

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050919\
 Data File : BG040834.D
 Acq On : 10 May 2019 2:43
 Operator : HP/JU
 Sample : K2764-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS010-0612-01

Quant Time: May 10 06:25:11 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

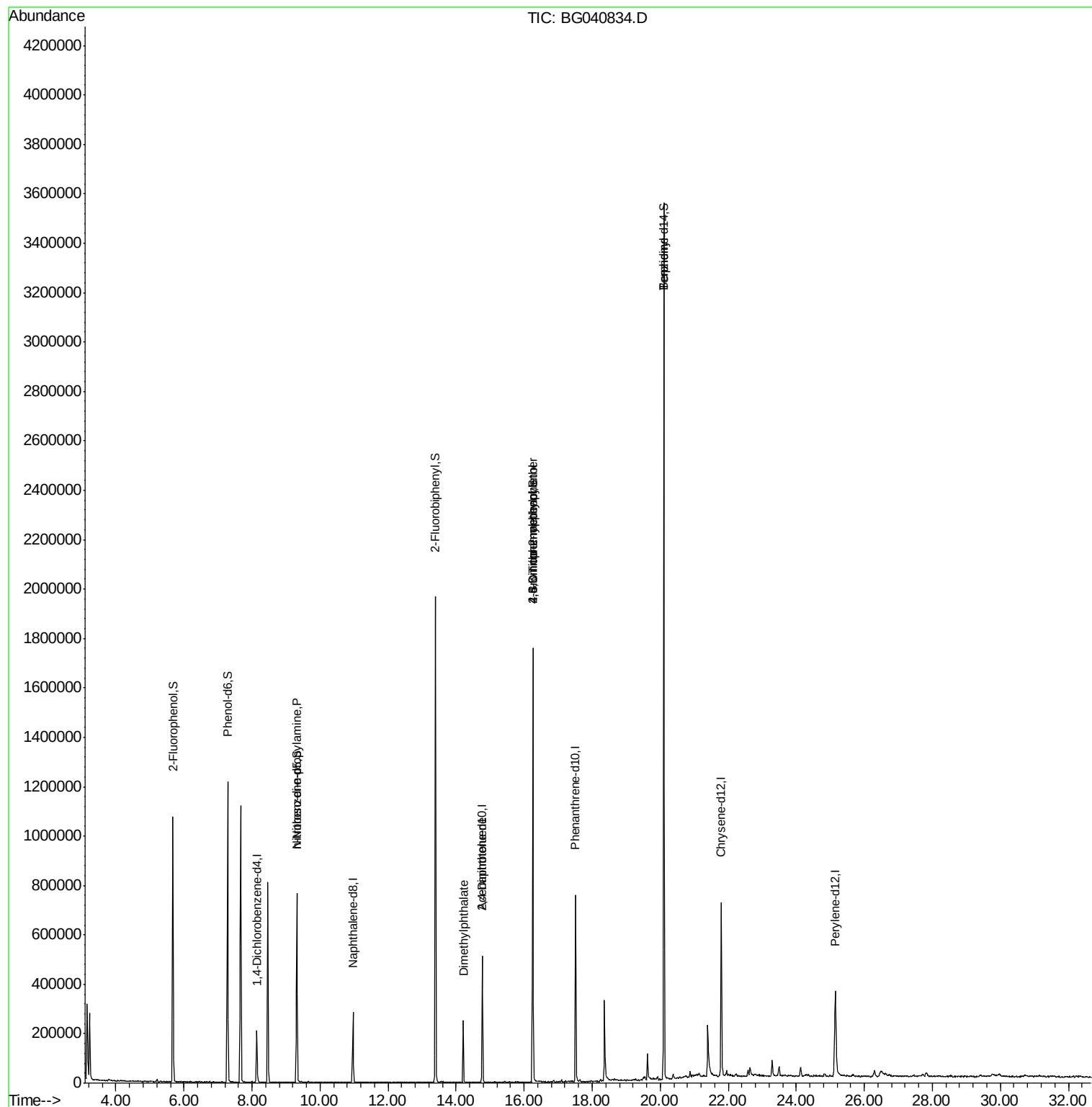
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	55291	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	224060	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	173014	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	454185	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	432730	20.00	ng	-0.03
87) Perylene-d12	25.15	264	438619	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	396297	126.35	ng	-0.01
7) Phenol-d6	7.28	99	628700	130.18	ng	-0.01
23) Nitrobenzene-d5	9.32	82	460989	95.07	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	311564	131.01	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	948539	79.18	ng	-0.02
79) Terphenyl-d14	20.11	244	1602959	82.07	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1538	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	67192	15.456	ng	# 71
50) Dimethylphthalate	14.21	163	157906	10.908	ng	# 98
57) 2,4-Dinitrotoluene	14.77	165	23247	6.055	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.25	198	1531	7.684	ng	# 39
67) 4-Bromophenyl-phenylether	16.25	248	24672	4.360	ng	# 1
77) Benizidine	20.11	184	27768	2.344	ng	# 91

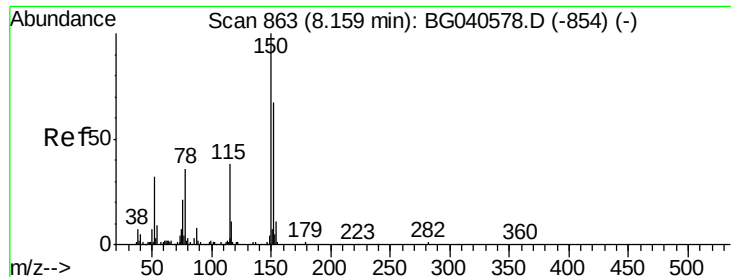
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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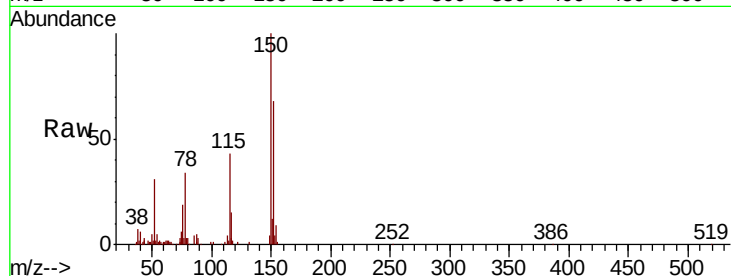


