

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101719\
 Data File : BG043267.D
 Acq On : 17 Oct 2019 18:22
 Operator : JU
 Sample : K5355-03RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-32

Quant Time: Oct 18 01:41:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	57804	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	221958	20.00	ng	-0.02
39) Acenaphthene-d10	14.66	164	158332	20.00	ng	-0.02
64) Phenanthrene-d10	17.41	188	344959	20.00	ng	0.00
76) Chrysene-d12	21.68	240	370333	20.00	ng	0.00
87) Perylene-d12	24.90	264	440703	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	218727	67.53	ng	-0.02
7) Phenol-d6	7.21	99	362847	77.79	ng	-0.02
23) Nitrobenzene-d5	9.20	82	220771	48.35	ng	-0.02
42) 2,4,6-Tribromophenol	16.16	330	138697	50.94	ng	-0.01
45) 2-Fluorobiphenyl	13.29	172	565664	51.79	ng	-0.02
79) Terphenyl-d14	20.02	244	957664	55.10	ng	0.00

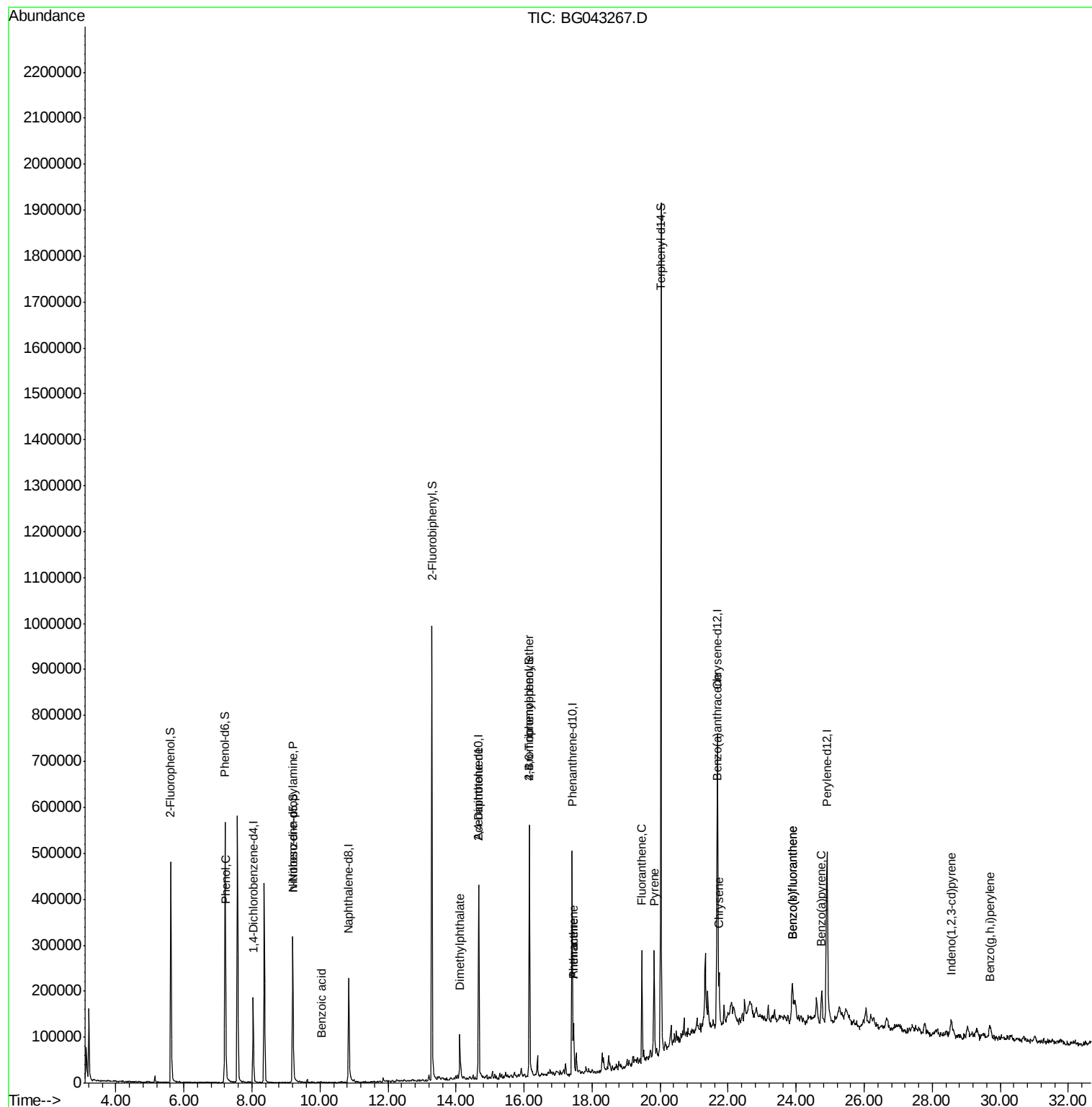
Target Compounds				Qvalue		
10) Phenol	7.23	94	14406	3.366	ng	83
19) n-Nitroso-di-n-propylamine	9.20	70	30397	9.925	ng	# 69
32) Benzoic acid	10.06	122	65	2.830	ng	# 35
50) Dimethylphthalate	14.11	163	70588	5.950	ng	98
57) 2,4-Dinitrotoluene	14.66	165	22437	6.065	ng	# 25
67) 4-Bromophenyl-phenylether	16.15	248	9164	2.117	ng	# 1
71) Phenanthrene	17.45	178	64548	3.833	ng	96
72) Anthracene	17.45	178	64548	3.839	ng	98
75) Fluoranthene	19.46	202	170714	7.664	ng	97
78) Pyrene	19.82	202	162685	7.360	ng	98
81) Benzo(a)anthracene	21.67	228	93365	4.046	ng	97
83) Chrysene	21.73	228	83787	3.742	ng	97
86) Indeno(1,2,3-cd)pyrene	28.56	276	64222	2.304	ng	# 97
88) Benzo(b)fluoranthene	23.89	252	123333	4.946	ng	# 88
89) Benzo(k)fluoranthene	23.89	252	123333	5.000	ng	# 90
90) Benzo(a)pyrene	24.75	252	86902	3.694	ng	# 91
92) Benzo(a,h,i)perylene	29.70	276	62021	2.653	ng	98

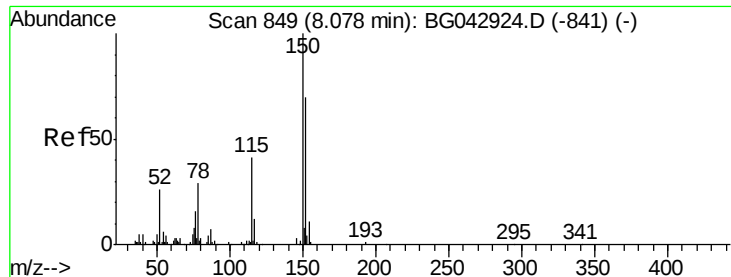
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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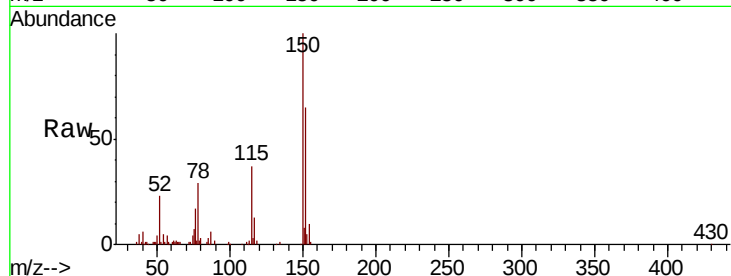


#1

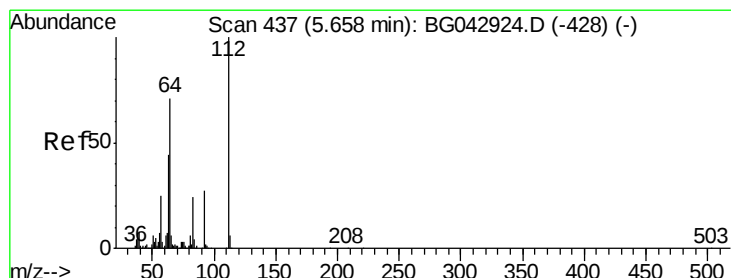
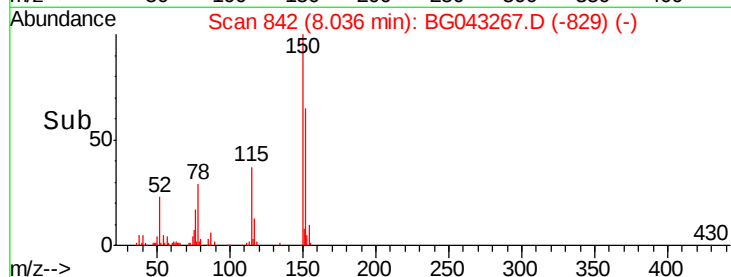
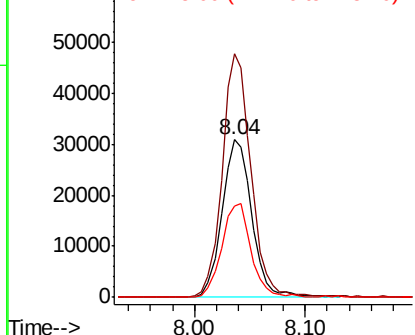
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.02 min
Lab File: BG043267.D
Acq: 17 Oct 2019 18:22

Instrument :
BNA_G
ClientSampleId :
COMP-32

Tot Ion:152 Resp: 57804
Ion Ratio Lower Upper
152 100
150 154.3 115.0 172.4
115 57.7 47.0 70.6



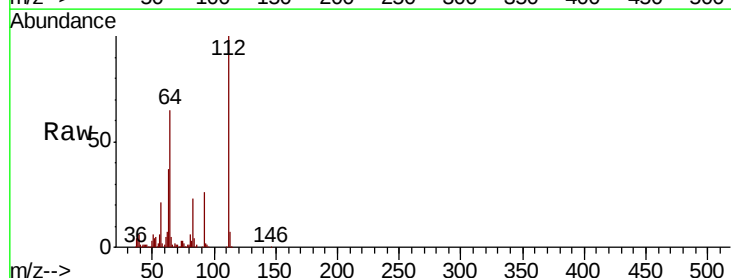
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



