

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042183.D
 Acq On : 13 Aug 2019 16:33
 Operator : HP/JU
 Sample : K4215-15
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETOC8

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:43 AM

Quant Time: Aug 14 05:25:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	78585	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	326132	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	222151	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	447605	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	450008	20.00	ng/ul	0.00
85) Perylene-d12	25.01	264	553353	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	5370	2.99	ng/uL	0.00
5) Phenol-d5	7.18	99	122284	19.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	63708	18.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	117544	22.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	106113	20.49	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	59561	24.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	75372	26.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	144891	25.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	137542	21.54	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	439458	25.51	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	517907	26.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	41908	14.49	ng/ul	0.00
57) Fluorene-d10	15.68	176	394566	25.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	40373	14.06	ng/ul	0.00
70) Anthracene-d10	17.54	188	600078	27.94	ng/ul	0.00
78) Pyrene-d10	19.83	212	678118	27.00	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.79	264	797227	27.58	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	7.21	94	16210	2.546	ng/ul 97
16) 4-Methylphenol	8.80	108	8328	1.510	ng/ul 97
28) Naphthalene	10.90	128	135649	8.136	ng/ul 97
34) 2-Methylnaphthalene	12.51	142	58653	4.426	ng/ul 95
40) 1,1'-Biphenyl	13.52	154	23240	1.439	ng/ul 95
44) Dimethylphthalate	14.13	163	142785	8.347	ng/ul 98
47) Acenaphthylene	14.41	152	191977	9.664	ng/ul 99
49) Acenaphthene	14.75	153	138979	10.006	ng/ul 98
53) Dibenzofuran	15.09	168	241583	11.654	ng/ul 97
58) Fluorene	15.74	166	304218	18.220	ng/ul 98
69) Phenanthrene	17.49	178	2748237m	112.153	ng/ul
71) Anthracene	17.58	178	867162	34.891	ng/ul 99
74) Carbazole	17.84	167	522201	25.366	ng/ul 99
76) Fluoranthene	19.50	202	3018389	106.609	ng/ul# 92
79) Pyrene	19.86	202	2668929	88.170	ng/ul# 92
82) Benzo(a)anthracene	21.71	228	1776607	56.940	ng/ul 92
84) Chrysene	21.78	228	1664821m	57.168	ng/ul
87) Benzo(b)fluoranthene	23.98	252	2451923	70.608	ng/ul 96
88) Benzo(k)fluoranthene	24.03	252	840286m	25.167	ng/ul
90) Benzo(a)pyrene	24.86	252	1910533	57.736	ng/ul 94
91) Indeno(1,2,3-cd)pyrene	28.76	276	1381939	35.805	ng/ul 96
92) Dibenzo(a,h)anthracene	28.81	278	330601m	10.501	ng/ul
93) Benzo(g,h,i)perylene	29.93	276	1168169	36.251	ng/ul 98

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Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETOC8

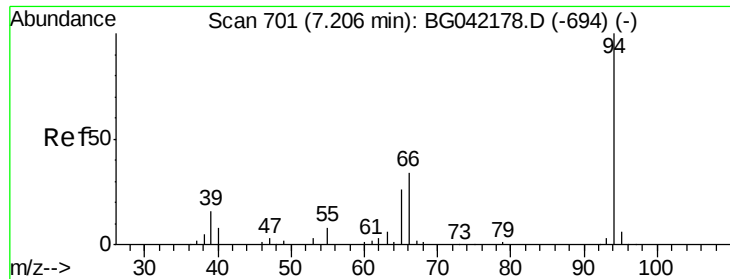
Manual Integrations
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Quant Time: Aug 14 05:25:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 02:56:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

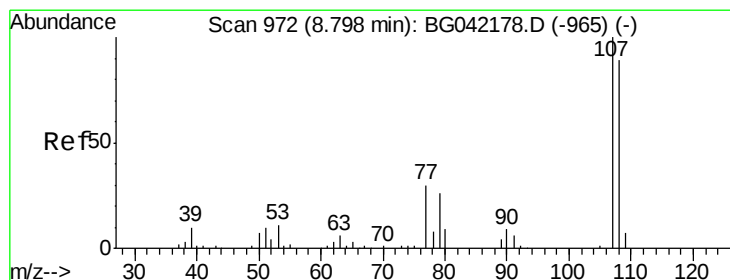
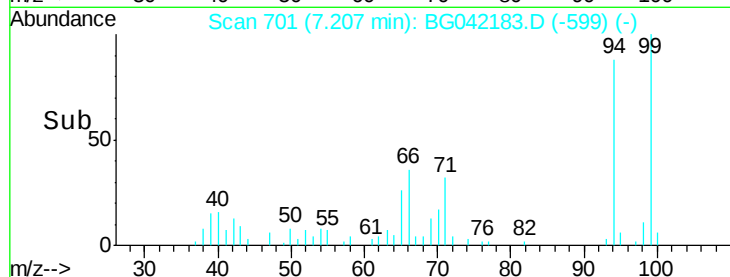
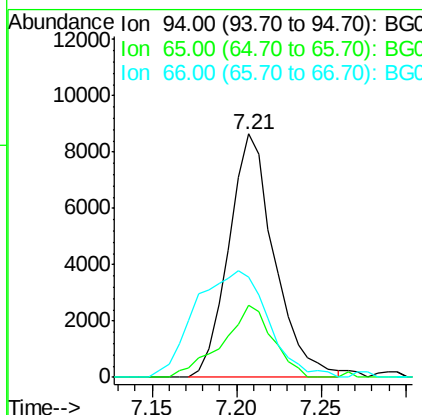
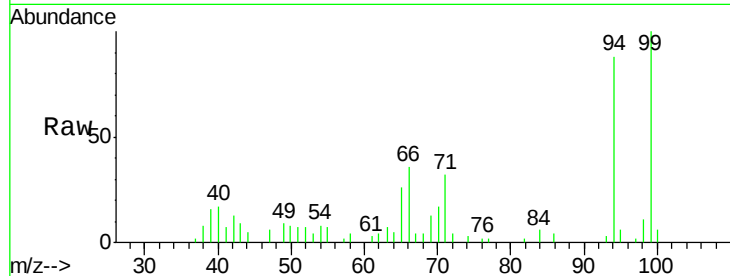
Concen: 2.546 ng/ul
 RT: 7.21 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