#1

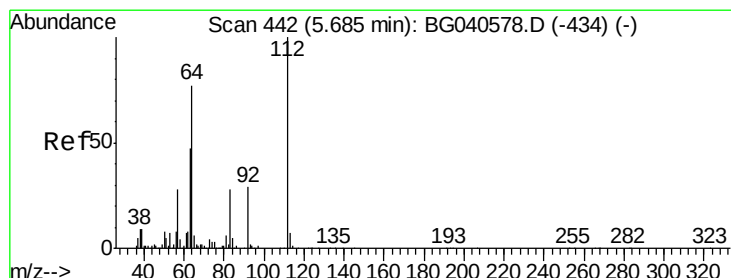
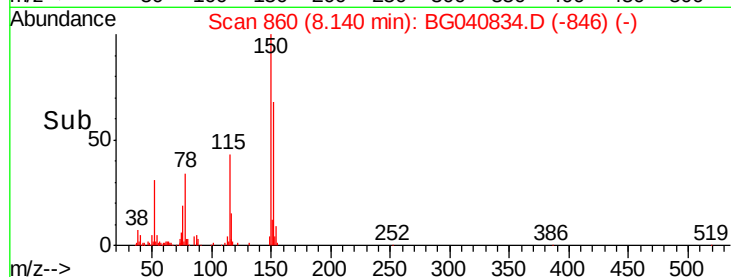
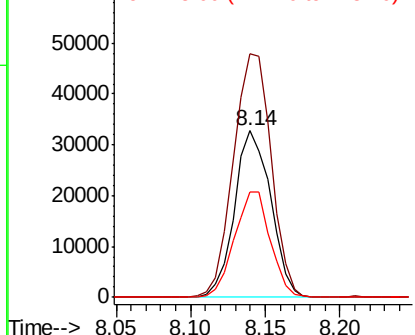
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040834.D
Acq: 10 May 2019 2:43

Instrument :
BNA_G
ClientSampleId :
P021-SS010-0612-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	146.2	120.2	180.2
115	63.3	46.2	69.2



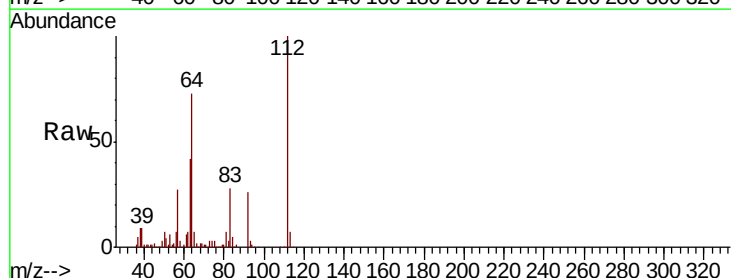
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



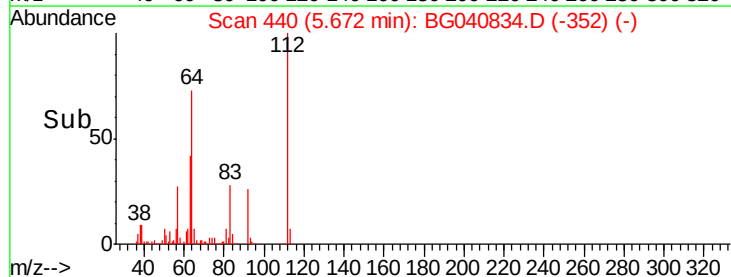
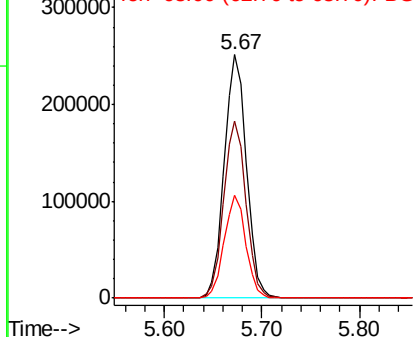
#5

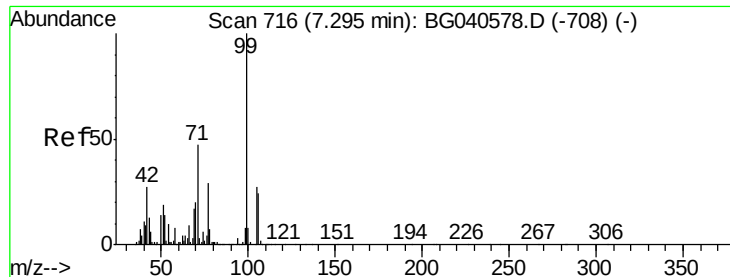
2-Fluorophenol
Concen: 126.346 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040834.D
Acq: 10 May 2019 2:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	61.4	92.0
63	42.1	37.8	56.6



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: 130.179 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040834.D

Acq: 10 May 2019 2:43

Instrument :

BNA_G

ClientSampleId :

P021-SS010-0612-01

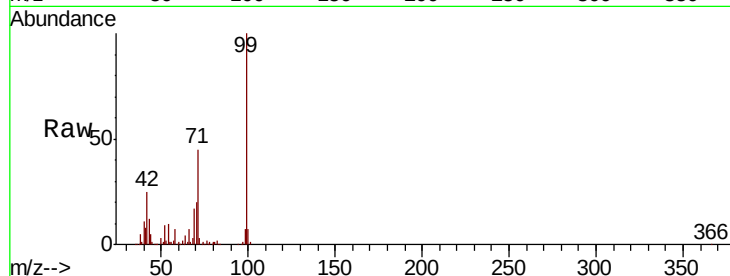
Tgt Ion: 99 Resp: 628700

Ion Ratio Lower Upper

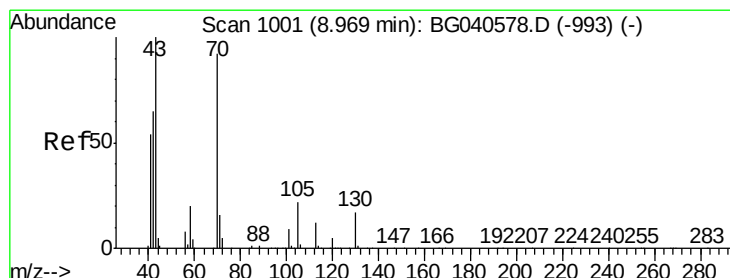
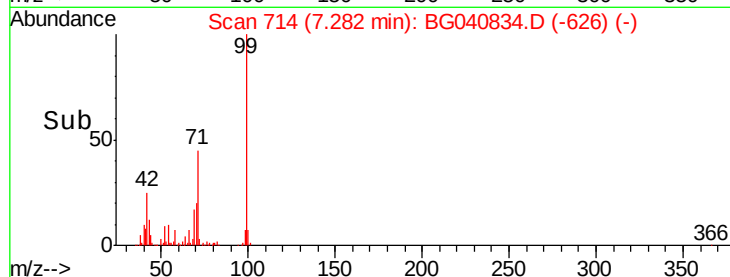
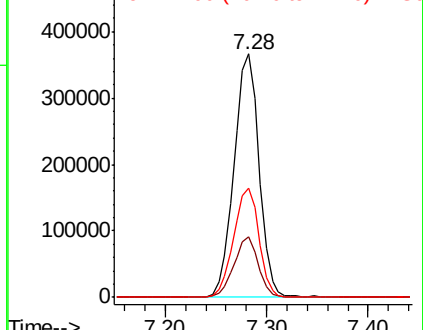
99 100

