

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041960.D
 Acq On : 5 Aug 2019 9:37
 Operator : HP/JU
 Sample : K3850-02DL2 30X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 BENP1DL2

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:50 PM

Quant Time: Aug 05 12:01:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 11:40:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	59456	20.00	ng/ul	0.02
18) Naphthalene-d8	10.88	136	240133	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.71	164	158880	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.46	188	333426m	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	333833	20.00	ng/ul	0.00
85) Perylene-d12	25.02	264	379139	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.22	99	3372	0.72	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.38	67	2260	0.87	ng/ul	0.03
9) 2-Chlorophenol-d4	7.59	132	3683	0.92	ng/ul	0.03
13) 4-Methylphenol-d8	8.77	113	2791	0.71	ng/ul	0.03
19) Nitrobenzene-d5	9.23	128	1658	0.92	ng/ul	0.02
22) 2-Nitrophenol-d4	9.96	143	1822	0.87	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.51	165	3853m	0.91	ng/ul	0.04
29) 4-Chloroaniline-d4	11.02	131	5490m	1.17	ng/ul	0.03
43) Dimethylphthalate-d6	14.10	166	12305	1.00	ng/ul	0.00
46) Acenaphthylene-d8	14.40	160	16813	1.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.90	143	1089m	0.53	ng/ul	0.02
57) Fluorene-d10	15.70	176	12519	1.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.86	200	56	0.03	ng/ul	0.05
70) Anthracene-d10	17.55	188	20710	1.29	ng/ul	0.00
78) Pyrene-d10	19.84	212	22336	1.20	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.80	264	21583	1.09	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.93	128	99333	8.091	ng/ul 99
34) 2-Methylnaphthalene	12.53	142	95246	9.761	ng/ul 100
40) 1,1'-Biphenyl	13.54	154	14564	1.261	ng/ul# 97
49) Acenaphthene	14.77	153	140708	14.165	ng/ul 98
53) Dibenzofuran	15.10	168	23285	1.571	ng/ul# 83
58) Fluorene	15.75	166	115066	9.636	ng/ul 94
69) Phenanthrene	17.50	178	1355730m	74.272	ng/ul
71) Anthracene	17.59	178	367663	19.859	ng/ul 98
74) Carbazole	17.86	167	23859m	1.556	ng/ul
76) Fluoranthene	19.51	202	1011646	47.967	ng/ul 98
79) Pyrene	19.87	202	1598196	71.172	ng/ul 99
82) Benzo(a)anthracene	21.72	228	886742	38.310	ng/ul 98
83) Bis(2-ethylhexyl)phthalate	21.63	149	34466	2.858	ng/ul 99
84) Chrysene	21.79	228	910656	42.153	ng/ul 98
87) Benzo(b)fluoranthene	23.99	252	623361	26.199	ng/ul 98
88) Benzo(k)fluoranthene	24.04	252	251697m	11.002	ng/ul
90) Benzo(a)pyrene	24.87	252	637327	28.110	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	28.77	276	236009	8.925	ng/ul 98
92) Dibenzo(a,h)anthracene	28.82	278	86258	3.999	ng/ul 96
93) Benzo(g,h,i)perylene	29.93	276	240525	10.894	ng/ul 98

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

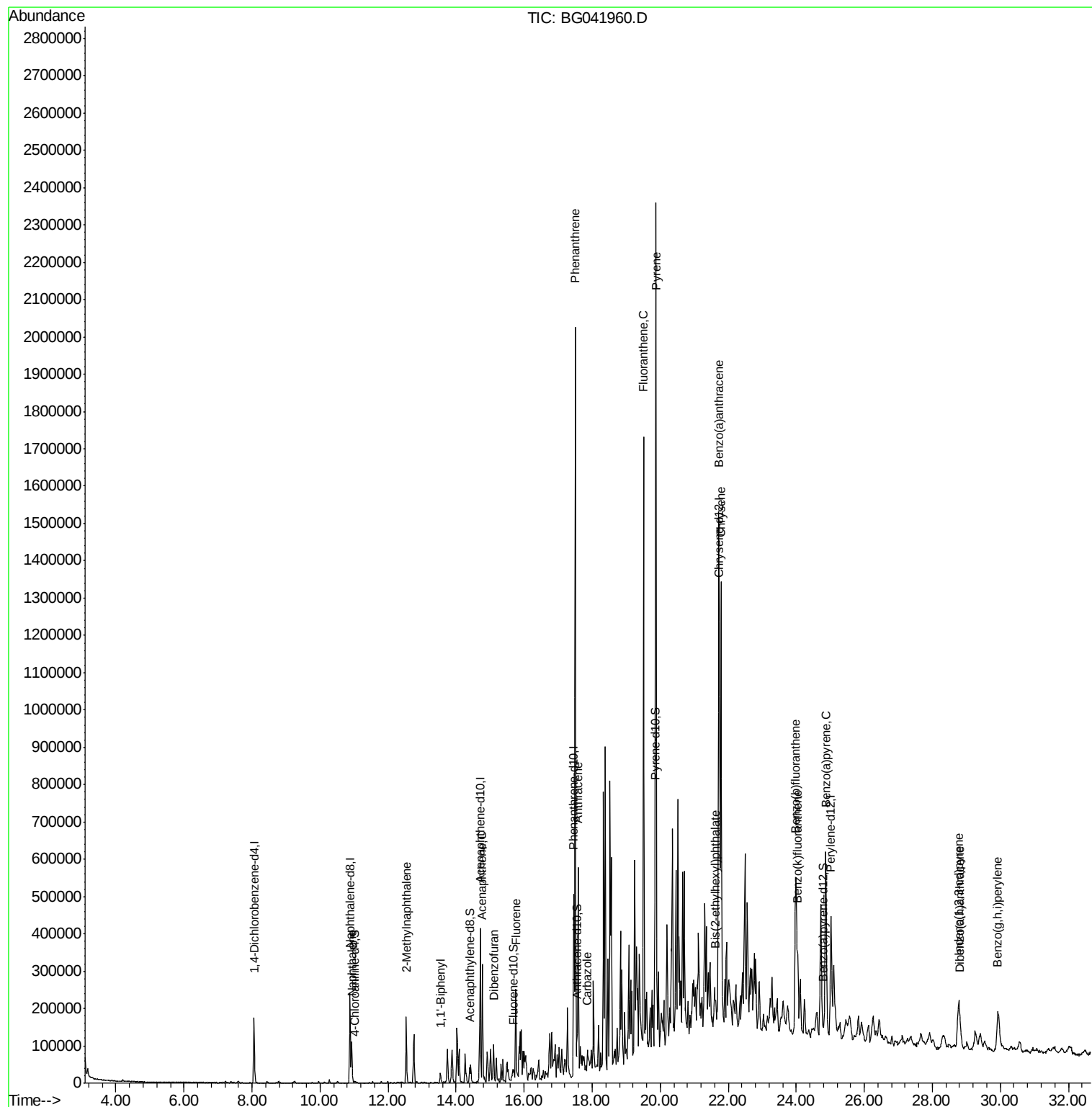
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041960.D
Acq On : 5 Aug 2019 9:37
Operator : HP/JU
Sample : K3850-02DL2 30X
Misc :
ALS Vial : 61 Sample Multiplier: 1

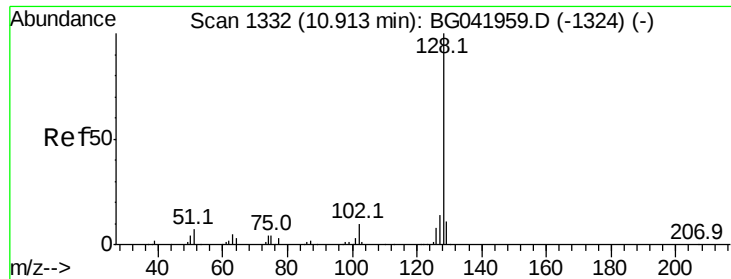
Instrument :
BNA_G
ClientSampleId :
BENP1DL2

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Quant Time: Aug 05 12:01:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