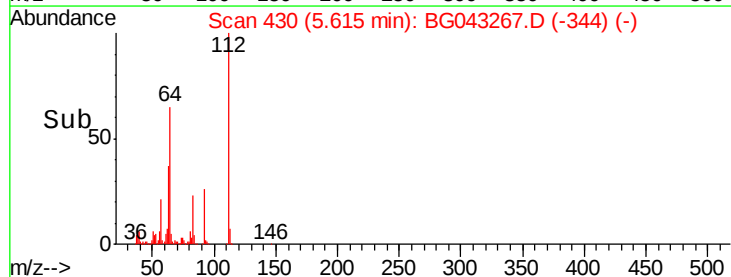
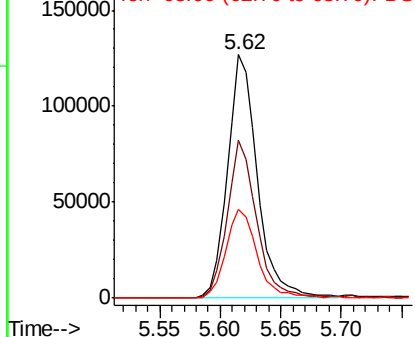
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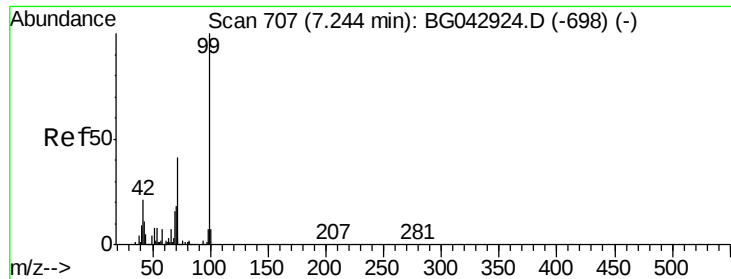
2-Fluorophenol
Concen: 67.529 ng
RT: 5.62 min Scan# 430
Delta R.T. -0.02 min
Lab File: BG043267.D
Acq: 17 Oct 2019 18:22

Tgt Ion:112 Resp: 218727
Ion Ratio Lower Upper
112 100
64 65.0 56.6 84.8
63 36.6 35.1 52.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 77.791 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

Instrument :

BNA_G

ClientSampleId :

COMP-32

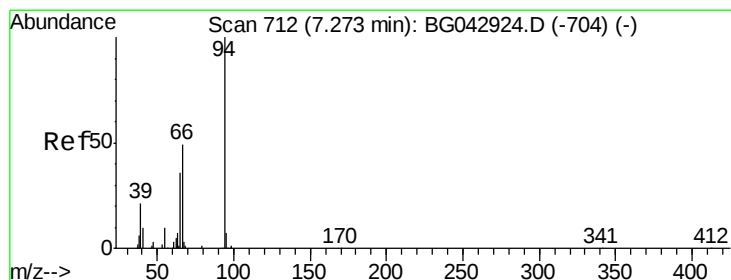
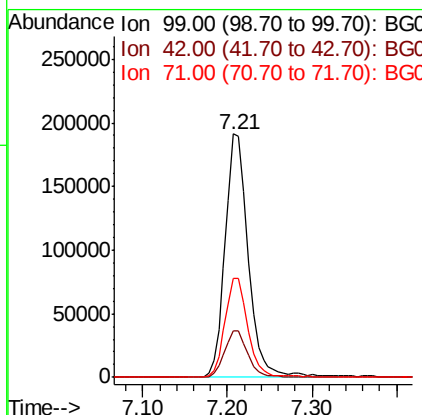
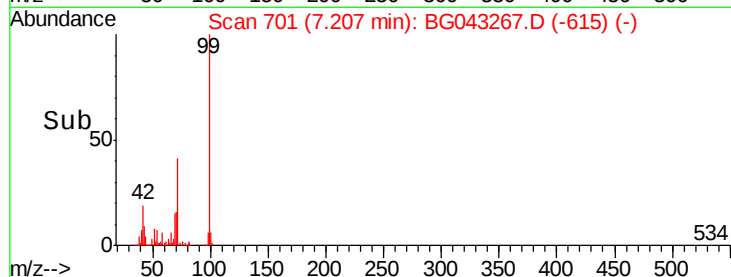
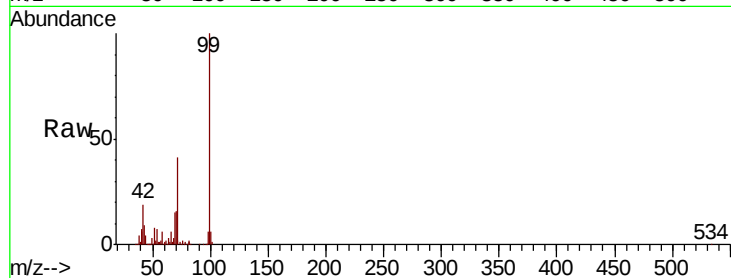
Tot Ion: 99 Resp: 362847

Ion Ratio Lower Upper

99 100

42 19.0 17.2 25.8

71 40.9 33.1 49.7



#10

Phenol

Concen: 3.366 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.02 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

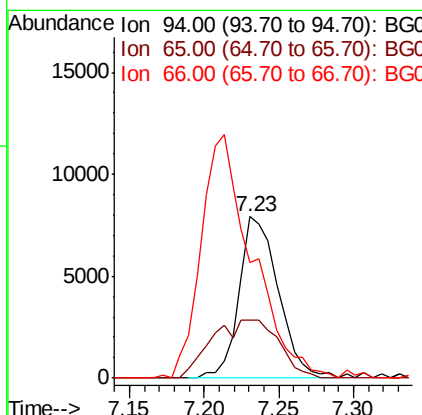
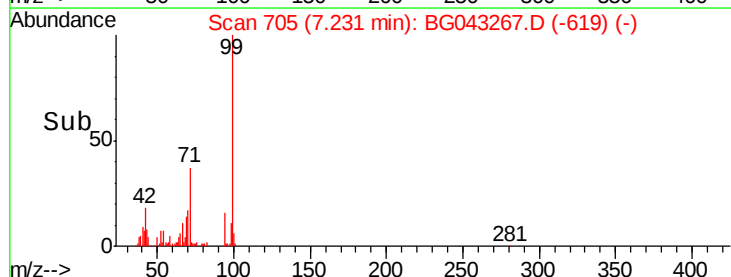
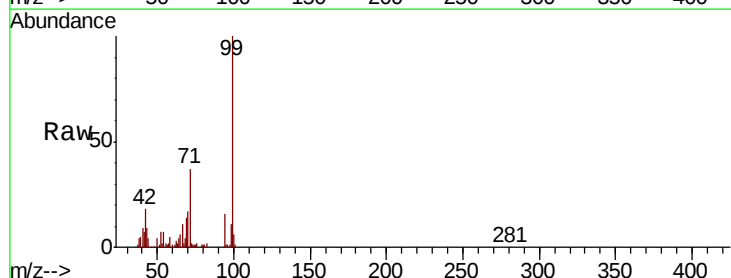
Tgt Ion: 94 Resp: 14406

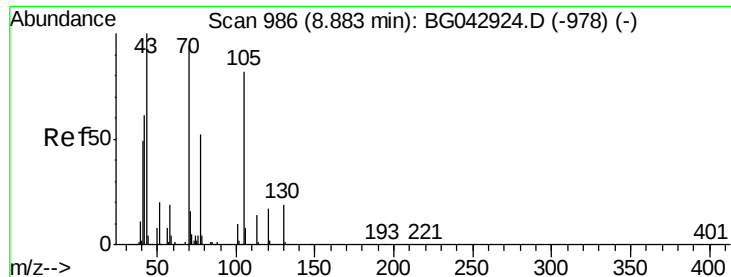
Ion Ratio Lower Upper

94 100

65 36.2 16.6 56.6

66 71.9 32.4 72.4

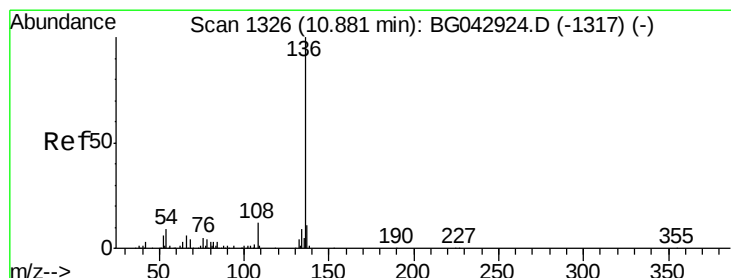
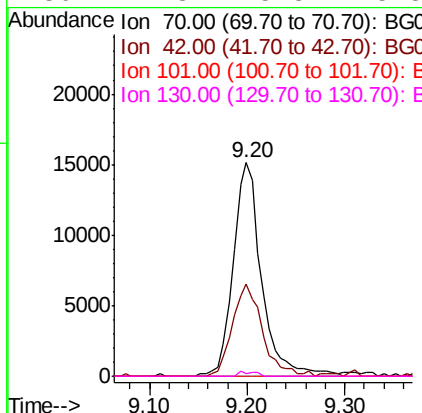
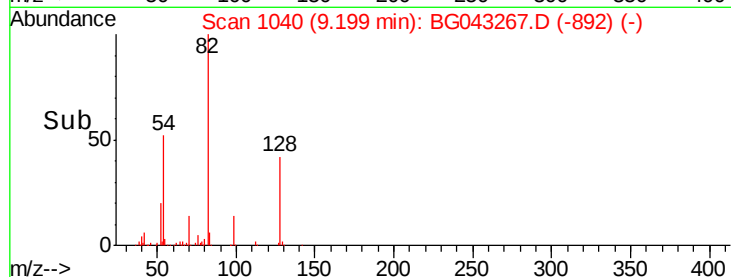
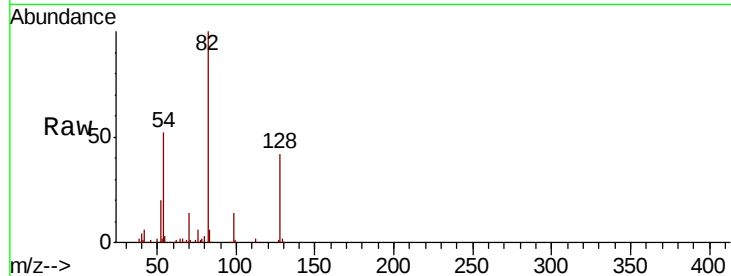




#19
n-Nitroso-di-n-propylamine
Concen: 9.925 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.34 min
Lab File: BG043267.D
Acq: 17 Oct 2019 18:22

