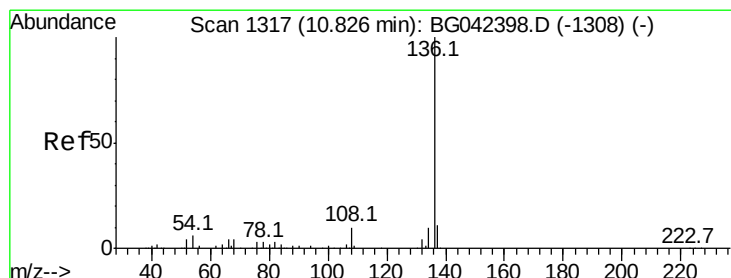
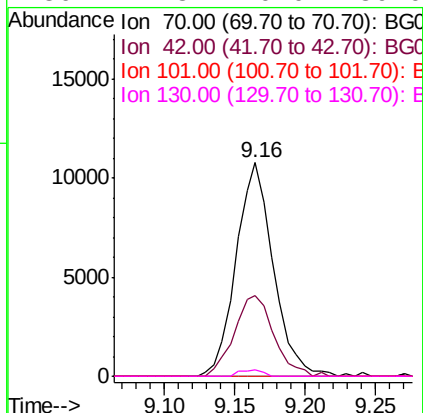
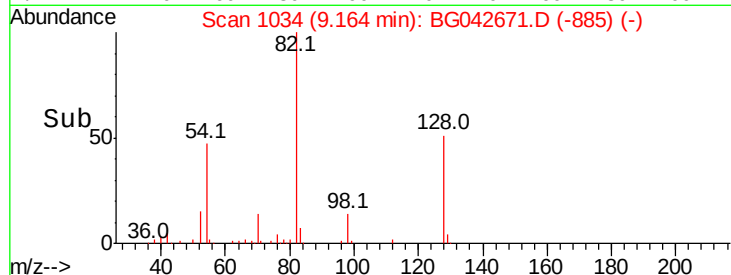
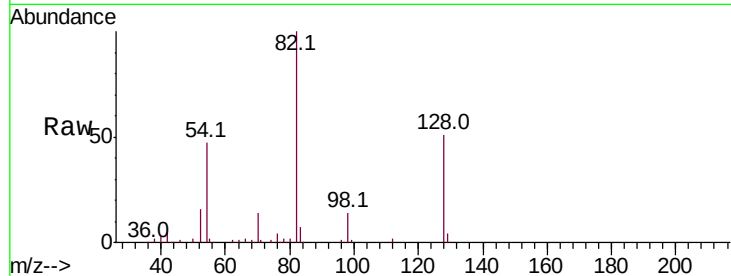
Ion Ratio Lower Upper

70 100

42 38.0 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: BG042671.D

Acq: 1 Sep 2019 21:10

Tgt Ion: 136 Resp: 113710

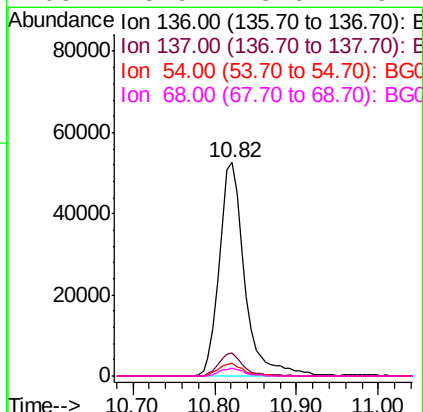
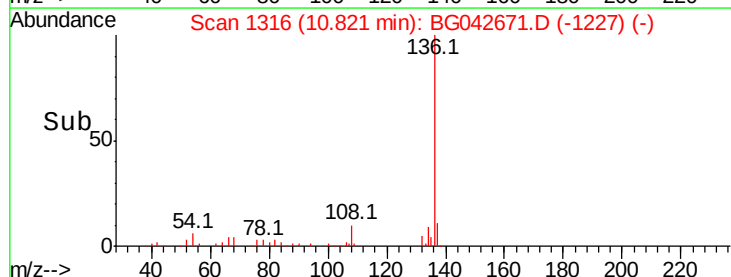
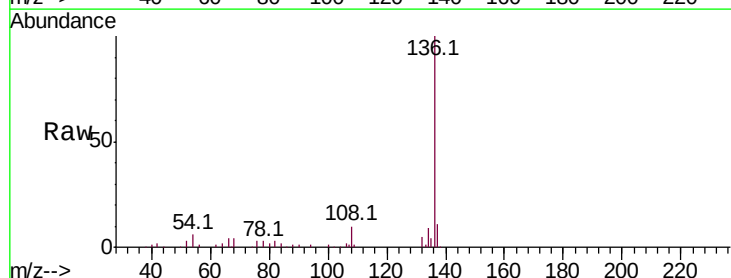
Ion Ratio Lower Upper

