

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100319\
 Data File : BG043012.D
 Acq On : 3 Oct 2019 15:15
 Operator : JU
 Sample : K5168-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190764-SS-COMPOSITE-4

Quant Time: Oct 04 07:25:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

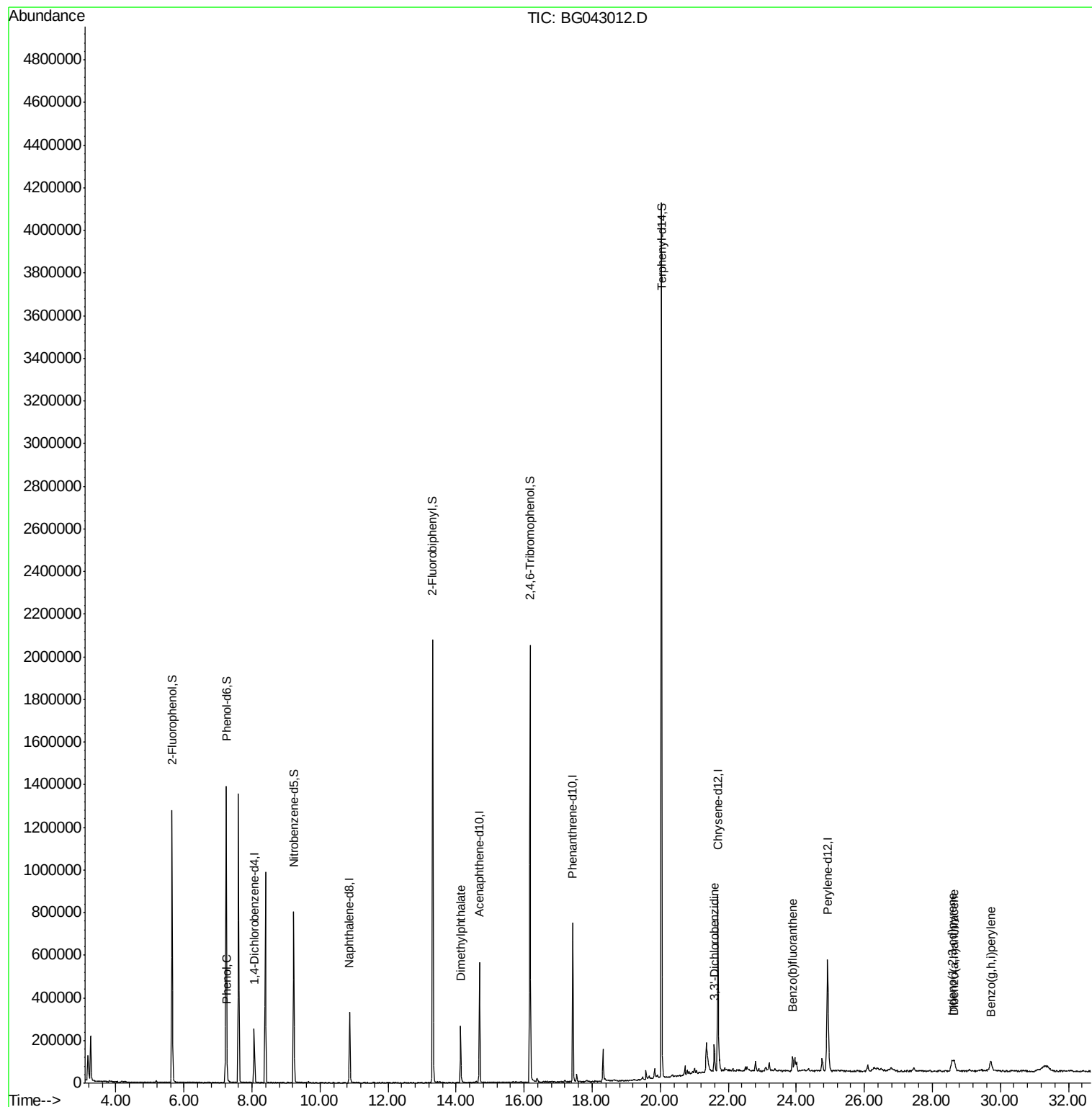
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	75941	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	287912	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	209850	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	469622	20.00	ng	0.00
76) Chrysene-d12	21.69	240	508549	20.00	ng	-0.02
87) Perylene-d12	24.92	264	619655	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	545730	128.25	ng	0.00
7) Phenol-d6	7.24	99	797710	130.18	ng	0.00
23) Nitrobenzene-d5	9.23	82	499217	84.28	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	444774	123.26	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1173499	81.07	ng	0.00
79) Terphenyl-d14	20.04	244	1951663	81.78	ng	0.00
Target Compounds						
10) Phenol	7.27	94	29995	5.335	ng	87
50) Dimethylphthalate	14.13	163	187564	11.929	ng	99
82) 3,3'-Dichlorobenzidine	21.59	252	36909	2.970	ng	98
86) Indeno(1,2,3-cd)pyrene	28.59	276	107885	2.818	ng	# 92
88) Benzo(b)fluoranthene	23.90	252	71910	2.051	ng	95
91) Dibenzo(a,h)anthracene	28.65	278	88201	2.600	ng	99
92) Benzo(g,h,i)perylene	29.71	276	93941	2.858	ng	# 97

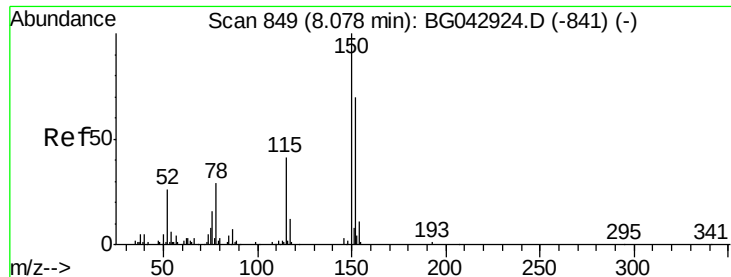
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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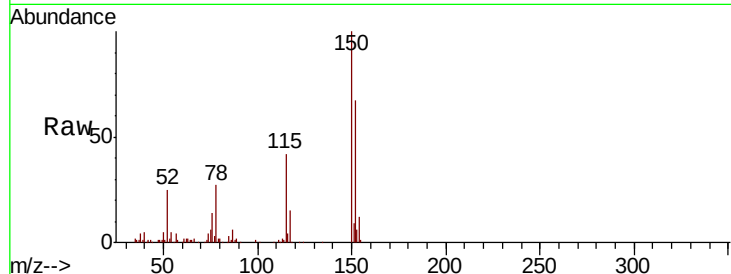


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 847
Delta R.T. -0.01 min
Lab File: BG043012.D
Acq: 3 Oct 2019 15:15

Instrument :
BNA_G
ClientSampleId :
20190764-SS-COMPOSITE-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.5	115.0	172.4
115	62.3	47.0	70.6

