

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041919.D
 Acq On : 3 Aug 2019 21:44
 Operator : HP/JU
 Sample : K3922-03MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A52F0MSD

Quant Time: Aug 04 02:55:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 04 02:31:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	82017	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.86	136	343864	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	241122	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.45	188	514407	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	501252	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	562335	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	2331	1.24	ng/uL	0.00
5) Phenol-d5	7.18	99	102268	15.89	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.35	67	53780	14.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	86422	15.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	96121	17.79	ng/ul	-0.01
19) Nitrobenzene-d5	9.20	128	48296	18.66	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.93	143	59792	19.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	123280	20.32	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.99	131	87958	13.06	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	416132	22.25	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	472918	22.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	57848	18.42	ng/ul	0.00
57) Fluorene-d10	15.69	176	373230	22.43	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	33744	10.22	ng/ul	0.00
70) Anthracene-d10	17.55	188	588657	23.85	ng/ul	0.00
78) Pyrene-d10	19.83	212	690294	24.68	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.78	264	756239	25.74	ng/ul	0.00

Target Compounds

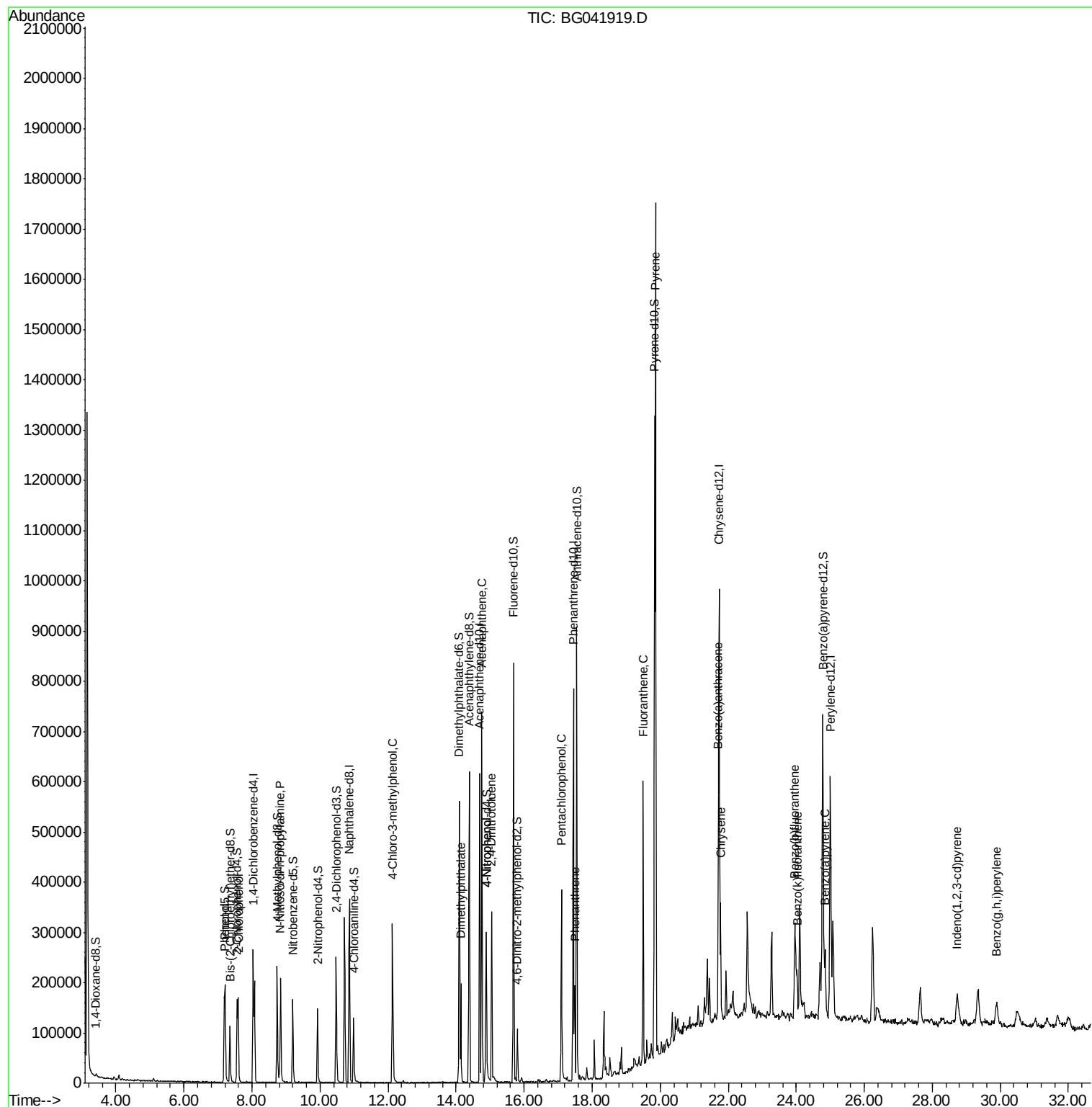
					Ovalue	
6) Phenol	7.21	94	106586	16.043	ng/ul	97
10) 2-Chlorophenol	7.59	128	82822	14.848	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.84	70	78251	17.823	ng/ul	96
33) 4-Chloro-3-methylphenol	12.13	107	124867	21.064	ng/ul	98
44) Dimethylphthalate	14.14	163	140764	7.581	ng/ul	99
49) Acenaphthene	14.76	153	326445	21.653	ng/ul	99
52) 4-Nitrophenol	14.89	109	44277	19.029	ng/ul	97
54) 2,4-Dinitrotoluene	15.05	165	124925	21.274	ng/ul	93
68) Pentachlorophenol	17.10	266	90461	24.283	ng/ul	95
69) Phenanthrene	17.49	178	124377	4.417	ng/ul	98
76) Fluoranthene	19.50	202	380030	11.679	ng/ul	97
79) Pyrene	19.86	202	1086336	32.219	ng/ul	98
82) Benzo(a)anthracene	21.71	228	139411	4.011	ng/ul	98
84) Chrysene	21.78	228	181625	5.599	ng/ul	97
87) Benzo(b)fluoranthene	23.96	252	258423	7.323	ng/ul	99
88) Benzo(k)fluoranthene	24.02	252	82575	2.434	ng/ul	99
90) Benzo(a)pyrene	24.85	252	151599	4.508	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.74	276	111994	2.855	ng/ul	99
93) Benzo(g,h,i)perylene	29.89	276	98745	3.015	ng/ul#	92