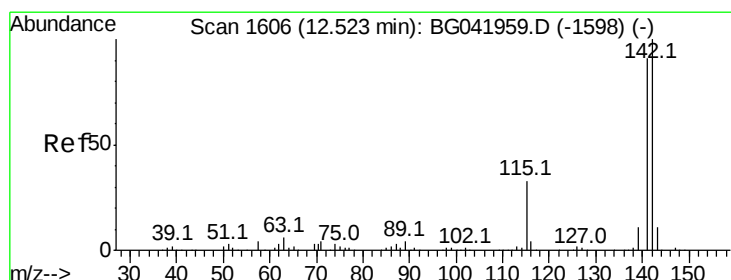
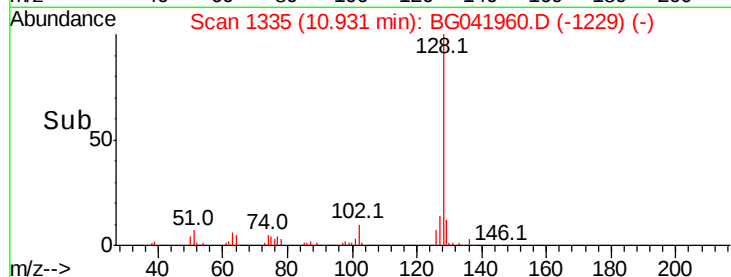
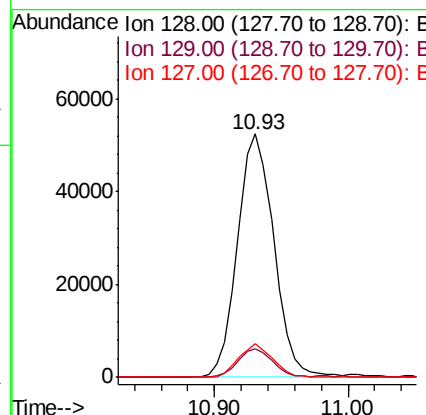
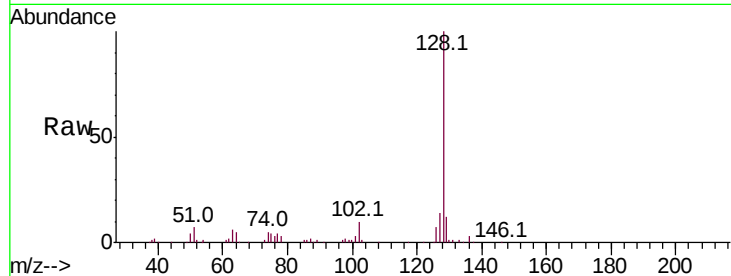
#28
Naphthalene
Concen: 8.091 ng/ul
RT: 10.93 min Scan# 1335
Delta R.T. 0.02 min
Lab File: BG041960.D
Acq: 5 Aug 2019 9:37

Instrument :
BNA_G
ClientSampleId :
BENP1DL2

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.5	14.3
127	13.8	11.4	17.0

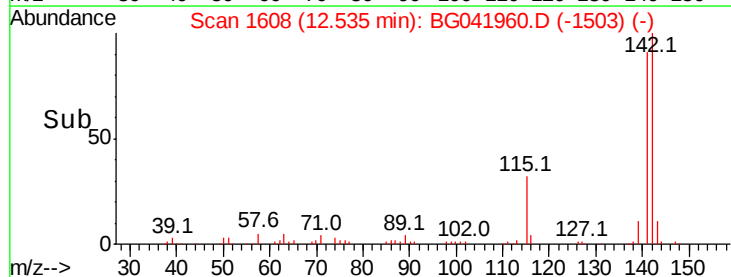
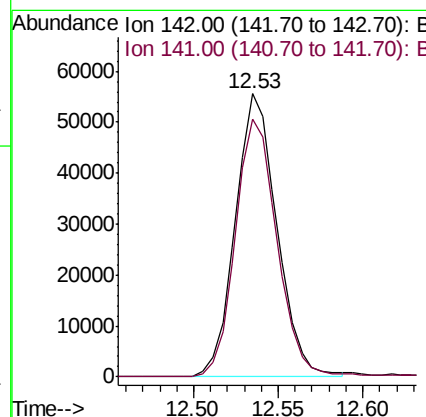
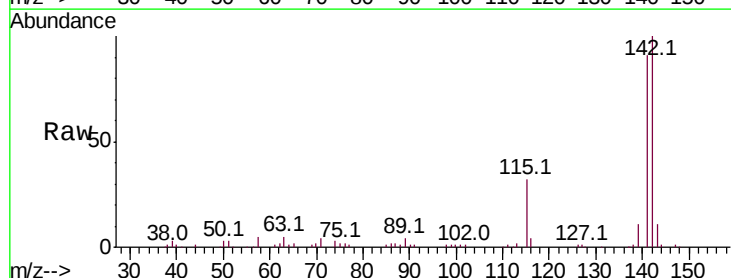
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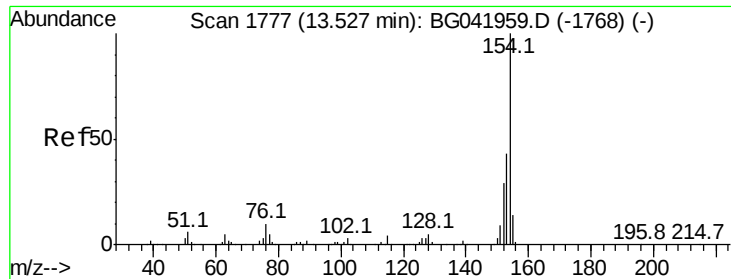
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#34
2-Methylnaphthalene
Concen: 9.761 ng/ul
RT: 12.53 min Scan# 1608
Delta R.T. 0.02 min
Lab File: BG041960.D
Acq: 5 Aug 2019 9:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.9	109.3





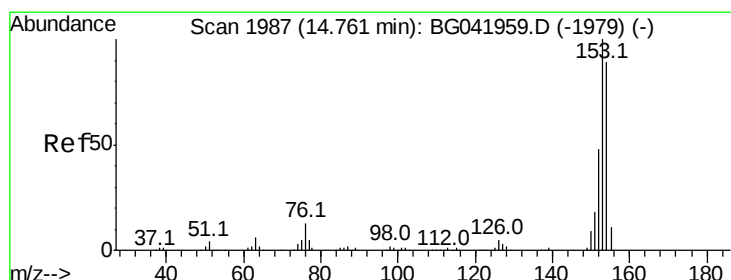
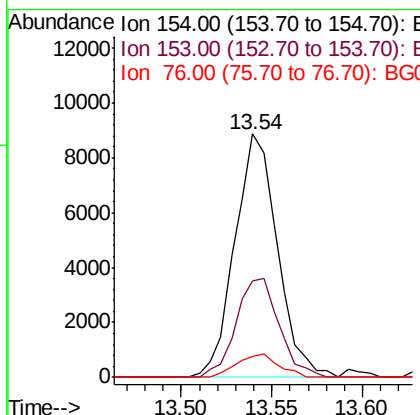
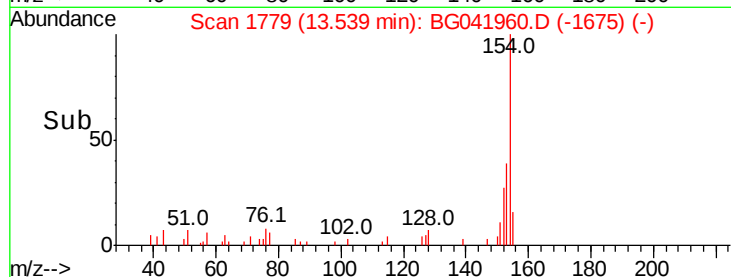
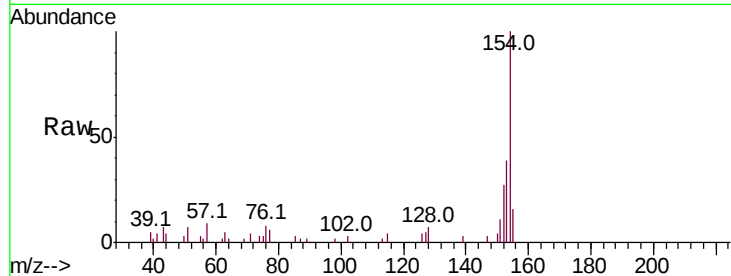
#40
1,1'-Biphenyl
Concen: 1.261 ng/ul
RT: 13.54 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BG041960.D
Acq: 5 Aug 2019 9:37