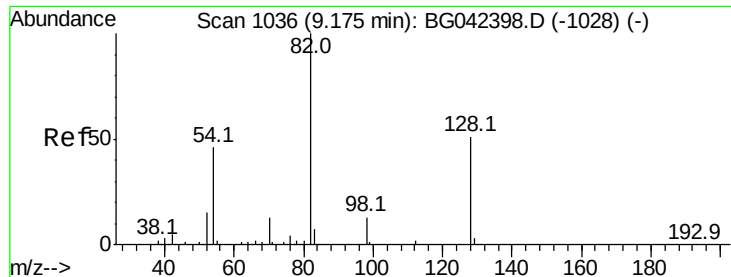
136 100

137 10.8 8.7 13.1

54 5.7 4.9 7.3

68 3.5 3.6 5.4#

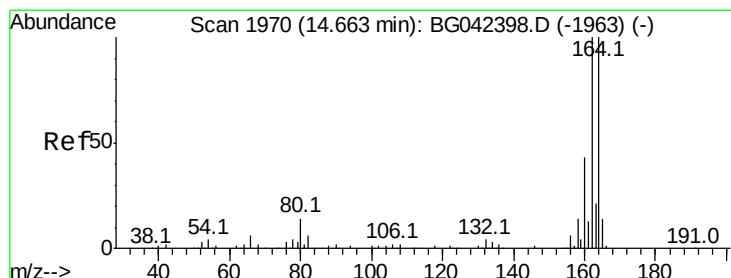
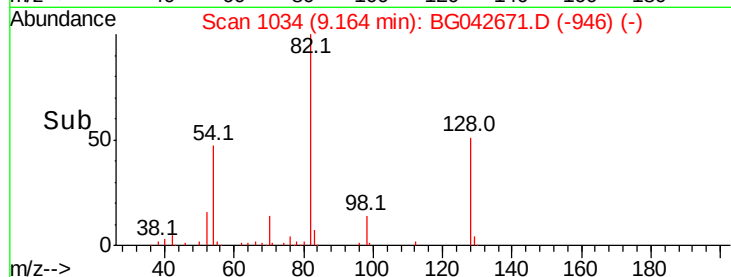
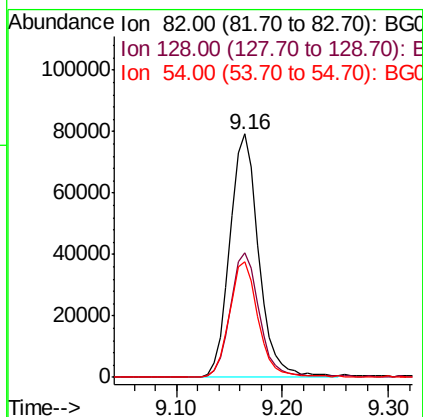
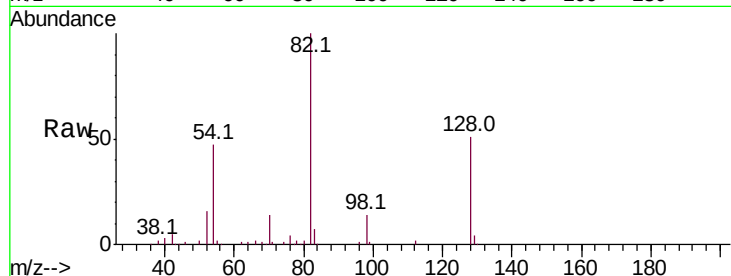




#23
Nitrobenzene-d5
Concen: 91.040 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042671.D
Acq: 1 Sep 2019 21:10

