

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041906.D
 Acq On : 3 Aug 2019 12:43
 Operator : HP/JU
 Sample : K3850-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENP4

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:17:50 PM

Quant Time: Aug 04 01:26:53 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	8.04	152	99111	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	409334	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	271420	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	532276	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	543585	20.00	ng/ul	0.02
85) Perylene-d12	25.02	264	627706m	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	5335	2.36	ng/uL	0.00
5) Phenol-d5	7.18	99	122403	15.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	70528	16.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	113692	17.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	96513	14.78	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	55704	18.08	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	68838	19.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	128386	17.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	41374	5.16	ng/ul	0.00
43) Dimethylphthalate-d6	14.10	166	389221	18.49	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	458375	19.06	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	48271	13.66	ng/ul	0.00
57) Fluorene-d10	15.69	176	341414	18.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	47067	13.78	ng/ul	0.01
70) Anthracene-d10	17.54	188	509732	19.96	ng/ul	0.00
78) Pyrene-d10	19.84	212	584496	19.27	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.80	264	638278	19.46	ng/ul	0.04

Target Compounds

					Ovalue	
28) Naphthalene	10.91	128	49352	2.358	ng/ul	99
34) 2-Methylnaphthalene	12.52	142	61219	3.681	ng/ul	99
44) Dimethylphthalate	14.14	163	126628	6.058	ng/ul	99
49) Acenaphthene	14.76	153	157777	9.297	ng/ul	97
53) Dibenzofuran	15.09	168	42788	1.689	ng/ul	97
58) Fluorene	15.74	166	143862	7.052	ng/ul	97
69) Phenanthrene	17.49	178	2131734m	73.156	ng/ul	
71) Anthracene	17.58	178	604995	20.470	ng/ul	100
74) Carbazole	17.84	167	68595	2.802	ng/ul	95
75) Di-n-butylphthalate	18.41	149	985479	32.661	ng/ul	99
76) Fluoranthene	19.51	202	2487408	73.879	ng/ul#	93
79) Pyrene	19.87	202	3142886m	85.954	ng/ul	
82) Benzo(a)anthracene	21.72	228	2347786	62.293	ng/ul#	87
83) Bis(2-ethylhexyl)phthalate	21.64	149	4199789	213.871	ng/ul#	56
84) Chrysene	21.79	228	2480713	70.521	ng/ul#	86
86) Di-n-octyl phthalate	22.86	149	1183460m	38.106	ng/ul	
87) Benzo(b)fluoranthene	24.00	252	2315242	58.775	ng/ul	95
88) Benzo(k)fluoranthene	24.05	252	933063m	24.635	ng/ul	
90) Benzo(a)pyrene	24.88	252	2011226	53.580	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	28.78	276	844698	19.293	ng/ul	97
92) Dibenzo(a,h)anthracene	28.81	278	292237	8.183	ng/ul	94
93) Benzo(a,h,i)perylene	29.95	276	751394	20.556	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

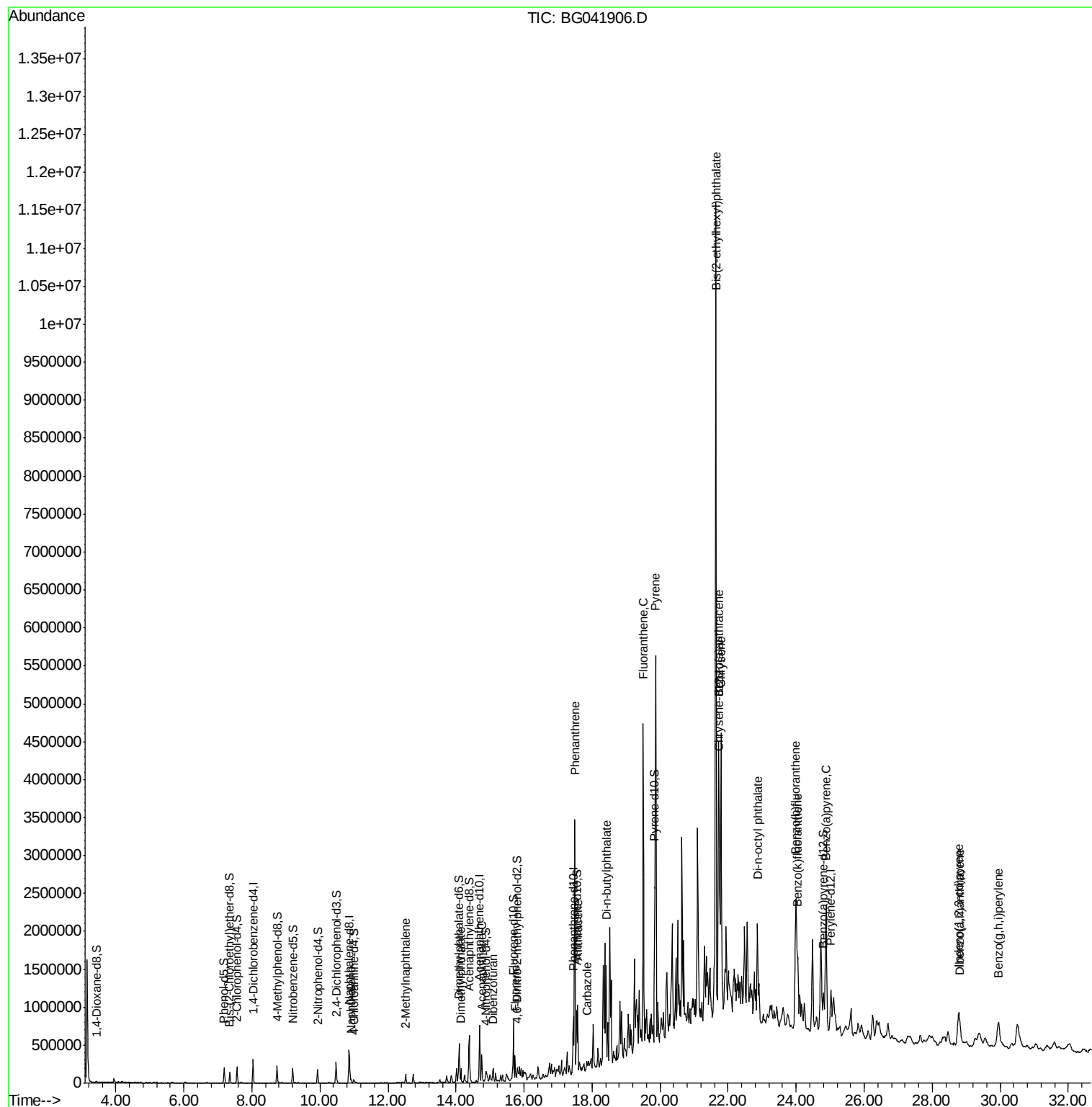
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041906.D
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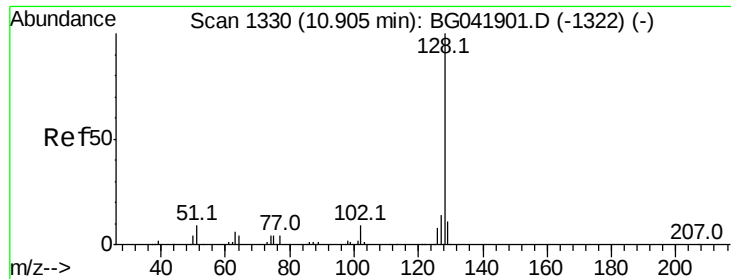
Instrument :
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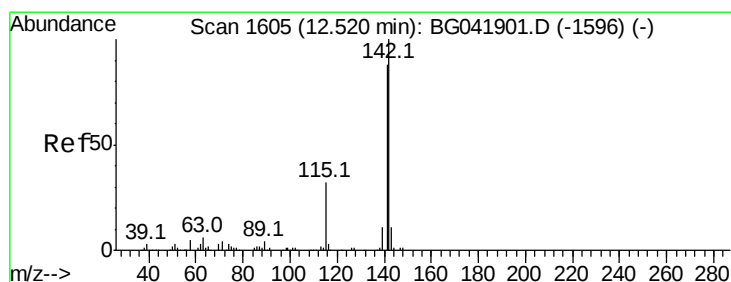
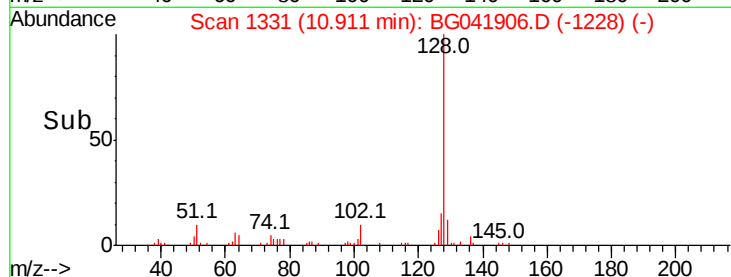
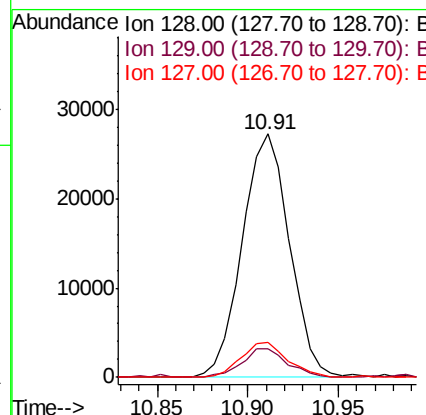
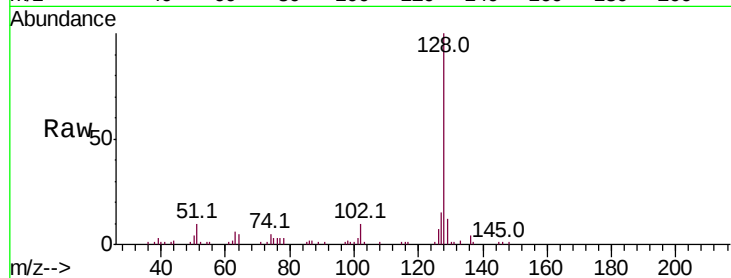
#28
Naphthalene
Concen: 2.358 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BG041906.D
Acq: 3 Aug 2019 12:43