Instrument :
BNA_G
ClientSampleId :
BENP1DL2

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	39.5	32.6	48.8	
76	8.5	8.6	13.0	

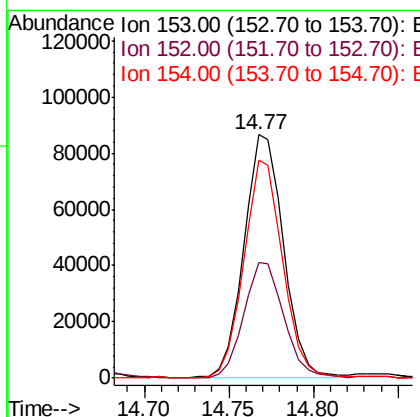
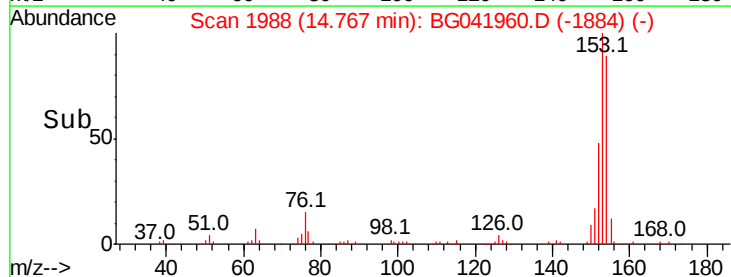
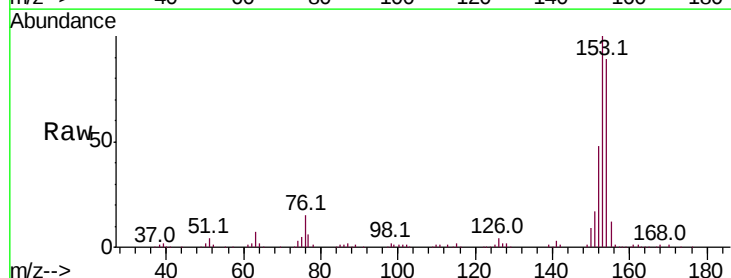
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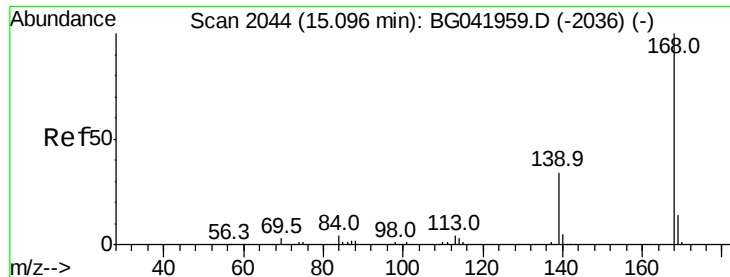
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#49
Acenaphthene
Concen: 14.165 ng/ul
RT: 14.77 min Scan# 1988
Delta R.T. 0.01 min
Lab File: BG041960.D
Acq: 5 Aug 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
153	100			
152	47.7	37.8	56.8	
154	89.4	69.4	104.2	





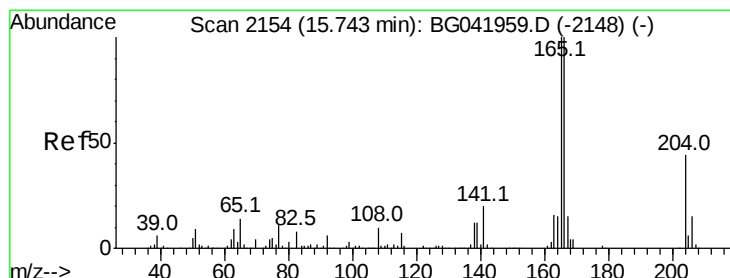
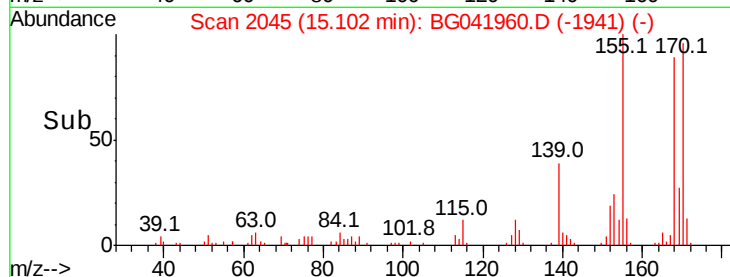
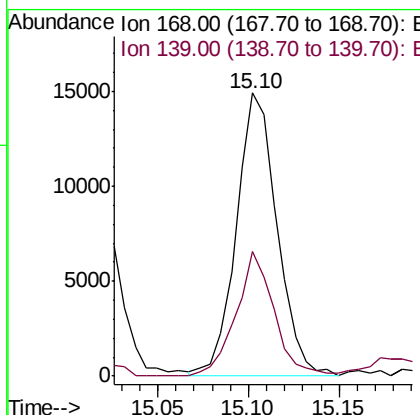
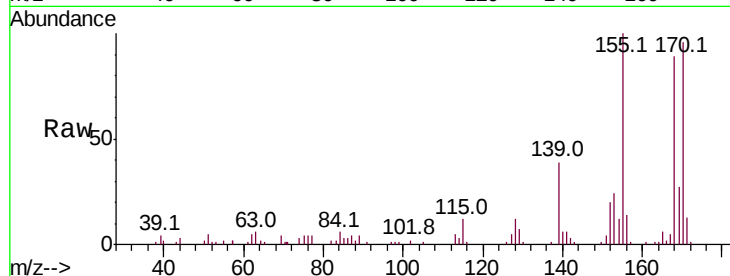
#53
Dibenzenofuran
Concen: 1.571 ng/ul
RT: 15.10 min Scan# 2045
Delta R.T. 0.01 min
Lab File: BG041960.D
Acq: 5 Aug 2019 9:37

