

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050719\
 Data File : BG040771.D
 Acq On : 7 May 2019 15:57
 Operator : HP/JU
 Sample : K2680-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0502-S-TCLP-9

Quant Time: May 08 03:54:17 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

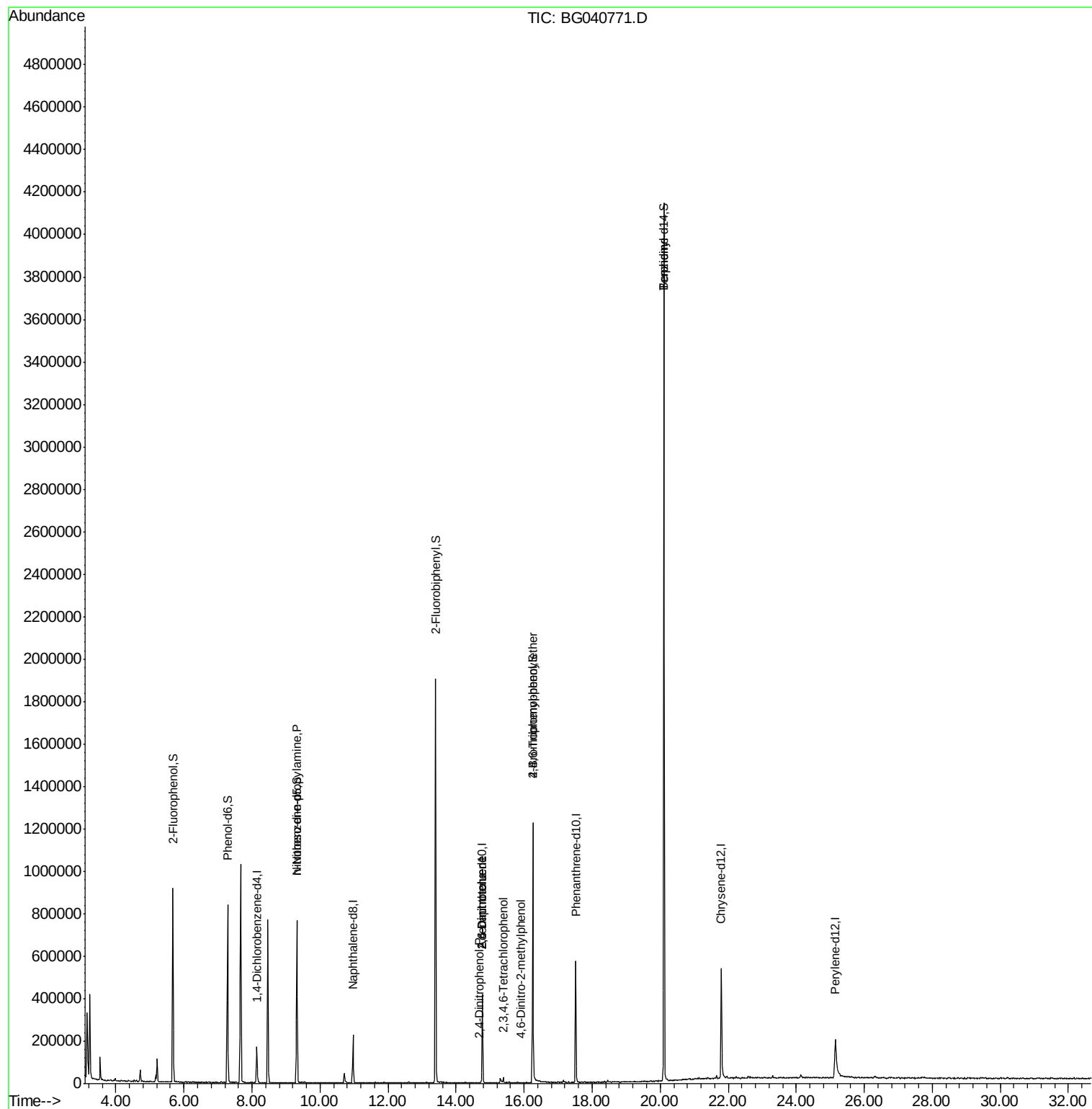
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	43373	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	173028	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	130404	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	363597	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	361959	20.00	ng	-0.03
87) Perylene-d12	25.15	264	291943	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	335013	136.16	ng	-0.01
7) Phenol-d6	7.28	99	428231	113.03	ng	-0.02
23) Nitrobenzene-d5	9.32	82	448067	119.65	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	226897	126.59	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	964912	106.86	ng	-0.02
79) Terphenyl-d14	20.11	244	1946902	119.16	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1149	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	64850	19.016 ng	#	72
51) 2,6-Dinitrotoluene	14.77	165	18586	8.728 ng	#	16
54) 2,4-Dinitrophenol	14.69	184	76	7.072 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	18586	6.423 ng	#	17
59) 2,3,4,6-Tetrachlorophenol	15.39	232	7187	2.233 ng	#	96
65) 4,6-Dinitro-2-methylphenol	15.90	198	69	7.134 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	16048	3.543 ng	#	1
77) Benzdine	20.11	184	35558	3.588 ng	#	92

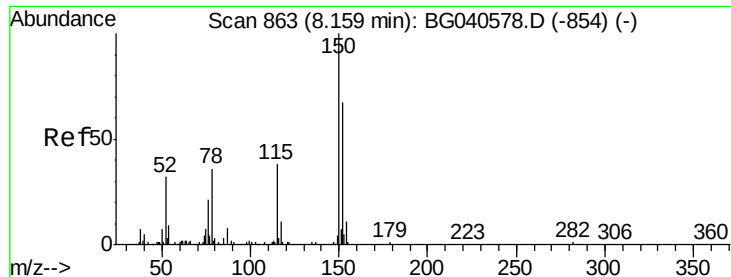
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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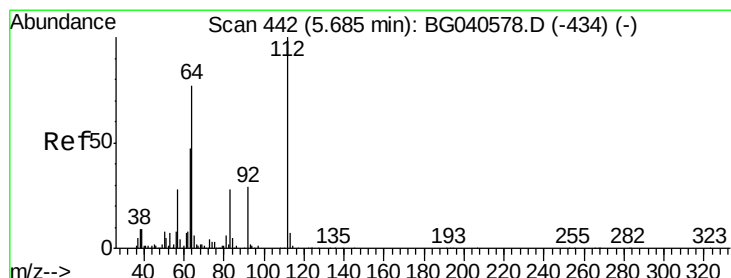
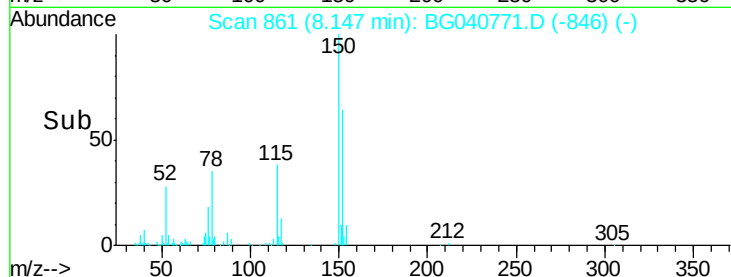
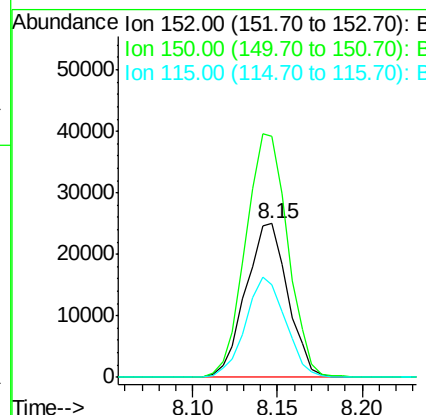
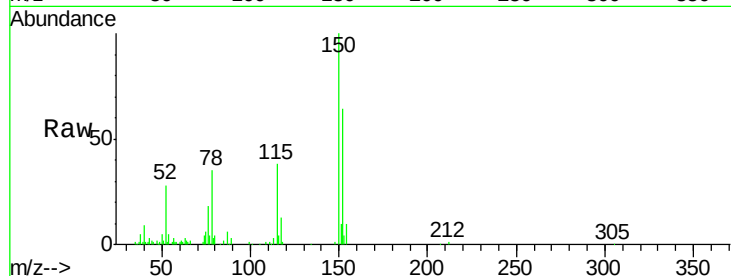