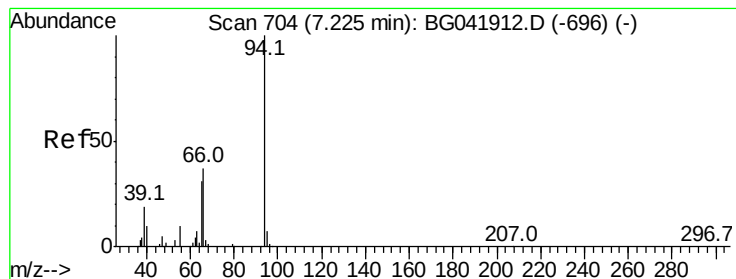
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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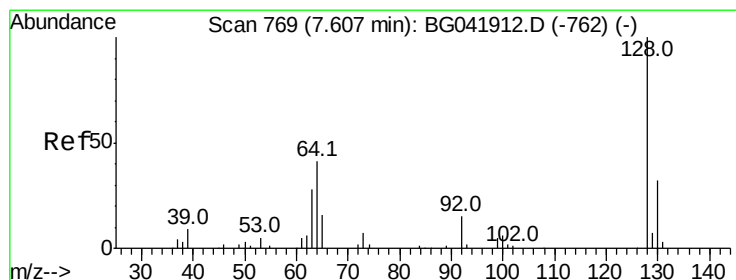
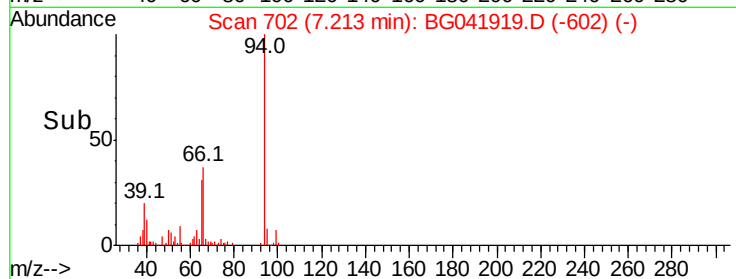
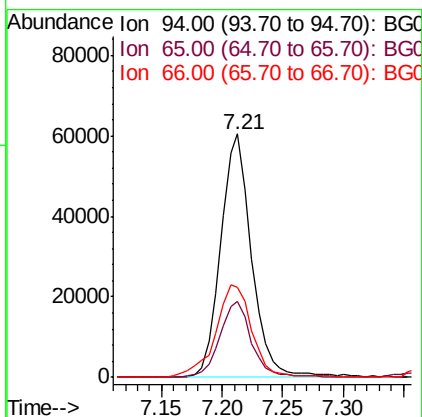
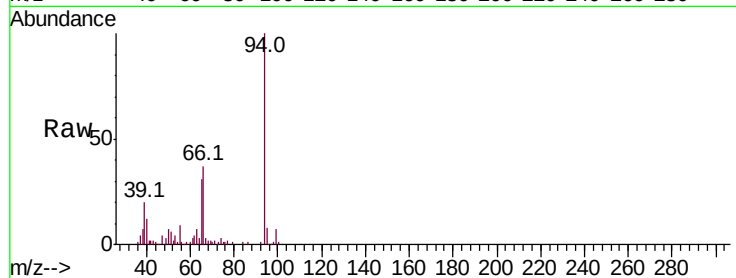
#6

Phenol

Concen: 16.043 ng/ul
 RT: 7.21 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BG041919.D
 Acq: 3 Aug 2019 21:44

Instrument :
 BNA_G
 ClientSampleId :
 A52F0MSD

Tot Ion: 94 Resp: 106586
 Ion Ratio Lower Upper
 94 100
 65 31.2 25.8 38.6
 66 37.2 31.8 47.8

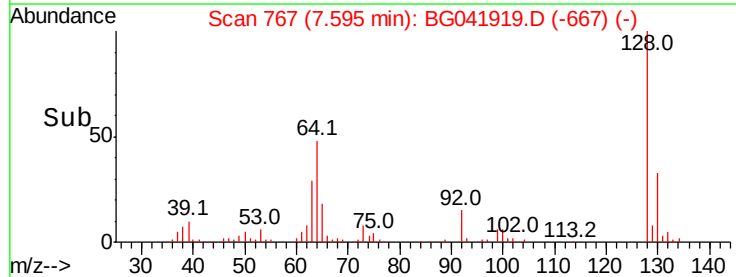
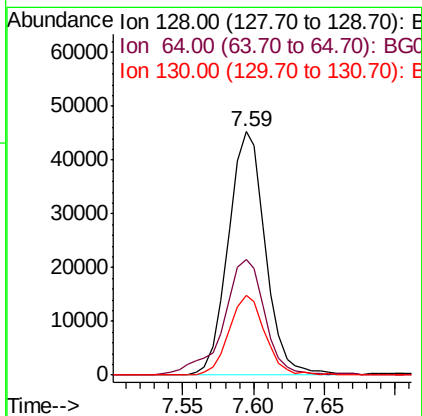
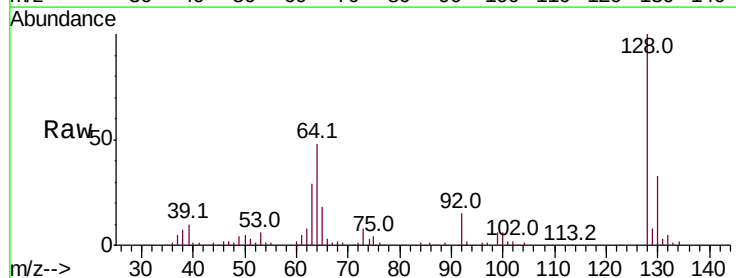


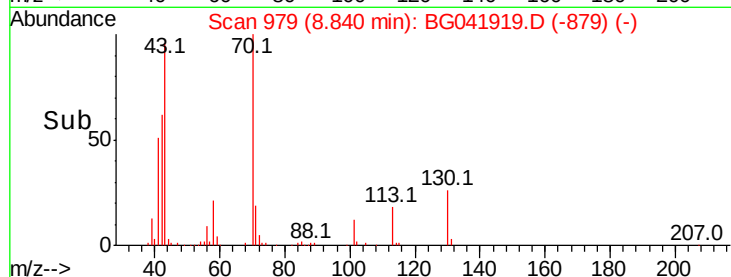
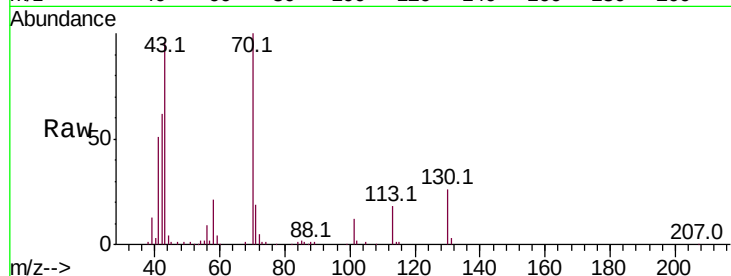
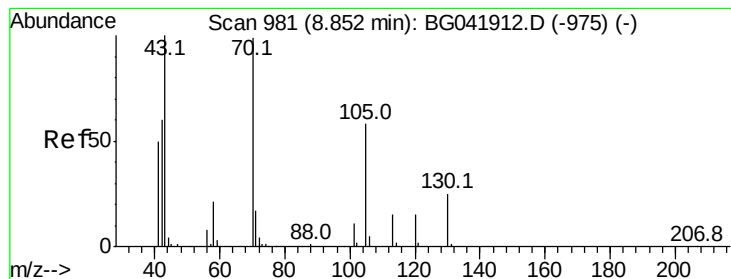
#10

2-Chlorophenol

Concen: 14.848 ng/ul
 RT: 7.59 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: BG041919.D
 Acq: 3 Aug 2019 21:44

Tgt Ion: 128 Resp: 82822
 Ion Ratio Lower Upper
 128 100
 64 47.7 35.5 53.3
 130 32.6 26.2 39.4





#15

N-Nitroso-di-n-propylamine

Concen: 17.823 ng/ul

RT: 8.84 min Scan# 979

Delta R.T. -0.01 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

Instrument :

BNA_G

ClientSampleId :

