

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040629.D
 Acq On : 26 Apr 2019 14:57
 Operator : JU/SJ
 Sample : K2582-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0419-S-DH-6-B

Quant Time: Apr 27 02:02:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

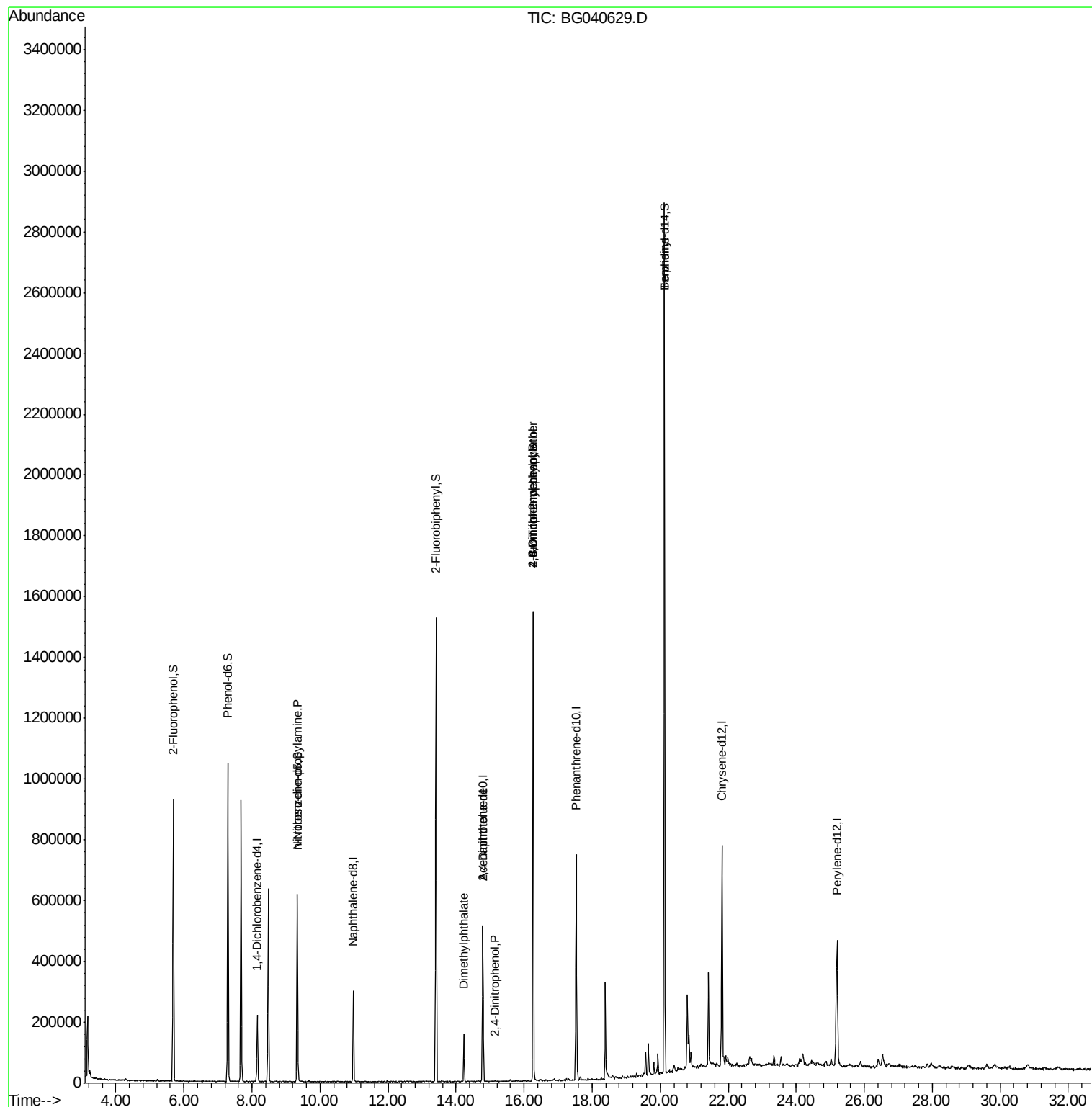
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	53262	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	229651	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	167102	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	424848	20.00	ng	0.00
76) Chrysene-d12	21.82	240	409339	20.00	ng	0.00
87) Perylene-d12	25.20	264	438756	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	320640	106.12	ng	0.00
7) Phenol-d6	7.29	99	503487	108.22	ng	0.00
23) Nitrobenzene-d5	9.33	82	350633	70.55	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	257953	112.31	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	707313	61.13	ng	0.00
79) Terphenyl-d14	20.13	244	1260349	68.21	ng	0.00
Target Compounds						
9) Benzaldehyde	7.28	77	1328	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.33	70	52437	12.521	ng	# 76
50) Dimethylphthalate	14.23	163	91550	6.548	ng	# 98
54) 2,4-Dinitrophenol	15.14	184	59	7.050	ng	# 21
57) 2,4-Dinitrotoluene	14.78	165	22187	5.984	ng	# 14
65) 4,6-Dinitro-2-methylphenol	16.27	198	795	7.425	ng	# 60
67) 4-Bromophenyl-phenylether	16.27	248	19220	3.631	ng	# 1
77) Benzydine	20.13	184	24781	2.211	ng	# 94