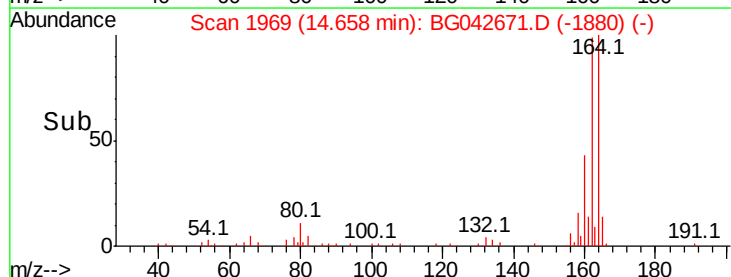
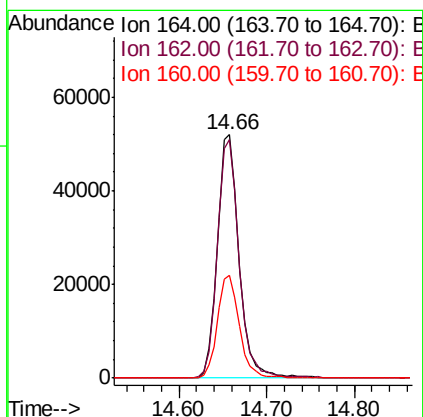
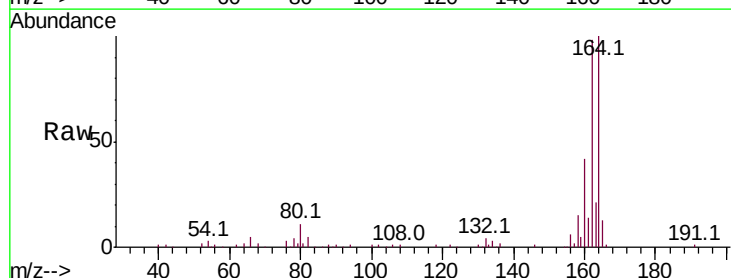
Instrument :
BNA_G
ClientSampled :

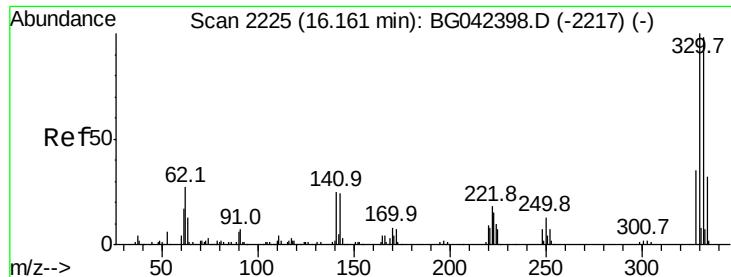
Tot Ion	82	Resp	149805
Ion Ratio	Lower	Upper	
82	100		
128	50.9	40.7	61.1
54	47.4	36.3	54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042671.D
Acq: 1 Sep 2019 21:10

Tgt Ion	164	Resp	89571
Ion Ratio	Lower	Upper	
164	100		
162	98.2	79.9	119.9
160	42.3	34.3	51.5

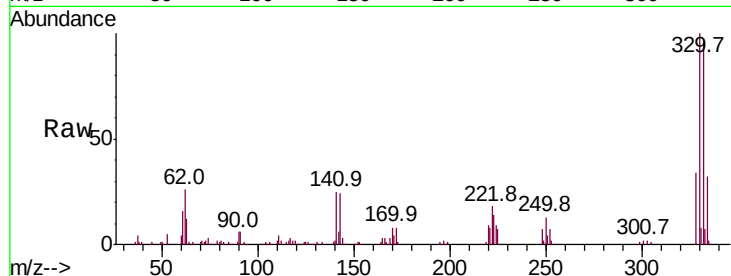




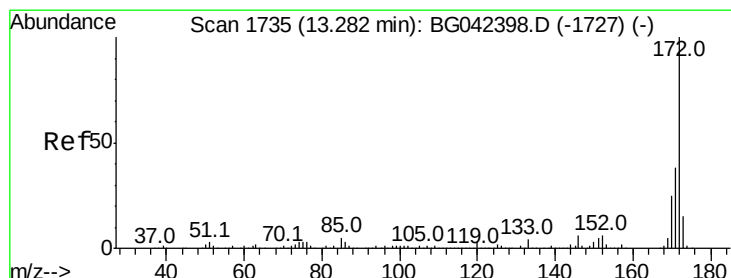
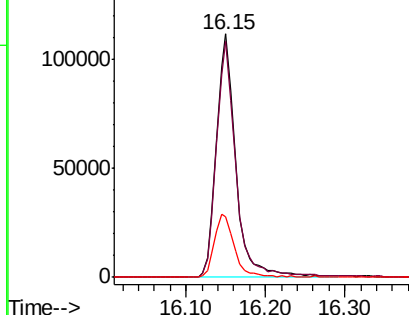
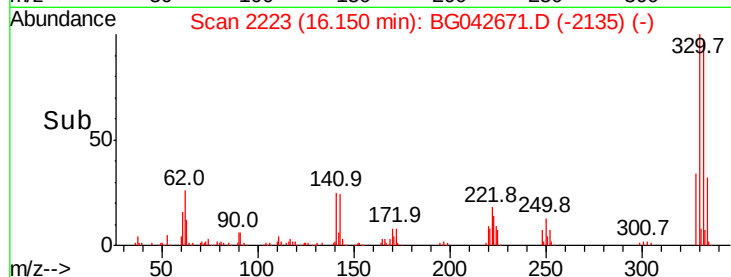
#42
 2,4,6-Tribromophenol
 Concen: 150.303 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042671.D
 Acq: 1 Sep 2019 21:10