A52F0MSD

Tot Ion: 70 Resp: 78251

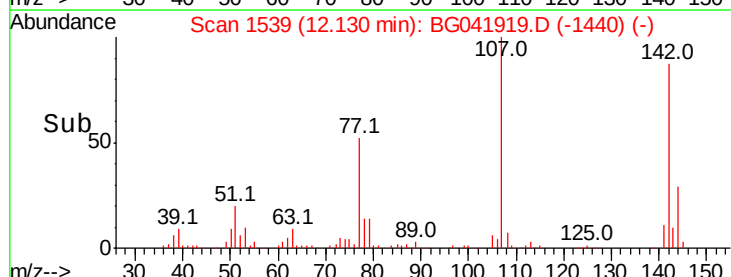
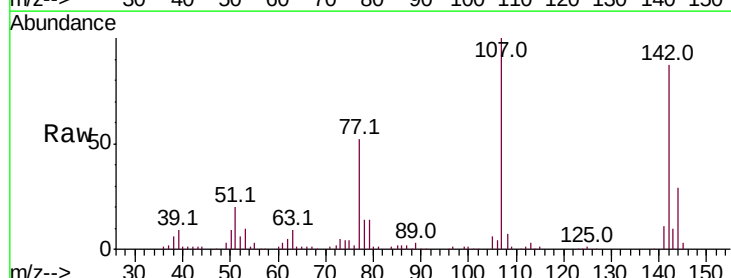
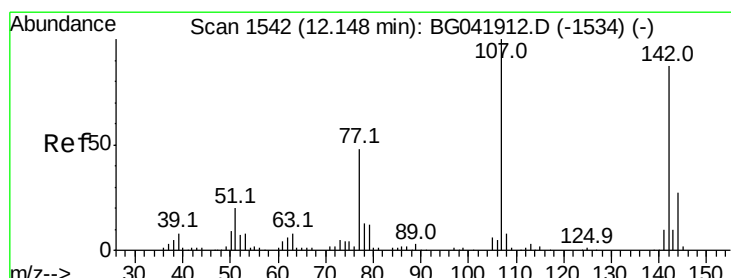
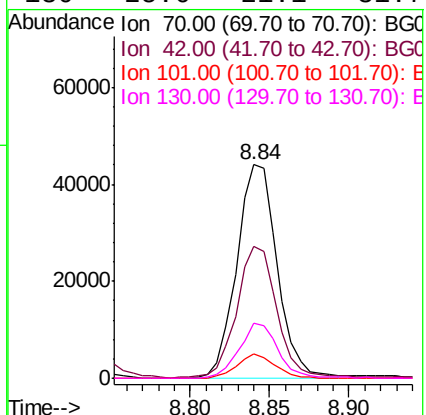
Ion Ratio Lower Upper

70 100

42 61.8 46.4 69.6

101 11.6 9.7 14.5

130 25.6 21.1 31.7



#33

4-Chloro-3-methylphenol

Concen: 21.064 ng/ul

RT: 12.13 min Scan# 1539

Delta R.T. -0.02 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

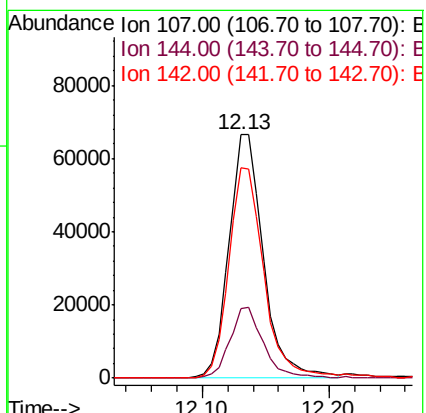
Tgt Ion: 107 Resp: 124867

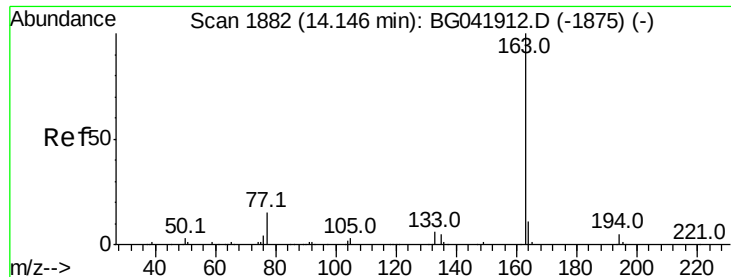
Ion Ratio Lower Upper

107 100

144 28.7 23.0 34.6

142 86.5 71.0 106.6

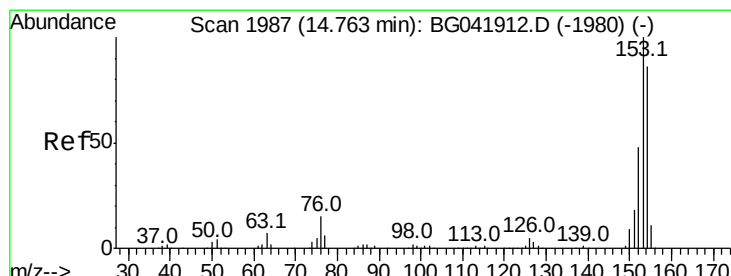
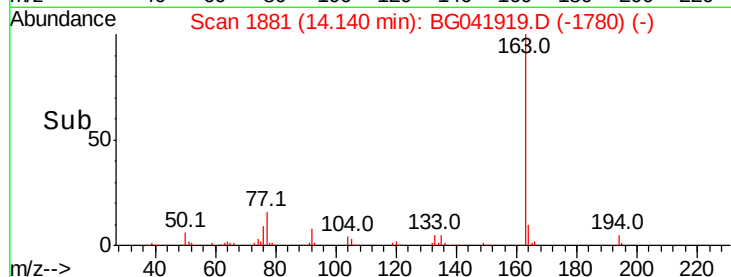
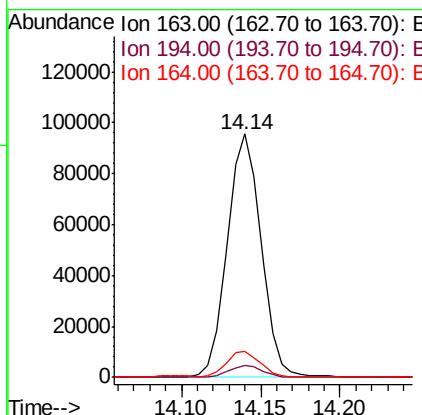
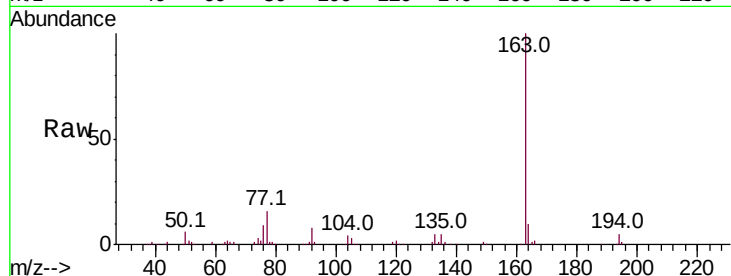




#44
Dimethylphthalate
Concen: 7.581 ng/ul
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG041919.D
Acq: 3 Aug 2019 21:44

