

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\
 Data File : BG043007.D
 Acq On : 3 Oct 2019 5:59
 Operator : JU
 Sample : K5131-20
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190834-COMPOSITE-J

Quant Time: Oct 03 07:44:54 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

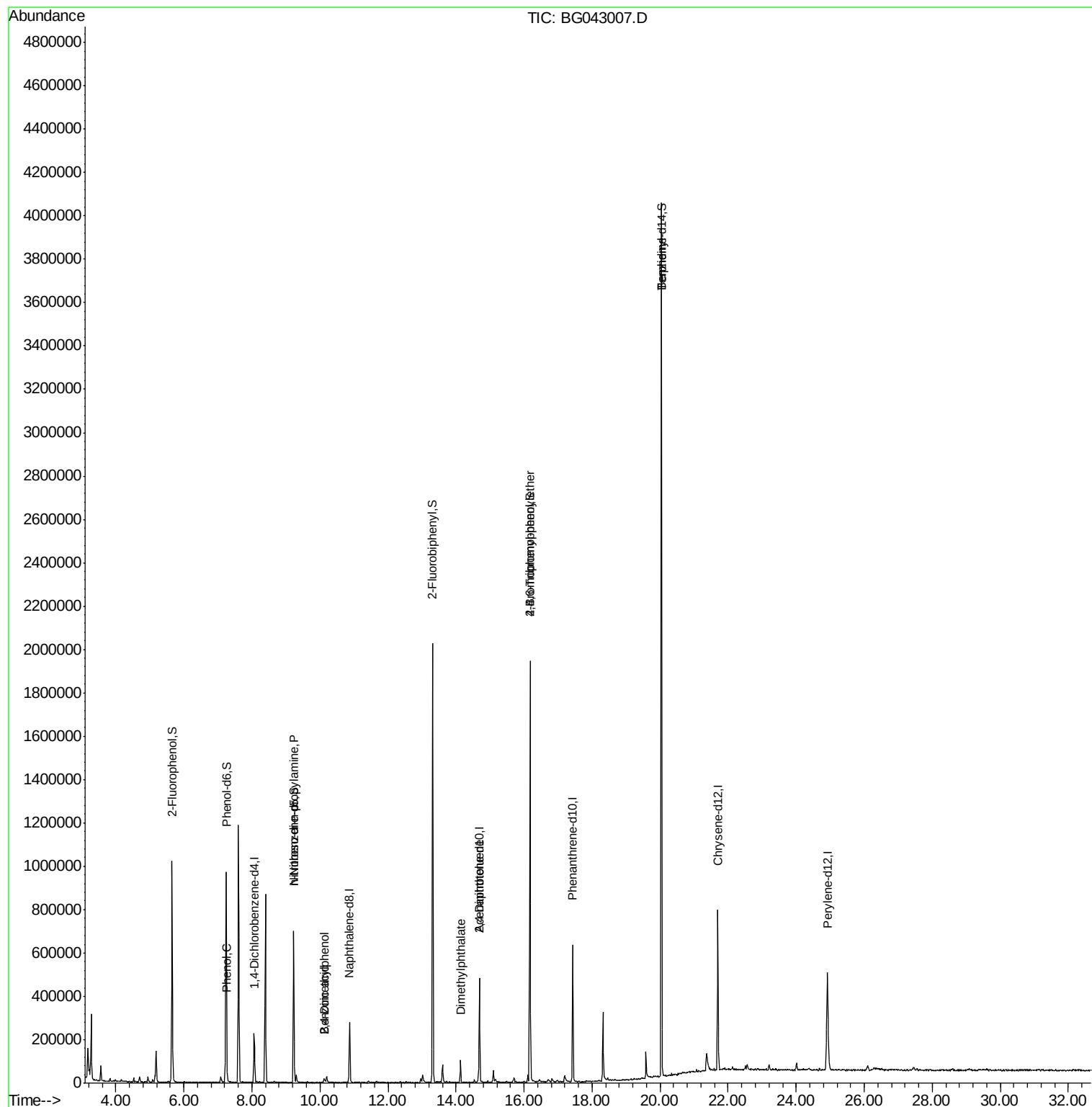
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	65723	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	241116	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	170980	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	416390	20.00	ng	0.00
76) Chrysene-d12	21.70	240	446754	20.00	ng	-0.02
87) Perylene-d12	24.92	264	516860	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	432389	117.41	ng	0.00
7) Phenol-d6	7.24	99	564457	106.43	ng	0.00
23) Nitrobenzene-d5	9.23	82	439949	88.69	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	422592	143.73	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1061616	90.01	ng	-0.01
79) Terphenyl-d14	20.04	244	1974078	94.16	ng	0.00
Target Compounds						
10) Phenol	7.27	94	12662	2.602	ng	# 78
19) n-Nitroso-di-n-propylamine	9.23	70	61844	17.759	ng	# 72
27) 2,4-Dimethylphenol	10.13	122	7323	2.367	ng	# 1
32) Benzoic acid	10.13	122	7323	6.091	ng	# 97
50) Dimethylphthalate	14.13	163	66493	5.190	ng	# 97
57) 2,4-Dinitrotoluene	14.69	165	23594	5.906	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	28376	5.430	ng	# 1
77) Benzidine	20.04	184	33126	2.961	ng	# 97

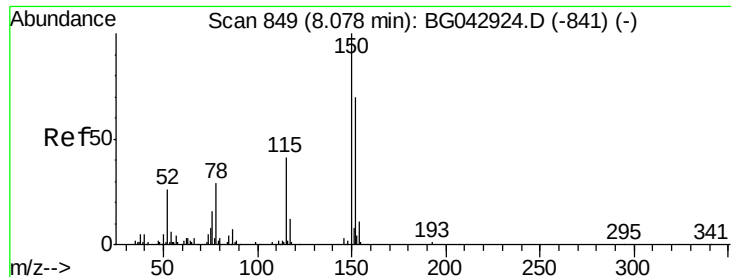
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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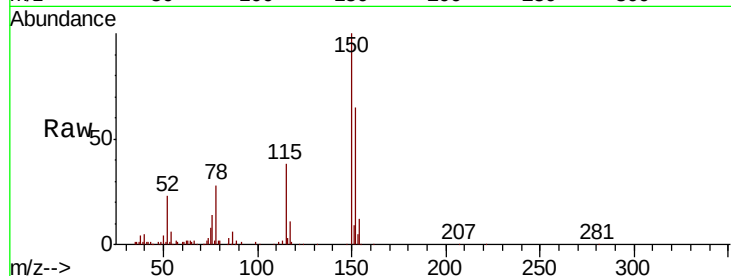


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG043007.D
Acq: 3 Oct 2019 5:59

Instrument :
BNA_G
ClientSampleId :
20190834-COMPOSITE-J

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	115.0	172.4
115	58.5	47.0	70.6