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.4	116.0
141	26.7	21.4	32.0

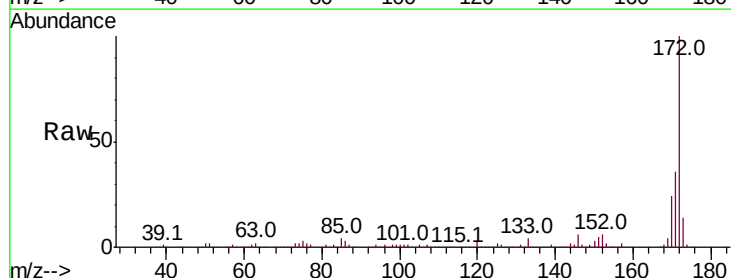


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

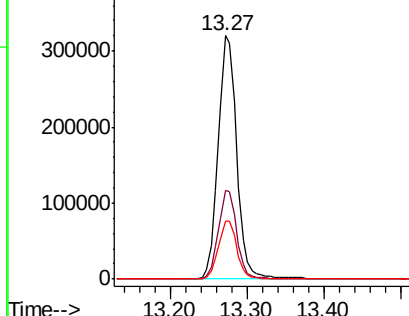
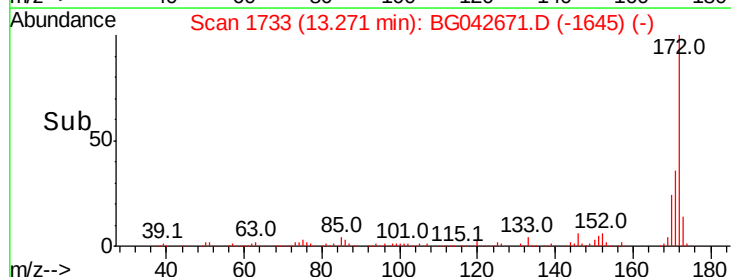


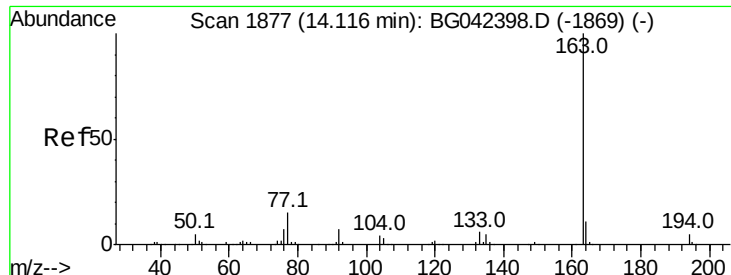
#45
 2-Fluorobiphenyl
 Concen: 100.867 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG042671.D
 Acq: 1 Sep 2019 21:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	23.6	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





#50

Dimethylphthalate

Concen: 6.620 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BG042671.D

Acq: 1 Sep 2019 21:10

Instrument :

BNA_G

ClientSampled :