Instrument :
 BNA_G
 ClientSampled :
 ETOC8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100		16210		
65	29.6	25.8	38.6		
66	41.4	31.8	47.8		

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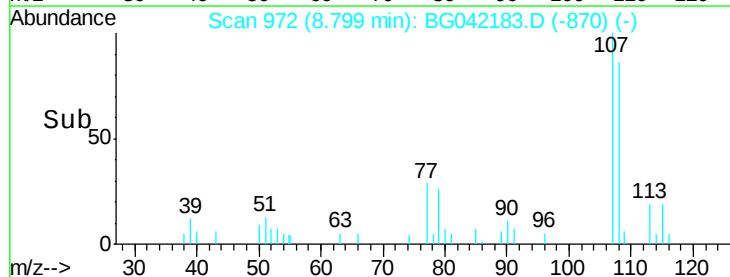
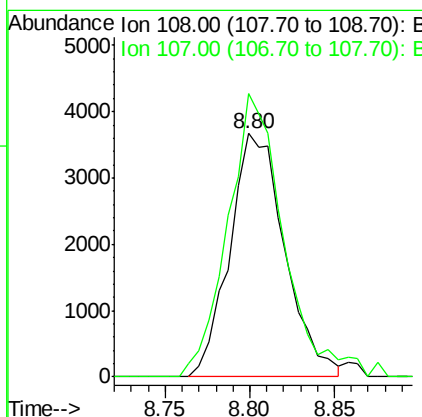
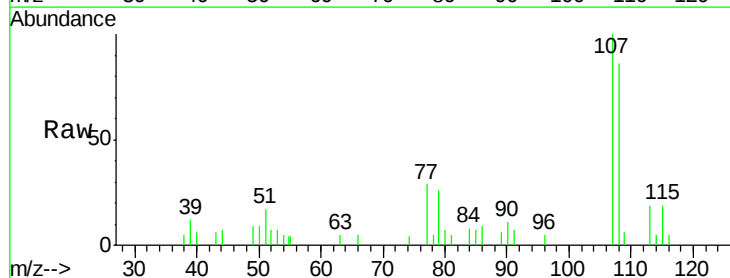


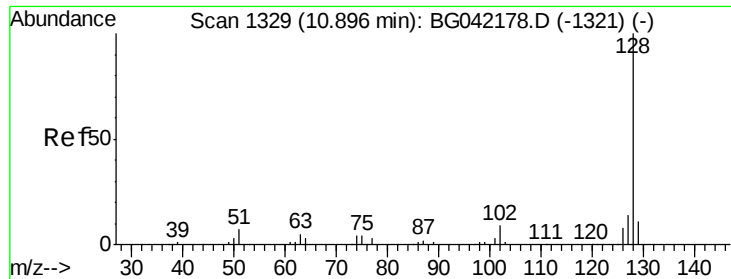
#16

4-Methylphenol

Concen: 1.510 ng/ul
 RT: 8.80 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
108	100		8328		
107	116.4	96.2	144.2		





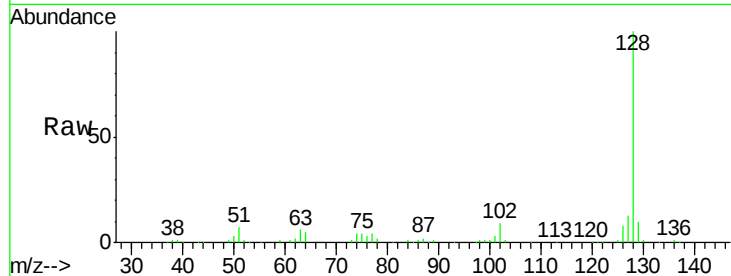
#28
Naphthalene
Concen: 8.136 ng/ul
RT: 10.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Instrument :
BNA_G
ClientSampleId :
ETOC8

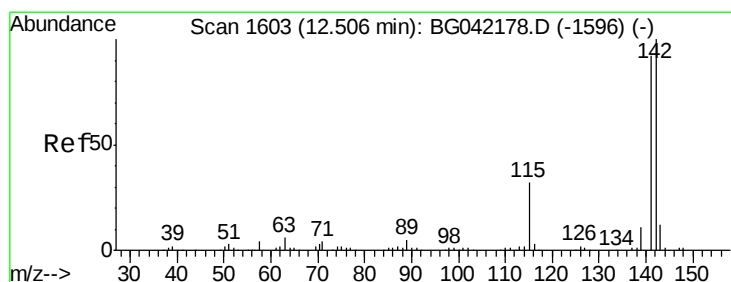
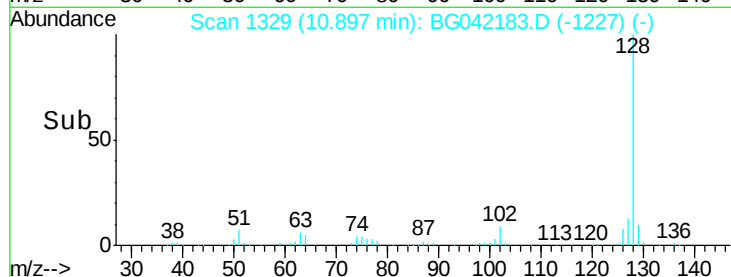
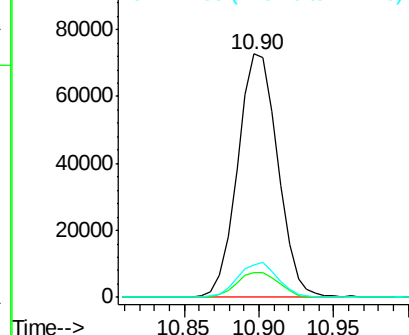
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.5	14.3
127	13.5	11.4	17.0