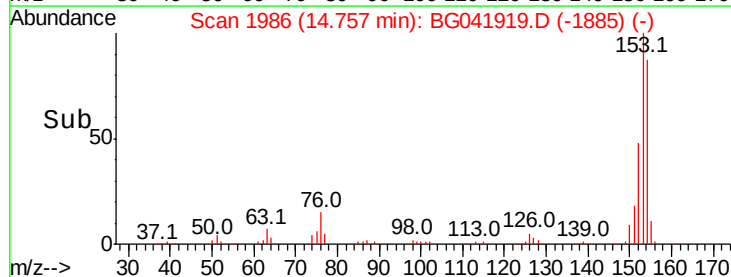
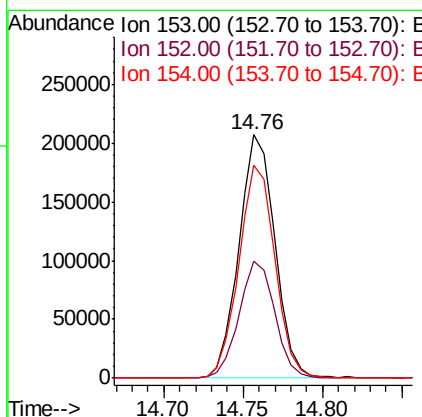
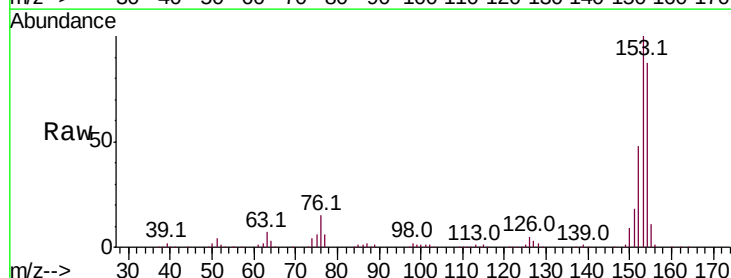
Instrument :
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A52F0MSD

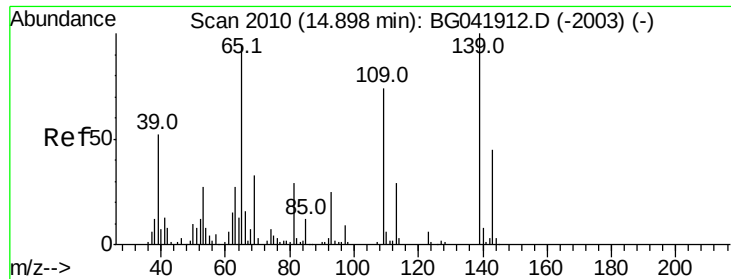
Tot Ion:163 Resp: 140764
Ion Ratio Lower Upper
163 100
194 4.9 4.2 6.2
164 10.4 7.8 11.8



#49
Acenaphthene
Concen: 21.653 ng/ul
RT: 14.76 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BG041919.D
Acq: 3 Aug 2019 21:44

Tgt Ion:153 Resp: 326445
Ion Ratio Lower Upper
153 100
152 47.9 37.8 56.8
154 87.2 69.4 104.2





#52

4-Nitrophenol

Concen: 19.029 ng/ul

RT: 14.89 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

Instrument :

BNA_G

ClientSampleId :

A52F0MSD

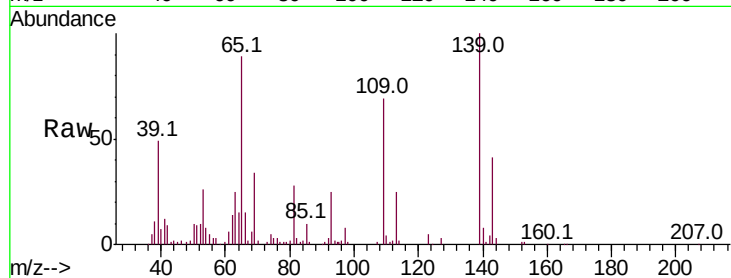
Tot Ion:109 Resp: 44277

Ion Ratio Lower Upper

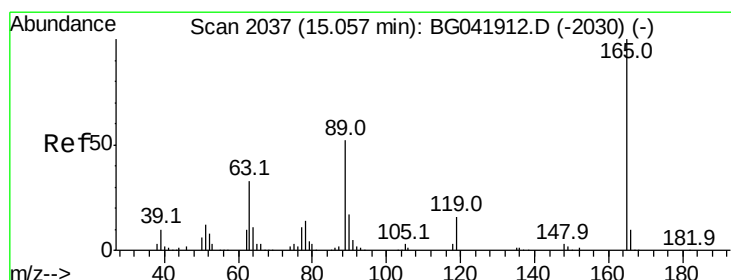
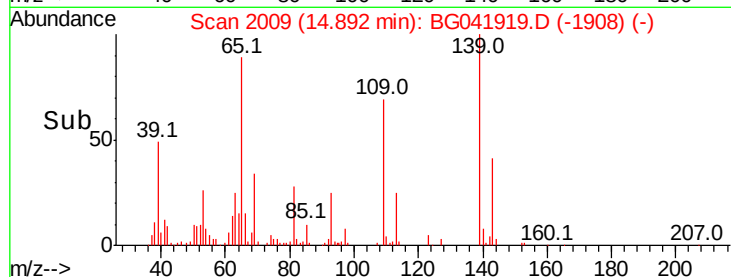
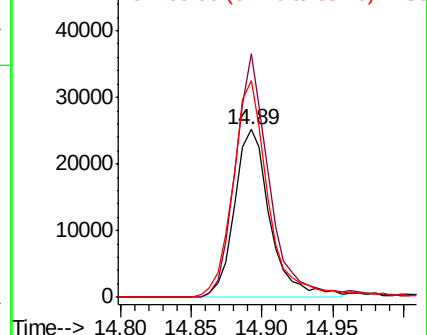
109 100

139 145.0 111.8 167.6

65 128.8 103.6 155.4



Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BGC



#54

2,4-Dinitrotoluene

Concen: 21.274 ng/ul

RT: 15.05 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

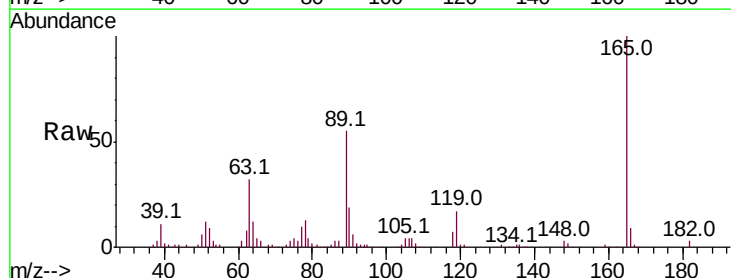
Tgt Ion:165 Resp: 124925

Ion Ratio Lower Upper

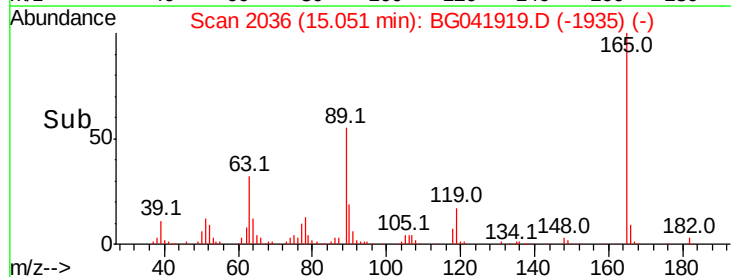
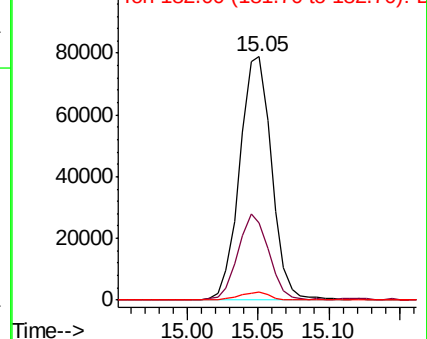
165 100

