

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
 Data File : BG041939.D
 Acq On : 4 Aug 2019 12:29
 Operator : HP/JU
 Sample : K3850-02
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENP1

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:32 PM

Quant Time: Aug 06 11:58:19 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	8.04	152	105370	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	421647	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	291576	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.48	188	551150	20.00	ng/ul	0.03
77) Chrysene-d12	21.82	240	528228m	20.00	ng/ul	0.09
85) Perylene-d12	25.16	264	534044m	20.00	ng/ul	0.16

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	6615	2.75	ng/uL	0.00
5) Phenol-d5	7.18	99	172406	20.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	94187	20.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	157776	22.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	147363	21.23	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	81854	25.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	93828	25.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	173718	23.35	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	241962	29.31	ng/ul	0.00
43) Dimethylphthalate-d6	14.10	166	460134	20.35	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	599779	23.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	80763	21.27	ng/ul	0.01
57) Fluorene-d10	15.70	176	424240	21.09	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.88	200	26529m	7.50	ng/ul	0.08
70) Anthracene-d10	17.59	188	640806	24.23	ng/ul	0.04
78) Pyrene-d10	19.87	212	746752	25.33	ng/ul	0.04
89) Benzo(a)pyrene-d12	24.92	264	705320	25.28	ng/ul	0.15

Target Compounds

					Qvalue	
28) Naphthalene	10.92	128	2839266	131.716	ng/ul#	89
34) 2-Methylnaphthalene	12.53	142	2659891	155.248	ng/ul	96
40) 1,1'-Biphenyl	13.53	154	552247	26.048	ng/ul	97
49) Acenaphthene	14.78	153	3423563	187.794	ng/ul#	87
53) Dibenzofuran	15.10	168	771512	28.356	ng/ul#	87
58) Fluorene	15.76	166	2892844	132.003	ng/ul#	96
69) Phenanthrene	17.56	178	10649833	352.960	ng/ul#	1
71) Anthracene	17.63	178	4443769	145.210	ng/ul#	18
74) Carbazole	17.87	167	832229	32.830	ng/ul#	85
76) Fluoranthene	19.57	202	8311583	238.411	ng/ul#	1
79) Pyrene	19.96	202	11211321m	315.530	ng/ul	
82) Benzo(a)anthracene	21.80	228	9733153m	265.754	ng/ul	
83) Bis(2-ethylhexyl)phthalate	21.66	149	1071585m	56.156	ng/ul	
84) Chrysene	21.89	228	8048071m	235.438	ng/ul	
87) Benzo(b)fluoranthene	24.13	252	12459681m	371.775	ng/ul	
88) Benzo(k)fluoranthene	24.18	252	2574676m	79.901	ng/ul	
90) Benzo(a)pyrene	25.06	252	9923638m	310.734	ng/ul	
91) Indeno(1,2,3-cd)pyrene	28.99	276	4847026m	130.123	ng/ul	
92) Dibenzo(a,h)anthracene	29.02	278	1690377m	55.633	ng/ul	
93) Benzo(g,h,i)perylene	30.19	276	4412103	141.869	ng/ul	95

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

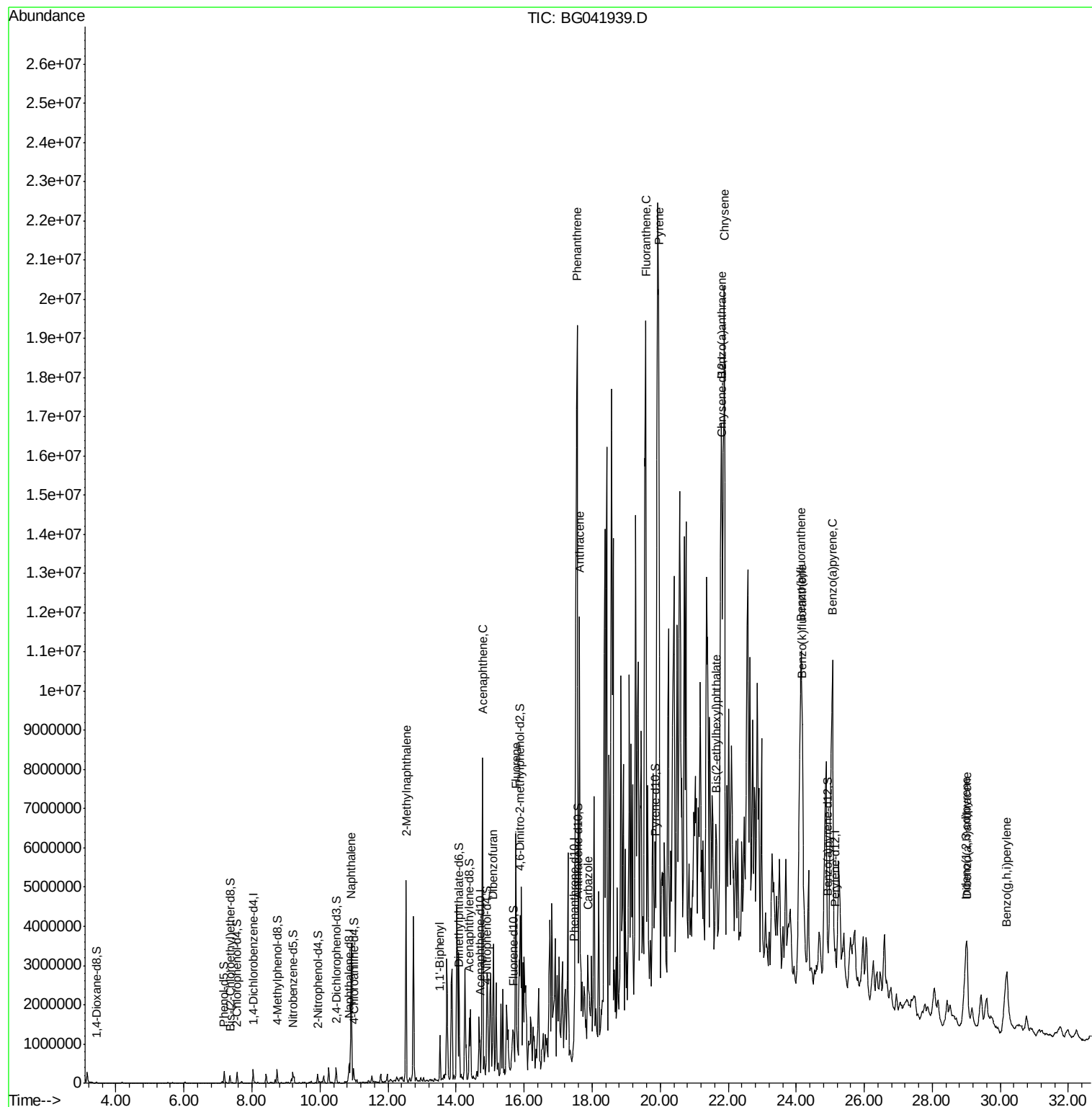
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Data File : BG041939.D
Acq On : 4 Aug 2019 12:29
Operator : HP/JU
Sample : K3850-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

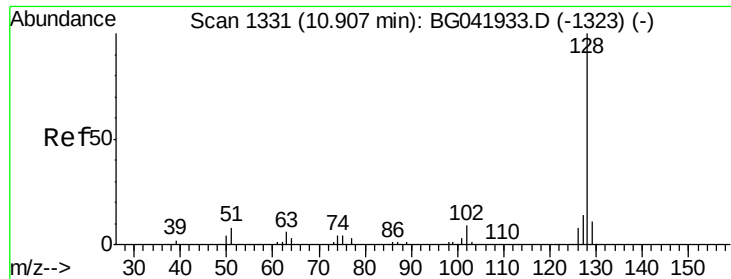
Instrument :
BNA_G
ClientSampleID :
BENP1

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Quant Time: Aug 06 11:58:19 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





#28

Naphthalene

Concen: 131.716 ng/ul

RT: 10.92 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampleId :