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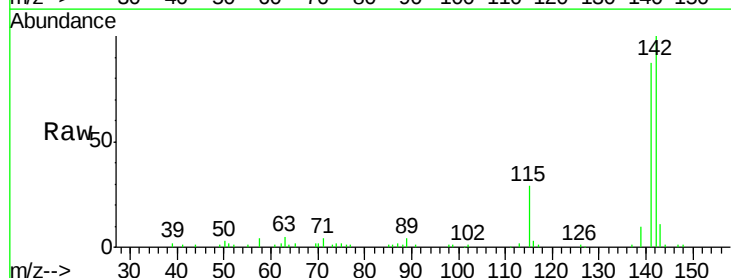


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

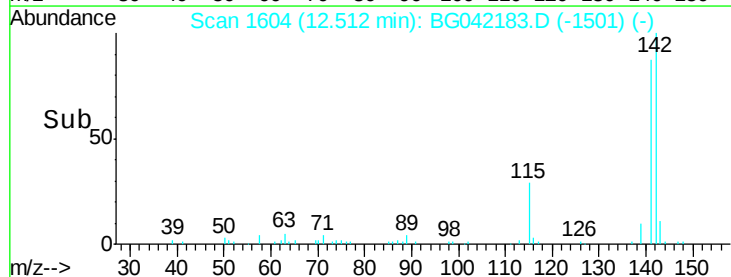
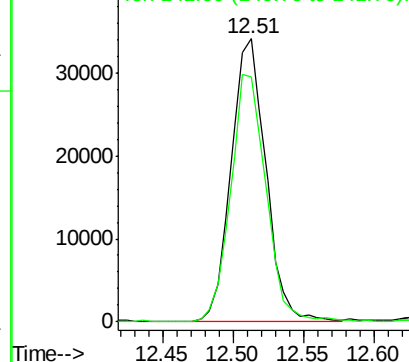


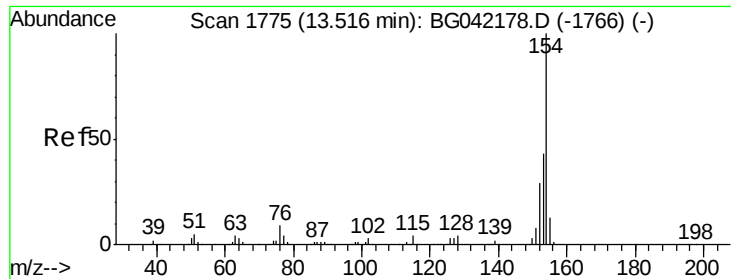
#34
2-Methylnaphthalene
Concen: 4.426 ng/ul
RT: 12.51 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	72.9	109.3



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





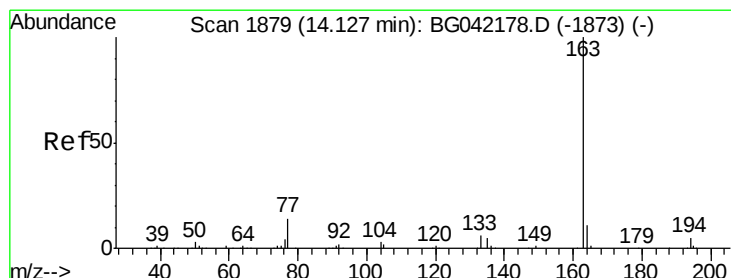
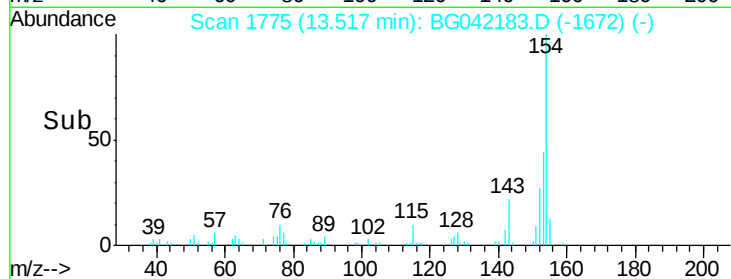
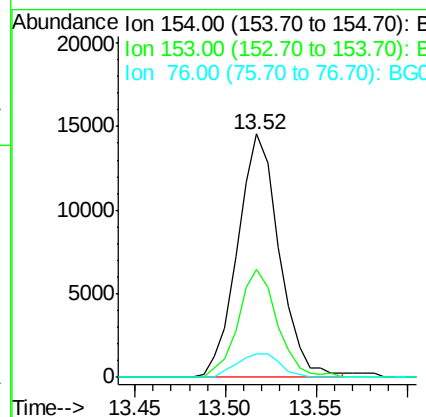
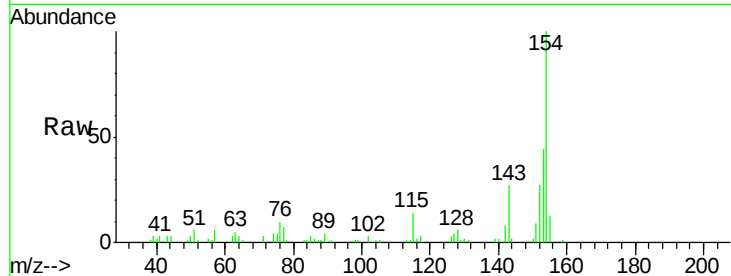
#40
 1,1'-Biphenyl
 Concen: 1.439 ng/ul
 RT: 13.52 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

Instrument :
 BNA_G
 ClientSampleId :
 ETOC8

Tot Ion:	154	Resp:	23240
Ion Ratio	Lower	Upper	
154	100		
153	44.2	32.6	48.8
76	9.8	8.6	13.0