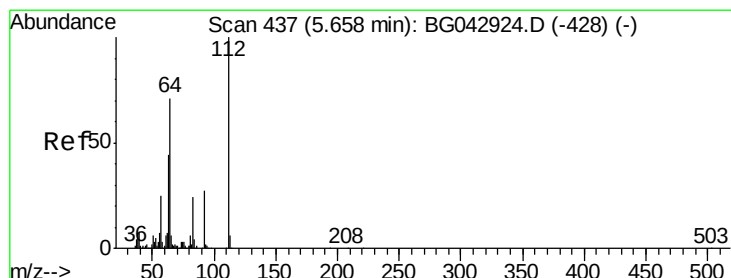
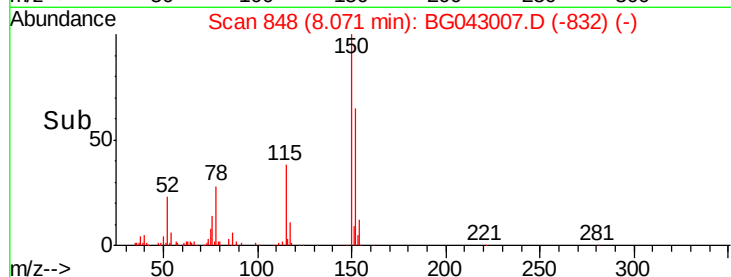
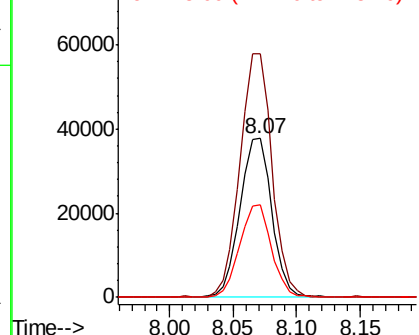


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

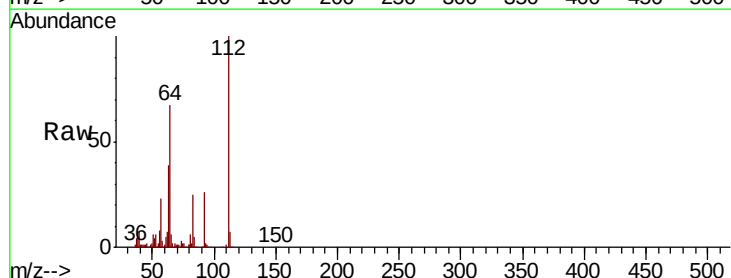
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.410 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.01 min
Lab File: BG043007.D
Acq: 3 Oct 2019 5:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	56.6	84.8
63	39.1	35.1	52.7

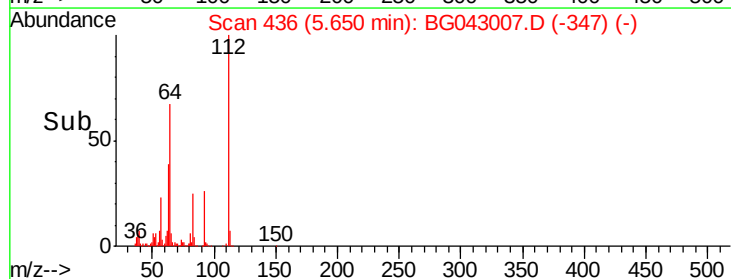
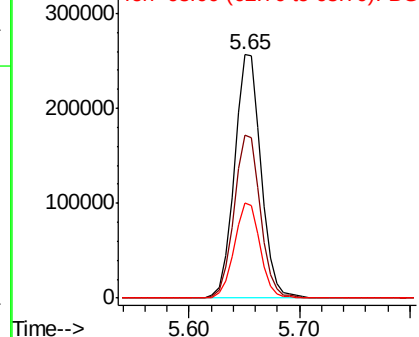


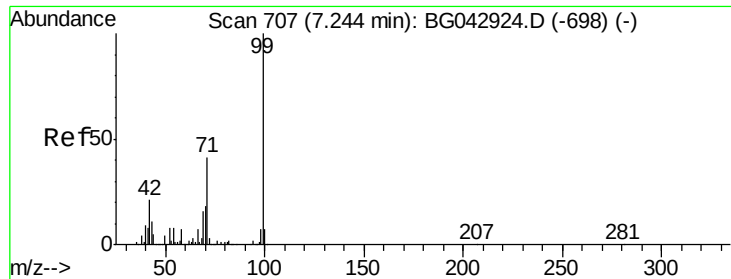
Abundance

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: 106.434 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043007.D

Acq: 3 Oct 2019 5:59

Instrument :

BNA_G

ClientSampleId :

20190834-COMPOSITE-J

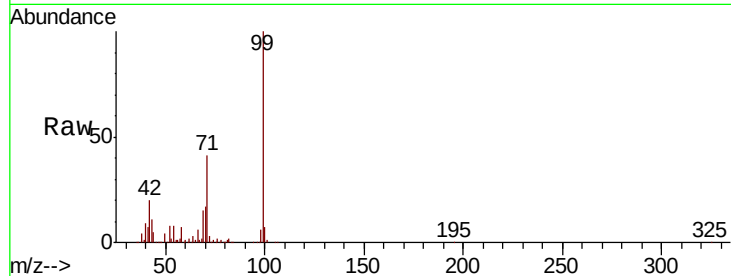
Tot Ion: 99 Resp: 564457

Ion Ratio Lower Upper

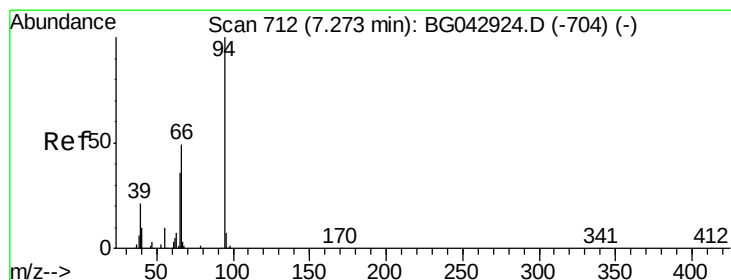
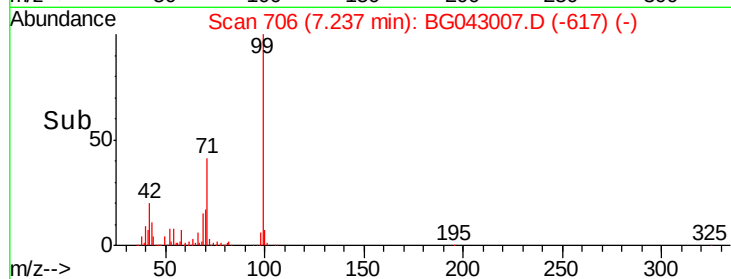
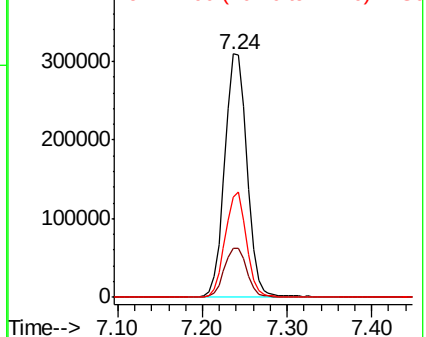
99 100

42 20.1 17.2 25.8

71 41.3 33.1 49.7



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: 2.602 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG043007.D

Acq: 3 Oct 2019 5:59

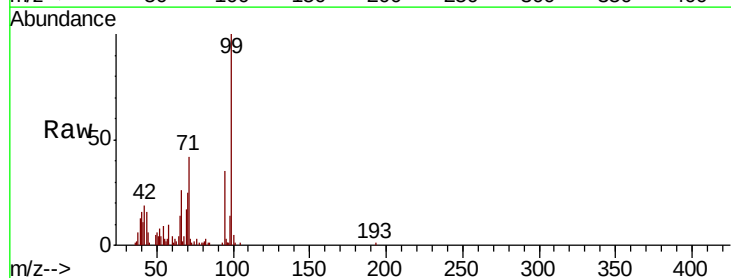
Tgt Ion: 94 Resp: 12662

Ion Ratio Lower Upper

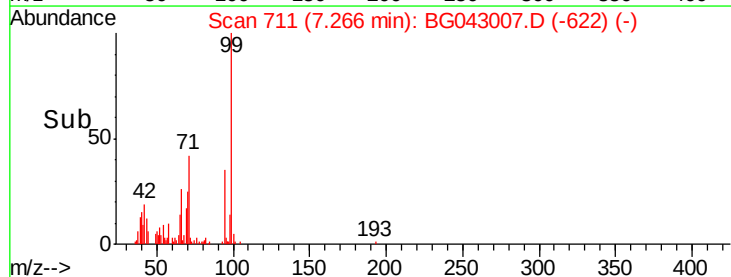
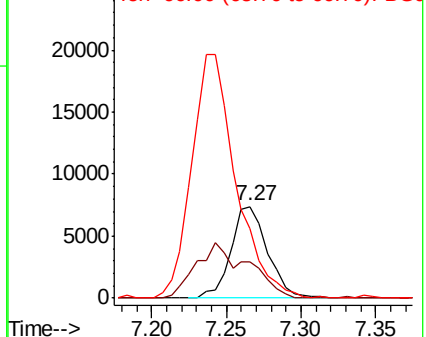
94 100

