

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041911.D
 Acq On : 3 Aug 2019 15:54
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

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 8/6/2019 12:18:07 PM

Quant Time: Aug 04 02:20:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 04 00:02:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	84778	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	356596	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	248026	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	494360	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	504455	20.00	ng/ul	0.01
85) Perylene-d12	25.03	264	563719	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	4237	2.19	ng/uL	0.00
5) Phenol-d5	7.18	99	95834	14.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	56900	15.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	91157	16.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	73067	13.08	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	45689	17.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	54674	17.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	100816	16.02	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	26047	3.73	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	324260	16.86	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	385139	17.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	22796	7.06	ng/ul	0.00
57) Fluorene-d10	15.69	176	291098	17.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	10558	3.33	ng/ul	0.00
70) Anthracene-d10	17.55	188	414341	17.47	ng/ul	0.00
78) Pyrene-d10	19.84	212	481247	17.10	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.80	264	512391	17.40	ng/ul	0.04

Target Compounds

				Ovalue	
4) Benzaldehyde	7.16	77	5558	1.768	ng/ul 85
6) Phenol	7.21	94	7551	1.100	ng/ul# 84
14) Acetophenone	8.86	105	22475	2.616	ng/ul 93
30) 4-Chloroaniline	11.02	127	67223	9.581	ng/ul 97
44) Dimethylphthalate	14.14	163	106810	5.592	ng/ul# 96
47) Acenaphthylene	14.42	152	22288	1.005	ng/ul 96
66) Hexachlorobenzene	16.75	284	21328	3.245	ng/ul# 85
69) Phenanthrene	17.49	178	185704	6.862	ng/ul 99
71) Anthracene	17.58	178	31924	1.163	ng/ul 98
76) Fluoranthene	19.50	202	439544m	14.056	ng/ul
79) Pyrene	19.87	202	383925	11.314	ng/ul 96
82) Benzo(a)anthracene	21.72	228	225322	6.442	ng/ul 96
83) Bis(2-ethylhexyl)phthalate	21.63	149	258473	14.184	ng/ul 98
84) Chrysene	21.78	228	260151	7.969	ng/ul# 96
87) Benzo(b)fluoranthene	23.99	252	409801	11.584	ng/ul# 94
88) Benzo(k)fluoranthene	24.05	252	130768m	3.845	ng/ul
90) Benzo(a)pyrene	24.87	252	260026	7.713	ng/ul# 93
91) Indeno(1,2,3-cd)pyrene	28.79	276	163114	4.148	ng/ul# 93
92) Dibenzo(a,h)anthracene	28.83	278	40322m	1.257	ng/ul
93) Benzo(g,h,i)perylene	29.96	276	175152	5.335	ng/ul 98

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

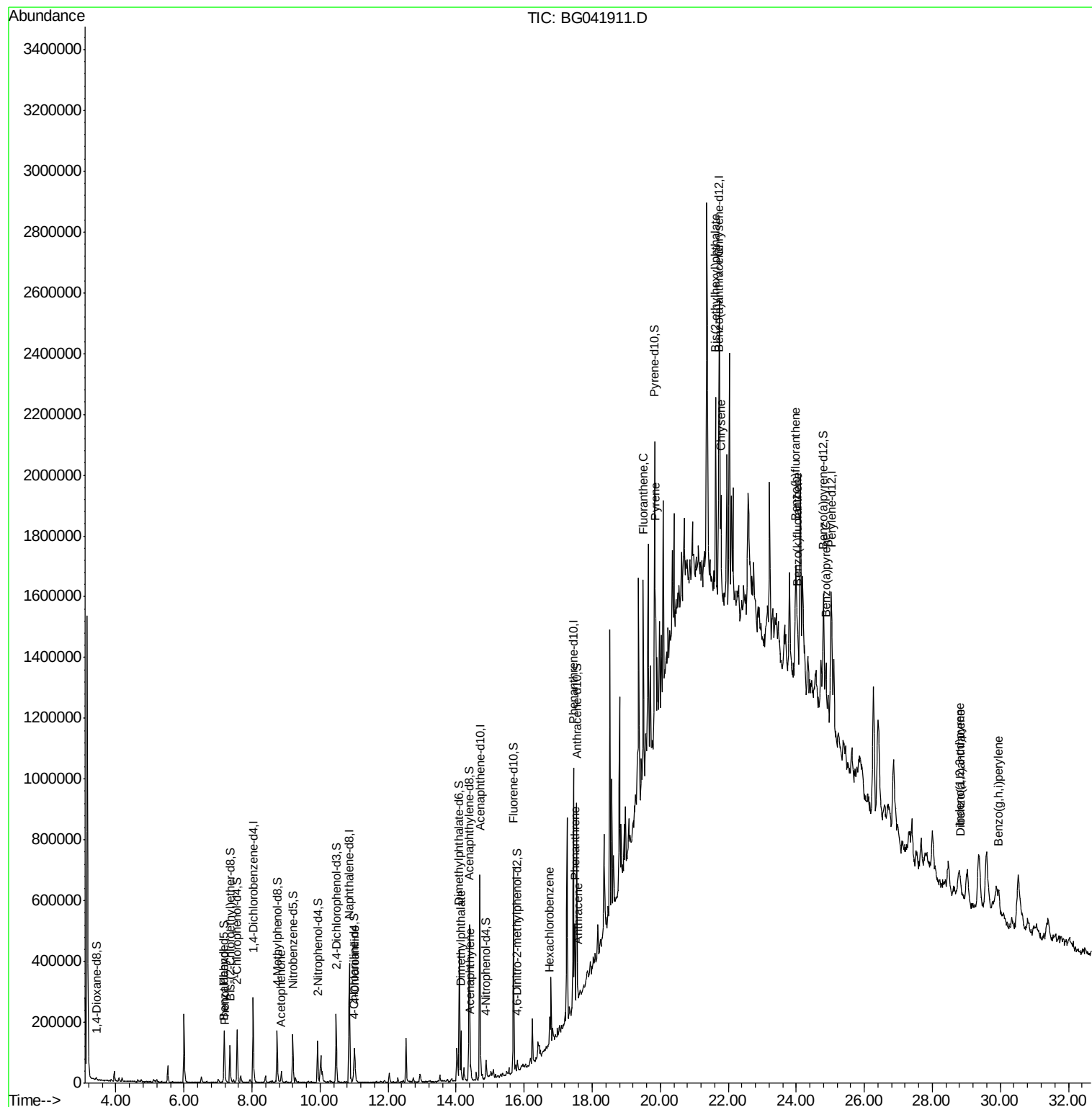
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041911.D
Acq On : 3 Aug 2019 15:54
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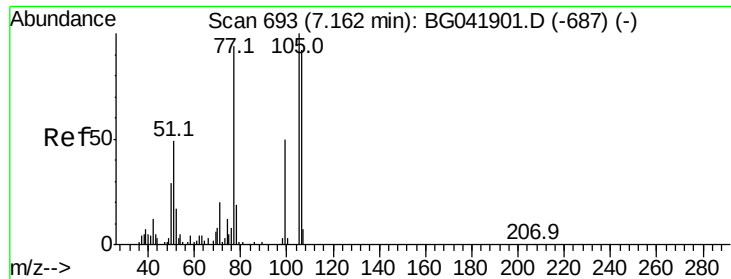
Instrument :
BNA_G
ClientSampled :
BENS5

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Quant Time: Aug 04 02:20:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.768 ng/ul

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG041911.D

Acq: 3 Aug 2019 15:54

Instrument :