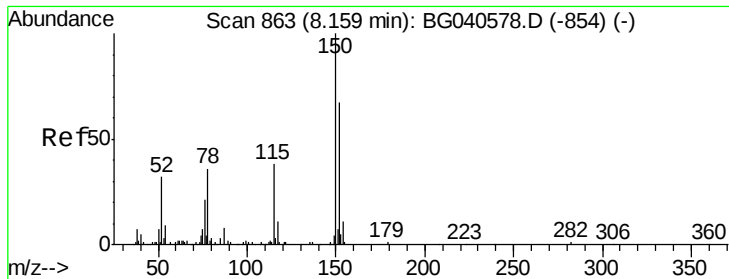
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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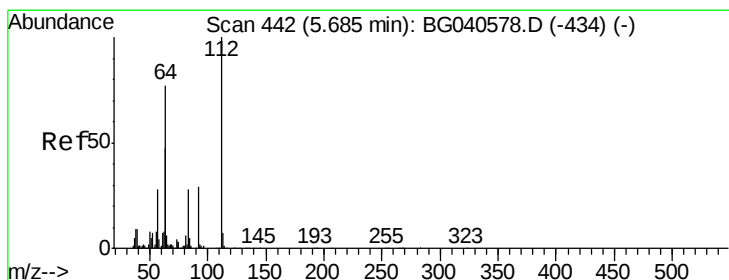
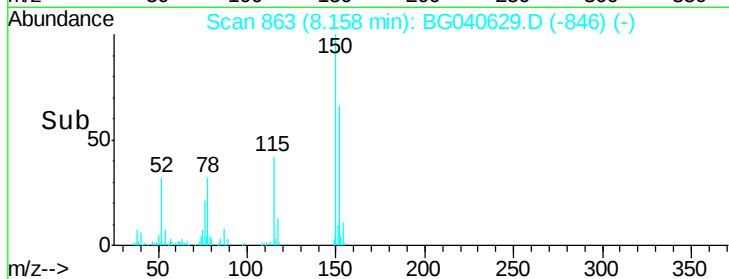
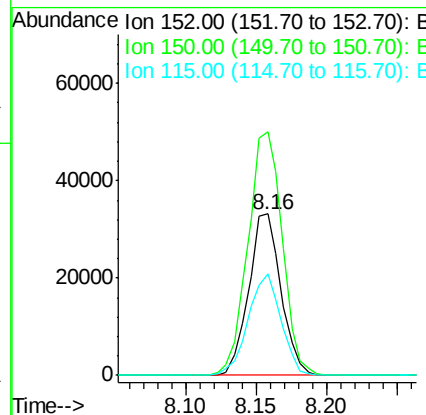
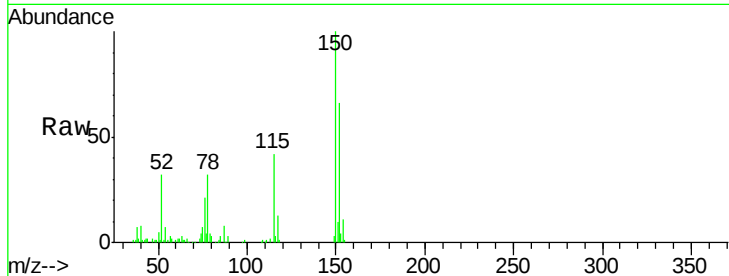


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040629.D
Acq: 26 Apr 2019 14:57

Instrument :
BNA_G
ClientSampleId :
SSSI-0419-S-DH-6-B

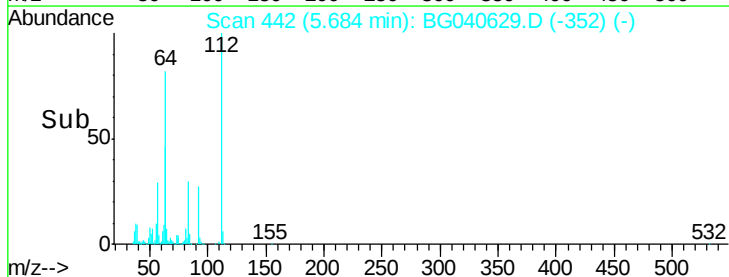
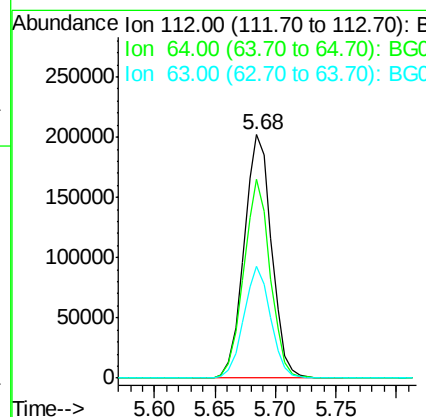
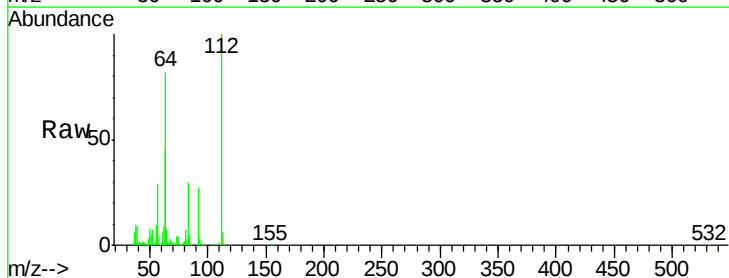
Tot Ion	152	Resp	53262
Ion	Ratio	Lower	Upper
152	100		
150	151.1	120.2	180.2
115	63.1	46.2	69.2



#5

2-Fluorophenol
Concen: 106.119 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040629.D
Acq: 26 Apr 2019 14:57

Tgt Ion	112	Resp	320640
Ion	Ratio	Lower	Upper
112	100		
64	81.8	61.4	92.0
63	45.8	37.8	56.6





#7

Phenol-d6

Concen: 108.224 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG040629.D

Acq: 26 Apr 2019 14:57

Instrument :

BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-B

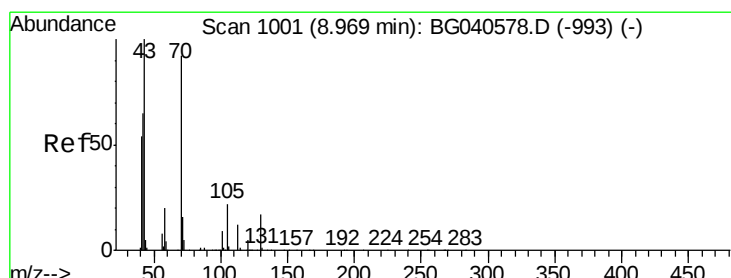
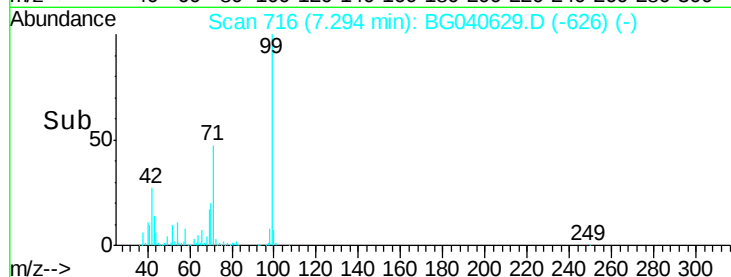
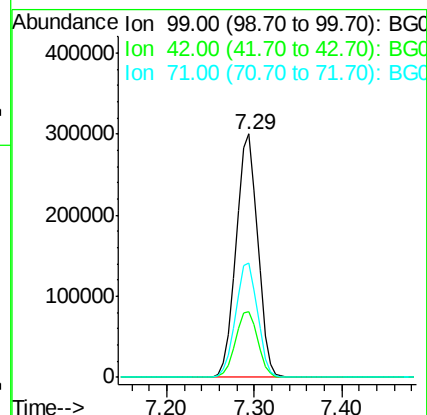
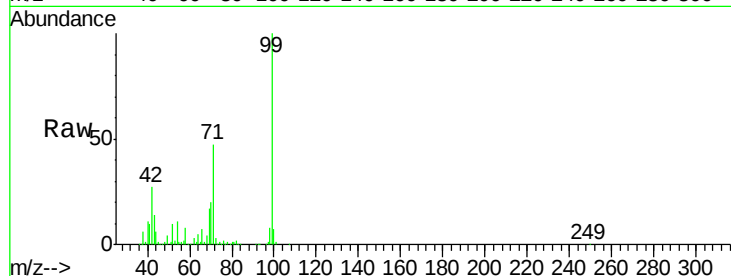
Tot Ion: 99 Resp: 503487