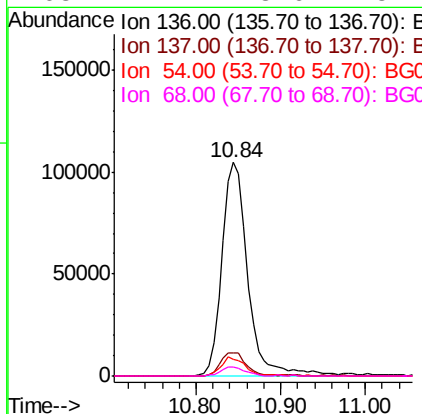
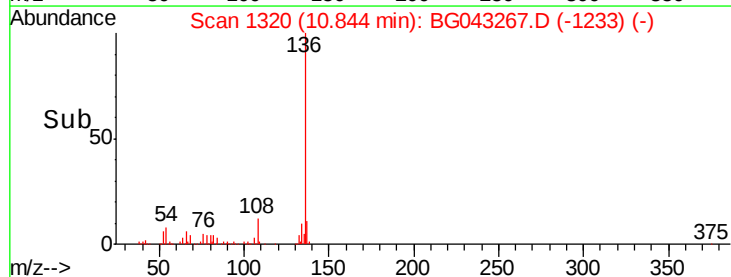
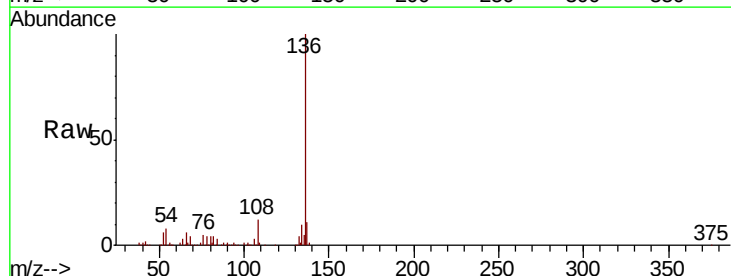
Instrument :
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COMP-32

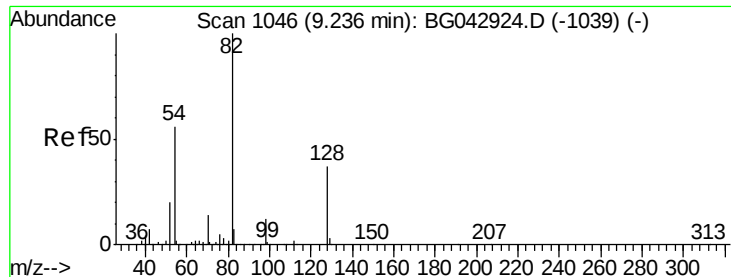
Tot Ion: 70 Resp: 30397
Ion Ratio Lower Upper
70 100
42 43.0 52.6 79.0#
101 0.0 8.7 13.1#
130 1.3 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG043267.D
Acq: 17 Oct 2019 18:22

Tgt Ion: 136 Resp: 221958
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 7.9 7.4 11.2
68 4.4 3.6 5.4





#23

Nitrobenzene-d5

Concen: 48.345 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

Instrument :

BNA_G

ClientSampleId :

COMP-32

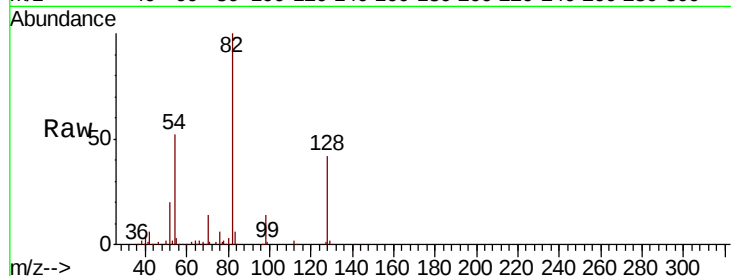
Tot Ion: 82 Resp: 220771

Ion Ratio Lower Upper

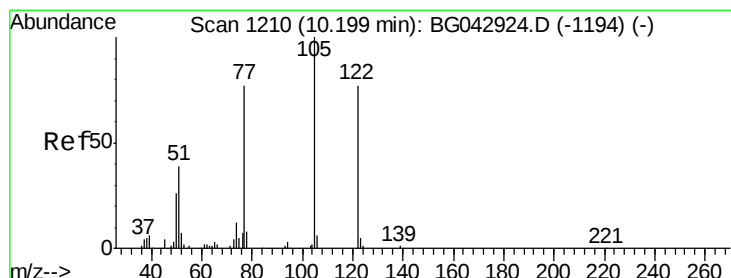
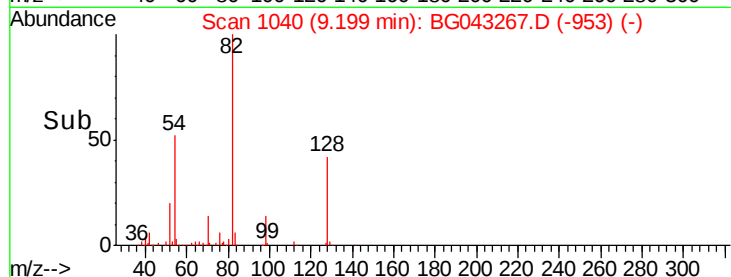
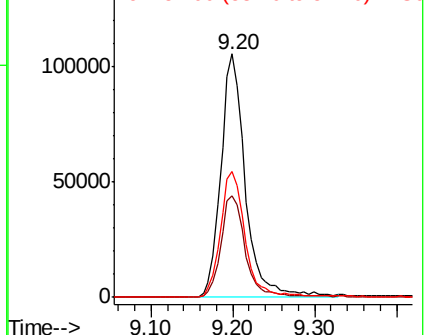
82 100

128 41.8 29.5 44.3

54 51.9 44.6 67.0



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



#32

Benzoic acid

Concen: 2.830 ng

RT: 10.06 min Scan# 1186

Delta R.T. -0.12 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

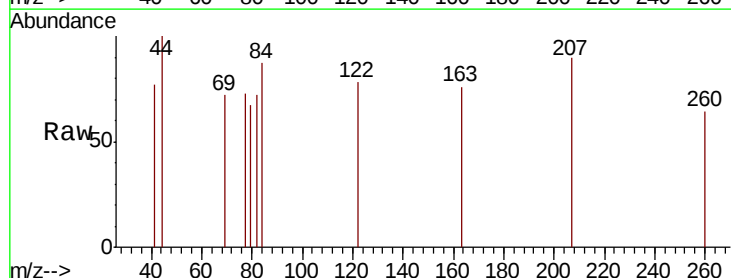
Tgt Ion: 122 Resp: 65

Ion Ratio Lower Upper

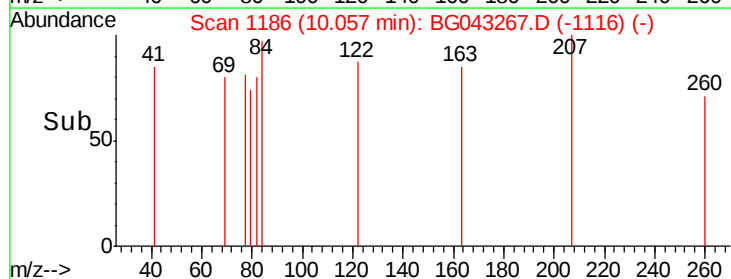
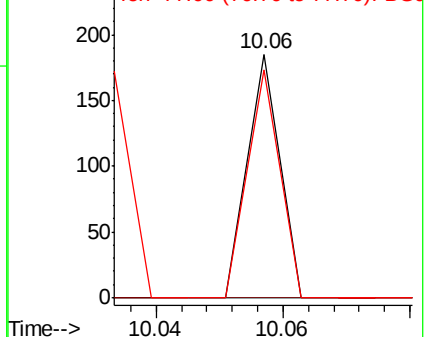
122 100

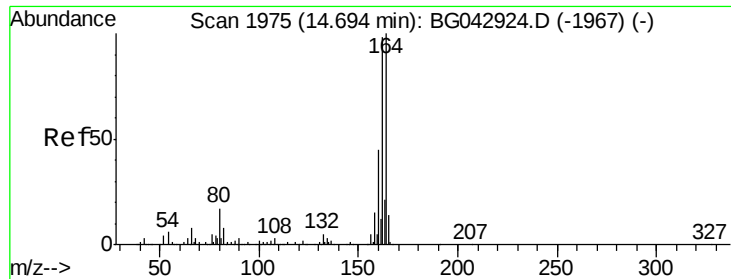
105 0.0 107.5 147.5#

77 93.5 79.8 119.8



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.02 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

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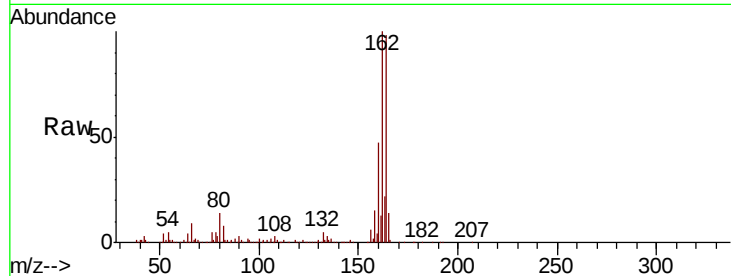
Tot Ion:164 Resp: 158332

Ion Ratio Lower Upper

164 100

162 102.0 78.5 117.7

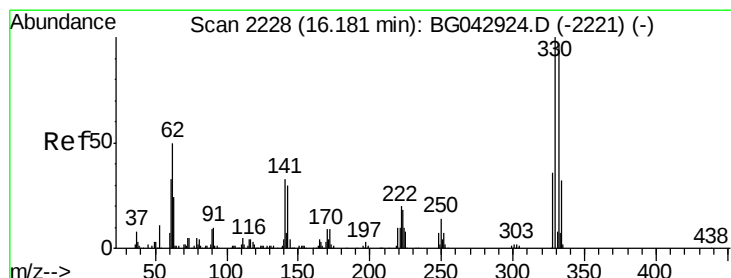
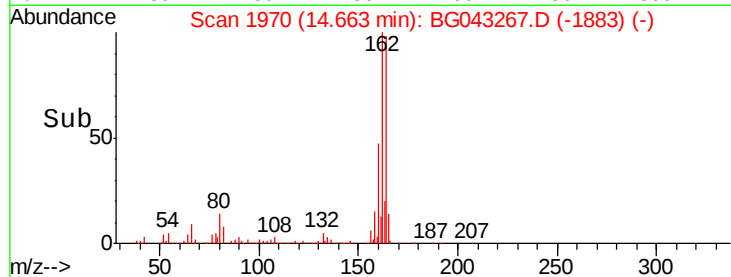
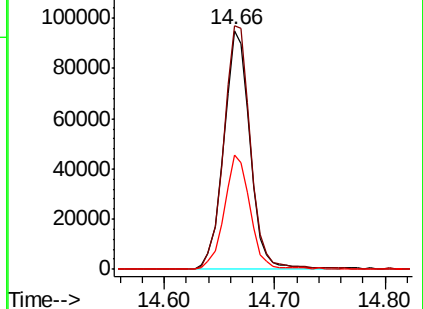
160 47.7 35.9 53.9



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: 50.943 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