Instrument :
BNA_G
ClientSampleId :
BENP1DL2

Tot Ion:168 Resp: 23285
Ion Ratio Lower Upper
168 100
139 44.1 27.3 40.9#

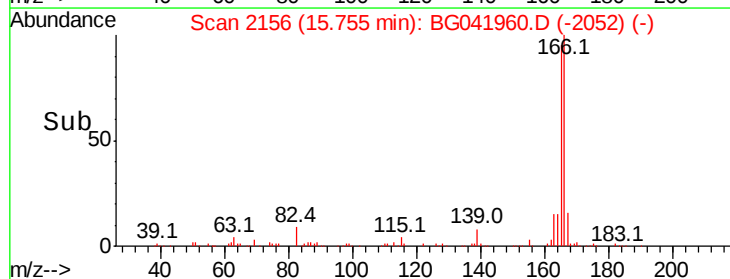
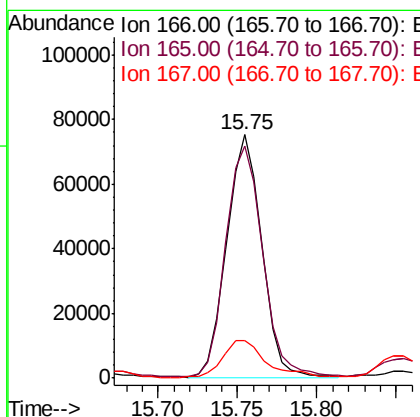
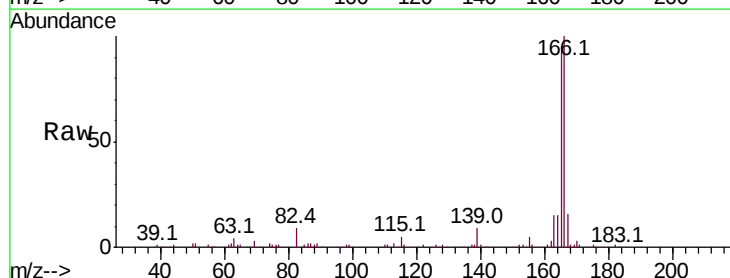
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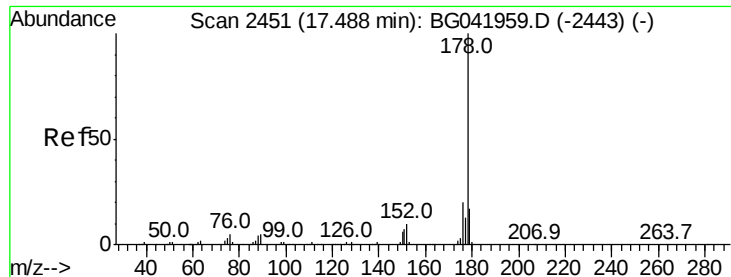
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#58
Fluorene
Concen: 9.636 ng/ul
RT: 15.75 min Scan# 2156
Delta R.T. 0.01 min
Lab File: BG041960.D
Acq: 5 Aug 2019 9:37

Tgt Ion:166 Resp: 115066
Ion Ratio Lower Upper
166 100
165 95.1 81.1 121.7
167 15.5 11.0 16.4





#69

Phenanthrene

Concen: 74.272 ng/ul m

RT: 17.50 min Scan# 2453

Delta R.T. 0.01 min

Lab File: BG041960.D

Acq: 5 Aug 2019 9:37

Instrument :

BNA_G

ClientSampled :

BENP1DL2

Tot Ion:178 Resp: 1355730

Ion Ratio Lower Upper

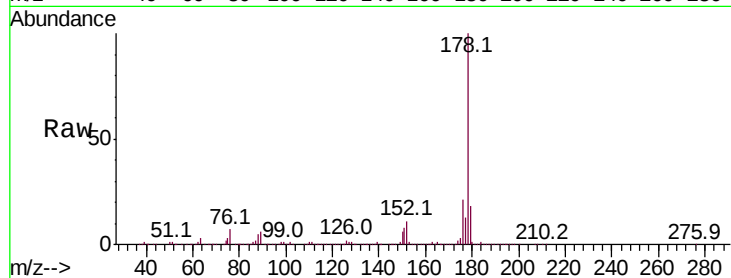
178 100

179 17.7 12.8 19.2

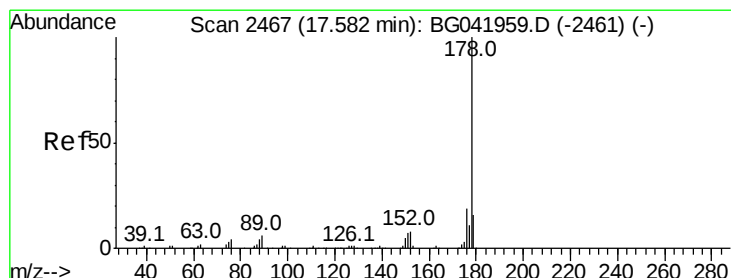
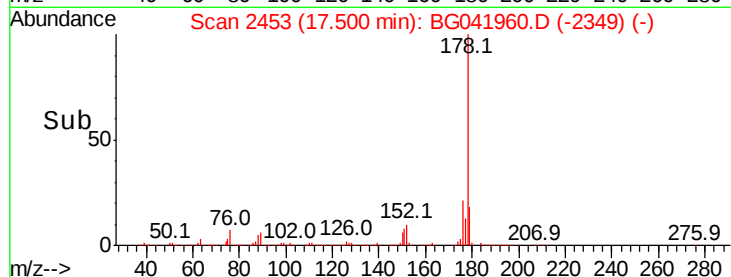
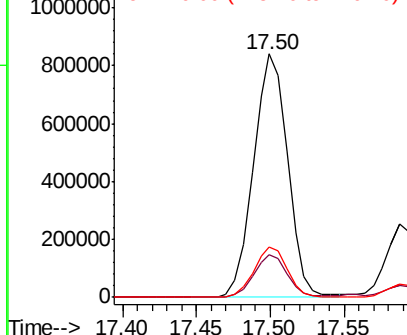
176 20.7 15.4 23.2

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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



#71

Anthracene

Concen: 19.859 ng/ul

RT: 17.59 min Scan# 2468

Delta R.T. 0.00 min

Lab File: BG041960.D

Acq: 5 Aug 2019 9:37

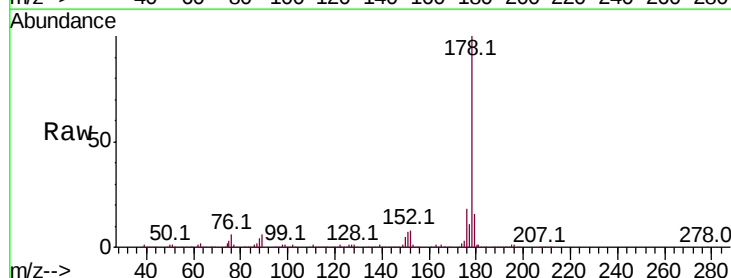
Tgt Ion:178 Resp: 367663

Ion Ratio Lower Upper

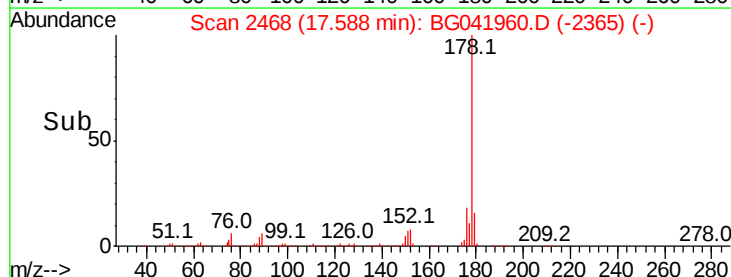
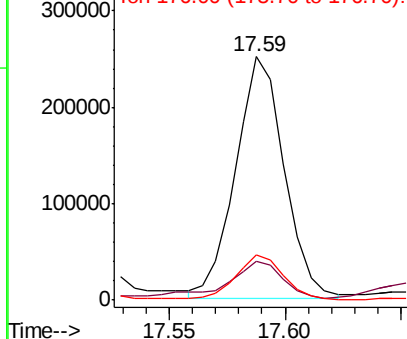
178 100

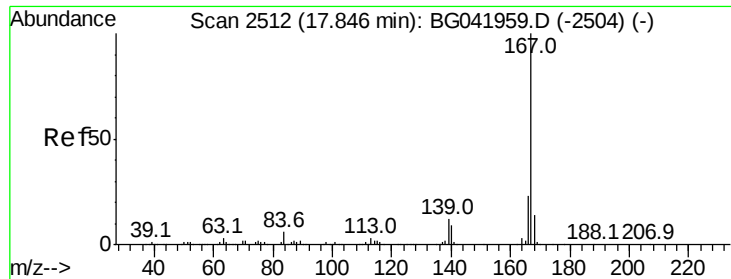
179 16.2 13.4 20.0

176 18.3 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





#74

Carbazole

Concen: 1.556 ng/ul m

RT: 17.86 min Scan# 2514

Delta R.T. 0.01 min

Lab File: BG041960.D

Acq: 5 Aug 2019 9:37

Instrument :

BNA_G

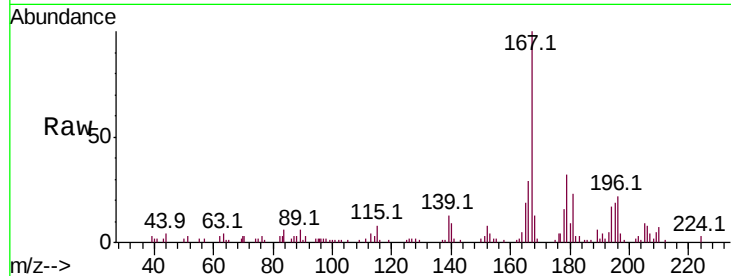
ClientSampleId :