Ion Ratio Lower Upper

99 100

42 27.0 21.8 32.8

71 47.1 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 12.521 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040629.D

Acq: 26 Apr 2019 14:57

Tgt Ion: 70 Resp: 52437

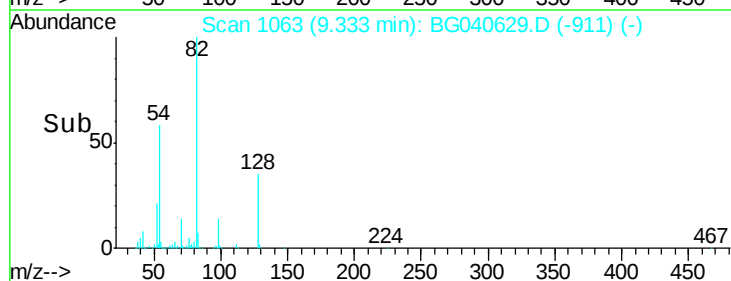
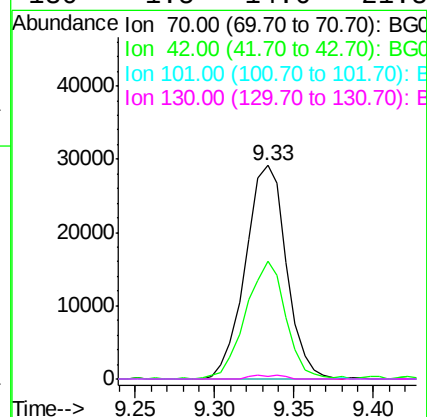
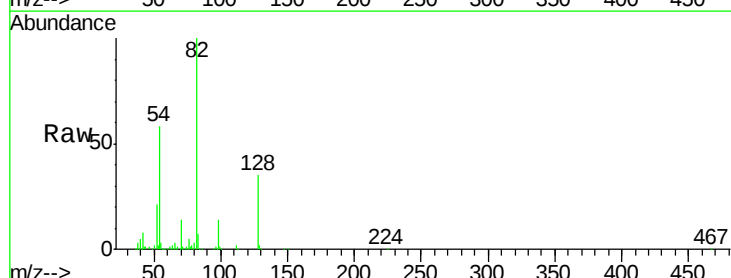
Ion Ratio Lower Upper

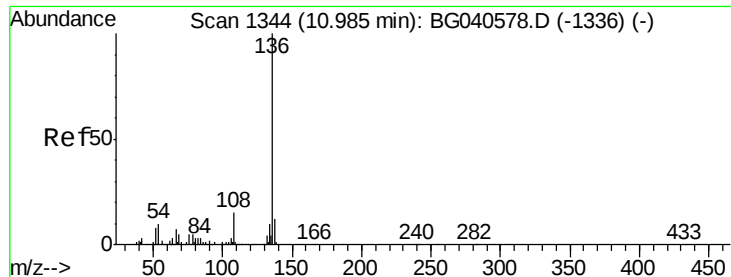
70 100

42 54.9 57.1 85.7#

101 0.0 7.8 11.8#

130 1.5 14.6 21.8#

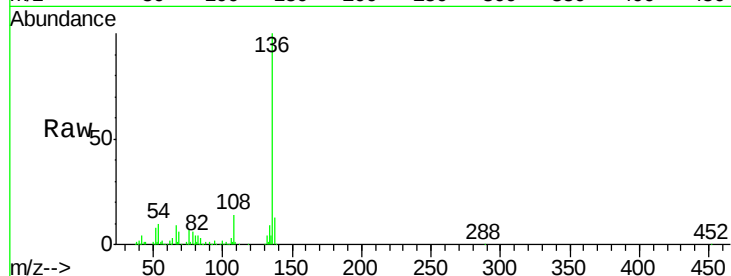




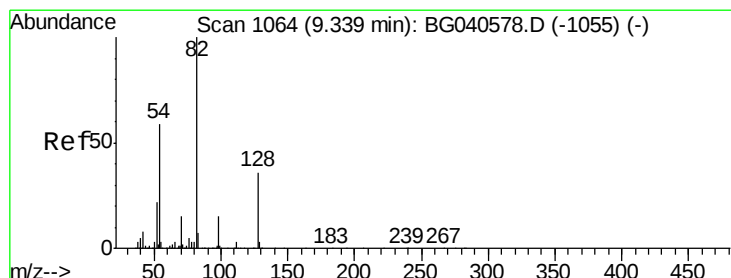
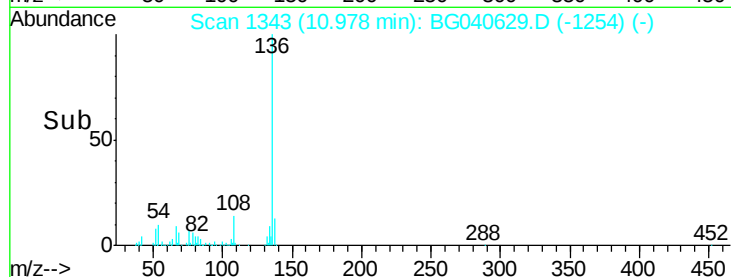
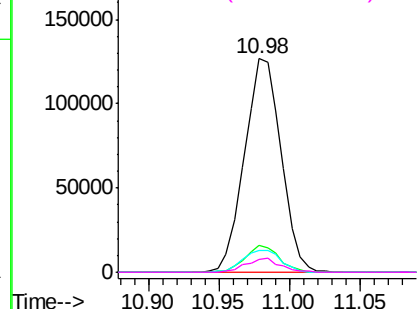
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040629.D
Acq: 26 Apr 2019 14:57

Instrument :
BNA_G
ClientSampleId :
SSSI-0419-S-DH-6-B

Tot Ion:136	Resp:	229651
Ion Ratio	Lower	Upper
136	100	
137	12.8	9.7 14.5
54	10.2	8.6 12.8
68	6.2	4.8 7.2

