

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111419\
 Data File : BG043646.D
 Acq On : 14 Nov 2019 23:02
 Operator : JU
 Sample : K5670-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219

Quant Time: Nov 15 01:01:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

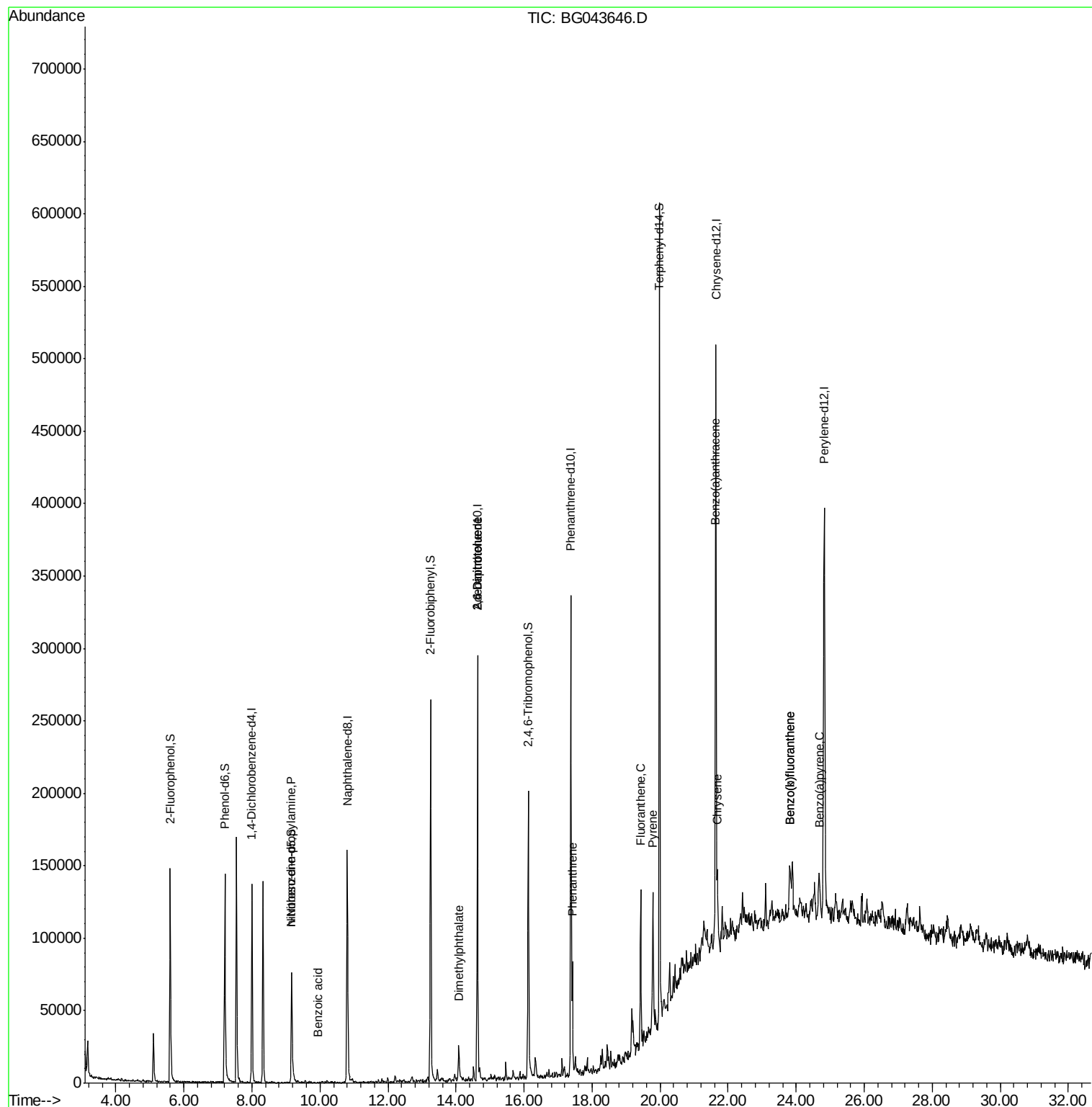
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	40102	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	156094	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	105632	20.00	ng	-0.01
64) Phenanthrene-d10	17.37	188	234779	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	256828	20.00	ng	-0.02
87) Perylene-d12	24.82	264	303573	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	74593	34.09	ng	0.00
7) Phenol-d6	7.20	99	101907	32.37	ng	0.00
23) Nitrobenzene-d5	9.17	82	60750	20.06	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	52282	26.01	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	167283	21.88	ng	-0.02
79) Terphenyl-d14	19.98	244	307073	22.43	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	8463	4.160	ng	# 82
32) Benzoic acid	9.95	122	56	9.079	ng	# 1
50) Dimethylphthalate	14.08	163	18967	2.318	ng	# 95
51) 2,6-Dinitrotoluene	14.63	165	14794	8.323	ng	# 24
57) 2,4-Dinitrotoluene	14.63	165	14794	5.824	ng	# 27
71) Phenanthrene	17.42	178	47947	3.988	ng	96
75) Fluoranthene	19.43	202	77229	4.927	ng	98
78) Pyrene	19.79	202	66490	4.182	ng	97
81) Benzo(a)anthracene	21.62	228	41395	2.573	ng	98
83) Chrysene	21.68	228	33556	2.099	ng	96
88) Benzo(b)fluoranthene	23.82	252	42881	2.494	ng	# 89
89) Benzo(k)fluoranthene	23.82	252	42881	2.477	ng	# 88
90) Benzo(a)pyrene	24.68	252	34448	2.098	ng	# 88

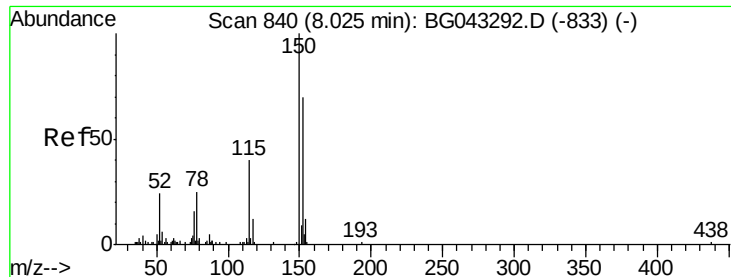
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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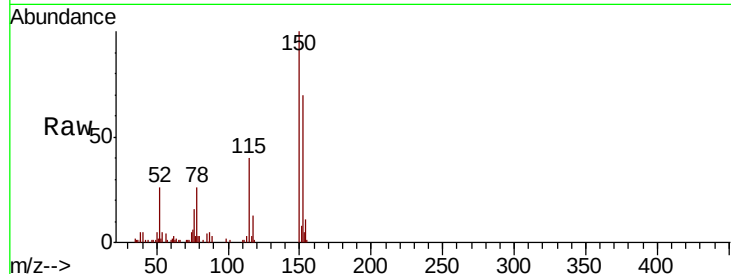


#1

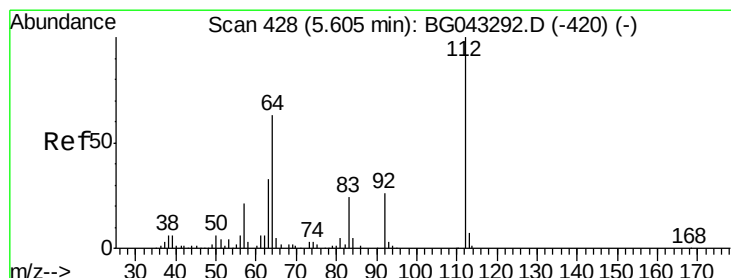
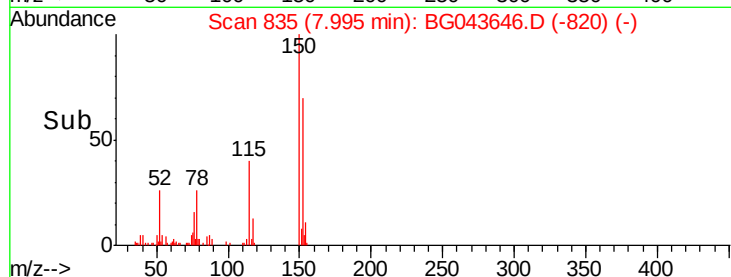
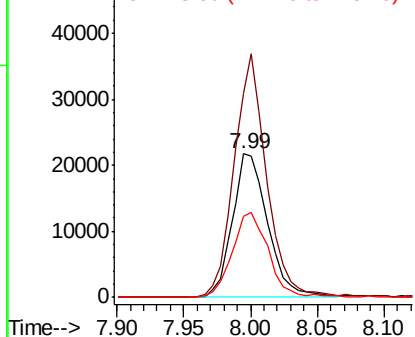
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043646.D
Acq: 14 Nov 2019 23:02

Instrument :
BNA_G
ClientSampleId :
OK-03-111219

Tot Ion:152 Resp: 40102
Ion Ratio Lower Upper
152 100
150 142.5 129.4 194.0
115 56.6 48.8 73.2