BENP1DL2

Tot Ion	Ratio	Lower	Upper
167	100		
166	28.9	18.2	27.4#
139	13.2	9.6	14.4

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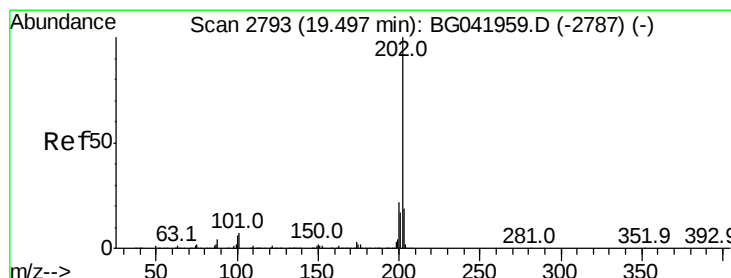
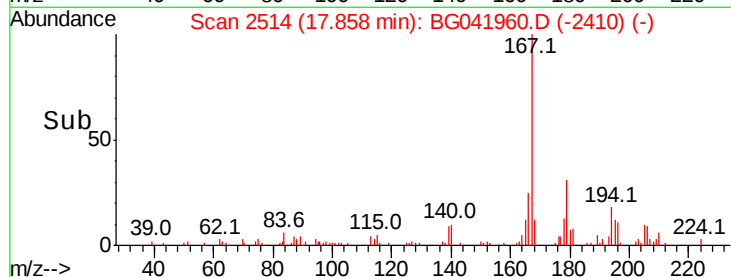
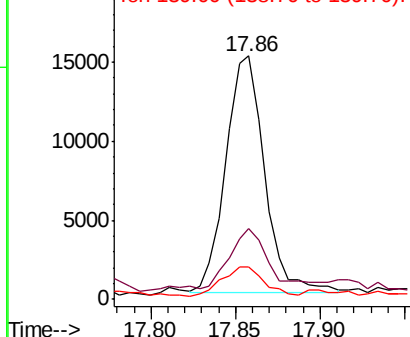


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 47.967 ng/ul

RT: 19.51 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BG041960.D

Acq: 5 Aug 2019 9:37

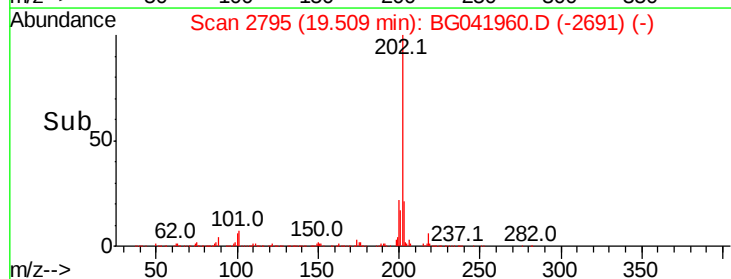
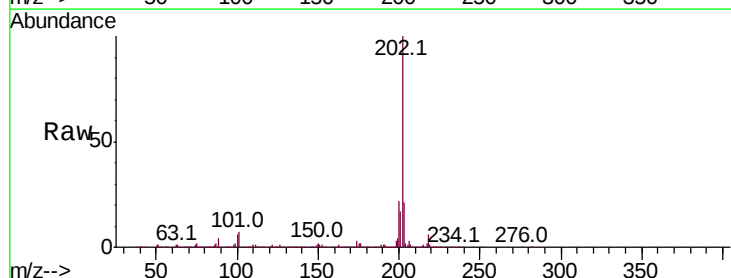
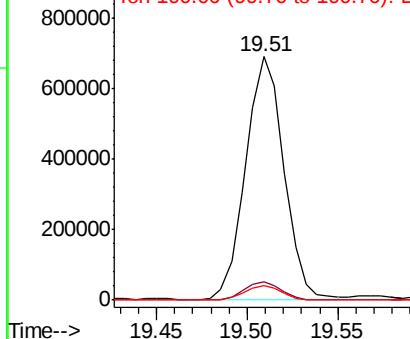
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.4	6.7	10.1
100	5.9	5.3	7.9

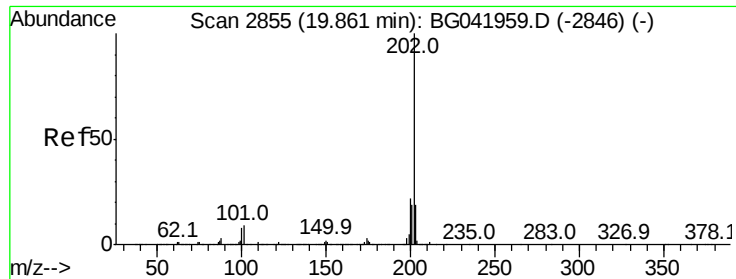
Abundance

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: 71.172 ng/ul

RT: 19.87 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BG041960.D

Acq: 5 Aug 2019 9:37

Instrument :

BNA_G

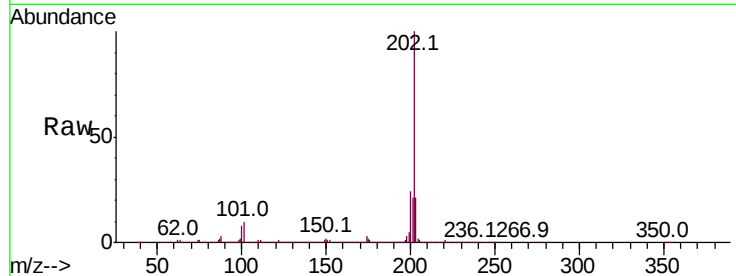
ClientSampled :

BENP1DL2

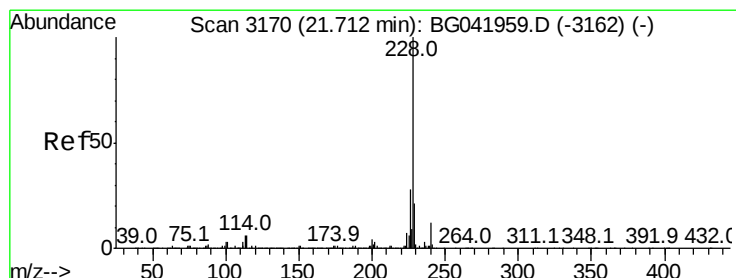
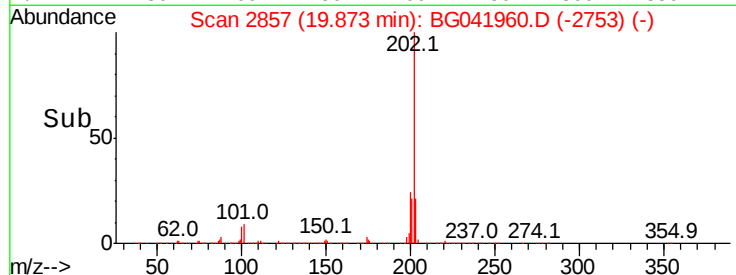
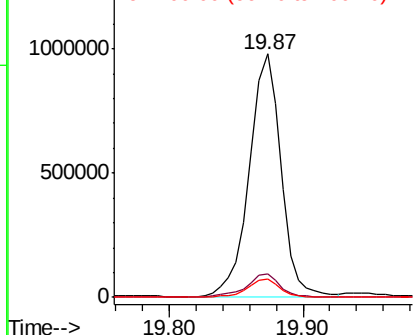
Tot Ion:	202	Resp:	1598196
Ion Ratio	Lower	Upper	
202	100		
101	9.8	7.6	11.4
100	7.6	6.5	9.7

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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