42 24.9 21.8 32.8

71 45.0 38.6 57.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.456 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040834.D

Acq: 10 May 2019 2:43

Tgt Ion: 70 Resp: 67192

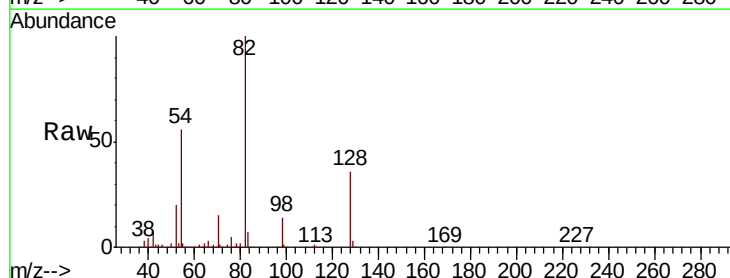
Ion Ratio Lower Upper

70 100

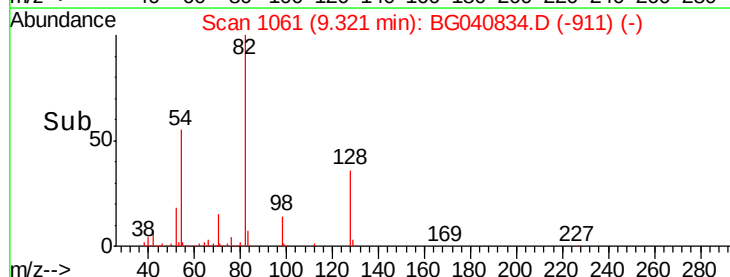
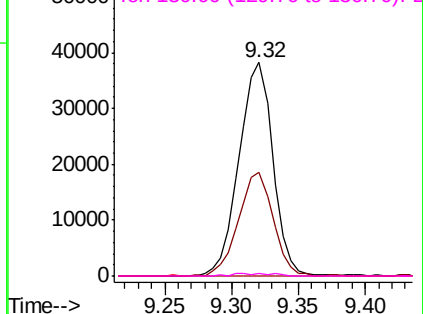
42 48.5 57.1 85.7#

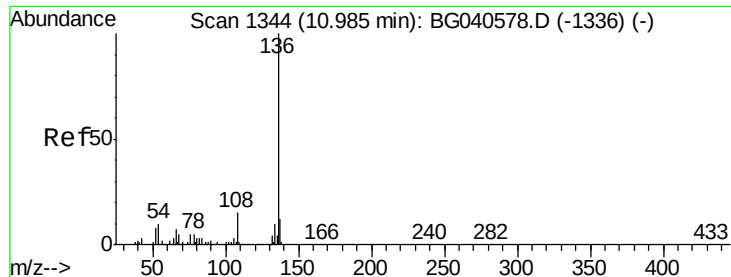
101 0.0 7.8 11.8#

130 1.4 14.6 21.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

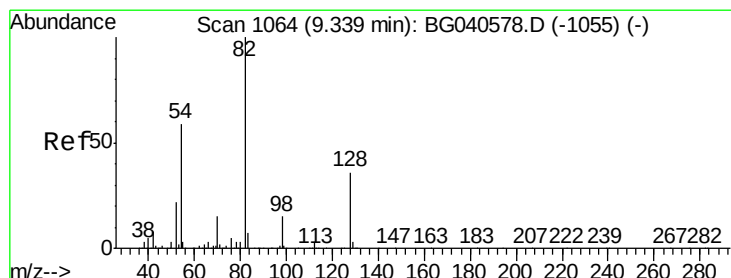
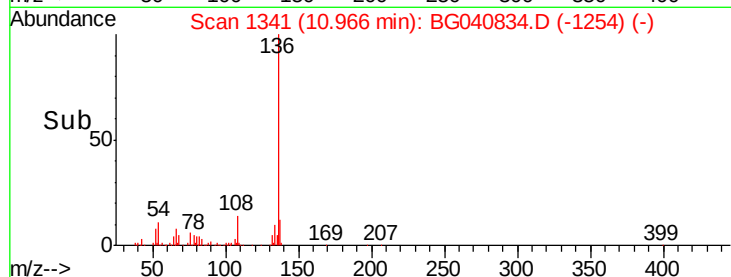
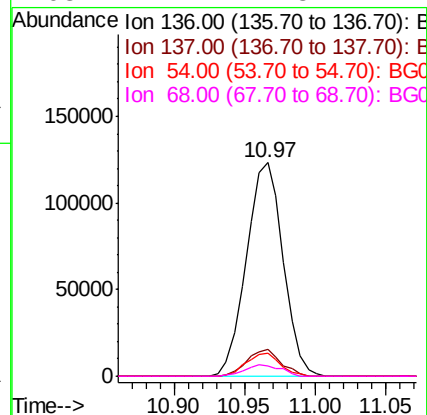
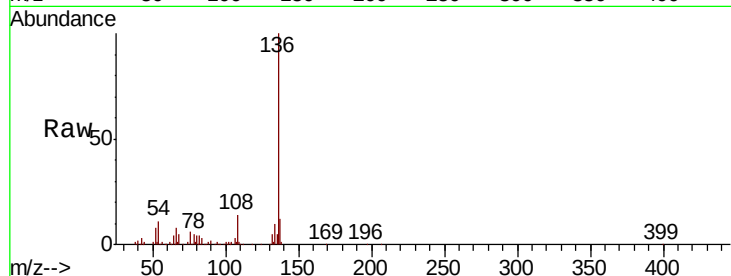




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040834.D
Acq: 10 May 2019 2:43

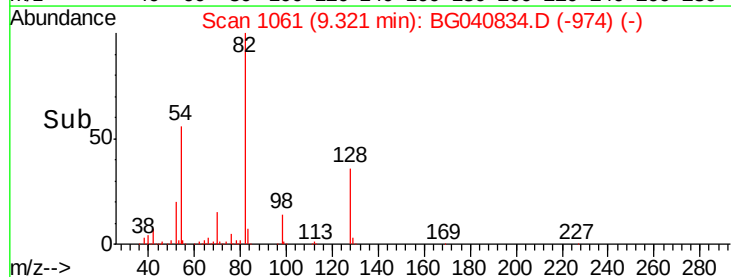
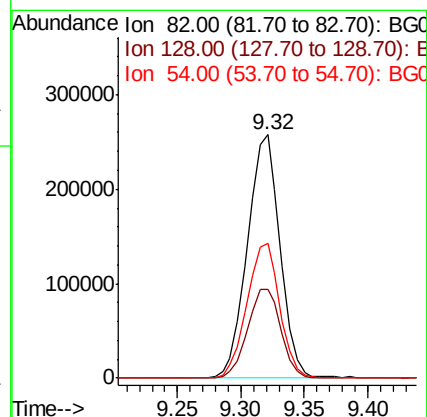
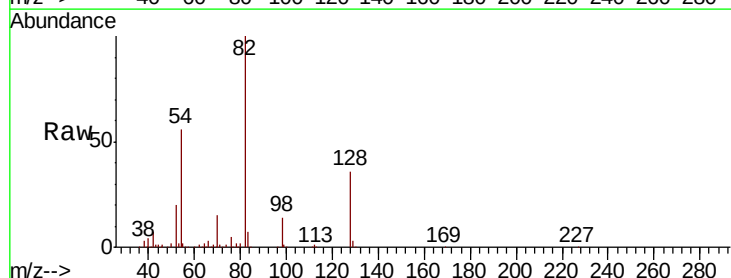
Instrument :
BNA_G
ClientSampleId :
P021-SS010-0612-01