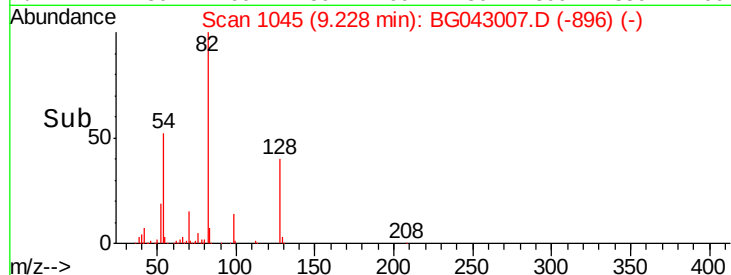
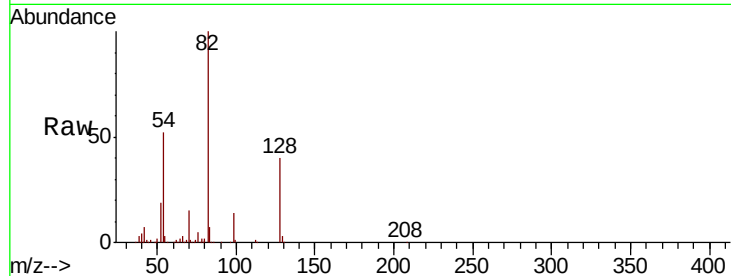
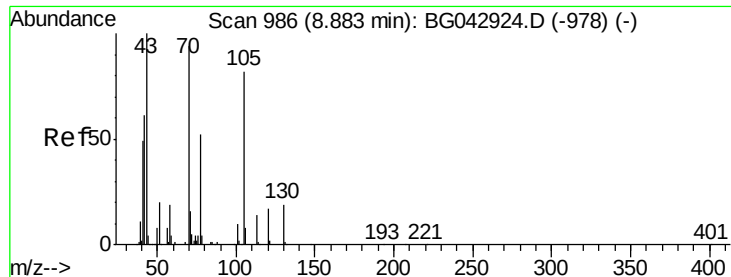
65 40.2 16.6 56.6

66 76.2 32.4 72.4#



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

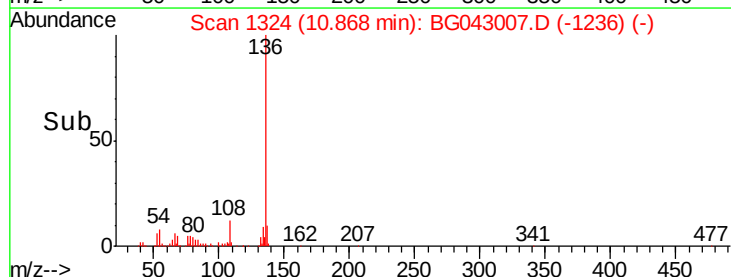
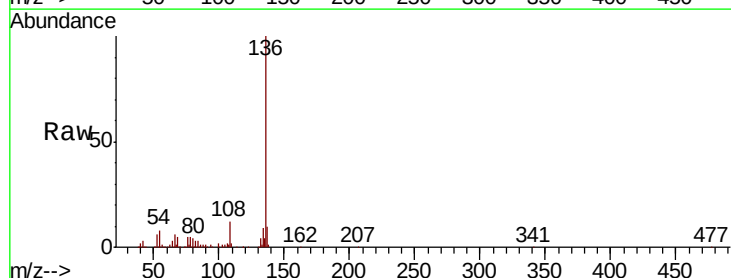
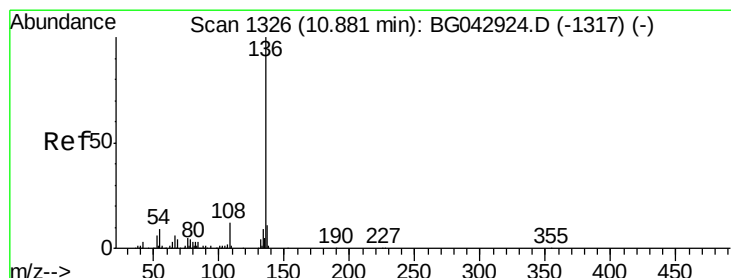
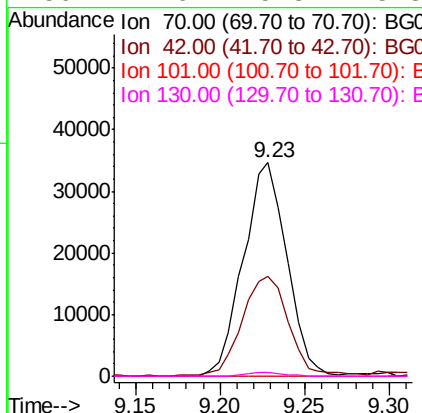




#19
n-Nitroso-di-n-propylamine
Concen: 17.759 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.35 min
Lab File: BG043007.D
Acq: 3 Oct 2019 5:59

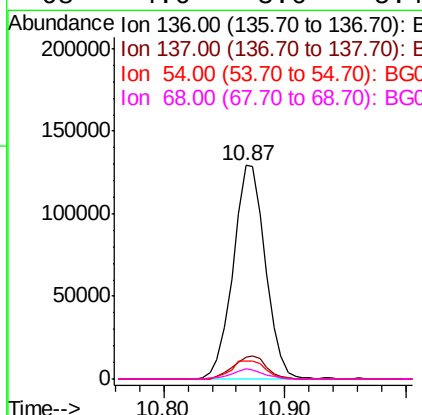
Instrument :
BNA_G
ClientSampleId :
20190834-COMPOSITE-J

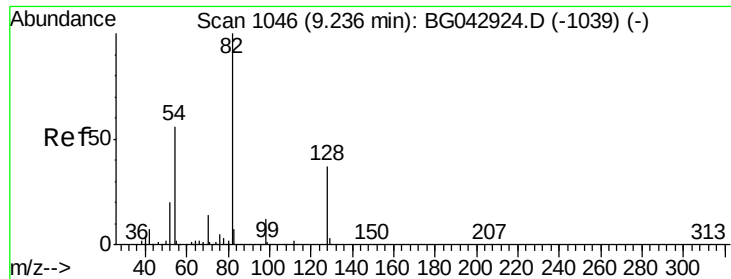
Tot Ion: 70 Resp: 61844
Ion Ratio Lower Upper
70 100
42 46.6 52.6 79.0#
101 0.0 8.7 13.1#
130 1.6 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG043007.D
Acq: 3 Oct 2019 5:59

Tgt Ion: 136 Resp: 241116
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 8.2 7.4 11.2
68 4.6 3.6 5.4