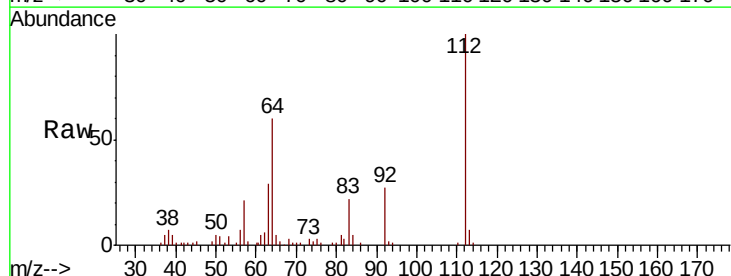
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



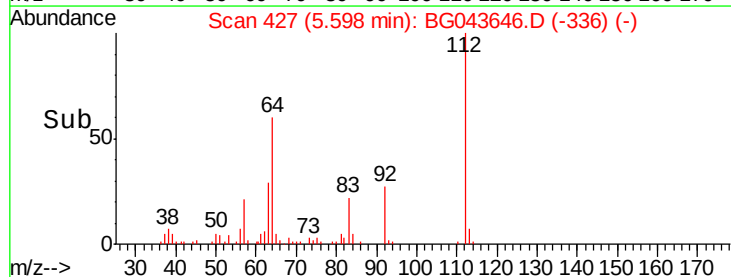
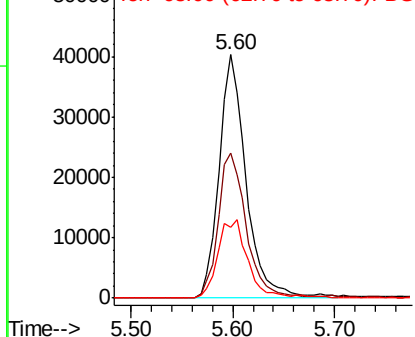
#5

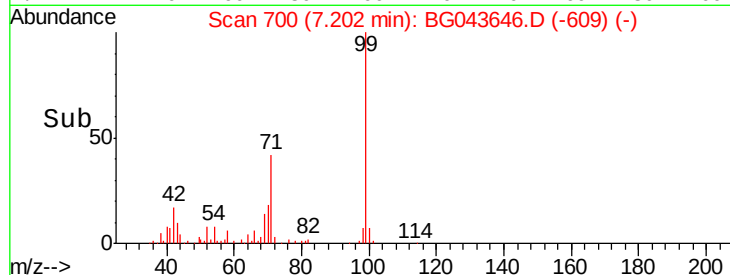
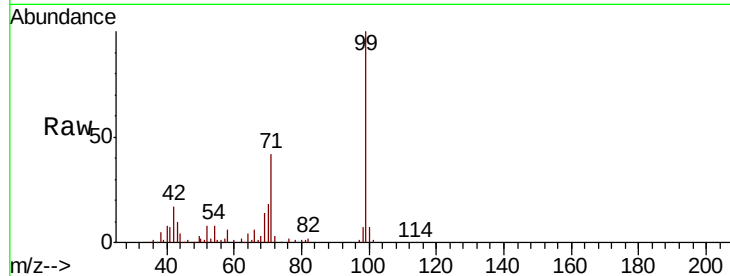
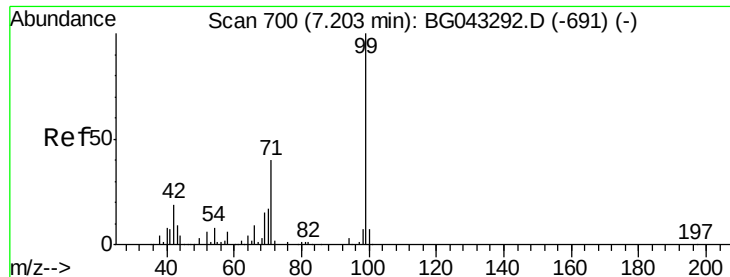
2-Fluorophenol
Concen: 34.085 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043646.D
Acq: 14 Nov 2019 23:02

Tgt Ion:112 Resp: 74593
Ion Ratio Lower Upper
112 100
64 59.7 50.0 75.0
63 29.0 26.6 40.0



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: 32.365 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

Instrument :

BNA_G

ClientSampleId :

OK-03-111219

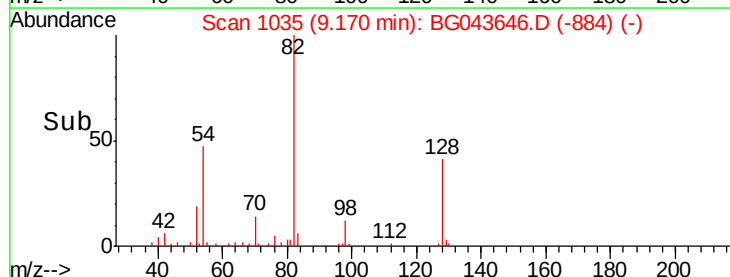
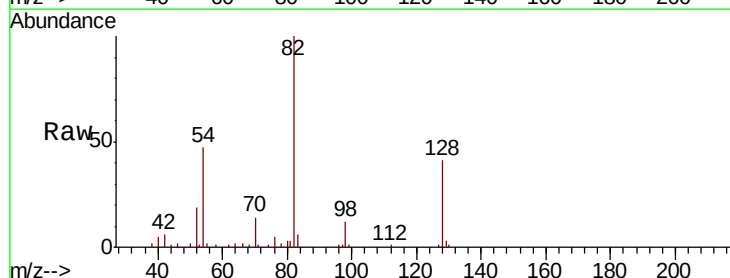
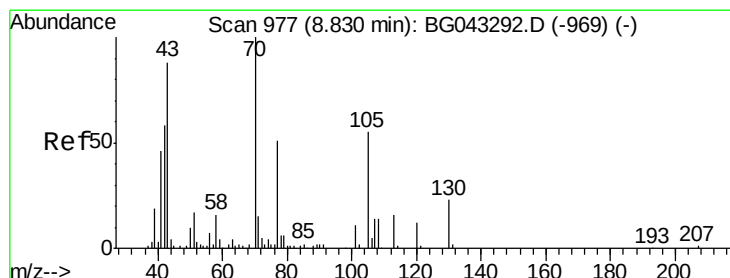
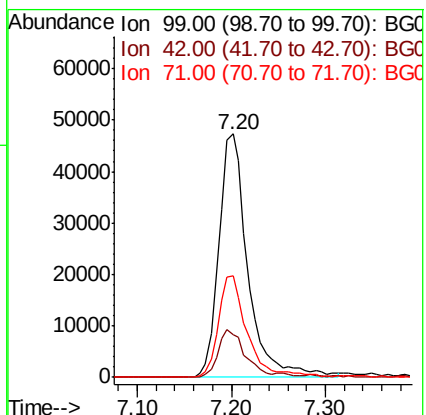
Tot Ion: 99 Resp: 101907

