

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041935.D
 Acq On : 4 Aug 2019 9:56
 Operator : HP/JU
 Sample : K3850-01DL 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 BENPDL

Manual Integrations
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 8/6/2019 12:18:16 PM

Quant Time: Aug 05 01:34:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 01:19:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	96083	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	402636	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	276570	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	580371	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	570431	20.00	ng/ul	0.00
85) Perylene-d12	25.01	264	669654	20.00	ng/ul	0.00

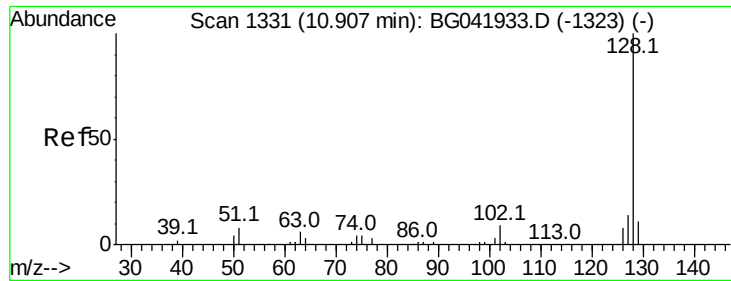
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	2890	1.32	ng/uL	0.00
5) Phenol-d5	7.18	99	55218	7.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	37717	8.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	57381	8.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	42765	6.76	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	29320	9.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	34707	9.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	60518	8.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	25142	3.19	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	208014	9.70	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	244294	9.97	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	16689	4.63	ng/ul	0.00
57) Fluorene-d10	15.69	176	186722	9.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	15110	4.06	ng/ul	0.00
70) Anthracene-d10	17.54	188	280215	10.06	ng/ul	0.00
78) Pyrene-d10	19.84	212	317953	9.99	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.78	264	344264	9.84	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.91	128	53488	2.599 ng/ul	99
34) 2-Methylnaphthalene	12.52	142	54751	3.347 ng/ul	95
40) 1,1'-Biphenyl	13.53	154	22405	1.114 ng/ul	97
44) Dimethylphthalate	14.14	163	63481	2.981 ng/ul	98
49) Acenaphthene	14.76	153	147825	8.549 ng/ul	99
53) Dibenzofuran	15.09	168	93684	3.630 ng/ul	100
58) Fluorene	15.74	166	134366	6.464 ng/ul	96
69) Phenanthrene	17.49	178	1530367	48.166 ng/ul	94
71) Anthracene	17.58	178	419863	13.029 ng/ul	100
74) Carbazole	17.84	167	77787	2.914 ng/ul	98
76) Fluoranthene	19.50	202	1830131	49.853 ng/ul	97
79) Pyrene	19.87	202	2100941m	54.754 ng/ul	
82) Benzo(a)anthracene	21.71	228	1289648	32.607 ng/ul	96
84) Chrysene	21.78	228	1265134	34.272 ng/ul	95
87) Benzo(b)fluoranthene	23.97	252	1234154	29.368 ng/ul	98
88) Benzo(k)fluoranthene	24.03	252	464917m	11.506 ng/ul	
90) Benzo(a)pyrene	24.85	252	1048987	26.195 ng/ul	97
91) Indeno(1,2,3-cd)pyrene	28.75	276	514733	11.020 ng/ul	97
92) Dibenzo(a,h)anthracene	28.78	278	159138m	4.177 ng/ul	
93) Benzo(g,h,i)perylene	29.91	276	508461	13.038 ng/ul	99

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



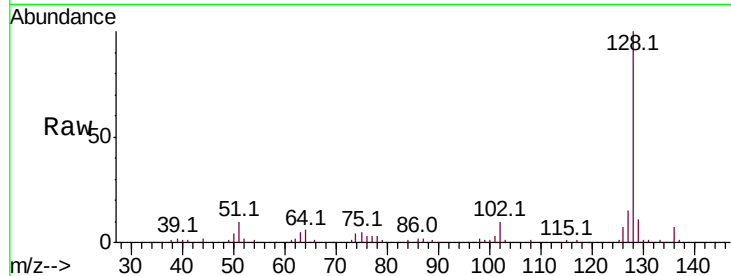
#28
Naphthalene
Concen: 2.599 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG041935.D
Acq: 4 Aug 2019 9:56

Instrument :
BNA_G
ClientSampleId :
BENPODL

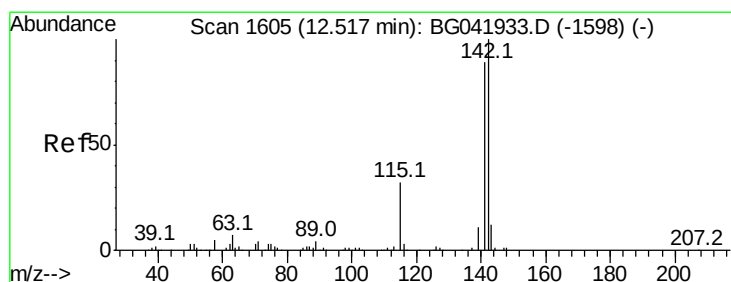
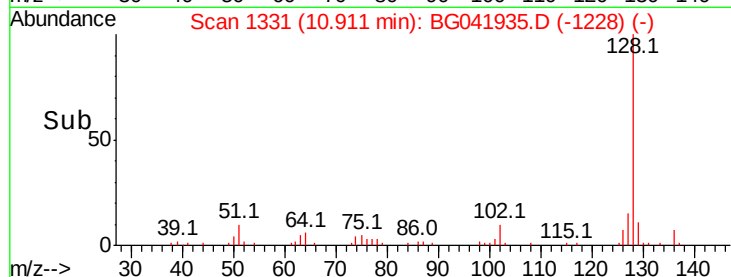
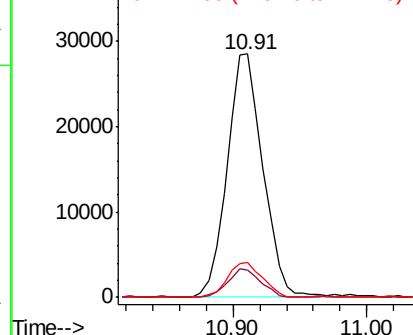
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.5	14.3
127	14.5	11.4	17.0

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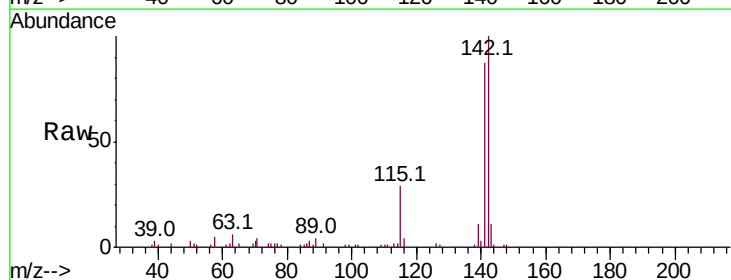