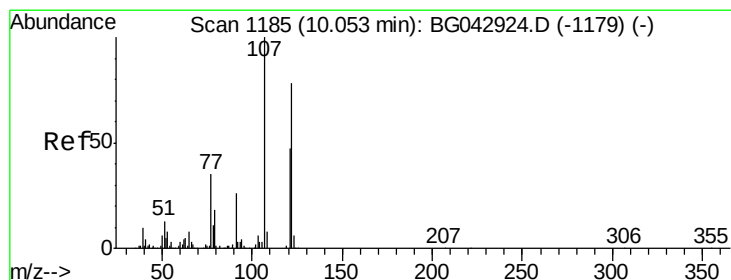
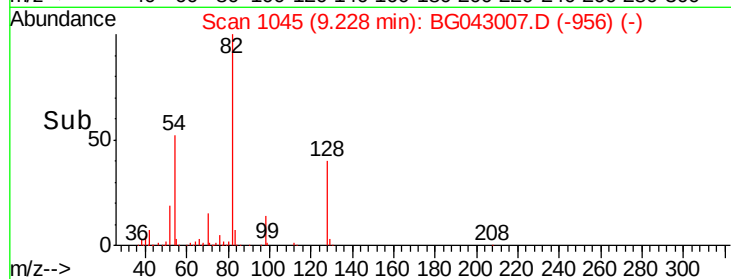
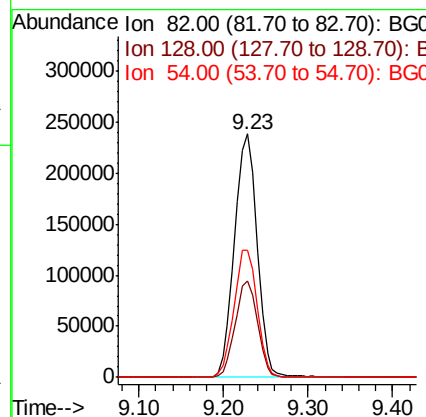
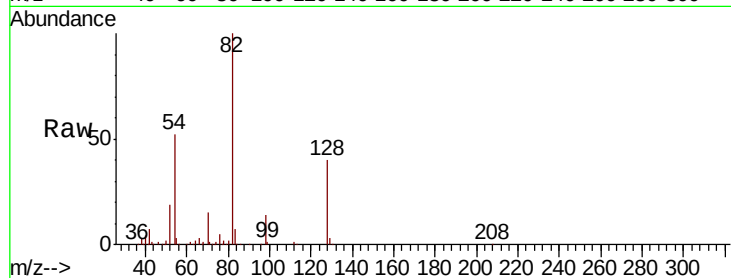




#23
 Nitrobenzene-d5
 Concen: 88.687 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BG043007.D
 Acq: 3 Oct 2019 5:59

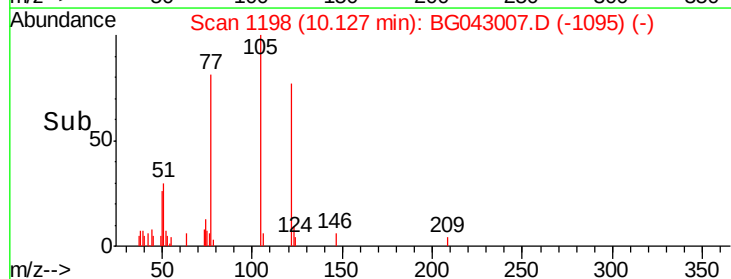
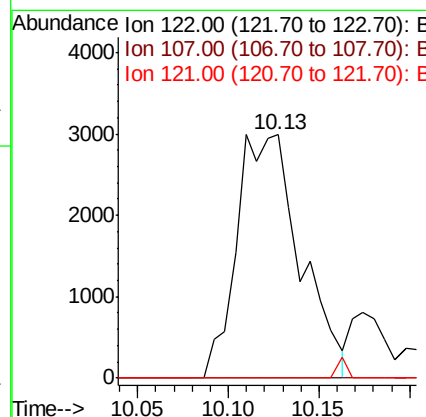
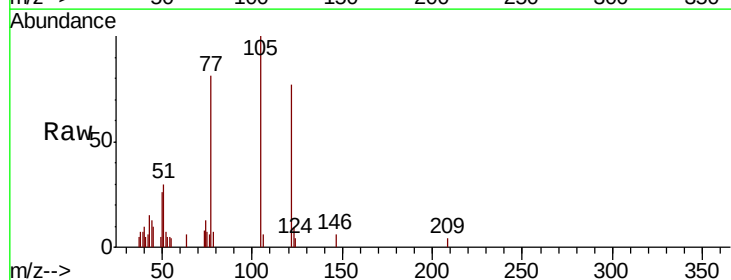
Instrument :
 BNA_G
 ClientSampleId :
 20190834-COMPOSITE-J

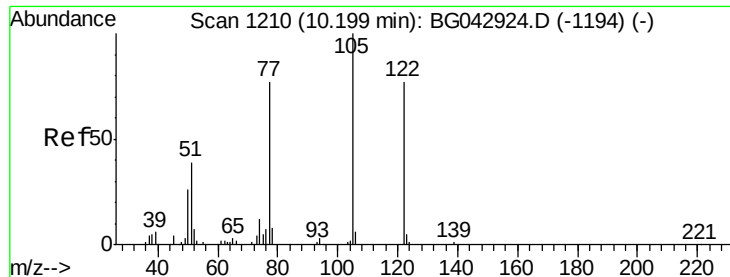
Tot Ion	82	Resp	439949
Ion Ratio	Lower	Upper	
82	100		
128	39.6	29.5	44.3
54	52.5	44.6	67.0



#27
 2,4-Dimethylphenol
 Concen: 2.367 ng
 RT: 10.13 min Scan# 1198
 Delta R.T. 0.07 min
 Lab File: BG043007.D
 Acq: 3 Oct 2019 5:59

Tgt Ion	122	Resp	7323
Ion Ratio	Lower	Upper	
122	100		
107	0.0	102.2	153.2#
121	0.0	48.5	72.7#

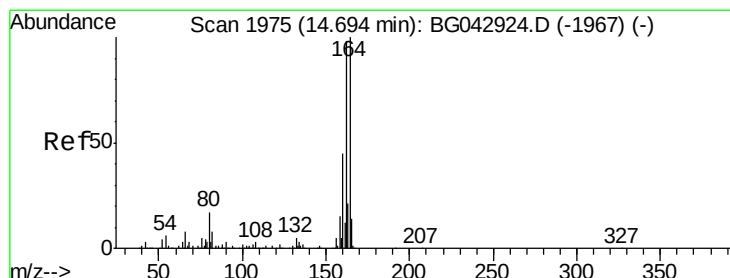
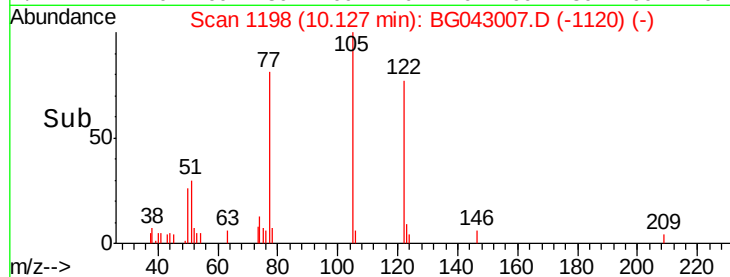
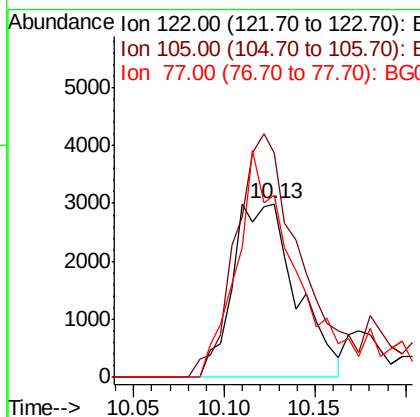
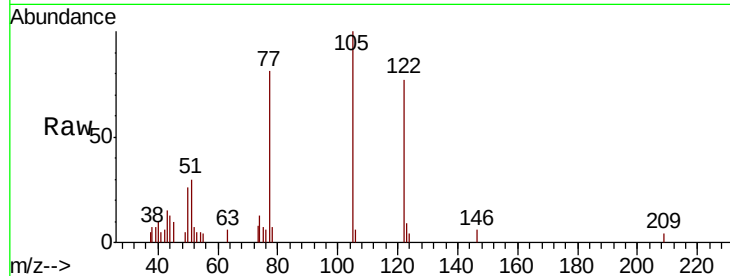