BNA_G

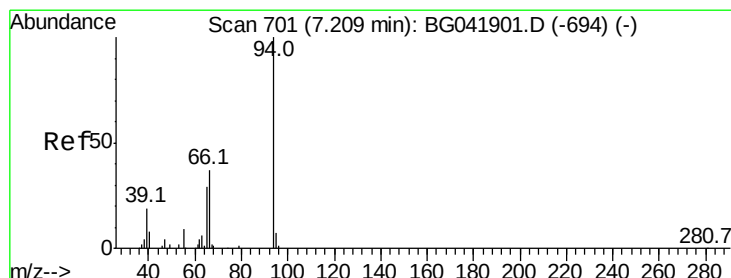
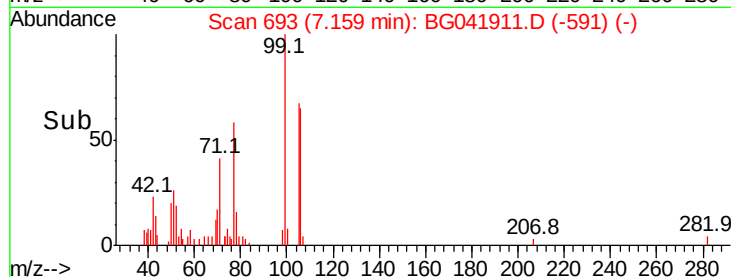
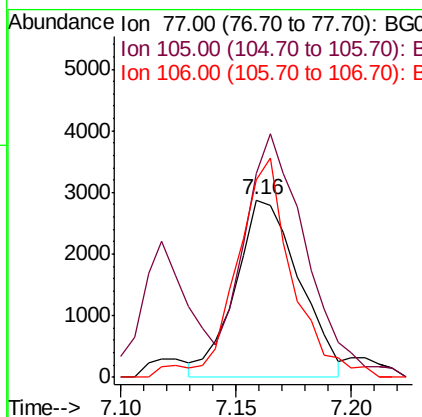
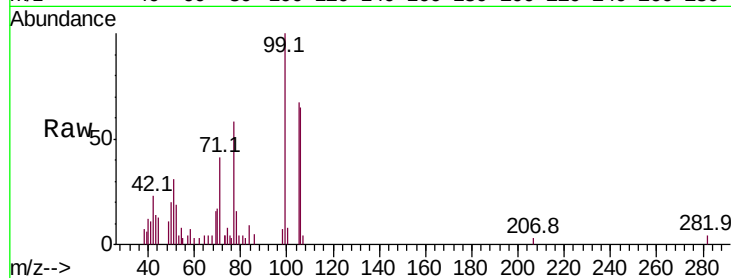
ClientSampled :

BENS5

Tot Ion	Ratio	Lower	Upper
77	100		
105	114.6	80.7	121.1
106	111.2	76.3	114.5

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#6

Phenol

Concen: 1.100 ng/ul

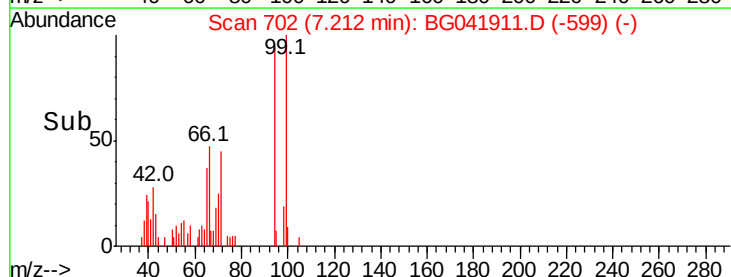
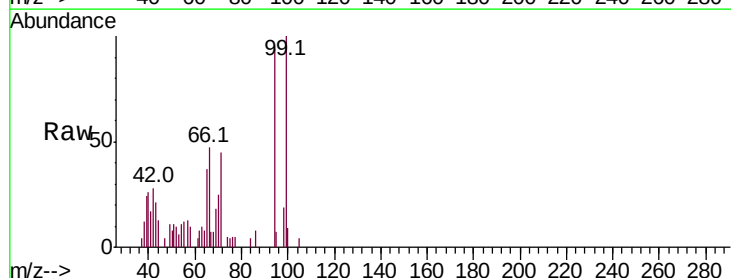
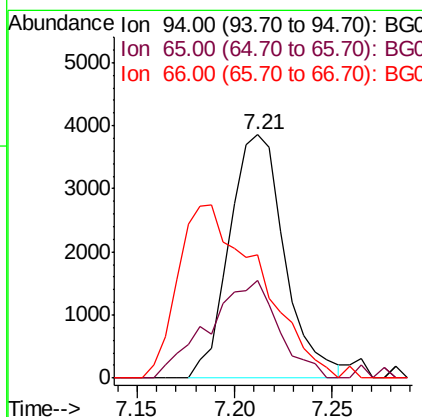
RT: 7.21 min Scan# 702

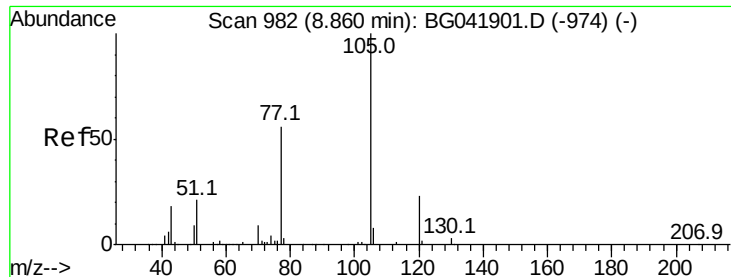
Delta R.T. 0.00 min

Lab File: BG041911.D

Acq: 3 Aug 2019 15:54

Tgt Ion	Ratio	Lower	Upper
94	100		
65	40.0	25.8	38.6#
66	50.5	31.8	47.8#





#14

Acetophenone

Concen: 2.616 ng/ul

RT: 8.86 min Scan# 983

Delta R.T. 0.00 min

Lab File: BG041911.D

Acq: 3 Aug 2019 15:54

Instrument :

BNA_G

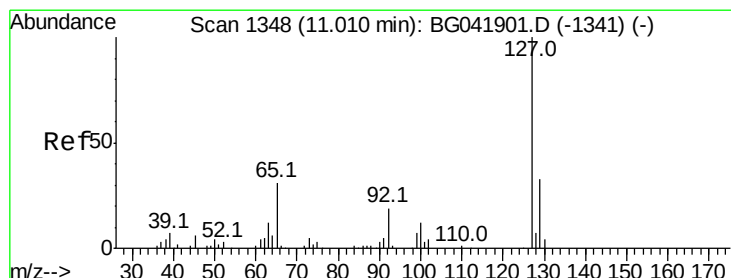
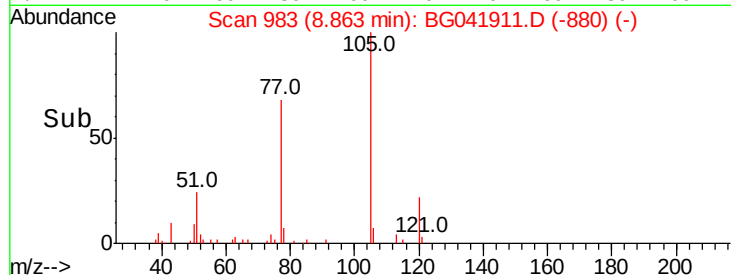
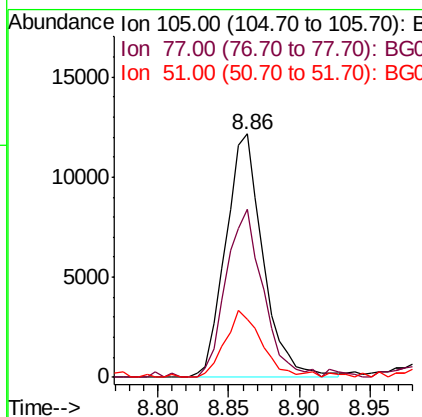
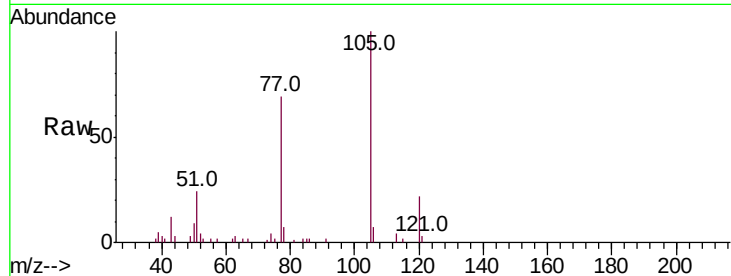
ClientSampleId :