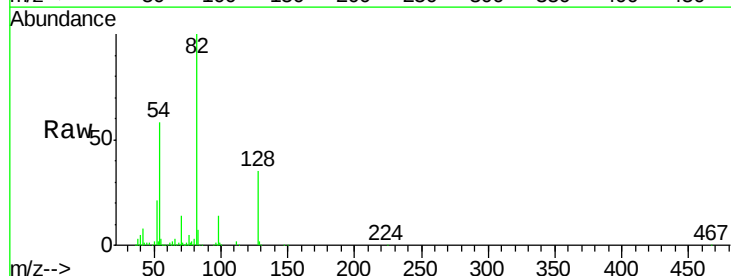


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

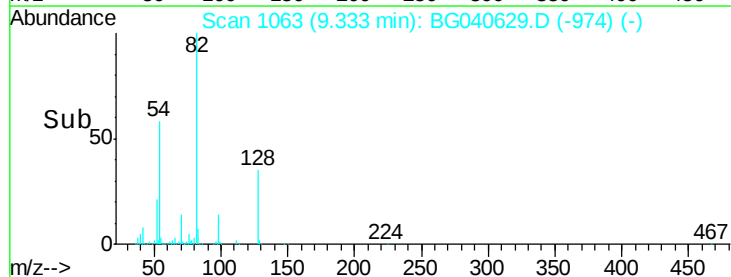
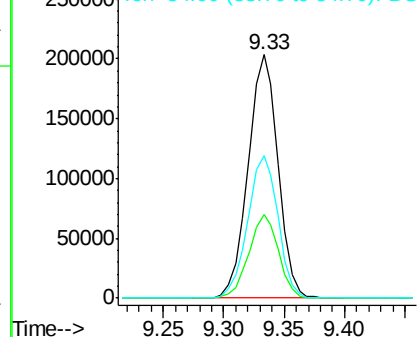


#23
Nitrobenzene-d5
Concen: 70.548 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040629.D
Acq: 26 Apr 2019 14:57

Tgt Ion: 82	Resp:	350633
Ion Ratio	Lower	Upper
82	100	
128	34.6	28.9 43.3
54	58.4	47.2 70.8



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: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040629.D

Acq: 26 Apr 2019 14:57

Instrument :

BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-B

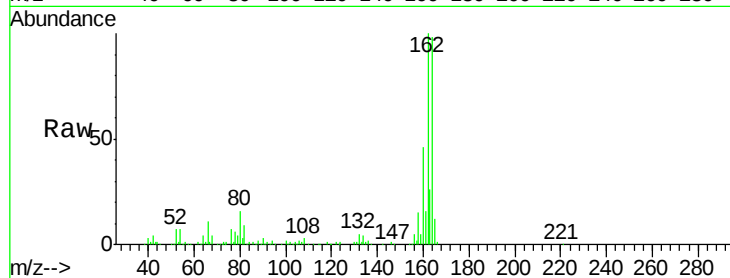
Tot Ion:164 Resp: 167102

Ion Ratio Lower Upper

164 100

162 102.4 81.9 122.9

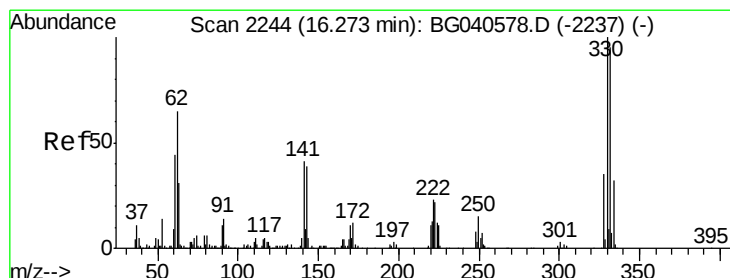
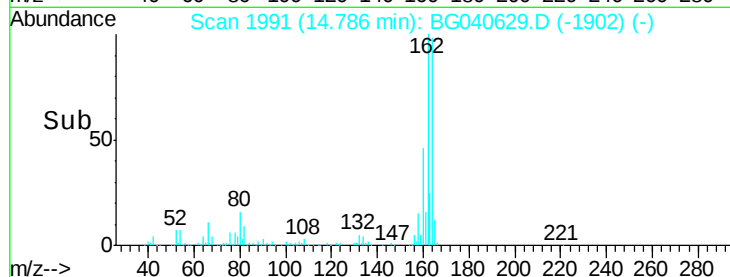
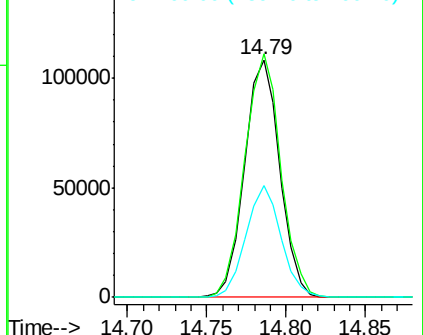
160 46.8 35.4 53.2



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: 112.307 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040629.D

Acq: 26 Apr 2019 14:57

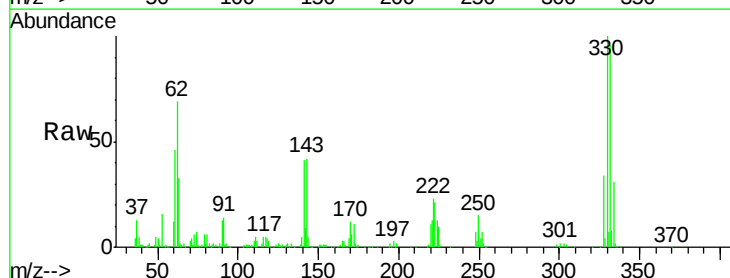
Tgt Ion:330 Resp: 257953

Ion Ratio Lower Upper

330 100

332 94.9 75.9 113.9

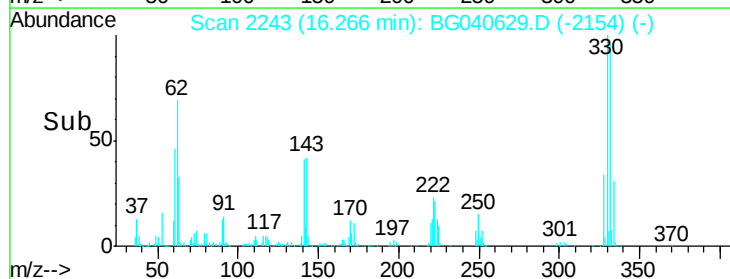
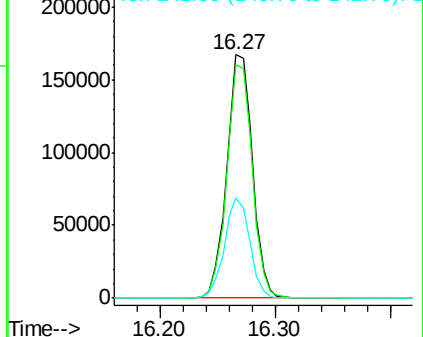
141 40.2 32.4 48.6