Instrument :
BNA_G
ClientSampleId :
BENP4

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.5	14.3
127	14.5	11.4	17.0

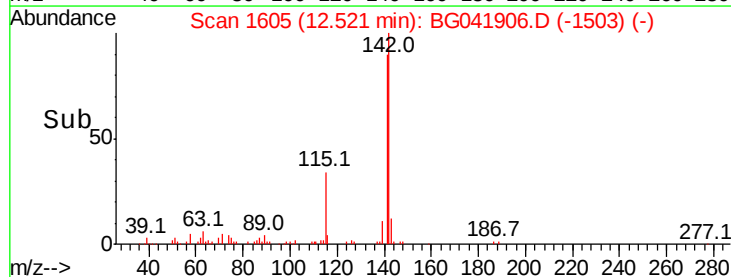
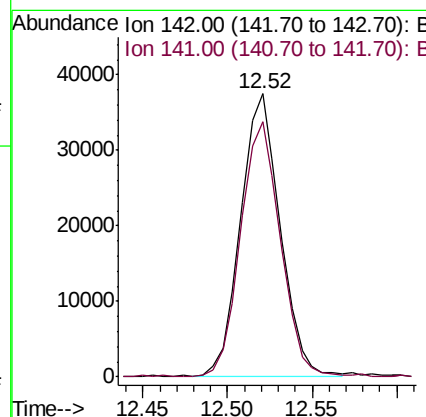
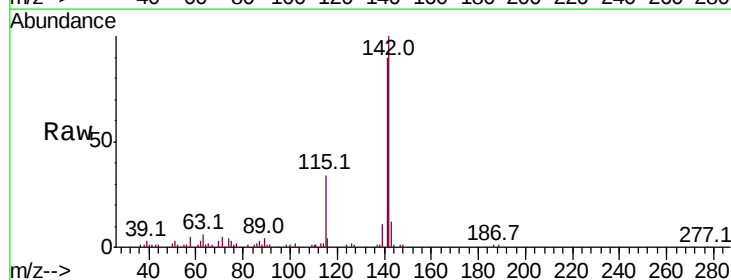
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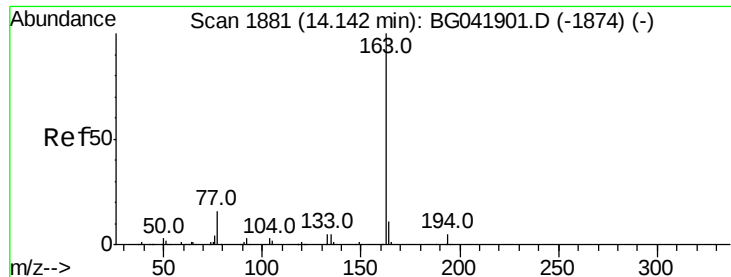
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#34
2-Methylnaphthalene
Concen: 3.681 ng/ul
RT: 12.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BG041906.D
Acq: 3 Aug 2019 12:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.9	109.3





#44

Dimethylphthalate

Concen: 6.058 ng/ul

RT: 14.14 min Scan# 1881

Delta R.T. 0.00 min

Lab File: BG041906.D

Acq: 3 Aug 2019 12:43

Instrument :

BNA_G

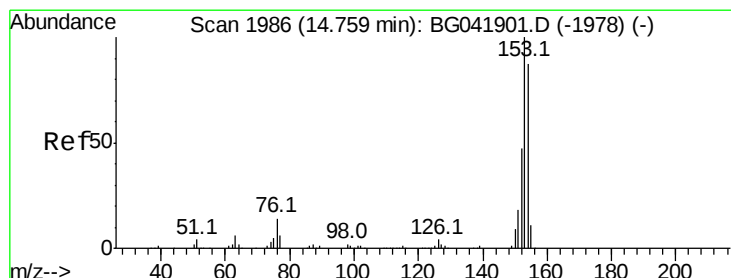
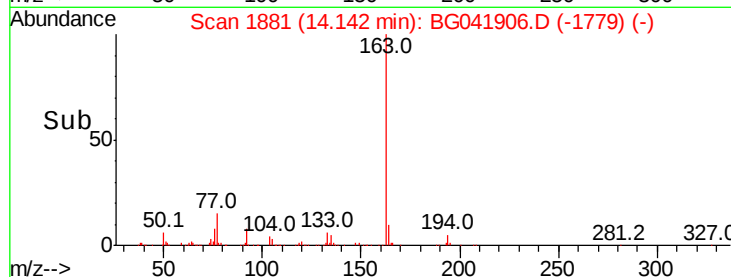
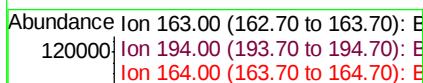
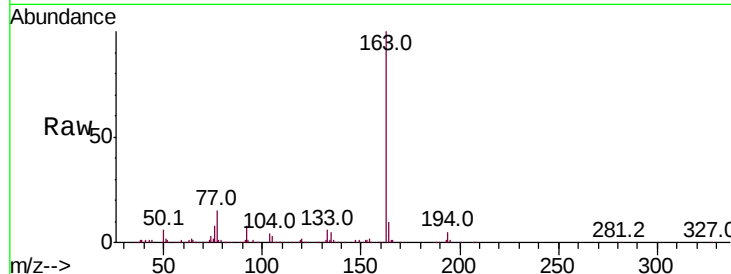
ClientSampleId :

BENP4

Tot Ion:	163	Resp:	126628
Ion Ratio	Lower	Upper	
163	100		
194	5.0	4.2	6.2
164	10.1	7.8	11.8

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#49

Acenaphthene

Concen: 9.297 ng/ul

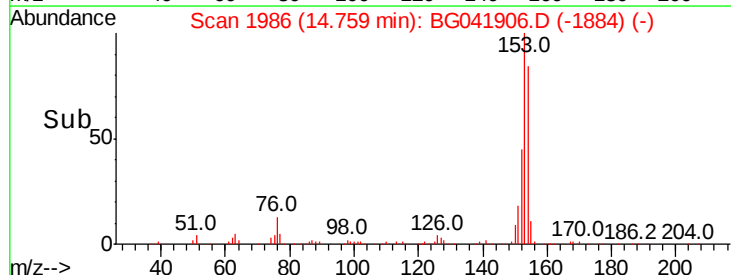
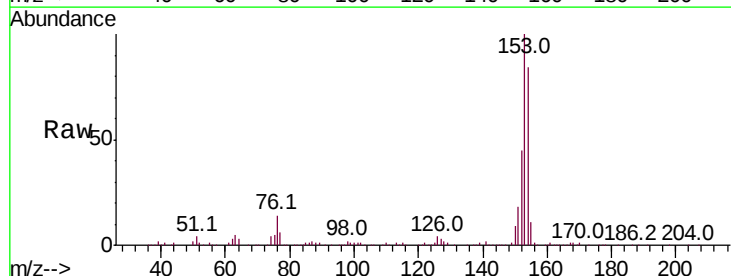
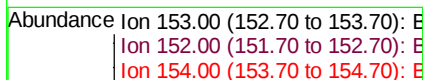
RT: 14.76 min Scan# 1986