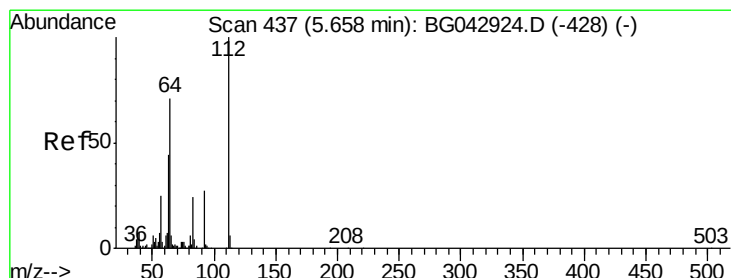
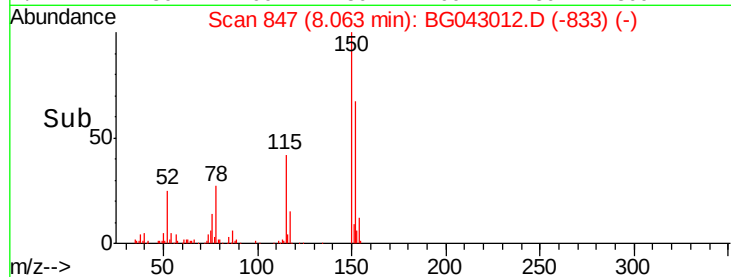
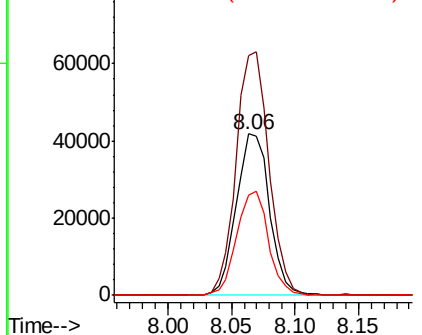


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

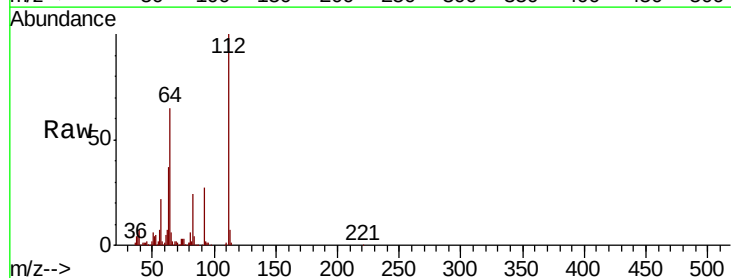
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 128.247 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.01 min
Lab File: BG043012.D
Acq: 3 Oct 2019 15:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	56.6	84.8
63	37.5	35.1	52.7

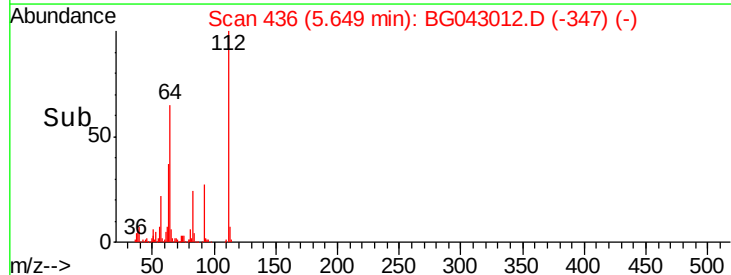
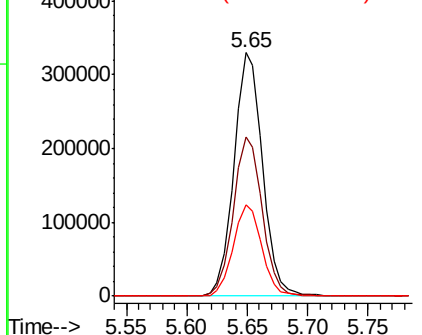


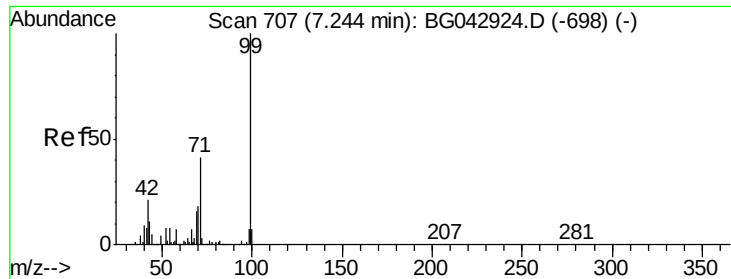
Abundance

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: 130.177 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG043012.D

Acq: 3 Oct 2019 15:15

Instrument :

BNA_G

ClientSampleId :

20190764-SS-COMPOSITE-4

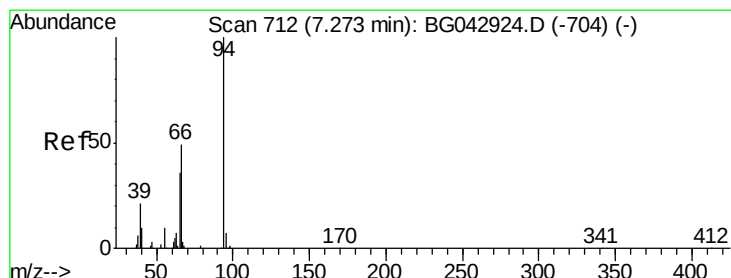
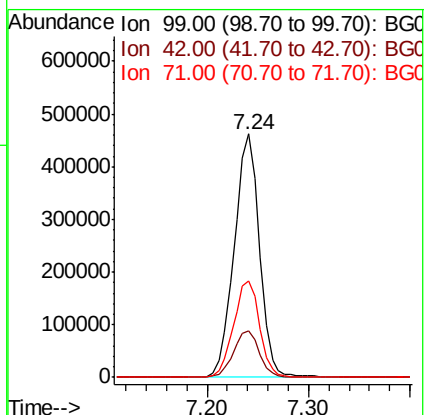
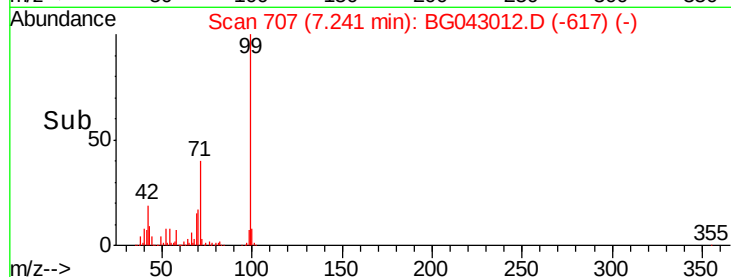
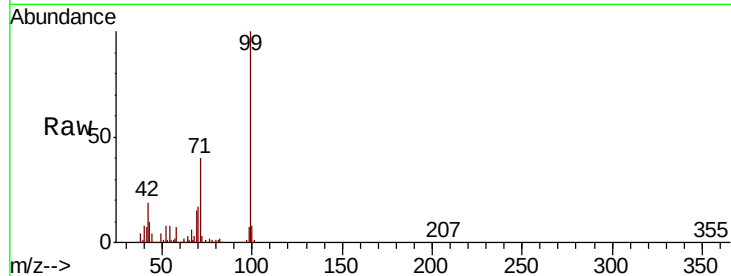
Tot Ion: 99 Resp: 797710