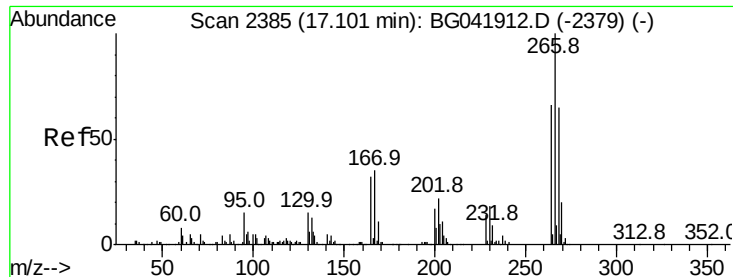
63 32.0 29.4 44.2

182 3.4 2.6 4.0



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 182.00 (181.70 to 182.70): E





#68

Pentachlorophenol

Concen: 24.283 ng/ul

RT: 17.10 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

Instrument :

BNA_G

ClientSampleId :

A52F0MSD

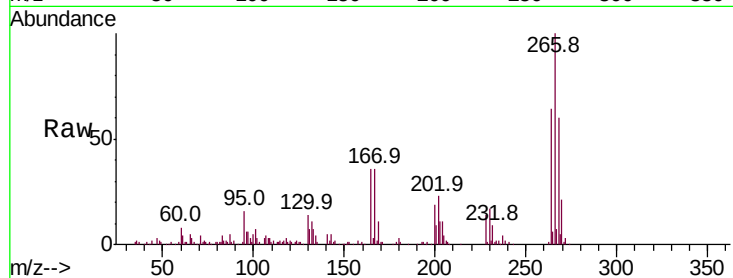
Tot Ion:266 Resp: 90461

Ion Ratio Lower Upper

266 100

264 63.8 52.3 78.5

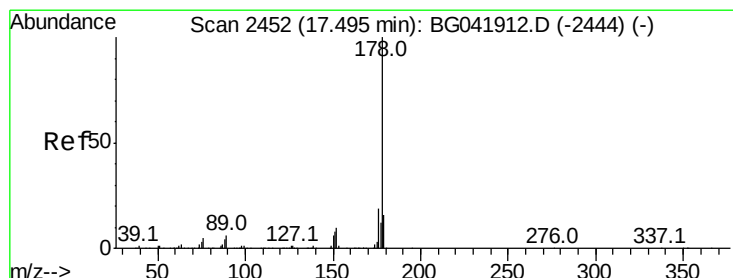
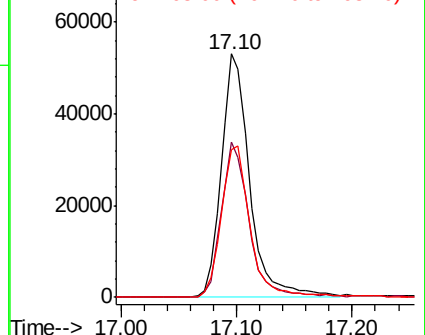
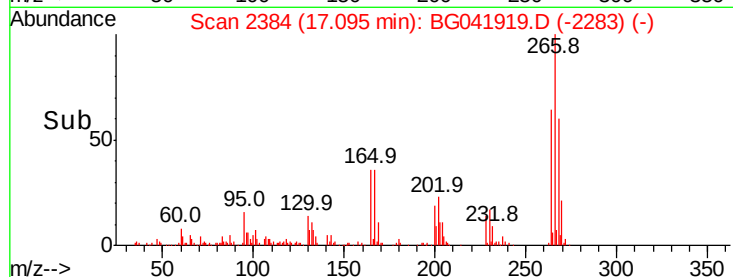
268 60.5 53.2 79.8



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#69

Phenanthrene

Concen: 4.417 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

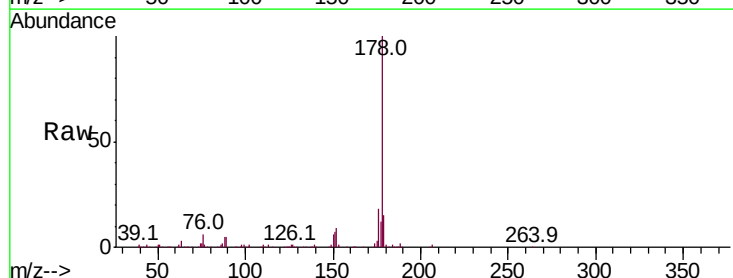
Tgt Ion:178 Resp: 124377

Ion Ratio Lower Upper

178 100

179 15.4 12.8 19.2

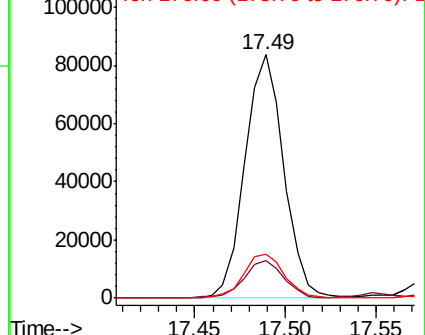
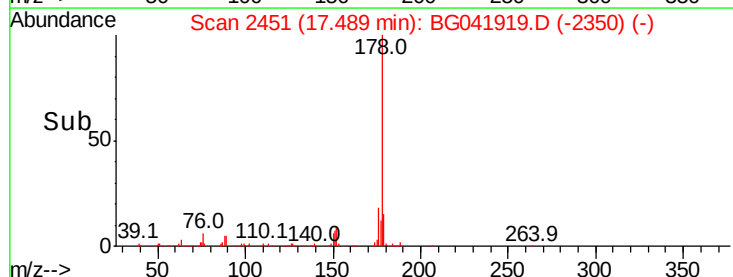
176 18.0 15.4 23.2