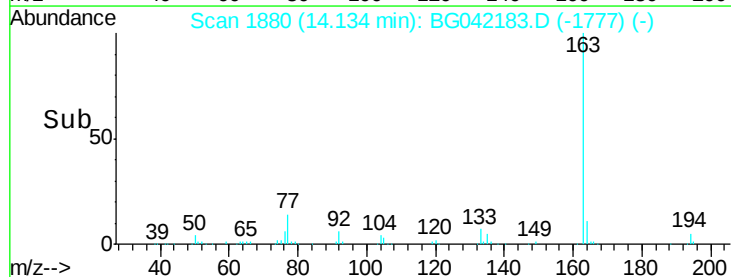
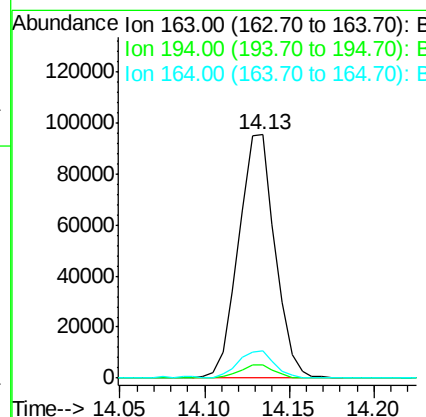
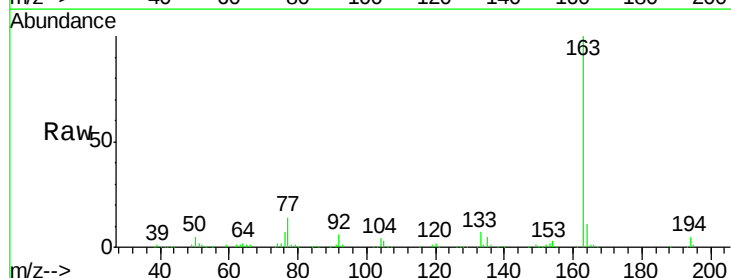
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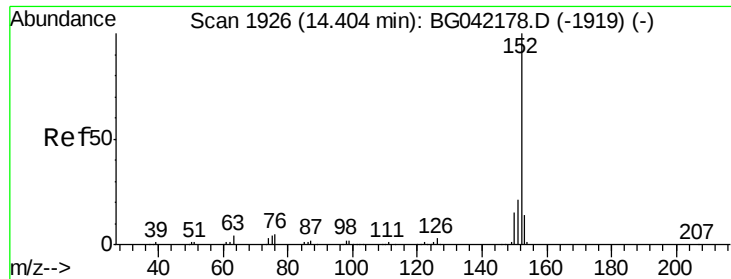
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#44
 Dimethylphthalate
 Concen: 8.347 ng/ul
 RT: 14.13 min Scan# 1880
 Delta R.T. 0.00 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

Tgt Ion:	163	Resp:	142785
Ion Ratio	Lower	Upper	
163	100		
194	5.4	4.2	6.2
164	11.0	7.8	11.8





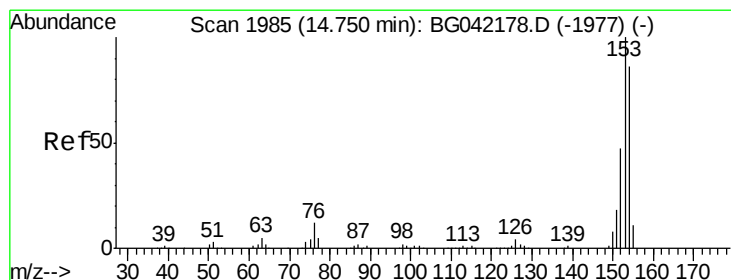
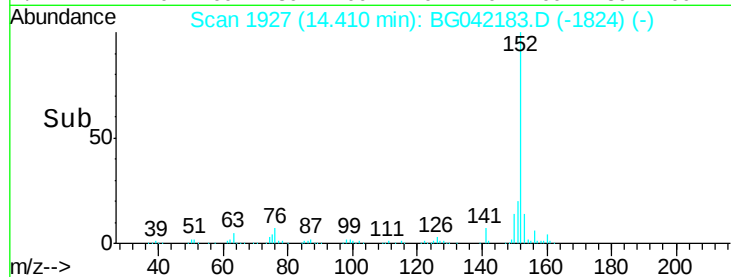
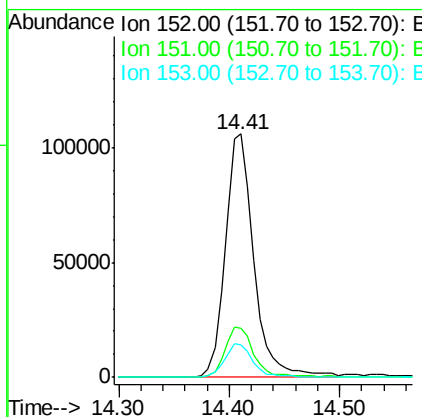
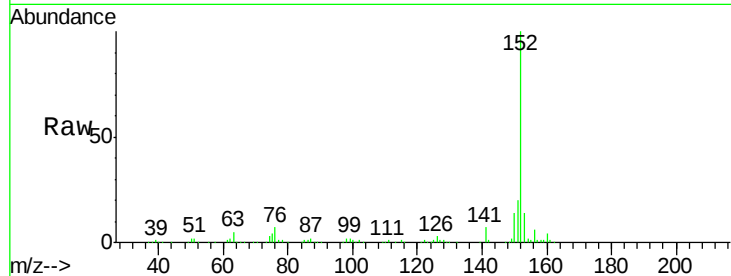
#47
Acenaphthylene
Concen: 9.664 ng/ul
RT: 14.41 min Scan# 1927
Delta R.T. 0.00 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Instrument :
BNA_G
ClientSampleId :
ETOC8

Tot Ion	Ratio	Resp	Lower	Upper
152	100	191977		
151	20.4		16.8	25.2
153	13.6		10.3	15.5