Ion Ratio Lower Upper

99 100

42 19.2 17.2 25.8

71 39.8 33.1 49.7



#10

Phenol

Concen: 5.335 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.00 min

Lab File: BG043012.D

Acq: 3 Oct 2019 15:15

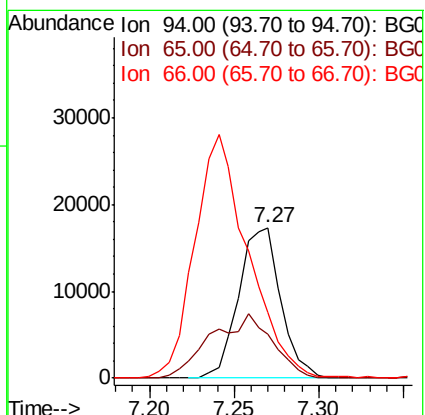
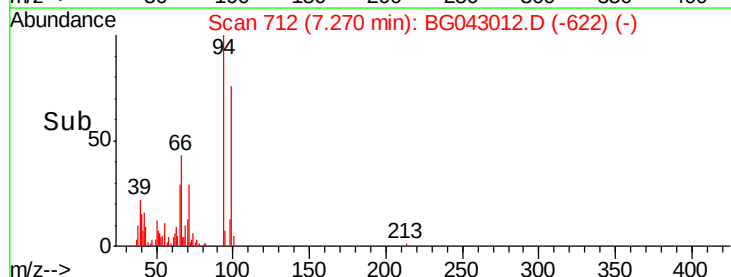
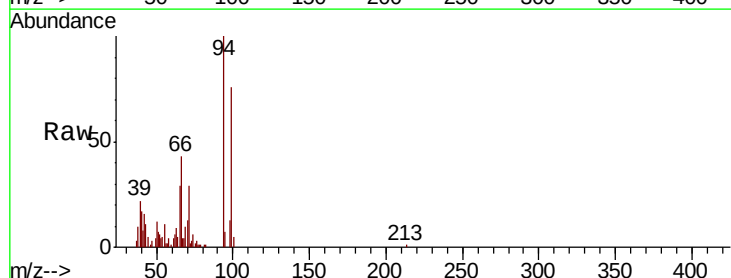
Tgt Ion: 94 Resp: 29995

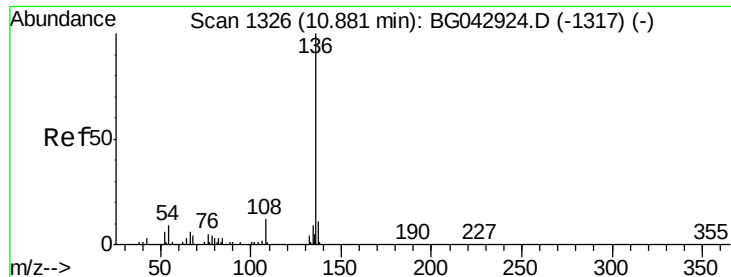
Ion Ratio Lower Upper

94 100

65 29.4 16.6 56.6

66 43.3 32.4 72.4

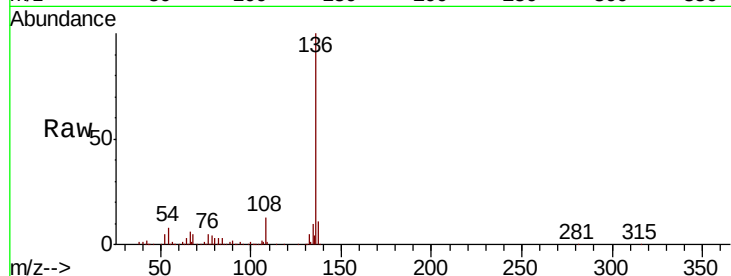




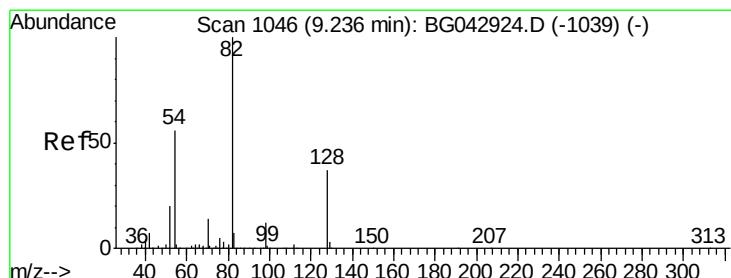
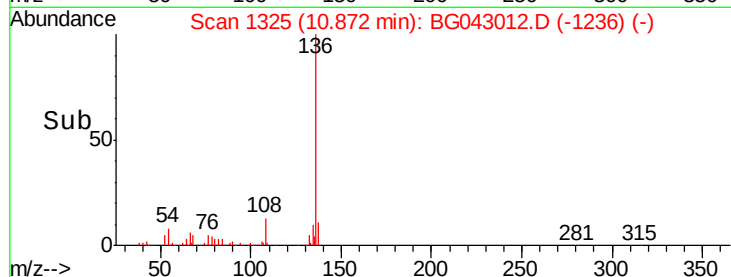
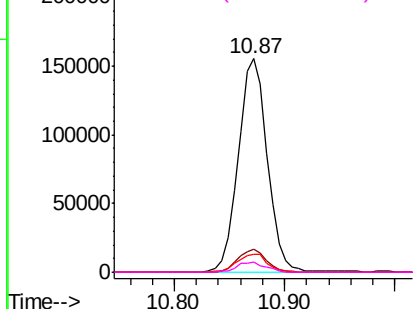
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG043012.D
Acq: 3 Oct 2019 15:15

Instrument :
BNA_G
ClientSampleId :
20190764-SS-COMPOSITE-4

Tot Ion:136	Resp:	287912
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.5 12.7
54	8.3	7.4 11.2
68	4.7	3.6 5.4

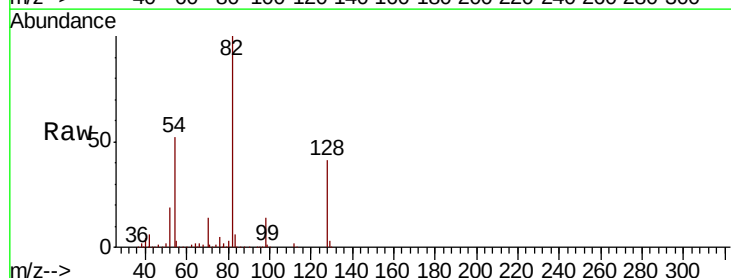


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

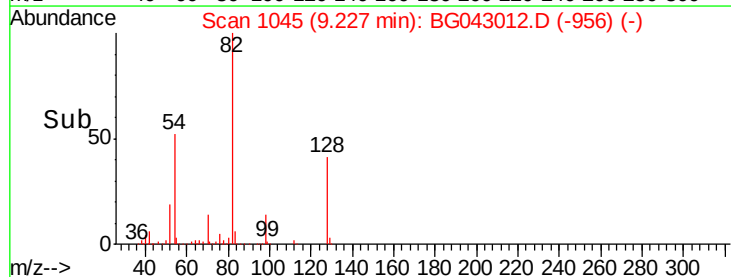
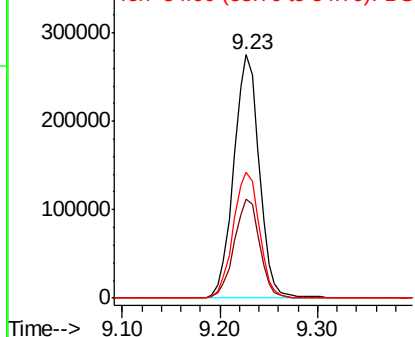