#82

Benzo(a)anthracene

Concen: 38.310 ng/ul

RT: 21.72 min Scan# 3172

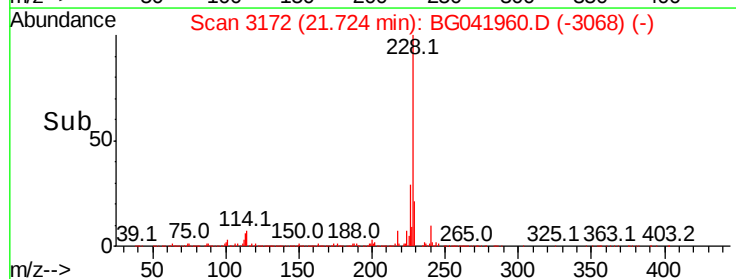
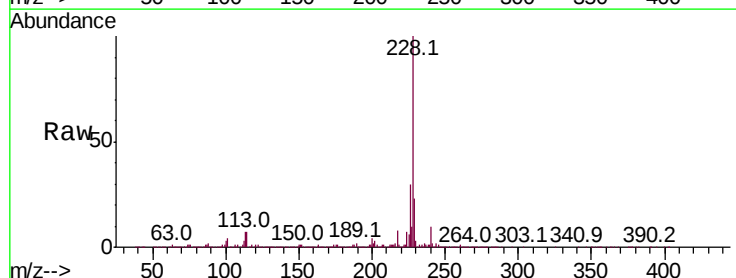
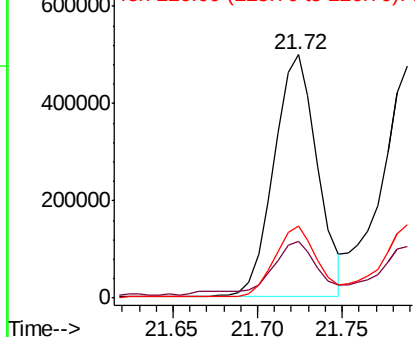
Delta R.T. 0.01 min

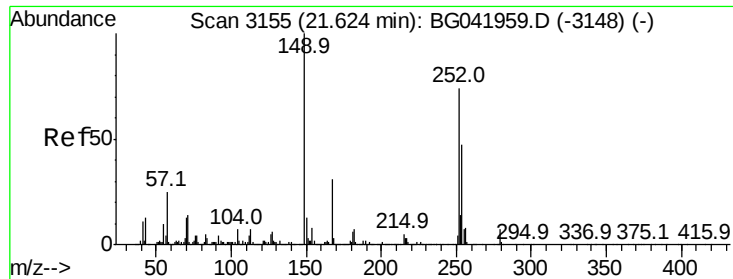
Lab File: BG041960.D

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Tgt Ion:	228	Resp:	886742
Ion Ratio	Lower	Upper	
228	100		
229	23.2	17.0	25.6
226	29.7	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





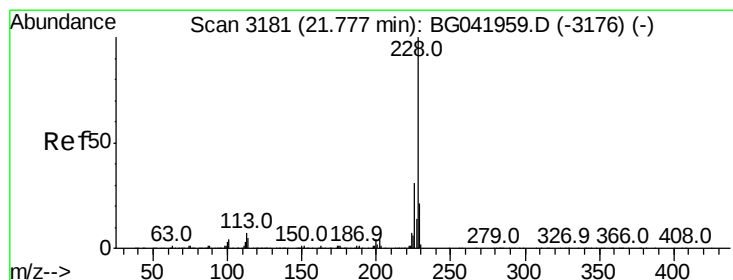
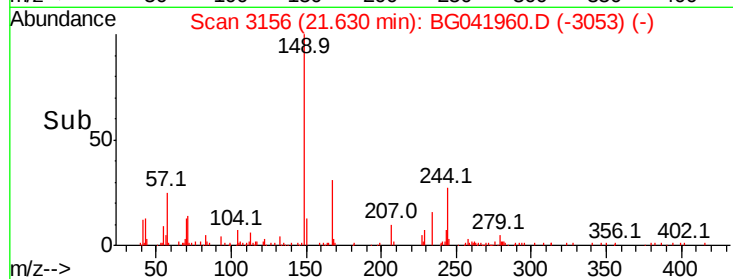
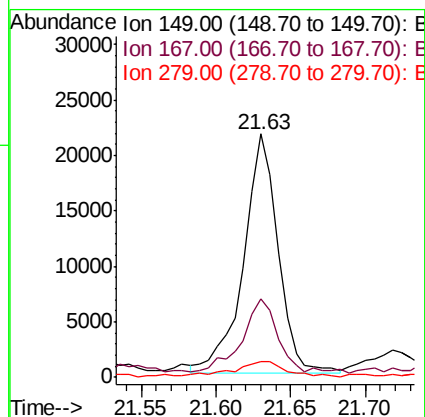
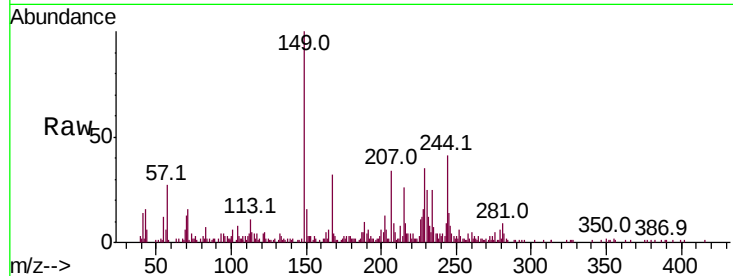
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.858 ng/ul
 RT: 21.63 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: BG041960.D
 Acq: 5 Aug 2019 9:37

Instrument :
 BNA_G
 ClientSampleId :
 BENP1DL2

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	32.0	25.0	37.4	
279	6.3	5.2	7.8	

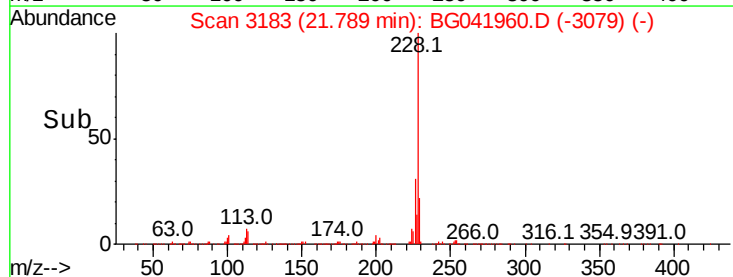
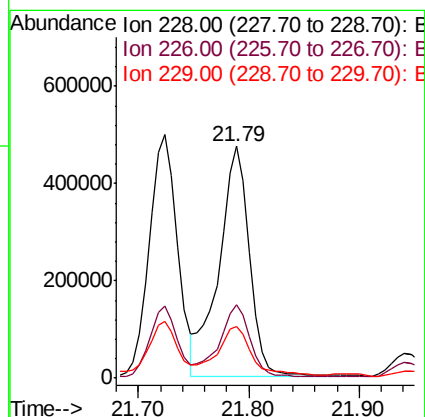
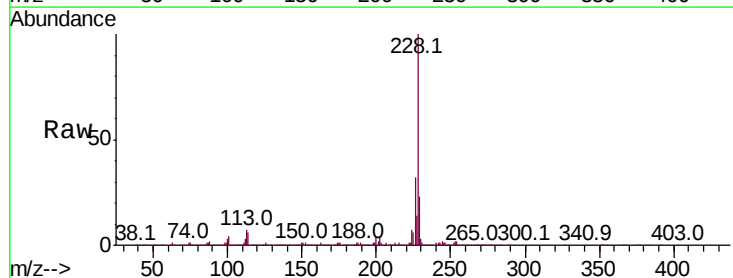
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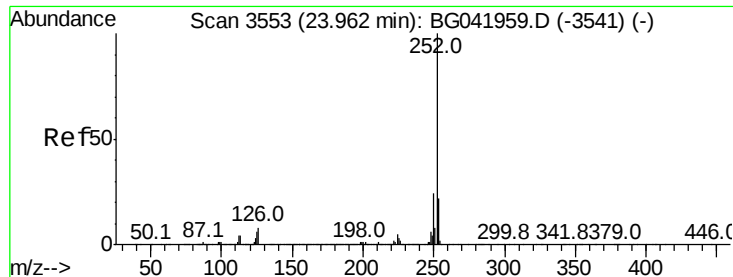
mohammad
 8/6/2019 12:18:50 PM