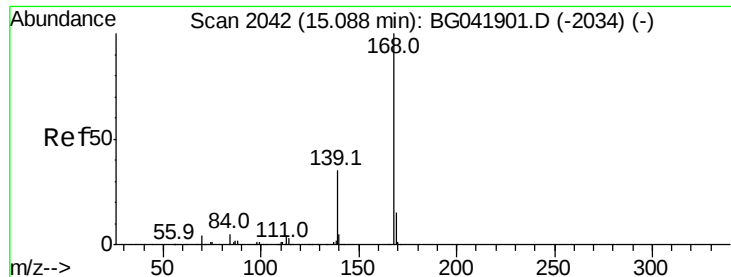
Delta R.T. 0.00 min

Lab File: BG041906.D

Acq: 3 Aug 2019 12:43

Tgt Ion:	153	Resp:	157777
Ion Ratio	Lower	Upper	
153	100		
152	45.2	37.8	56.8
154	84.2	69.4	104.2





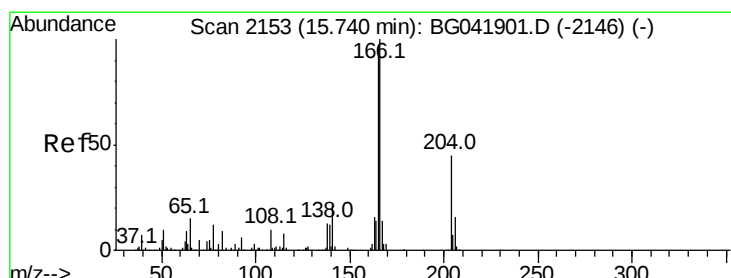
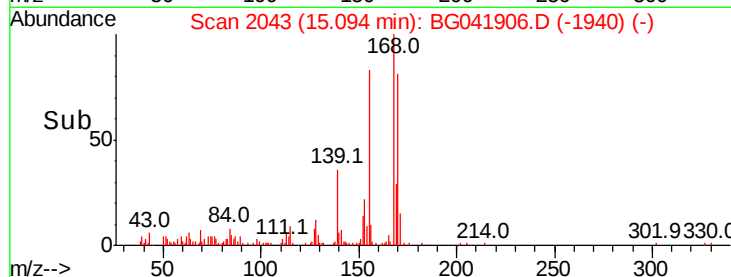
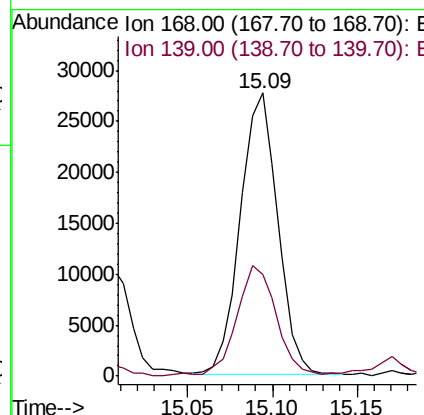
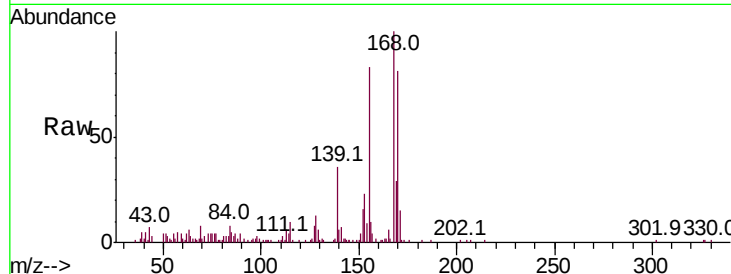
#53
Dibenzenofuran
Concen: 1.689 ng/ul
RT: 15.09 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BG041906.D
Acq: 3 Aug 2019 12:43

Instrument :
BNA_G
ClientSampled :
BENP4

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.8	27.3	40.9

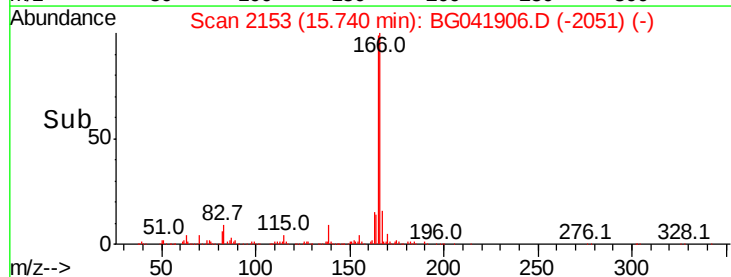
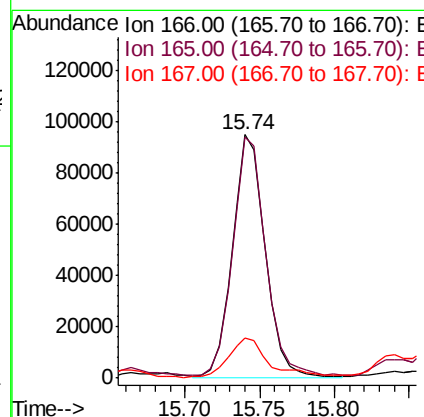
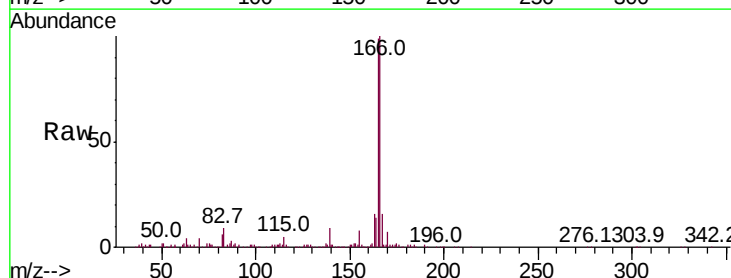
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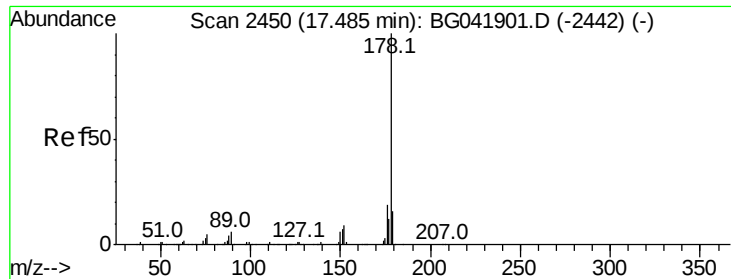
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#58
Fluorene
Concen: 7.052 ng/ul
RT: 15.74 min Scan# 2153
Delta R.T. 0.00 min
Lab File: BG041906.D
Acq: 3 Aug 2019 12:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	81.1	121.7
167	16.3	11.0	16.4





#69

Phenanthrene

Concen: 73.156 ng/ul m

RT: 17.49 min Scan# 2451

Delta R.T. 0.01 min

Lab File: BG041906.D

Acq: 3 Aug 2019 12:43

Instrument :

BNA_G

ClientSampleId :