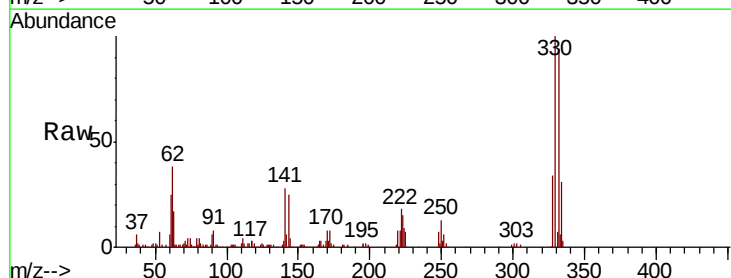
Tgt Ion:330 Resp: 138697

Ion Ratio Lower Upper

330 100

332 97.4 78.2 117.2

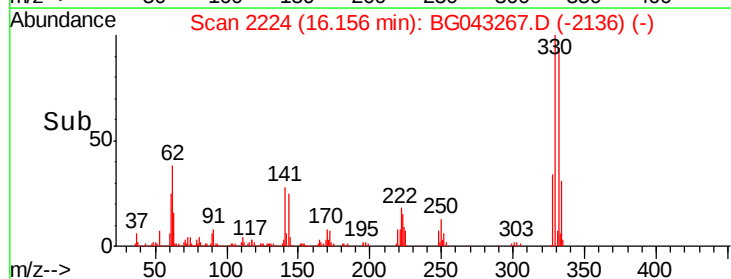
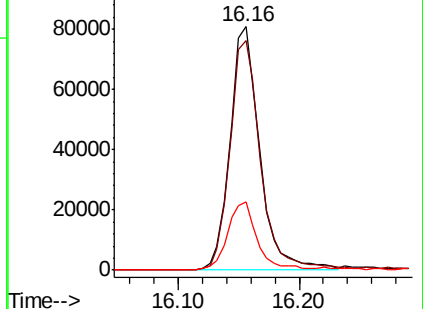
141 27.9 26.0 39.0

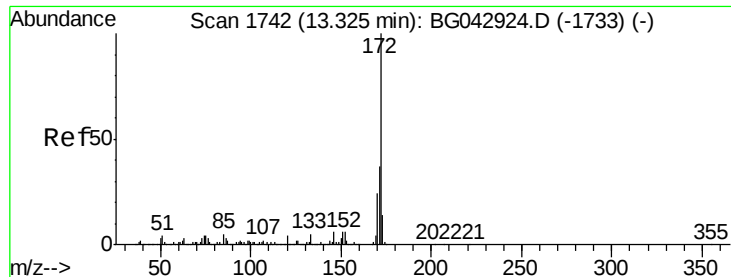


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

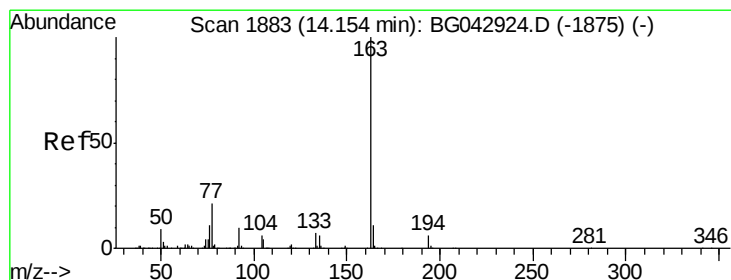
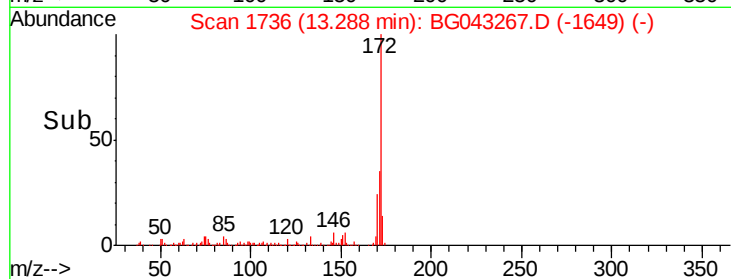
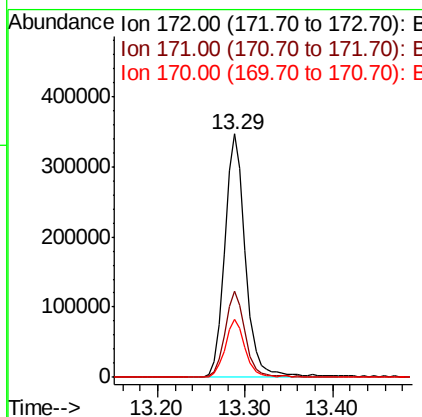
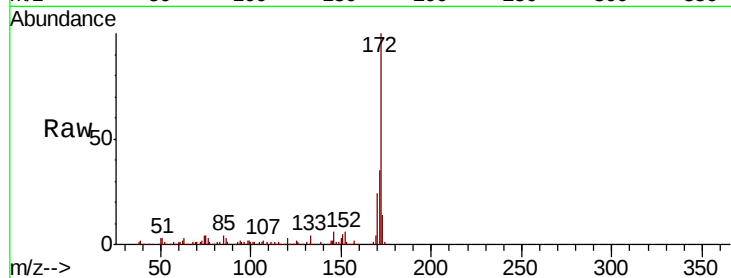




#45
2-Fluorobiphenyl
Concen: 51.793 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.02 min
Lab File: BG043267.D
Acq: 17 Oct 2019 18:22

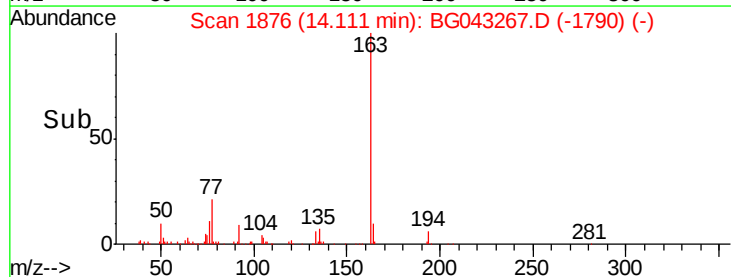
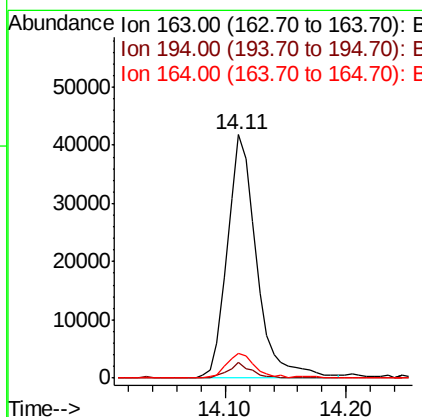
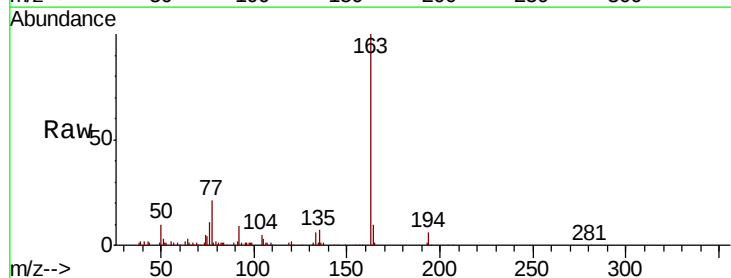
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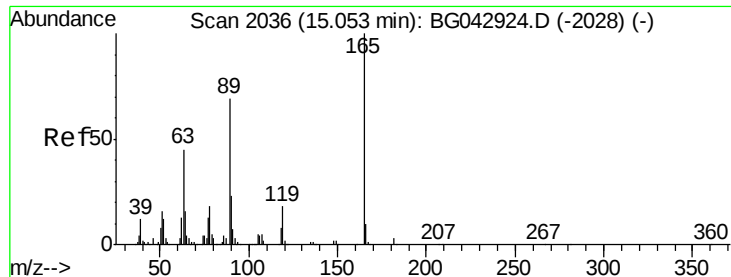
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.9	19.6	29.4



#50
Dimethylphthalate
Concen: 5.950 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG043267.D
Acq: 17 Oct 2019 18:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.3	4.4	6.6
164	10.0	8.6	12.8

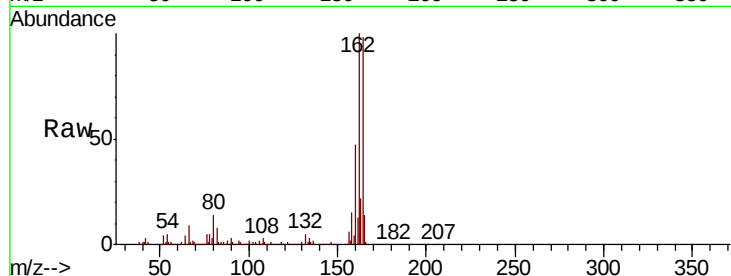




#57
 2,4-Dinitrotoluene
 Concen: 6.065 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.37 min
 Lab File: BG043267.D
 Acq: 17 Oct 2019 18:22

Instrument :
 BNA_G
 ClientSampleId :
 COMP-32

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.5	54.7#
89	1.8	55.5	83.3#
182	2.0	2.4	3.6#

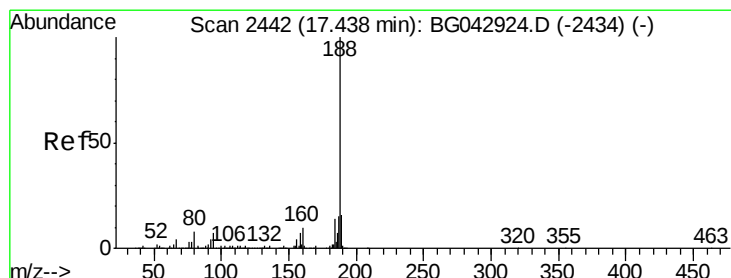
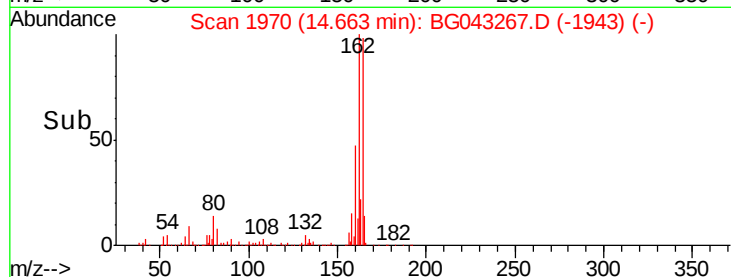
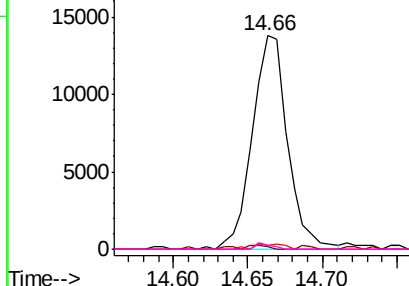