BENP1

Tgt Ion:128 Resp: 2839266

Ion Ratio Lower Upper

128 100

129 15.4 9.5 14.3#

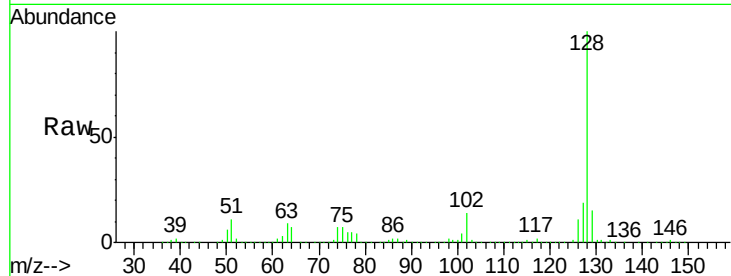
127 19.3 11.4 17.0#

Manual Integrations

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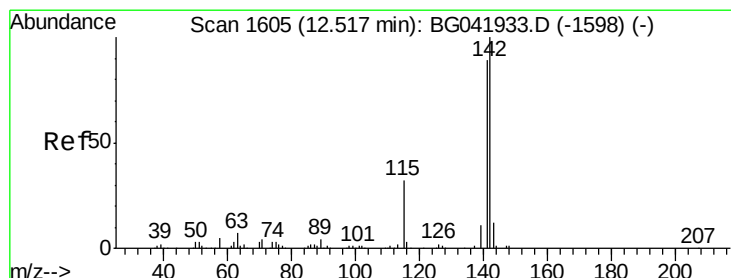
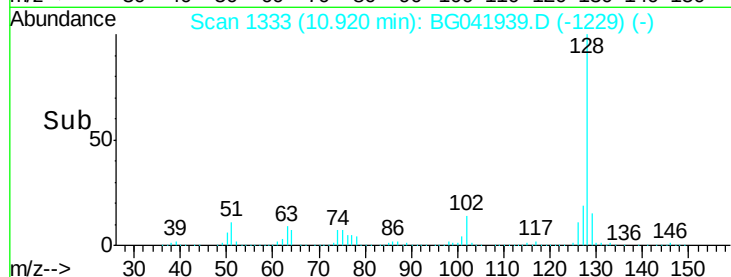
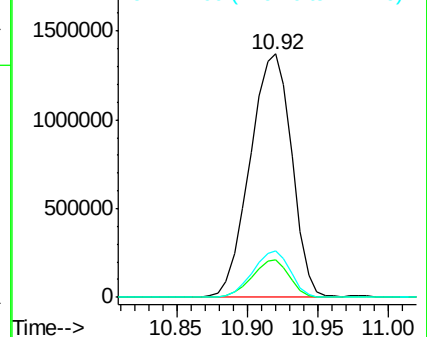
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 155.248 ng/ul

RT: 12.53 min Scan# 1607

Delta R.T. 0.01 min

Lab File: BG041939.D

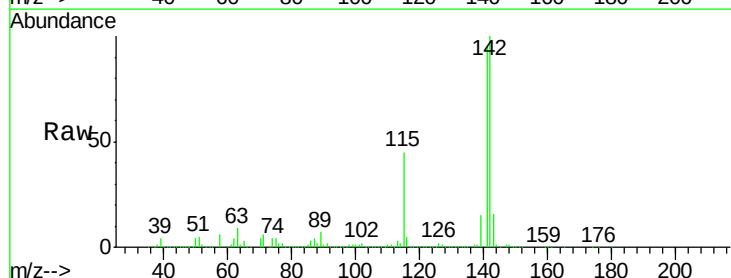
Acq: 4 Aug 2019 12:29

Tgt Ion:142 Resp: 2659891

Ion Ratio Lower Upper

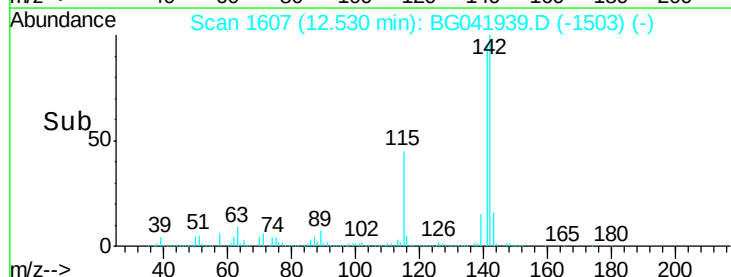
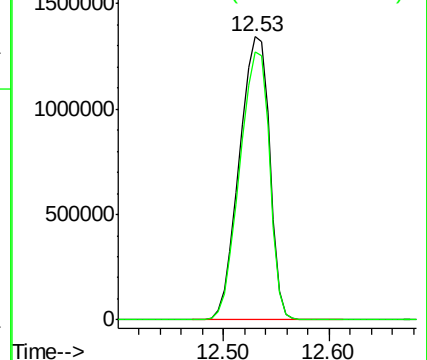
142 100

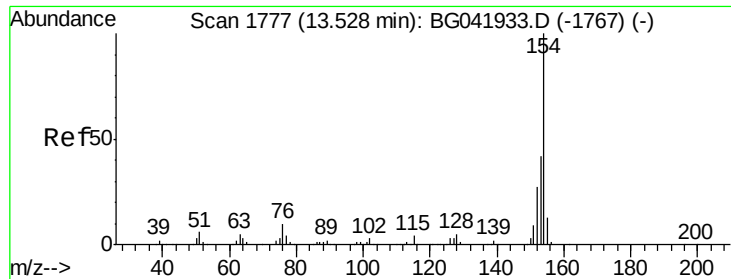
141 94.9 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





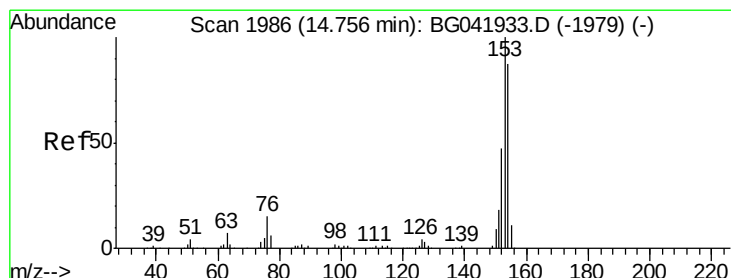
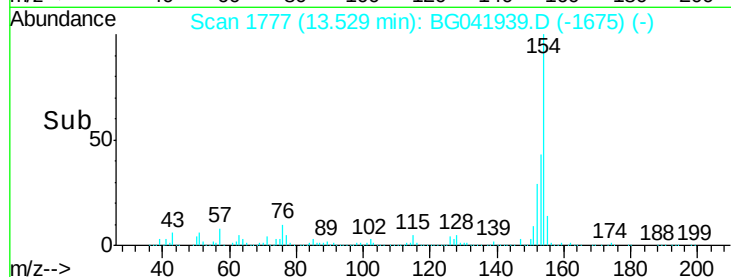
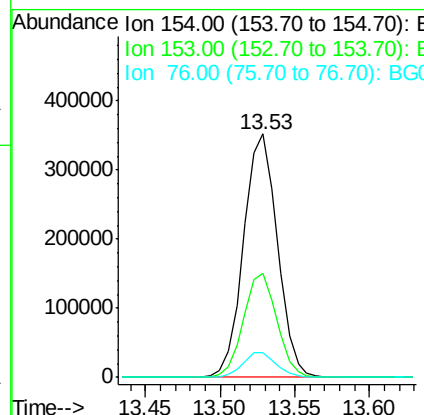
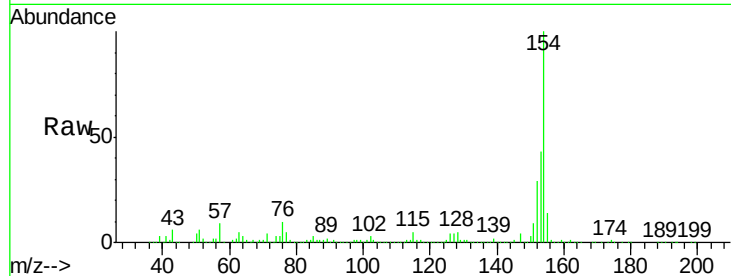
#40
1,1'-Biphenyl
Concen: 26.048 ng/ul
RT: 13.53 min Scan# 1777
Delta R.T. 0.00 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