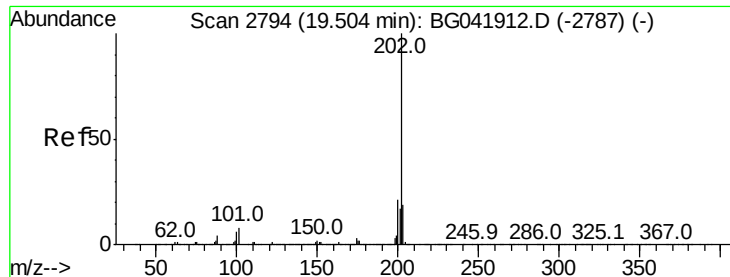


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

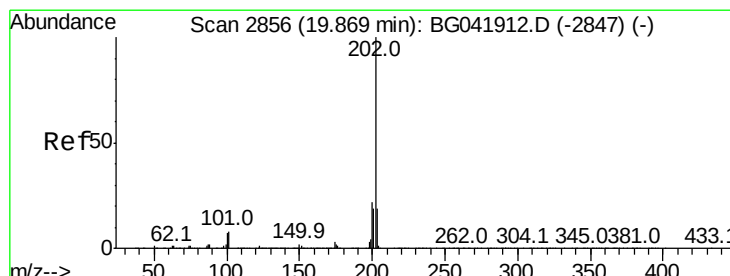
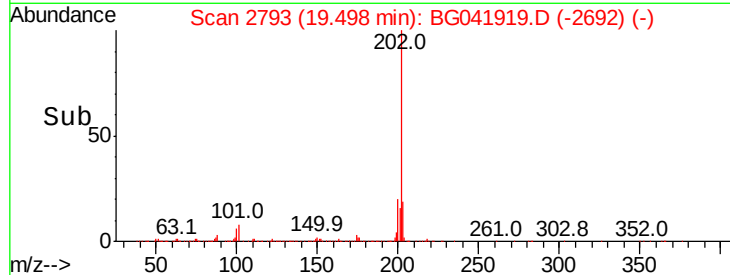
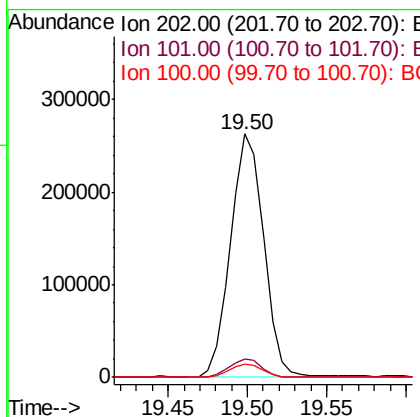
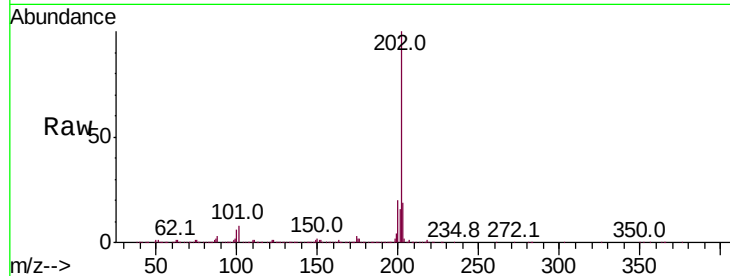




#76
Fluoranthene
Concen: 11.679 ng/ul
RT: 19.50 min Scan# 2793
Delta R.T. -0.01 min
Lab File: BG041919.D
Acq: 3 Aug 2019 21:44

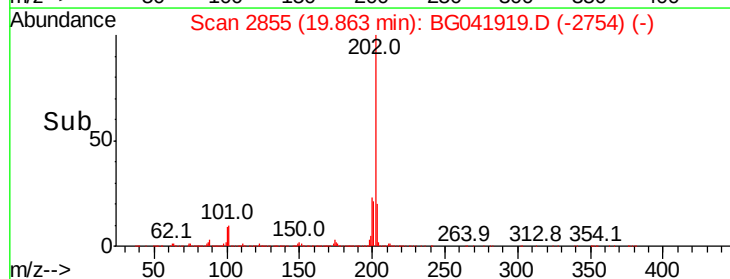
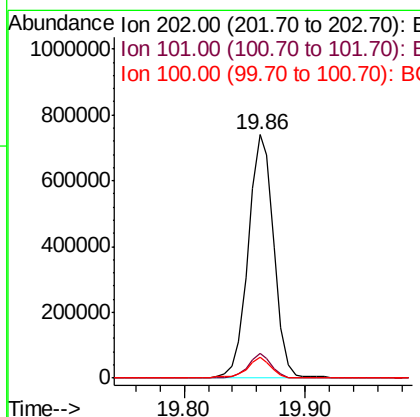
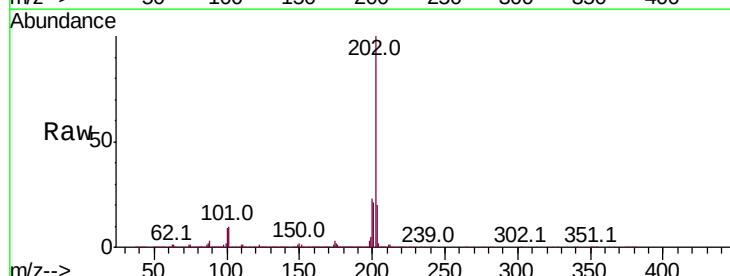
Instrument :
BNA_G
ClientSampleId :
A52F0MSD

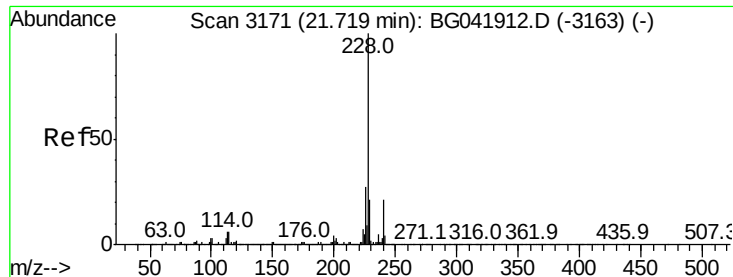
Tot Ion:	202	Resp:	380030
Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.7	10.1
100	5.6	5.3	7.9



#79
Pyrene
Concen: 32.219 ng/ul
RT: 19.86 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BG041919.D
Acq: 3 Aug 2019 21:44

Tgt Ion:	202	Resp:	1086336
Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.6	11.4
100	8.6	6.5	9.7





#82

Benzo(a)anthracene

Concen: 4.011 ng/ul

RT: 21.71 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

Instrument :

BNA_G

ClientSampleId :

A52F0MSD

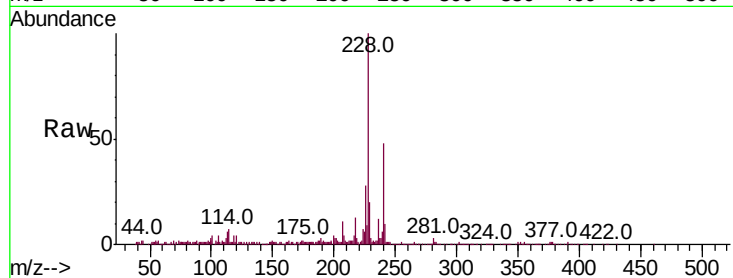
Tot Ion:228 Resp: 139411

Ion Ratio Lower Upper

228 100

229 20.4 17.0 25.6

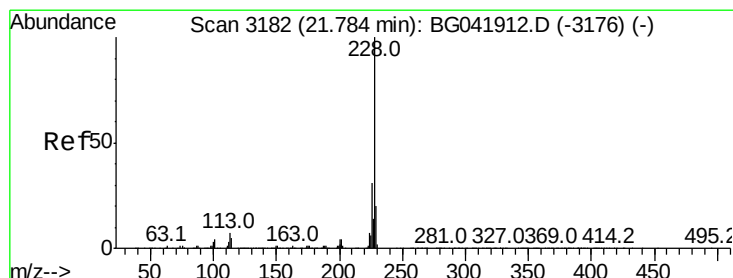
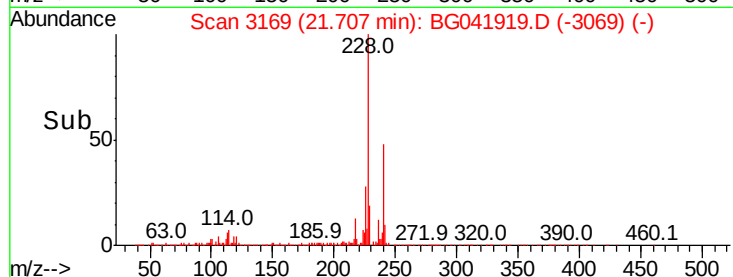
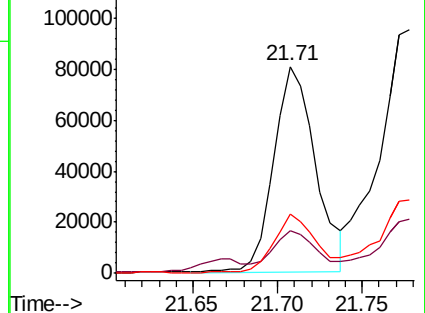
226 28.3 23.3 34.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 5.599 ng/ul