BENP4

Tot Ion:178 Resp: 2131734

Ion Ratio Lower Upper

178 100

179 20.8 12.8 19.2#

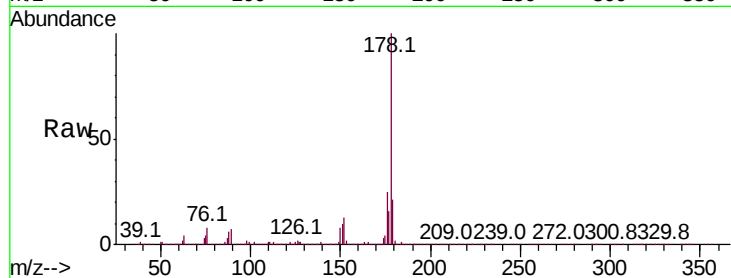
176 25.3 15.4 23.2#

Manual Integrations

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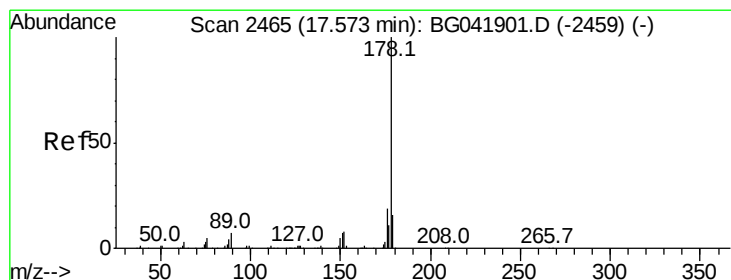
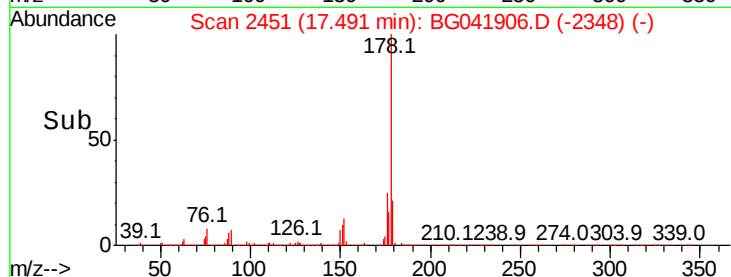
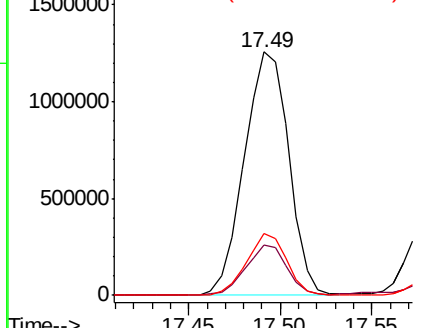
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 20.470 ng/ul

RT: 17.58 min Scan# 2466

Delta R.T. 0.01 min

Lab File: BG041906.D

Acq: 3 Aug 2019 12:43

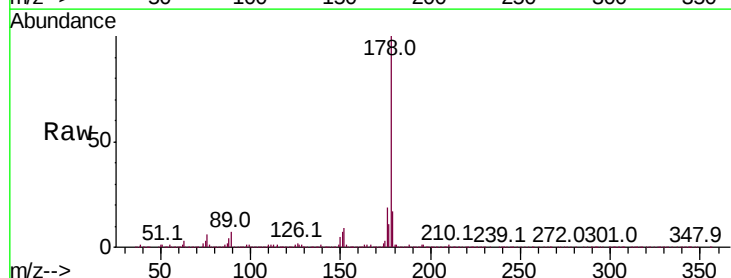
Tgt Ion:178 Resp: 604995

Ion Ratio Lower Upper

178 100

179 16.9 13.4 20.0

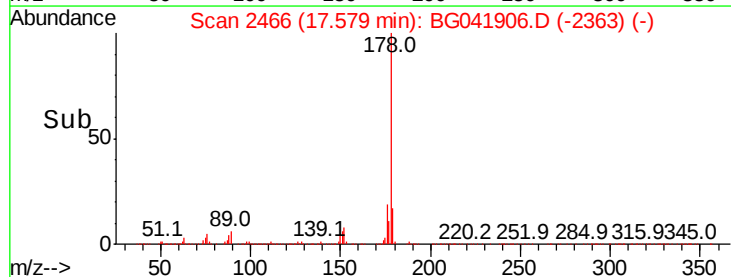
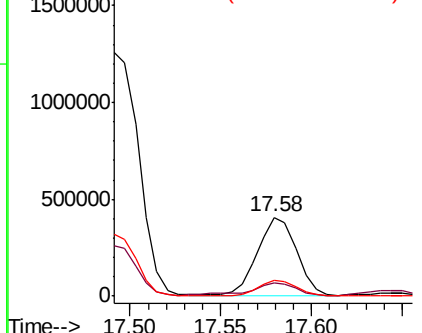
176 19.5 15.4 23.2

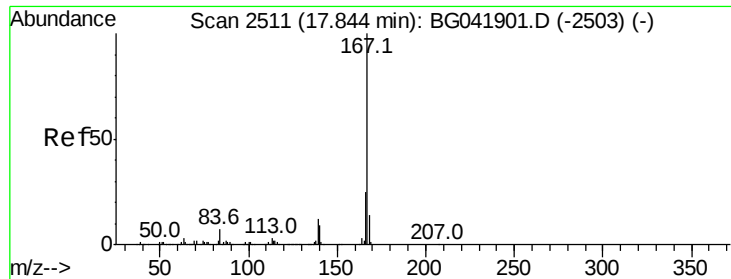


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 2.802 ng/ul

RT: 17.84 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG041906.D

Acq: 3 Aug 2019 12:43

Instrument :

BNA_G

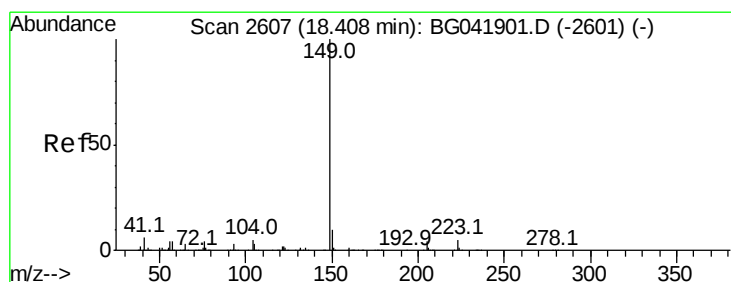
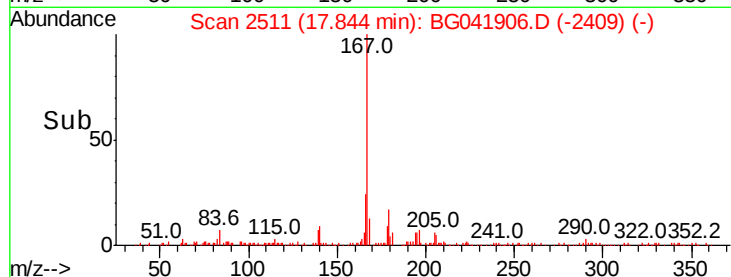
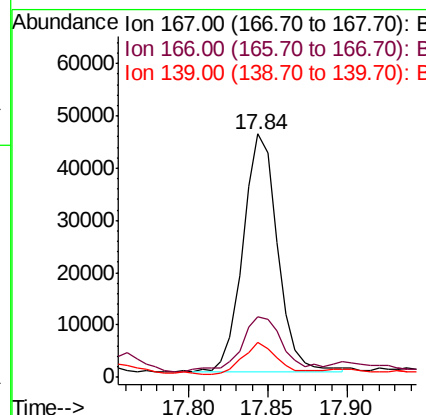
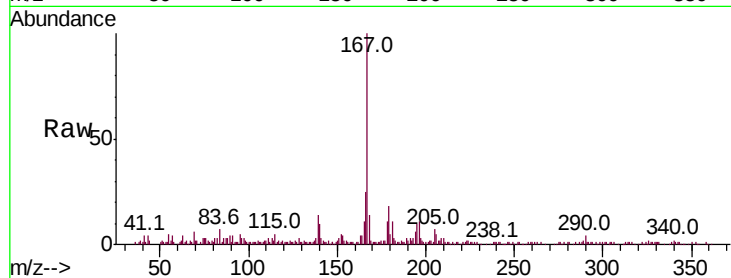
ClientSampleId :

BENP4

Tot Ion:	167	Resp:	68595
Ion Ratio	Lower	Upper	
167	100		
166	25.1	18.2	27.4
139	14.3	9.6	14.4

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#75

Di-n-butylphthalate

Concen: 32.661 ng/ul

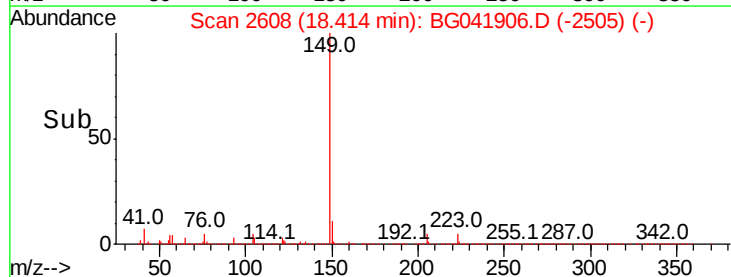
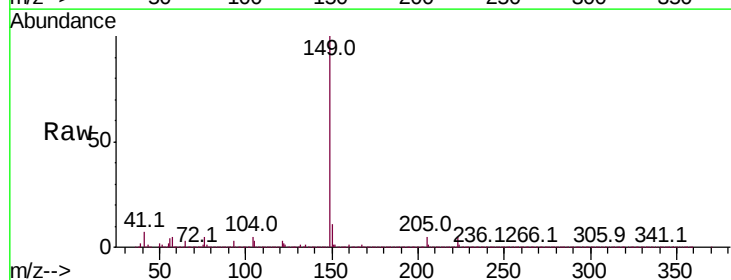
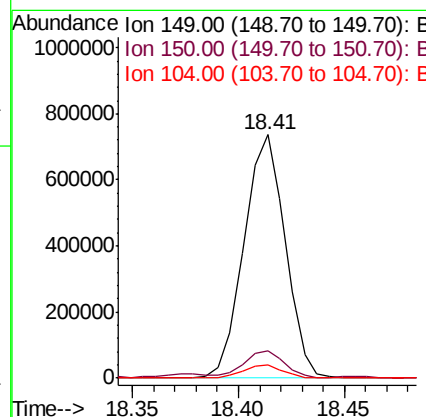
RT: 18.41 min Scan# 2608