Instrument :
BNA_G
ClientSampleId :
BENP1

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	552247		
153	43.0		32.6	48.8
76	10.0		8.6	13.0

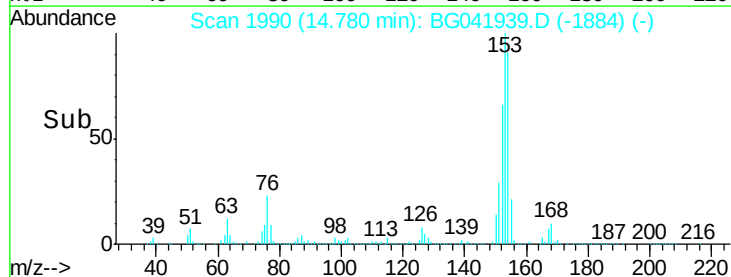
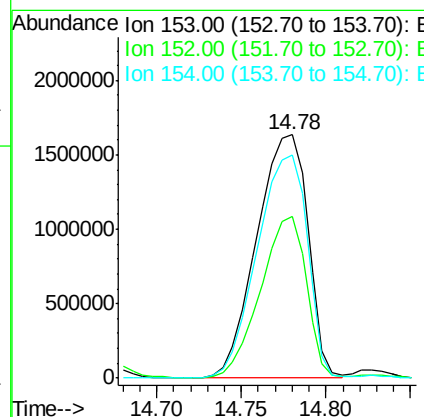
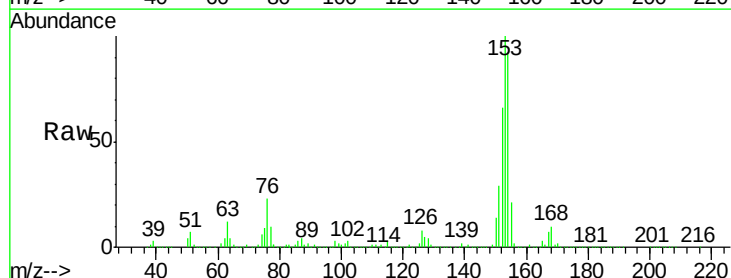
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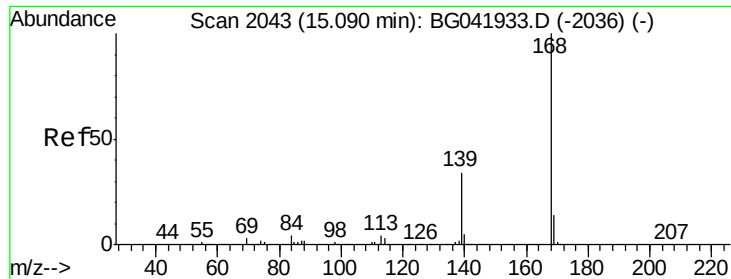
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#49
Acenaphthene
Concen: 187.794 ng/ul
RT: 14.78 min Scan# 1990
Delta R.T. 0.02 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	3423563		
152	66.4		37.8	56.8#
154	91.7		69.4	104.2





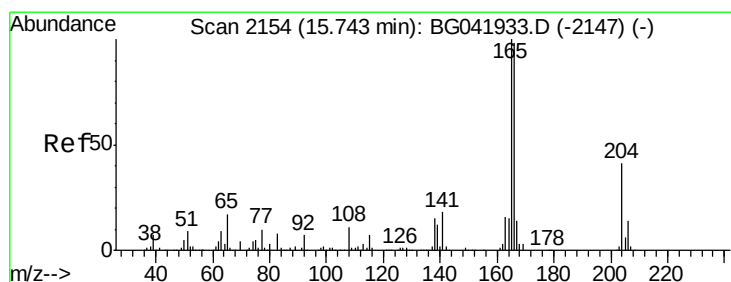
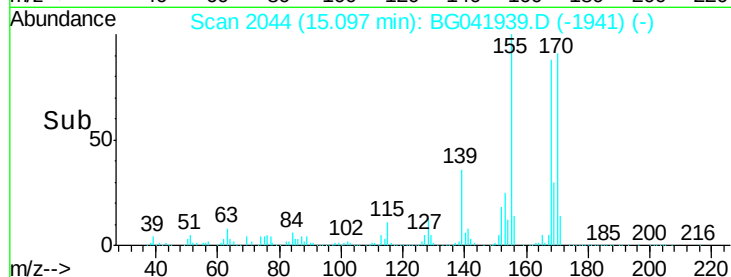
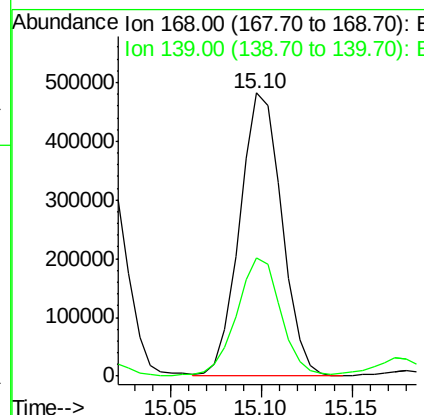
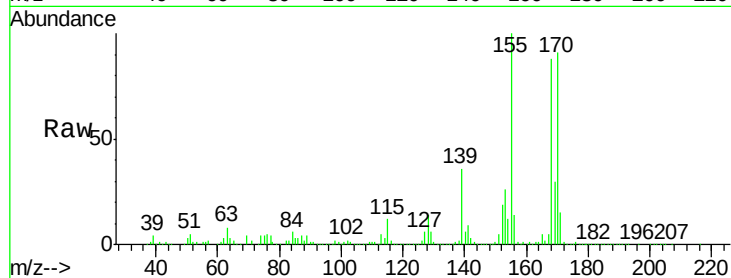
#53
Dibenzenofuran
Concen: 28.356 ng/ul
RT: 15.10 min Scan# 2044
Delta R.T. 0.01 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

Instrument :
BNA_G
ClientSampleId :
BENP1

Tgt Ion:168 Resp: 771512
Ion Ratio Lower Upper
168 100
139 41.6 27.3 40.9#

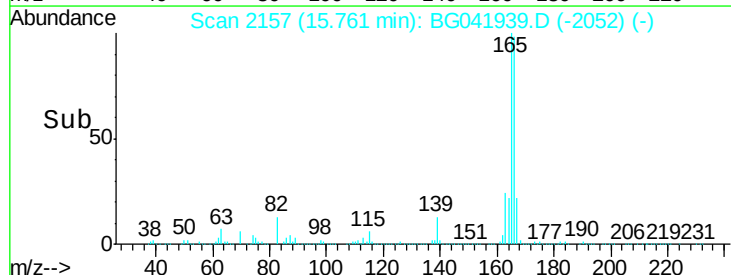
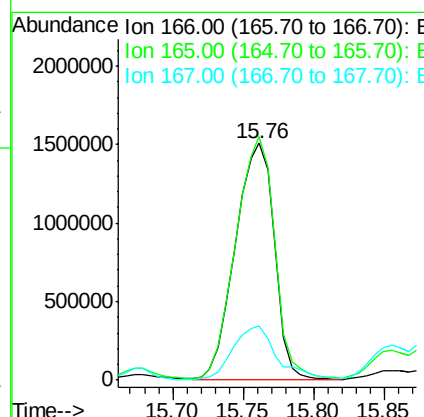
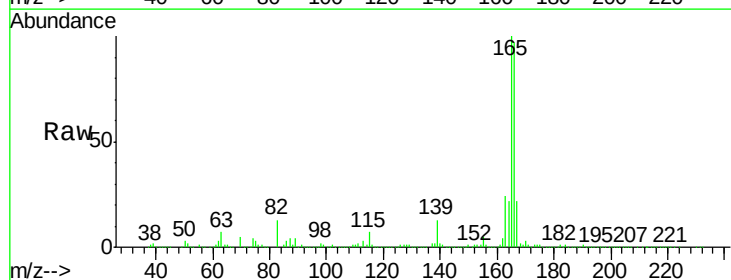
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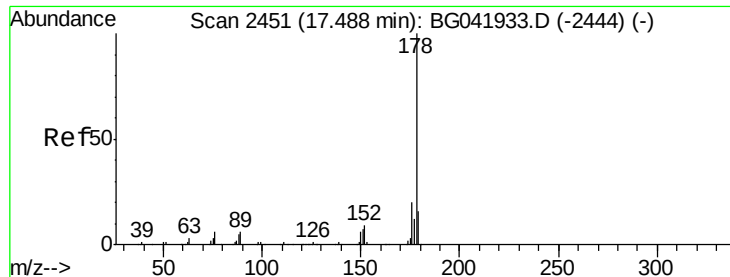
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#58
Fluorene
Concen: 132.003 ng/ul
RT: 15.76 min Scan# 2157
Delta R.T. 0.02 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