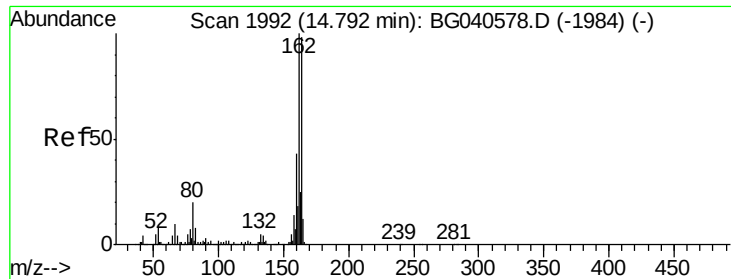
Tgt Ion:	136	Resp:	224060
Ion Ratio	Lower	Upper	
136	100		
137	12.4	9.7	14.5
54	11.0	8.6	12.8
68	4.7	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 95.066 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040834.D
Acq: 10 May 2019 2:43

Tgt Ion:	82	Resp:	460989
Ion Ratio	Lower	Upper	
82	100		
128	36.2	28.9	43.3
54	55.6	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: BG040834.D

Acq: 10 May 2019 2:43

Instrument :

BNA_G

ClientSampleId :

P021-SS010-0612-01

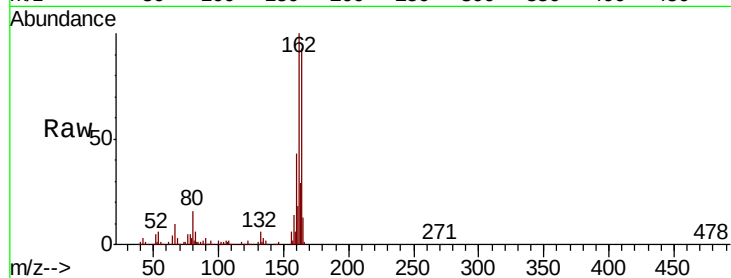
Tgt Ion:164 Resp: 173014

Ion Ratio Lower Upper

164 100

162 107.6 81.9 122.9

160 46.3 35.4 53.2

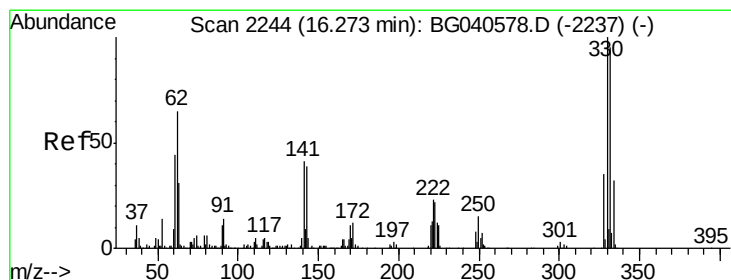
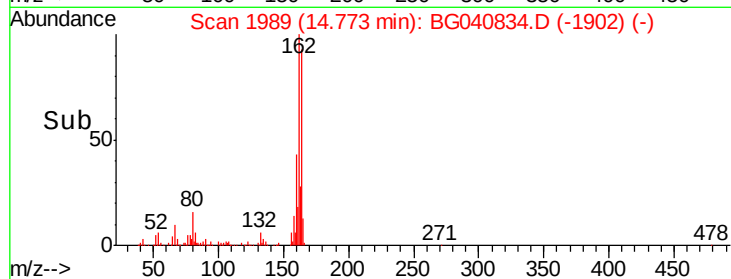
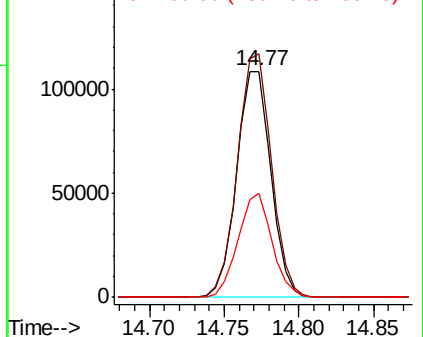


Abundance

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: 131.013 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040834.D

Acq: 10 May 2019 2:43

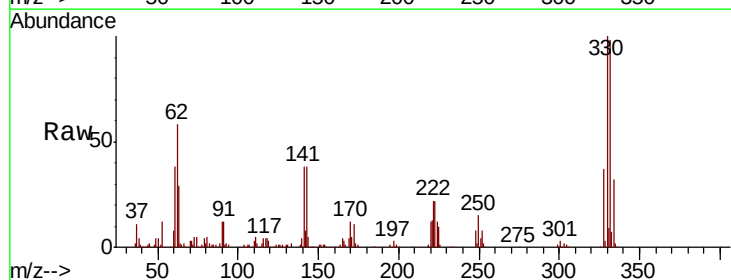
Tgt Ion:330 Resp: 311564

Ion Ratio Lower Upper

330 100

332 98.0 75.9 113.9

141 37.1 32.4 48.6

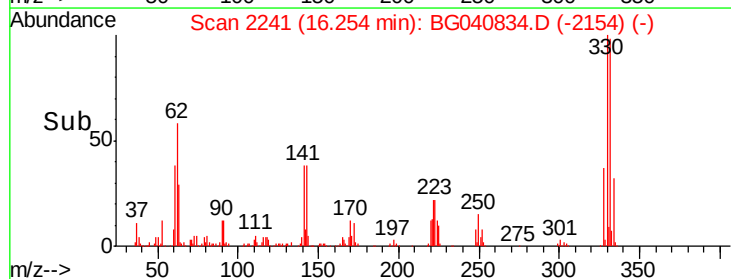
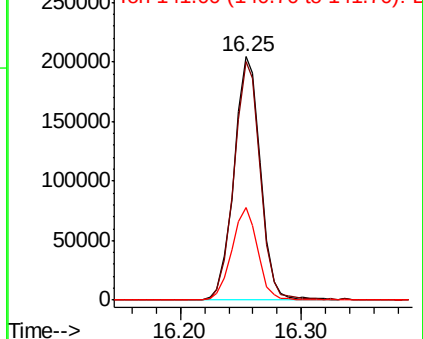