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

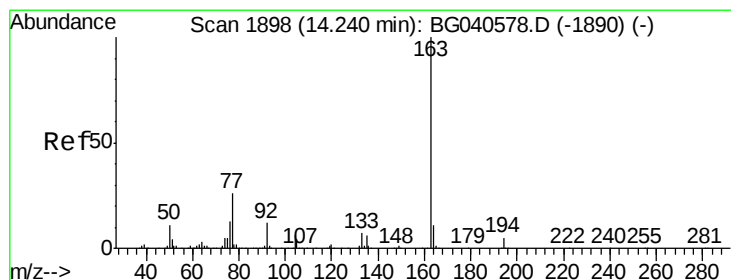
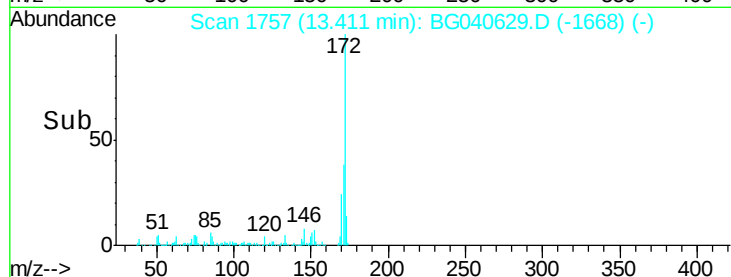
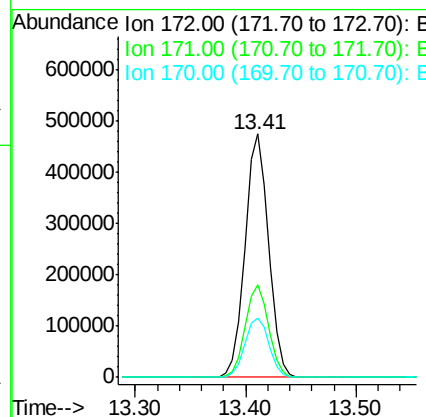
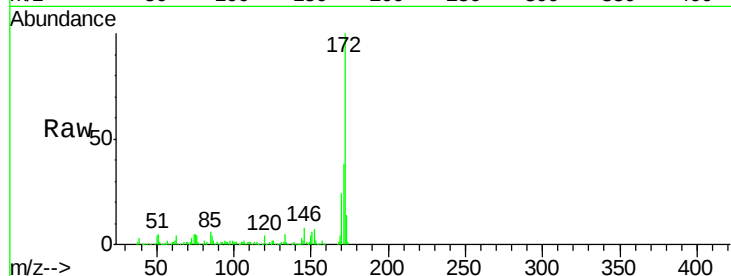




#45
2-Fluorobiphenyl
Concen: 61.130 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG040629.D
Acq: 26 Apr 2019 14:57

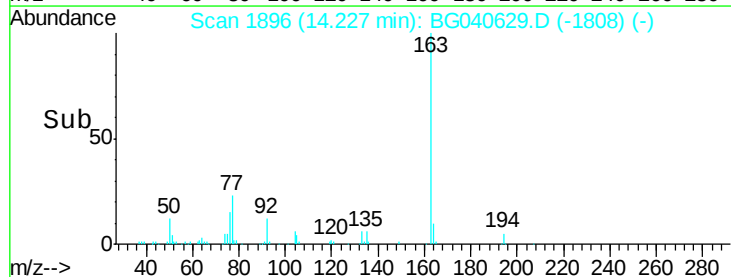
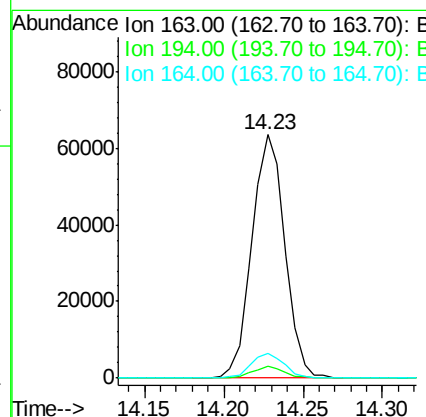
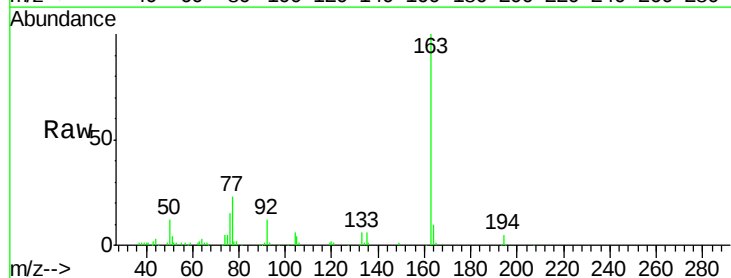
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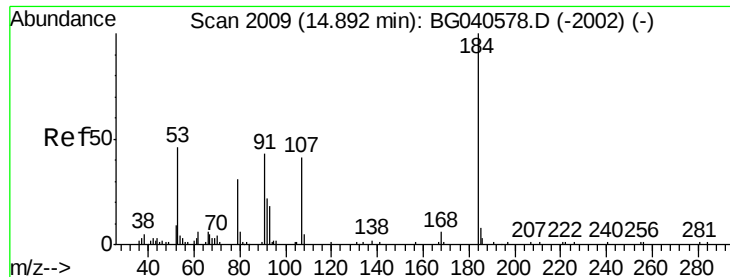
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.4	44.2
170	24.1	19.9	29.9



#50
Dimethylphthalate
Concen: 6.548 ng
RT: 14.23 min Scan# 1896
Delta R.T. -0.01 min
Lab File: BG040629.D
Acq: 26 Apr 2019 14:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.8	5.8
164	10.1	8.8	13.2





#54

2,4-Dinitrophenol

Concen: 7.050 ng

RT: 15.14 min Scan# 2052

Delta R.T. 0.25 min

Lab File: BG040629.D

Acq: 26 Apr 2019 14:57

Instrument :

BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-B

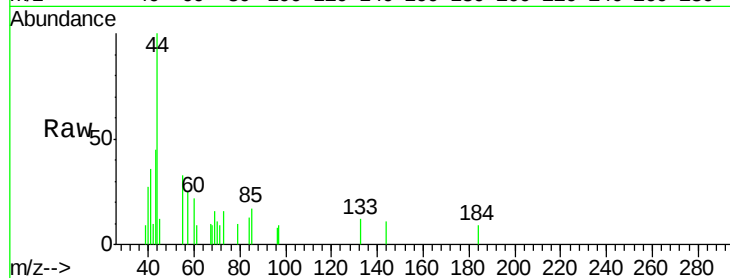
Tot Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

63 0.0 51.8 77.6#

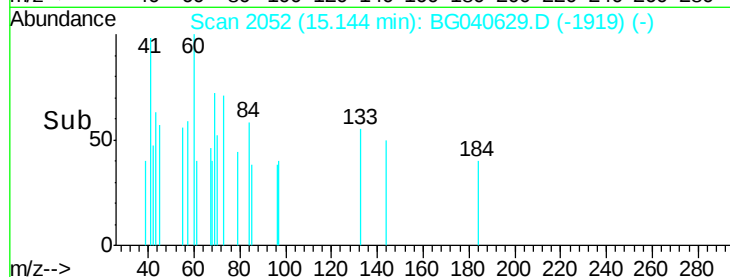
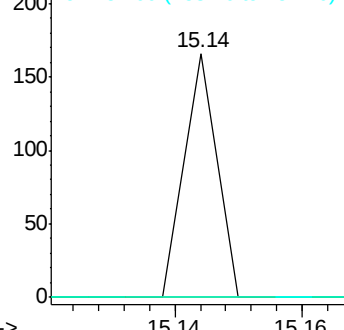
154 0.0 43.6 65.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 5.984 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG040629.D