Ion Ratio Lower Upper

99 100

42 17.4 14.6 21.8

71 41.8 32.5 48.7



#19

n-Nitroso-di-n-propylamine

Concen: 4.160 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

Tgt Ion: 70 Resp: 8463

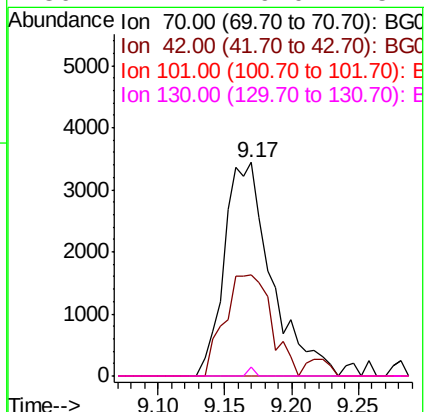
Ion Ratio Lower Upper

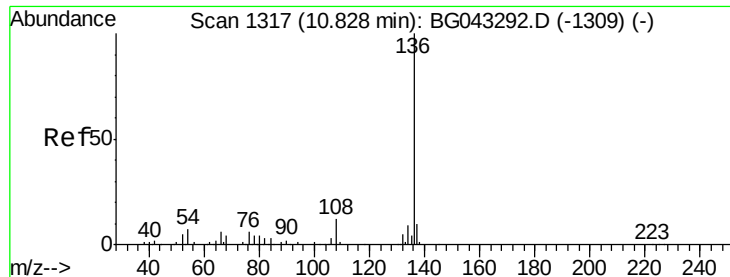
70 100

42 47.4 41.4 62.2

101 0.0 7.9 11.9#

130 4.4 19.0 28.4#

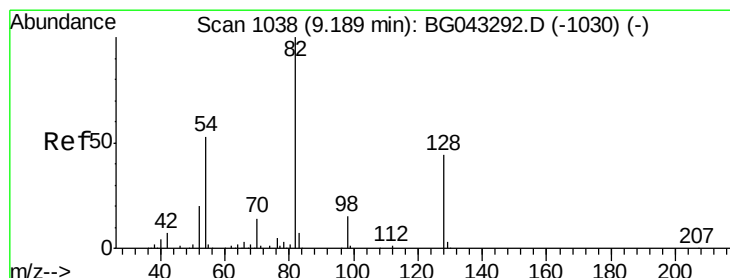
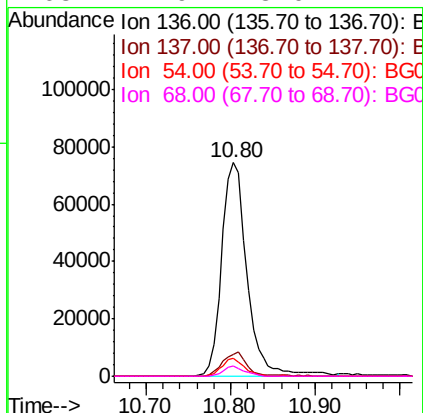
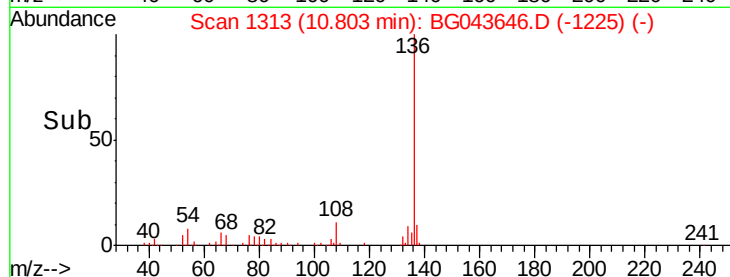
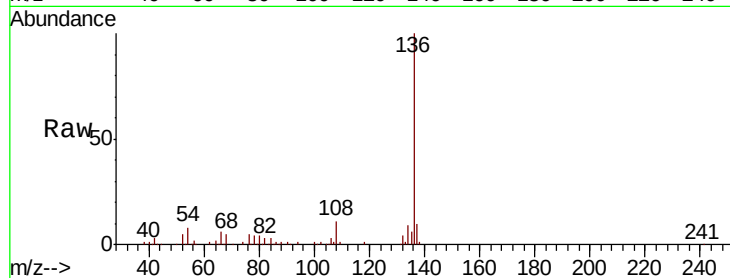




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG043646.D
Acq: 14 Nov 2019 23:02

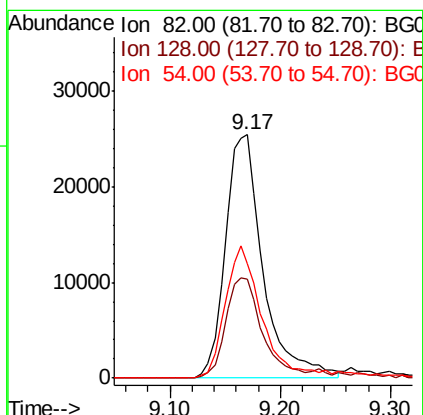
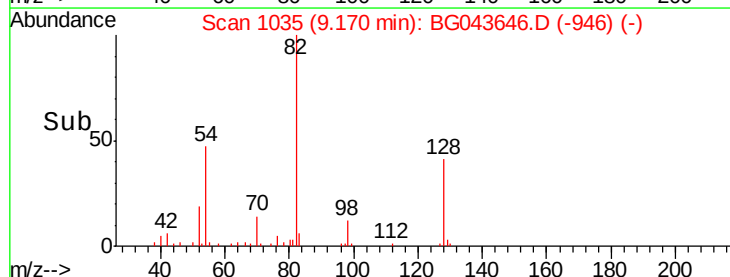
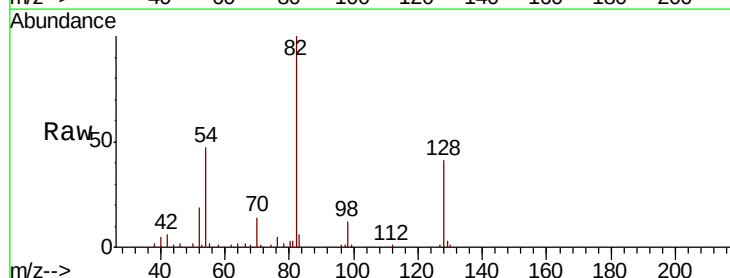
Instrument :
BNA_G
ClientSampleId :
OK-03-111219

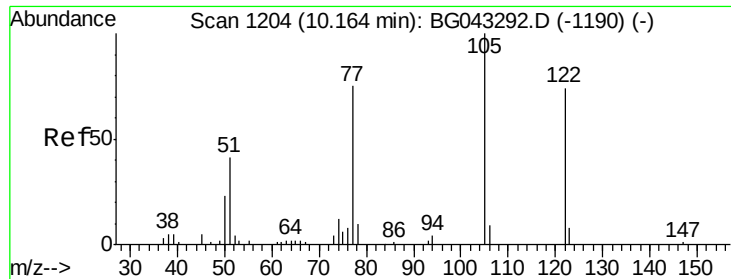
Tot Ion:136	Resp:	156094
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.7 13.1
54	8.3	5.4 8.2#
68	4.9	3.0 4.4#



#23
Nitrobenzene-d5
Concen: 20.064 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG043646.D
Acq: 14 Nov 2019 23:02

Tgt Ion: 82	Resp:	60750
Ion	Ratio	Lower Upper
82	100	
128	40.9	35.0 52.6
54	47.2	40.2 60.2

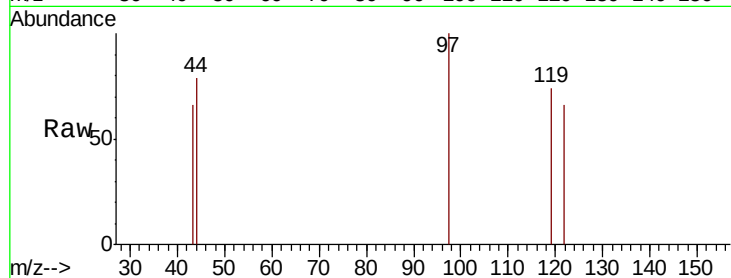




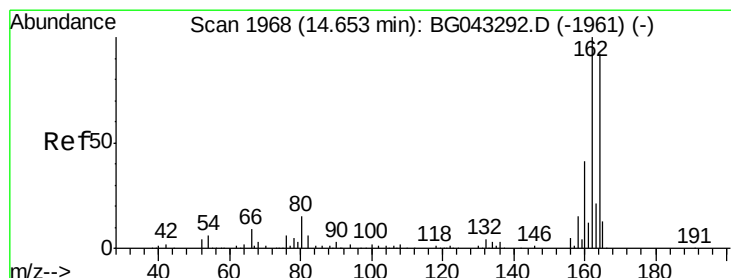
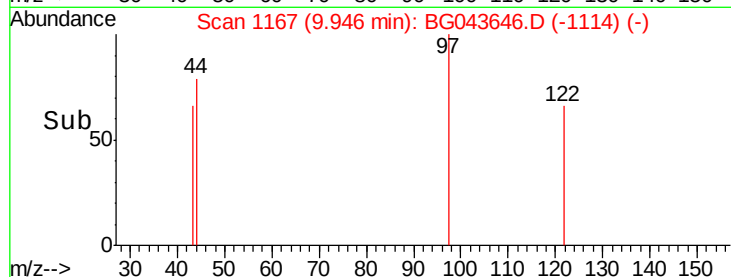
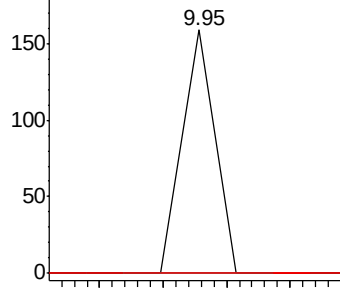
#32
Benzoic acid
Concen: 9.079 ng
RT: 9.95 min Scan# 1167
Delta R.T. -0.22 min
Lab File: BG043646.D
Acq: 14 Nov 2019 23:02

Instrument :
BNA_G
ClientSampleId :
OK-03-111219

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	0.0	84.9	124.9#

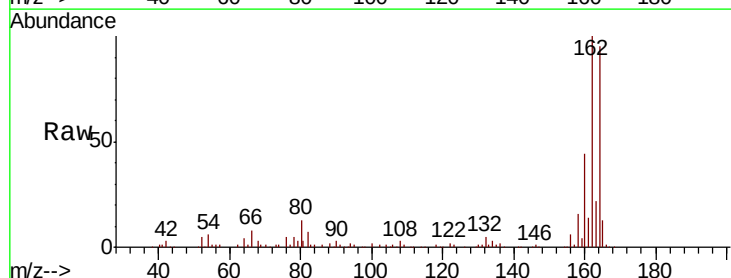


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

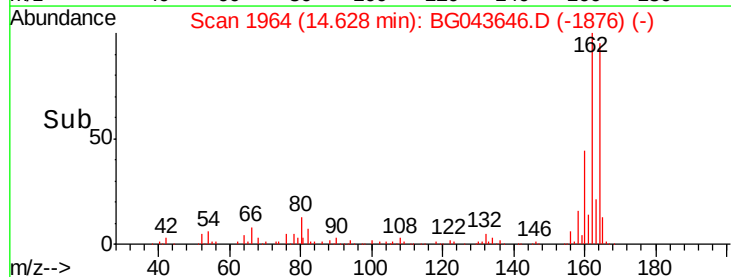
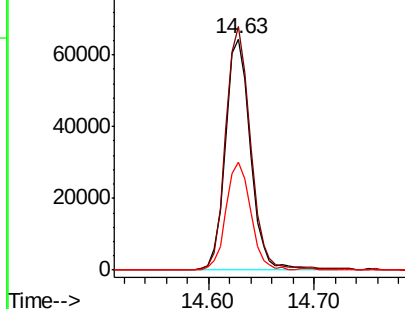