#32
Benzoic acid
Concen: 6.091 ng
RT: 10.13 min Scan# 1198
Delta R.T. -0.07 min
Lab File: BG043007.D
Acq: 3 Oct 2019 5:59

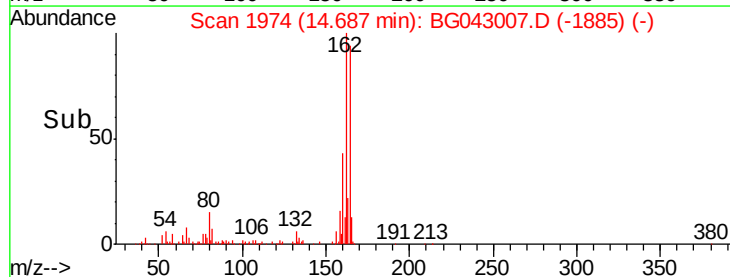
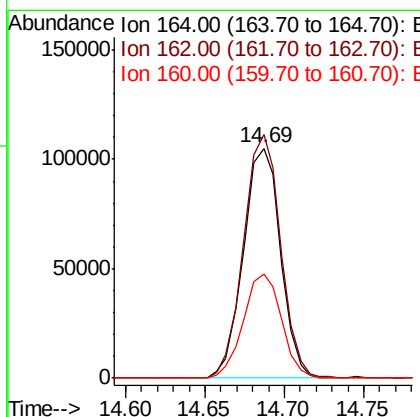
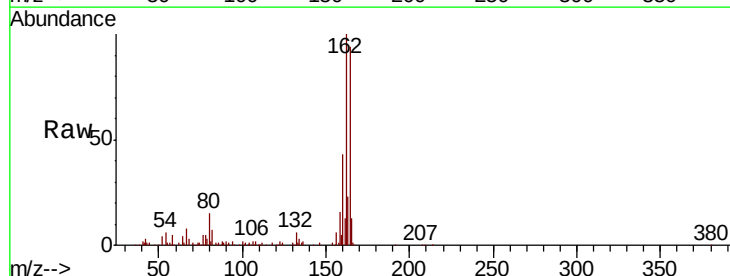
Instrument :
BNA_G
ClientSampleId :
20190834-COMPOSITE-J

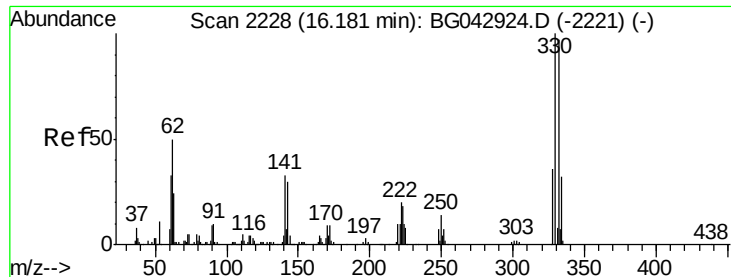
Tot Ion:122 Resp: 7323
Ion Ratio Lower Upper
122 100
105 129.6 107.5 147.5
77 105.1 79.8 119.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG043007.D
Acq: 3 Oct 2019 5:59

Tgt Ion:164 Resp: 170980
Ion Ratio Lower Upper
164 100
162 105.9 78.5 117.7
160 45.4 35.9 53.9

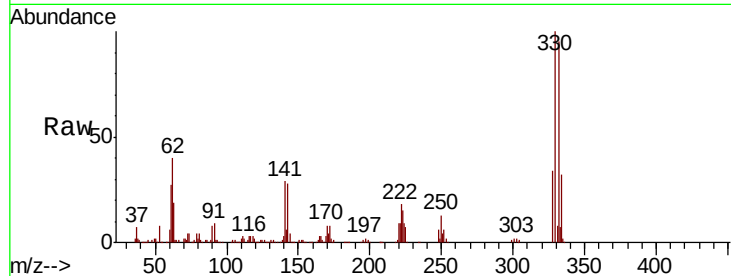




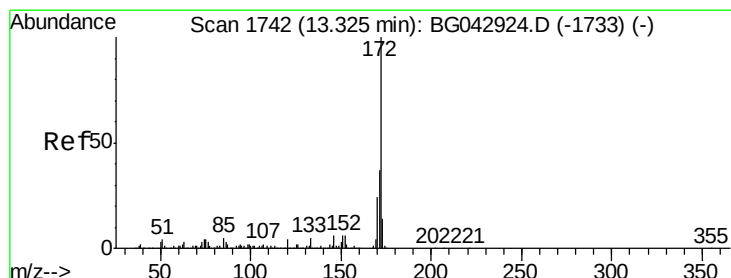
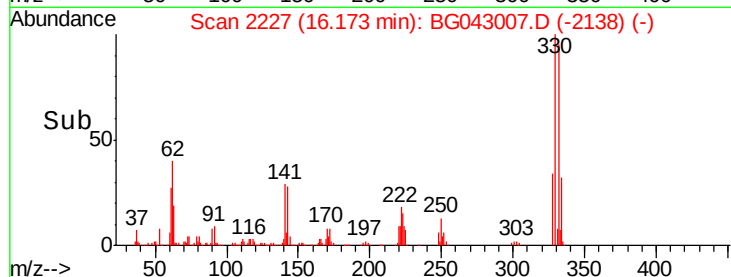
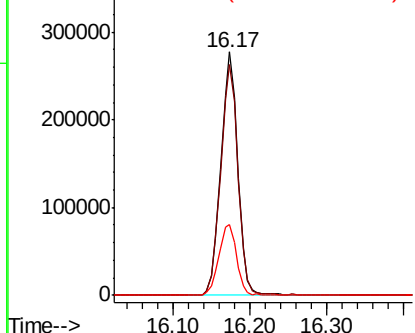
#42
2,4,6-Tribromophenol
Concen: 143.733 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG043007.D
Acq: 3 Oct 2019 5:59

Instrument :
BNA_G
ClientSampleId :
20190834-COMPOSITE-J

Tot Ion:330 Resp: 422592
Ion Ratio Lower Upper
330 100
332 96.2 78.2 117.2
141 30.3 26.0 39.0