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040771.D
Acq: 7 May 2019 15:57

Instrument :
BNA_G
ClientSampleId :
SSSI-0502-S-TCLP-9

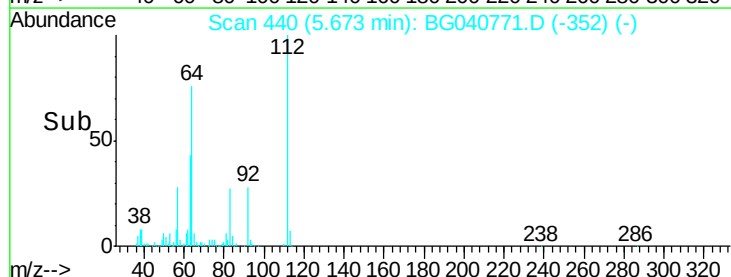
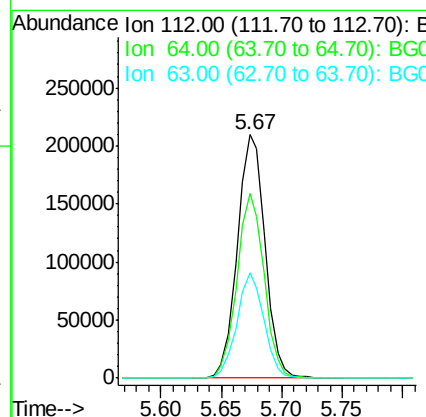
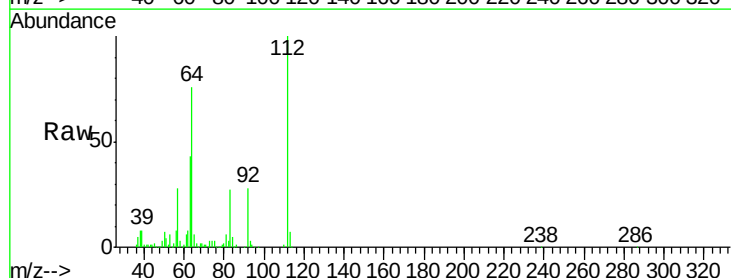
Tot Ion:152 Resp: 43373
Ion Ratio Lower Upper
152 100
150 157.1 120.2 180.2
115 60.0 46.2 69.2

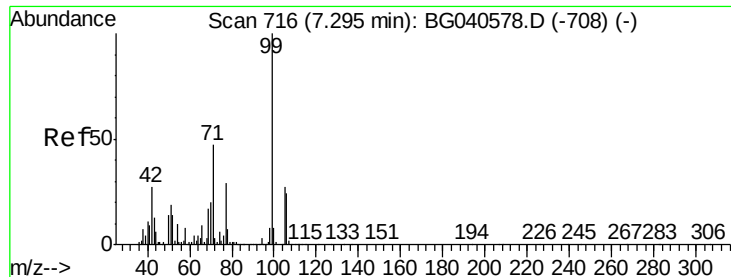


#5

2-Fluorophenol
Concen: 136.156 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040771.D
Acq: 7 May 2019 15:57

Tgt Ion:112 Resp: 335013
Ion Ratio Lower Upper
112 100
64 75.9 61.4 92.0
63 43.3 37.8 56.6





#7

Phenol-d6

Concen: 113.035 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-9

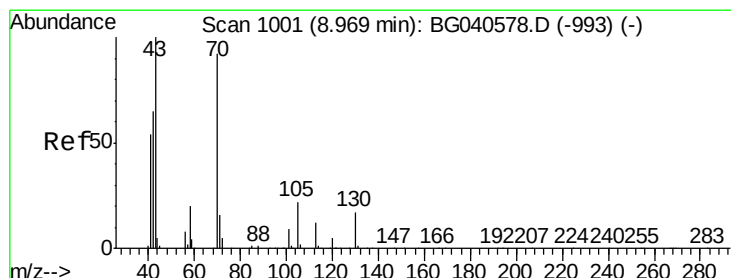
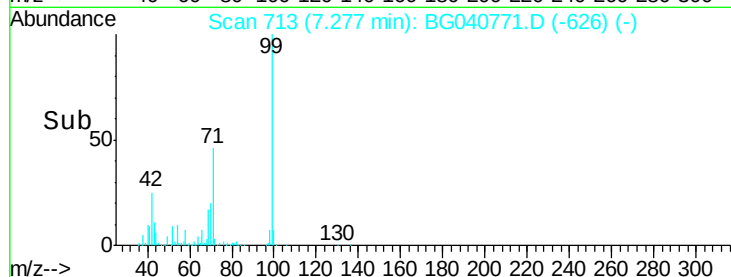
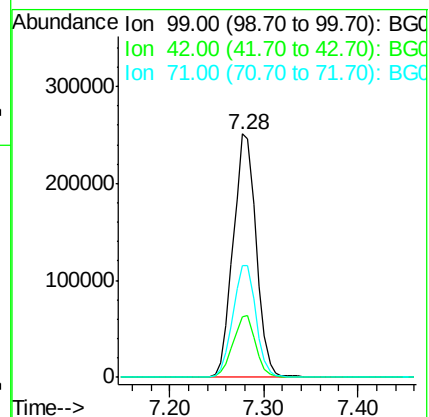
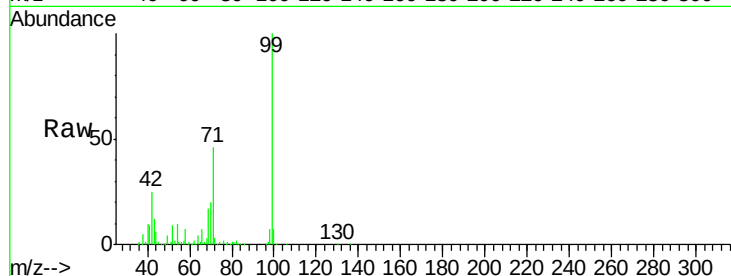
Tot Ion: 99 Resp: 428231

Ion Ratio Lower Upper

99 100

42 24.9 21.8 32.8

71 45.9 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 19.016 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