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

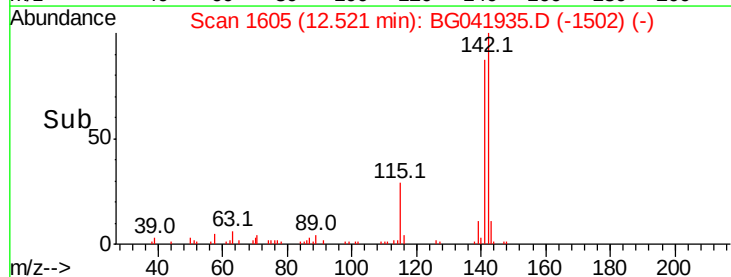
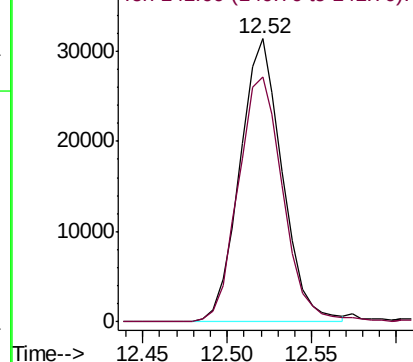


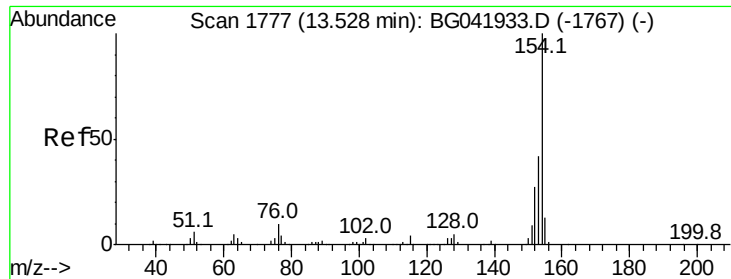
#34
2-Methylnaphthalene
Concen: 3.347 ng/ul
RT: 12.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BG041935.D
Acq: 4 Aug 2019 9:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.6	72.9	109.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





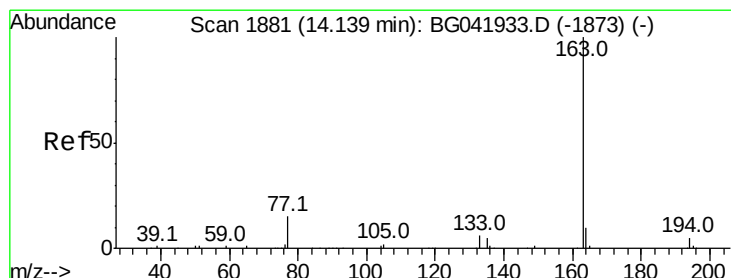
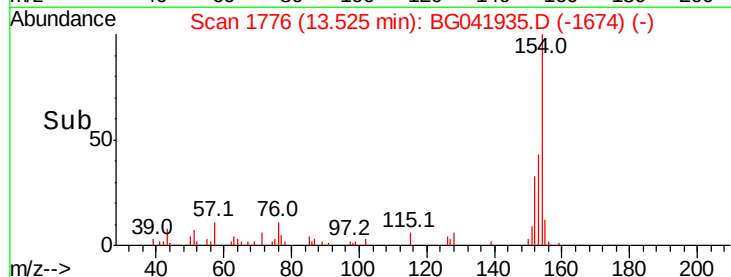
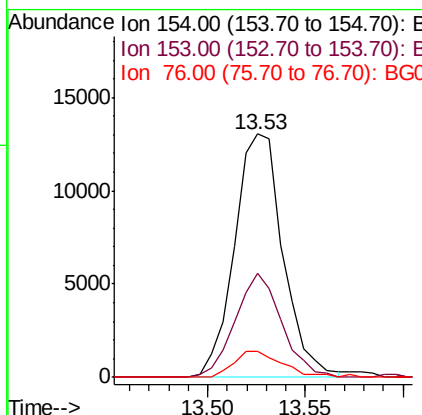
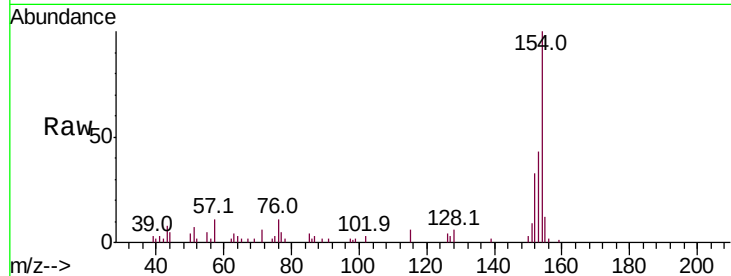
#40
1,1'-Biphenyl
Concen: 1.114 ng/ul
RT: 13.53 min Scan# 1776
Delta R.T. -0.00 min
Lab File: BG041935.D
Acq: 4 Aug 2019 9:56

Instrument :
BNA_G
ClientSampleId :
BENPODL

Tot Ion:	154	Resp:	22405
Ion Ratio	Lower	Upper	
154	100		
153	42.7	32.6	48.8
76	10.6	8.6	13.0

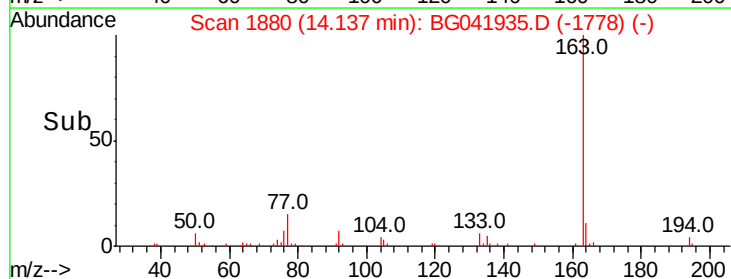
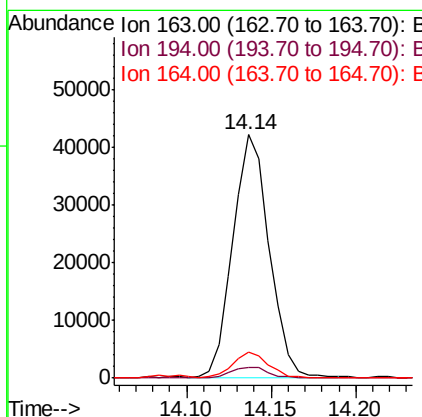
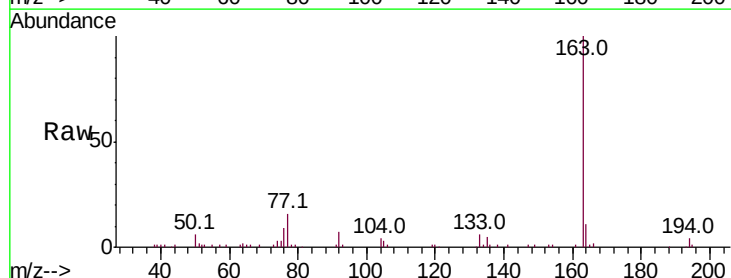
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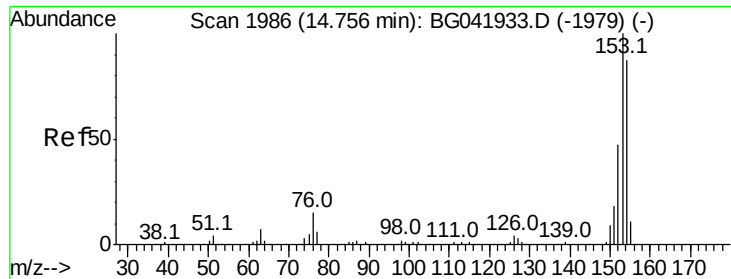
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#44
Dimethylphthalate
Concen: 2.981 ng/ul
RT: 14.14 min Scan# 1880
Delta R.T. -0.00 min
Lab File: BG041935.D
Acq: 4 Aug 2019 9:56