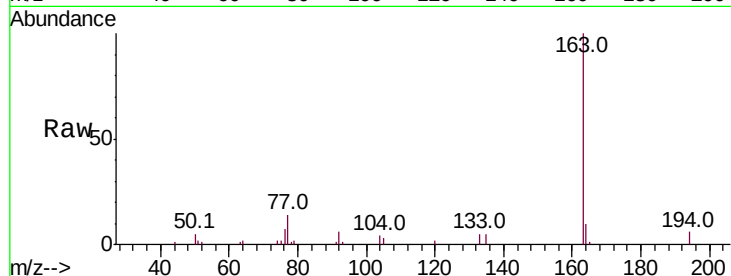
Tot Ion:163 Resp: 42786

Ion Ratio Lower Upper

163 100

194 5.9 4.2 6.2

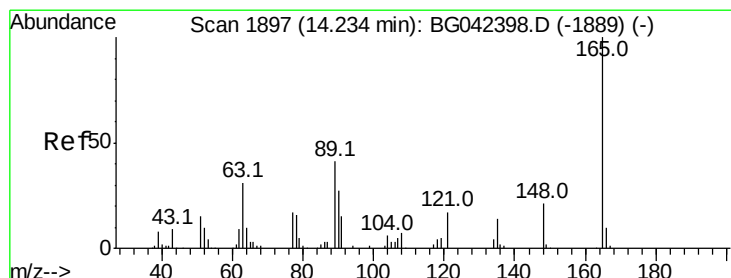
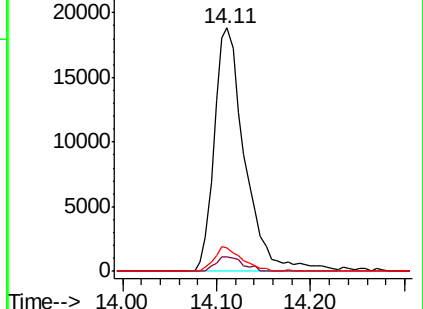
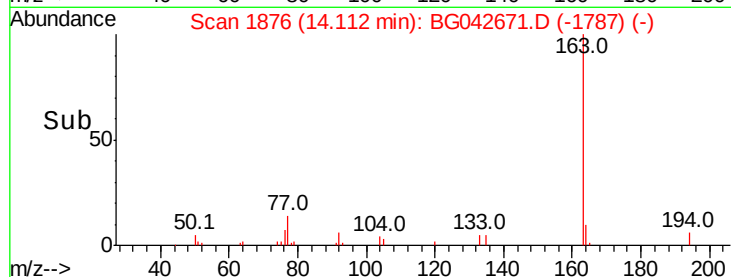
164 9.6 8.8 13.2



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: 7.625 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.42 min

Lab File: BG042671.D

Acq: 1 Sep 2019 21:10

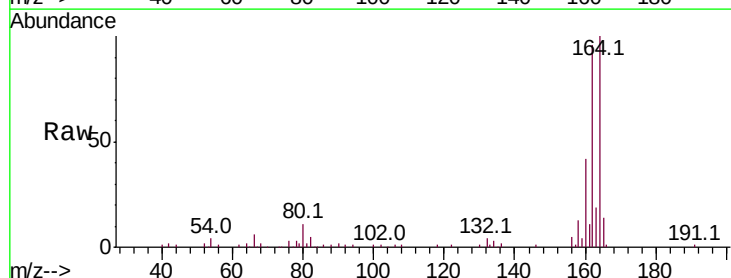
Tgt Ion:165 Resp: 11423

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

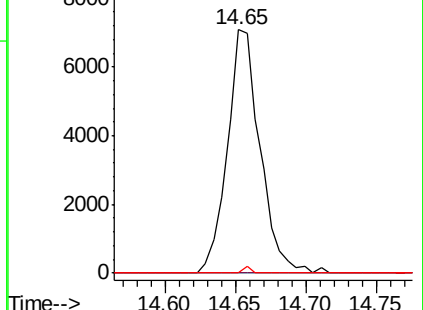
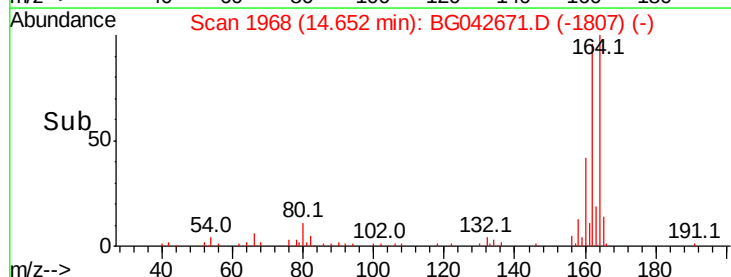
89 0.0 32.6 49.0#

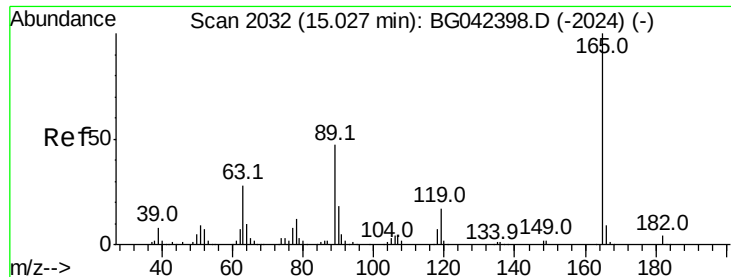


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#57

2,4-Dinitrotoluene

Concen: 5.325 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.38 min

Lab File: BG042671.D

Acq: 1 Sep 2019 21:10

Instrument :

BNA_G

ClientSampled :

Tot Ion:165 Resp: 11423

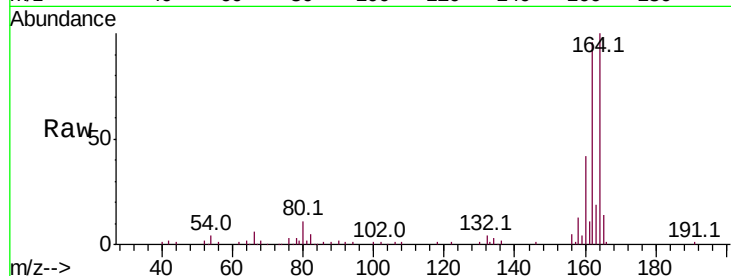
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 0.0 37.8 56.6#