Tgt Ion: 70 Resp: 64850

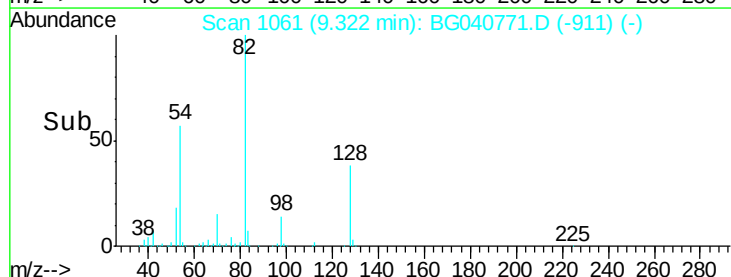
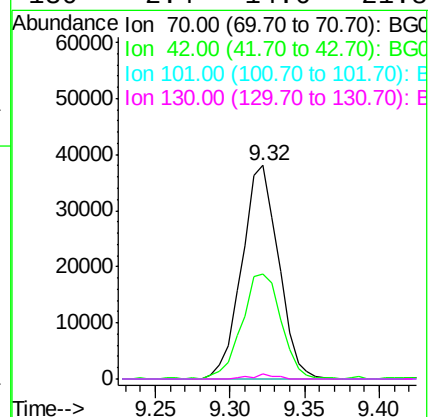
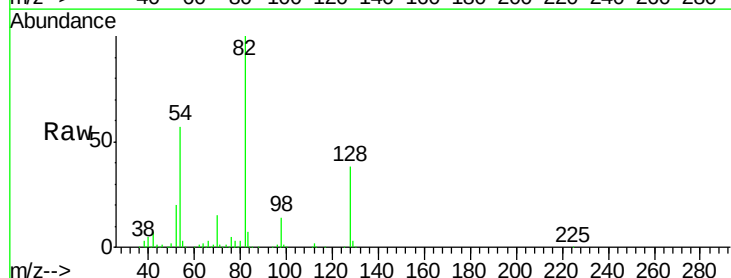
Ion Ratio Lower Upper

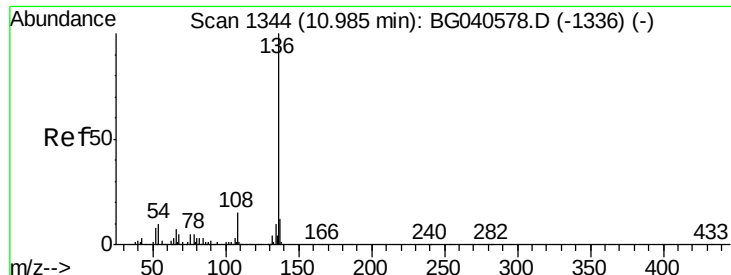
70 100

42 49.3 57.1 85.7#

101 0.0 7.8 11.8#

130 2.4 14.6 21.8#

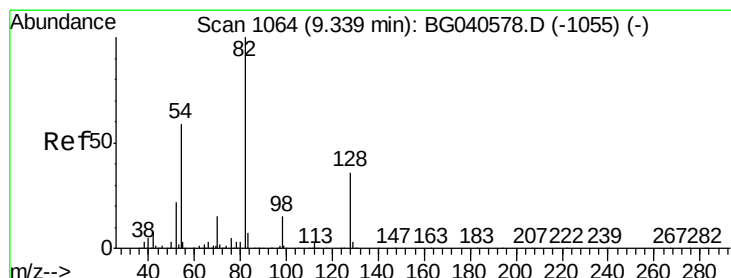
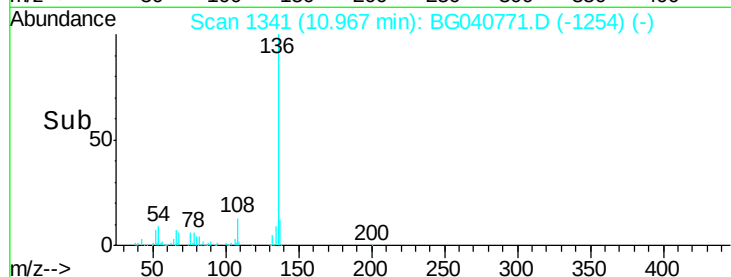
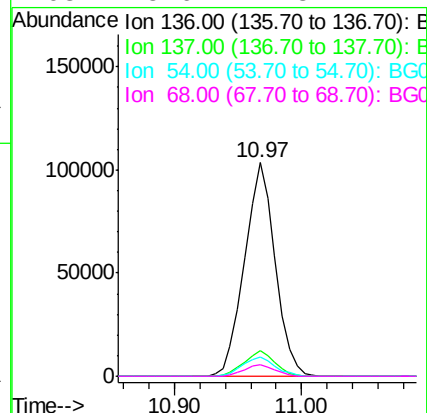
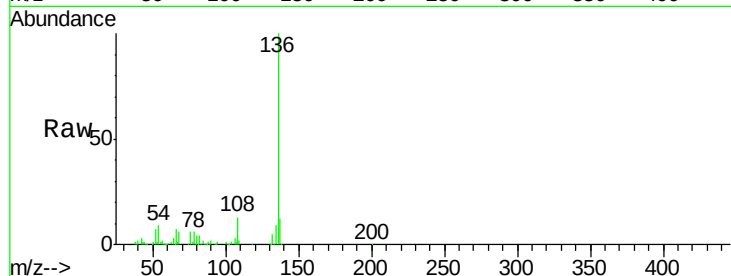




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040771.D
Acq: 7 May 2019 15:57

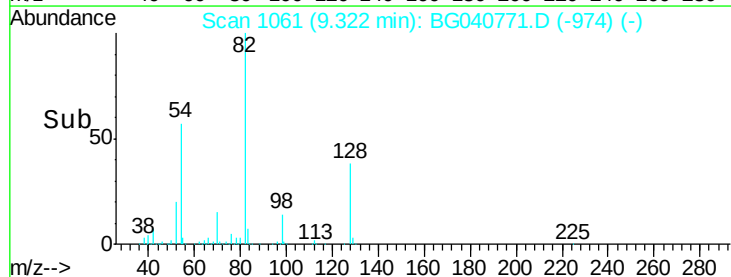
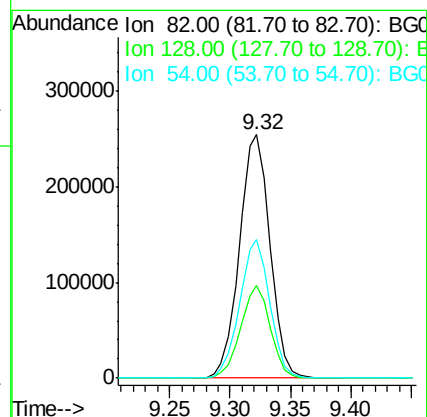
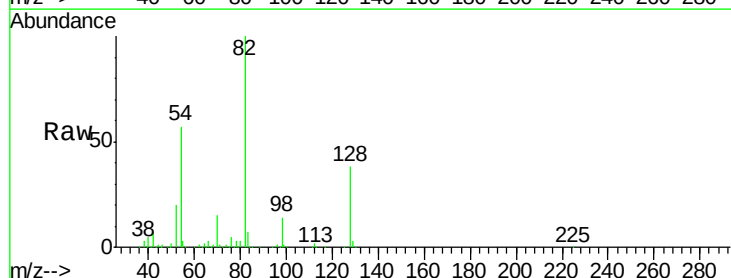
Instrument :
BNA_G
ClientSampleId :
SSSI-0502-S-TCLP-9