BENS5

Tot Ion:	105	Resp:	22475
Ion Ratio	Lower	Upper	
105	100		
77	69.2	60.0	90.0
51	23.8	22.1	33.1

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#30

4-Chloroaniline

Concen: 9.581 ng/ul

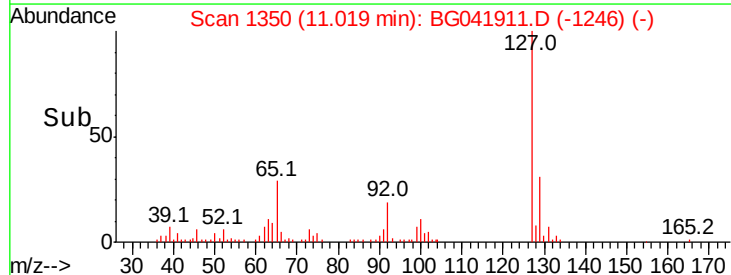
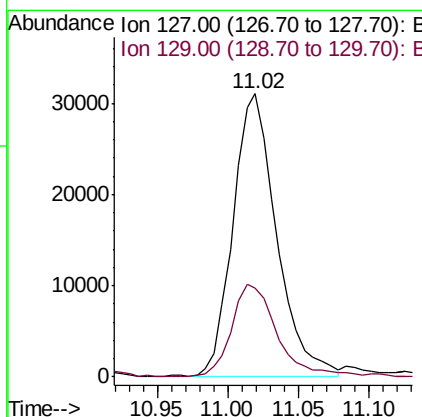
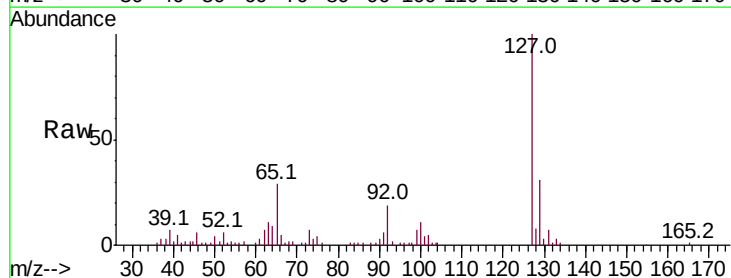
RT: 11.02 min Scan# 1350

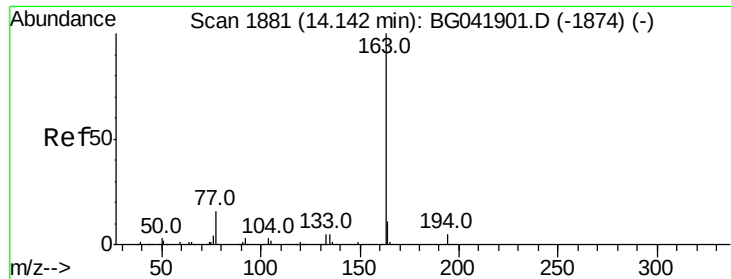
Delta R.T. 0.01 min

Lab File: BG041911.D

Acq: 3 Aug 2019 15:54

Tgt Ion:	127	Resp:	67223
Ion Ratio	Lower	Upper	
127	100		
129	31.4	26.5	39.7





#44

Dimethylphthalate

Concen: 5.592 ng/ul

RT: 14.14 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BG041911.D

Acq: 3 Aug 2019 15:54

Instrument :

BNA_G

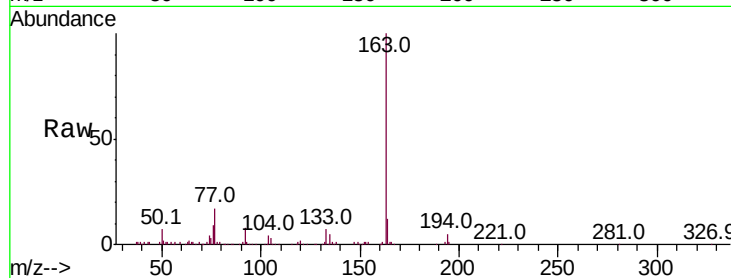
ClientSampled :

BENS5

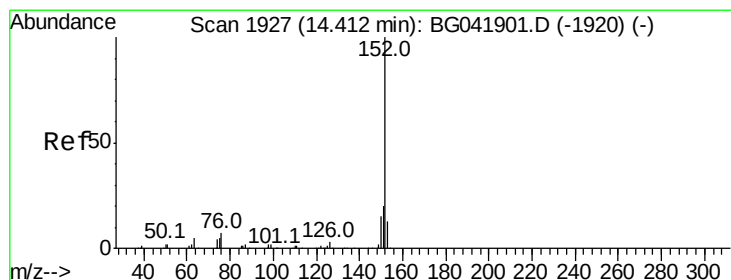
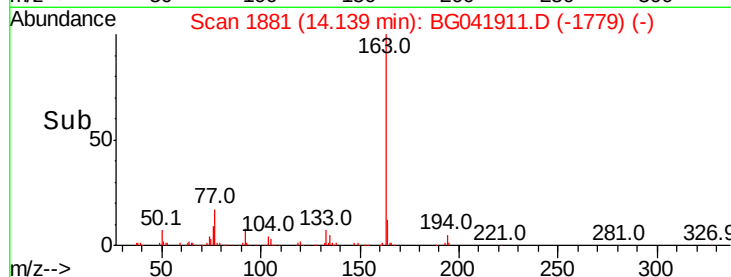
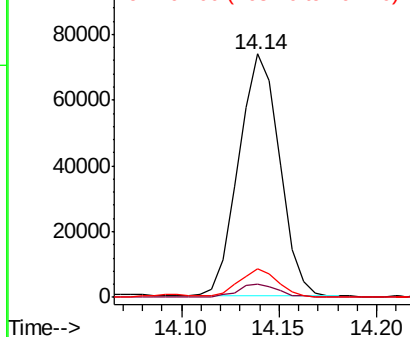
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	5.2	4.2	6.2	
164	11.9	7.8	11.8	

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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



#47

Acenaphthylene

Concen: 1.005 ng/ul

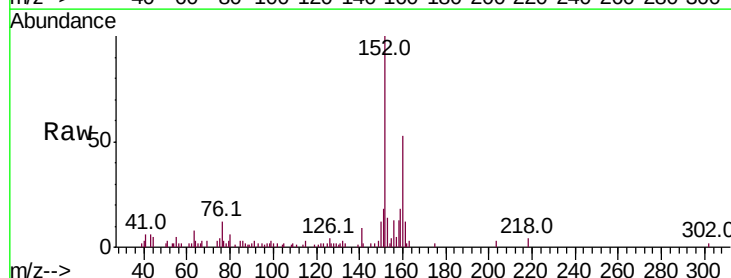
RT: 14.42 min Scan# 1928

Delta R.T. 0.00 min

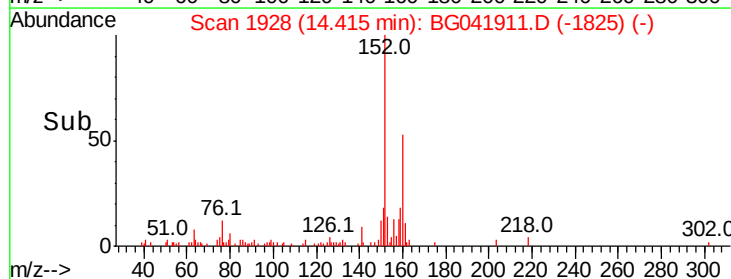
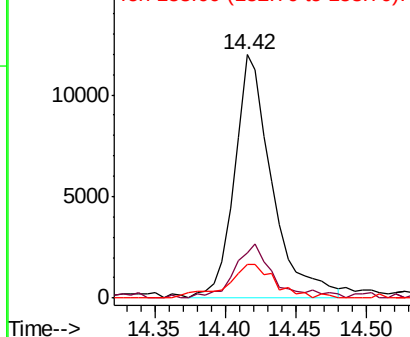
Lab File: BG041911.D