Tgt Ion:	163	Resp:	63481
Ion Ratio	Lower	Upper	
163	100		
194	4.4	4.2	6.2
164	10.7	7.8	11.8





#49

Acenaphthene

Concen: 8.549 ng/ul

RT: 14.76 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Instrument :

BNA_G

ClientSampleId :

BENPODL

Tot Ion:153 Resp: 147825

Ion Ratio Lower Upper

153 100

152 48.6 37.8 56.8

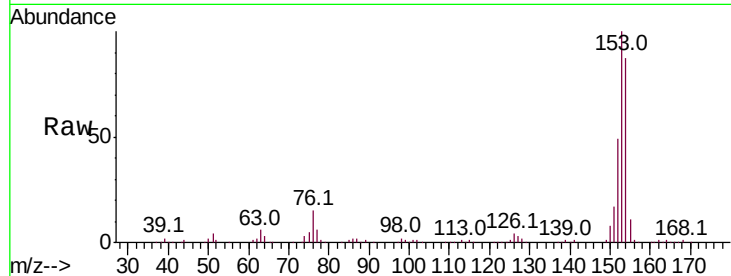
154 86.8 69.4 104.2

Manual Integrations

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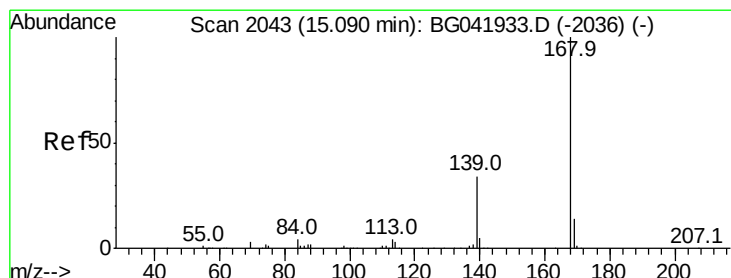
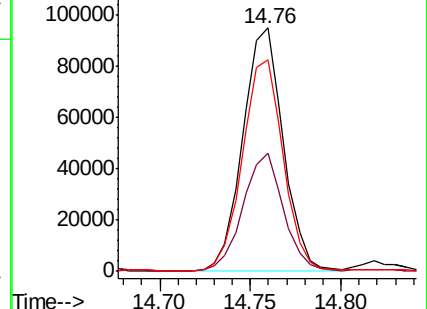
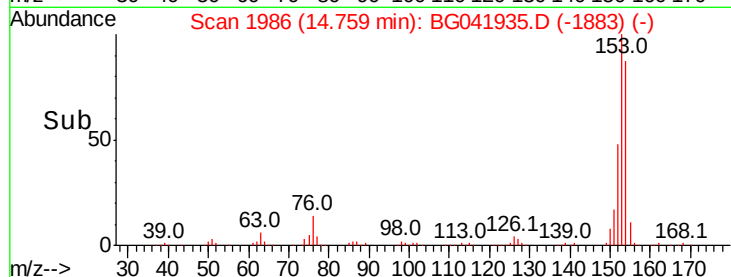
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 3.630 ng/ul

RT: 15.09 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BG041935.D

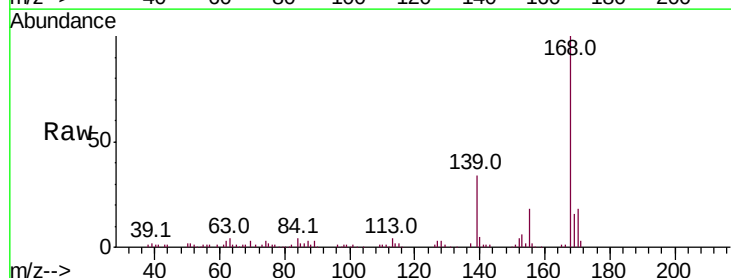
Acq: 4 Aug 2019 9:56

Tgt Ion:168 Resp: 93684

Ion Ratio Lower Upper

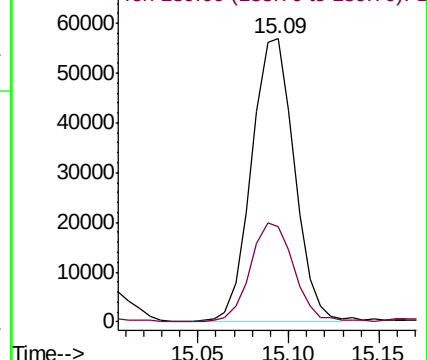
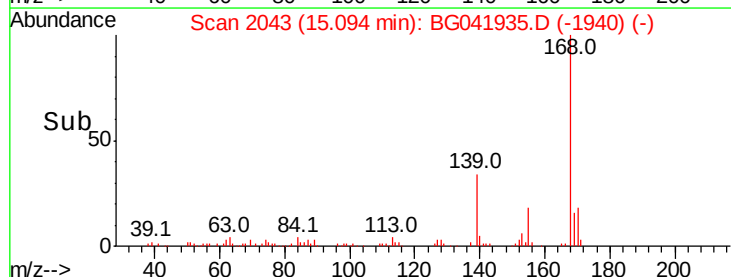
168 100

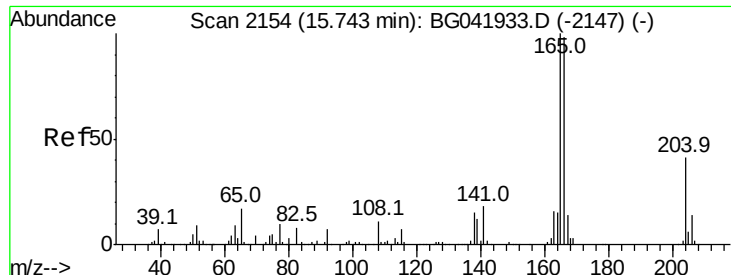
139 33.8 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





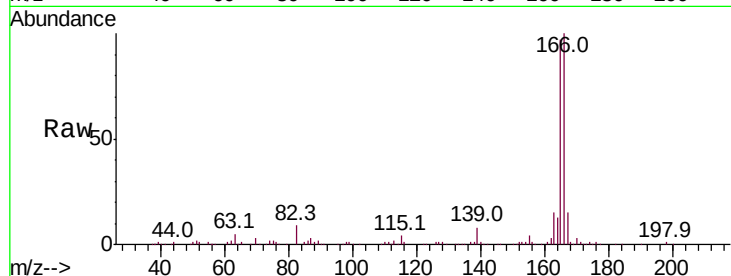
#58
 Fluorene
 Concen: 6.464 ng/ul
 RT: 15.74 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: BG041935.D
 Acq: 4 Aug 2019 9:56

Instrument :
 BNA_G
 ClientSampleId :
 BENP0DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	134366		
165	97.1	81.1	121.7	
167	14.7	11.0	16.4	