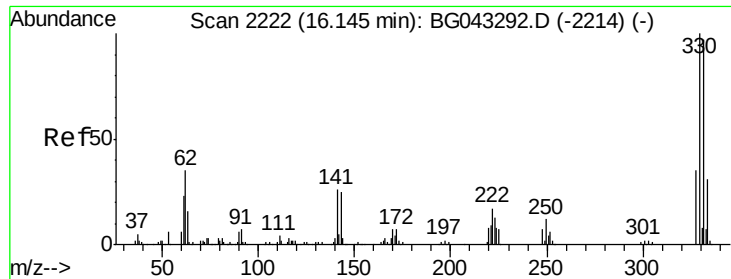
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG043646.D
Acq: 14 Nov 2019 23:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	83.5	125.3
160	46.5	36.5	54.7



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

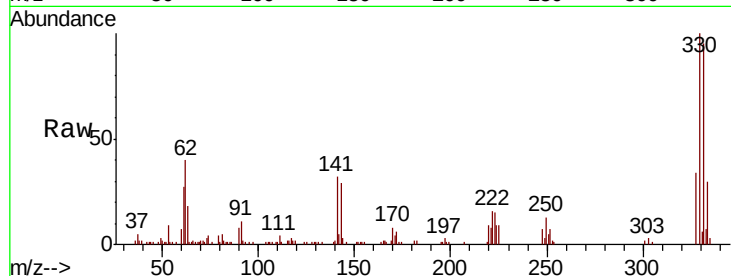




#42
 2,4,6-Tribromophenol
 Concen: 26.009 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG043646.D
 Acq: 14 Nov 2019 23:02

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	29.0	22.8	34.2

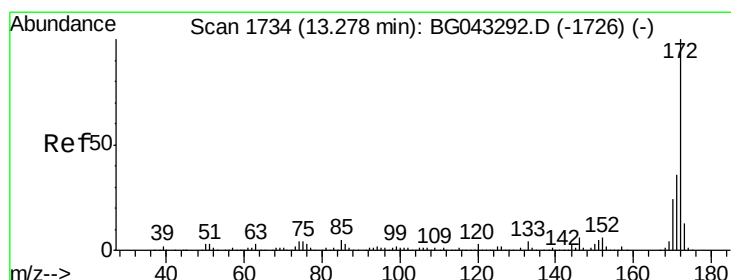
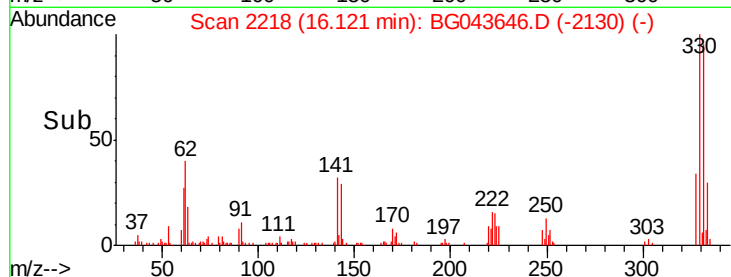
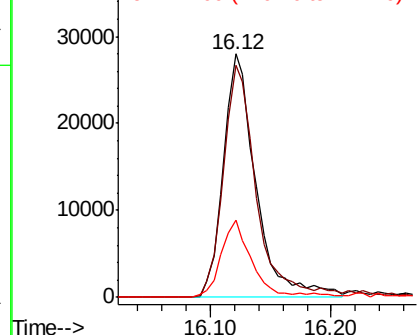


Abundance

Ion 329.80 (329.50 to 330.50): E

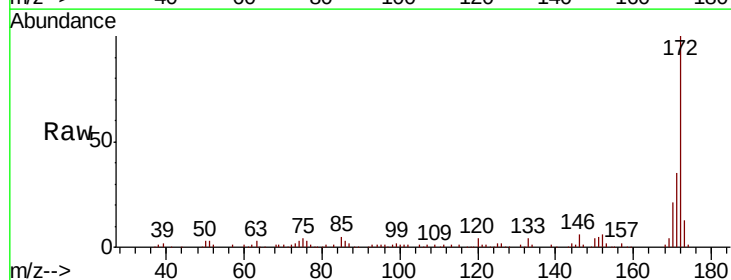
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 21.883 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BG043646.D
 Acq: 14 Nov 2019 23:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.9	43.3
170	21.0	18.5	27.7

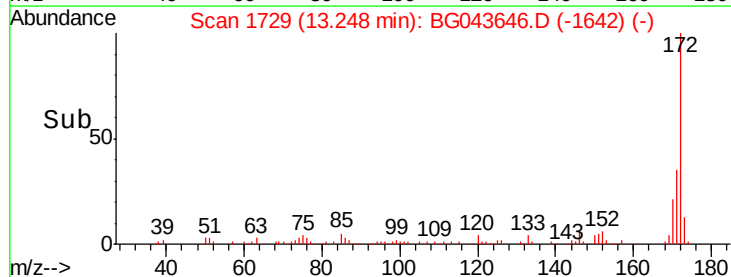
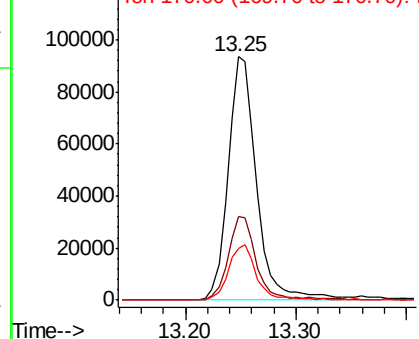


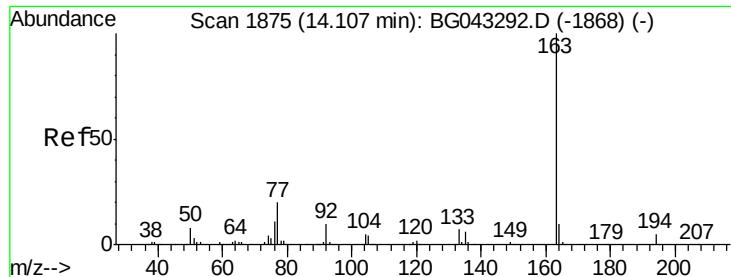
Abundance

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: 2.318 ng

RT: 14.08 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

Instrument :

BNA_G

ClientSampleId :

OK-03-111219

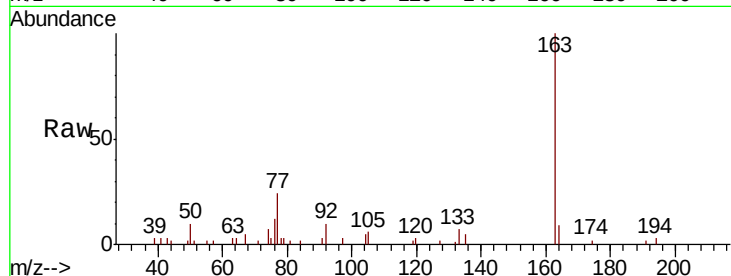
Tot Ion:163 Resp: 18967

Ion Ratio Lower Upper

163 100

194 3.0 3.8 5.6#

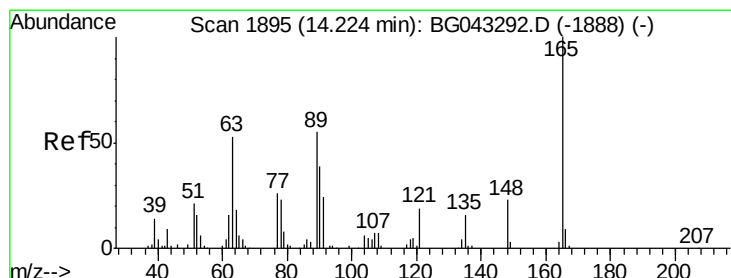
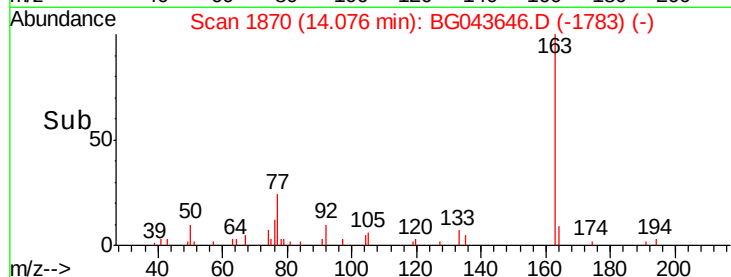
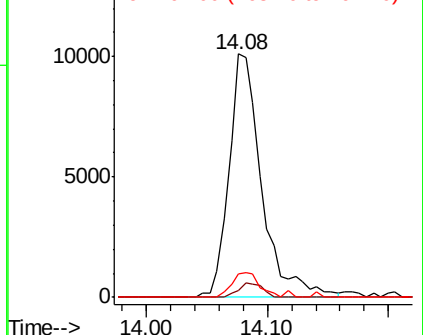
164 9.5 8.9 13.3