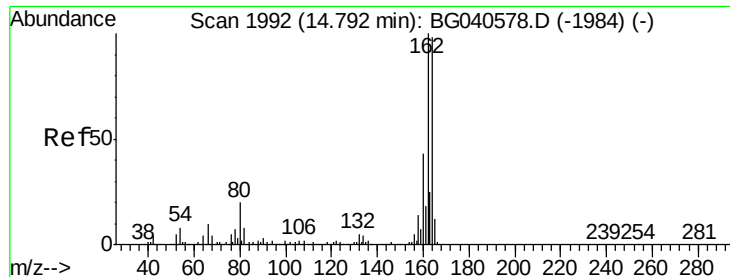
Tot Ion:136	Resp:	173028
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.7 14.5
54	9.2	8.6 12.8
68	5.6	4.8 7.2



#23
Nitrobenzene-d5
Concen: 119.654 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040771.D
Acq: 7 May 2019 15:57

Tgt Ion: 82	Resp:	448067
Ion	Ratio	Lower Upper
82	100	
128	38.1	28.9 43.3
54	57.2	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-9

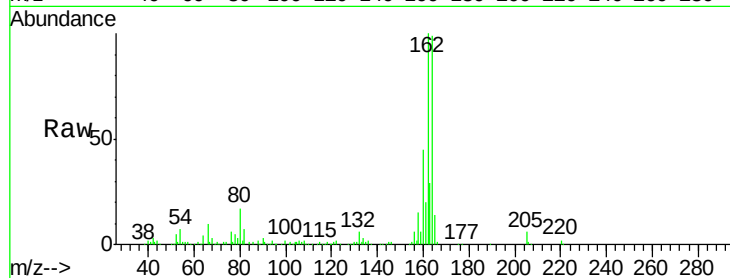
Tot Ion:164 Resp: 130404

Ion Ratio Lower Upper

164 100

162 101.5 81.9 122.9

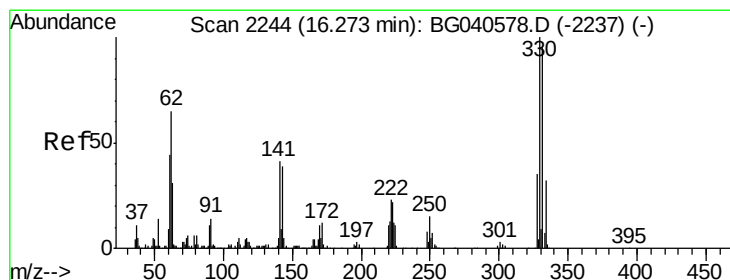
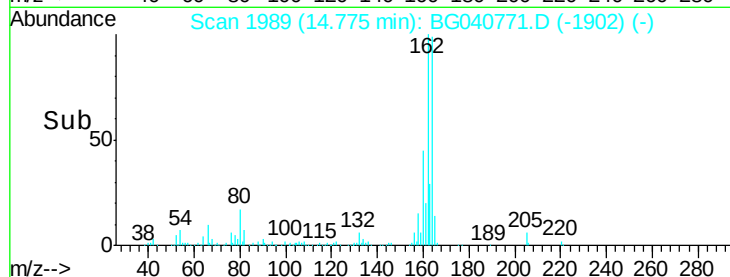
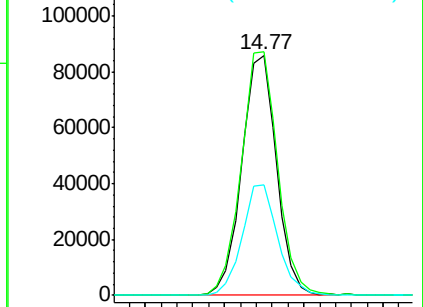
160 45.9 35.4 53.2



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: 126.586 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

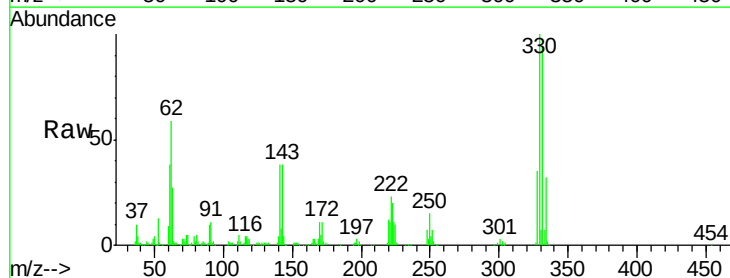
Tgt Ion:330 Resp: 226897

Ion Ratio Lower Upper

330 100

332 97.2 75.9 113.9

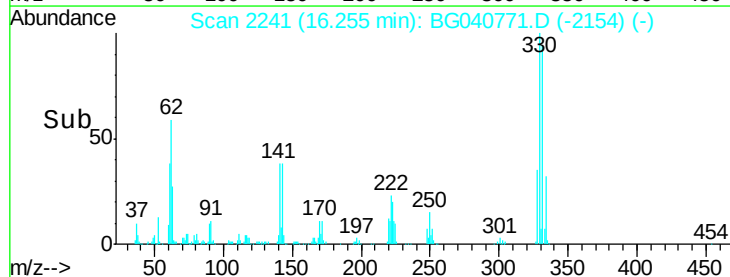
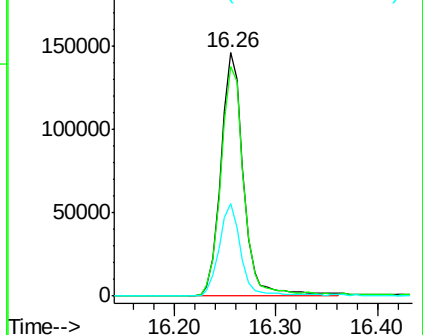
141 35.9 32.4 48.6

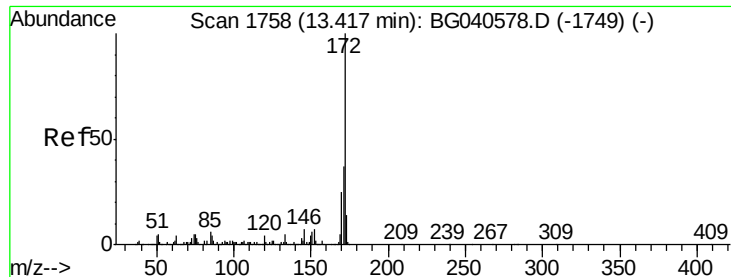


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 106.862 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

Instrument :

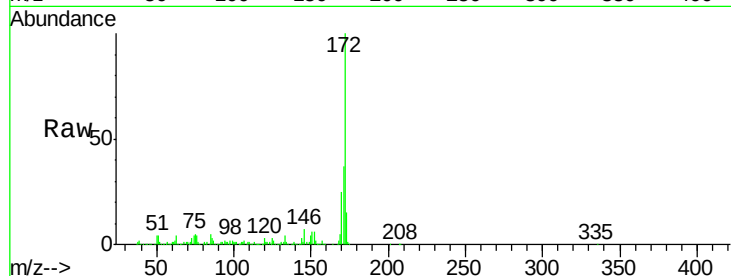
BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-9