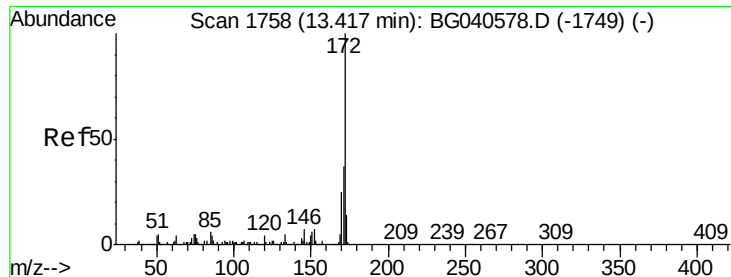
Abundance

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

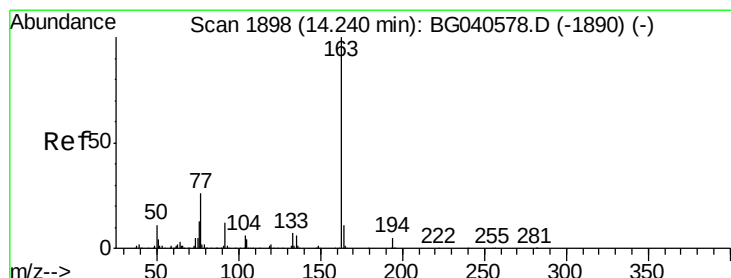
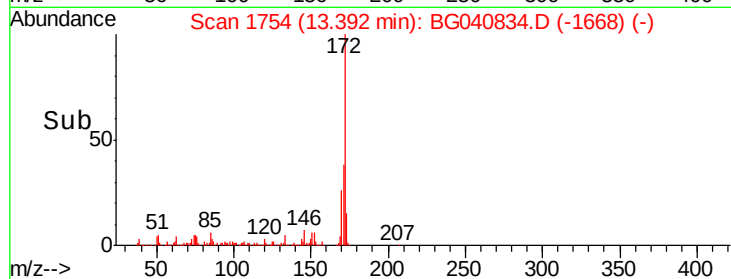
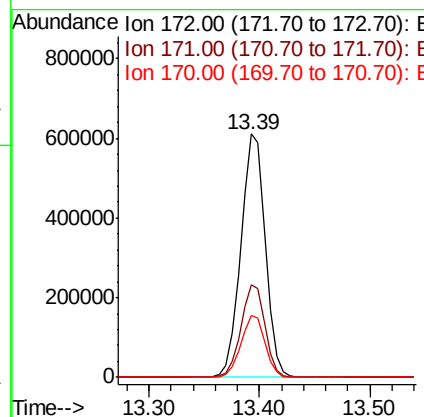
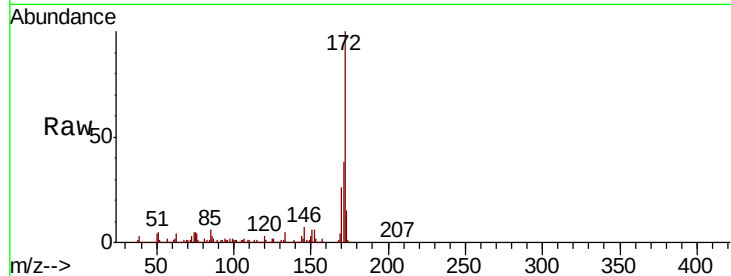




#45
2-Fluorobiphenyl
Concen: 79.177 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG040834.D
Acq: 10 May 2019 2:43

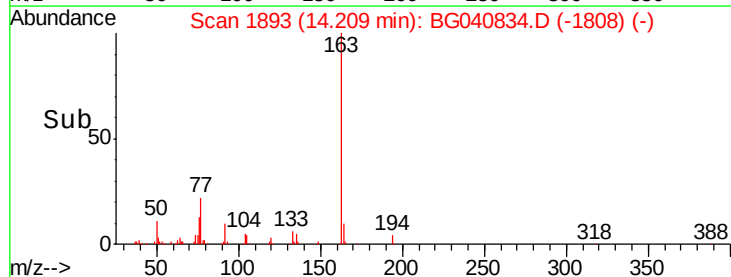
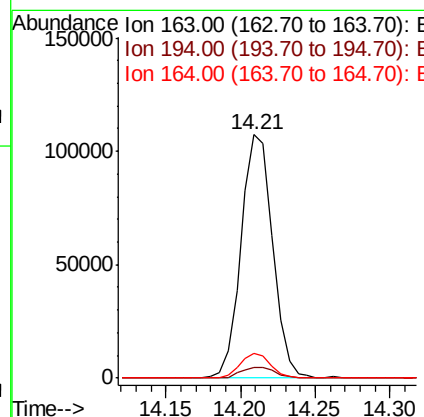
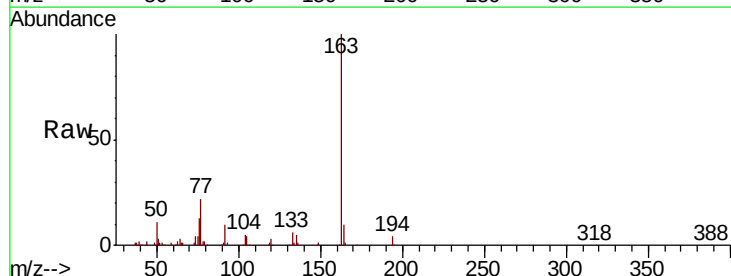
Instrument :
BNA_G
ClientSampleId :
P021-SS010-0612-01

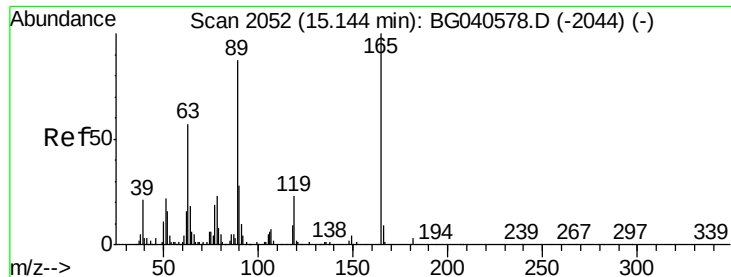
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.4	44.2
170	25.7	19.9	29.9



#50
Dimethylphthalate
Concen: 10.908 ng
RT: 14.21 min Scan# 1893
Delta R.T. -0.03 min
Lab File: BG040834.D
Acq: 10 May 2019 2:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.8	5.8
164	10.1	8.8	13.2