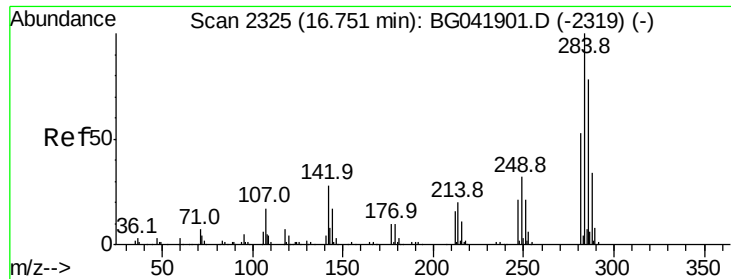
Acq: 3 Aug 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	18.4	16.8	25.2	
153	13.6	10.3	15.5	



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





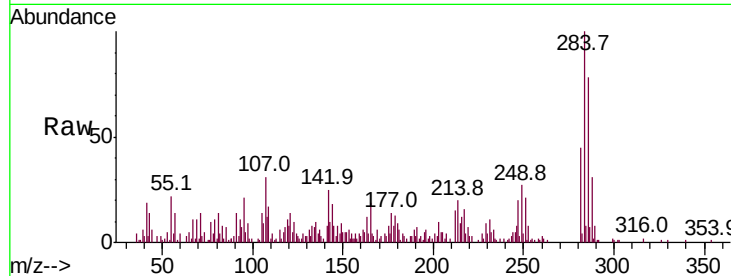
#66
Hexachlorobenzene
Concen: 3.245 ng/ul
RT: 16.75 min Scan# 2326
Delta R.T. 0.00 min
Lab File: BG041911.D
Acq: 3 Aug 2019 15:54

Instrument :
BNA_G
ClientSampleId :
BENS5

Tot Ion	Ratio	Resp	Lower	Upper
284	100	21328		
142	22.9		24.4	36.6#
249	25.3		27.2	40.8#

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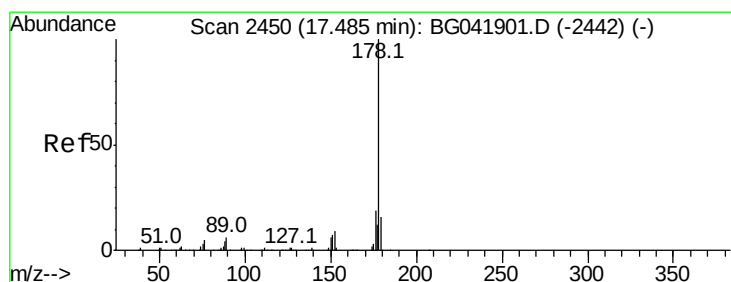
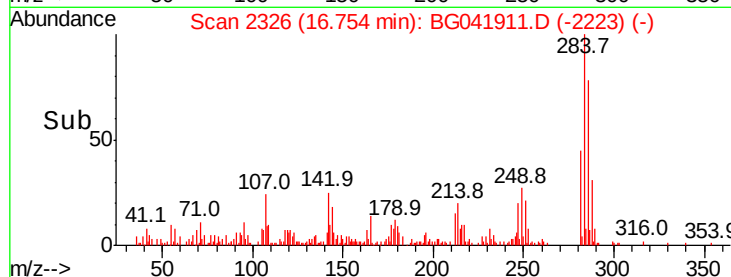
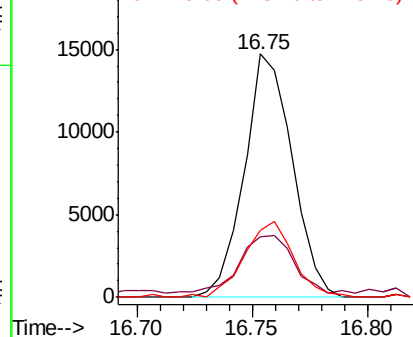


Abundance

Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69
Phenanthrene
Concen: 6.862 ng/ul
RT: 17.49 min Scan# 2451
Delta R.T. 0.00 min
Lab File: BG041911.D
Acq: 3 Aug 2019 15:54

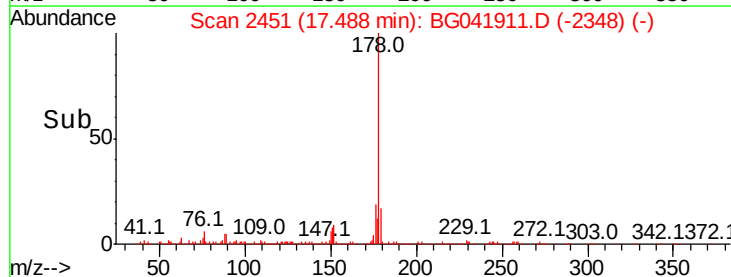
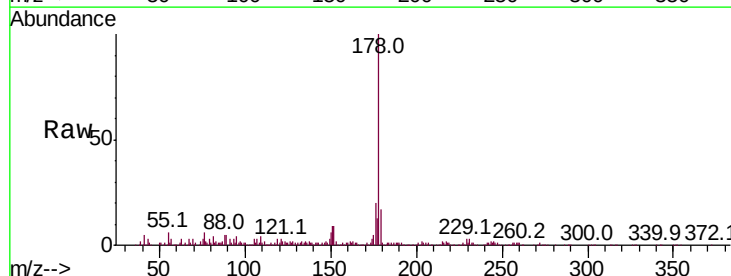
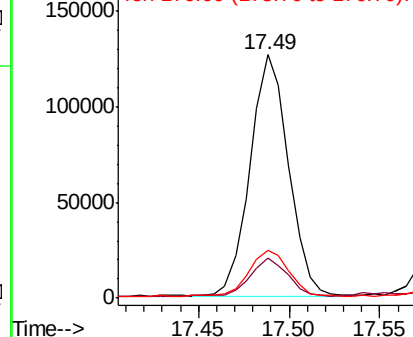
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	185704		
179	16.7		12.8	19.2
176	19.7		15.4	23.2

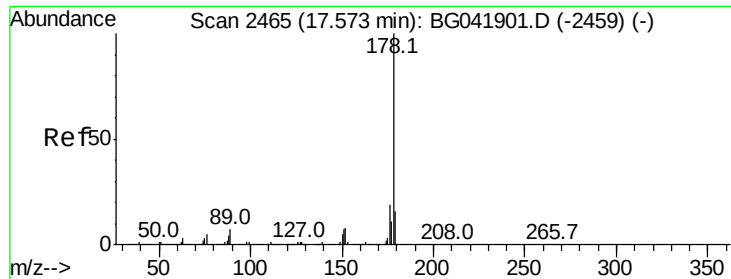
Abundance

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





#71

Anthracene

Concen: 1.163 ng/ul

RT: 17.58 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BG041911.D

Acq: 3 Aug 2019 15:54

Instrument :

BNA_G

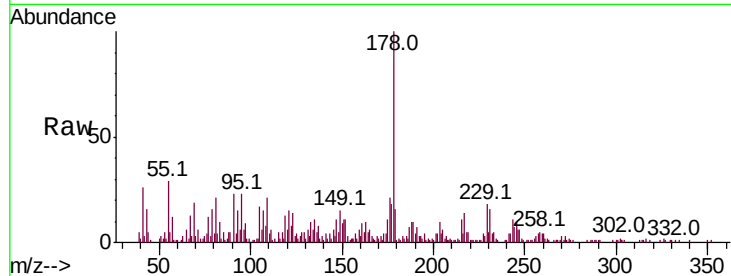
ClientSampleId :