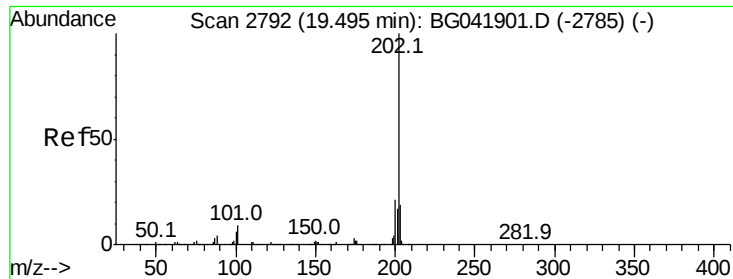
Delta R.T. 0.01 min

Lab File: BG041906.D

Acq: 3 Aug 2019 12:43

Tgt Ion:	149	Resp:	985479
Ion Ratio	Lower	Upper	
149	100		
150	11.0	8.3	12.5
104	5.4	3.9	5.9





#76

Fluoranthene

Concen: 73.879 ng/ul

RT: 19.51 min Scan# 2794

Delta R.T. 0.01 min

Lab File: BG041906.D

Acq: 3 Aug 2019 12:43

Instrument :

BNA_G

ClientSampleId :

BENP4

Tot Ion:202 Resp: 2487408

Ion Ratio Lower Upper

202 100

101 11.1 6.7 10.1#

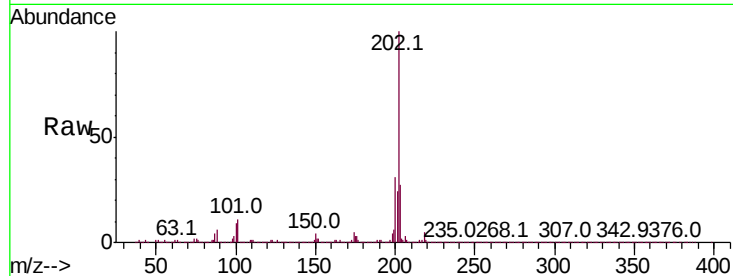
100 8.6 5.3 7.9#

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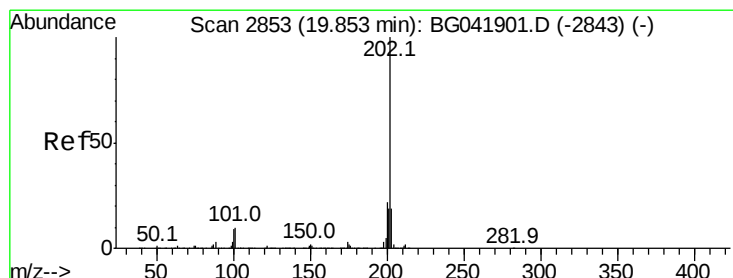
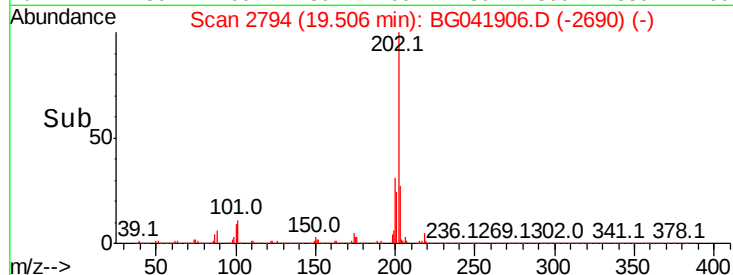
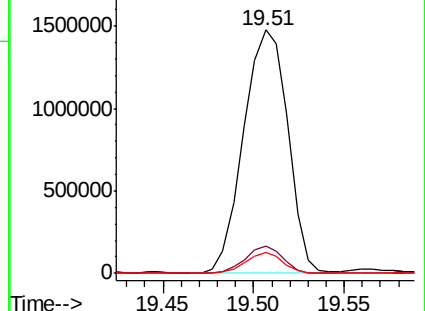
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 85.954 ng/ul m

RT: 19.87 min Scan# 2856

Delta R.T. 0.02 min

Lab File: BG041906.D

Acq: 3 Aug 2019 12:43

Tgt Ion:202 Resp: 3142886

Ion Ratio Lower Upper

202 100

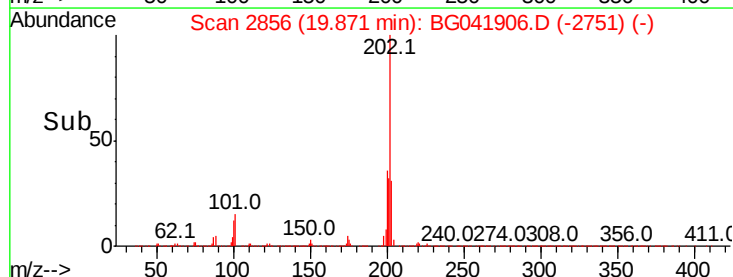
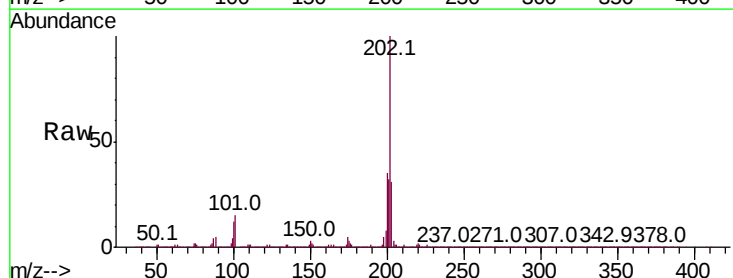
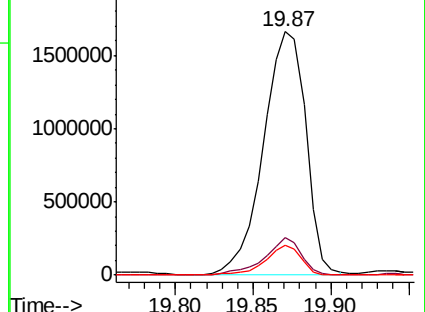
101 15.2 7.6 11.4#

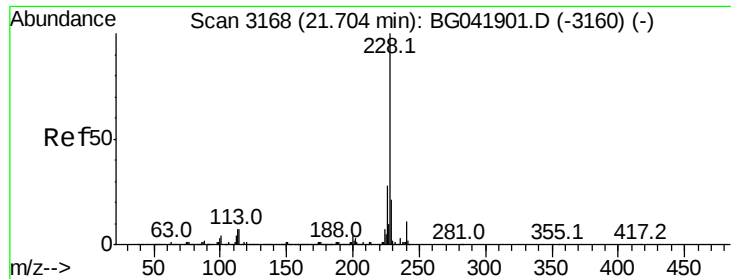
100 12.4 6.5 9.7#

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: 62.293 ng/ul

RT: 21.72 min Scan# 3171

Delta R.T. 0.02 min

Lab File: BG041906.D

Acq: 3 Aug 2019 12:43

Instrument :

BNA_G

ClientSampleId :