Tgt Ion:166 Resp: 2892844
Ion Ratio Lower Upper
166 100
165 102.7 81.1 121.7
167 22.7 11.0 16.4#





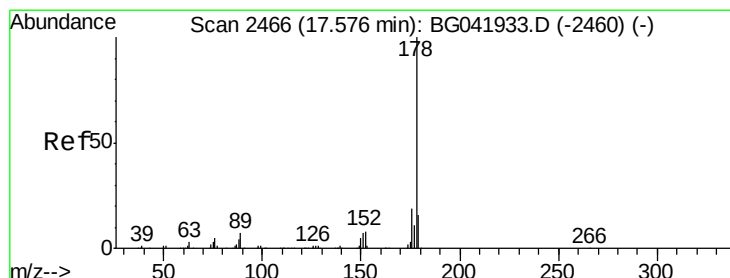
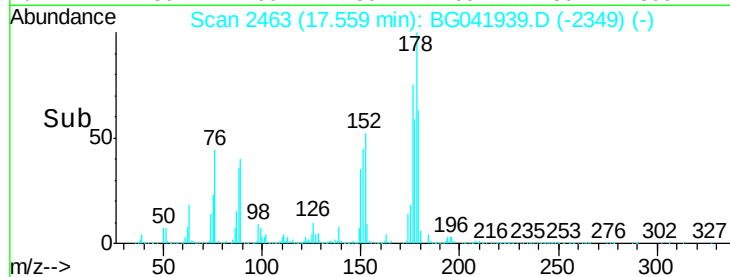
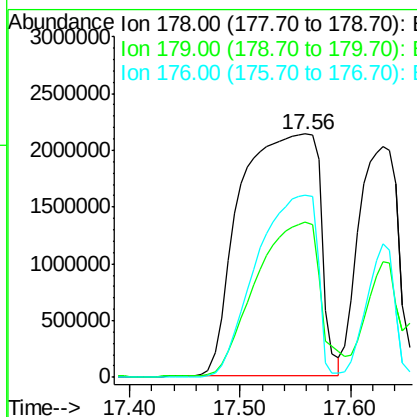
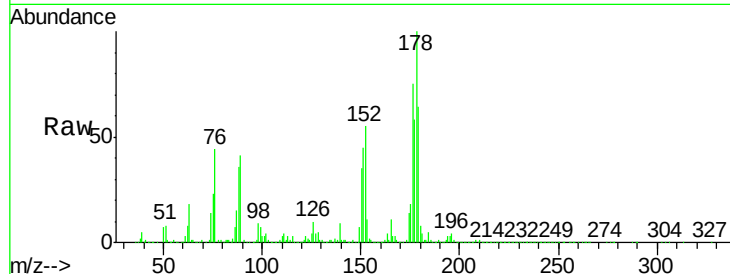
#69
 Phenanthrene
 Concen: 352.960 ng/ul
 RT: 17.56 min Scan# 2463
 Delta R.T. 0.07 min
 Lab File: BG041939.D
 Acq: 4 Aug 2019 12:29

Instrument :
 BNA_G
 ClientSampled :
 BENP1

Tgt Ion:178 Resp:10649833
 Ion Ratio Lower Upper
 178 100
 179 63.5 12.8 19.2#
 176 74.9 15.4 23.2#

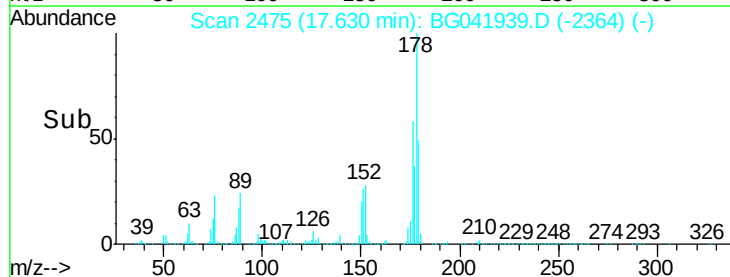
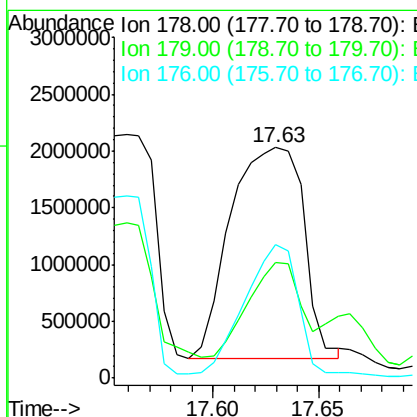
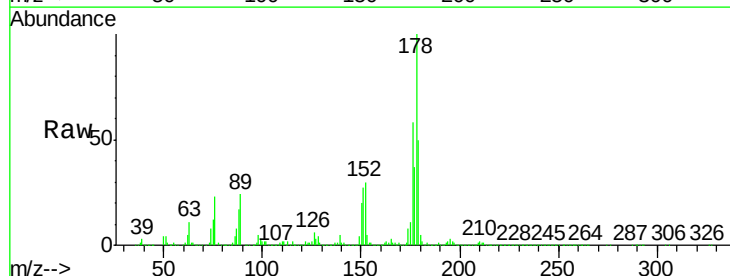
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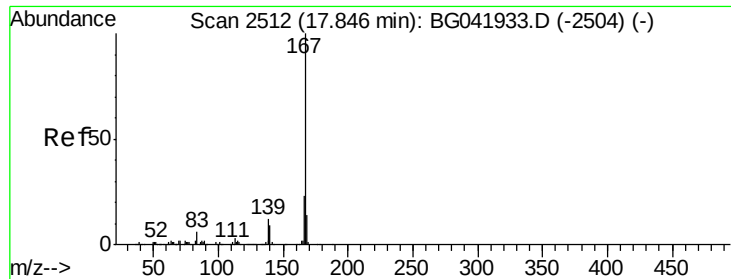
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#71
 Anthracene
 Concen: 145.210 ng/ul
 RT: 17.63 min Scan# 2475
 Delta R.T. 0.05 min
 Lab File: BG041939.D
 Acq: 4 Aug 2019 12:29

Tgt Ion:178 Resp: 4443769
 Ion Ratio Lower Upper
 178 100
 179 50.2 13.4 20.0#
 176 58.0 15.4 23.2#