BENS5

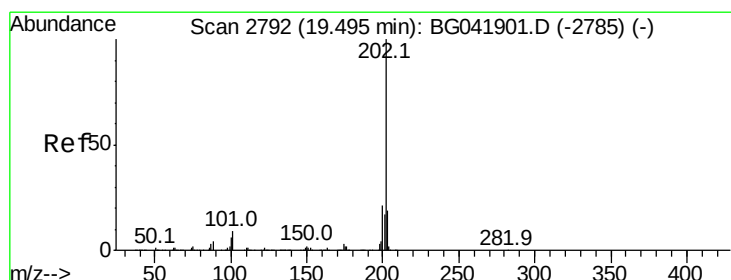
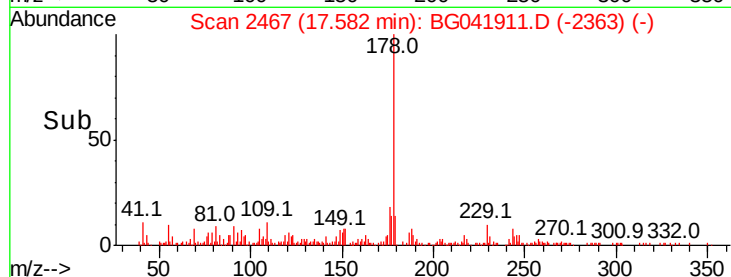
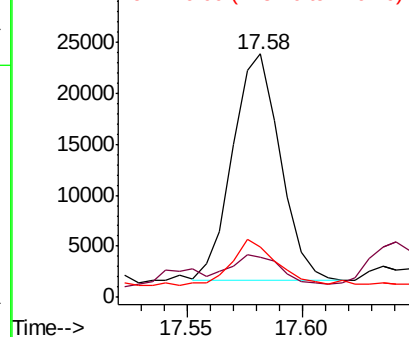
Tot Ion:178	Resp:	31924
Ion Ratio	Lower	Upper
178	100	
179	16.4	13.4 20.0
176	20.6	15.4 23.2

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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: 14.056 ng/ul m

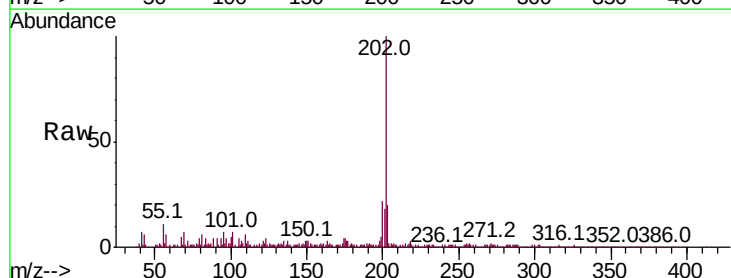
RT: 19.50 min Scan# 2794

Delta R.T. 0.01 min

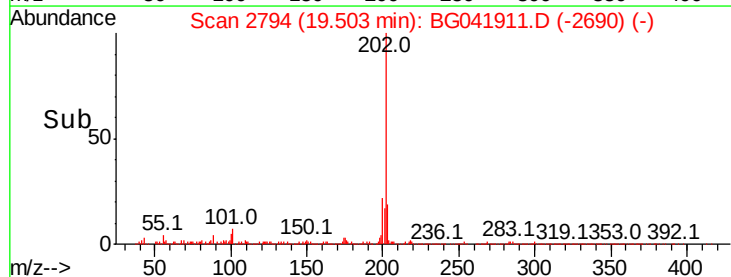
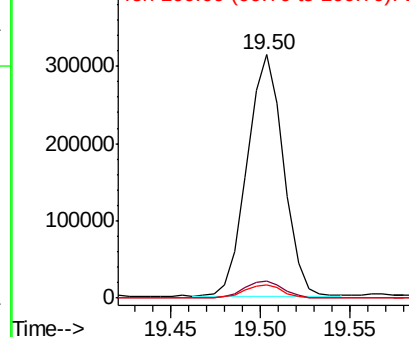
Lab File: BG041911.D

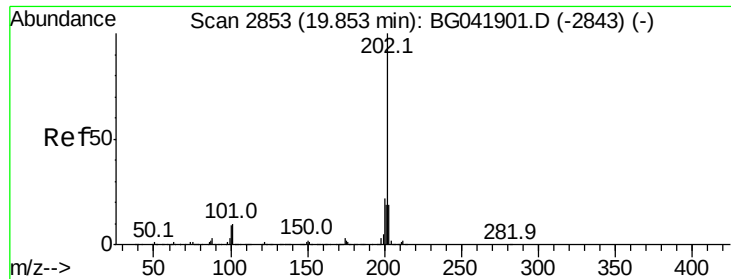
Acq: 3 Aug 2019 15:54

Tgt Ion:202	Resp:	439544
Ion Ratio	Lower	Upper
202	100	
101	7.3	6.7 10.1
100	5.2	5.3 7.9#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





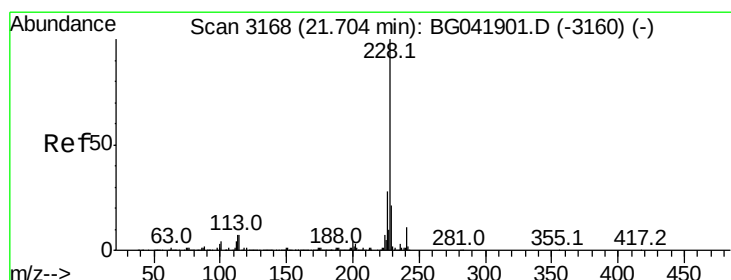
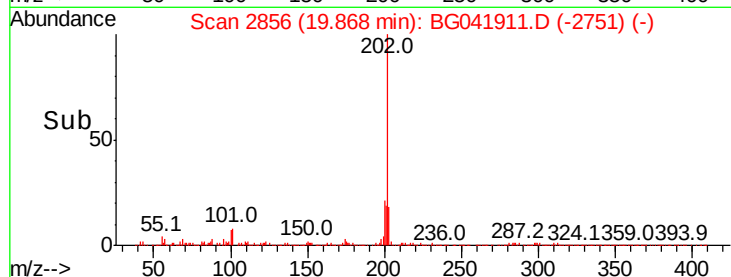
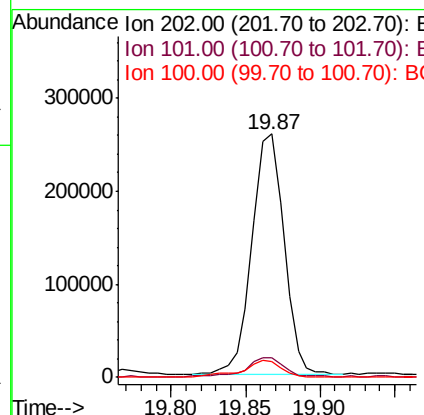
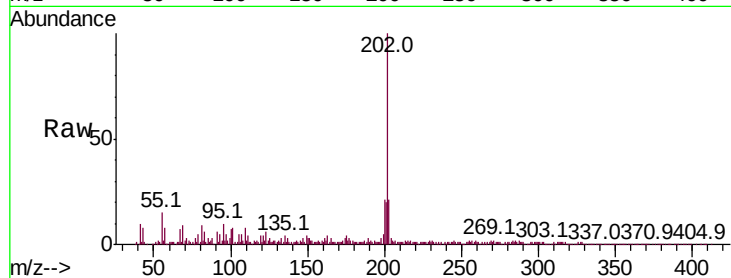
#79
Pvrene
Concen: 11.314 ng/ul
RT: 19.87 min Scan# 2856
Delta R.T. 0.01 min
Lab File: BG041911.D
Acq: 3 Aug 2019 15:54

Instrument :
BNA_G
ClientSampleId :
BENS5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.2	7.6	11.4
100	6.6	6.5	9.7