Acq: 26 Apr 2019 14:57

Tgt Ion:165 Resp: 22187

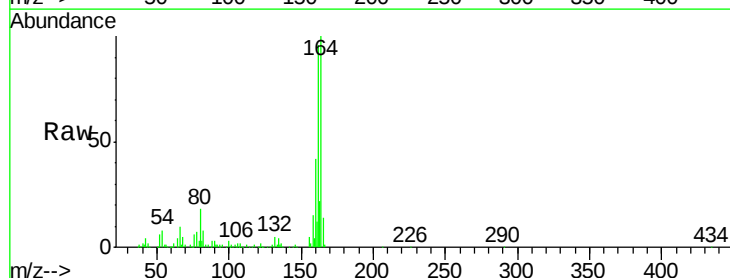
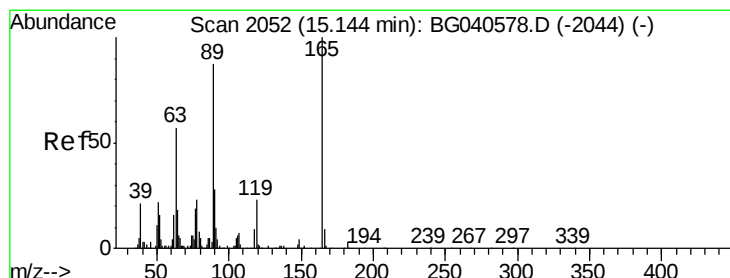
Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 0.0 69.4 104.2#

182 0.0 2.2 3.4#

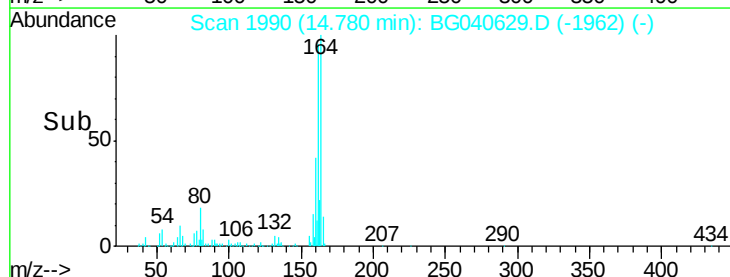
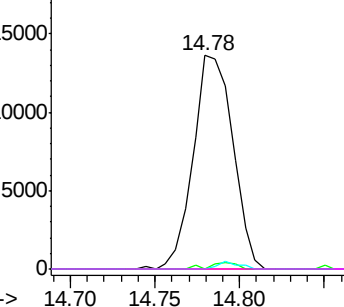


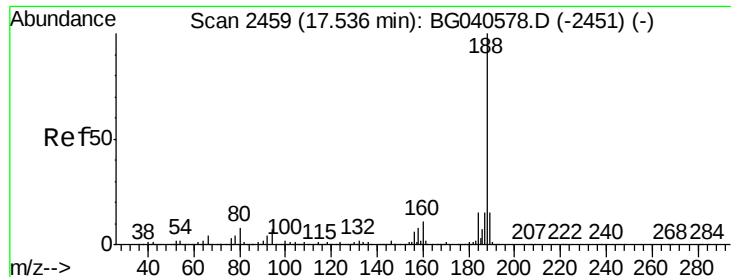
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040629.D

Acq: 26 Apr 2019 14:57

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BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-B

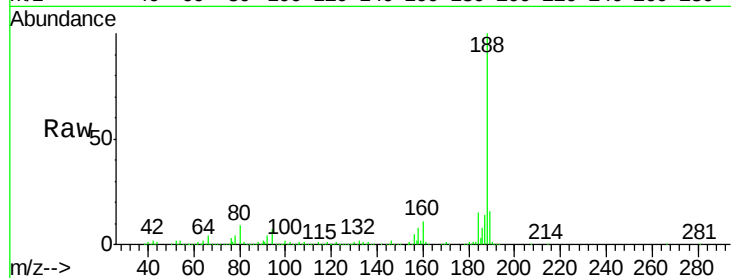
Tot Ion:188 Resp: 424848

Ion Ratio Lower Upper

188 100

94 7.4 5.6 8.4

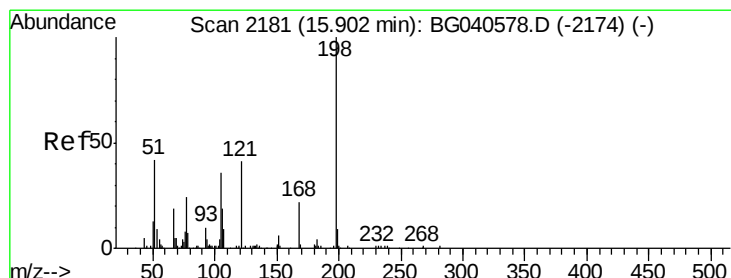
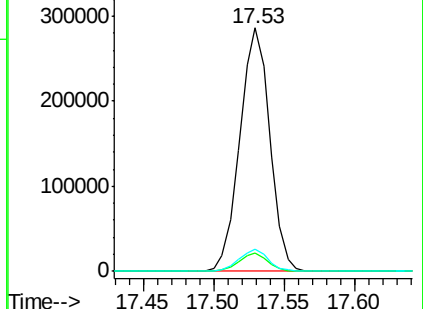
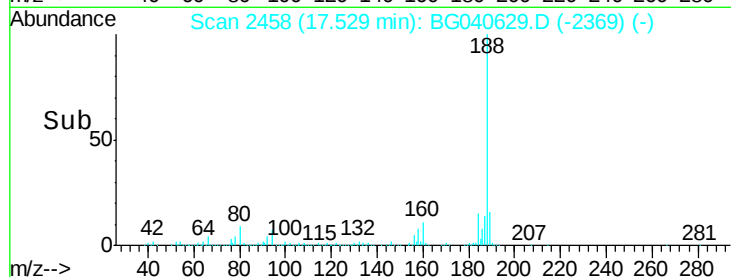
80 9.0 6.4 9.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.425 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.37 min