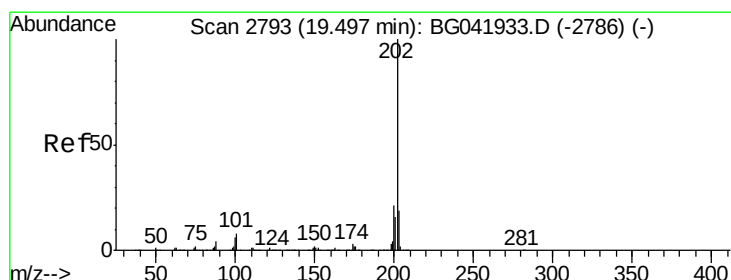
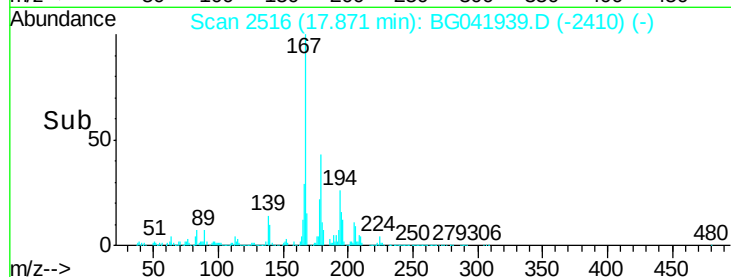
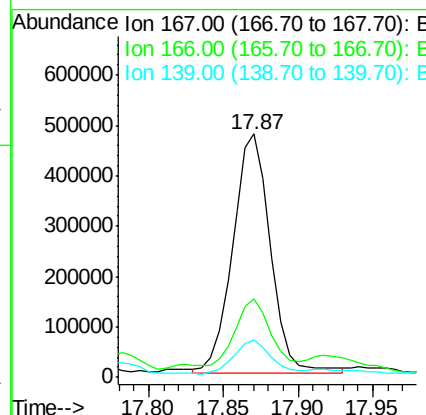
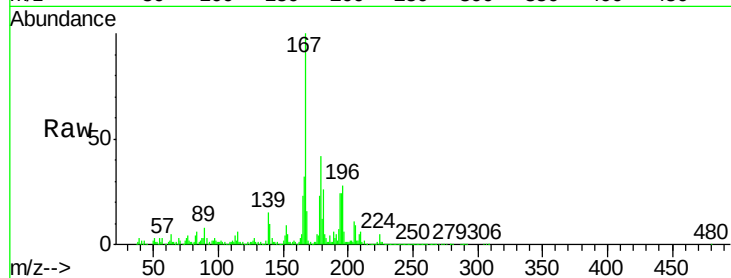
#74
 Carbazole
 Concen: 32.830 ng/ul
 RT: 17.87 min Scan# 2516
 Delta R.T. 0.02 min
 Lab File: BG041939.D
 Acq: 4 Aug 2019 12:29

Instrument :
 BNA_G
 ClientSampleId :
 BENP1

Tgt Ion	Ratio	Lower	Upper
167	100		
166	32.1	18.2	27.4#
139	15.3	9.6	14.4#

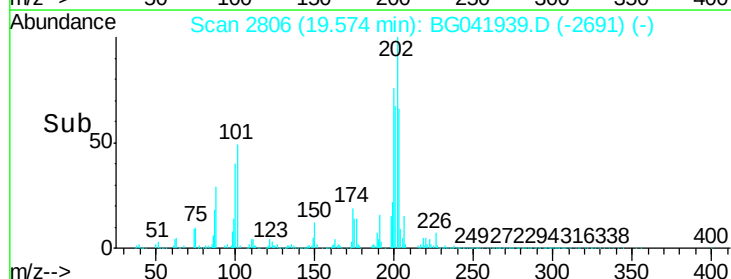
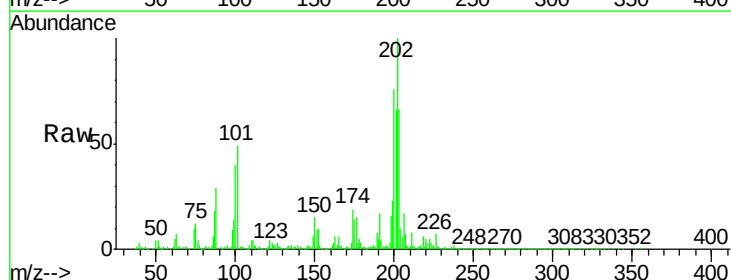
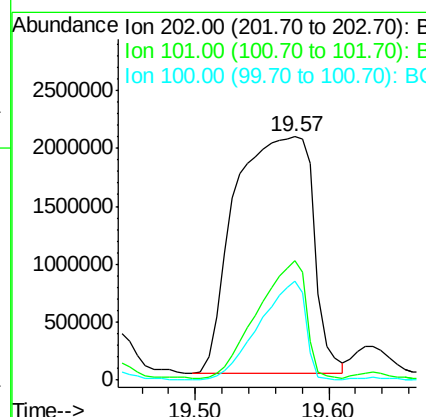
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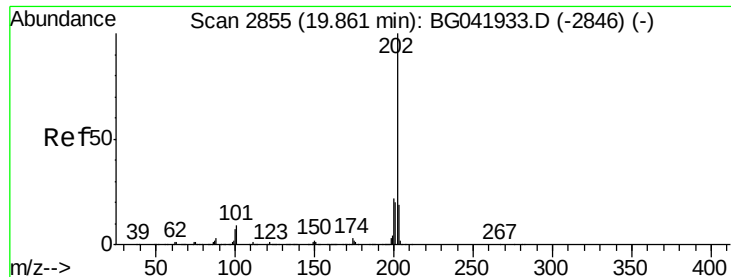
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#76
 Fluoranthene
 Concen: 238.411 ng/ul
 RT: 19.57 min Scan# 2806
 Delta R.T. 0.08 min
 Lab File: BG041939.D
 Acq: 4 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	49.1	6.7	10.1#
100	40.4	5.3	7.9#





#79

Pyrene

Concen: 315.530 ng/ul m

RT: 19.96 min Scan# 2871

Delta R.T. 0.10 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampled :

BENP1

Tgt Ion:202 Resp:11211321

Ion Ratio Lower Upper

202 100

101 63.1 7.6 11.4#

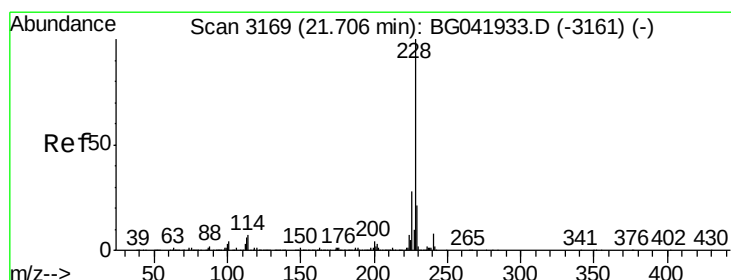
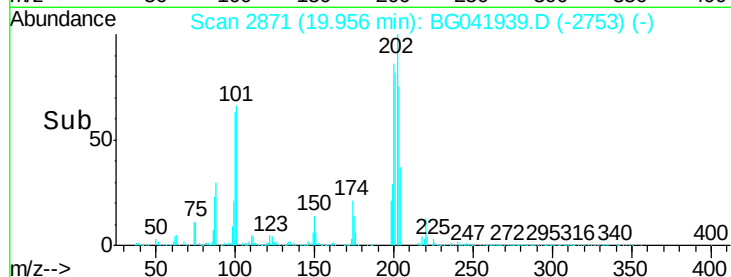
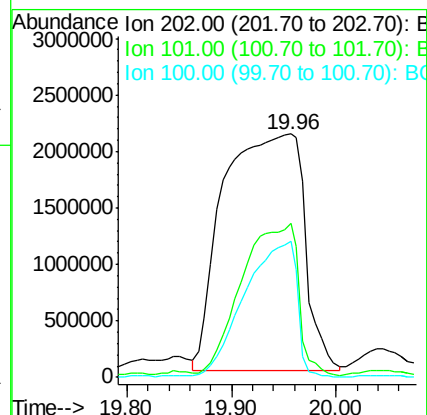
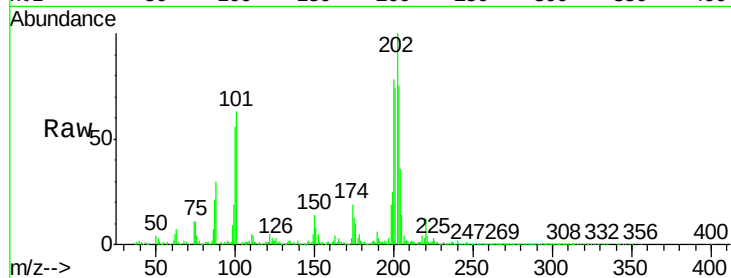
100 56.0 6.5 9.7#