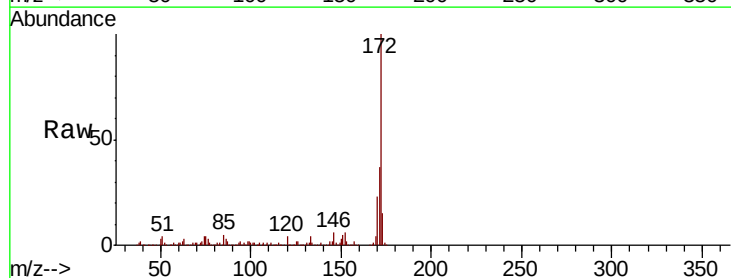


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

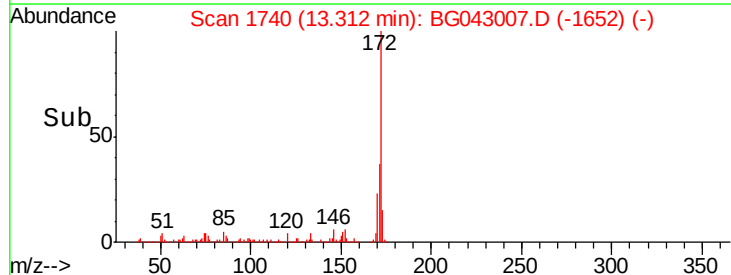
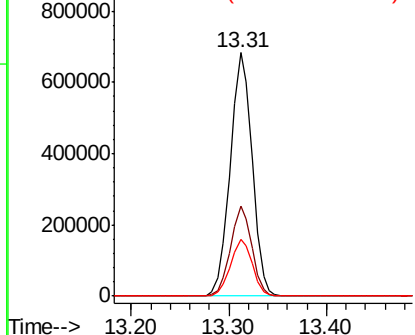


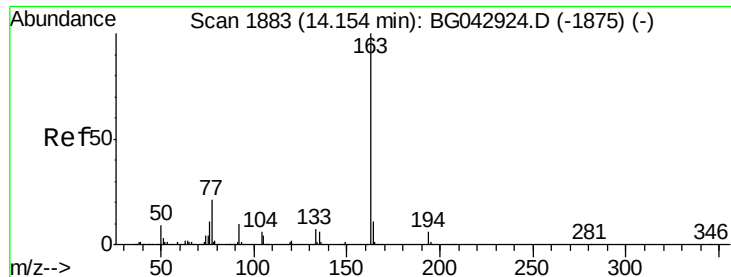
#45
2-Fluorobiphenyl
Concen: 90.012 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG043007.D
Acq: 3 Oct 2019 5:59

Tgt Ion:172 Resp: 1061616
Ion Ratio Lower Upper
172 100
171 36.9 29.6 44.4
170 23.1 19.6 29.4



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: 5.190 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.02 min

Lab File: BG043007.D

Acq: 3 Oct 2019 5:59

Instrument :

BNA_G

ClientSampleId :

20190834-COMPOSITE-J

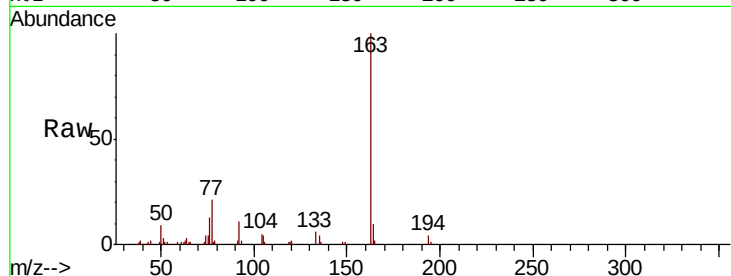
Tot Ion:163 Resp: 66493

Ion Ratio Lower Upper

163 100

194 3.9 4.4 6.6#

164 9.7 8.6 12.8

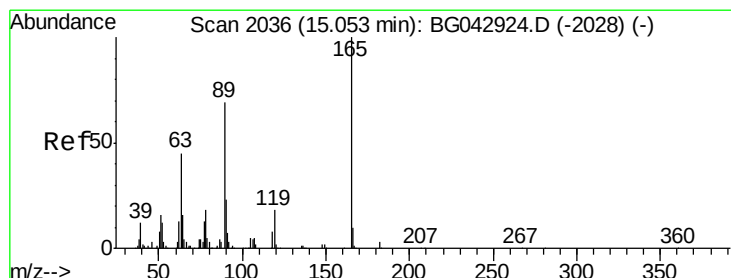
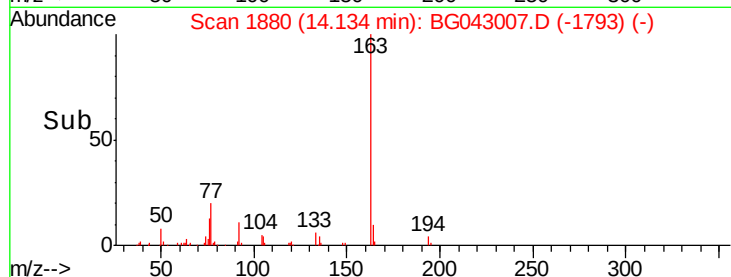
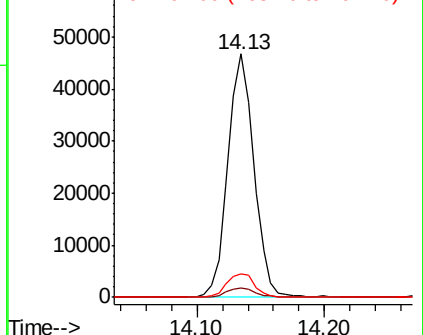


Abundance

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



#57

2,4-Dinitrotoluene

Concen: 5.906 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.37 min

Lab File: BG043007.D

Acq: 3 Oct 2019 5:59

Tgt Ion:165 Resp: 23594

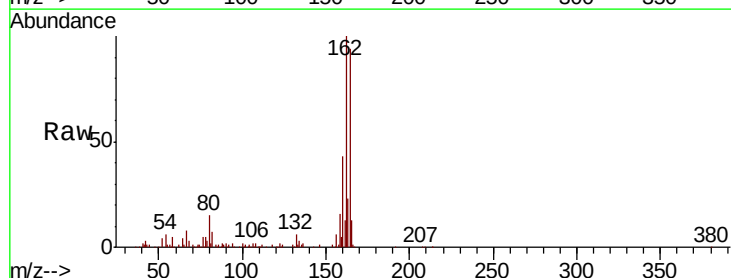
Ion Ratio Lower Upper

165 100

63 0.0 36.5 54.7#

89 4.0 55.5 83.3#

182 0.0 2.4 3.6#



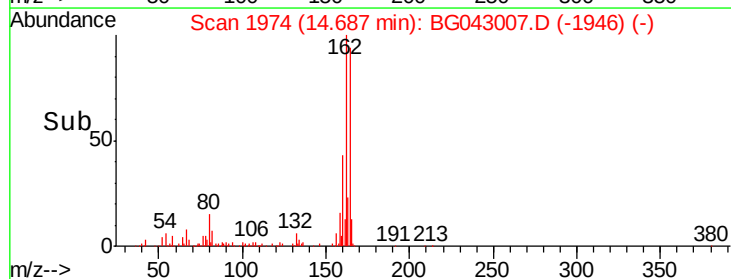
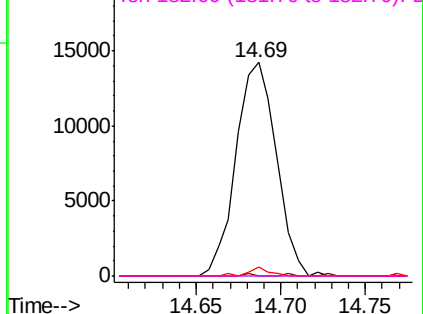
Abundance

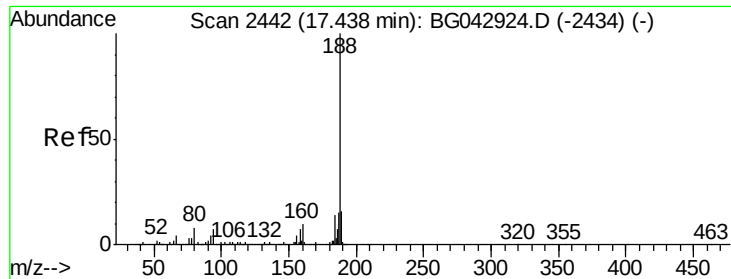
Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG043007.D