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



#51

2,6-Dinitrotoluene

Concen: 8.323 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.42 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

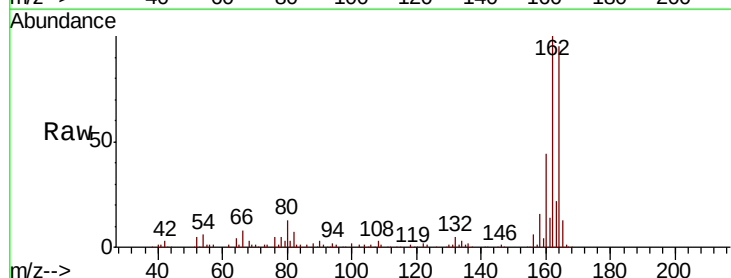
Tgt Ion:165 Resp: 14794

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

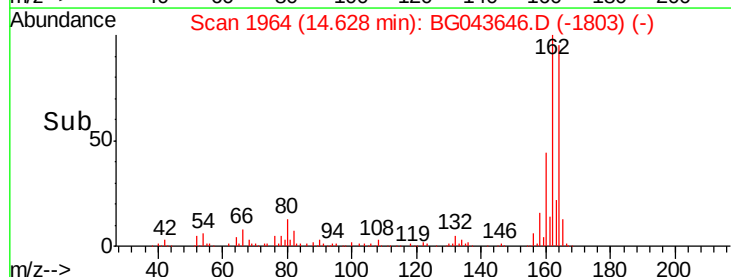
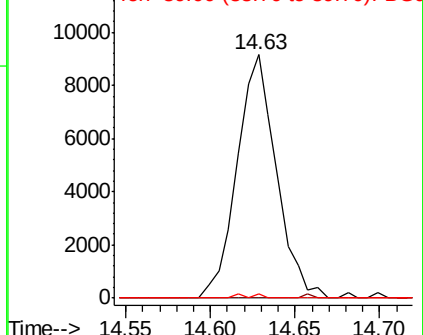
89 1.9 45.1 67.7#

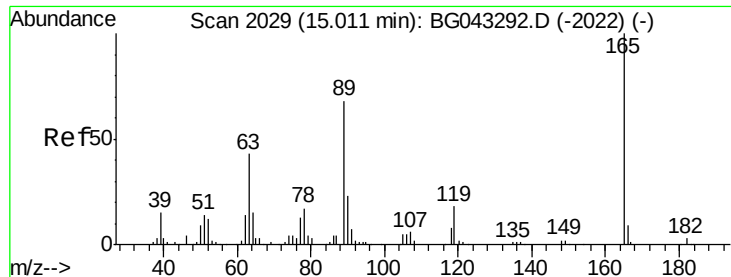


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

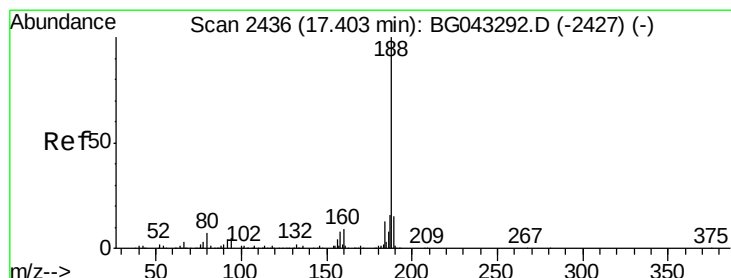
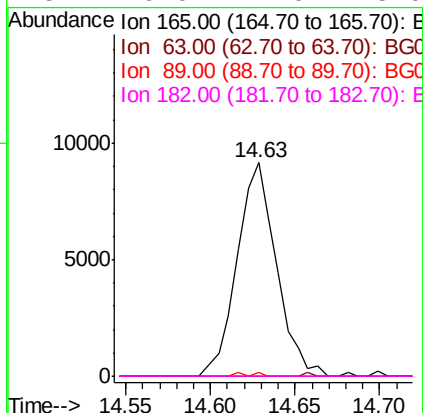
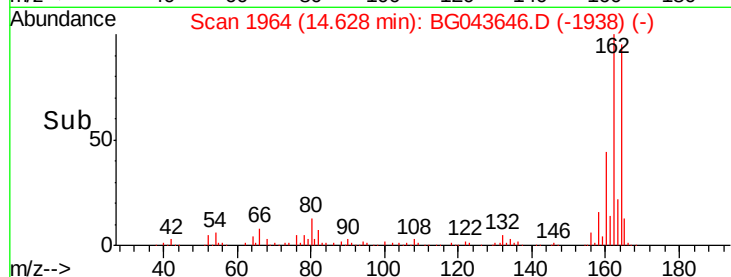
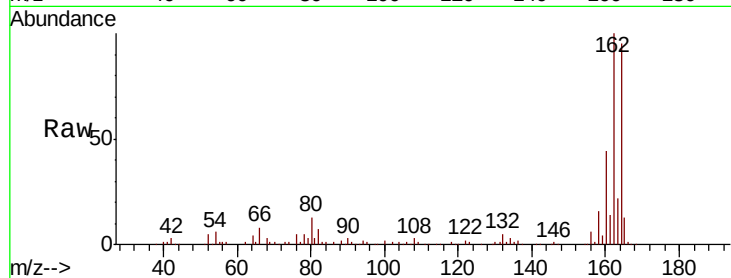




#57
 2,4-Dinitrotoluene
 Concen: 5.824 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.38 min
 Lab File: BG043646.D
 Acq: 14 Nov 2019 23:02

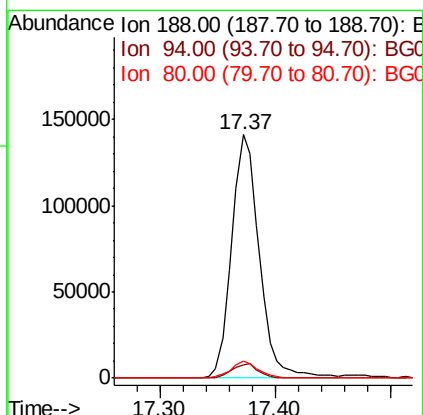
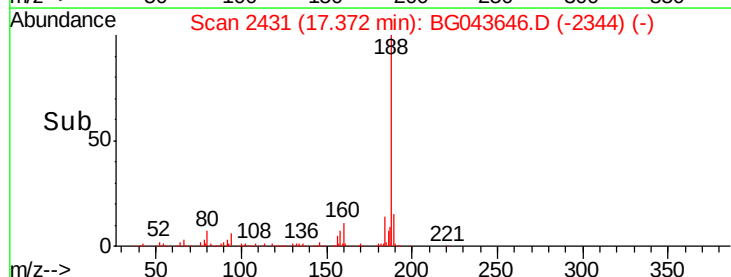
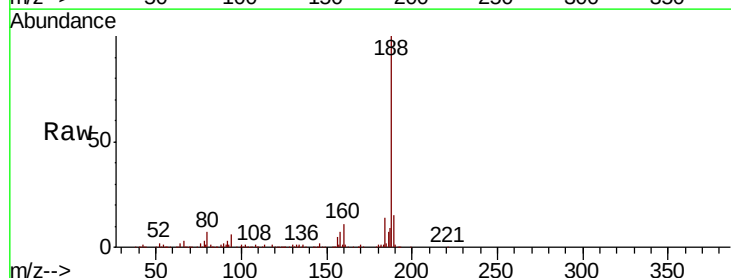
Instrument :
 BNA_G
 ClientSampleId :
 OK-03-111219

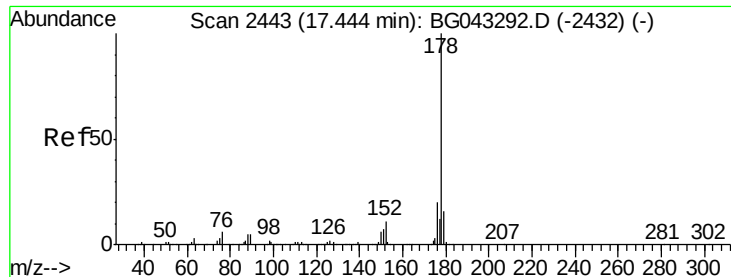
Tot Ion:165	Resp:	14794	
Ion Ratio	Lower	Upper	
165 100			
63 0.0	33.2	49.8#	
89 1.9	52.2	78.4#	
182 0.0	2.0	3.0#	



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BG043646.D
 Acq: 14 Nov 2019 23:02

Tgt Ion	Ion:188	Resp:	234779
	Ratio	Lower	Upper
188	100		
94	5.5	4.2	6.4
80	7.0	4.5	6.7#





#71

Phenanthrene

Concen: 3.988 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

Instrument :

BNA_G

ClientSampleId :