#84
 Chrysene
 Concen: 42.153 ng/ul
 RT: 21.79 min Scan# 3183
 Delta R.T. 0.01 min
 Lab File: BG041960.D
 Acq: 5 Aug 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	31.5	25.7	38.5	
229	22.5	16.6	24.8	





#87

Benzo(b)fluoranthene

Concen: 26.199 ng/ul

RT: 23.99 min Scan# 3557

Delta R.T. 0.02 min

Lab File: BG041960.D

Acq: 5 Aug 2019 9:37

Instrument :

BNA_G

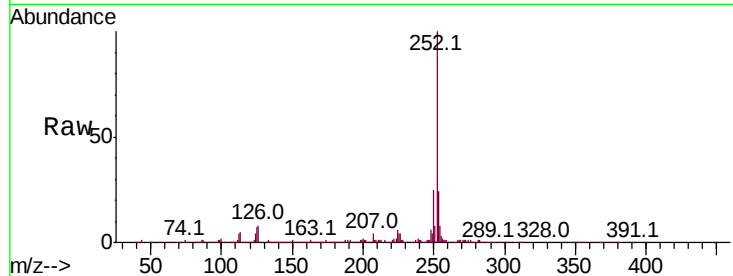
ClientSampleId :

BENP1DL2

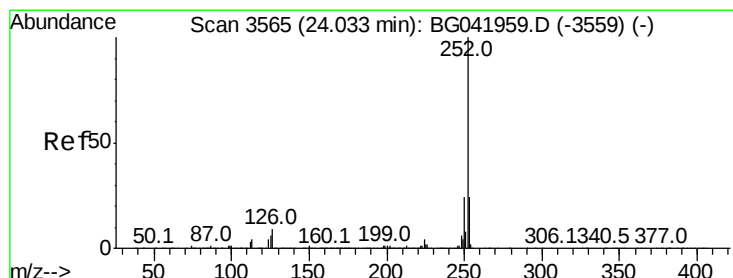
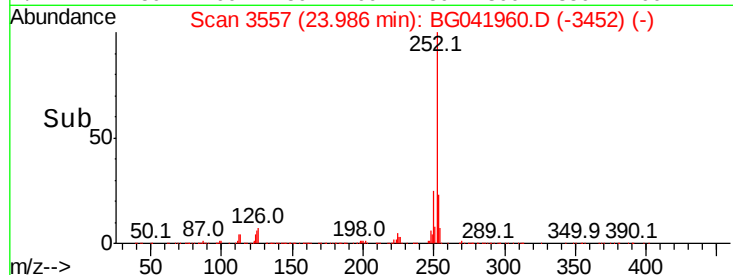
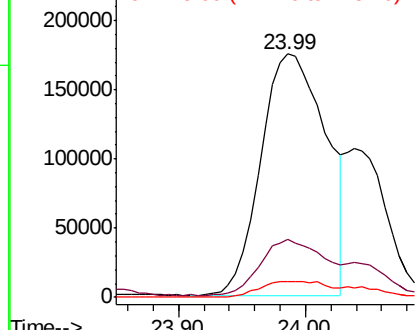
Tot Ion:	252	Resp:	623361
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.4	27.6
125	6.7	5.8	8.8

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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: 11.002 ng/ul m

RT: 24.04 min Scan# 3566

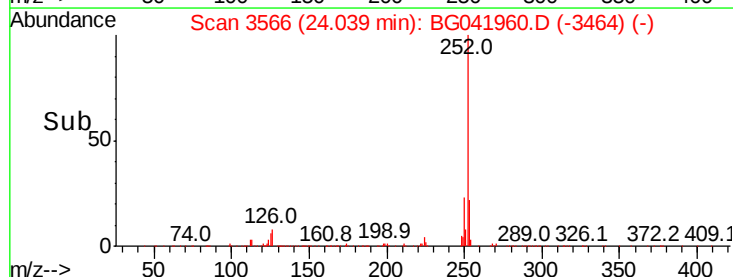
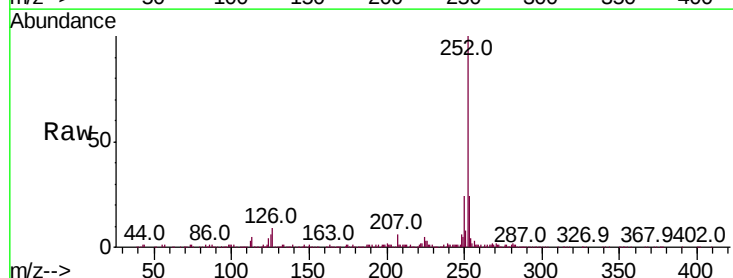
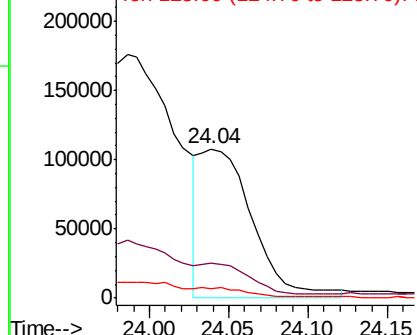
Delta R.T. -0.00 min

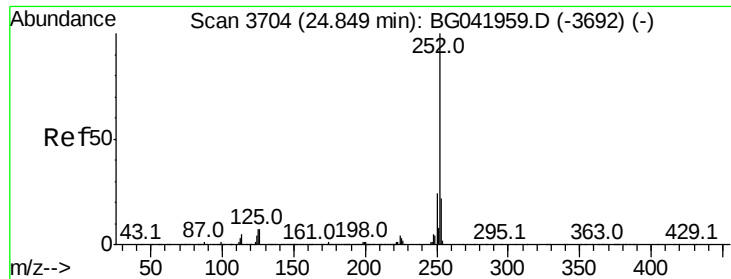
Lab File: BG041960.D

Acq: 5 Aug 2019 9:37

Tgt Ion:	252	Resp:	251697
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.3	27.5
125	6.4	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: 28.110 ng/ul

RT: 24.87 min Scan# 3707

Delta R.T. 0.01 min

Lab File: BG041960.D

Acq: 5 Aug 2019 9:37

Instrument :

BNA_G

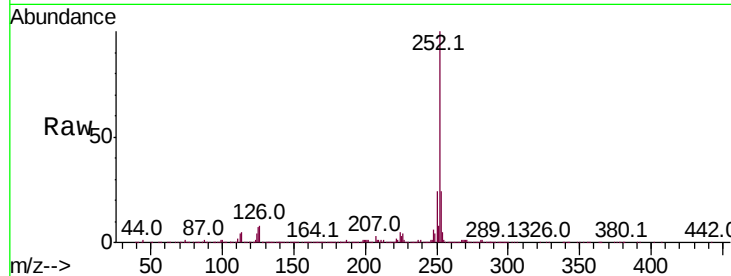
ClientSampled :

BENP1DL2

Tot Ion:	252	Resp:	637327
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.3	27.5
125	7.3	6.5	9.7