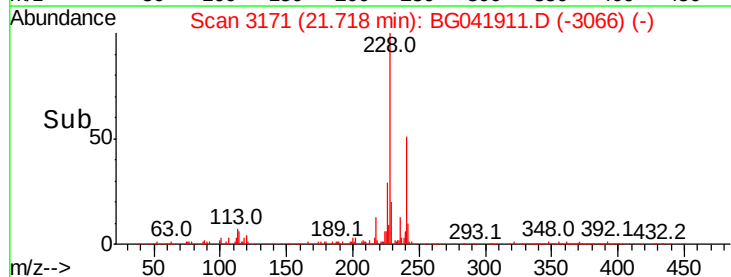
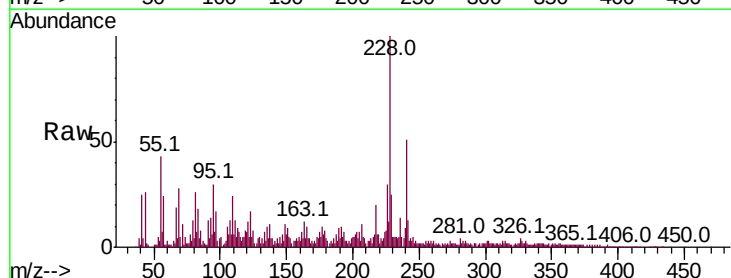
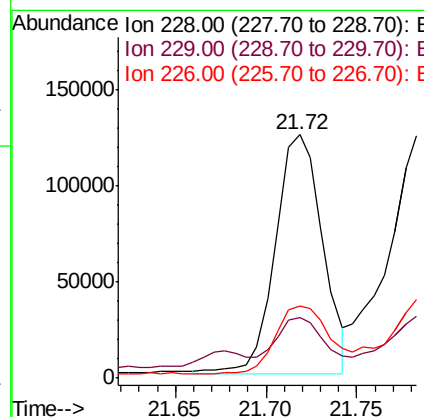
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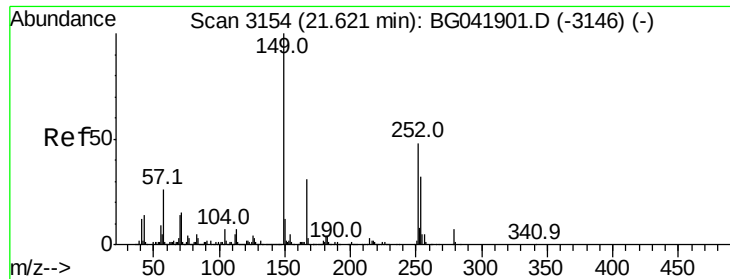
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#82
Benzo(a)anthracene
Concen: 6.442 ng/ul
RT: 21.72 min Scan# 3171
Delta R.T. 0.01 min
Lab File: BG041911.D
Acq: 3 Aug 2019 15:54

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	25.0	17.0	25.6
226	29.7	23.3	34.9





#83

Bis(2-ethylhexyl)phthalate

Concen: 14.184 ng/ul

RT: 21.63 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BG041911.D

Acq: 3 Aug 2019 15:54

Instrument :

BNA_G

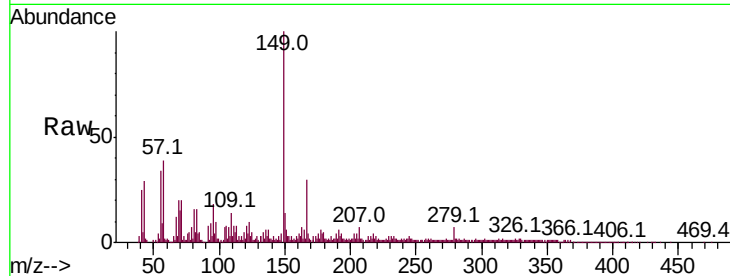
ClientSampled :

BENS5

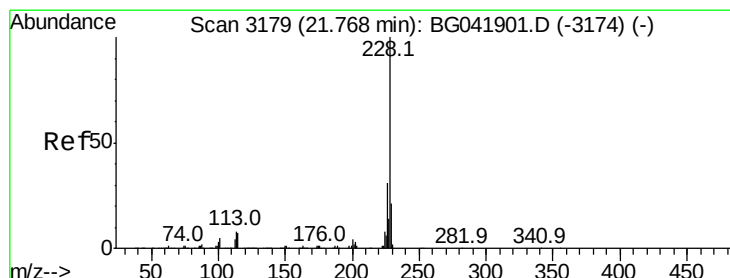
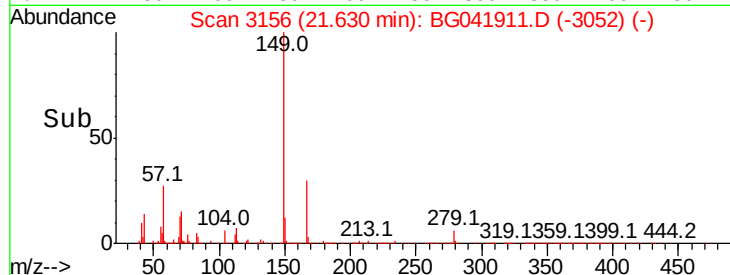
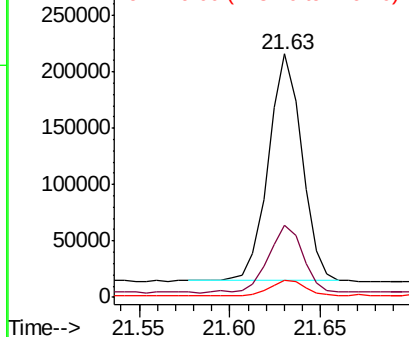
Tot Ion:	149	Resp:	258473
Ion Ratio	Lower	Upper	
149	100		
167	29.8	25.0	37.4
279	6.8	5.2	7.8

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 7.969 ng/ul

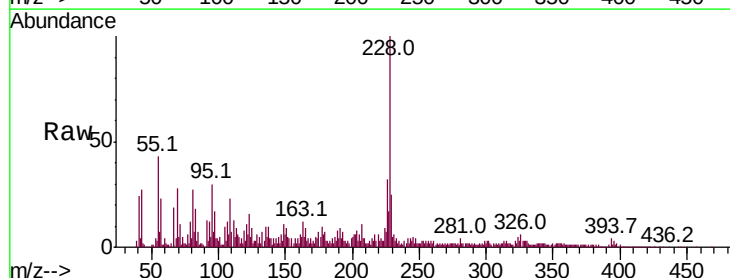
RT: 21.78 min Scan# 3182

Delta R.T. 0.01 min

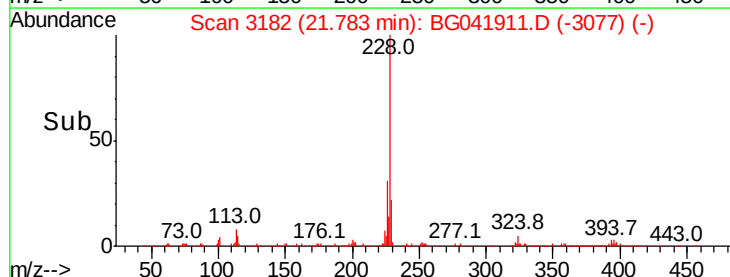
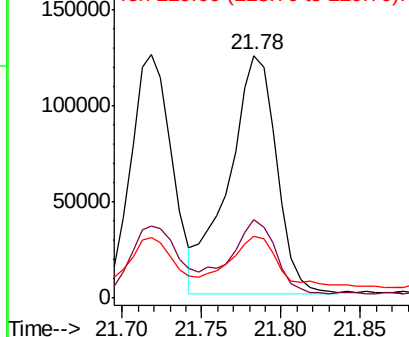
Lab File: BG041911.D