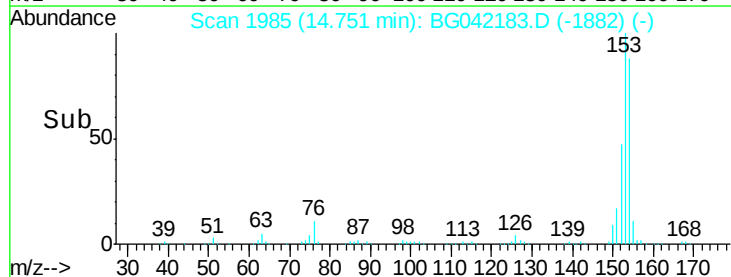
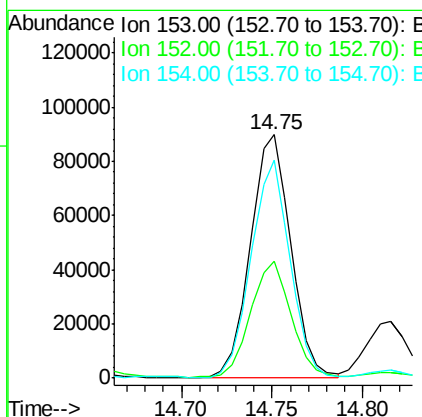
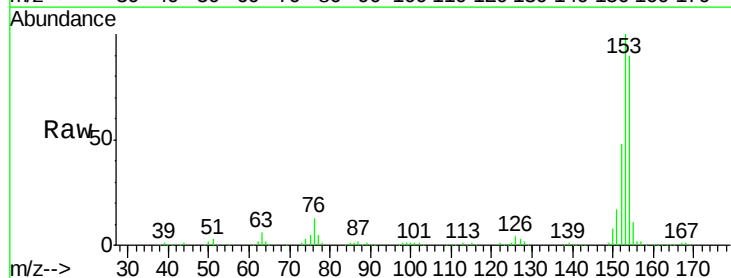
Manual Integrations
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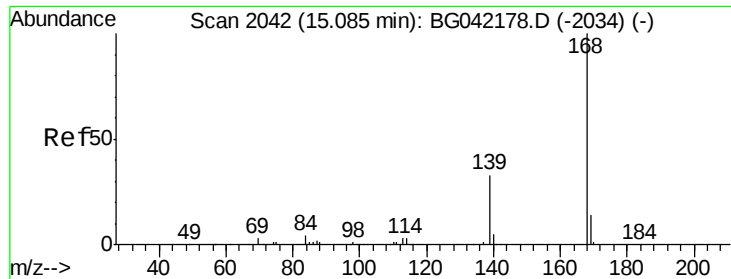
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#49
Acenaphthene
Concen: 10.006 ng/ul
RT: 14.75 min Scan# 1985
Delta R.T. 0.00 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	138979		
152	48.0		37.8	56.8
154	89.7		69.4	104.2





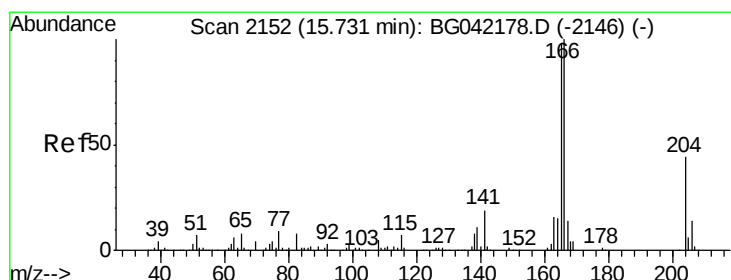
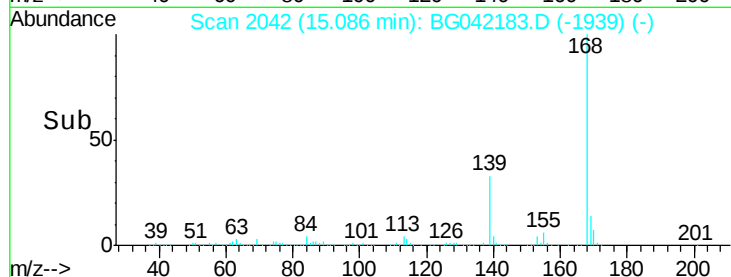
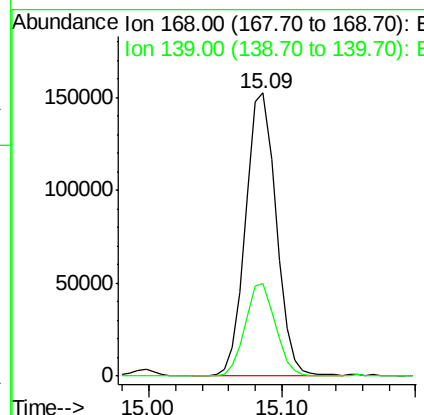
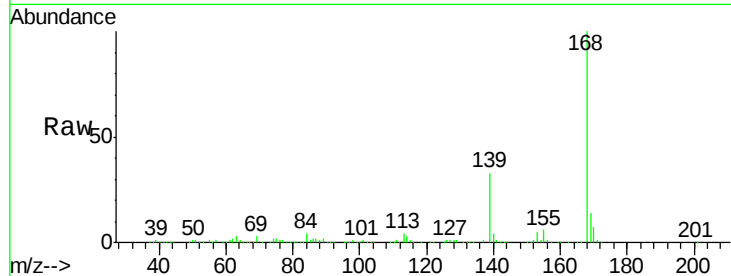
#53
Dibenzenofuran
Concen: 11.654 ng/ul
RT: 15.09 min Scan# 2042
Delta R.T. 0.00 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Instrument :
BNA_G
ClientSampleId :
ETOC8