Tot Ion:172 Resp: 964912

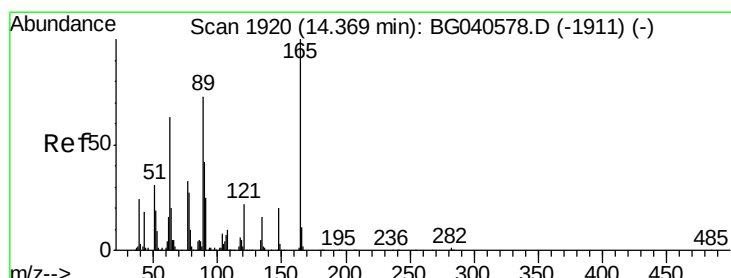
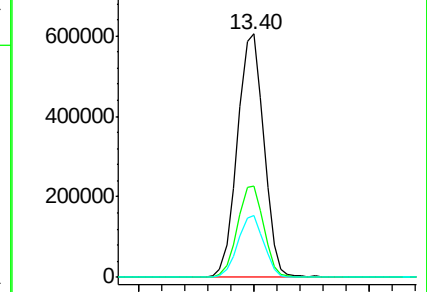
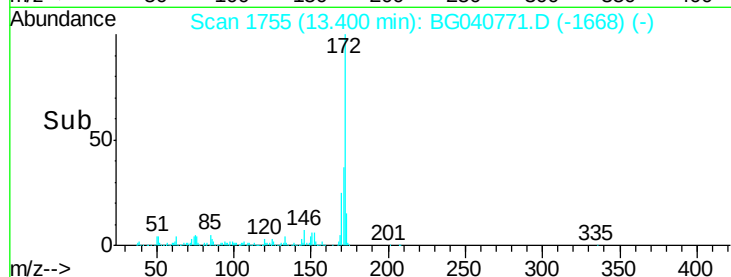
Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.4	44.2
170	25.2	19.9	29.9



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: 8.728 ng

RT: 14.77 min Scan# 1989

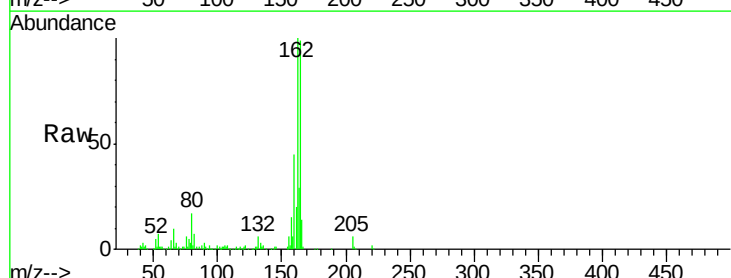
Delta R.T. 0.41 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

Tgt Ion:165 Resp: 18586

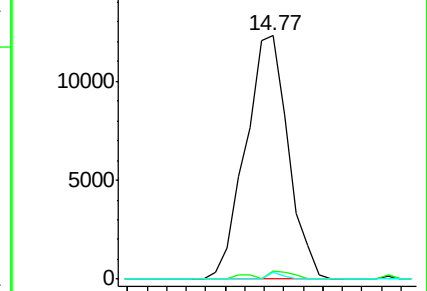
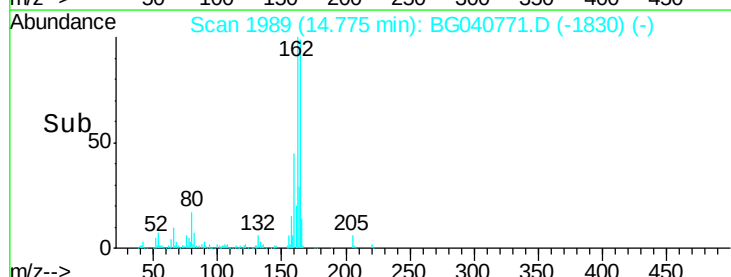
Ion	Ratio	Lower	Upper
165	100		
63	3.1	61.0	91.4#
89	2.8	58.6	87.8#

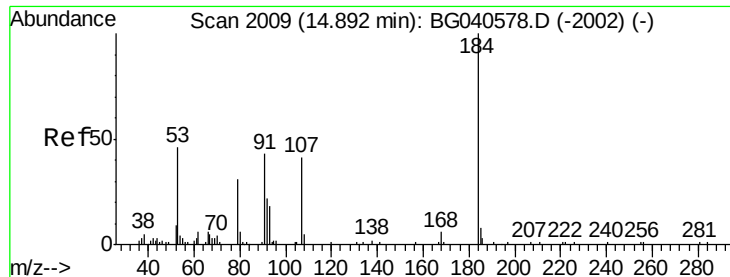


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

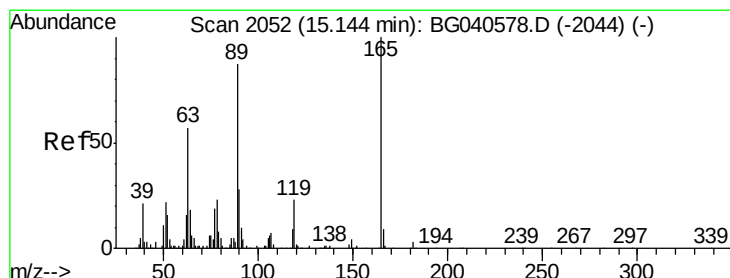
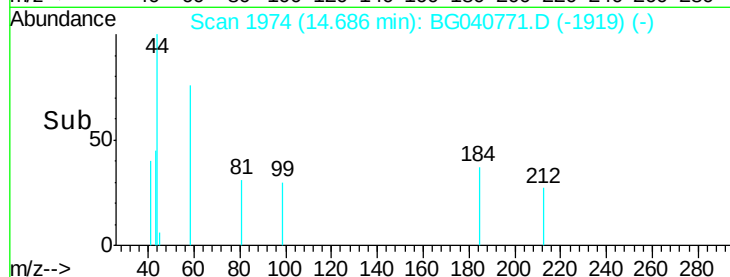
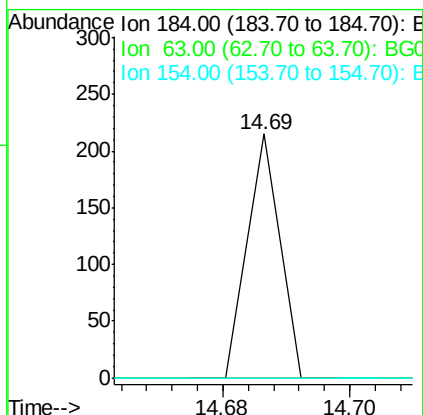
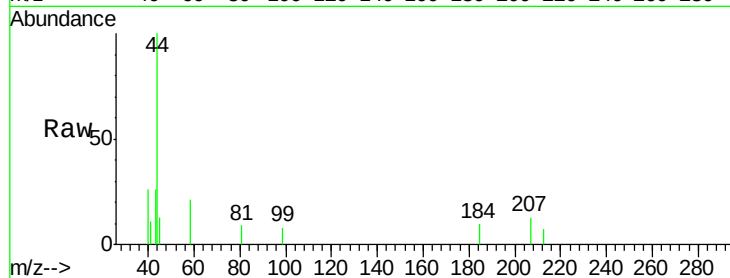




#54
2,4-Dinitrophenol
Concen: 7.072 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.20 min
Lab File: BG040771.D
Acq: 7 May 2019 15:57