182 0.0 3.0 4.4#

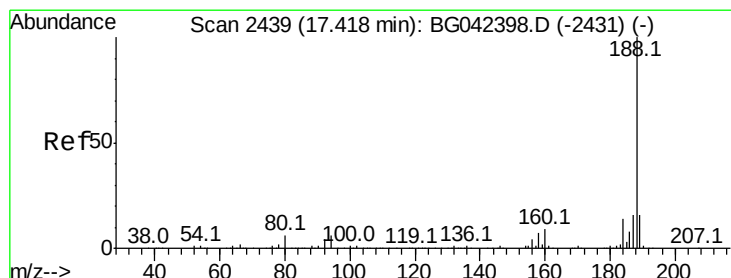
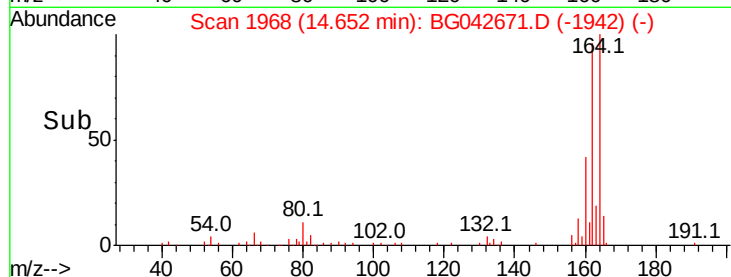
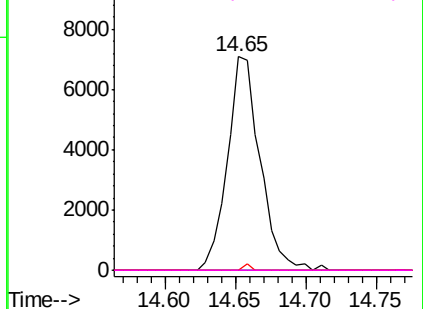


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042671.D

Acq: 1 Sep 2019 21:10

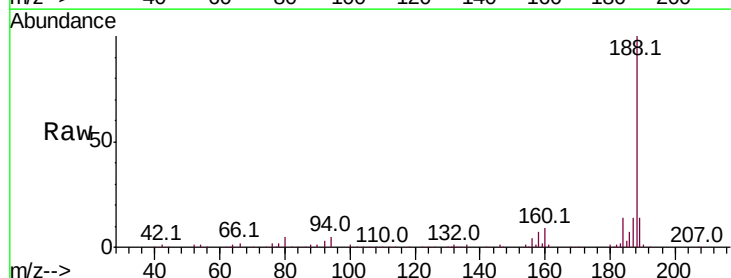
Tgt Ion:188 Resp: 223893

Ion Ratio Lower Upper

188 100

94 4.7 4.5 6.7

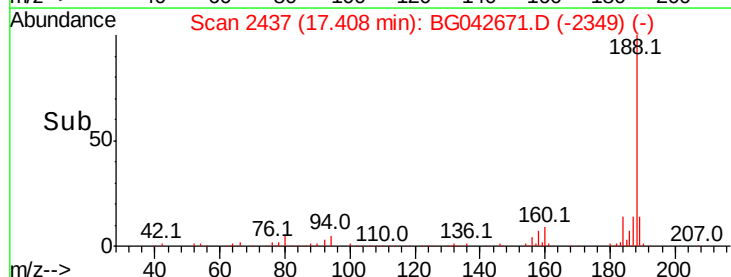
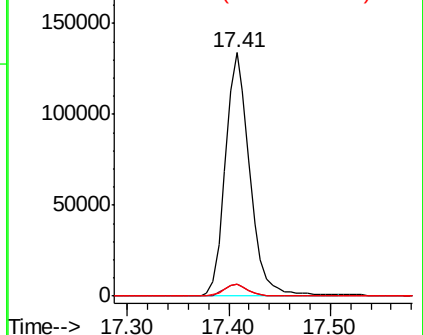
80 5.2 4.9 7.3