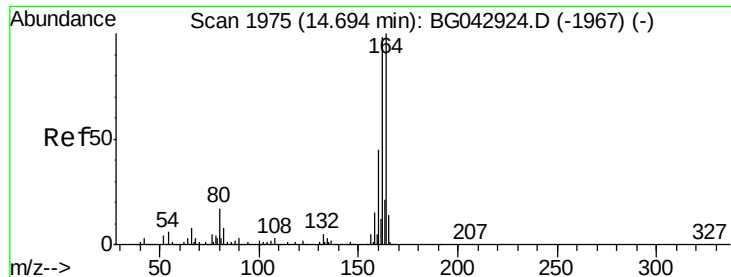
#23
Nitrobenzene-d5
Concen: 84.278 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG043012.D
Acq: 3 Oct 2019 15:15

Tgt Ion: 82	Resp:	499217
Ion	Ratio	Lower Upper
82	100	
128	40.8	29.5 44.3
54	51.9	44.6 67.0



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG043012.D

Acq: 3 Oct 2019 15:15

Instrument :

BNA_G

ClientSampleId :

20190764-SS-COMPOSITE-4

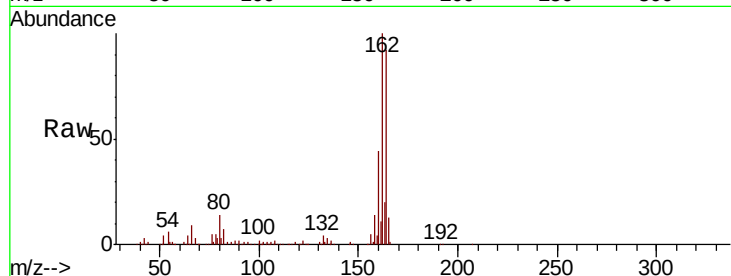
Tot Ion:164 Resp: 209850

Ion Ratio Lower Upper

164 100

162 109.0 78.5 117.7

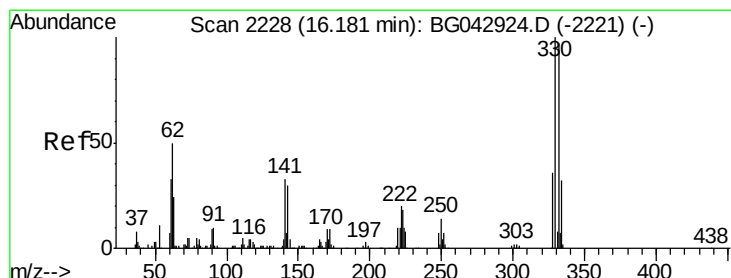
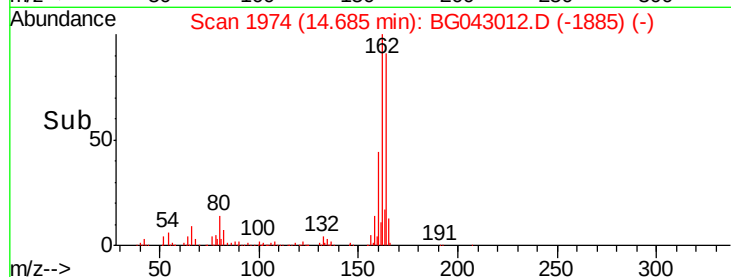
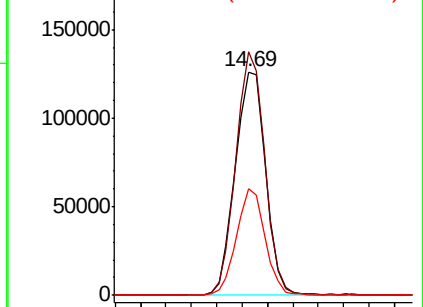
160 47.5 35.9 53.9



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: 123.257 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG043012.D

Acq: 3 Oct 2019 15:15

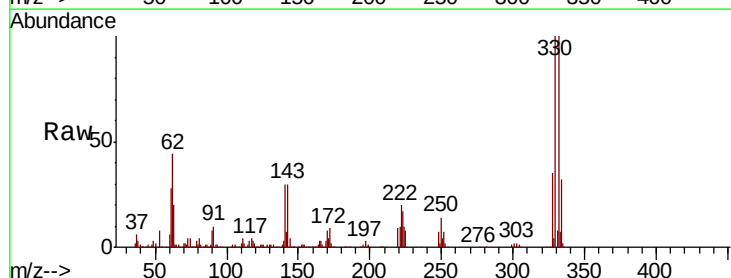
Tgt Ion:330 Resp: 444774

Ion Ratio Lower Upper

330 100

332 97.2 78.2 117.2

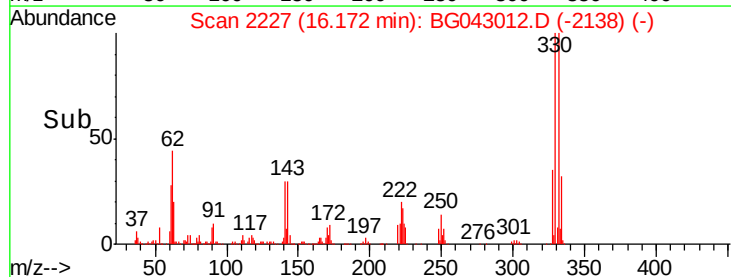
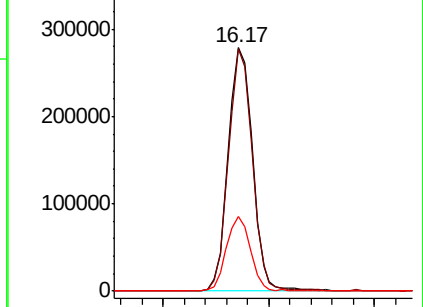
141 30.5 26.0 39.0