#57

2,4-Dinitrotoluene

Concen: 6.055 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040834.D

Acq: 10 May 2019 2:43

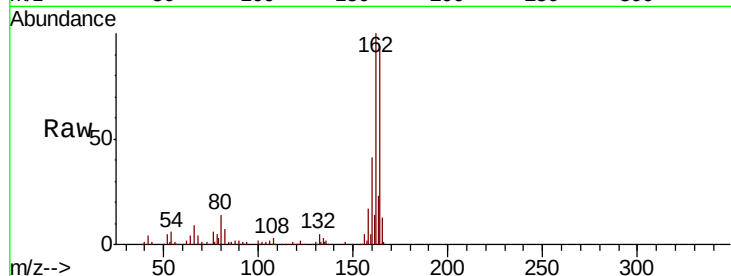
Instrument :

BNA_G

ClientSampleId :

P021-SS010-0612-01

Tgt Ion:	165	Resp:	23247
Ion	Ratio	Lower	Upper
165	100		
63	1.8	45.8	68.8#
89	1.9	69.4	104.2#
182	0.0	2.2	3.4#

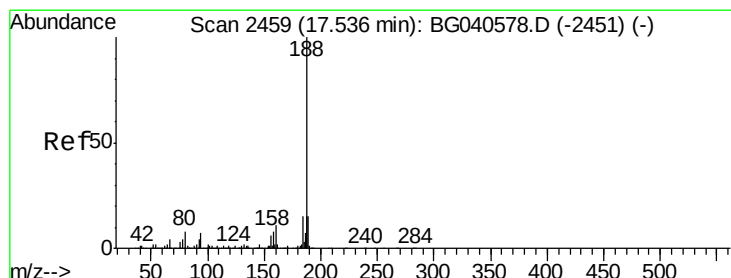
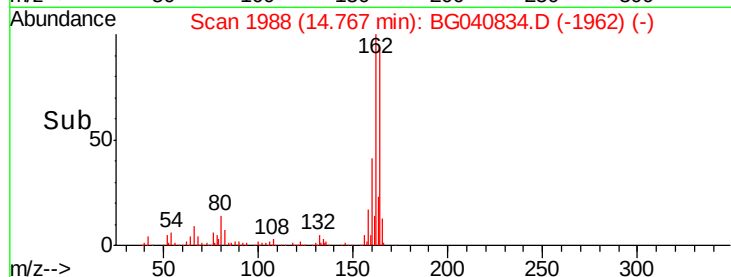
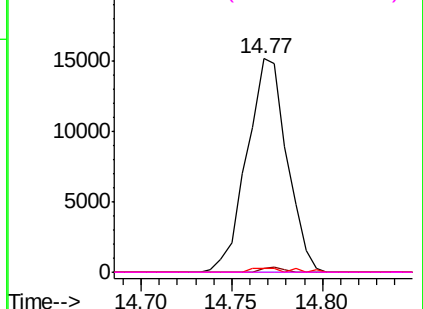


Abundance Ion 165.00 (164.70 to 165.70): E

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

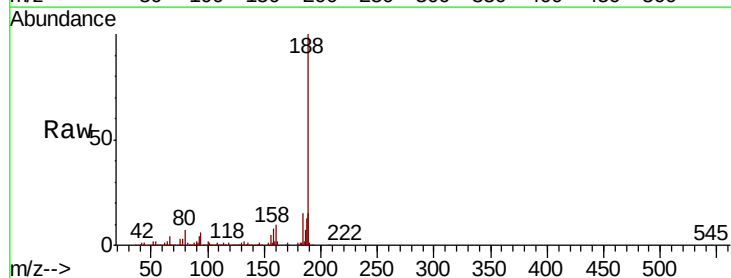
RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040834.D

Acq: 10 May 2019 2:43

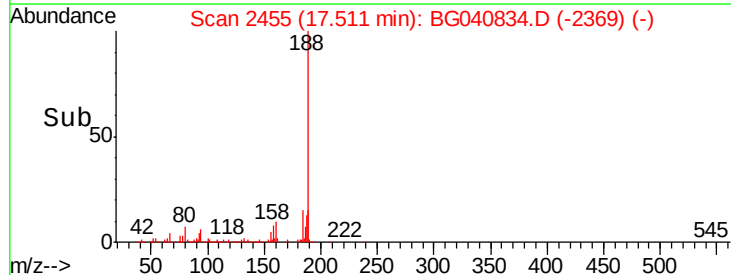
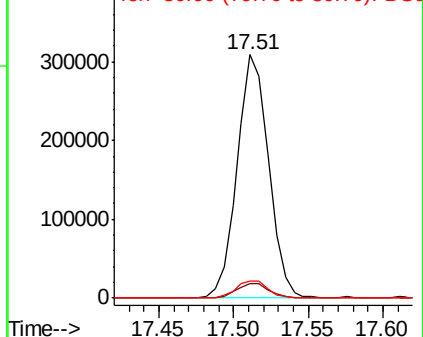
Tgt Ion:	188	Resp:	454185
Ion	Ratio	Lower	Upper
188	100		
94	5.9	5.6	8.4
80	7.1	6.4	9.6