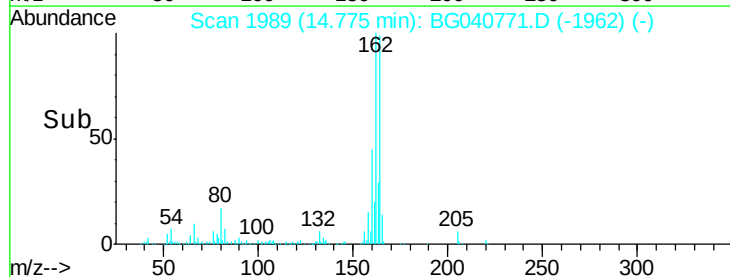
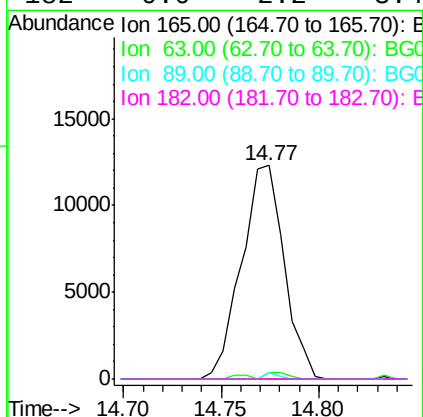
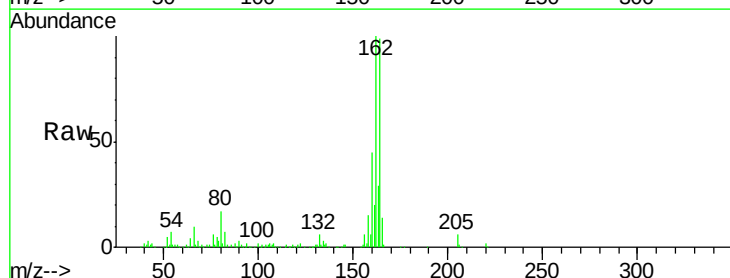
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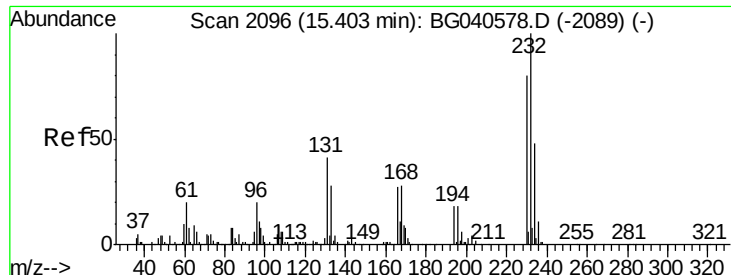
Tot Ion:184 Resp: 76
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.423 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040771.D
Acq: 7 May 2019 15:57

Tgt Ion:165 Resp: 18586
Ion Ratio Lower Upper
165 100
63 3.1 45.8 68.8#
89 2.8 69.4 104.2#
182 0.0 2.2 3.4#

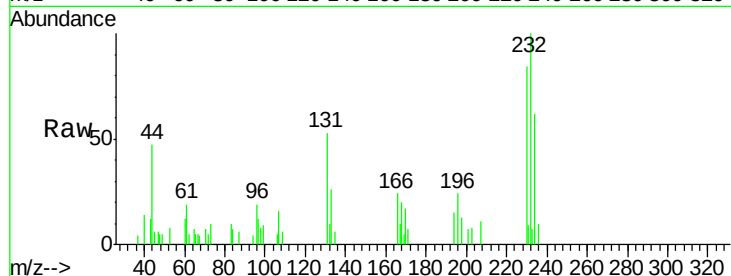




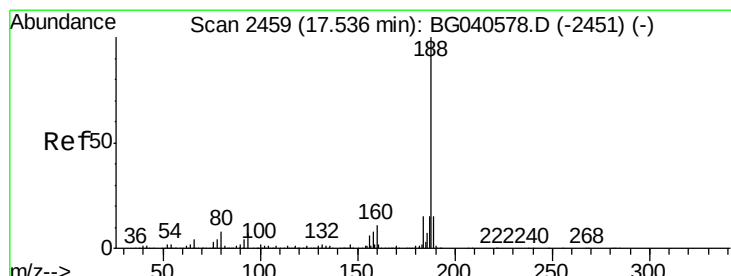
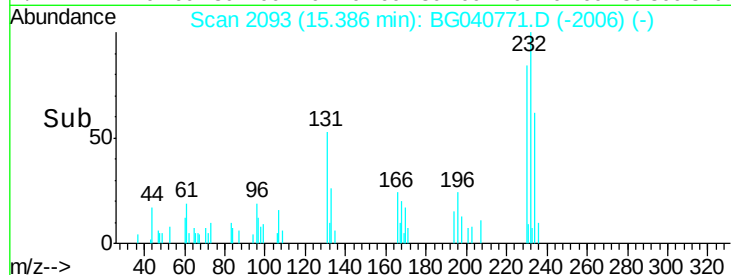
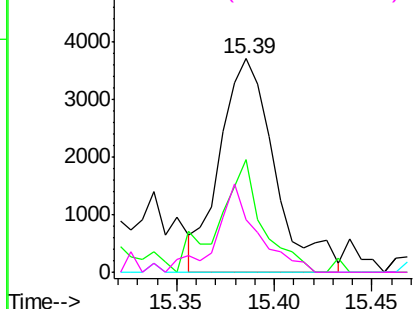
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 2.233 ng
 RT: 15.39 min Scan# 2093
 Delta R.T. -0.02 min
 Lab File: BG040771.D
 Acq: 7 May 2019 15:57

Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0502-S-TCLP-9

Tot Ion:232	Resp:	7187
Ion	Ratio	Lower Upper
232	100	
131	42.3	33.0 49.4
130	0.0	2.0 3.0#
166	30.8	22.1 33.1

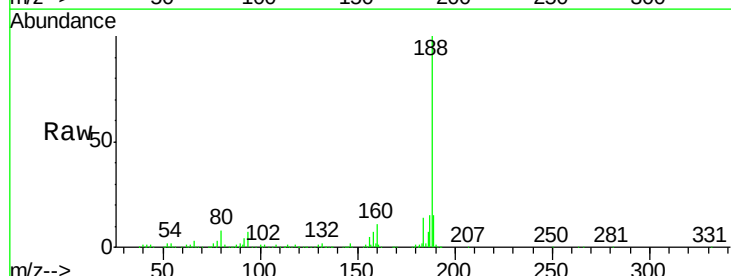


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

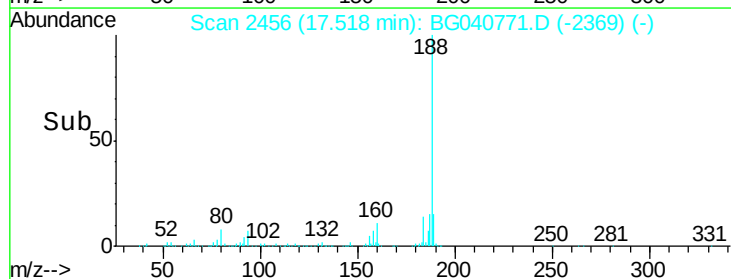
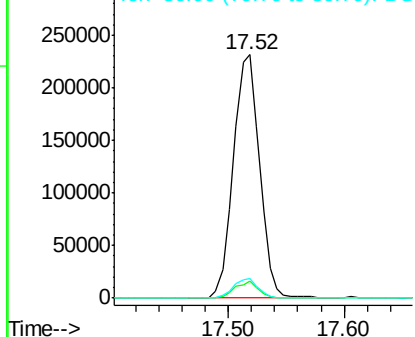