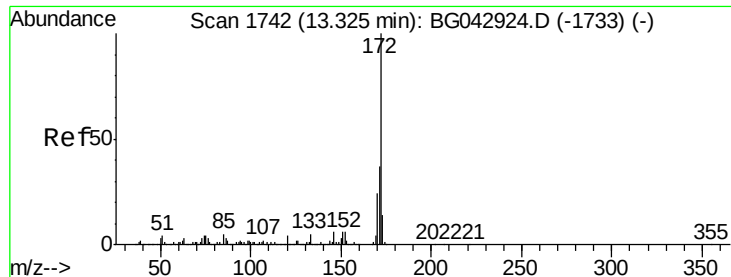


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

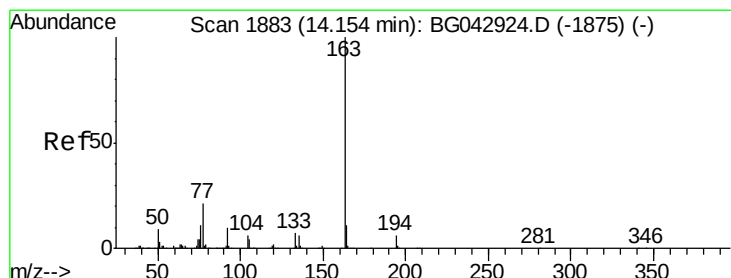
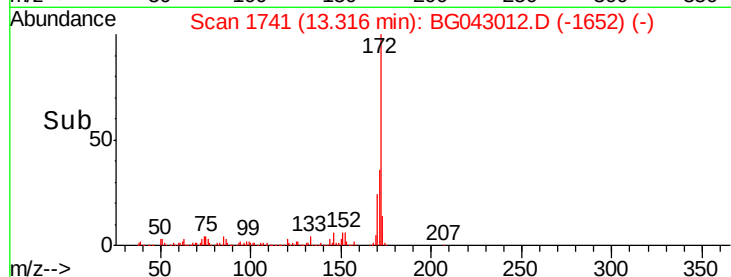
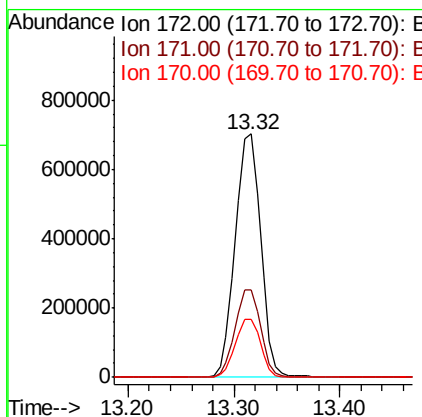
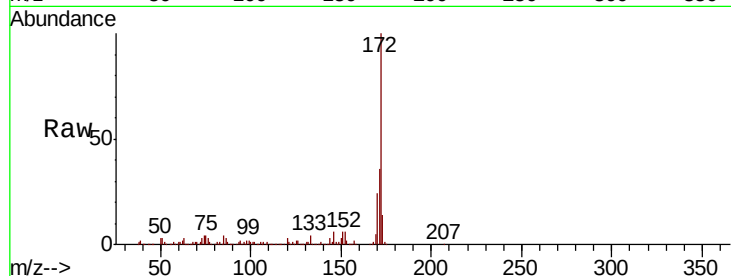




#45
2-Fluorobiphenyl
Concen: 81.068 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.01 min
Lab File: BG043012.D
Acq: 3 Oct 2019 15:15

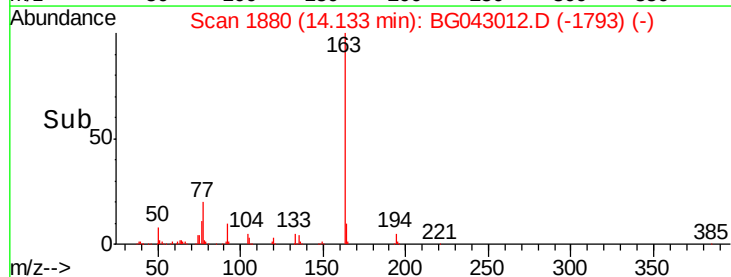
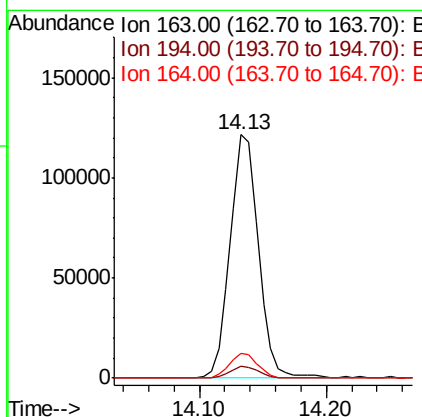
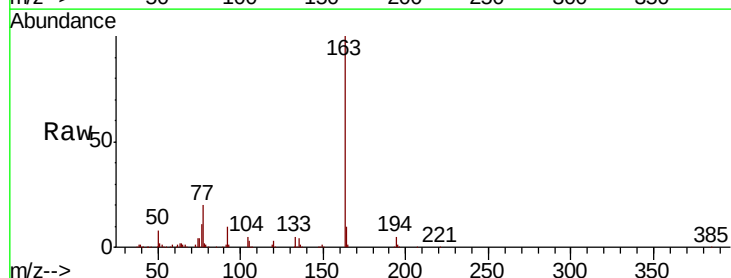
Instrument :
BNA_G
ClientSampleId :
20190764-SS-COMPOSITE-4

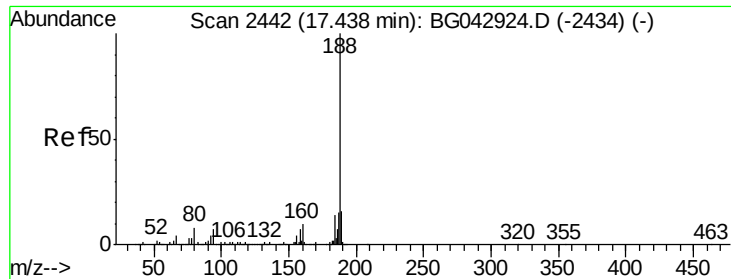
Tot Ion:172 Resp: 1173499
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.1 19.6 29.4



#50
Dimethylphthalate
Concen: 11.929 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.02 min
Lab File: BG043012.D
Acq: 3 Oct 2019 15:15

Tgt Ion:163 Resp: 187564
Ion Ratio Lower Upper
163 100
194 4.7 4.4 6.6
164 10.4 8.6 12.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG043012.D

Acq: 3 Oct 2019 15:15

Instrument :

BNA_G

ClientSampleId :

20190764-SS-COMPOSITE-4

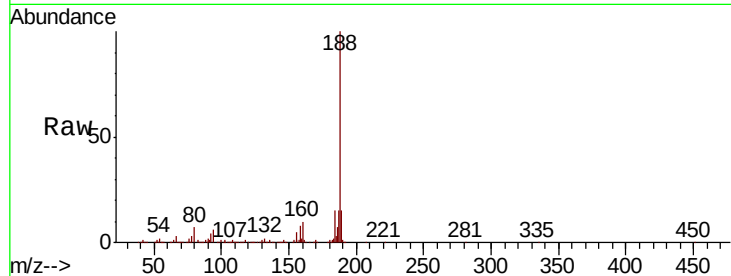
Tot Ion:188 Resp: 469622

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

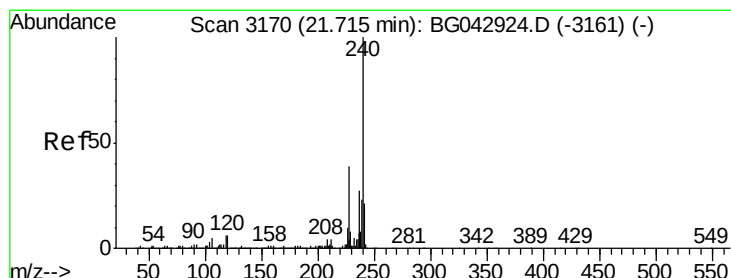
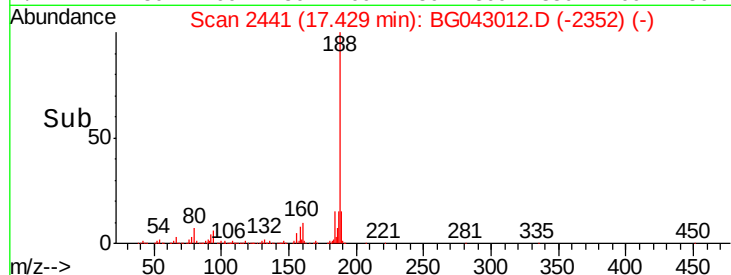
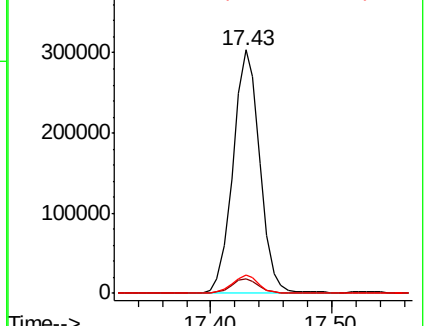
80 7.3 6.5 9.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG043012.D