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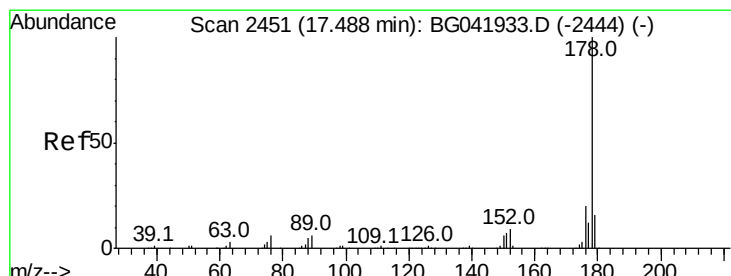
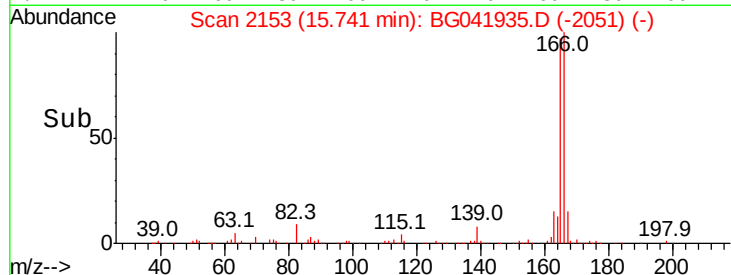
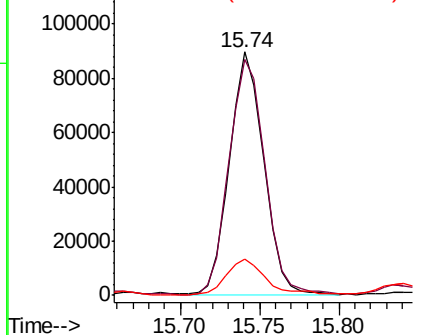


Abundance

Ion 166.00 (165.70 to 166.70): E

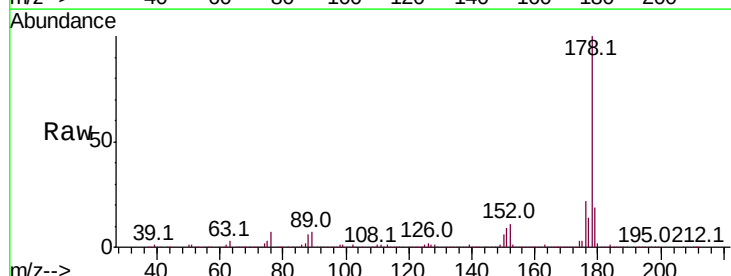
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69
 Phenanthrene
 Concen: 48.166 ng/ul
 RT: 17.49 min Scan# 2451
 Delta R.T. 0.00 min
 Lab File: BG041935.D
 Acq: 4 Aug 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1530367		
179	18.5	12.8	19.2	
176	22.3	15.4	23.2	

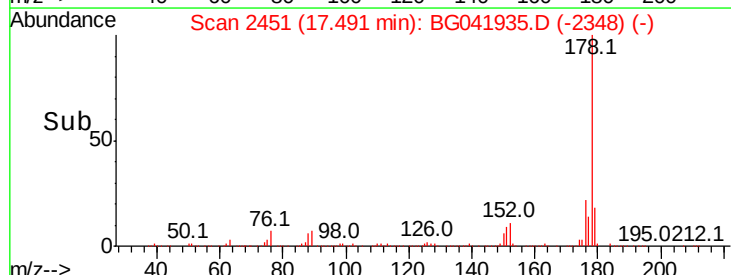
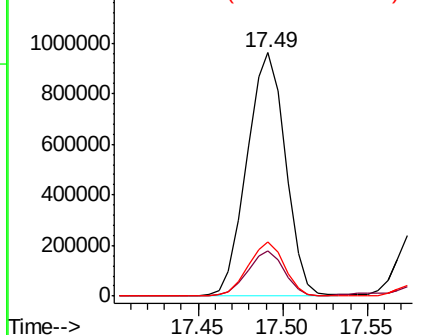


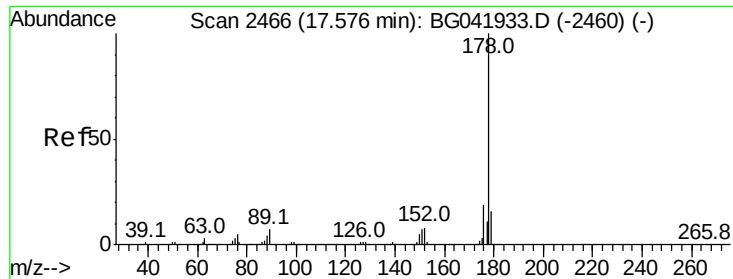
Abundance

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





#71

Anthracene

Concen: 13.029 ng/ul

RT: 17.58 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Instrument :

BNA_G

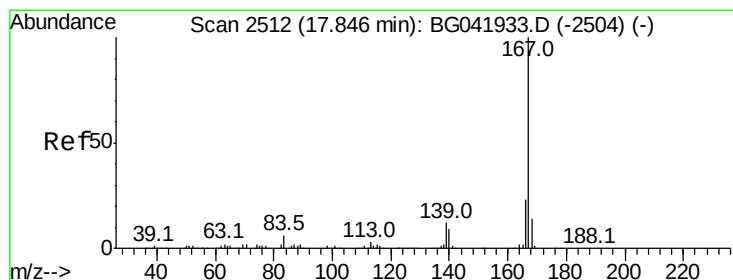
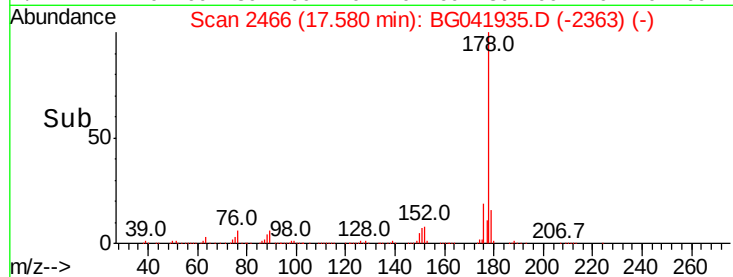
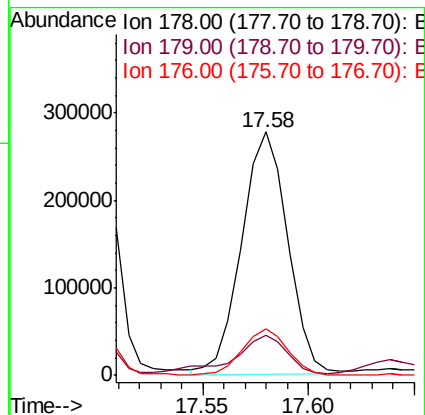
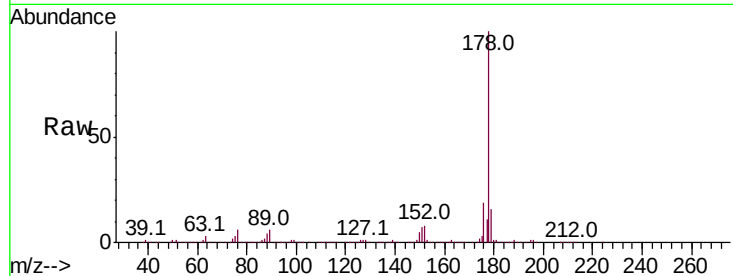
ClientSampleId :