BENP4

Tot Ion:228 Resp: 2347786

Ion Ratio Lower Upper

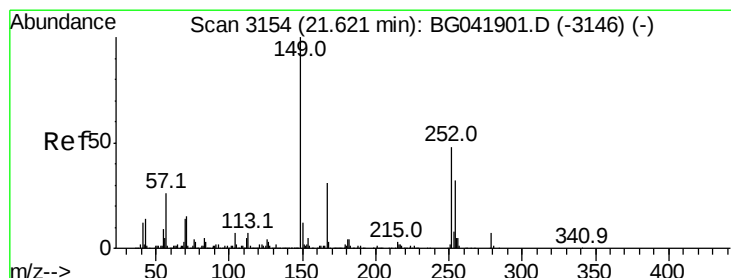
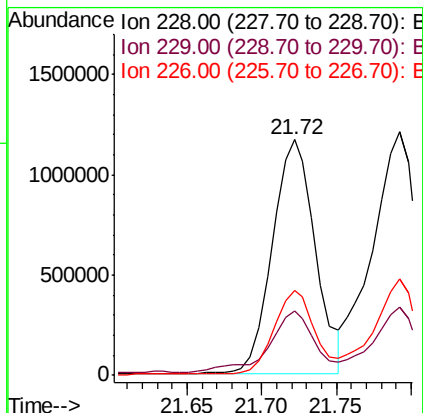
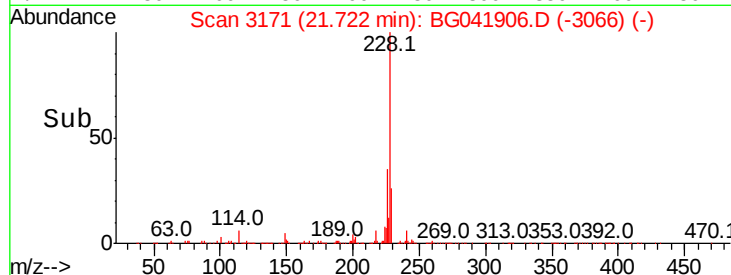
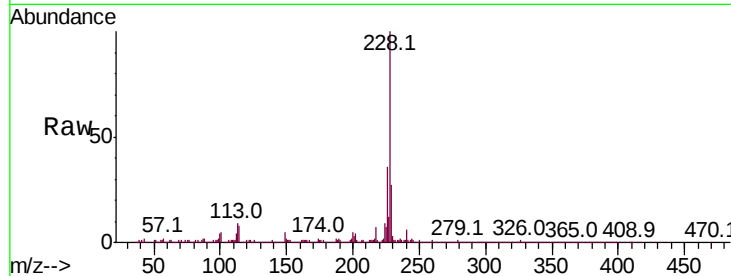
228 100

229 27.5 17.0 25.6#

226 35.9 23.3 34.9#

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#83

Bis(2-ethylhexyl)phthalate

Concen: 213.871 ng/ul

RT: 21.64 min Scan# 3157

Delta R.T. 0.02 min

Lab File: BG041906.D

Acq: 3 Aug 2019 12:43

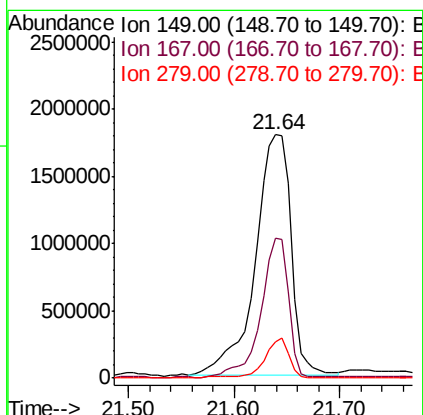
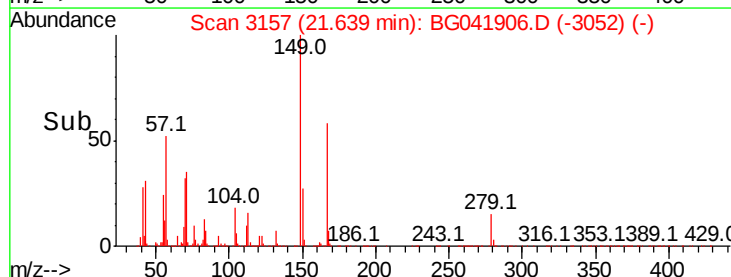
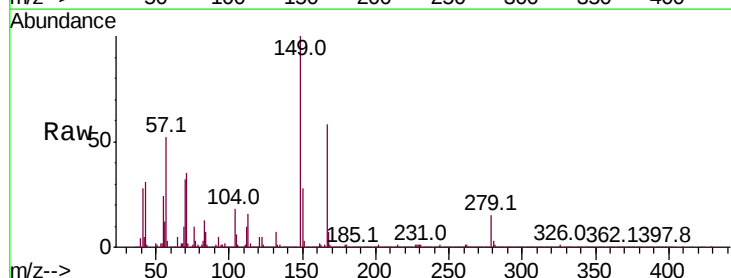
Tgt Ion:149 Resp: 4199789

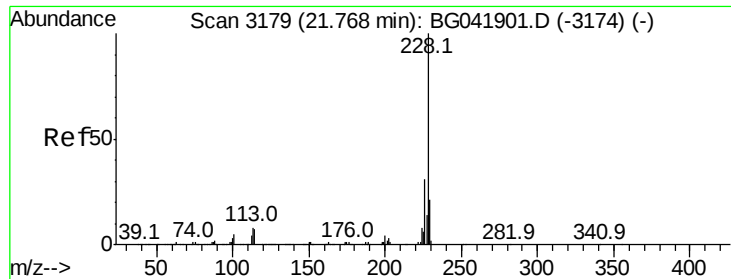
Ion Ratio Lower Upper

149 100

167 57.6 25.0 37.4#

279 14.8 5.2 7.8#





#84

Chrysene

Concen: 70.521 ng/ul

RT: 21.79 min Scan# 3183

Delta R.T. 0.02 min

Lab File: BG041906.D

Acq: 3 Aug 2019 12:43

Instrument :

BNA_G

ClientSampleId :

BENP4

Tot Ion:228 Resp: 2480713

Ion Ratio Lower Upper

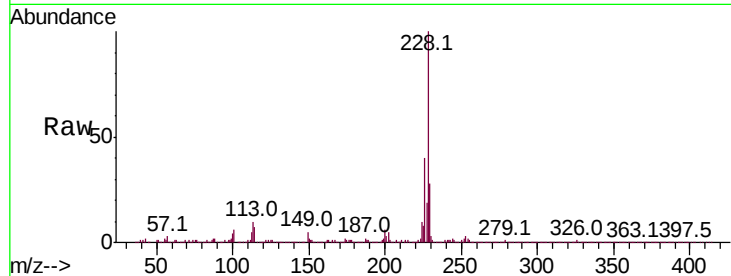
228 100

226 39.5 25.7 38.5#

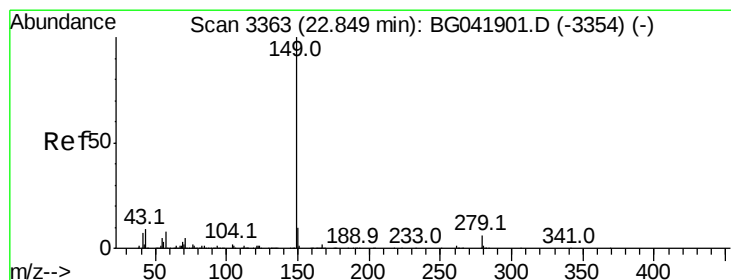
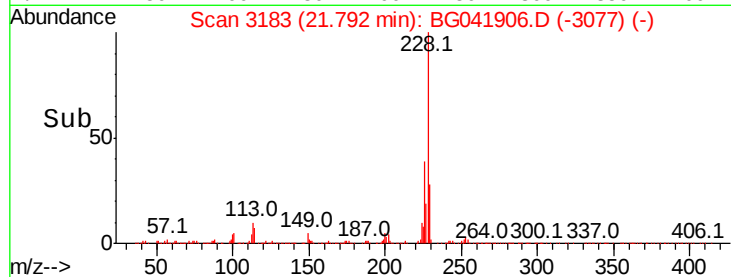
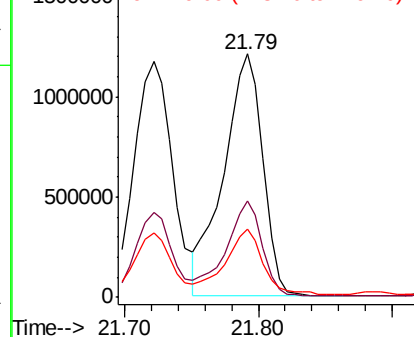
229 28.2 16.6 24.8#