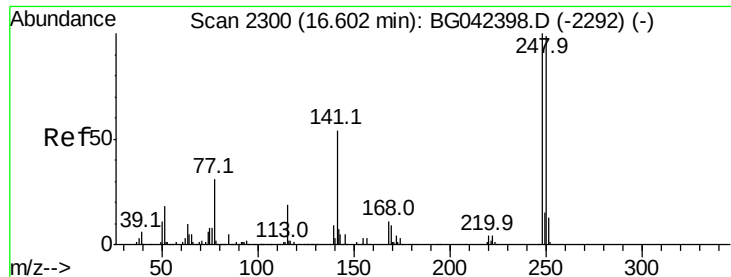


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

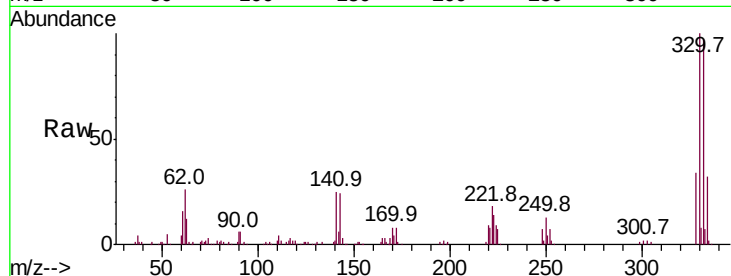




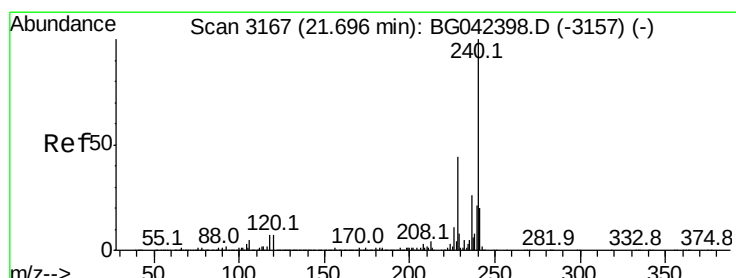
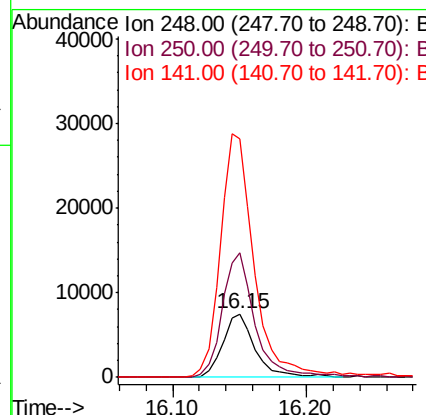
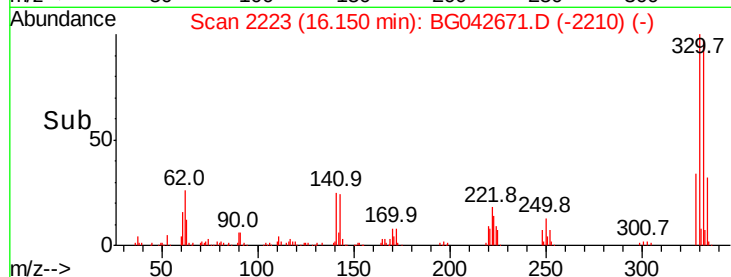
#67
 4-Bromophenyl-phenylether
 Concen: 4.466 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042671.D
 Acq: 1 Sep 2019 21:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12682
 Ion Ratio Lower Upper
 248 100
 250 148.9 78.9 118.3#
 141 285.7 43.3 64.9#

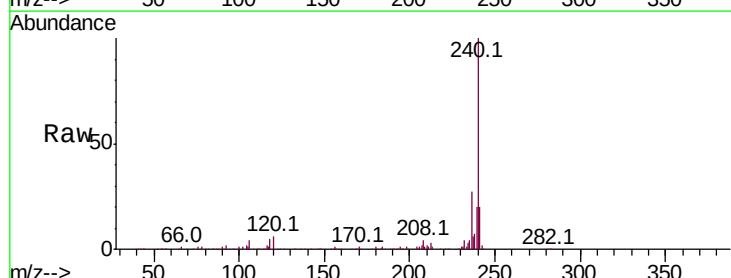


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

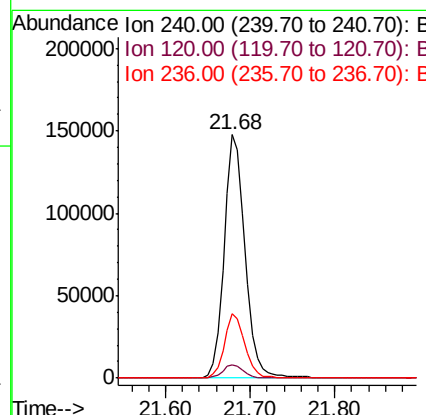
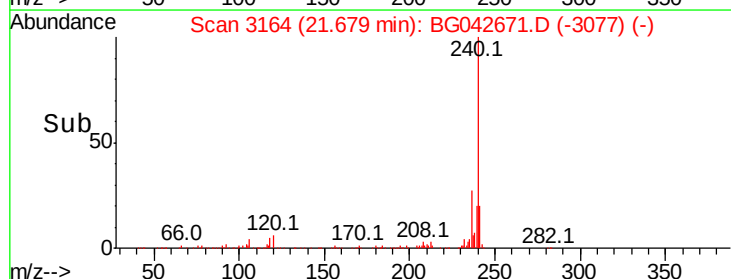