BENPODL

Tot Ion:178	Resp:	419863
Ion Ratio	Lower	Upper
178	100	
179	16.4	13.4 20.0
176	19.3	15.4 23.2

Manual Integrations
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#74

Carbazole

Concen: 2.914 ng/ul

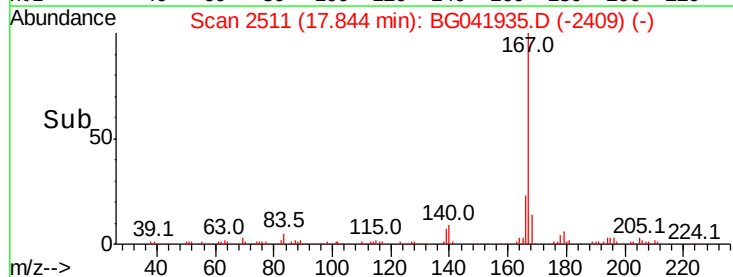
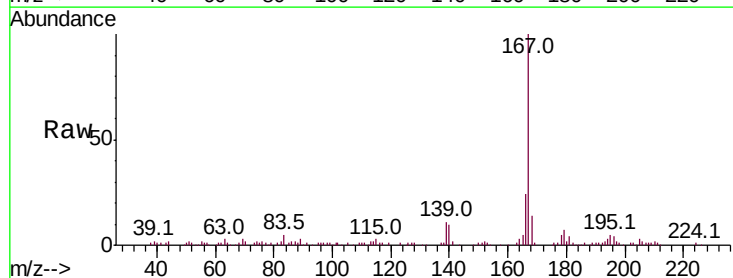
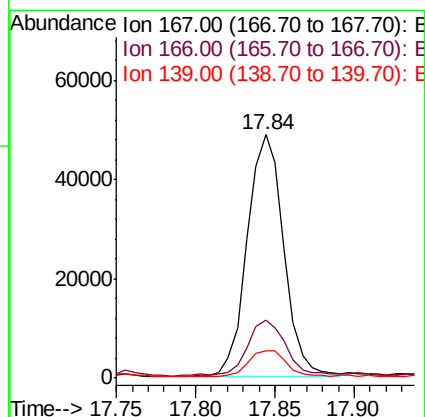
RT: 17.84 min Scan# 2511

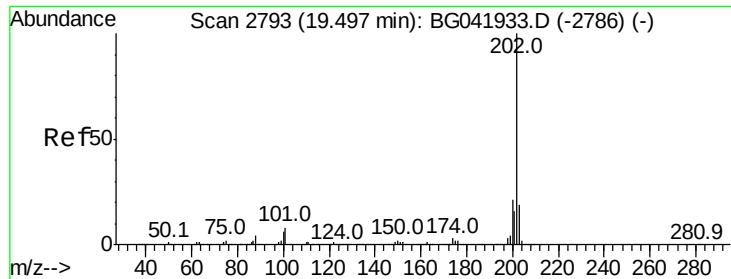
Delta R.T. -0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Tgt Ion:167	Resp:	77787
Ion Ratio	Lower	Upper
167	100	
166	23.8	18.2 27.4
139	11.4	9.6 14.4





#76

Fluoranthene

Concen: 49.853 ng/ul

RT: 19.50 min Scan# 2793

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Instrument :

BNA_G

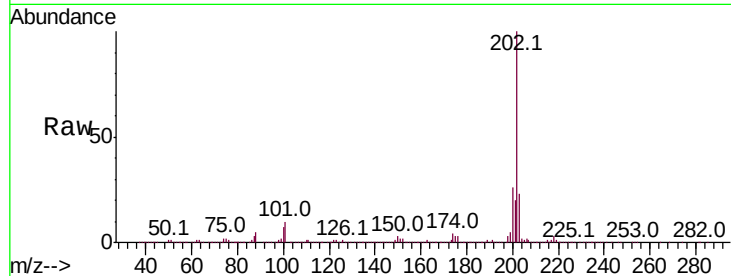
ClientSampleId :

BENPODL

Tot Ion:	202	Resp:	1830131
Ion Ratio	Lower	Upper	
202	100		
101	9.8	6.7	10.1
100	7.4	5.3	7.9

Manual Integrations
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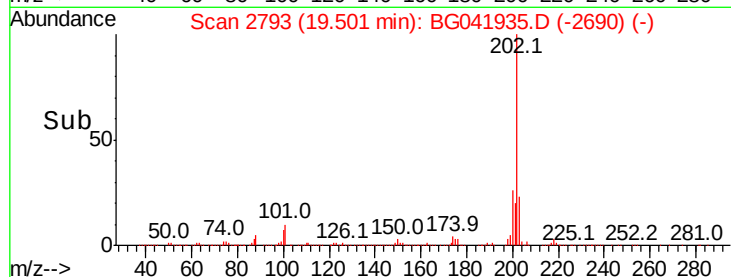
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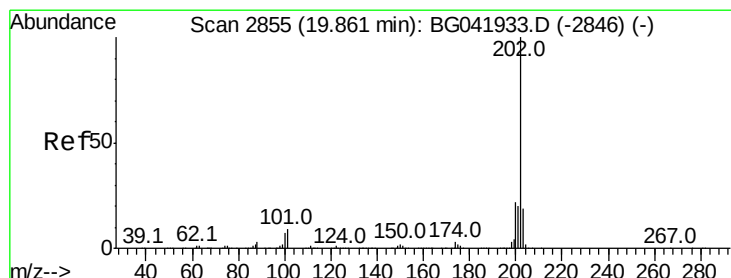
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#79

Pyrene

Concen: 54.754 ng/ul m

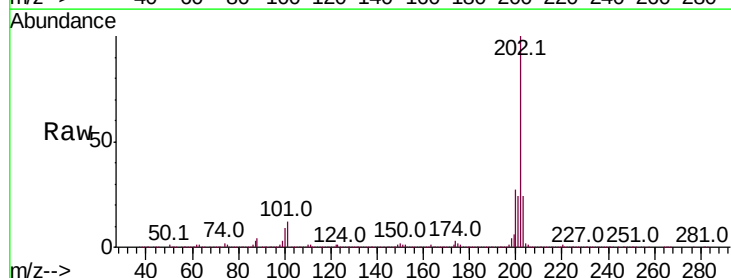
RT: 19.87 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

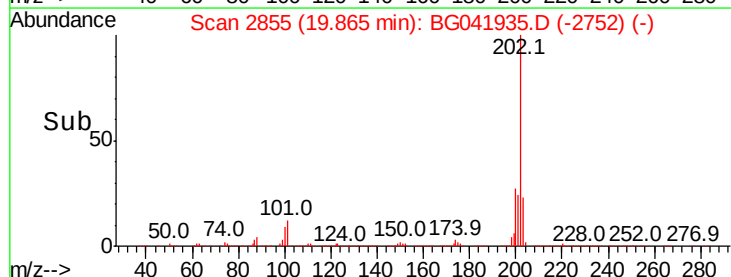
Tgt Ion:	202	Resp:	2100941
Ion Ratio	Lower	Upper	
202	100		
101	11.6	7.6	11.4#
100	9.1	6.5	9.7