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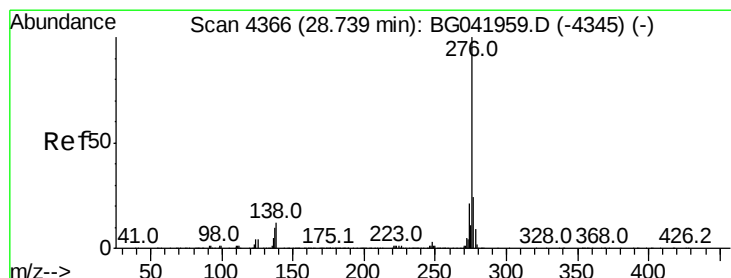
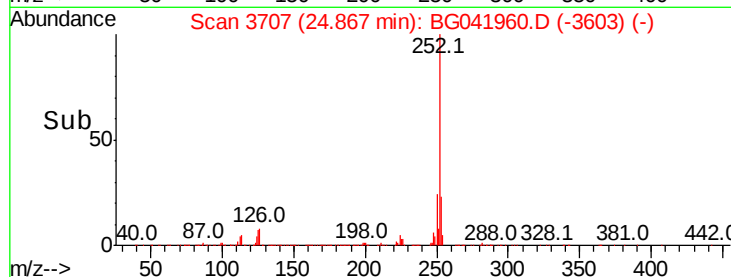
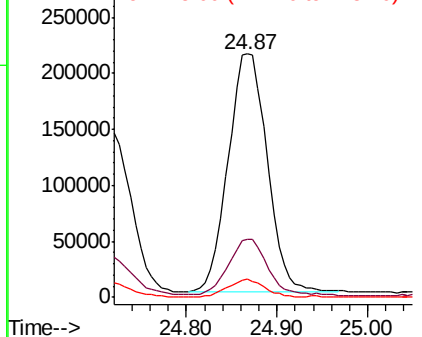


Abundance

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



#91

Indeno(1,2,3-cd)pyrene

Concen: 8.925 ng/ul

RT: 28.77 min Scan# 4372

Delta R.T. 0.02 min

Lab File: BG041960.D

Acq: 5 Aug 2019 9:37

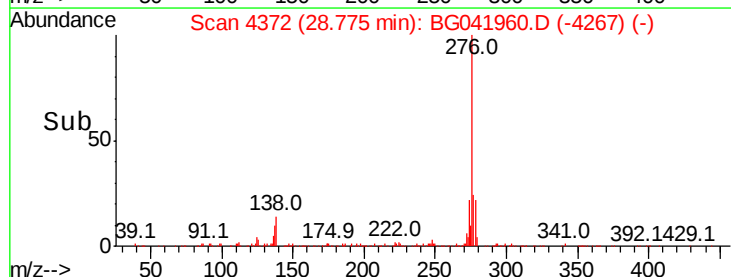
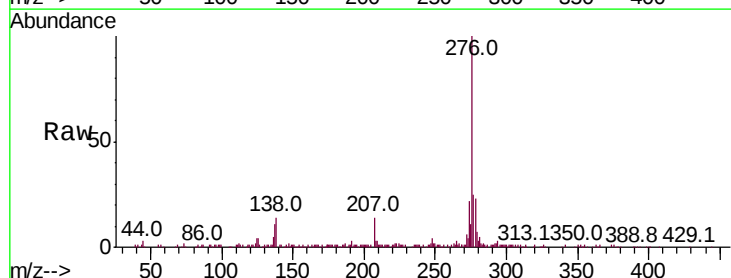
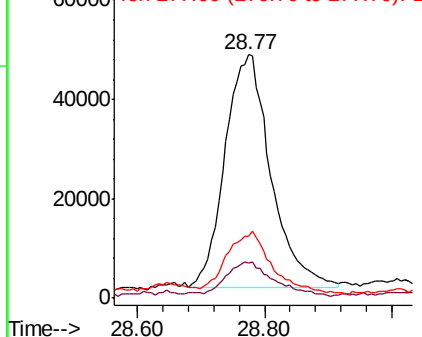
Tgt Ion:	276	Resp:	236009
Ion Ratio	Lower	Upper	
276	100		
138	14.4	12.0	18.0
277	25.3	19.2	28.8

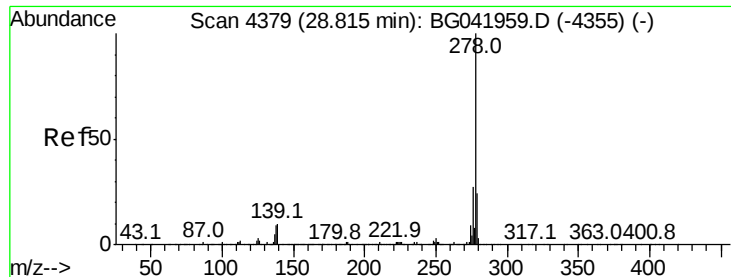
Abundance

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





#92

Dibenzo(a,h)anthracene

Concen: 3.999 ng/ul

RT: 28.82 min Scan# 4379

Delta R.T. -0.01 min

Lab File: BG041960.D

Acq: 5 Aug 2019 9:37

Instrument :

BNA_G

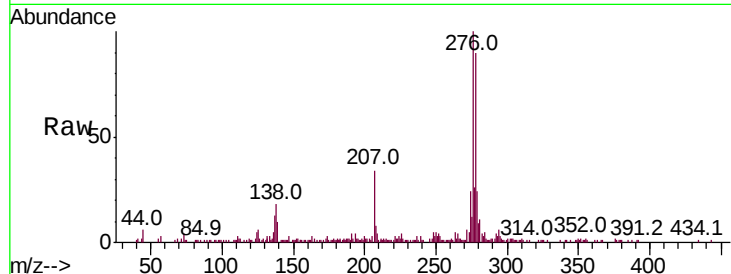
ClientSampled :

BENP1DL2

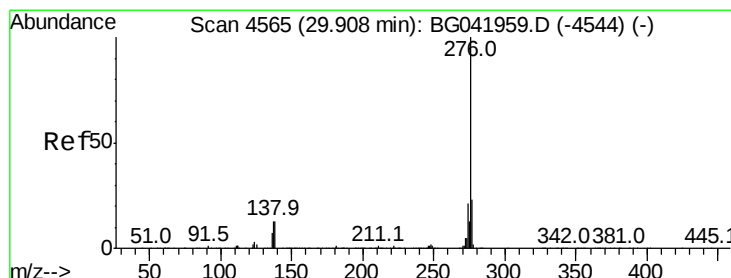
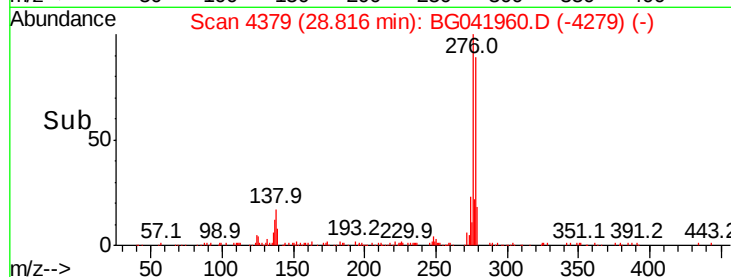
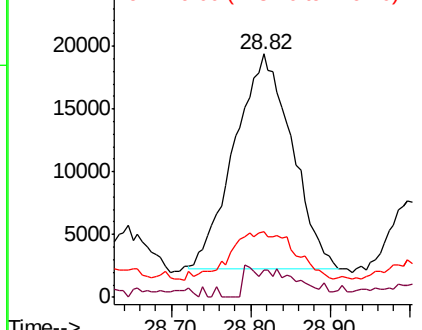
Tot Ion:	278	Resp:	86258
Ion Ratio	Lower	Upper	
278	100		
139	11.3	9.4	14.0
279	27.0	19.2	28.8

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 10.894 ng/ul

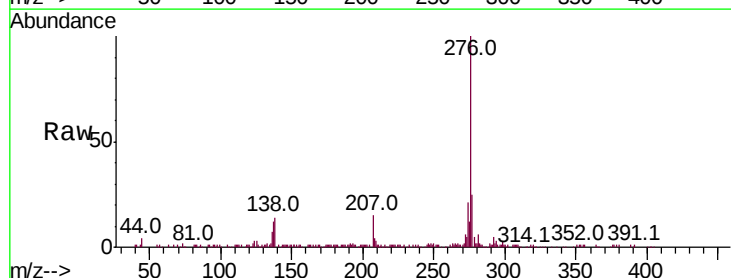
RT: 29.93 min Scan# 4568

Delta R.T. -0.00 min

Lab File: BG041960.D

Acq: 5 Aug 2019 9:37

Tgt Ion:	276	Resp:	240525
Ion Ratio	Lower	Upper	
276	100		
138	14.5	12.6	18.8
277	24.7	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