Acq: 3 Oct 2019 15:15

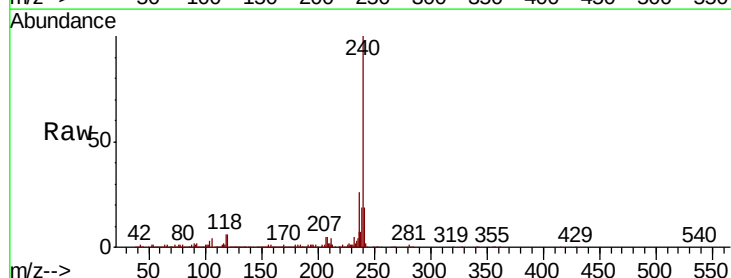
Tgt Ion:240 Resp: 508549

Ion Ratio Lower Upper

240 100

120 5.8 4.8 7.2

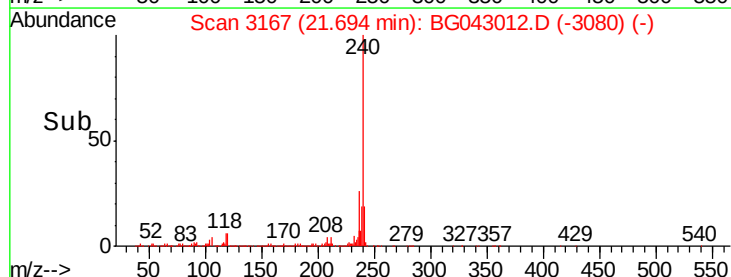
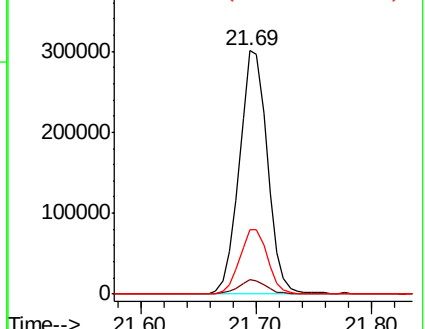
236 26.4 21.4 32.0

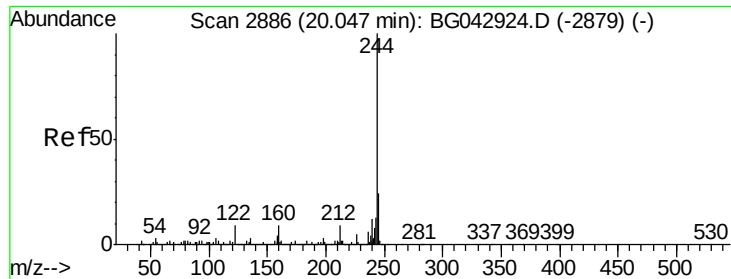


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 81.777 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG043012.D

Acq: 3 Oct 2019 15:15

Instrument :

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ClientSampleId :

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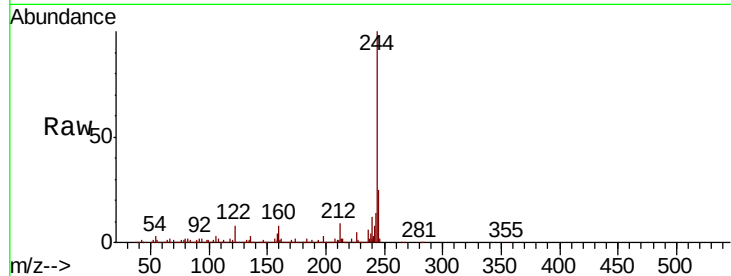
Tot Ion:244 Resp: 1951663

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.0

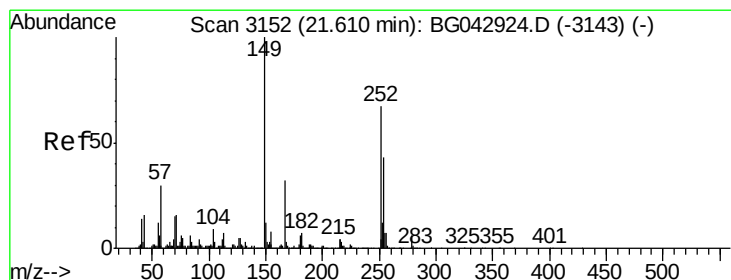
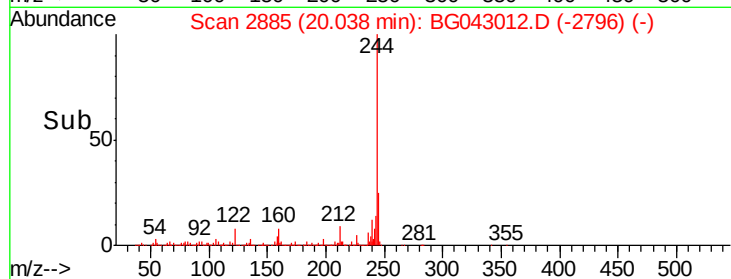
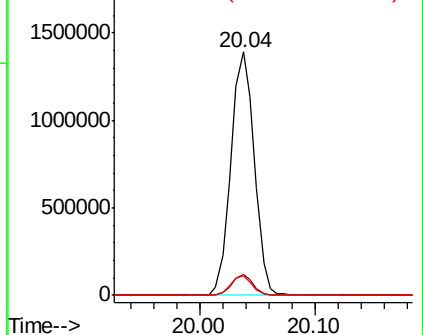
122 8.3 7.0 10.4