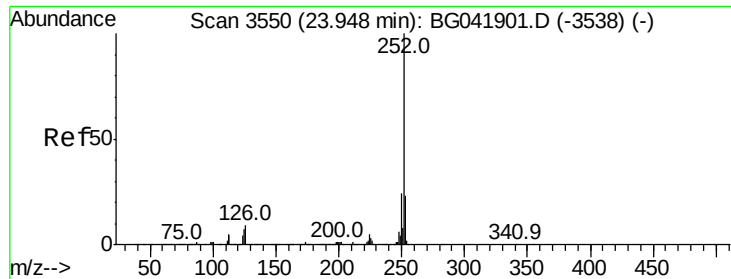
Acq: 3 Aug 2019 15:54

Tgt Ion:	228	Resp:	260151
Ion Ratio	Lower	Upper	
228	100		
226	32.1	25.7	38.5
229	25.5	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: 11.584 ng/ul

RT: 23.99 min Scan# 3557

Delta R.T. 0.04 min

Lab File: BG041911.D

Acq: 3 Aug 2019 15:54

Instrument :

BNA_G

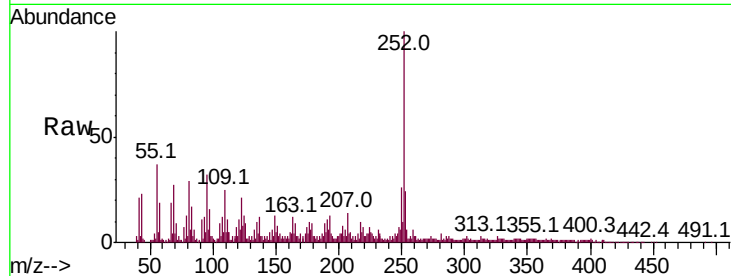
ClientSampleId :

BENS5

Tot Ion	Ratio	Resp	Lower	Upper
252	100	409801		
253	24.2	18.4	27.6	
125	13.1	5.8	8.8#	

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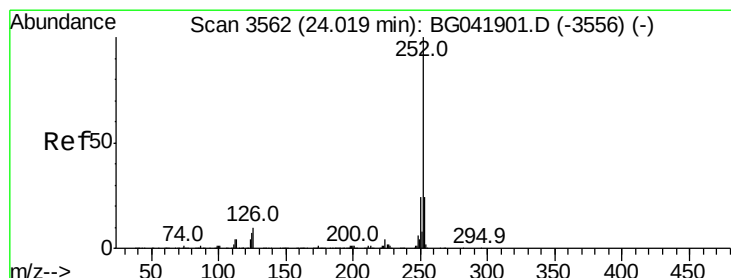
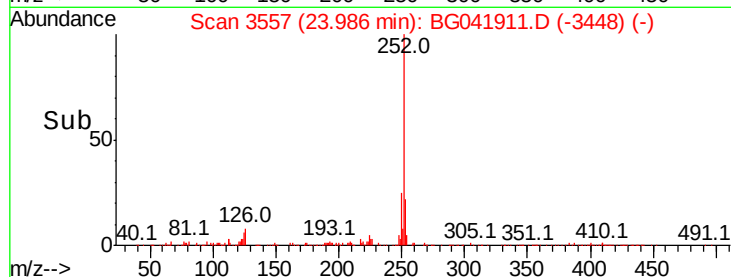
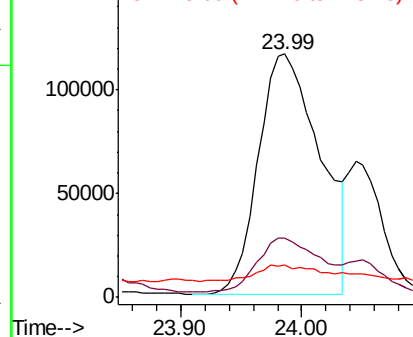


Abundance

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: 3.845 ng/ul m

RT: 24.05 min Scan# 3567

Delta R.T. 0.03 min

Lab File: BG041911.D

Acq: 3 Aug 2019 15:54

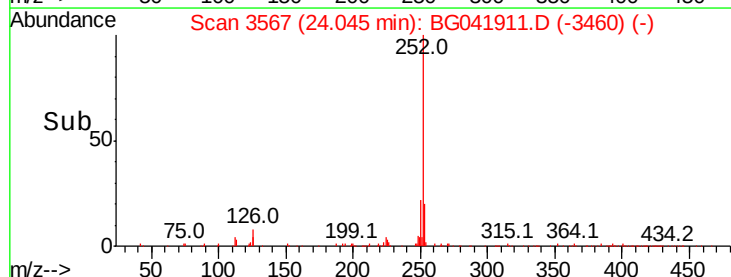
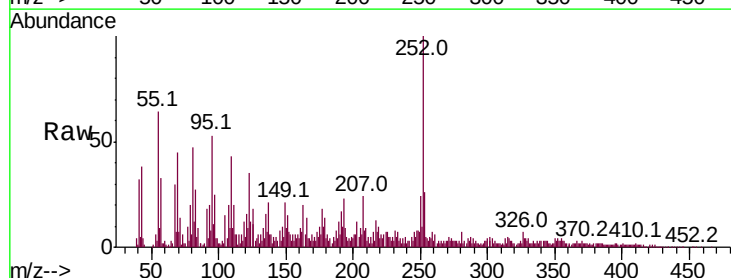
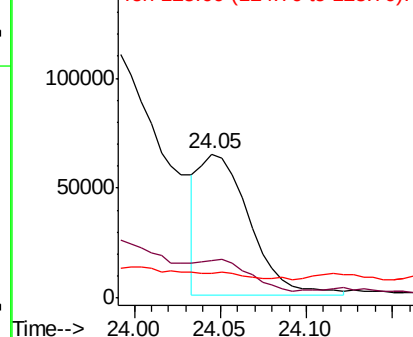
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	130768		
253	26.4	18.3	27.5	
125	17.5	5.5	8.3#	