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

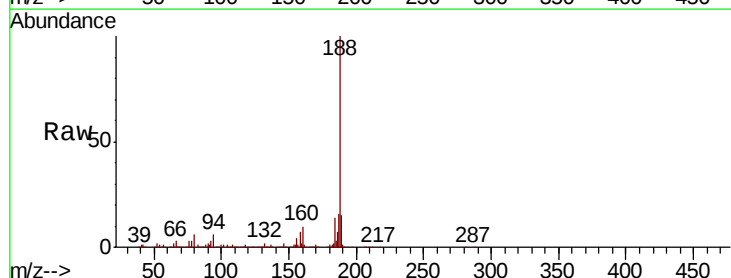
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG043267.D
 Acq: 17 Oct 2019 18:22

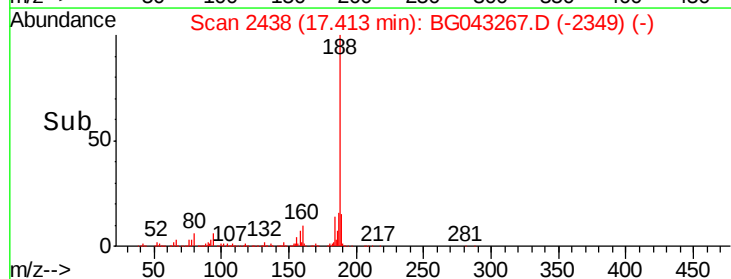
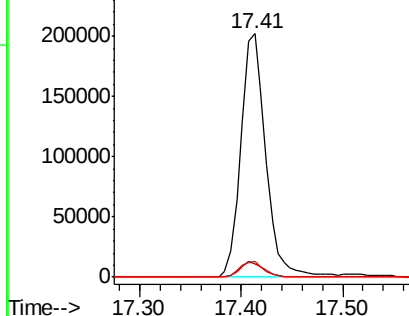
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	5.7	8.5#
80	6.4	6.5	9.7#

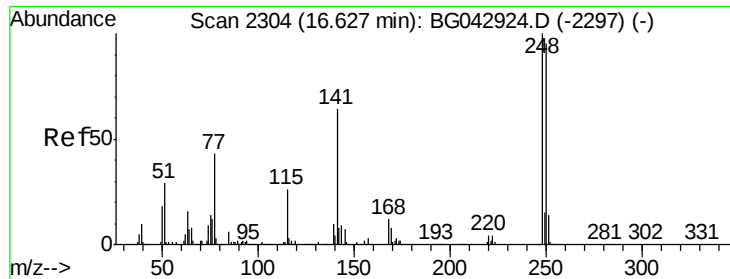


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

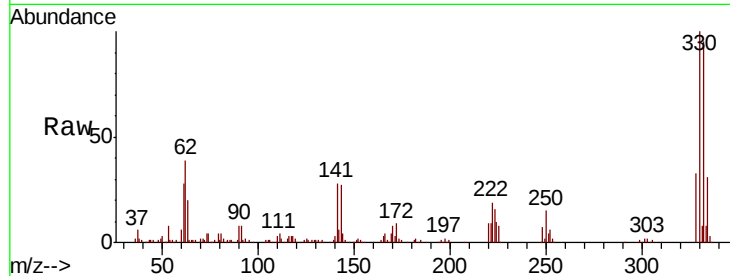




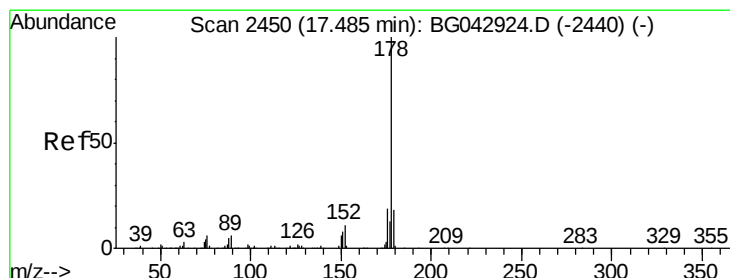
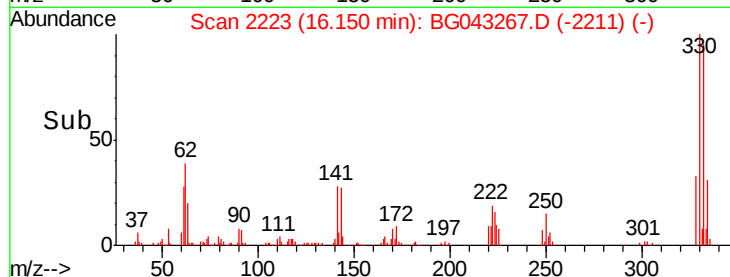
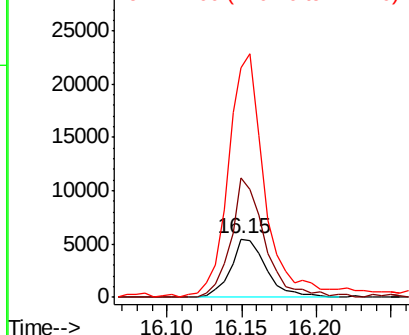
#67
 4-Bromophenyl-phenylether
 Concen: 2.117 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.46 min
 Lab File: BG043267.D
 Acq: 17 Oct 2019 18:22

Instrument :
 BNA_G
 ClientSampleId :
 COMP-32

Tot Ion:248 Resp: 9164
 Ion Ratio Lower Upper
 248 100
 250 205.0 75.8 113.8#
 141 392.0 51.1 76.7#

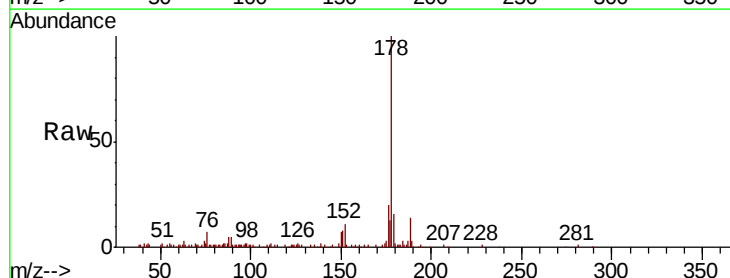


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

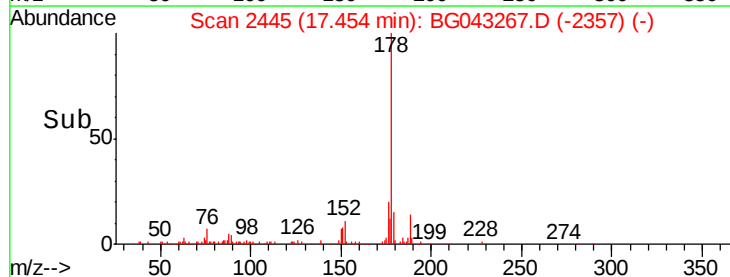
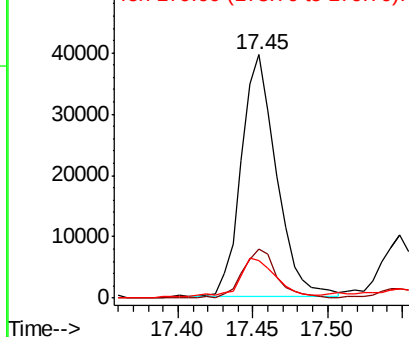


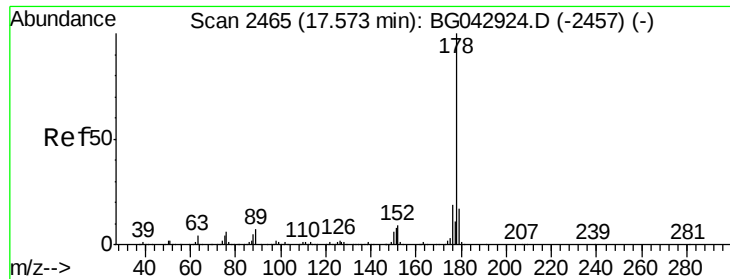
#71
 Phenanthrene
 Concen: 3.833 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG043267.D
 Acq: 17 Oct 2019 18:22

Tgt Ion:178 Resp: 64548
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.1 22.7
 179 15.6 14.1 21.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

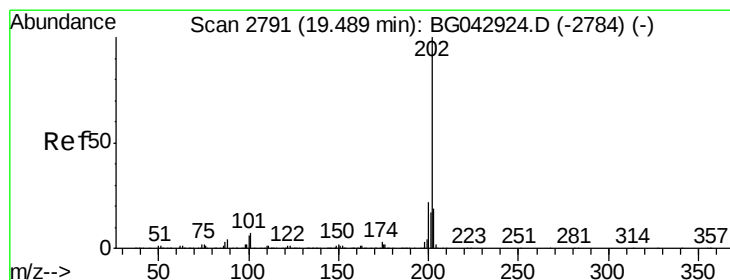
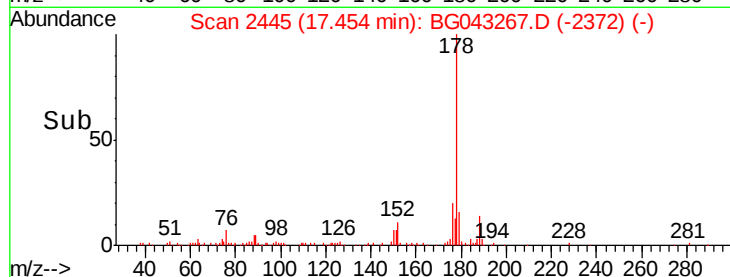
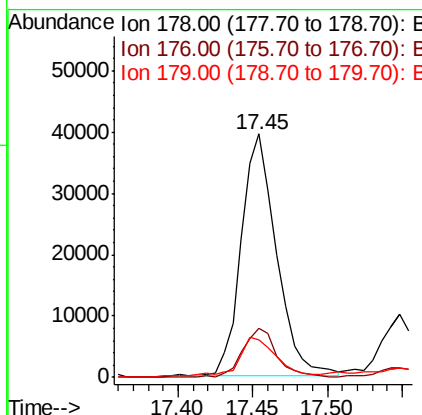
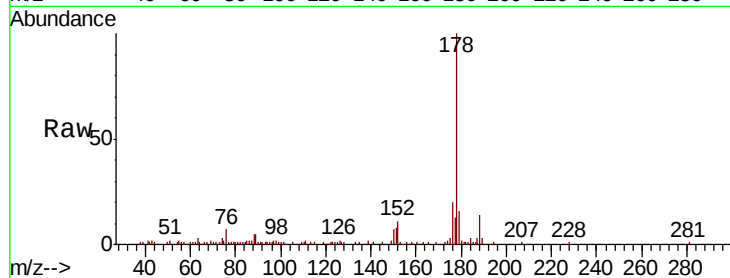