Tot Ion	Ratio	Lower	Upper
168	100		
139	32.6	27.3	40.9

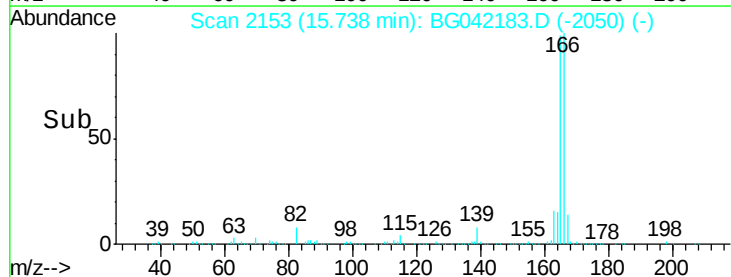
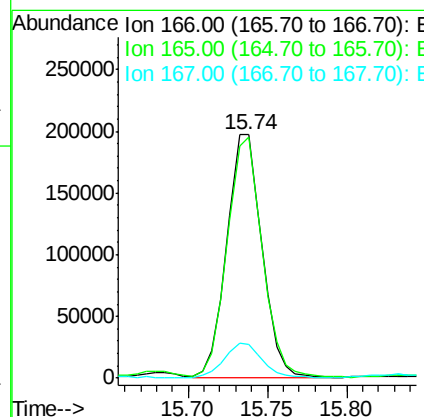
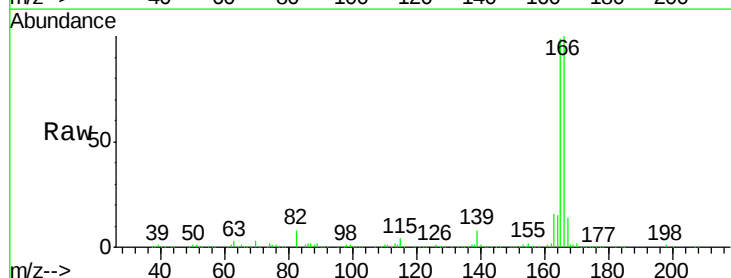
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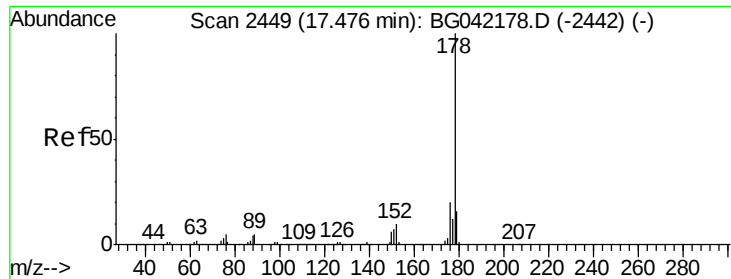
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#58
Fluorene
Concen: 18.220 ng/ul
RT: 15.74 min Scan# 2153
Delta R.T. 0.00 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	81.1	121.7
167	13.7	11.0	16.4





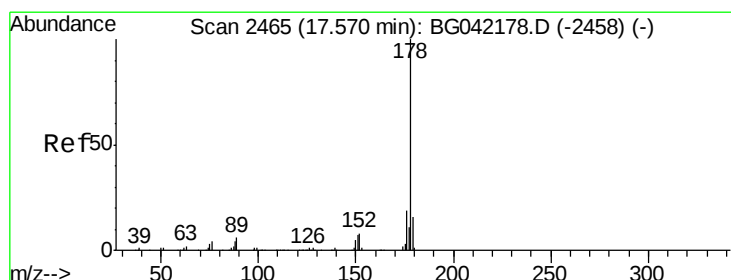
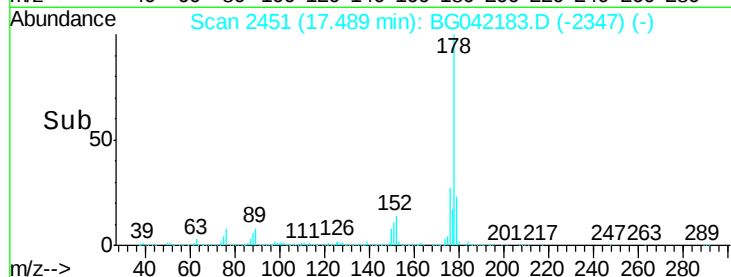
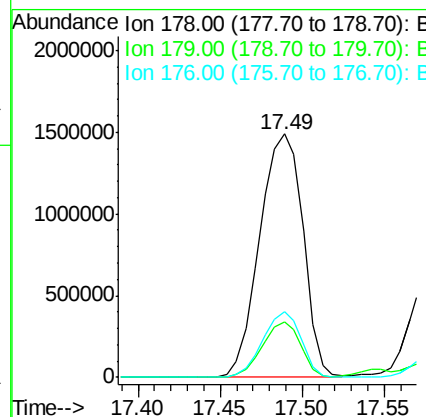
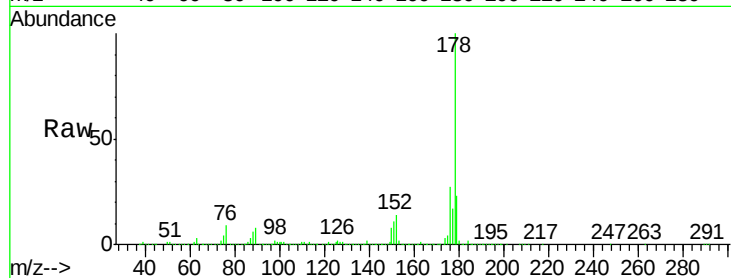
#69
Phenanthrene
Concen: 112.153 ng/ul m
RT: 17.49 min Scan# 2451
Delta R.T. 0.01 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Instrument :
BNA_G
ClientSampleId :
ETOC8