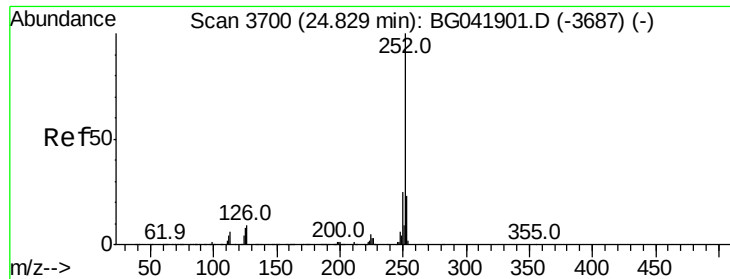
Abundance

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





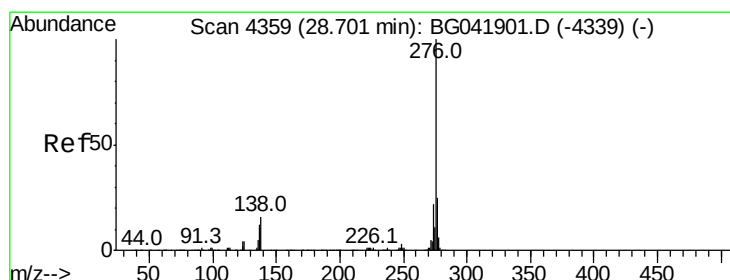
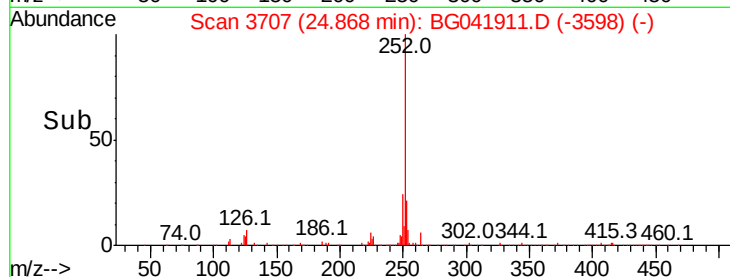
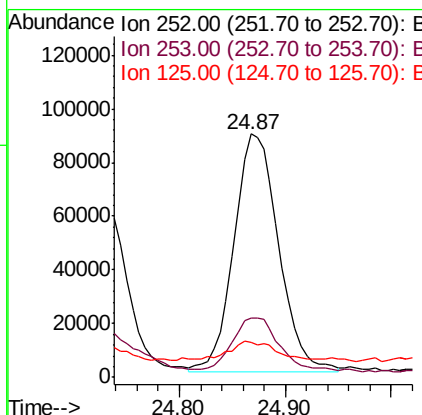
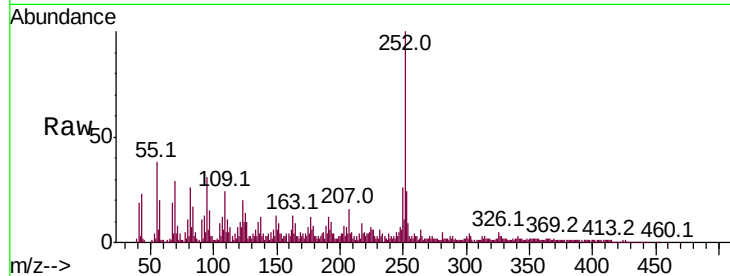
#90
Benzo(a)pyrene
Concen: 7.713 ng/ul
RT: 24.87 min Scan# 3707
Delta R.T. 0.04 min
Lab File: BG041911.D
Acq: 3 Aug 2019 15:54

Instrument :
BNA_G
ClientSampleId :
BENS5

Tot Ion	Ratio	Resp	Lower	Upper
252	100	260026		
253	24.4	18.3	27.5	
125	14.2	6.5	9.7	

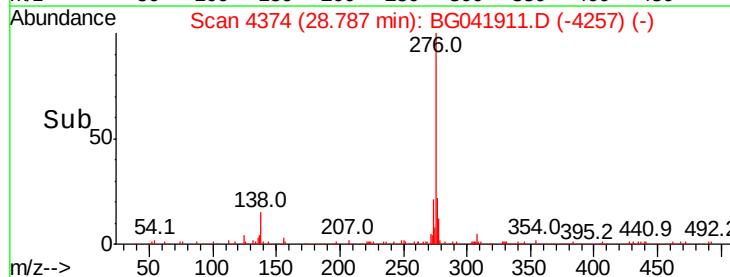
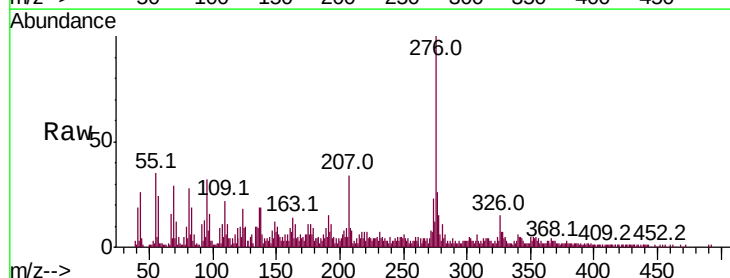
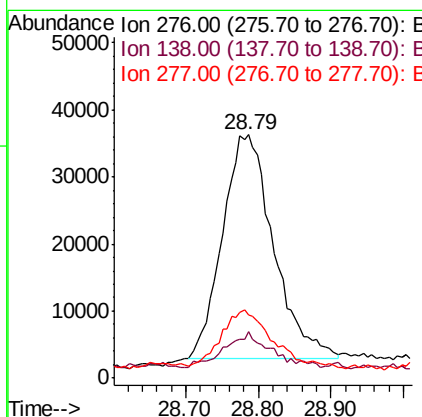
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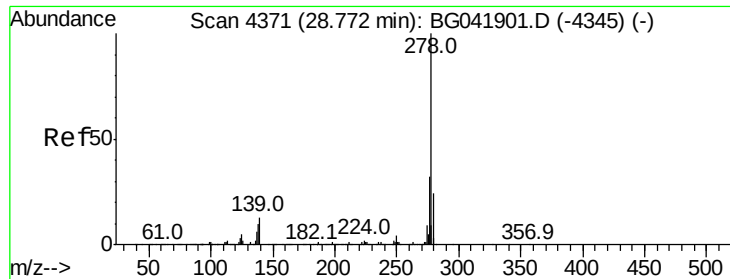
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#91
Indeno(1,2,3-cd)pyrene
Concen: 4.148 ng/ul
RT: 28.79 min Scan# 4374
Delta R.T. 0.09 min
Lab File: BG041911.D
Acq: 3 Aug 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	163114		
138	19.1	12.0	18.0	
277	26.2	19.2	28.8	





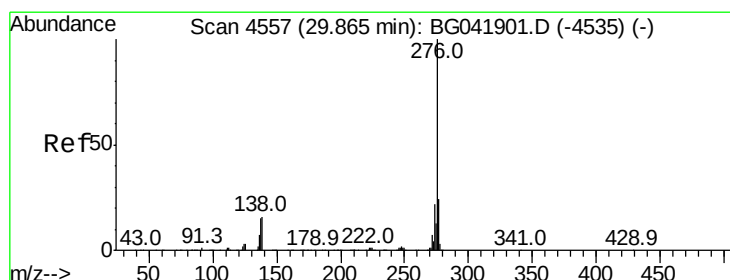
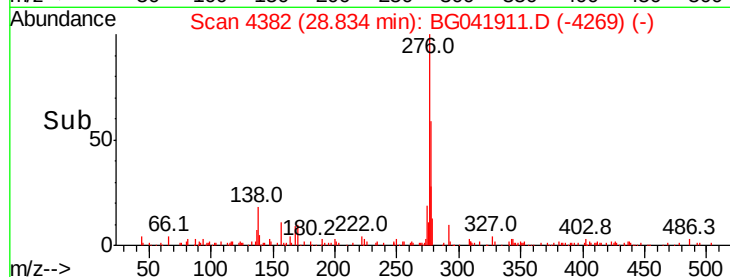
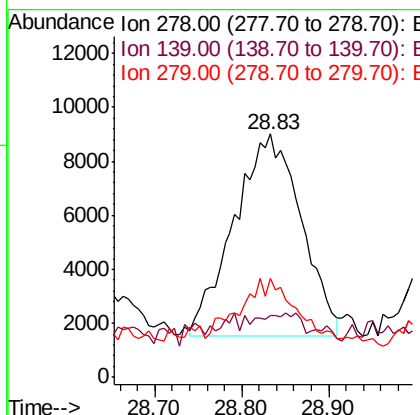
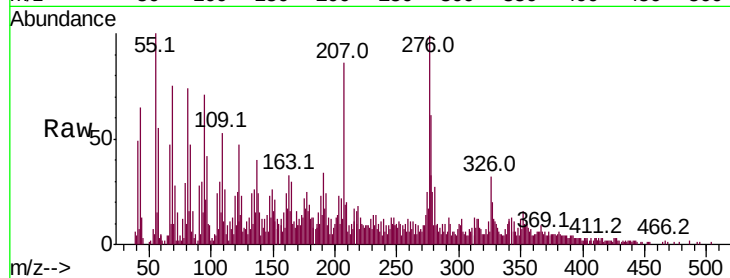
#92
Dibenzo(a,h)anthracene
Concen: 1.257 ng/ul m
RT: 28.83 min Scan# 4382
Delta R.T. 0.06 min
Lab File: BG041911.D
Acq: 3 Aug 2019 15:54

Instrument :
BNA_G
ClientSampleId :
BENS5

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.4	9.4	14.0#
279	40.6	19.2	28.8#

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#93
Benzo(g,h,i)perylene
Concen: 5.335 ng/ul
RT: 29.96 min Scan# 4573
Delta R.T. 0.09 min
Lab File: BG041911.D
Acq: 3 Aug 2019 15:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	12.6	18.8
277	24.8	19.2	28.8