#72
 Anthracene
 Concen: 3.839 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.10 min
 Lab File: BG043267.D
 Acq: 17 Oct 2019 18:22

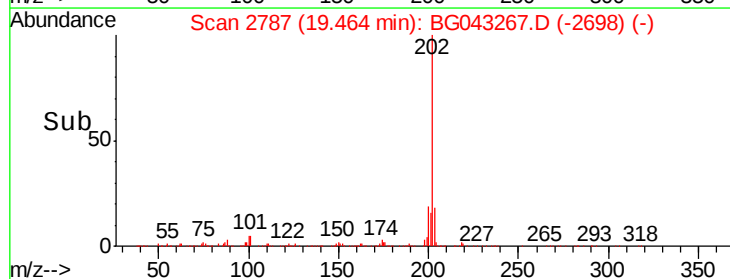
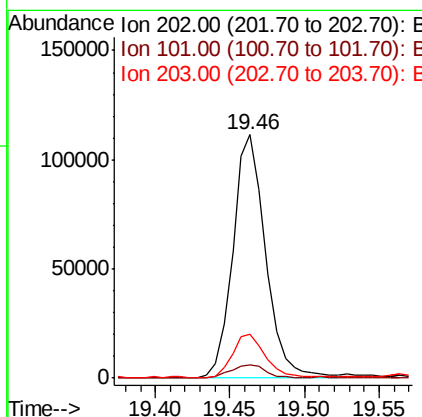
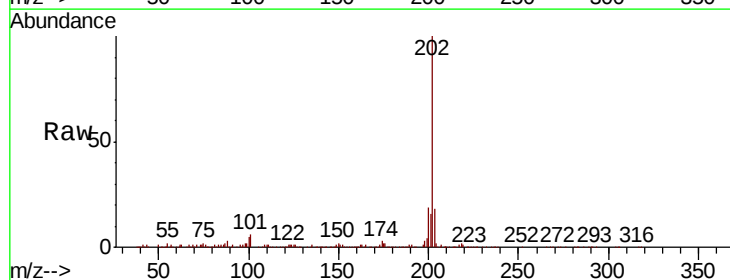
Instrument :
 BNA_G
 ClientSampleId :
 COMP-32

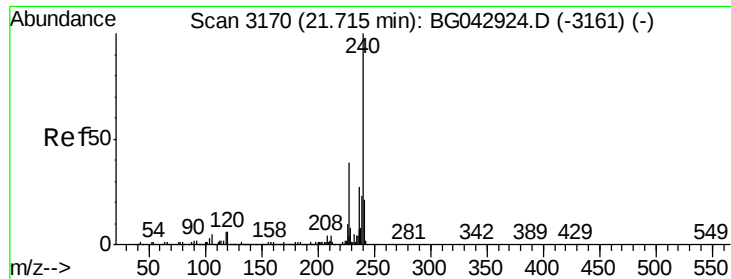
Tot Ion:178 Resp: 64548
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.5 23.3
 179 15.6 13.5 20.3



#75
 Fluoranthene
 Concen: 7.664 ng
 RT: 19.46 min Scan# 2787
 Delta R.T. -0.01 min
 Lab File: BG043267.D
 Acq: 17 Oct 2019 18:22

Tgt Ion:202 Resp: 170714
 Ion Ratio Lower Upper
 202 100
 101 5.6 0.0 27.3
 203 18.2 0.0 39.5

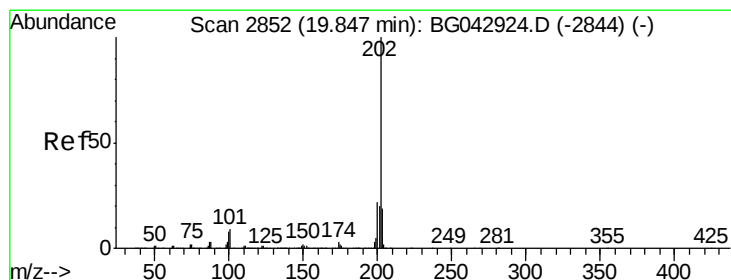
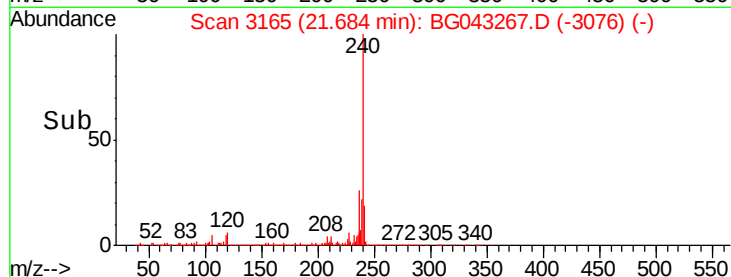
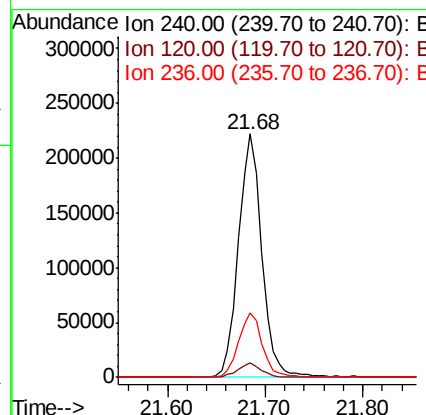
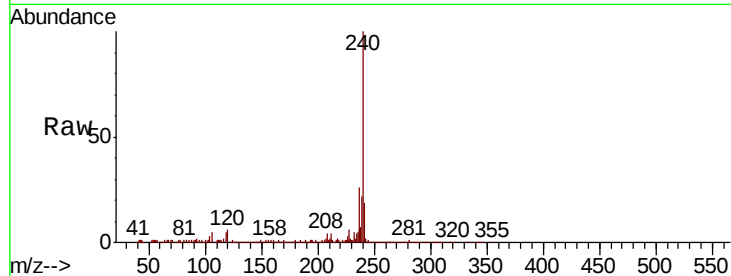




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG043267.D
 Acq: 17 Oct 2019 18:22

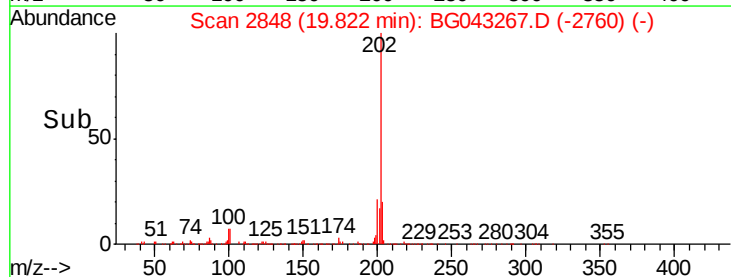
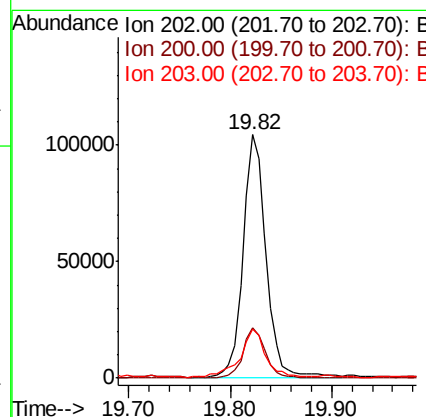
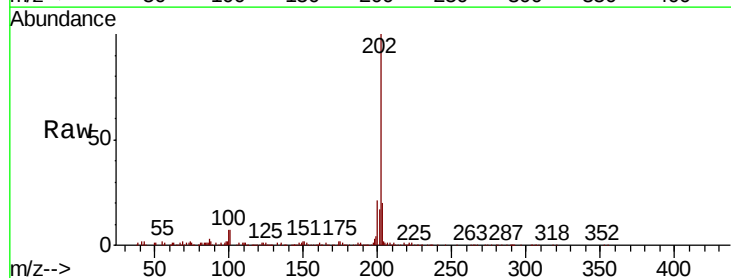
Instrument :
 BNA_G
 ClientSampleId :
 COMP-32

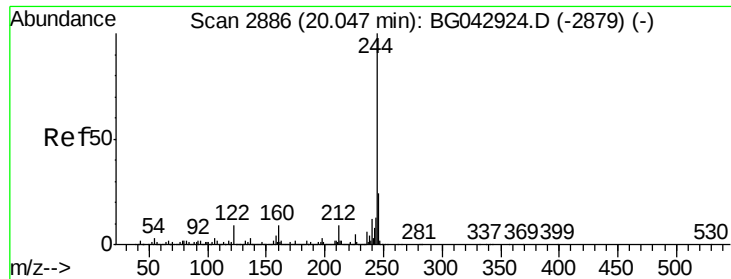
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.7	4.8	7.2
236	26.4	21.4	32.0



#78
 Pyrene
 Concen: 7.360 ng
 RT: 19.82 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BG043267.D
 Acq: 17 Oct 2019 18:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	20.0	15.2	22.8





#79

Terphenyl-d14

Concen: 55.104 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

Instrument :

BNA_G

ClientSampleId :

COMP-32

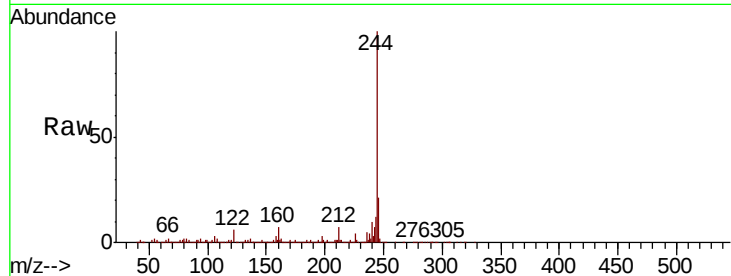
Tot Ion:244 Resp: 957664

Ion Ratio Lower Upper

244 100

212 6.9 7.4 11.0#

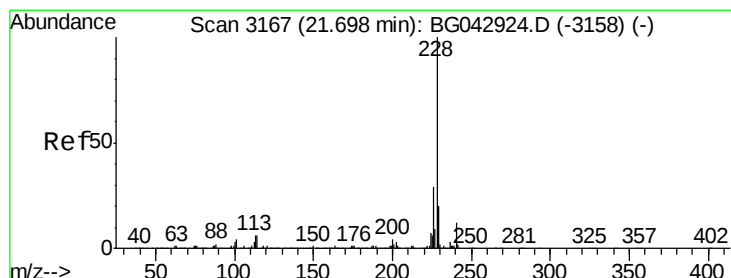
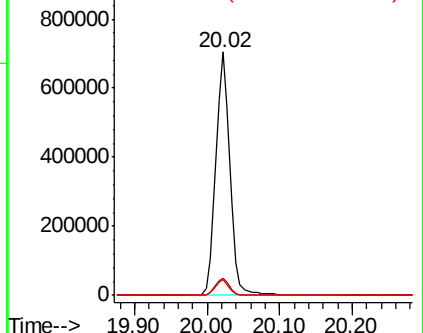
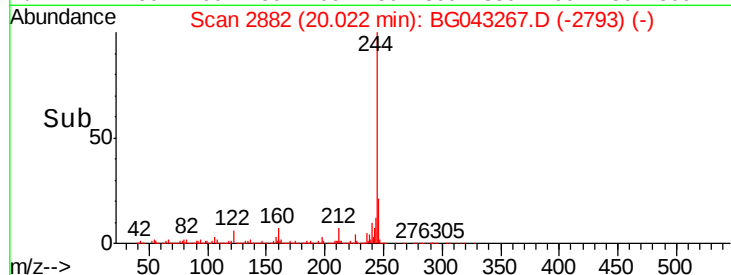
122 6.4 7.0 10.4#