RT: 21.78 min Scan# 3181

Delta R.T. -0.01 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

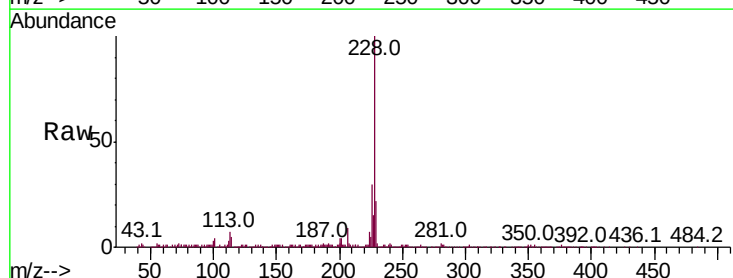
Tgt Ion:228 Resp: 181625

Ion Ratio Lower Upper

228 100

226 30.2 25.7 38.5

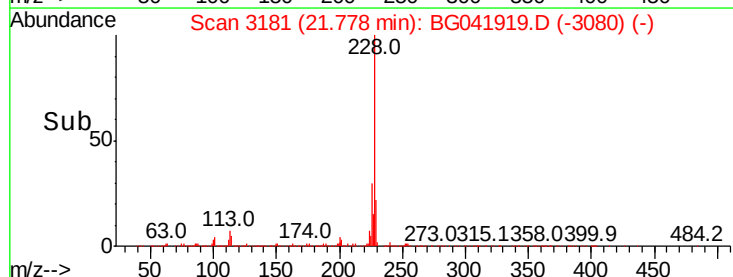
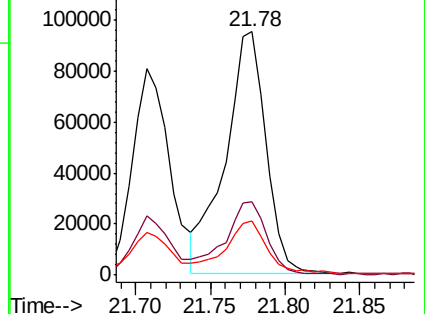
229 22.3 16.6 24.8

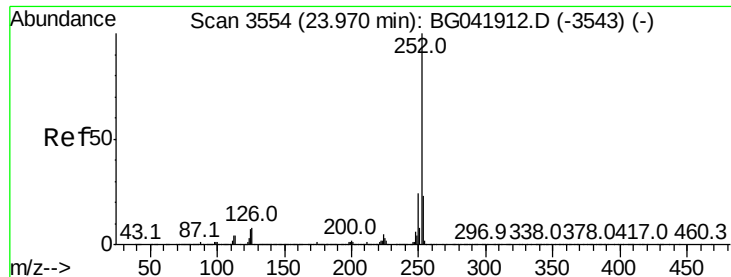


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 7.323 ng/ul

RT: 23.96 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

Instrument :

BNA_G

ClientSampleId :

A52F0MSD

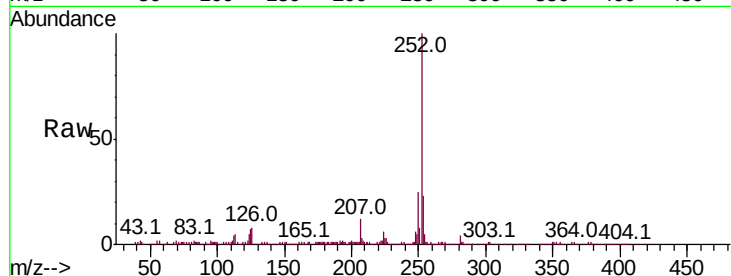
Tot Ion:252 Resp: 258423

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

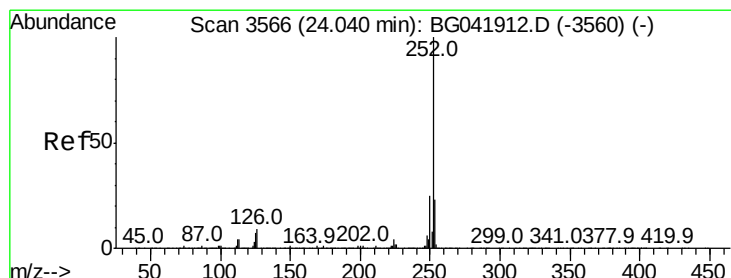
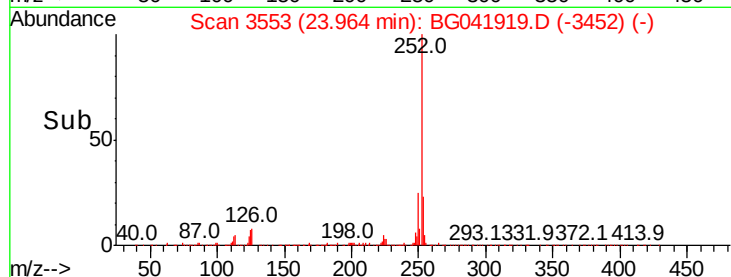
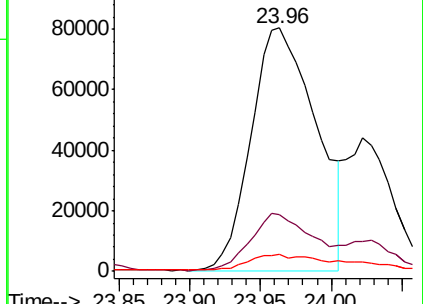
125 7.1 5.8 8.8



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



#88

Benzo(k)fluoranthene

Concen: 2.434 ng/ul

RT: 24.02 min Scan# 3563

Delta R.T. -0.02 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

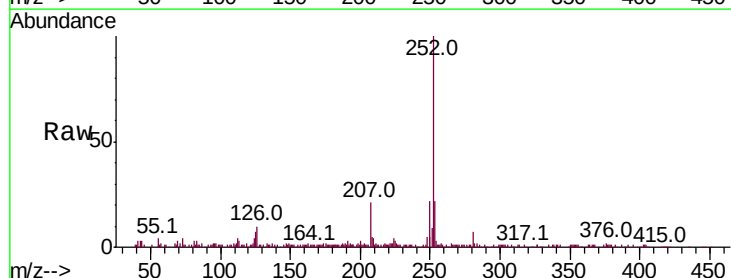
Tgt Ion:252 Resp: 82575

Ion Ratio Lower Upper

252 100

253 22.1 18.3 27.5

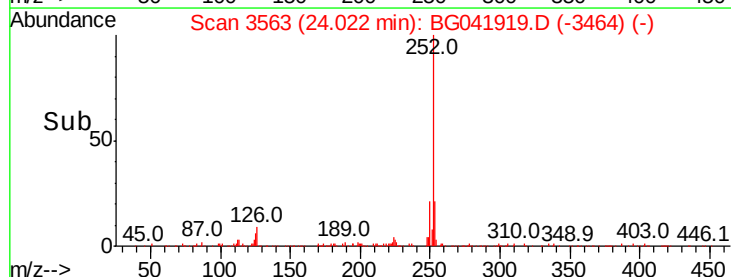
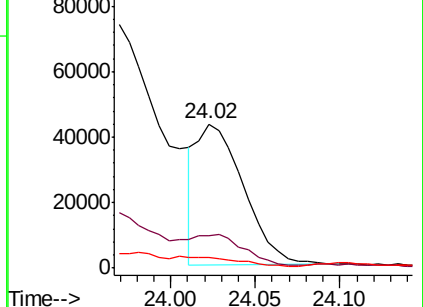
125 7.2 5.5 8.3