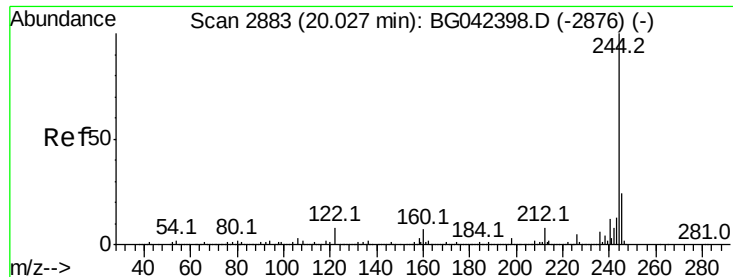
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.02 min
 Lab File: BG042671.D
 Acq: 1 Sep 2019 21:10

Tgt Ion:240 Resp: 253277
 Ion Ratio Lower Upper
 240 100
 120 5.6 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: 95.397 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042671.D

Acq: 1 Sep 2019 21:10

Instrument :

BNA_G

ClientSampleId :

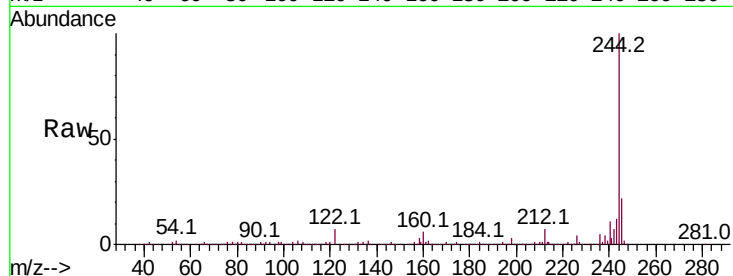
Tot Ion:244 Resp: 1117611

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

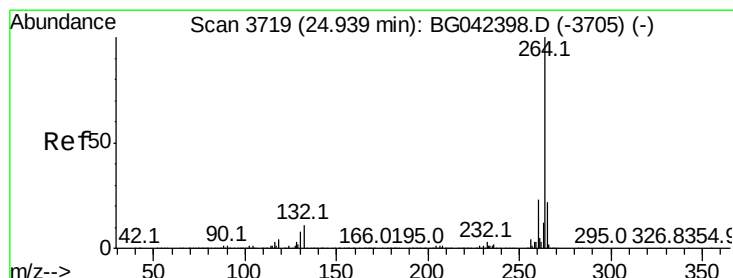
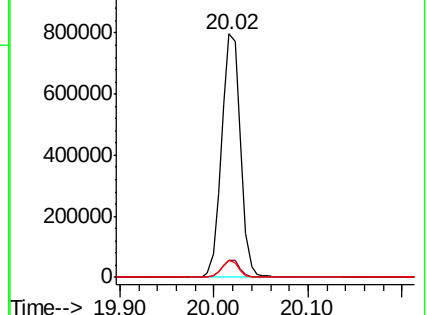
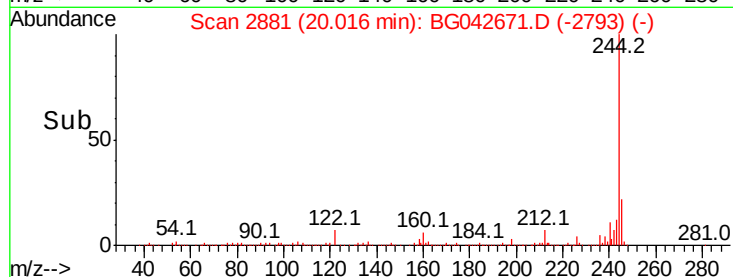
122 7.1 6.7 10.1



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# 3716

Delta R.T. -0.02 min

Lab File: BG042671.D

Acq: 1 Sep 2019 21:10

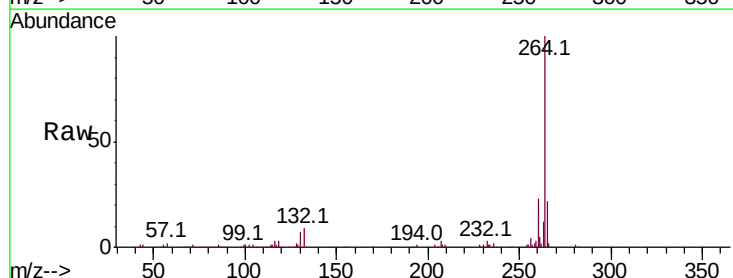
Tgt Ion:264 Resp: 295843

Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

265 21.5 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