Acq: 3 Oct 2019 5:59

Instrument :

BNA_G

ClientSampleId :

20190834-COMPOSITE-J

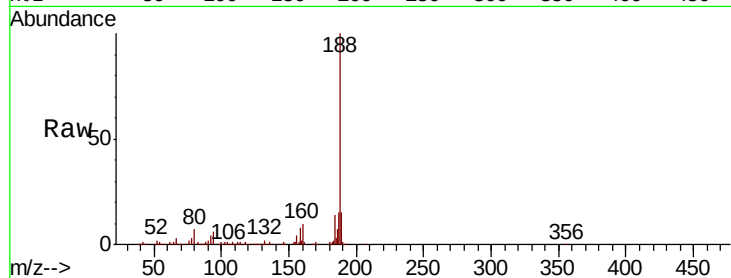
Tot Ion:188 Resp: 416390

Ion Ratio Lower Upper

188 100

94 5.7 5.7 8.5

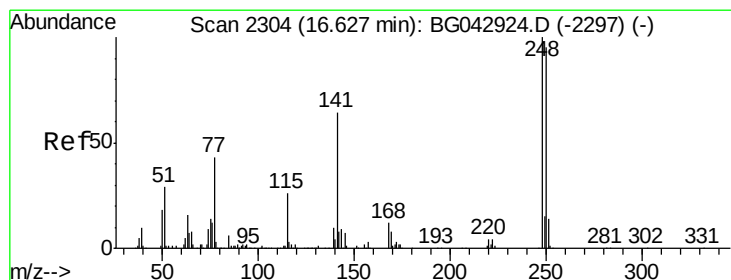
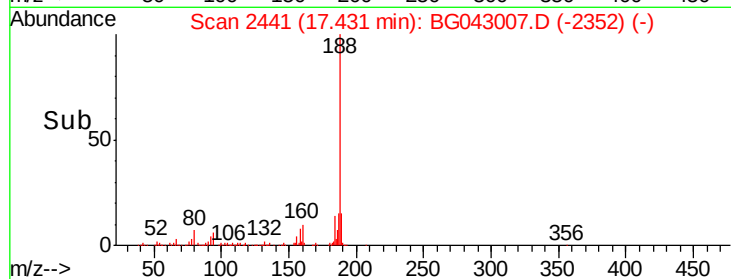
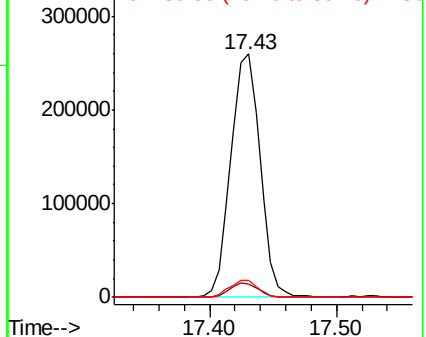
80 6.8 6.5 9.7



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



#67

4-Bromophenyl-phenylether

Concen: 5.430 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG043007.D

Acq: 3 Oct 2019 5:59

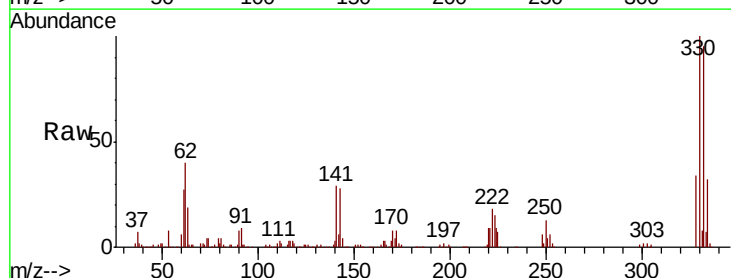
Tgt Ion:248 Resp: 28376

Ion Ratio Lower Upper

248 100

250 200.7 75.8 113.8#

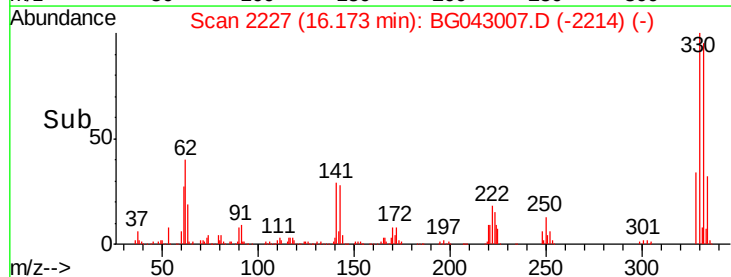
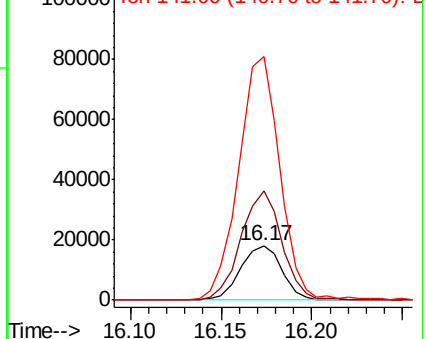
141 449.1 51.1 76.7#

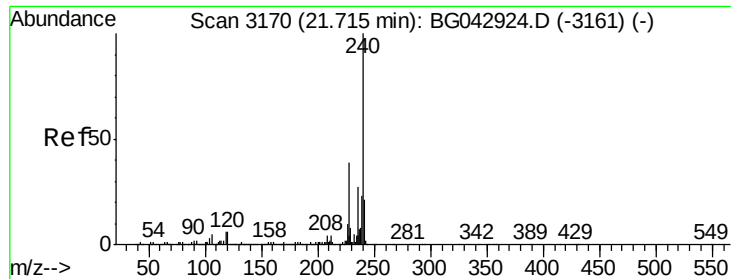


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.70 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG043007.D

Acq: 3 Oct 2019 5:59

Instrument :

BNA_G

ClientSampleId :