OK-03-111219

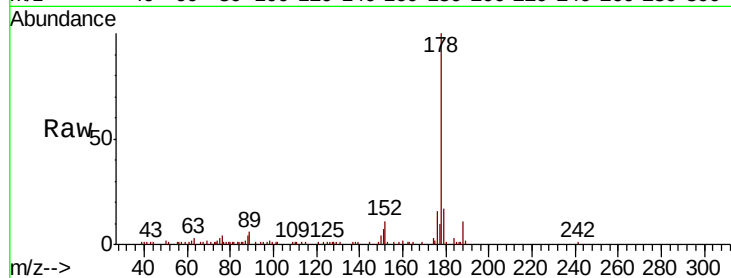
Tot Ion:178 Resp: 47947

Ion Ratio Lower Upper

178 100

176 15.8 15.4 23.0

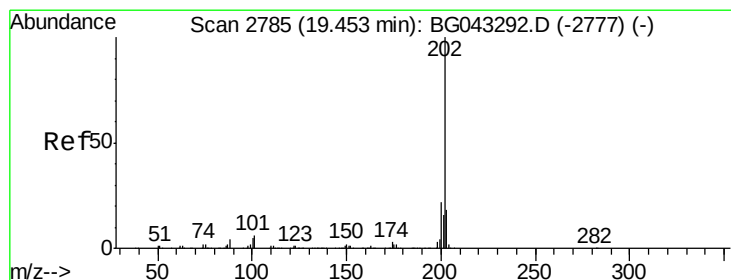
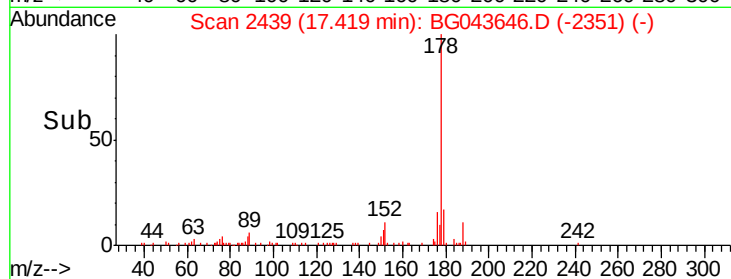
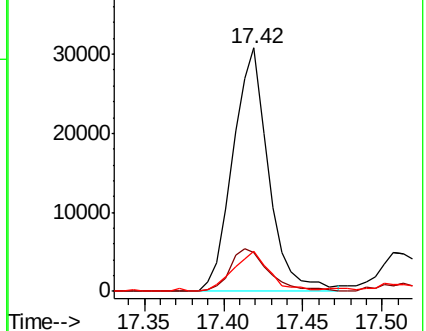
179 16.7 13.0 19.6



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



#75

Fluoranthene

Concen: 4.927 ng

RT: 19.43 min Scan# 2781

Delta R.T. -0.01 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

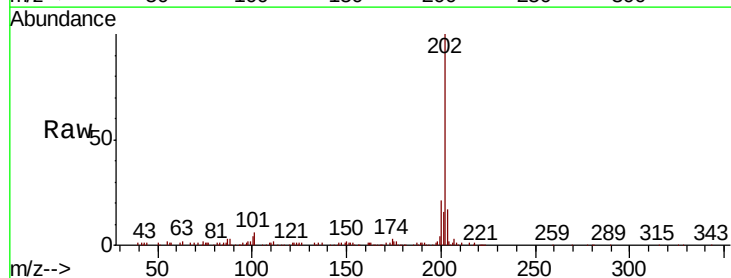
Tgt Ion:202 Resp: 77229

Ion Ratio Lower Upper

202 100

101 5.9 0.0 26.3

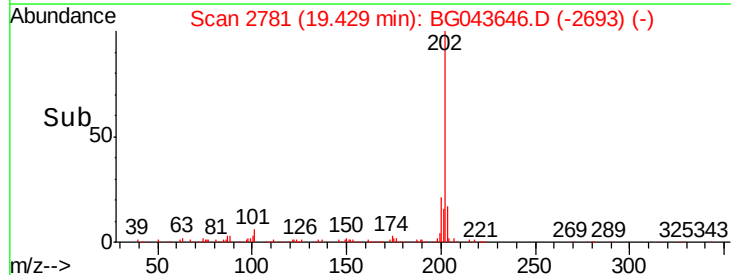
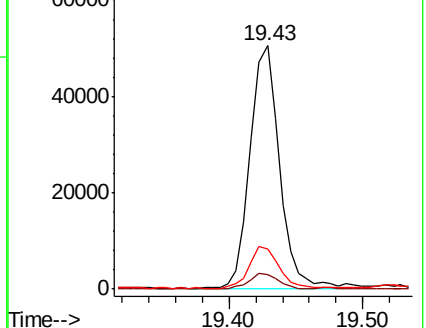
203 16.7 0.0 37.9

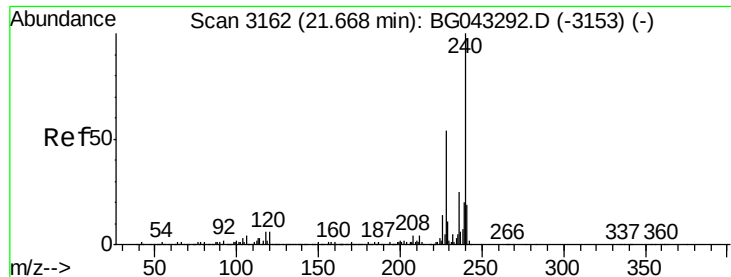


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

Instrument :

BNA_G

ClientSampleId :

OK-03-111219

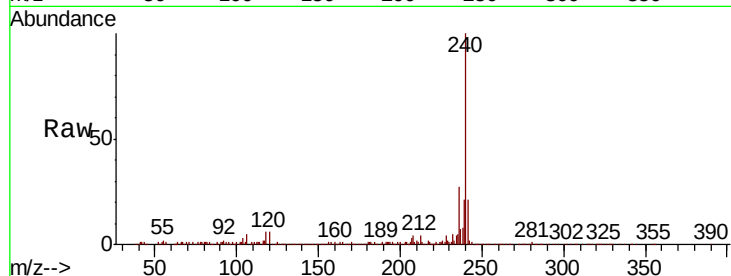
Tot Ion:240 Resp: 256828

Ion Ratio Lower Upper

240 100

120 5.5 4.6 6.8

236 26.6 19.8 29.8



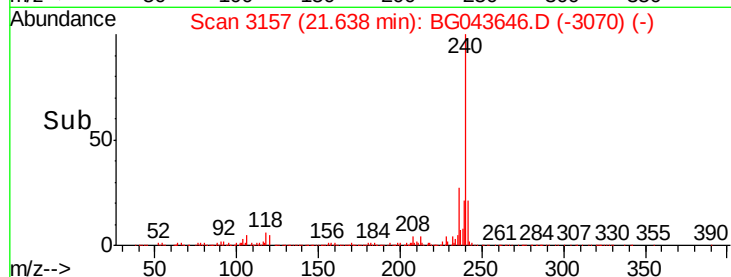
Abundance

Ion 240.00 (239.70 to 240.70): E

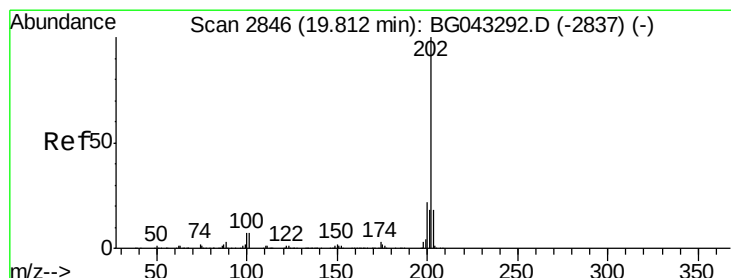
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.64



Time-->



#78

Pyrene

Concen: 4.182 ng

RT: 19.79 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

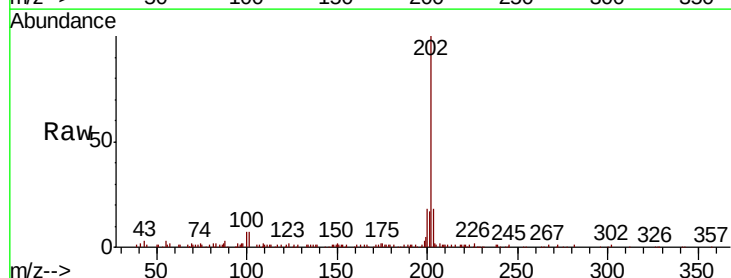
Tgt Ion:202 Resp: 66490

Ion Ratio Lower Upper

202 100

200 18.2 17.0 25.4

203 18.4 14.7 22.1



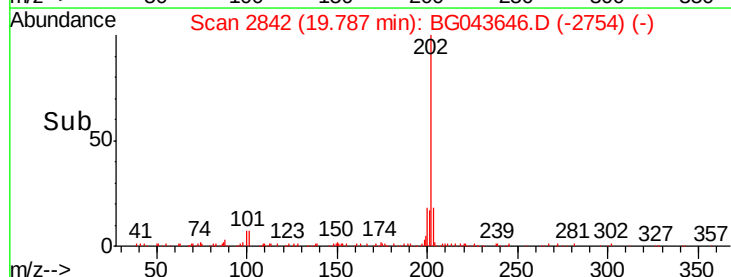
Abundance

Ion 202.00 (201.70 to 202.70): E

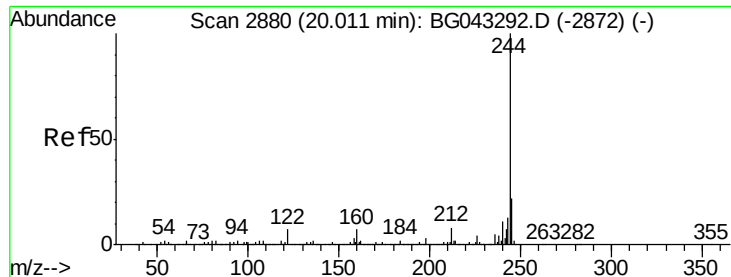
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