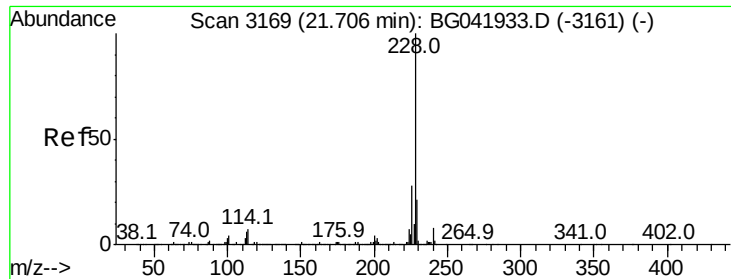
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



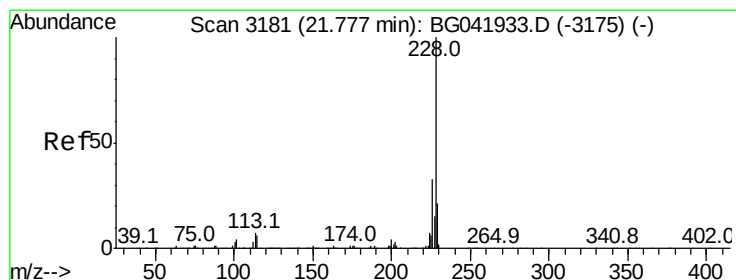
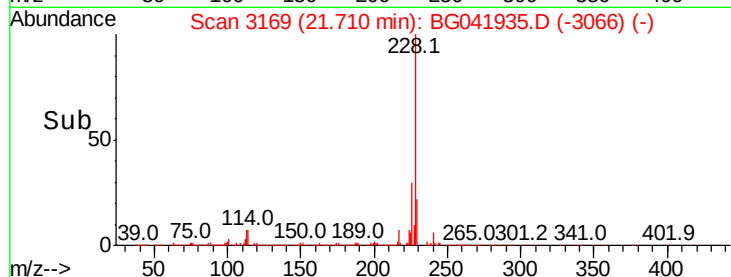
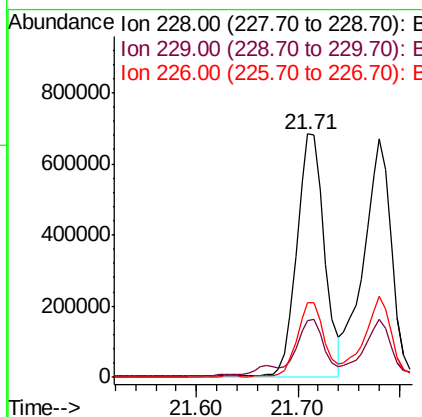
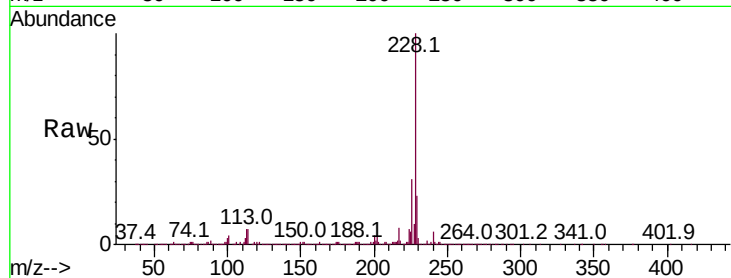
#82
Benzo(a)anthracene
Concen: 32.607 ng/ul
RT: 21.71 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BG041935.D
Acq: 4 Aug 2019 9:56

Instrument :
BNA_G
ClientSampleId :
BENPODL

Tot Ion	Ratio	Lower	Upper
228	100		
229	23.4	17.0	25.6
226	30.7	23.3	34.9

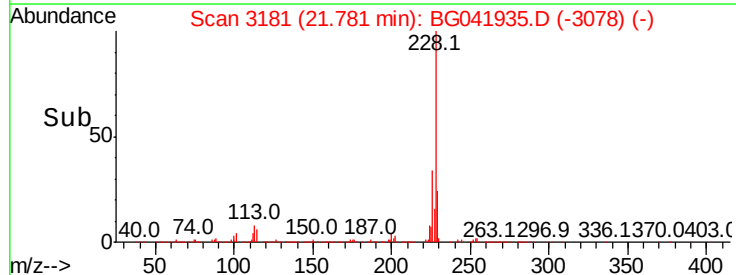
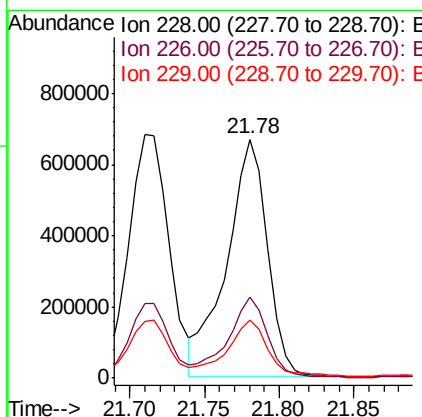
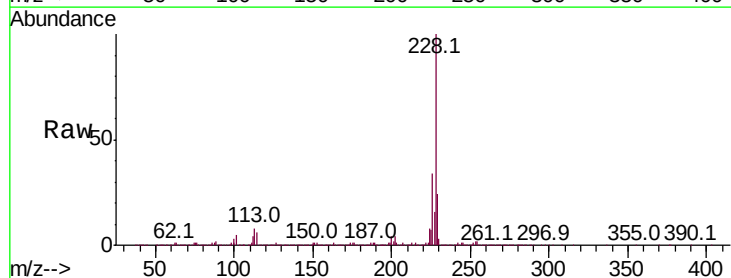
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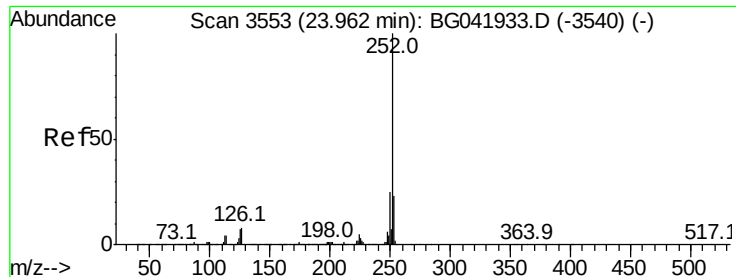
mohammad
8/6/2019 12:18:16 PM



#84
Chrysene
Concen: 34.272 ng/ul
RT: 21.78 min Scan# 3181
Delta R.T. 0.00 min
Lab File: BG041935.D
Acq: 4 Aug 2019 9:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.9	25.7	38.5
229	24.1	16.6	24.8





#87

Benzo(b)fluoranthene

Concen: 29.368 ng/ul

RT: 23.97 min Scan# 3554

Delta R.T. 0.01 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Instrument :