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Di-n-octyl phthalate

Concen: 38.106 ng/ul m

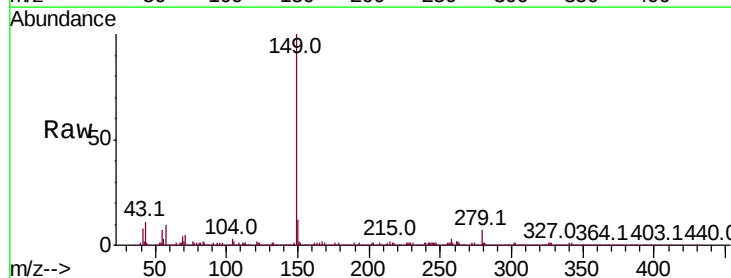
RT: 22.86 min Scan# 3365

Delta R.T. 0.01 min

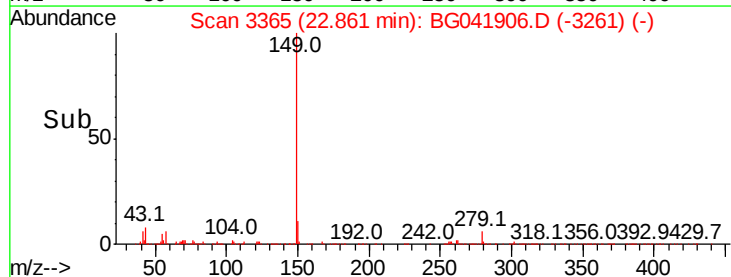
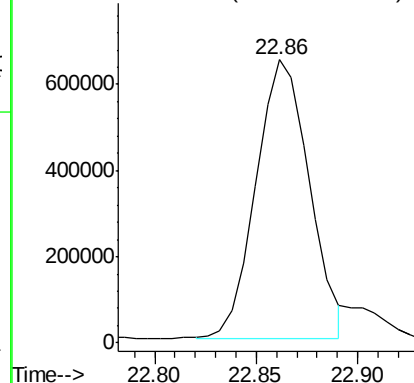
Lab File: BG041906.D

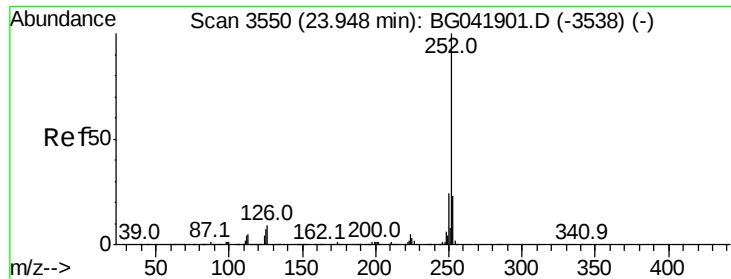
Acq: 3 Aug 2019 12:43

Tgt Ion:149 Resp: 1183460



Abundance Ion 149.00 (148.70 to 149.70): E





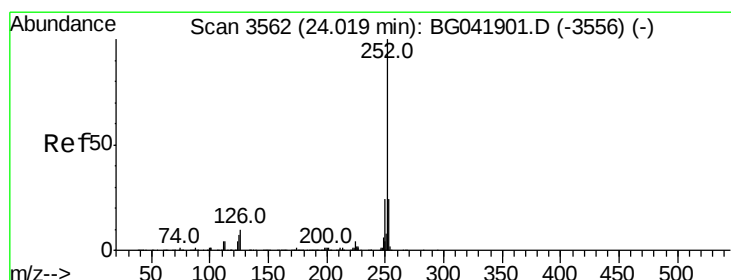
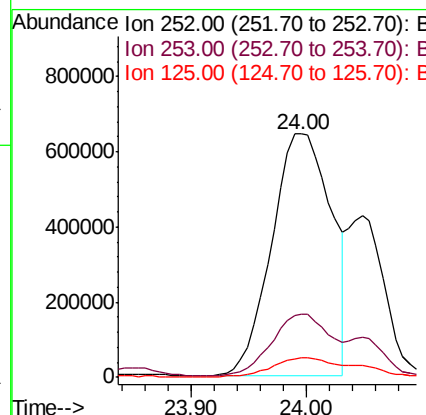
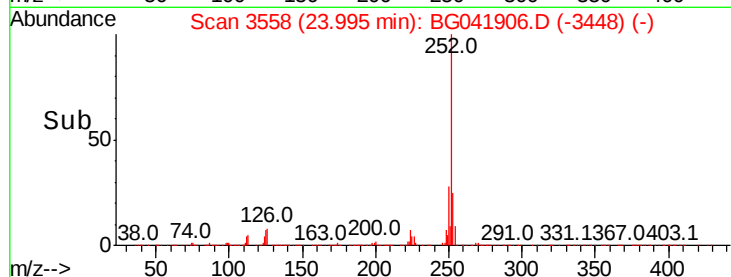
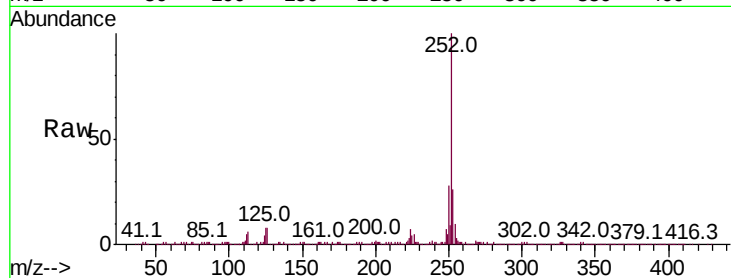
#87
Benzo(b)fluoranthene
Concen: 58.775 ng/ul
RT: 24.00 min Scan# 3558
Delta R.T. 0.05 min
Lab File: BG041906.D
Acq: 3 Aug 2019 12:43

Instrument :
BNA_G
ClientSampleId :
BENP4

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.4	27.6
125	7.9	5.8	8.8

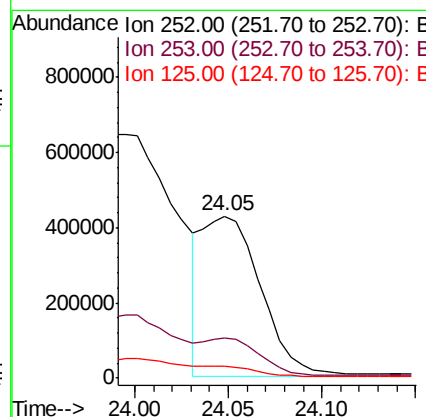
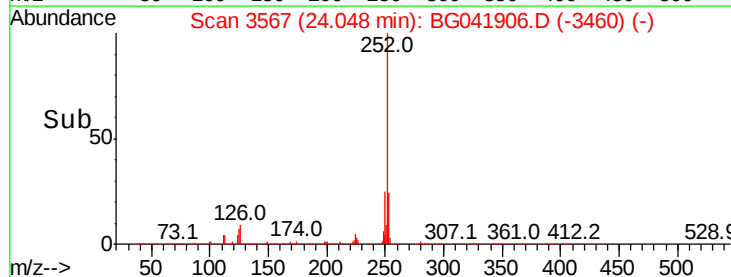
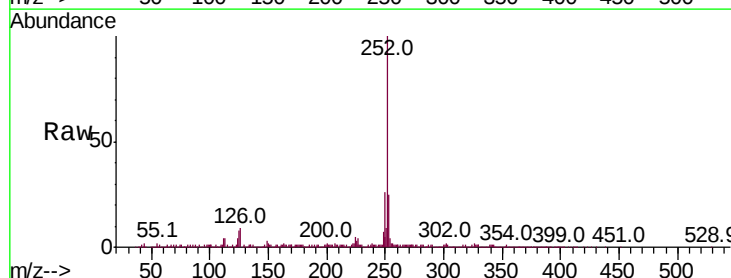
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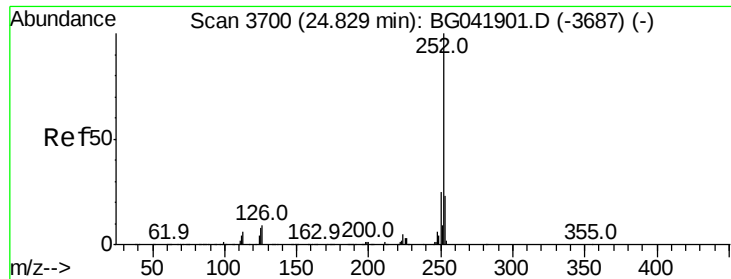
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#88
Benzo(k)fluoranthene
Concen: 24.635 ng/ul m
RT: 24.05 min Scan# 3567
Delta R.T. 0.03 min
Lab File: BG041906.D
Acq: 3 Aug 2019 12:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.3	27.5
125	7.6	5.5	8.3