Tot Ion	Ratio	Lower	Upper
178	100		
179	22.8	12.8	19.2#
176	27.2	15.4	23.2#

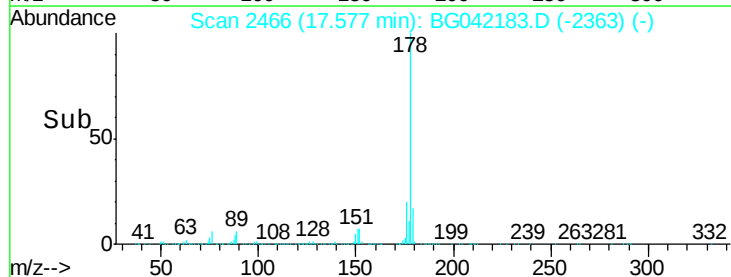
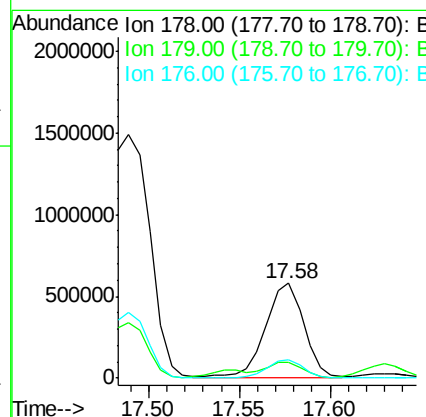
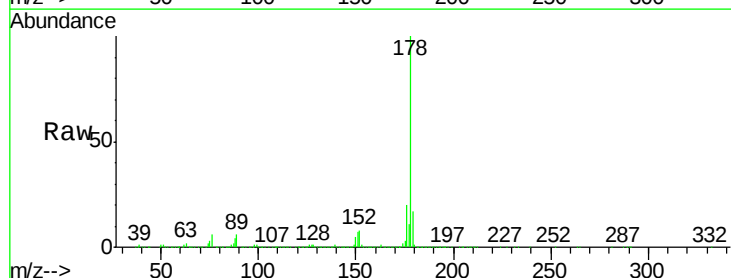
Manual Integrations
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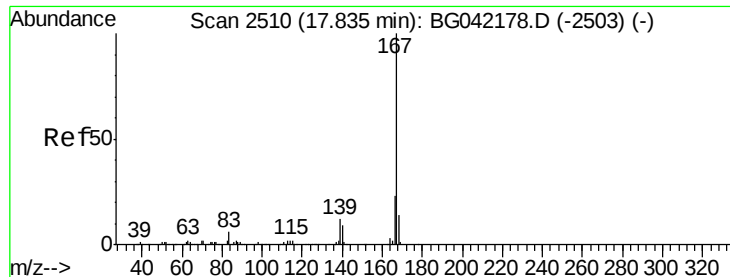
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#71
Anthracene
Concen: 34.891 ng/ul
RT: 17.58 min Scan# 2466
Delta R.T. 0.00 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.6	13.4	20.0
176	19.7	15.4	23.2





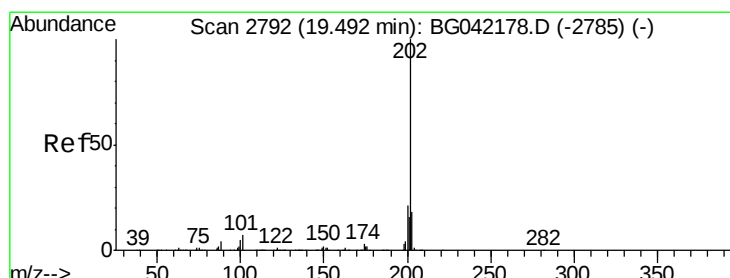
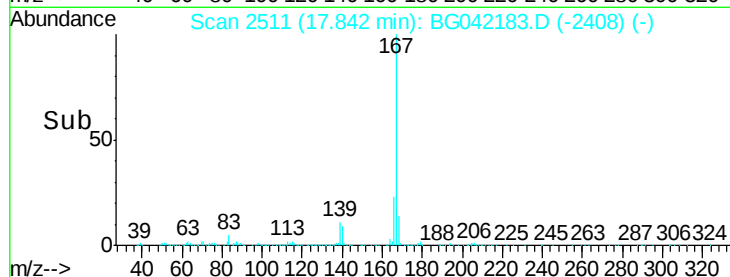
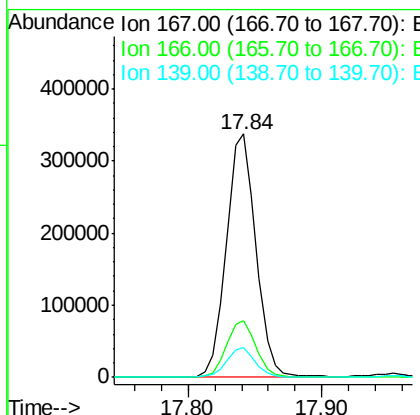
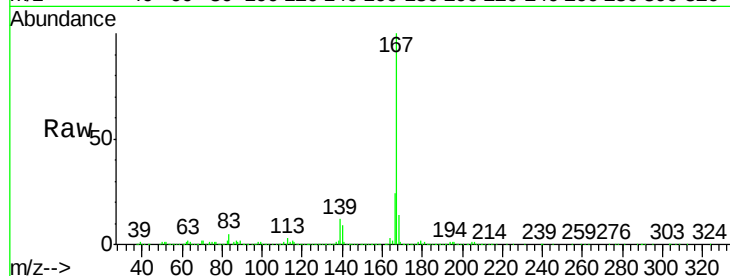
#74
 Carbazole
 Concen: 25.366 ng/ul
 RT: 17.84 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