BNA_G

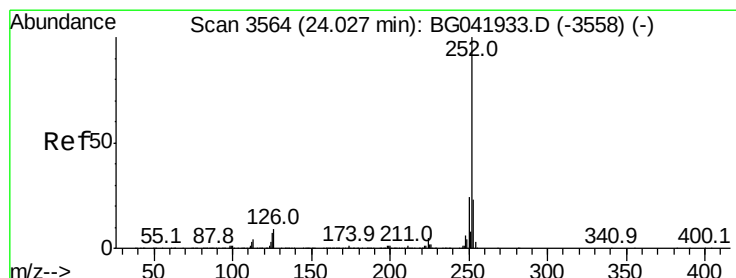
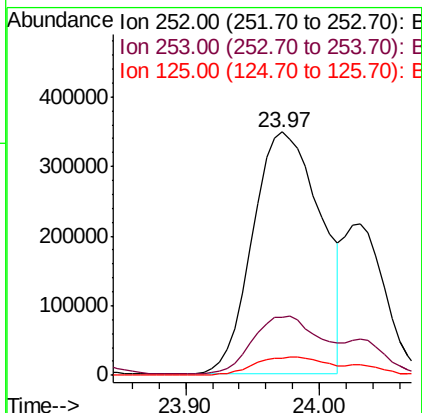
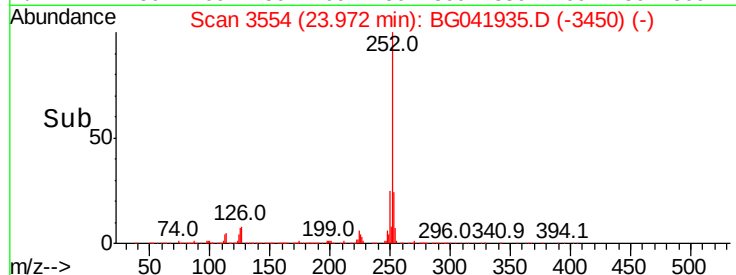
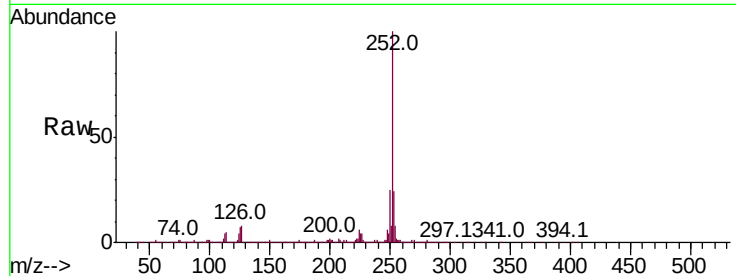
ClientSampleId :

BENPODL

Tot Ion:	252	Resp:	1234154
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.4	27.6
125	7.1	5.8	8.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 11.506 ng/ul m

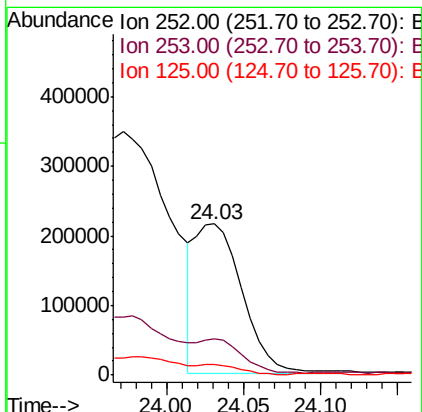
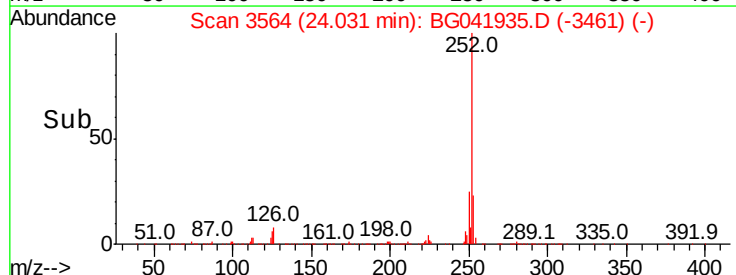
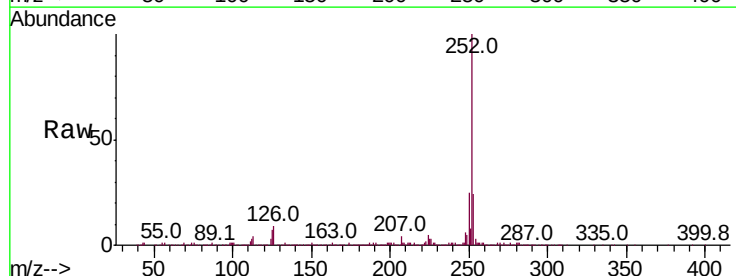
RT: 24.03 min Scan# 3564

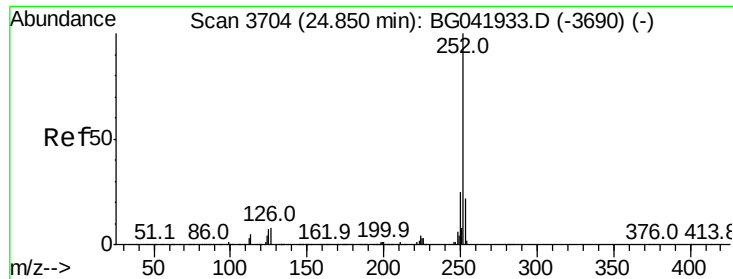
Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Tgt Ion:	252	Resp:	464917
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.3	27.5
125	6.8	5.5	8.3





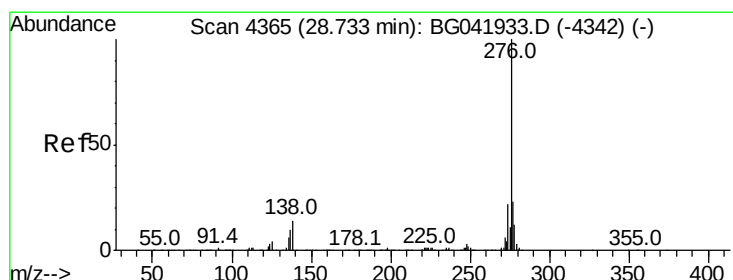
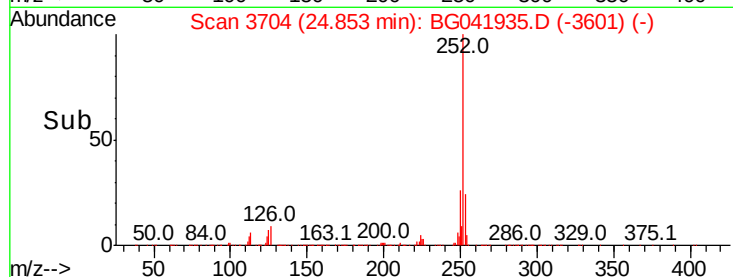
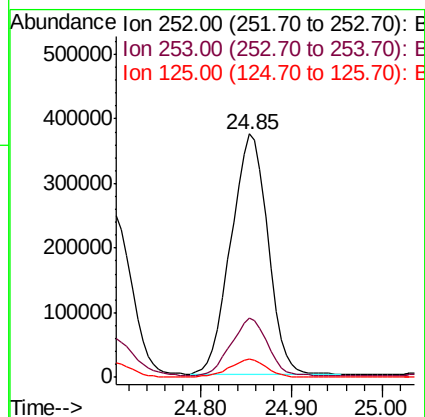
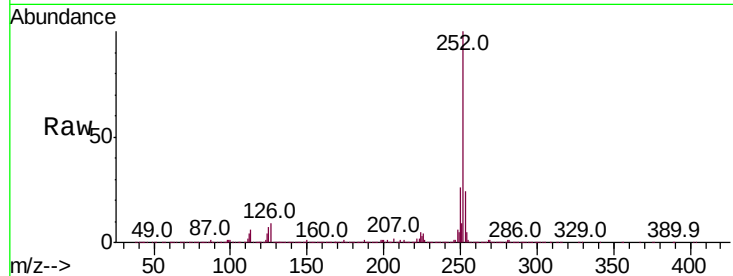
#90
Benzo(a)pyrene
Concen: 26.195 ng/ul
RT: 24.85 min Scan# 3704
Delta R.T. 0.00 min
Lab File: BG041935.D
Acq: 4 Aug 2019 9:56