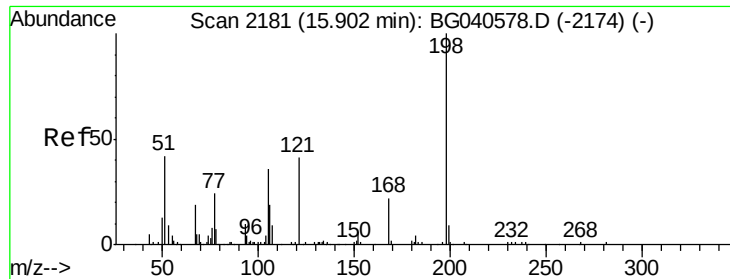


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.684 ng

RT: 16.25 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040834.D

Acq: 10 May 2019 2:43

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P021-SS010-0612-01

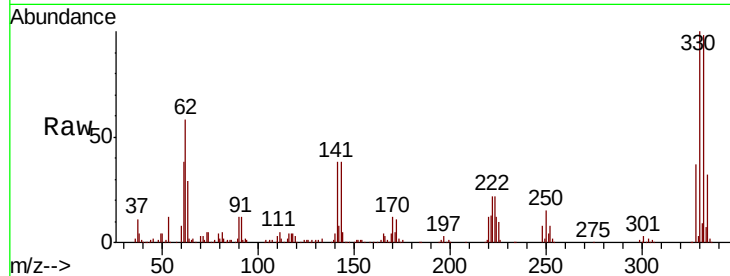
Tgt Ion:198 Resp: 1531

Ion Ratio Lower Upper

198 100

51 73.1 35.9 75.9

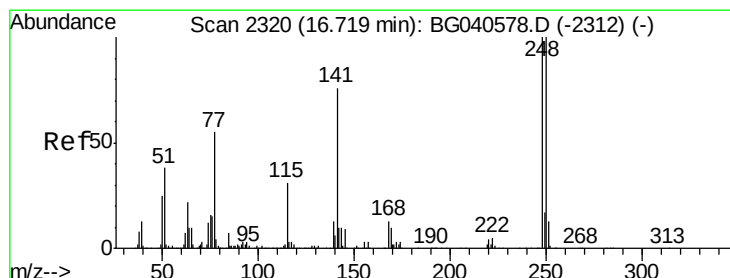
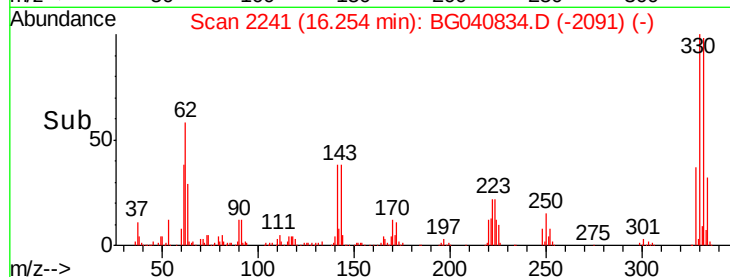
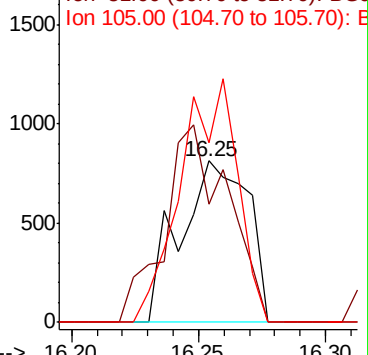
105 111.2 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.360 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.47 min

Lab File: BG040834.D

Acq: 10 May 2019 2:43

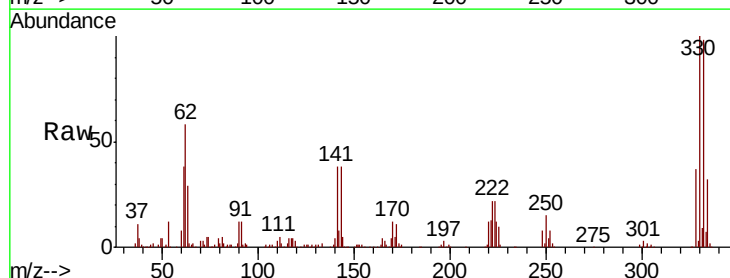
Tgt Ion:248 Resp: 24672

Ion Ratio Lower Upper

248 100

250 188.4 79.8 119.6#

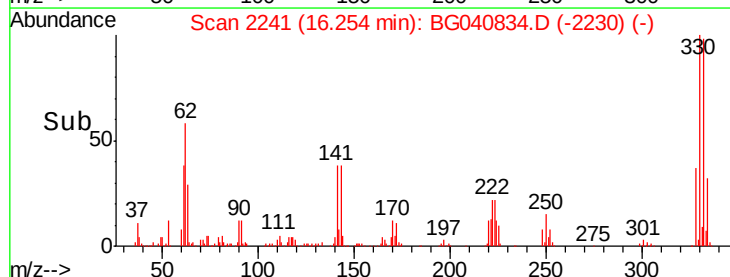
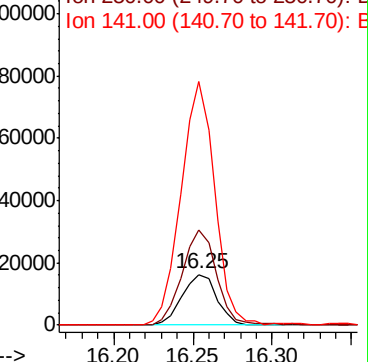
141 483.4 60.8 91.2#

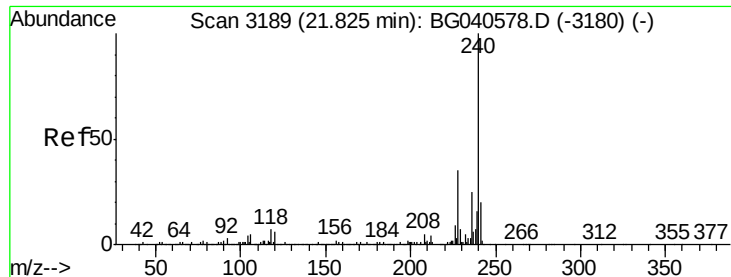


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

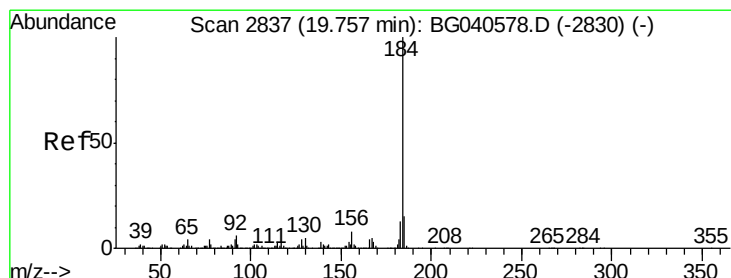
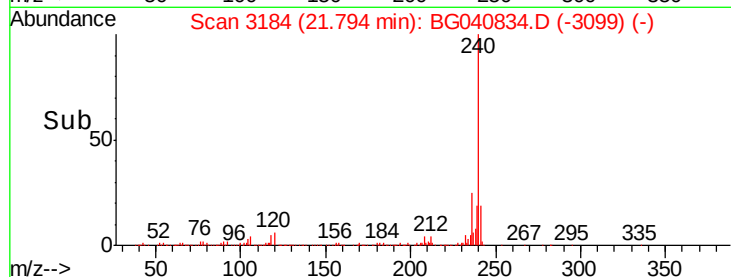
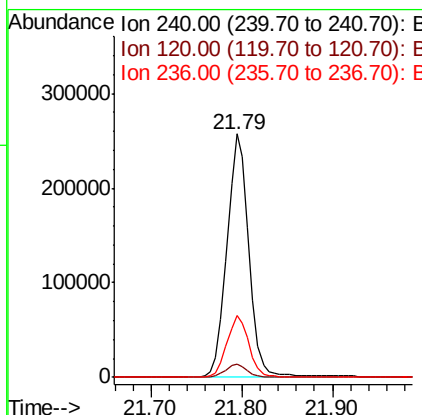
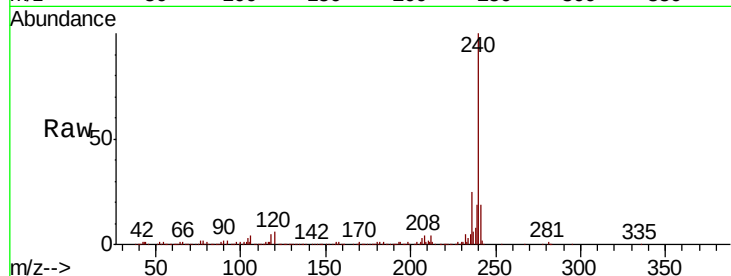




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040834.D
Acq: 10 May 2019 2:43