19.79



Time-->



#79

Terphenyl-d14

Concen: 22.431 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

Instrument :

BNA_G

ClientSampleId :

OK-03-111219

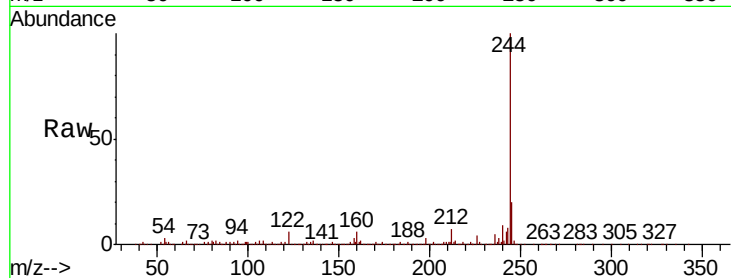
Tot Ion:244 Resp: 307073

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

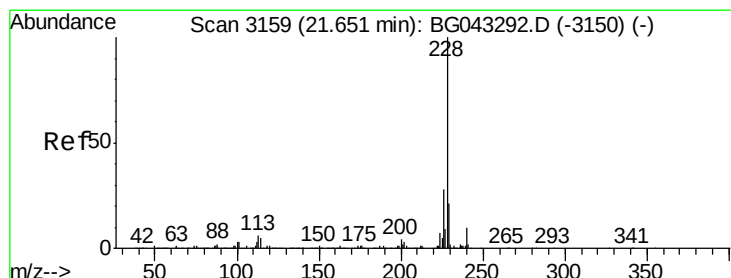
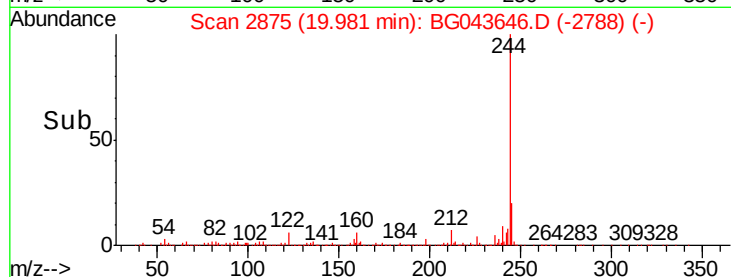
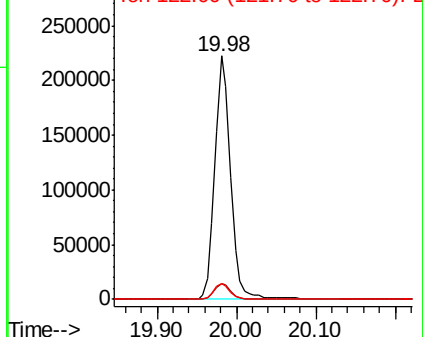
122 6.3 5.4 8.2



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: 2.573 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

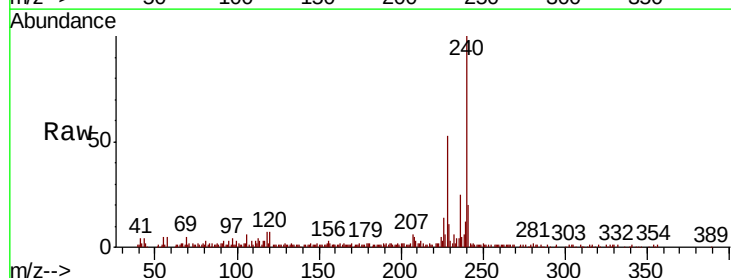
Tgt Ion:228 Resp: 41395

Ion Ratio Lower Upper

228 100

226 25.7 22.2 33.2

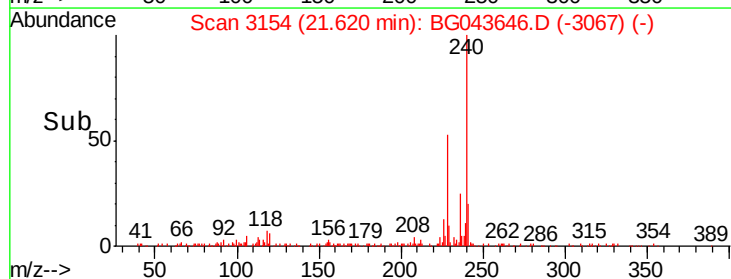
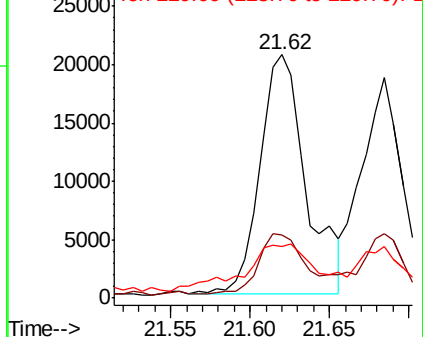
229 21.0 17.0 25.4

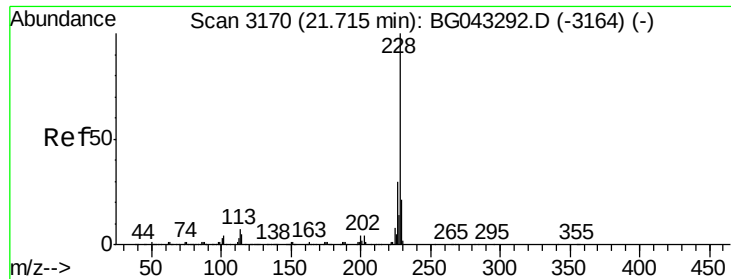


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.099 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

Instrument :

BNA_G

ClientSampleId :

OK-03-111219

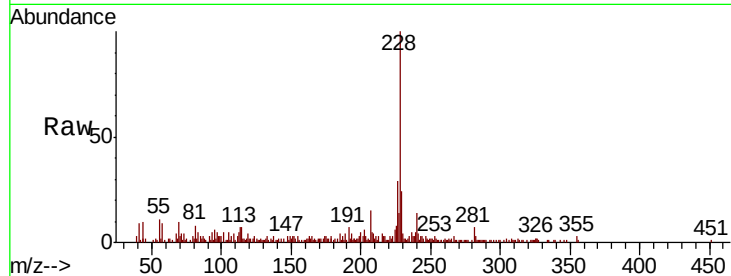
Tot Ion:228 Resp: 33556

Ion Ratio Lower Upper

228 100

226 29.5 25.1 37.7

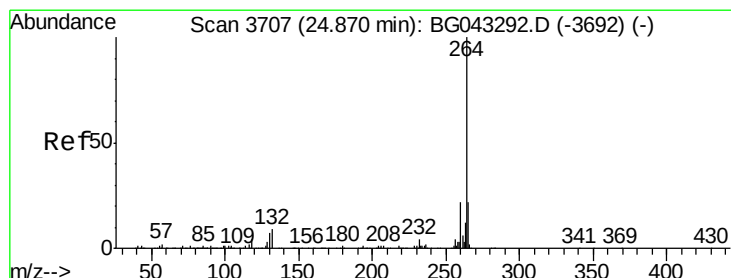
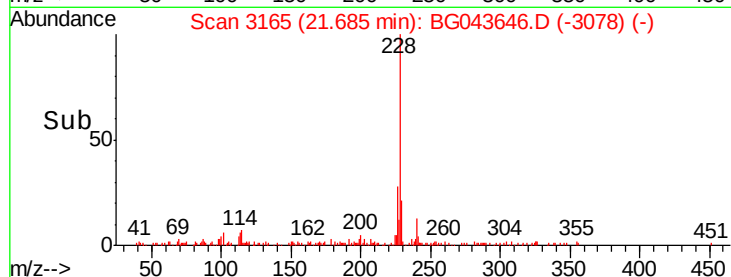
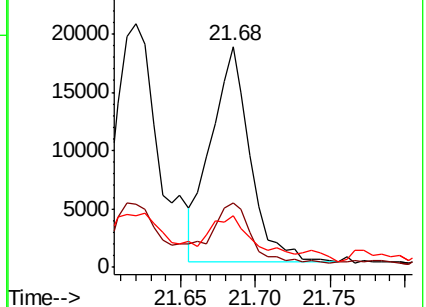
229 23.5 17.0 25.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.82 min Scan# 3699