Manual Integrations

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#82

Benzo(a)anthracene

Concen: 265.754 ng/ul m

RT: 21.80 min Scan# 3185

Delta R.T. 0.10 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

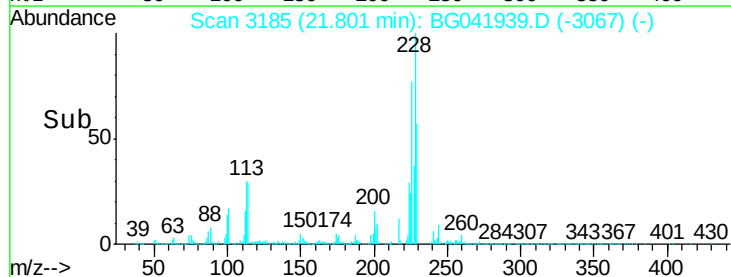
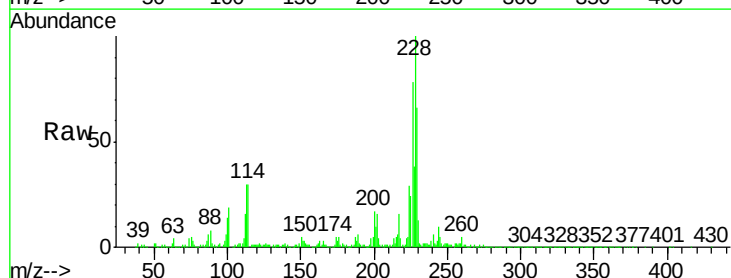
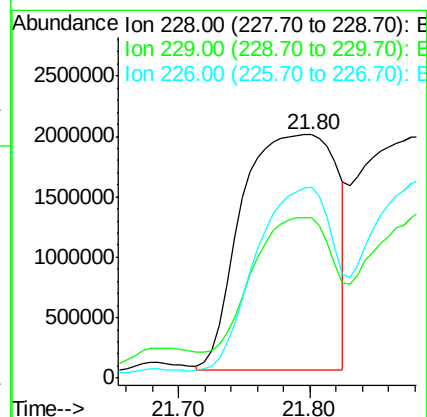
Tgt Ion:228 Resp: 9733153

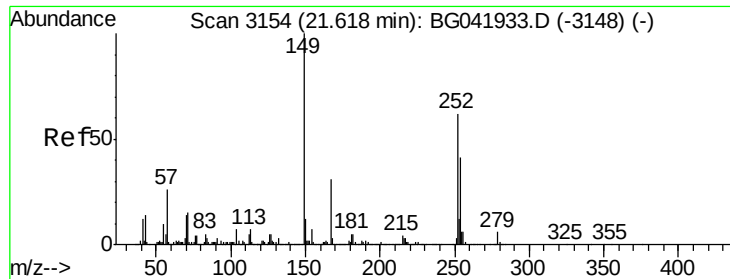
Ion Ratio Lower Upper

228 100

229 65.7 17.0 25.6#

226 78.4 23.3 34.9#





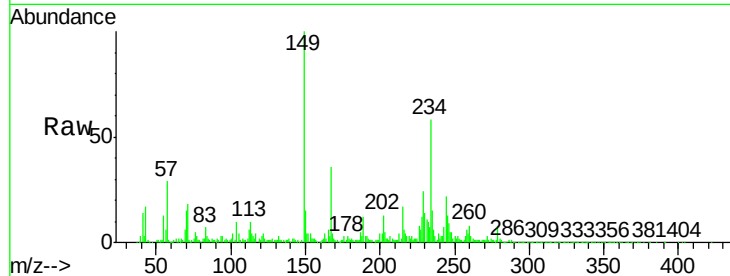
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 56.156 ng/ul m
 RT: 21.66 min Scan# 3161
 Delta R.T. 0.04 min
 Lab File: BG041939.D
 Acq: 4 Aug 2019 12:29

Instrument :
 BNA_G
 ClientSampleId :
 BENP1

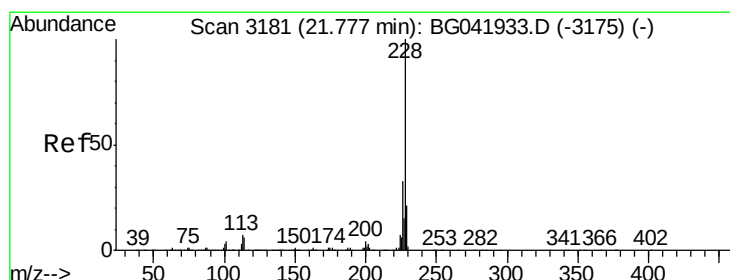
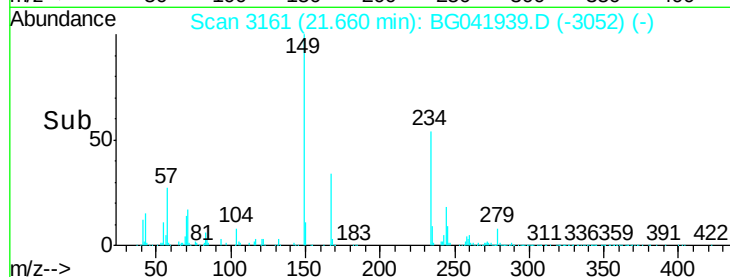
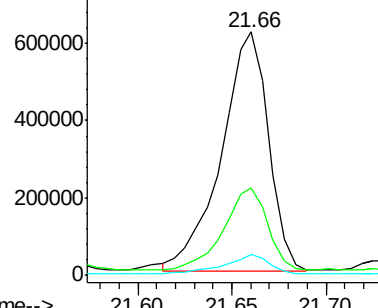
Tgt Ion:149 Resp: 1071585
 Ion Ratio Lower Upper
 149 100
 167 36.1 25.0 37.4
 279 8.3 5.2 7.8#

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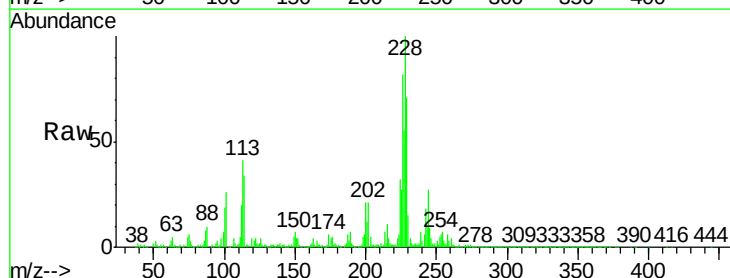


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

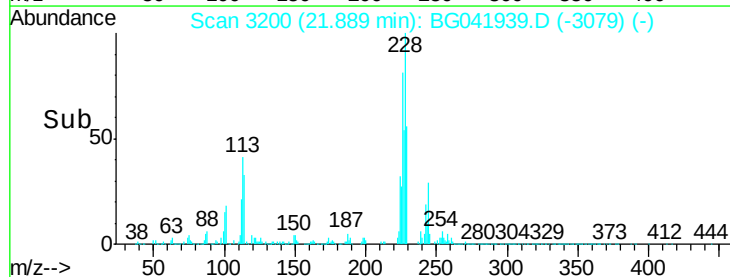
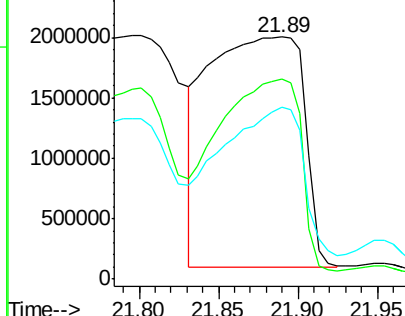