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



#81

Benzo(a)anthracene

Concen: 4.046 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

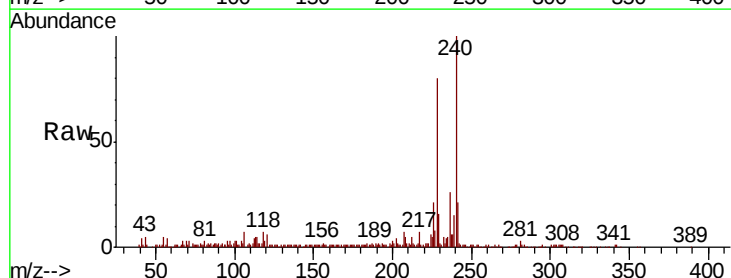
Tgt Ion:228 Resp: 93365

Ion Ratio Lower Upper

228 100

226 26.5 23.0 34.4

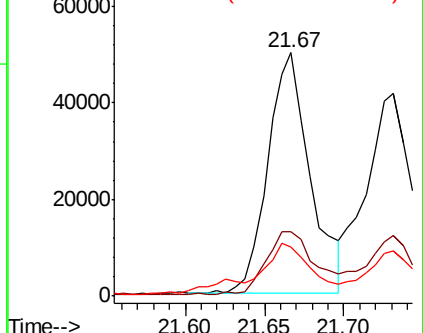
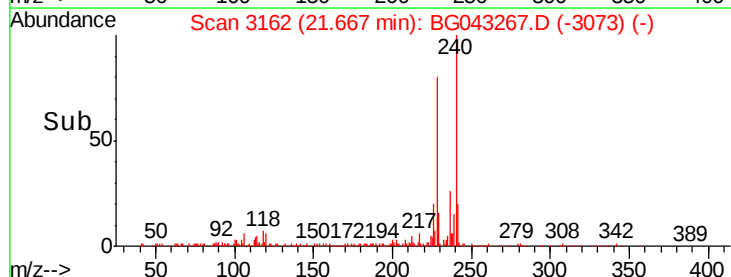
229 20.3 16.3 24.5

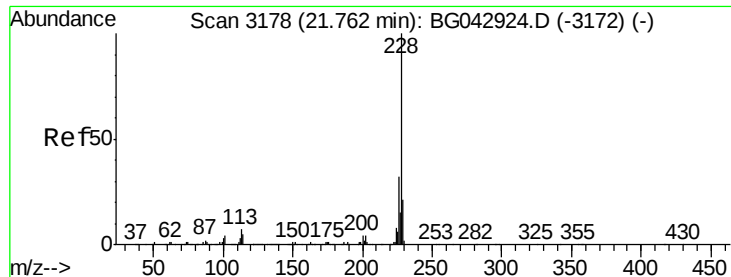


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.742 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

Instrument :

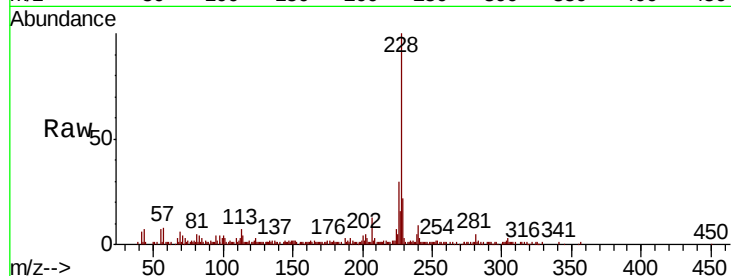
BNA_G

ClientSampleId :

COMP-32

Tot Ion:228 Resp: 83787

Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.6	38.4
229	22.2	16.9	25.3

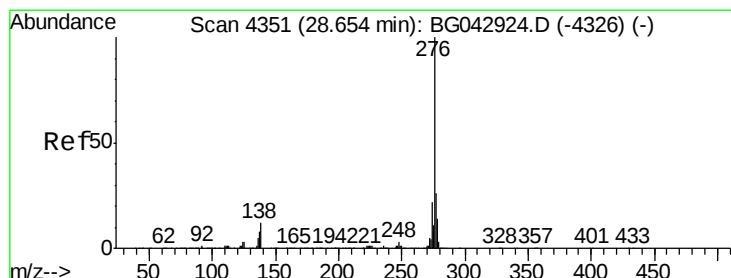
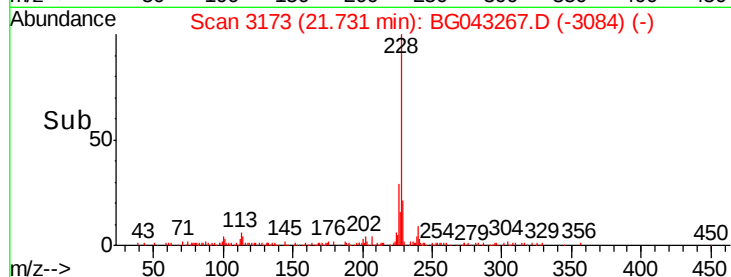
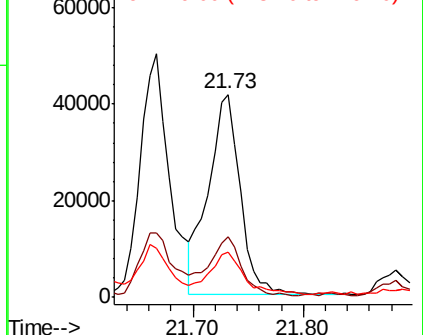


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.304 ng

RT: 28.56 min Scan# 4335

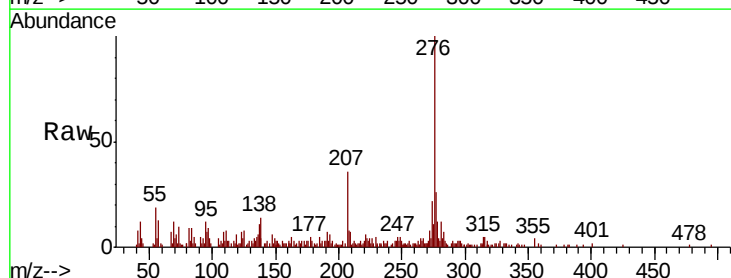
Delta R.T. -0.02 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

Tgt Ion:276 Resp: 64222

Ion	Ratio	Lower	Upper
276	100		
138	7.0	7.0	10.6#
277	25.1	20.9	31.3

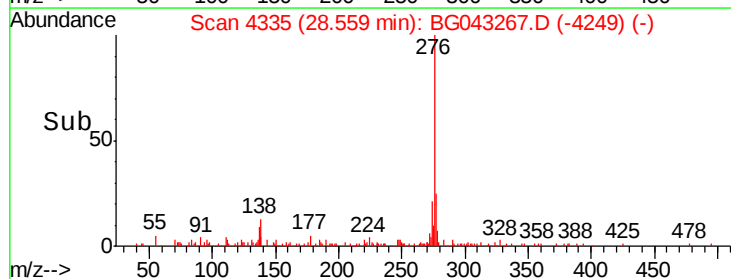
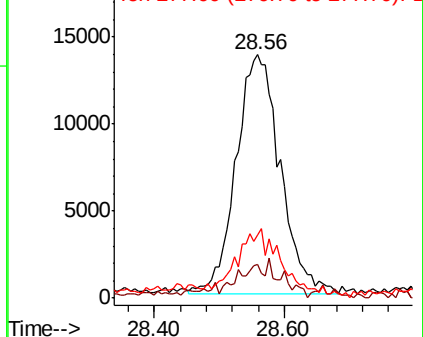


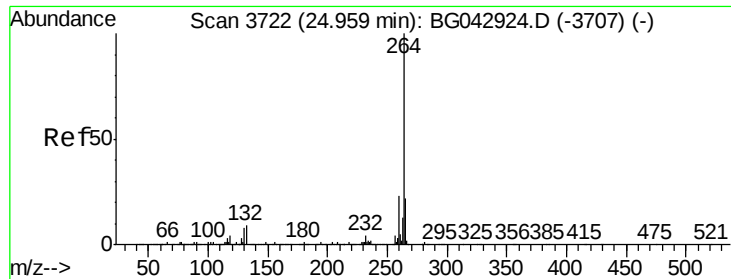
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

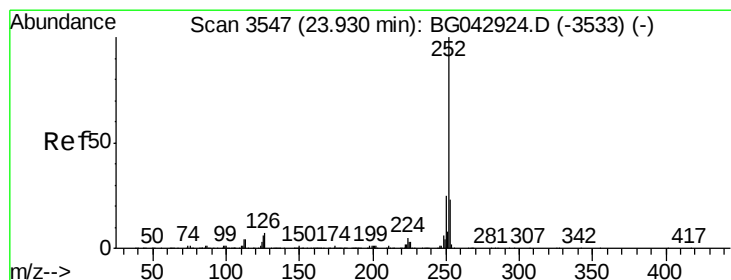
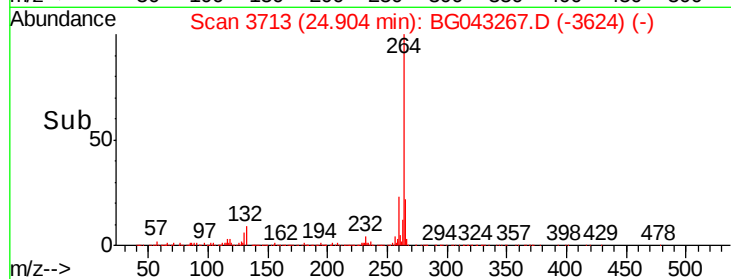
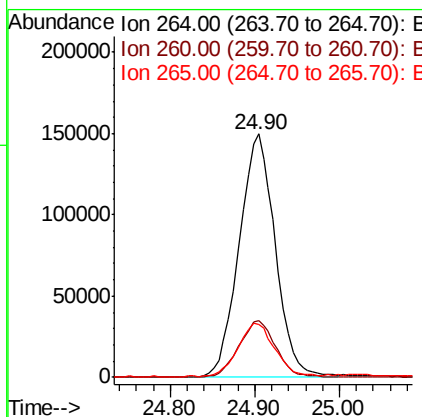
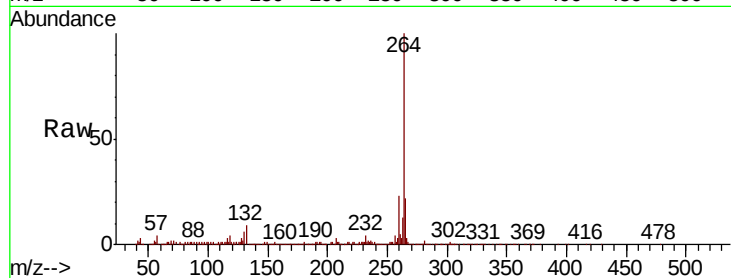