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



#82

3,3'-Dichlorobenzidine

Concen: 2.970 ng

RT: 21.59 min Scan# 3150

Delta R.T. -0.02 min

Lab File: BG043012.D

Acq: 3 Oct 2019 15:15

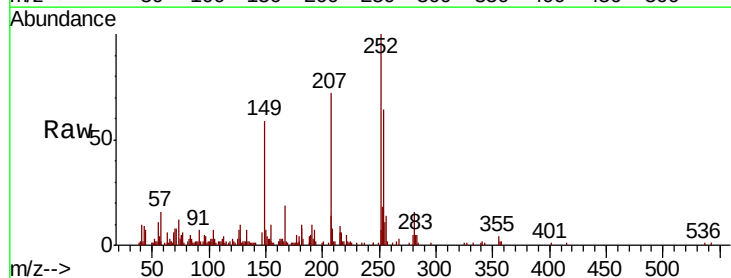
Tgt Ion:252 Resp: 36909

Ion Ratio Lower Upper

252 100

254 63.7 51.9 77.9

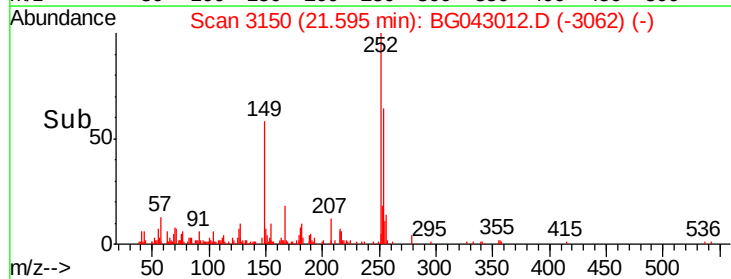
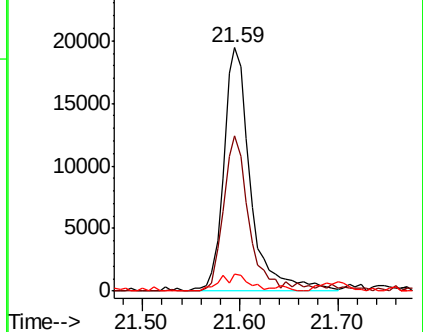
126 6.8 6.1 9.1

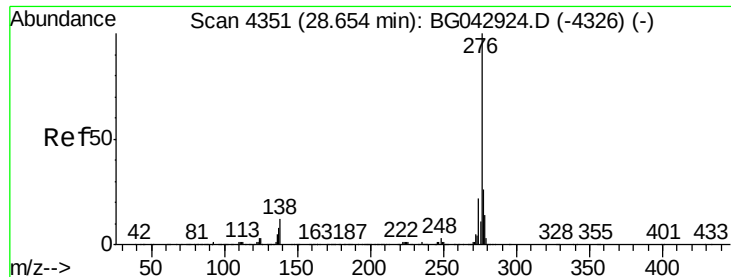


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

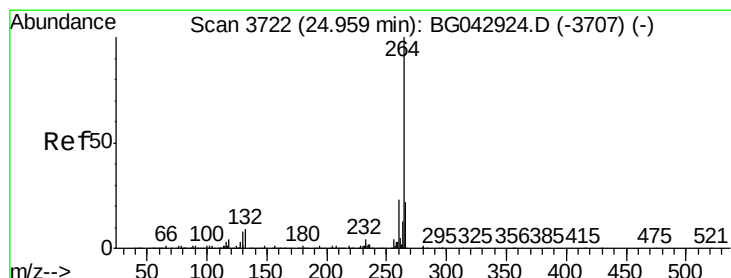
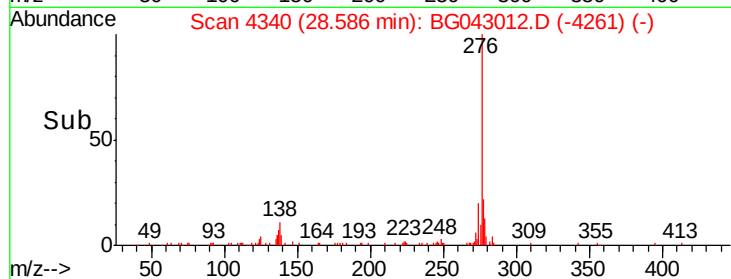
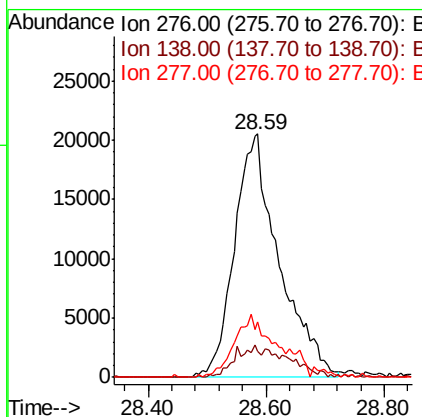
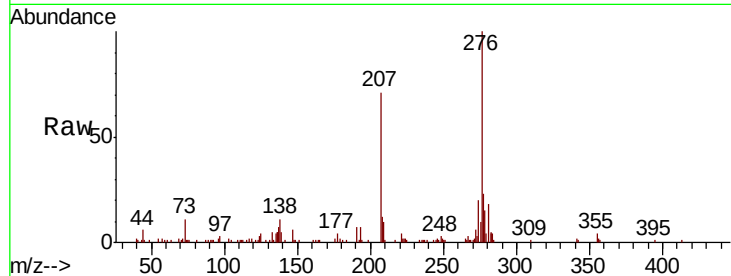




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.818 ng
 RT: 28.59 min Scan# 4340
 Delta R.T. -0.07 min
 Lab File: BG043012.D
 Acq: 3 Oct 2019 15:15

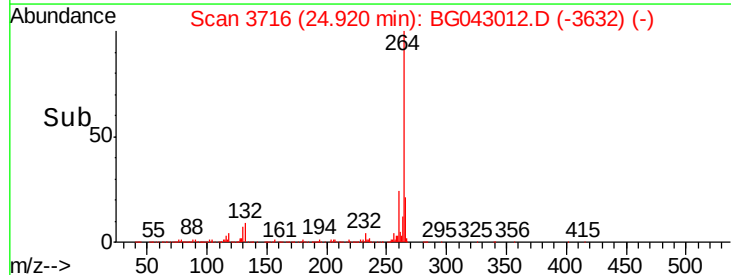
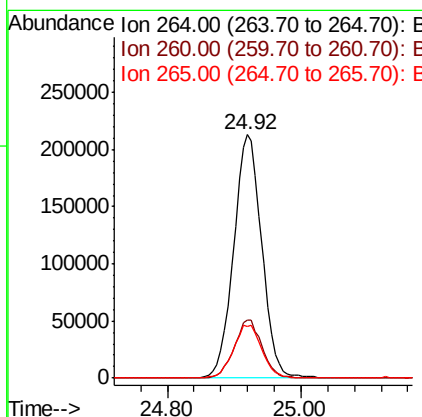
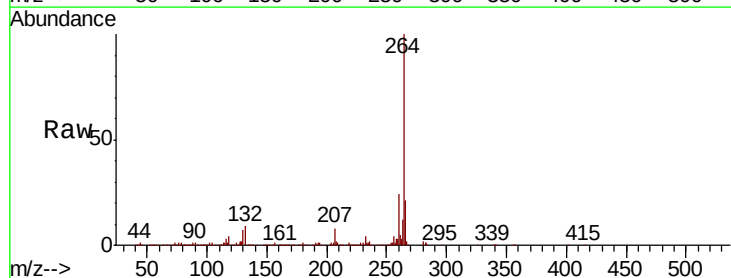
Instrument :
 BNA_G
 ClientSampleId :
 20190764-SS-COMPOSITE-4