Lab File: BG040629.D

Acq: 26 Apr 2019 14:57

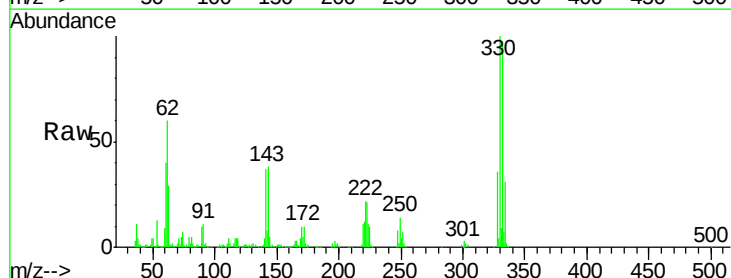
Tgt Ion:198 Resp: 795

Ion Ratio Lower Upper

198 100

51 21.0 35.9 75.9#

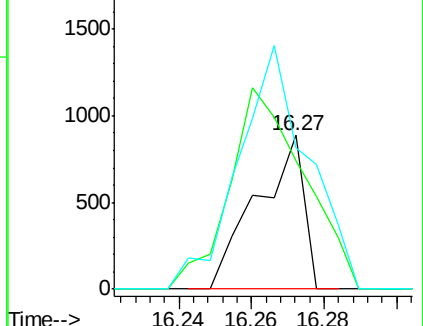
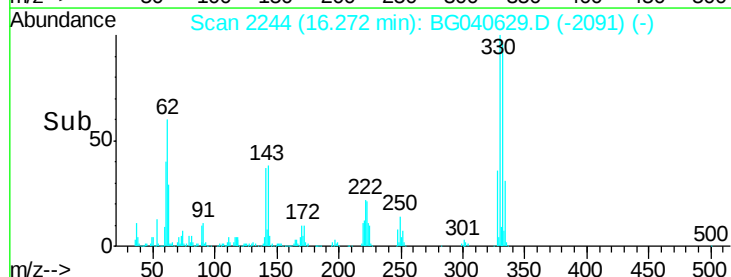
105 23.1 21.2 61.2

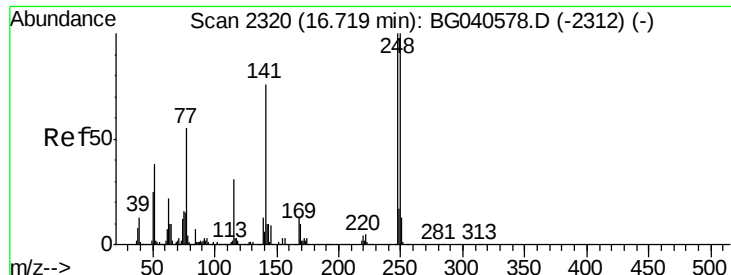


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

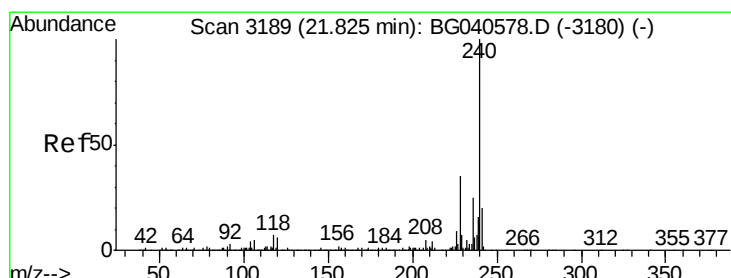
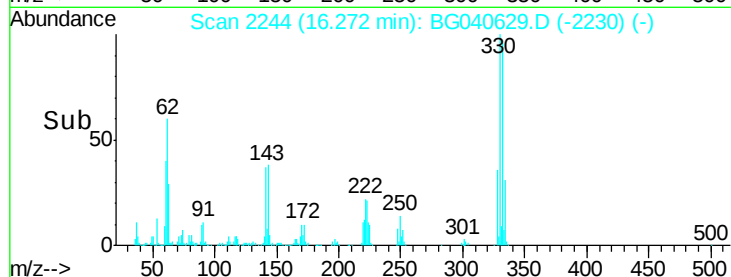
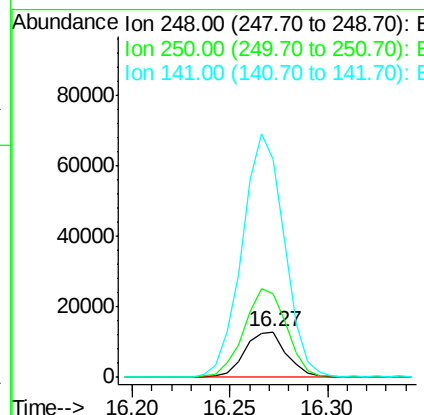
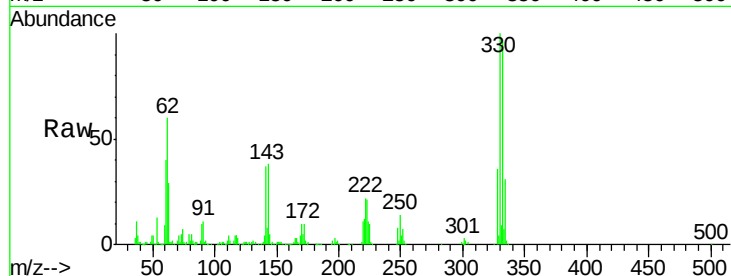




#67
 4-Bromophenyl-phenylether
 Concen: 3.631 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG040629.D
 Acq: 26 Apr 2019 14:57

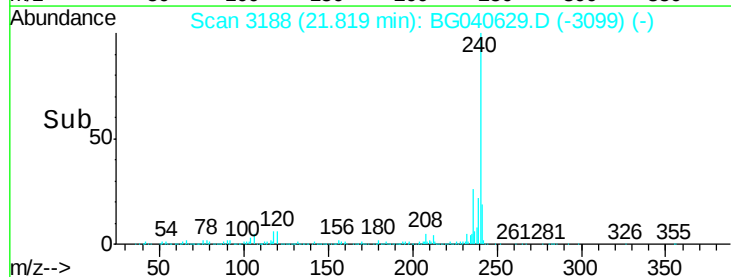
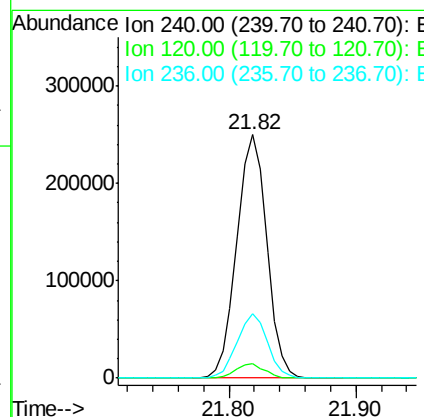
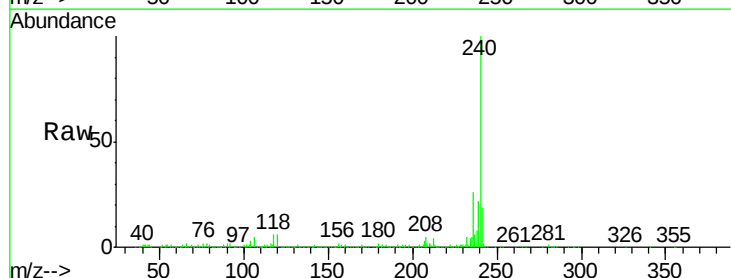
Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0419-S-DH-6-B