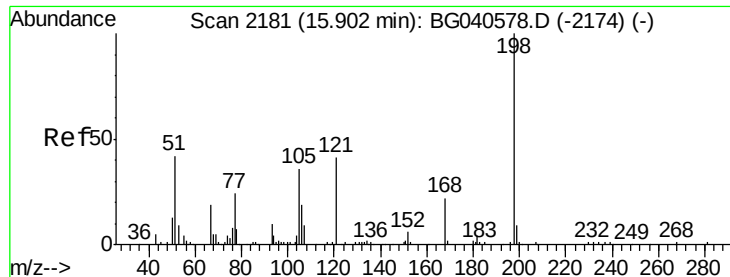
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040771.D
 Acq: 7 May 2019 15:57

Tgt Ion:188	Resp:	363597
Ion	Ratio	Lower Upper
188	100	
94	6.8	5.6 8.4
80	7.8	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: 7.134 ng

RT: 15.90 min Scan# 2181

Delta R.T. 0.00 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-9

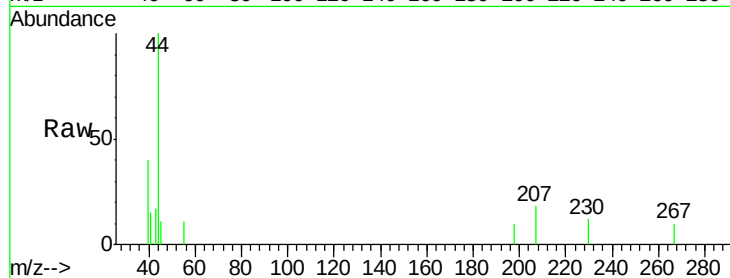
Tot Ion:198 Resp: 69

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

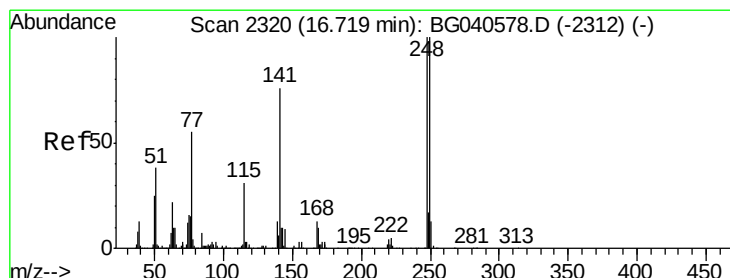
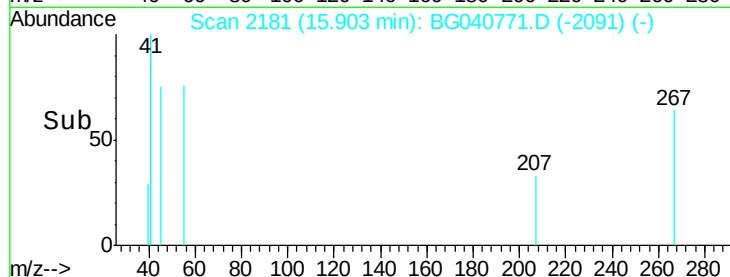
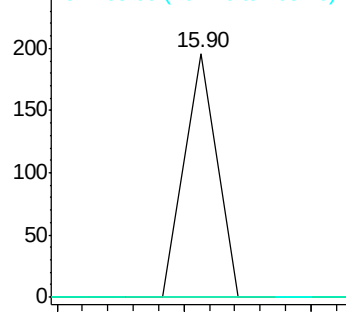
105 0.0 21.2 61.2#



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: 3.543 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

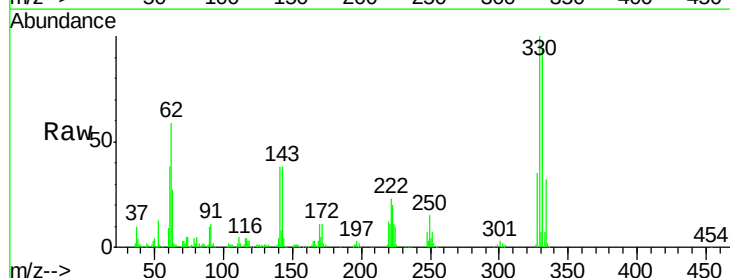
Tgt Ion:248 Resp: 16048

Ion Ratio Lower Upper

248 100

250 155.4 79.8 119.6#

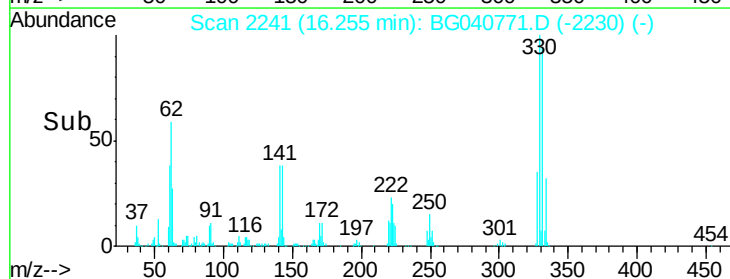
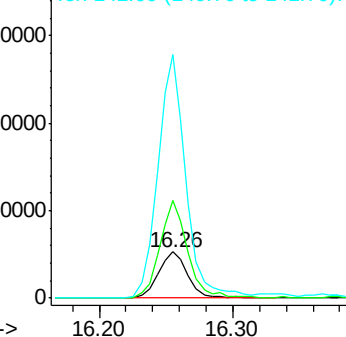
141 388.1 60.8 91.2#