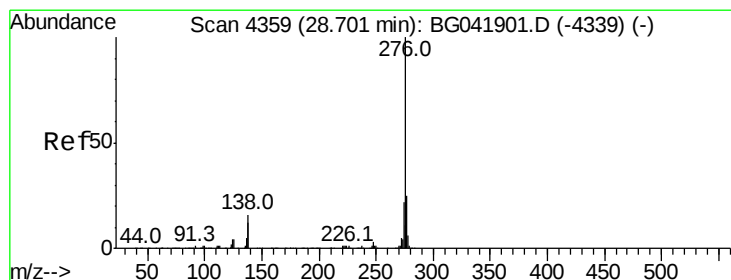
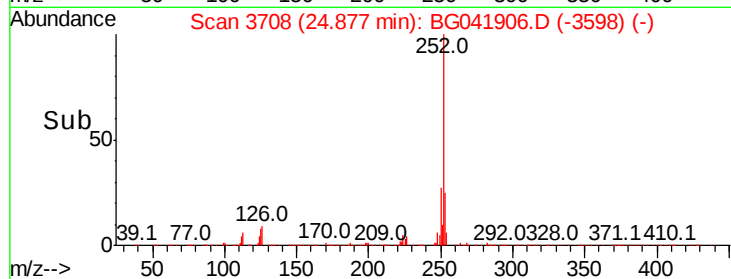
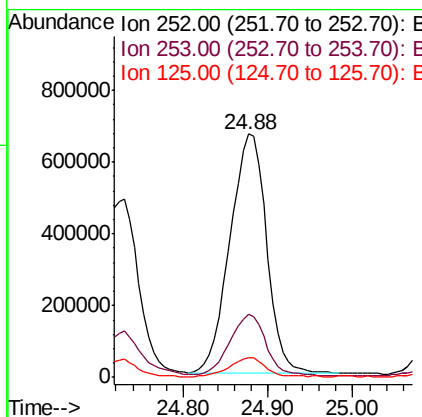
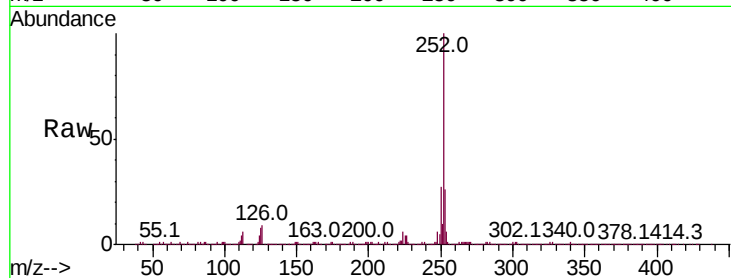
#90
Benzo(a)pyrene
Concen: 53.580 ng/ul
RT: 24.88 min Scan# 3708
Delta R.T. 0.05 min
Lab File: BG041906.D
Acq: 3 Aug 2019 12:43

Instrument :
BNA_G
ClientSampleId :
BENP4

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.3	27.5
125	8.2	6.5	9.7

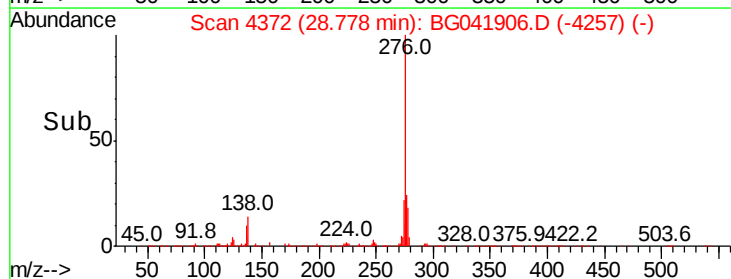
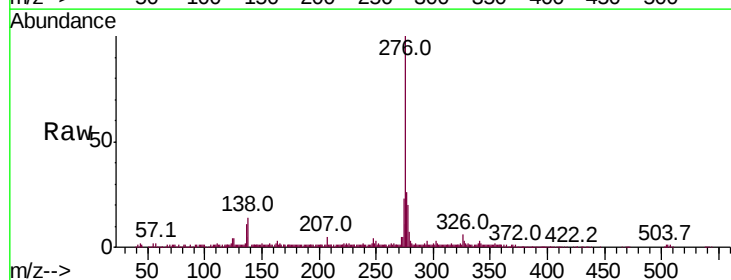
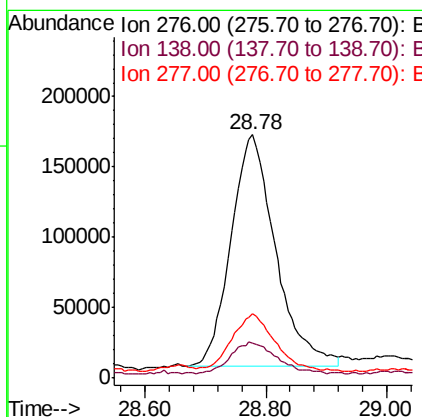
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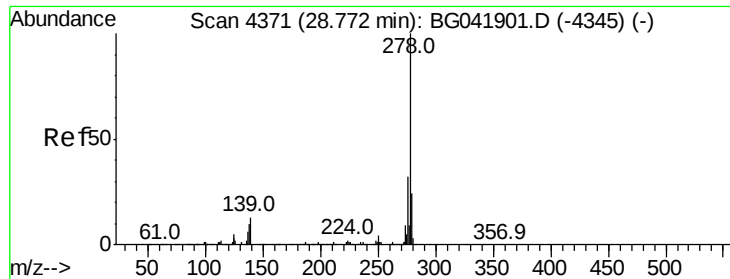
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#91
Indeno(1,2,3-cd)pyrene
Concen: 19.293 ng/ul
RT: 28.78 min Scan# 4372
Delta R.T. 0.08 min
Lab File: BG041906.D
Acq: 3 Aug 2019 12:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.4	12.0	18.0
277	26.2	19.2	28.8





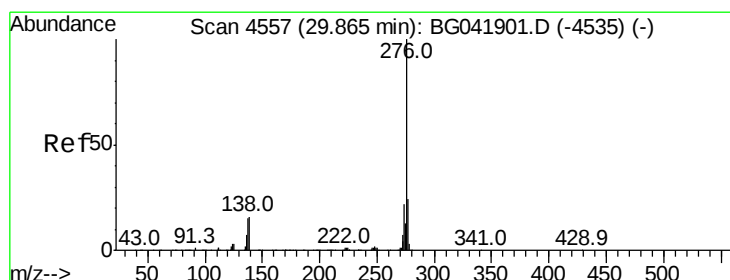
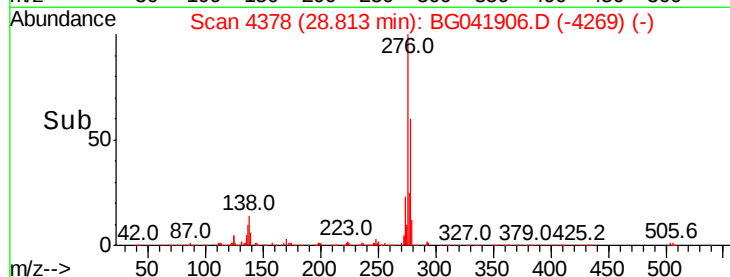
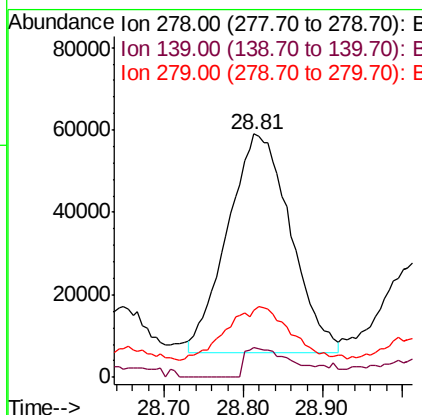
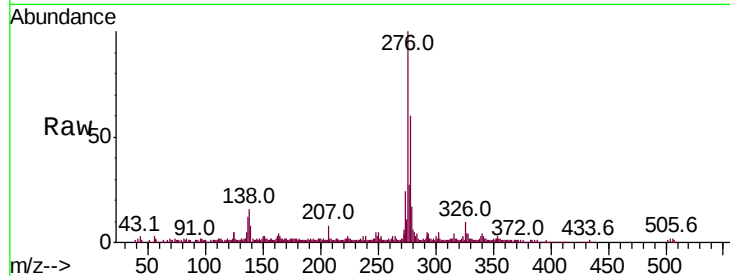
#92
Dibenzo(a,h)anthracene
Concen: 8.183 ng/ul
RT: 28.81 min Scan# 4378
Delta R.T. 0.04 min
Lab File: BG041906.D
Acq: 3 Aug 2019 12:43

Instrument :
BNA_G
ClientSampleId :
BENP4

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.5	9.4	14.0
279	27.6	19.2	28.8

Manual Integrations
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#93
Benzo(g,h,i)perylene
Concen: 20.556 ng/ul
RT: 29.95 min Scan# 4572
Delta R.T. 0.09 min
Lab File: BG041906.D
Acq: 3 Aug 2019 12:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.9	12.6	18.8
277	25.3	19.2	28.8