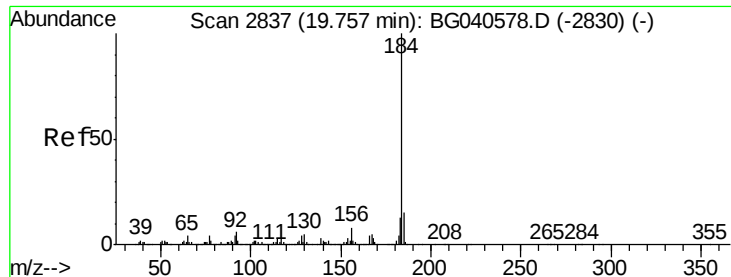
Tot Ion:248 Resp: 19220
 Ion Ratio Lower Upper
 248 100
 250 187.0 79.8 119.6#
 141 378.6 60.8 91.2#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.01 min
 Lab File: BG040629.D
 Acq: 26 Apr 2019 14:57

Tgt Ion:240 Resp: 409339
 Ion Ratio Lower Upper
 240 100
 120 5.8 5.0 7.6
 236 26.4 20.3 30.5





#77

Benzidine

Concen: 2.211 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040629.D

Acq: 26 Apr 2019 14:57

Instrument :

BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-B

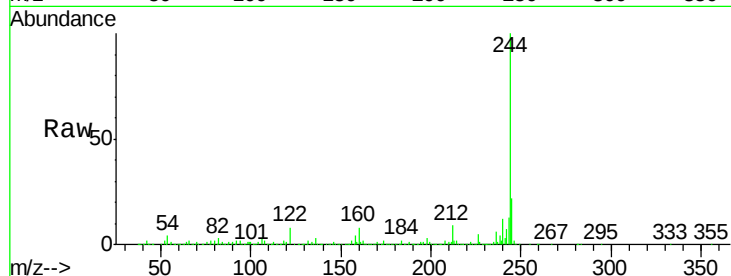
Tot Ion:184 Resp: 24781

Ion Ratio Lower Upper

184 100

185 14.9 11.8 17.8

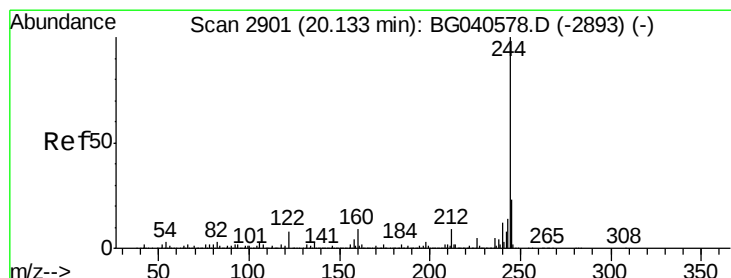
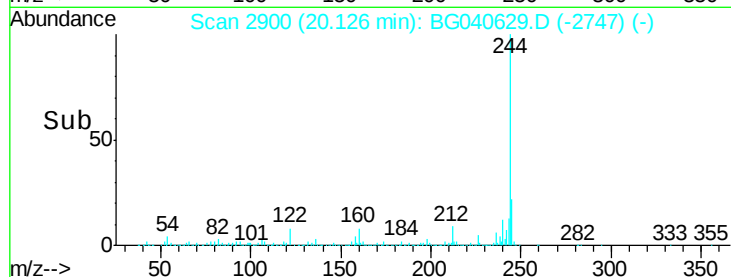
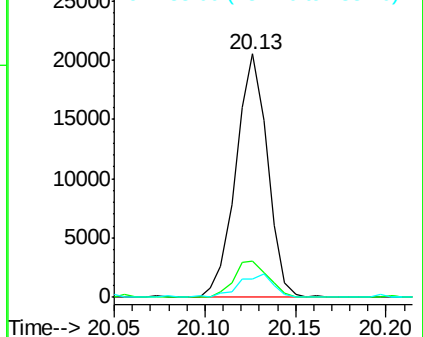
183 7.8 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 68.213 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040629.D

Acq: 26 Apr 2019 14:57

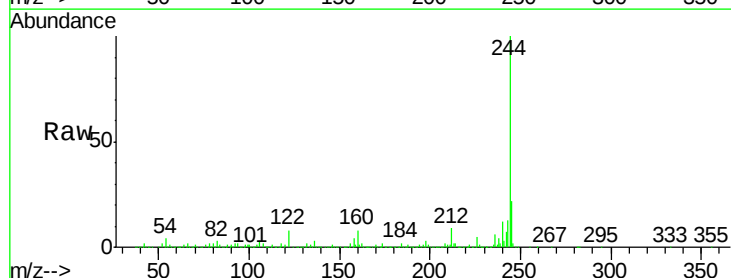
Tgt Ion:244 Resp: 1260349

Ion Ratio Lower Upper

244 100

212 8.9 7.2 10.8

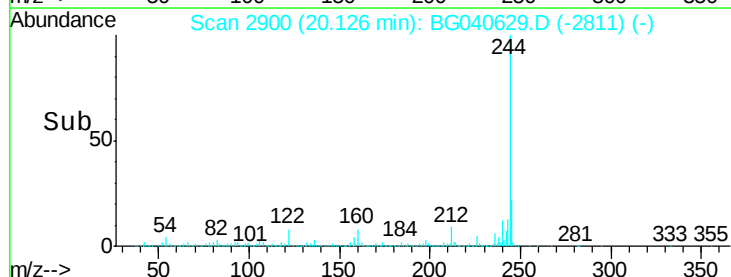
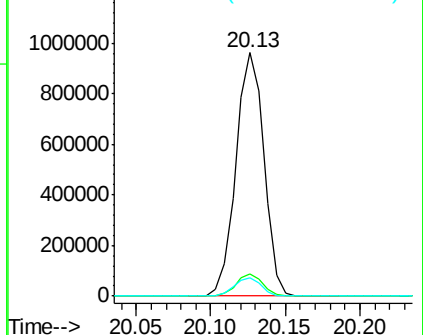
122 7.7 6.6 10.0

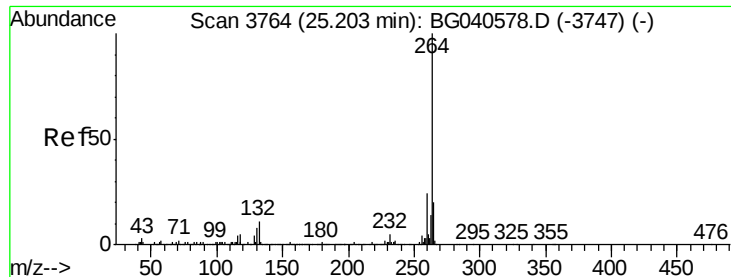


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3763
 Delta R.T. -0.01 min
 Lab File: BG040629.D
 Acq: 26 Apr 2019 14:57

Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0419-S-DH-6-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	22.1	16.6	25.0