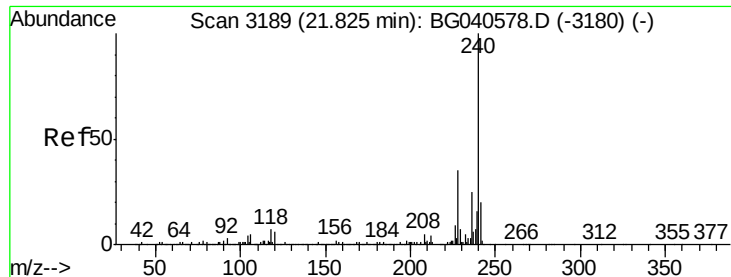


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.80 min Scan# 3184

Delta R.T. -0.03 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-9

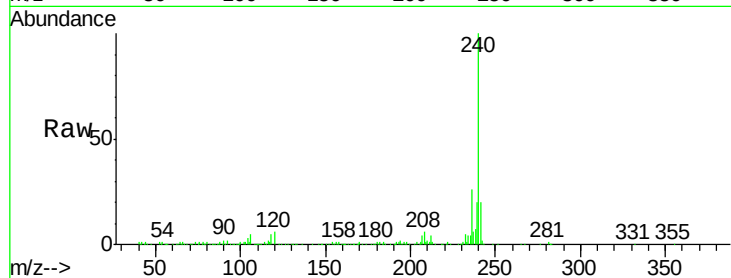
Tot Ion:240 Resp: 361959

Ion Ratio Lower Upper

240 100

120 5.8 5.0 7.6

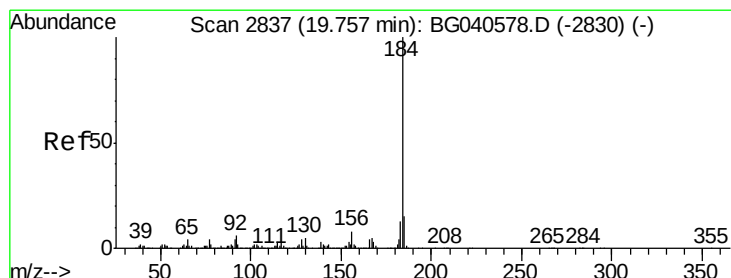
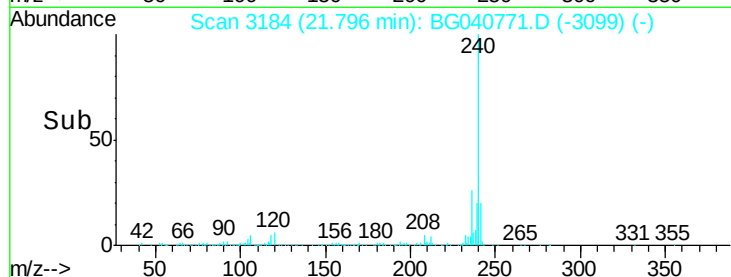
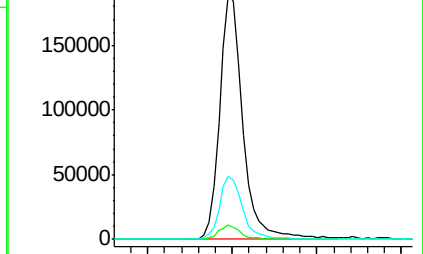
236 26.0 20.3 30.5



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



#77

Benzidine

Concen: 3.588 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

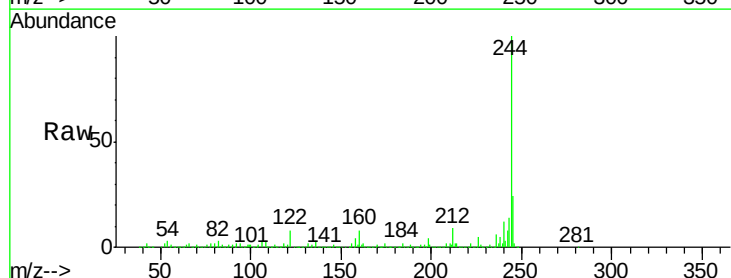
Tgt Ion:184 Resp: 35558

Ion Ratio Lower Upper

184 100

185 17.5 11.8 17.8

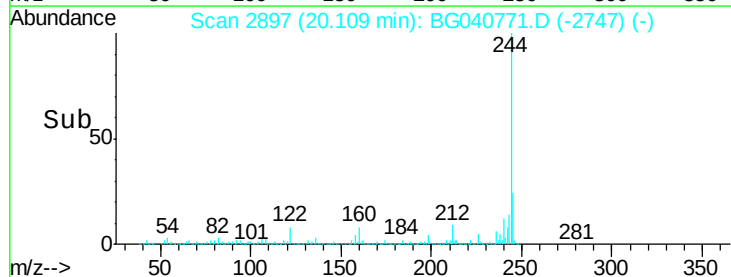
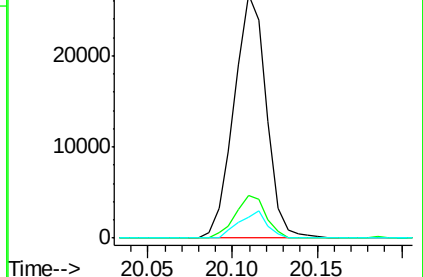
183 8.5 10.2 15.2#

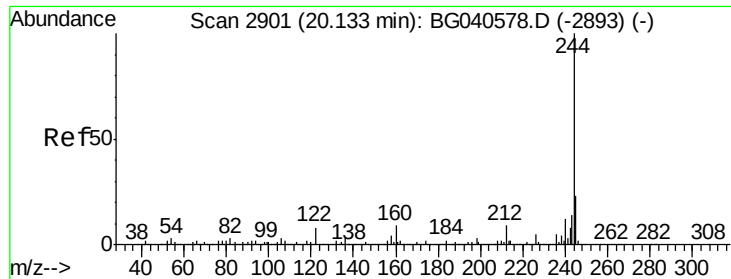


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 119.163 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-9

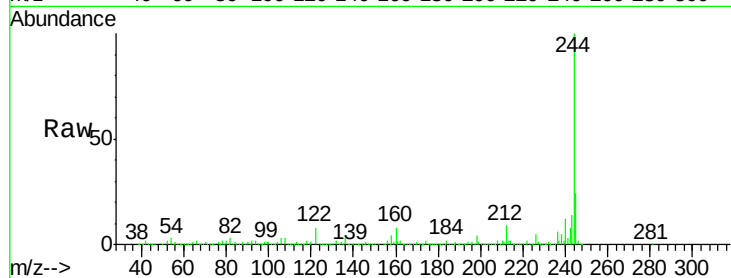
Tot Ion:244 Resp: 1946902

Ion Ratio Lower Upper

244 100

212 9.3 7.2 10.8

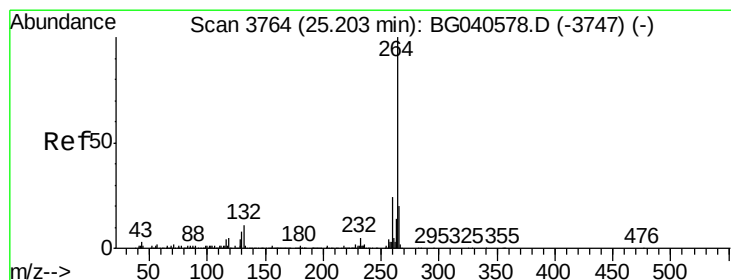
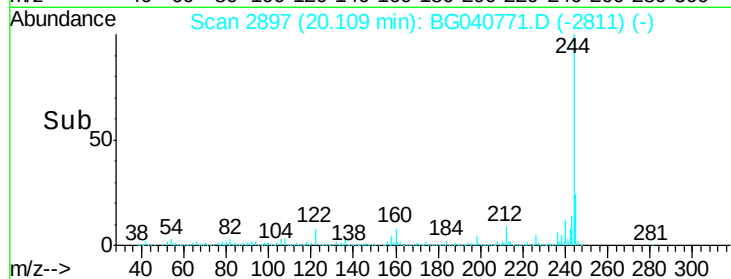
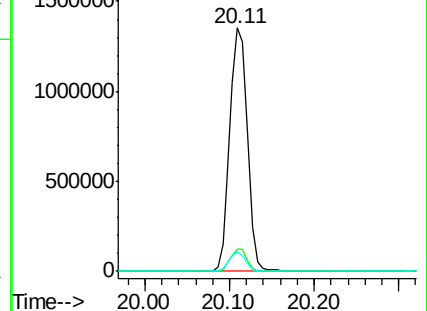
122 8.1 6.6 10.0



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

Perylene-d12

Concen: 20.000 ng

RT: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040771.D

Acq: 7 May 2019 15:57

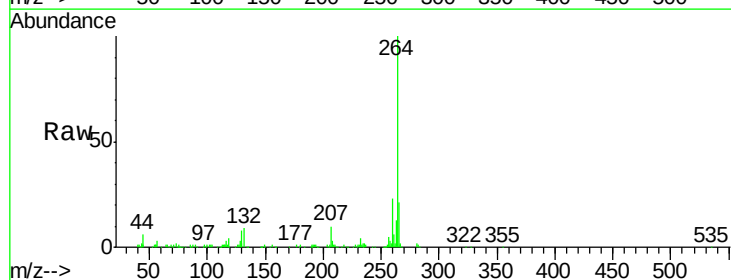
Tgt Ion:264 Resp: 291943

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.0 16.6 25.0



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