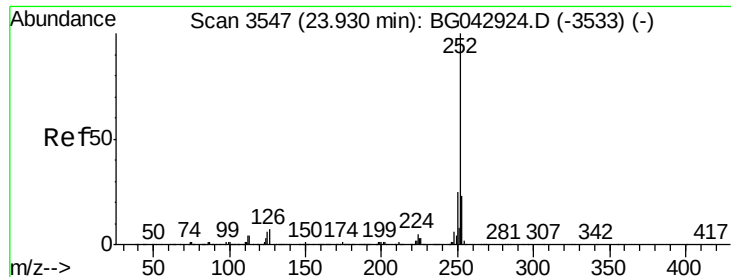
Tot Ion:276 Resp: 107885
 Ion Ratio Lower Upper
 276 100
 138 1.1 7.0 10.6#
 277 24.6 20.9 31.3



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3716
 Delta R.T. -0.04 min
 Lab File: BG043012.D
 Acq: 3 Oct 2019 15:15

Tgt Ion:264 Resp: 619655
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.7 28.1
 265 21.4 17.7 26.5

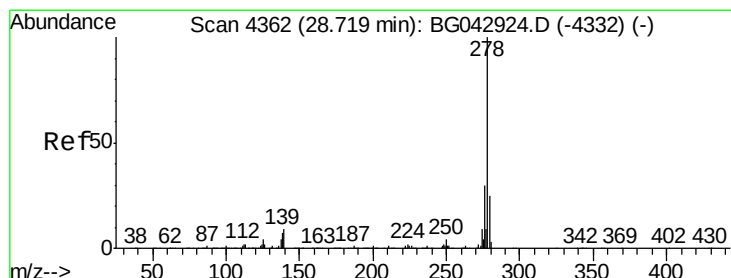
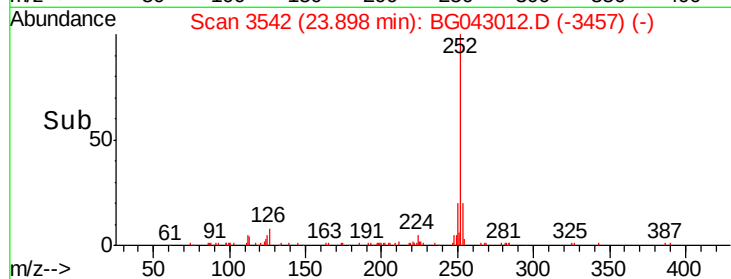
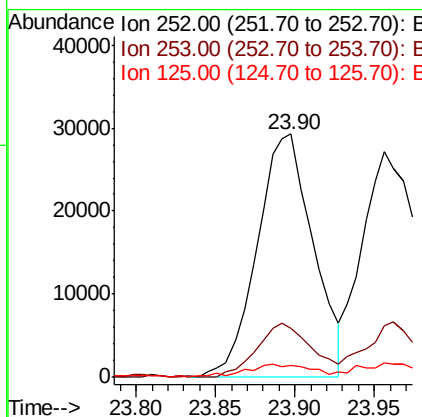
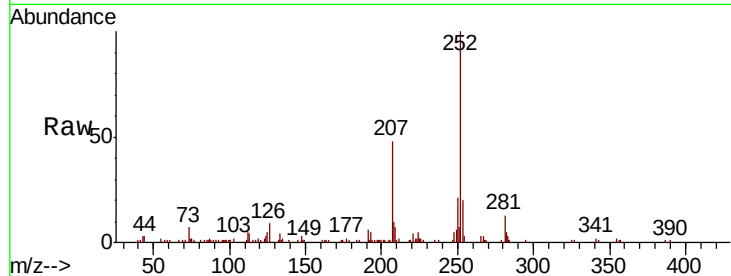




#88
Benzo(b)fluoranthene
Concen: 2.051 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.03 min
Lab File: BG043012.D
Acq: 3 Oct 2019 15:15

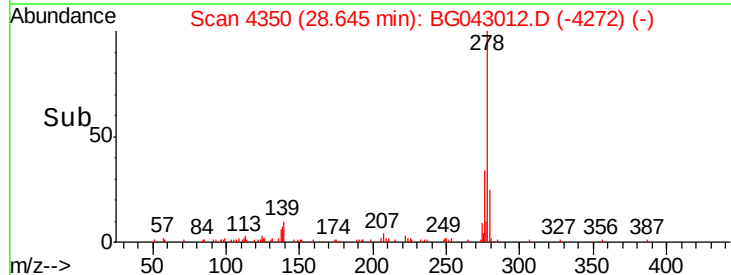
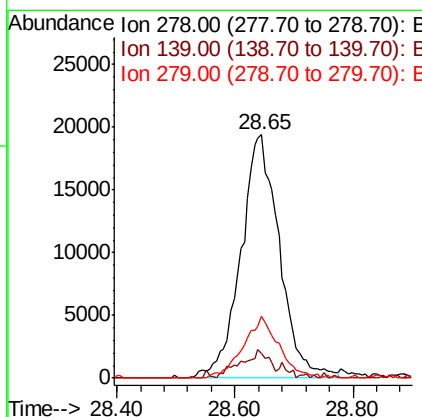
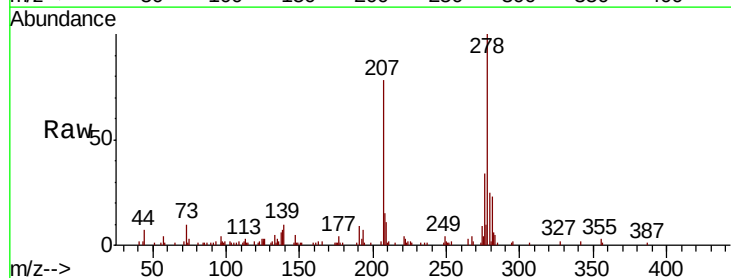
Instrument :
BNA_G
ClientSampleId :
20190764-SS-COMPOSITE-4

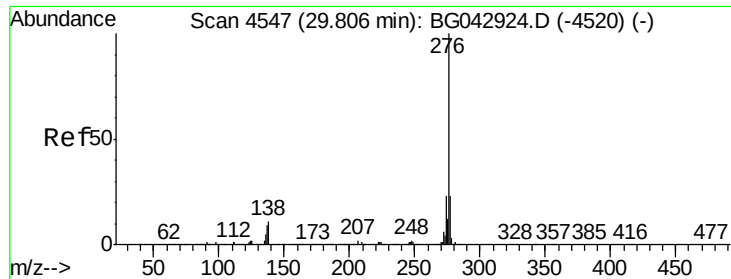
Tot Ion:252 Resp: 71910
Ion Ratio Lower Upper
252 100
253 20.2 18.2 27.2
125 4.7 4.6 7.0



#91
Dibenzo(a,h)anthracene
Concen: 2.600 ng
RT: 28.65 min Scan# 4350
Delta R.T. -0.07 min
Lab File: BG043012.D
Acq: 3 Oct 2019 15:15

Tgt Ion:278 Resp: 88201
Ion Ratio Lower Upper
278 100
139 10.0 6.8 10.2
279 25.4 20.1 30.1





#92
 Benzo(a,h,i)perylene
 Concen: 2.858 ng
 RT: 29.71 min Scan# 4532
 Delta R.T. -0.09 min
 Lab File: BG043012.D
 Acq: 3 Oct 2019 15:15

Instrument :
 BNA_G
 ClientSampleId :
 20190764-SS-COMPOSITE-4

Tot Ion: 276 Resp: 93941
 Ion Ratio Lower Upper
 276 100
 277 22.3 18.4 27.6
 138 13.5 8.6 12.8#