Delta R.T. -0.03 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

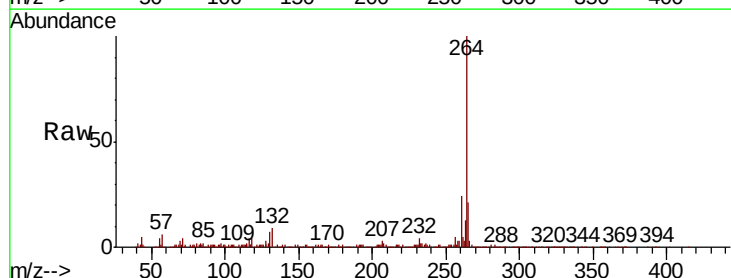
Tgt Ion:264 Resp: 303573

Ion Ratio Lower Upper

264 100

260 24.5 17.5 26.3

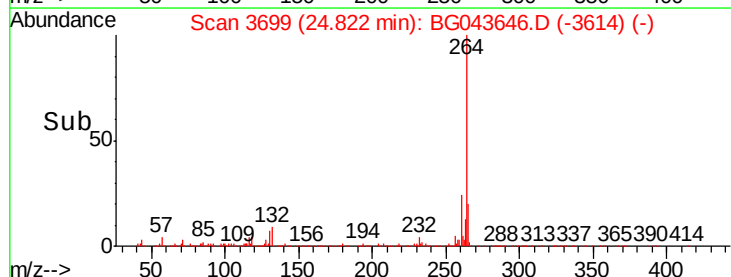
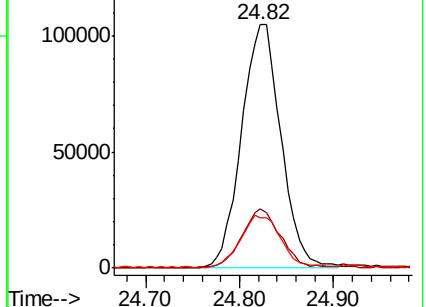
265 20.7 17.4 26.0

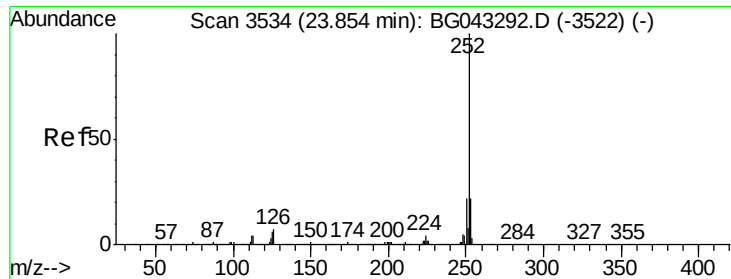


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.494 ng

RT: 23.82 min Scan# 3528

Delta R.T. -0.02 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

Instrument :

BNA_G

ClientSampleId :

OK-03-111219

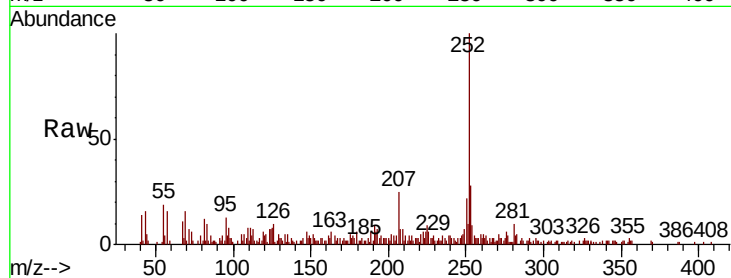
Tot Ion:252 Resp: 42881

Ion Ratio Lower Upper

252 100

253 27.7 17.7 26.5#

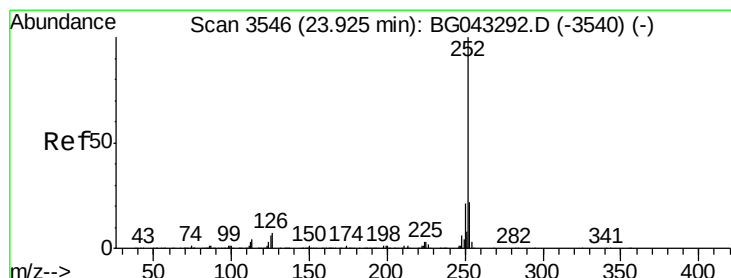
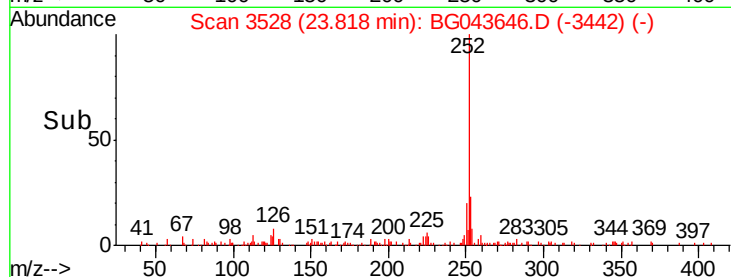
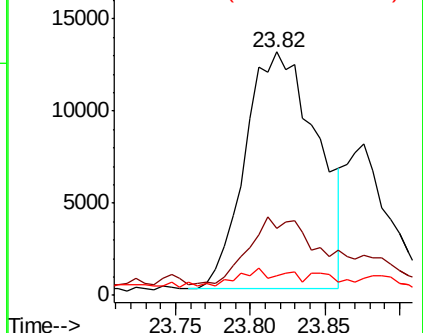
125 8.2 4.5 6.7#



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



#89

Benzo(k)fluoranthene

Concen: 2.477 ng

RT: 23.82 min Scan# 3528

Delta R.T. -0.09 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

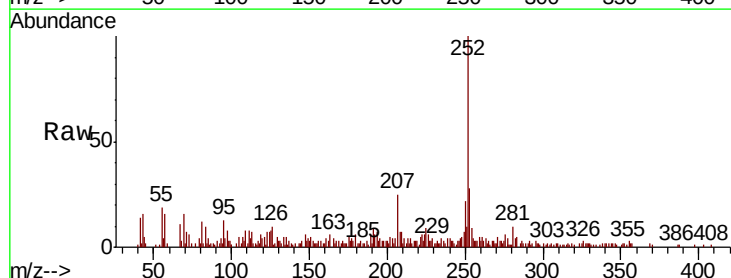
Tgt Ion:252 Resp: 42881

Ion Ratio Lower Upper

252 100

253 27.7 17.3 25.9#

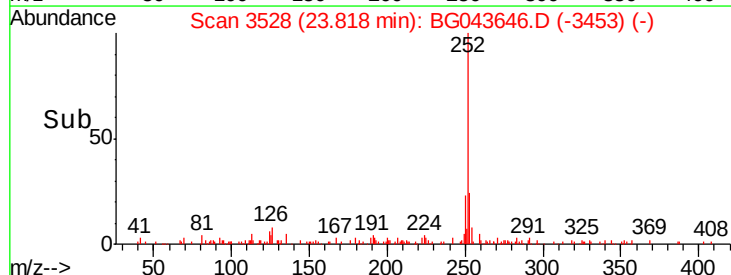
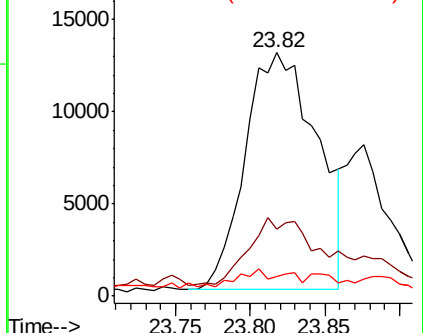
125 8.2 4.6 6.8#

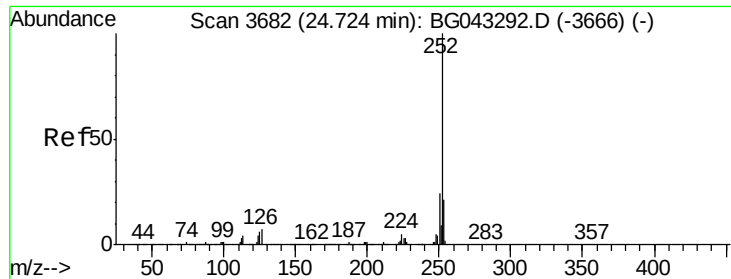


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.098 ng

RT: 24.68 min Scan# 3674

Delta R.T. -0.02 min

Lab File: BG043646.D

Acq: 14 Nov 2019 23:02

Instrument :

BNA_G

ClientSampleId :

OK-03-111219

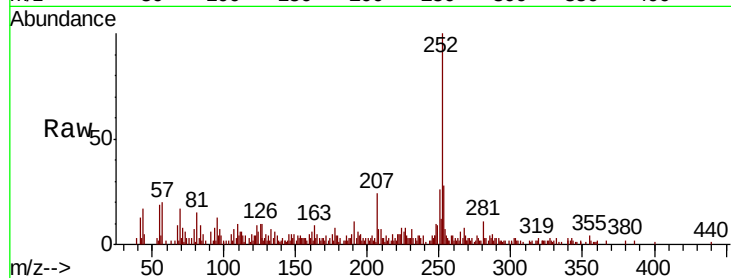
Tot Ion:252 Resp: 34448

Ion Ratio Lower Upper

252 100

253 28.5 17.8 26.8#

125 10.4 5.4 8.2#



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