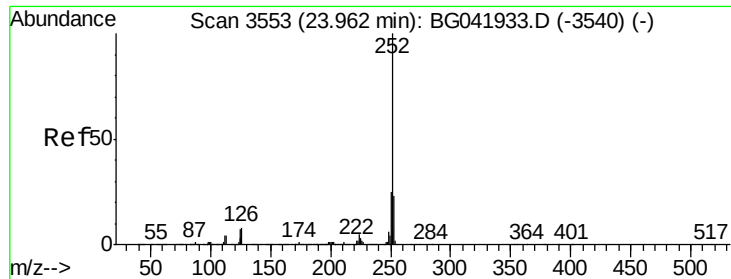
#84
 Chrysene
 Concen: 235.438 ng/ul m
 RT: 21.89 min Scan# 3200
 Delta R.T. 0.11 min
 Lab File: BG041939.D
 Acq: 4 Aug 2019 12:29

Tgt Ion:228 Resp: 8048071
 Ion Ratio Lower Upper
 228 100
 226 82.4 25.7 38.5#
 229 70.9 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: 371.775 ng/ul m

RT: 24.13 min Scan# 3581

Delta R.T. 0.17 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampleId :

BENP1

Tgt Ion:252 Resp:12459681

Ion Ratio Lower Upper

252 100

253 45.4 18.4 27.6#

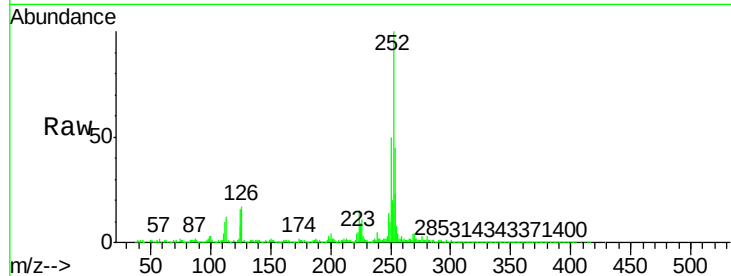
125 15.6 5.8 8.8#

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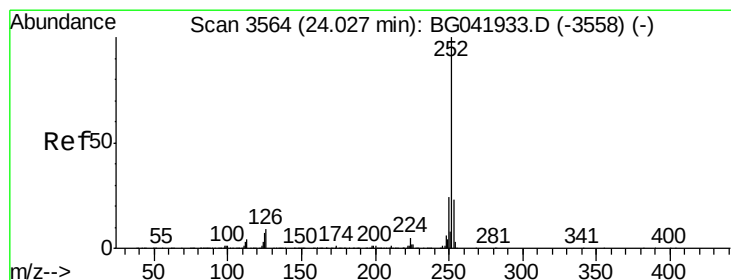
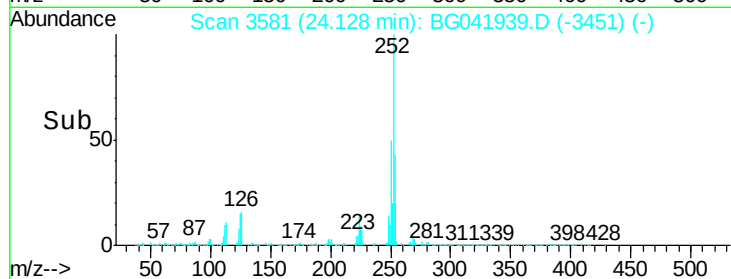
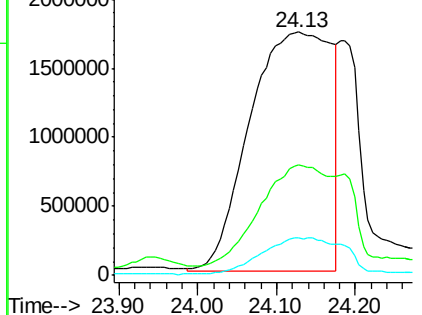
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 79.901 ng/ul m

RT: 24.18 min Scan# 3590

Delta R.T. 0.15 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Tgt Ion:252 Resp: 2574676

Ion Ratio Lower Upper

252 100

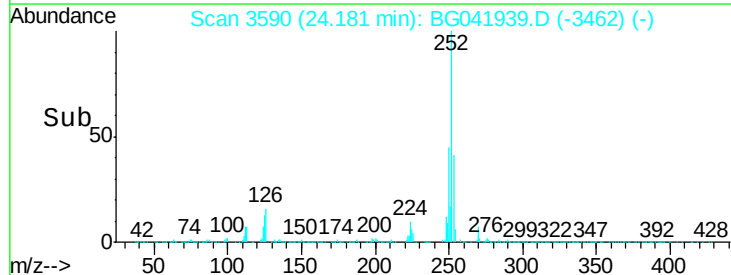
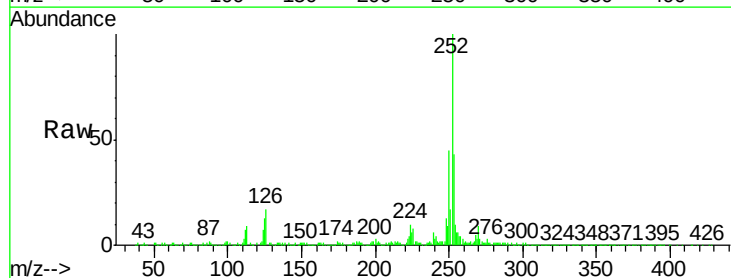
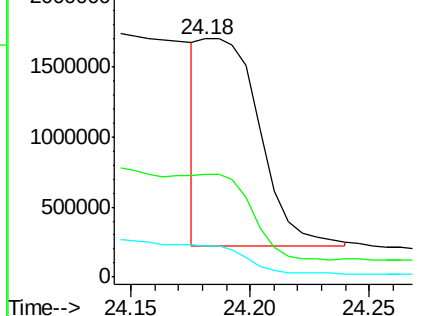
253 42.9 18.3 27.5#

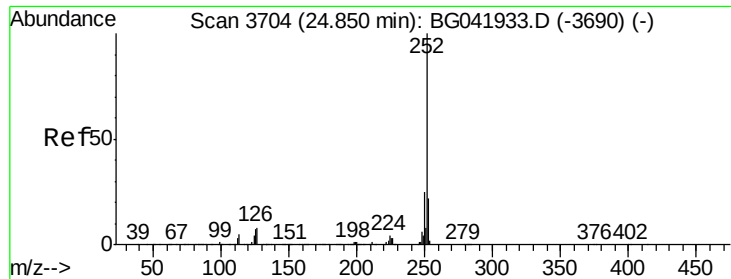
125 13.1 5.5 8.3#

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: 310.734 ng/ul m

RT: 25.06 min Scan# 3740

Delta R.T. 0.21 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampleId :