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG043267.D
Acq: 17 Oct 2019 18:22

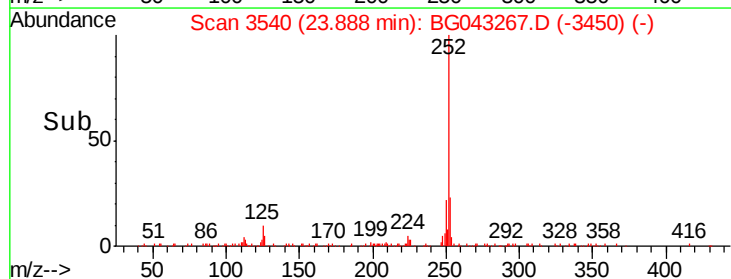
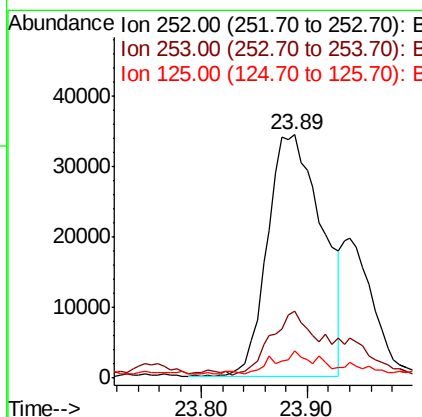
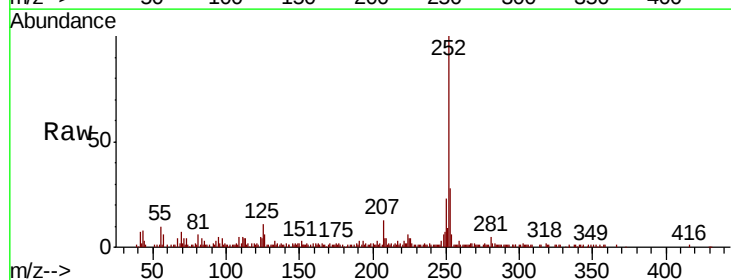
Instrument :
BNA_G
ClientSampleId :
COMP-32

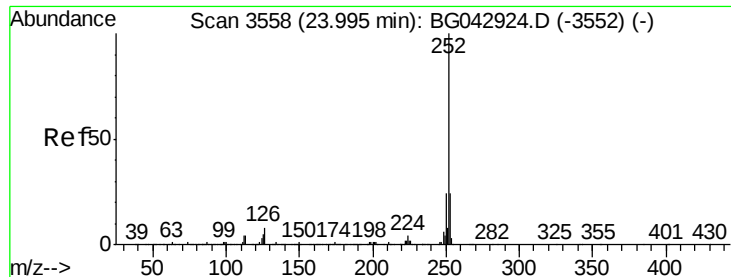
Tot Ion:264 Resp: 440703
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 22.0 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 4.946 ng
RT: 23.89 min Scan# 3540
Delta R.T. 0.00 min
Lab File: BG043267.D
Acq: 17 Oct 2019 18:22

Tgt Ion:252 Resp: 123333
Ion Ratio Lower Upper
252 100
253 27.8 18.2 27.2#
125 11.1 4.6 7.0#





#89

Benzo(k)fluoranthene

Concen: 5.000 ng

RT: 23.89 min Scan# 3540

Delta R.T. -0.07 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

Instrument :

BNA_G

ClientSampleId :

COMP-32

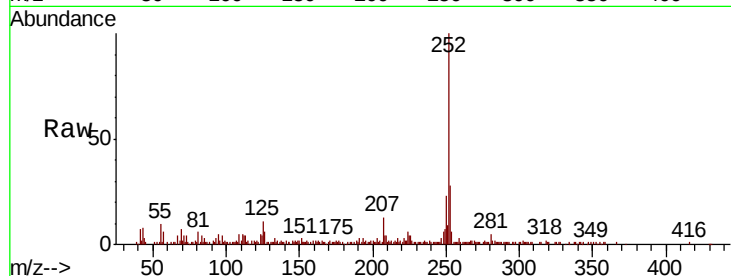
Tot Ion:252 Resp: 123333

Ion Ratio Lower Upper

252 100

253 27.8 18.9 28.3

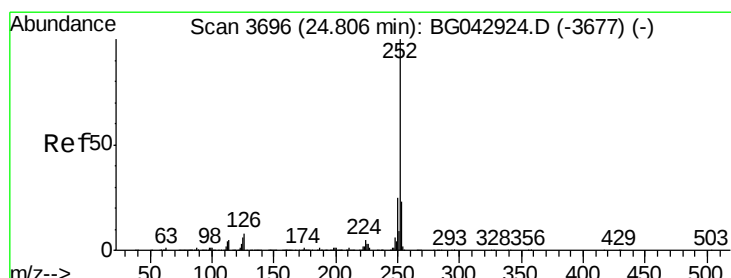
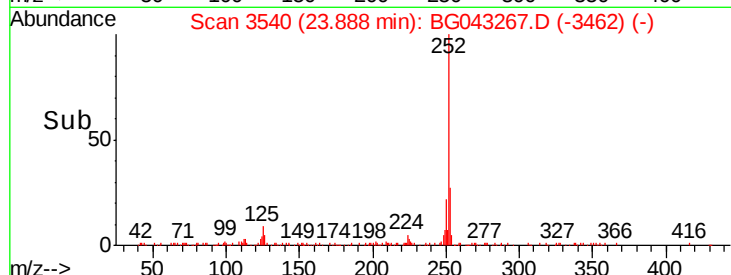
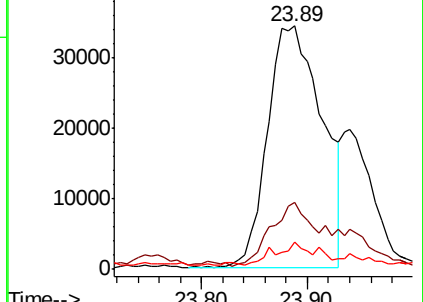
125 11.1 4.5 6.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 3.694 ng

RT: 24.75 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BG043267.D

Acq: 17 Oct 2019 18:22

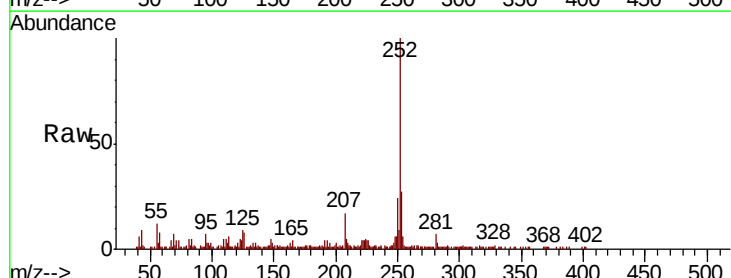
Tgt Ion:252 Resp: 86902

Ion Ratio Lower Upper

252 100

253 26.9 18.2 27.4

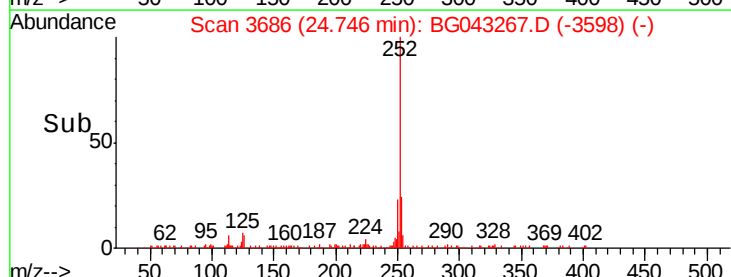
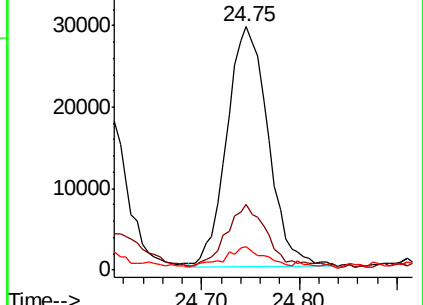
125 9.4 5.0 7.6#

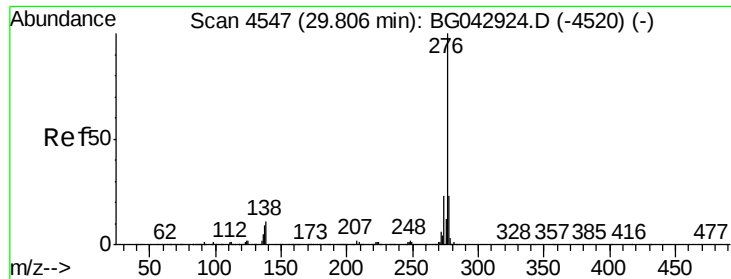


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

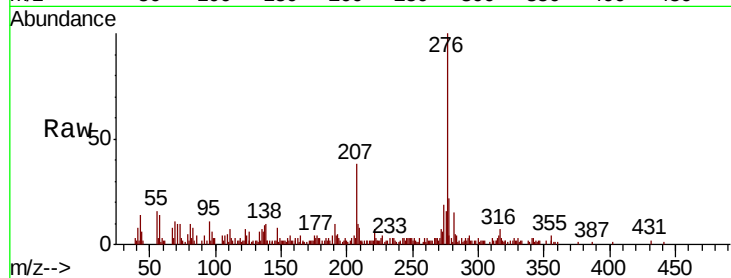




#92
 Benzo(a,h,i)perylene
 Concen: 2.653 ng
 RT: 29.70 min Scan# 4530
 Delta R.T. -0.02 min
 Lab File: BG043267.D
 Acq: 17 Oct 2019 18:22

Instrument :
 BNA_G
 ClientSampleId :
 COMP-32

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.9	18.4	27.6
138	9.9	8.6	12.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