20190834-COMPOSITE-J

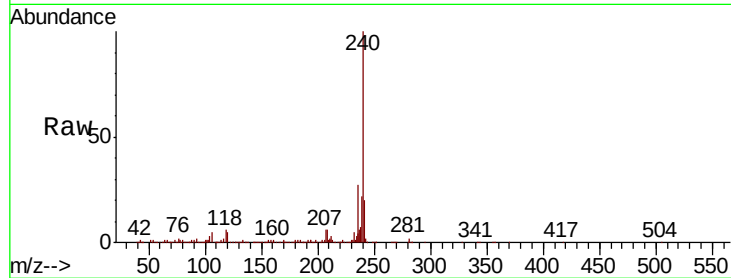
Tot Ion:240 Resp: 446754

Ion Ratio Lower Upper

240 100

120 5.2 4.8 7.2

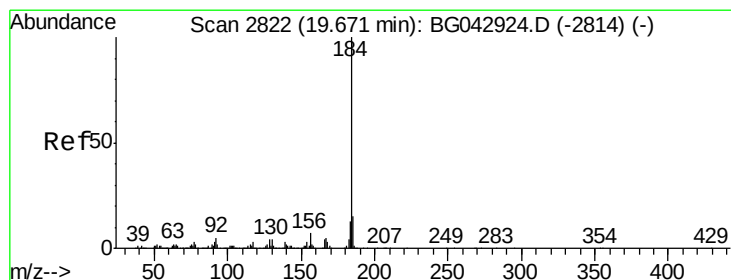
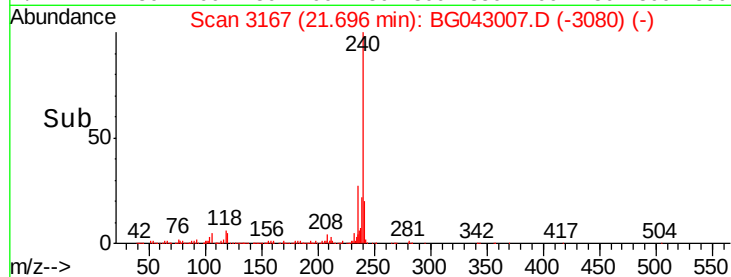
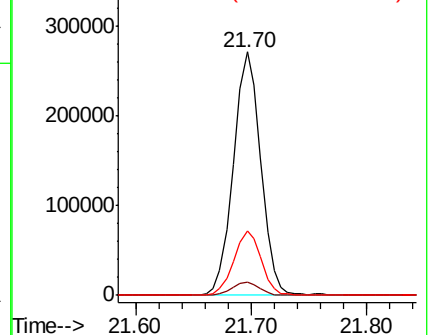
236 26.7 21.4 32.0



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



#77

Benzidine

Concen: 2.961 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG043007.D

Acq: 3 Oct 2019 5:59

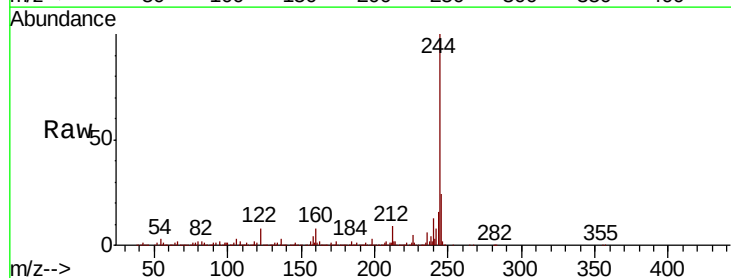
Tgt Ion:184 Resp: 33126

Ion Ratio Lower Upper

184 100

185 16.0 11.8 17.8

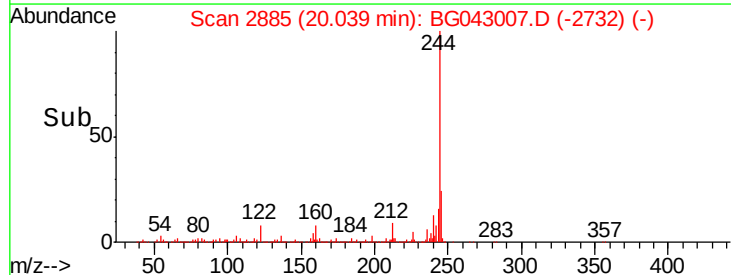
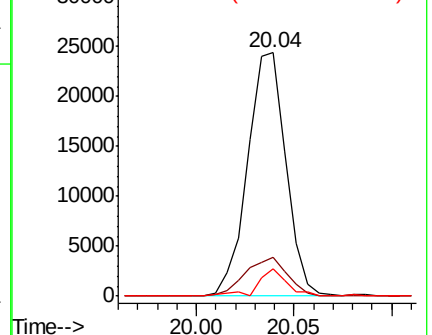
183 11.4 10.1 15.1

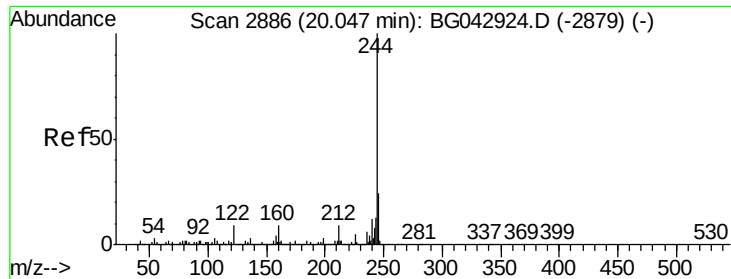


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 94.158 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG043007.D

Acq: 3 Oct 2019 5:59

Instrument :

BNA_G

ClientSampleId :

20190834-COMPOSITE-J

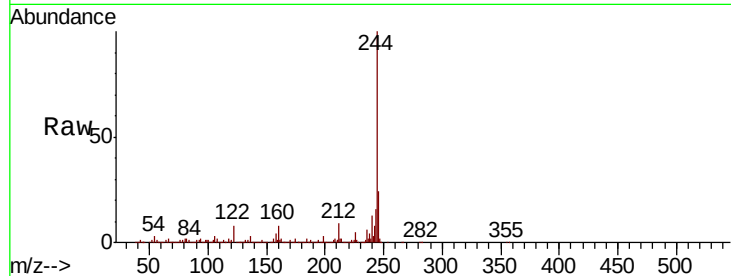
Tot Ion:244 Resp: 1974078

Ion Ratio Lower Upper

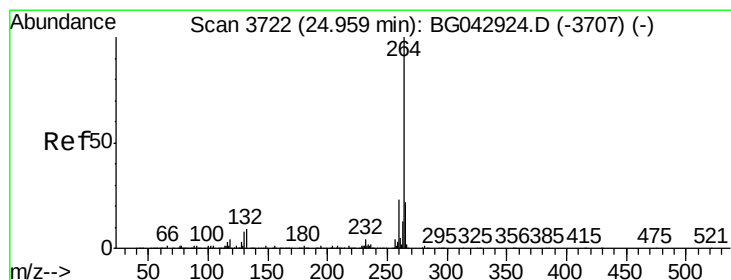
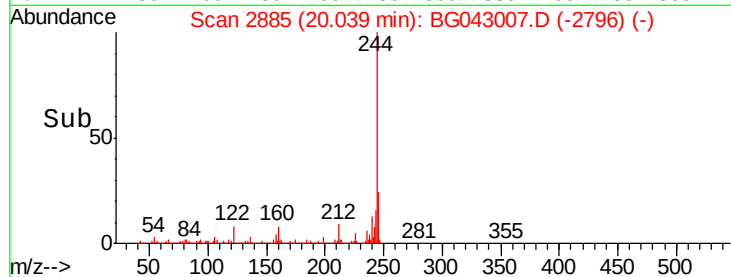
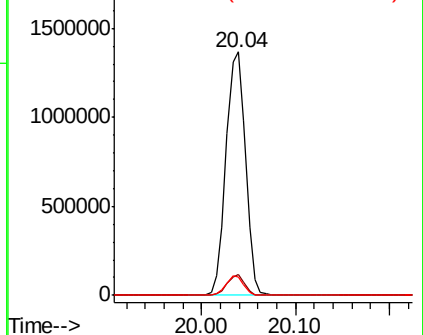
244 100

212 8.6 7.4 11.0

122 7.7 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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3715

Delta R.T. -0.04 min

Lab File: BG043007.D

Acq: 3 Oct 2019 5:59

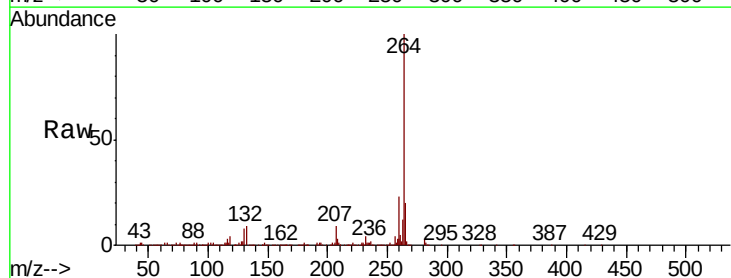
Tgt Ion:264 Resp: 516860

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 20.3 17.7 26.5



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