BENP1

Tgt Ion:252 Resp: 9923638

Ion Ratio Lower Upper

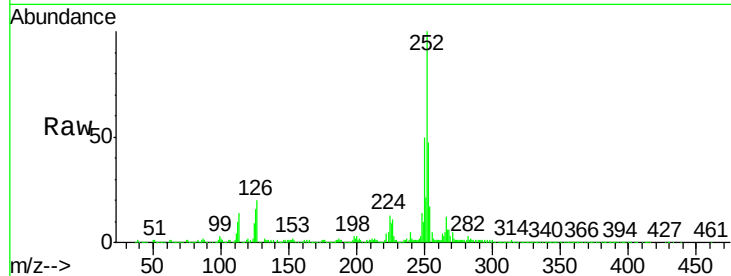
252 100

253 47.0 18.3 27.5#

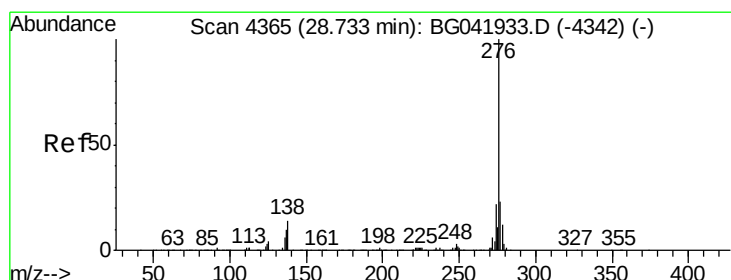
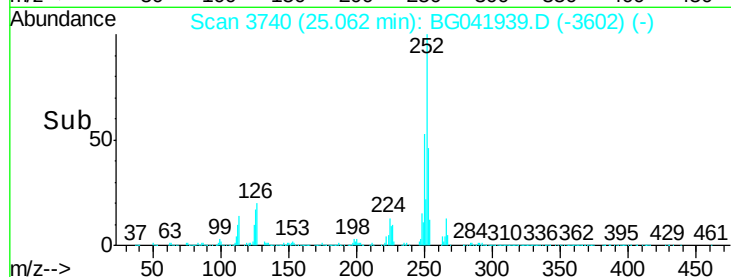
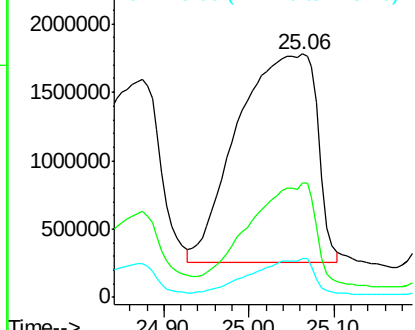
125 16.2 6.5 9.7#

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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: 130.123 ng/ul m

RT: 28.99 min Scan# 4408

Delta R.T. 0.25 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Tgt Ion:276 Resp: 4847026

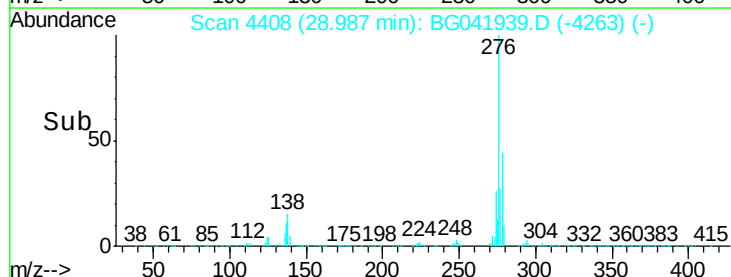
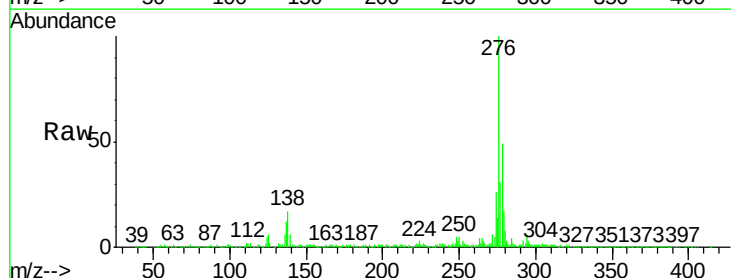
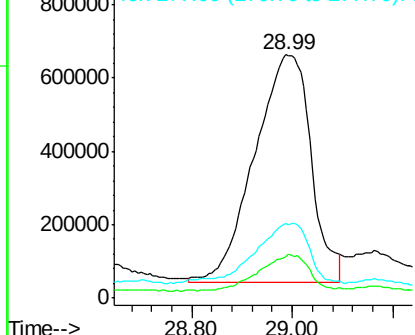
Ion Ratio Lower Upper

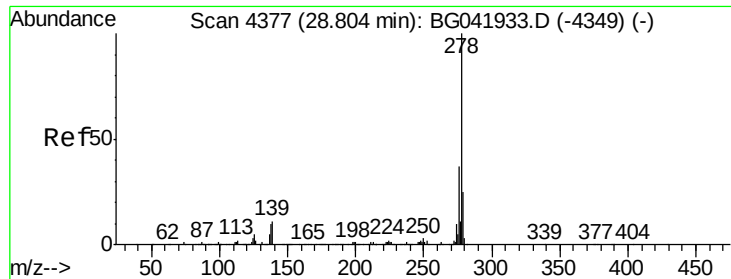
276 100

138 16.9 12.0 18.0

277 30.8 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: 55.633 ng/ul m

RT: 29.02 min Scan# 4414

Delta R.T. 0.22 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampleId :

BENP1

Tgt Ion:278 Resp: 1690377

Ion Ratio Lower Upper

278 100

139 12.5 9.4 14.0

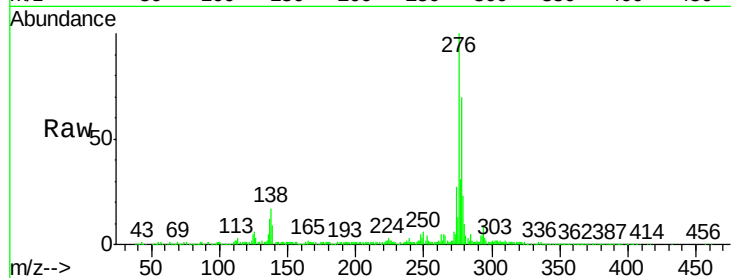
279 33.2 19.2 28.8#

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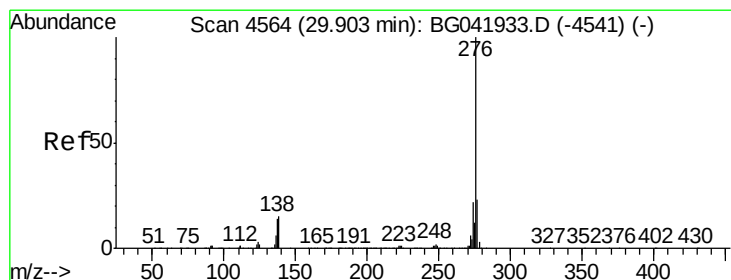
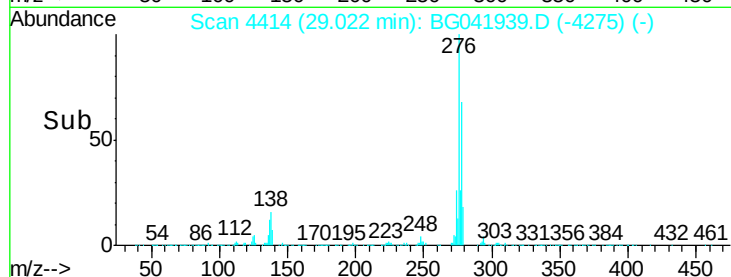
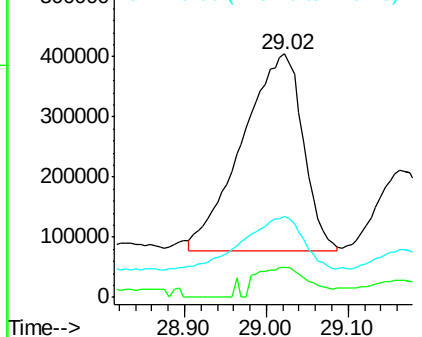
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Abundance Ion 278.00 (277.70 to 278.70): E

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: 141.869 ng/ul

RT: 30.19 min Scan# 4613

Delta R.T. 0.29 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

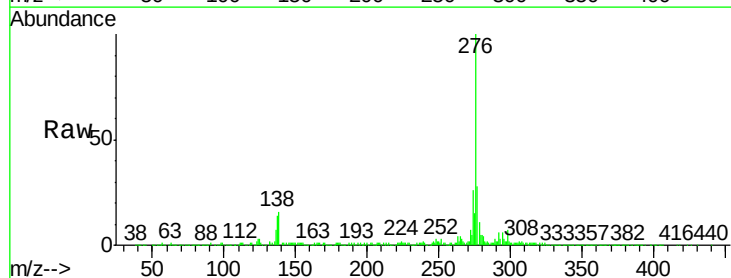
Tgt Ion:276 Resp: 4412103

Ion Ratio Lower Upper

276 100

138 15.7 12.6 18.8

277 28.3 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