Instrument :
BNA_G
ClientSampleId :
BENP0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.3	27.5
125	7.5	6.5	9.7

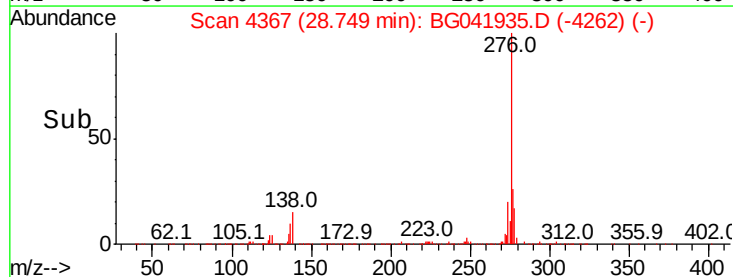
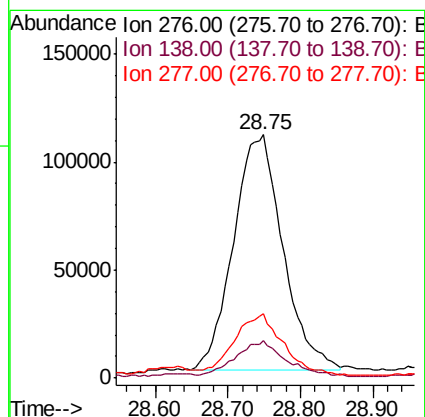
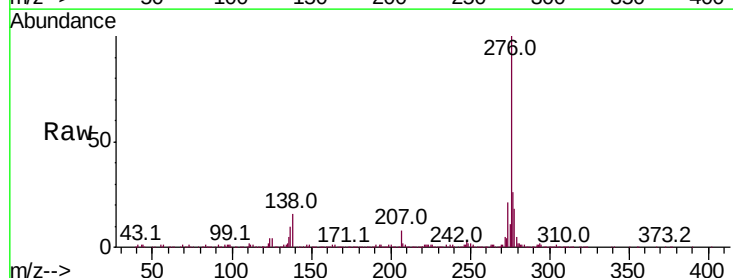
Manual Integrations
APPROVED

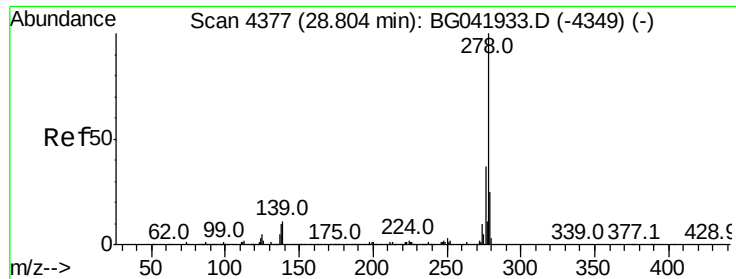
mohammad
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#91
Indeno(1,2,3-cd)pyrene
Concen: 11.020 ng/ul
RT: 28.75 min Scan# 4367
Delta R.T. 0.02 min
Lab File: BG041935.D
Acq: 4 Aug 2019 9:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.0	18.0
277	26.2	19.2	28.8





#92

Dibenzo(a,h)anthracene

Concen: 4.177 ng/ul

RT: 28.78 min Scan# 4372

Delta R.T. -0.03 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Instrument :

BNA_G

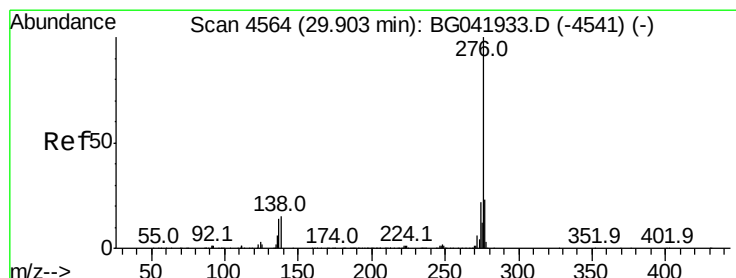
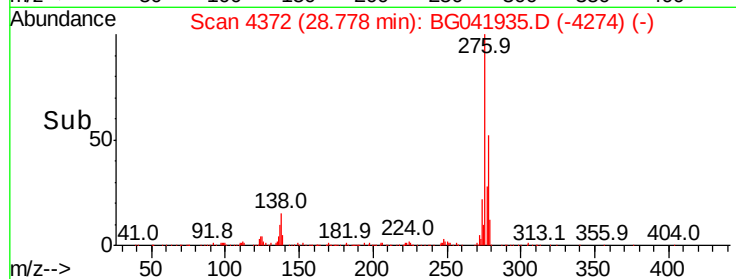
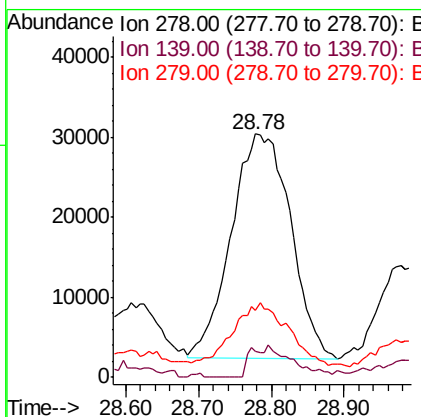
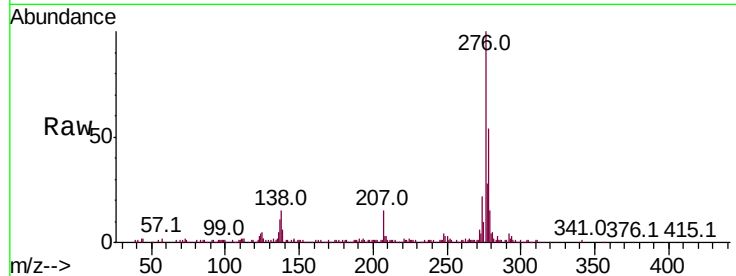
ClientSampled :

BENPODL

Tot Ion:	278	Resp:	159138
Ion Ratio	Lower	Upper	
278	100		
139	10.8	9.4	14.0
279	27.6	19.2	28.8

Manual Integrations
APPROVED

mohammad
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#93

Benzo(g,h,i)perylene

Concen: 13.038 ng/ul

RT: 29.91 min Scan# 4564

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Tgt Ion:	276	Resp:	508461
Ion Ratio	Lower	Upper	
276	100		
138	15.7	12.6	18.8
277	24.4	19.2	28.8