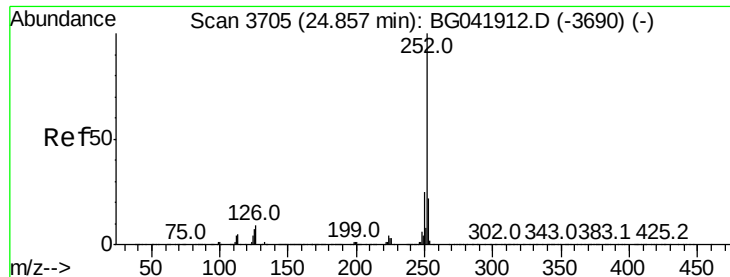


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 4.508 ng/ul

RT: 24.85 min Scan# 3704

Delta R.T. -0.01 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

Instrument :

BNA_G

ClientSampleId :

A52F0MSD

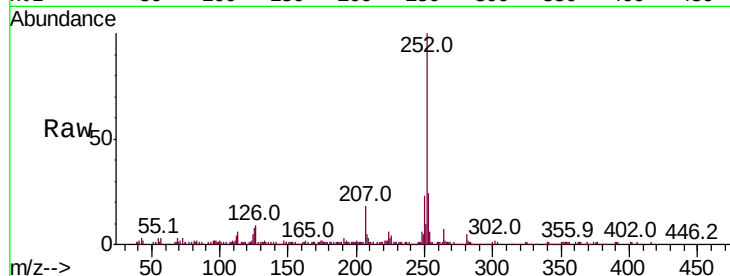
Tot Ion:252 Resp: 151599

Ion Ratio Lower Upper

252 100

253 23.6 18.3 27.5

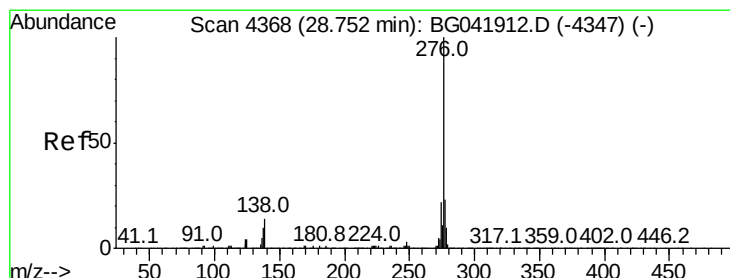
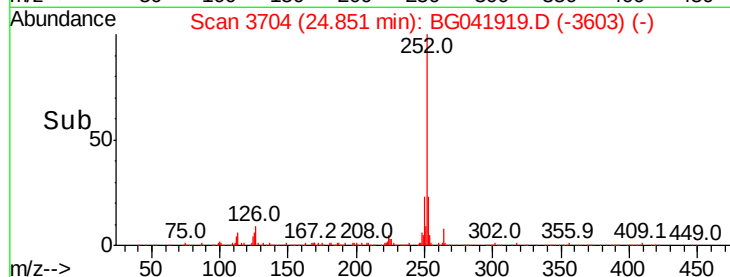
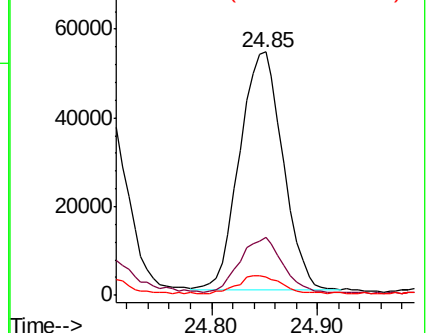
125 7.6 6.5 9.7



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 2.855 ng/ul

RT: 28.74 min Scan# 4366

Delta R.T. -0.01 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

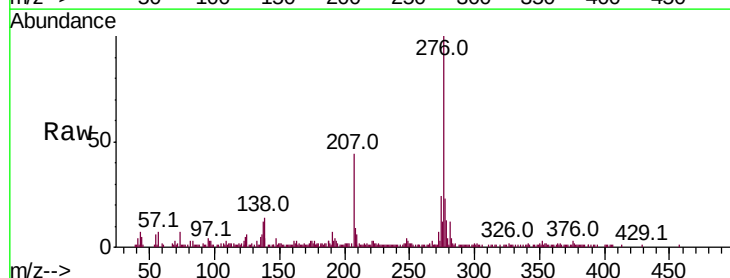
Tgt Ion:276 Resp: 111994

Ion Ratio Lower Upper

276 100

138 14.5 12.0 18.0

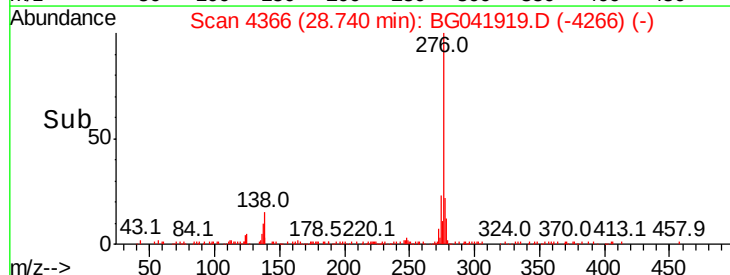
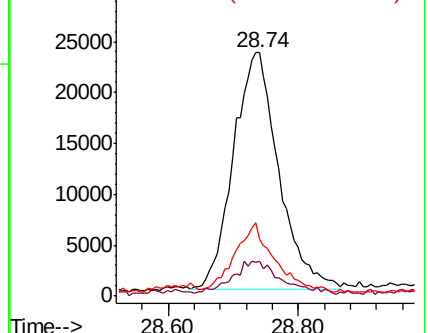
277 23.4 19.2 28.8

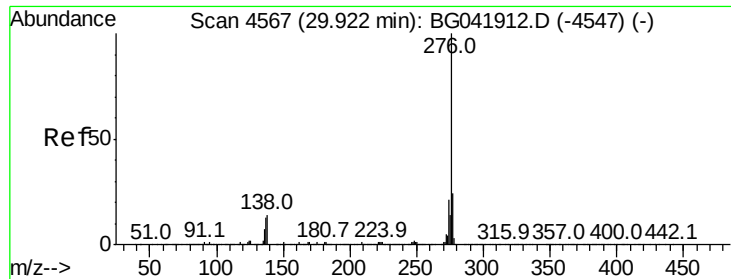


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Benzo(a,h,i)perylene

Concen: 3.015 ng/ul

RT: 29.89 min Scan# 4562

Delta R.T. -0.03 min

Lab File: BG041919.D

Acq: 3 Aug 2019 21:44

Instrument :

BNA_G

ClientSampleId :

A52F0MSD

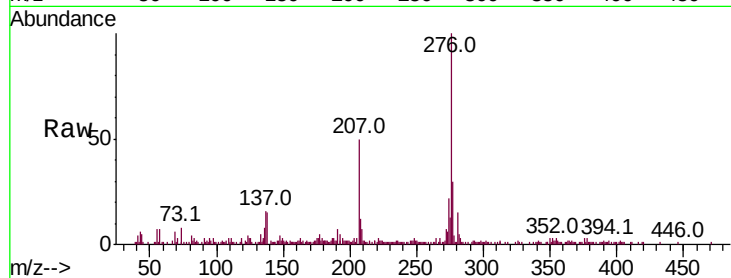
Tot Ion:276 Resp: 98745

Ion Ratio Lower Upper

276 100

138 14.8 12.6 18.8

277 29.5 19.2 28.8#



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