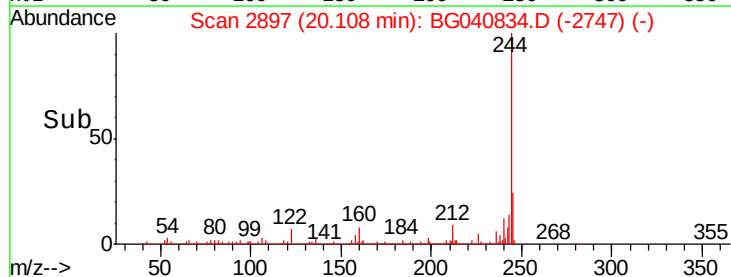
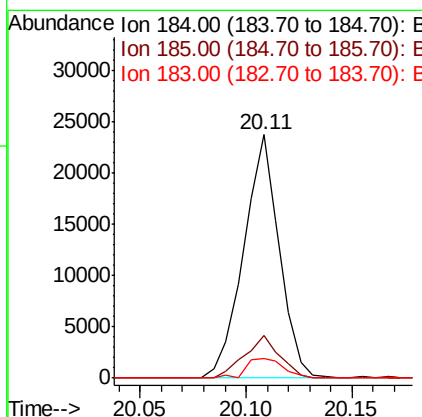
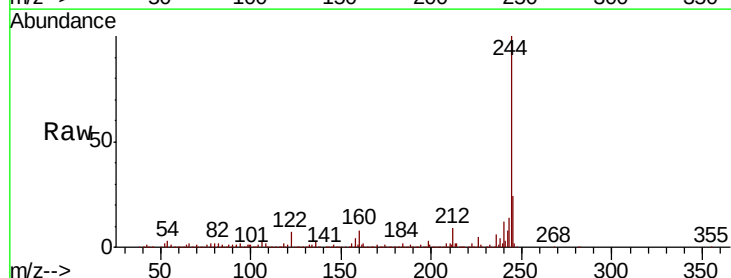
Instrument :
BNA_G
ClientSampleId :
P021-SS010-0612-01

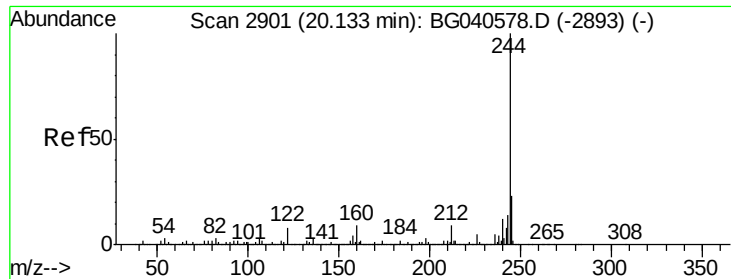
Tgt Ion: 240 Resp: 432730
Ion Ratio Lower Upper
240 100
120 5.6 5.0 7.6
236 25.2 20.3 30.5



#77
Benzidine
Concen: 2.344 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040834.D
Acq: 10 May 2019 2:43

Tgt Ion: 184 Resp: 27768
Ion Ratio Lower Upper
184 100
185 17.3 11.8 17.8
183 8.2 10.2 15.2#





#79

Terphenyl-d14

Concen: 82.066 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040834.D

Acq: 10 May 2019 2:43

Instrument :

BNA_G

ClientSampleId :

P021-SS010-0612-01

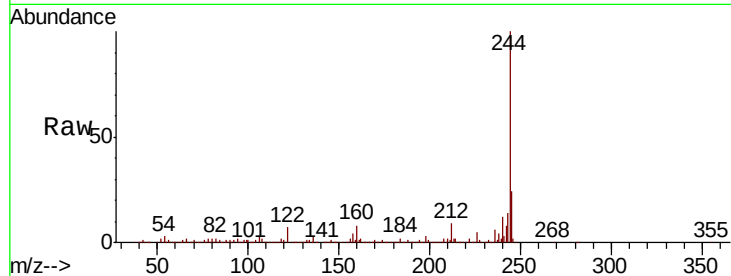
Tgt Ion:244 Resp: 1602959

Ion Ratio Lower Upper

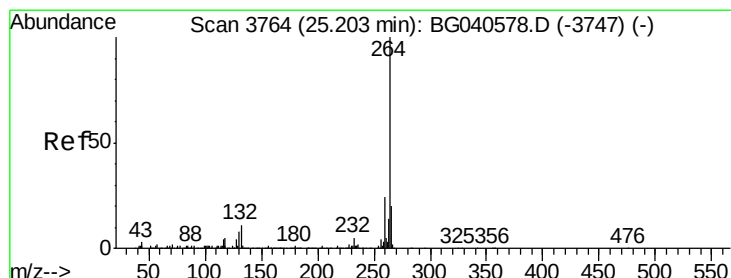
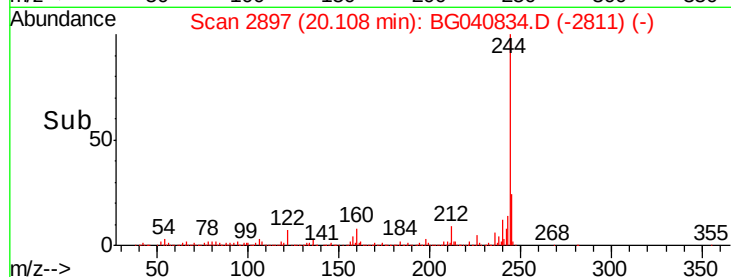
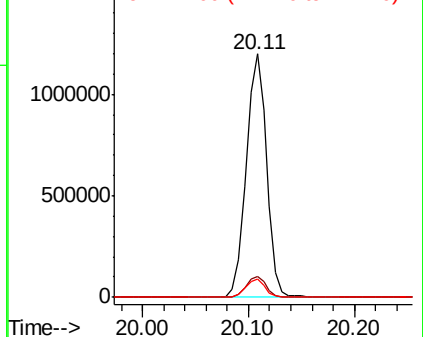
244 100

212 8.8 7.2 10.8

122 7.4 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: BG040834.D

Acq: 10 May 2019 2:43

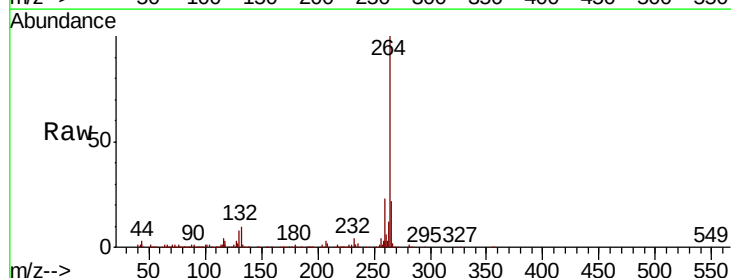
Tgt Ion:264 Resp: 438619

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 22.4 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