Instrument :
 BNA_G
 ClientSampleId :
 ETOC8

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.2	27.4
139	12.2	9.6	14.4

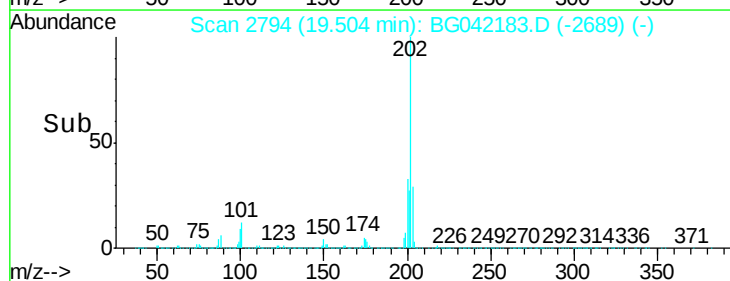
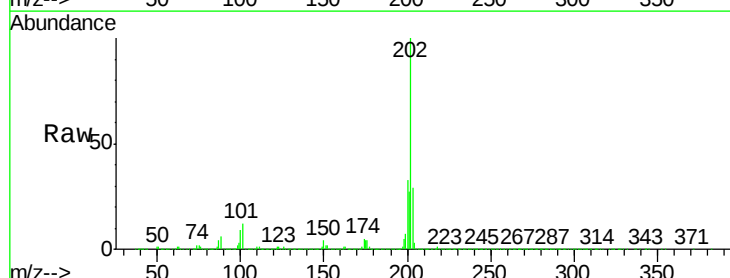
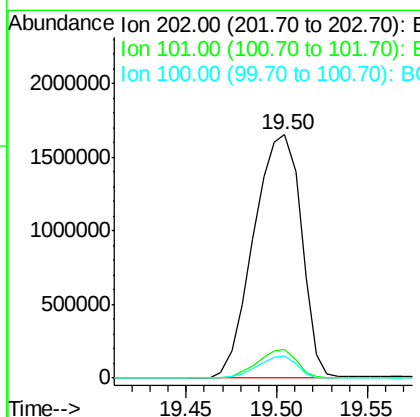
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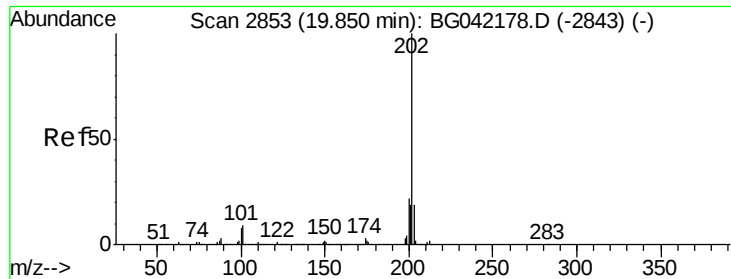
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#76
 Fluoranthene
 Concen: 106.609 ng/ul
 RT: 19.50 min Scan# 2794
 Delta R.T. 0.02 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	6.7	10.1#
100	9.2	5.3	7.9#





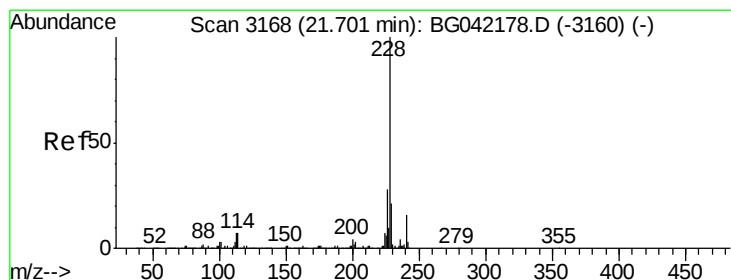
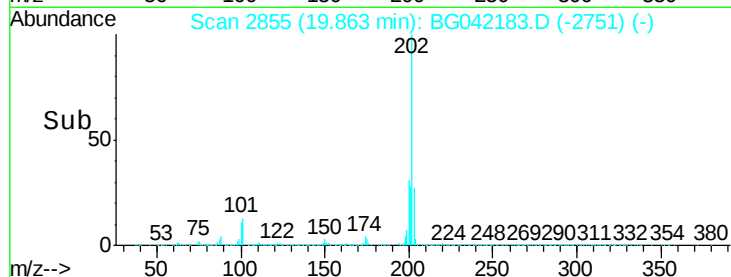
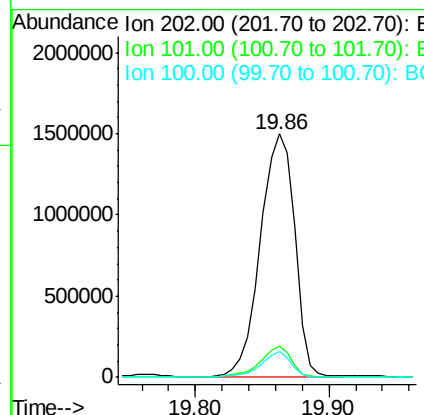
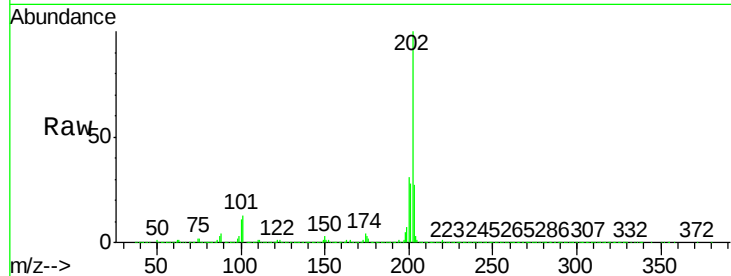
#79
Pvrene
Concen: 88.170 ng/ul
RT: 19.86 min Scan# 2855
Delta R.T. 0.01 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Instrument :
BNA_G
ClientSampleId :
ETOC8

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	7.6	11.4#
100	10.8	6.5	9.7#

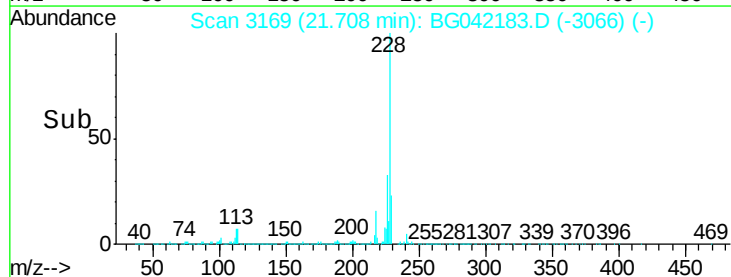
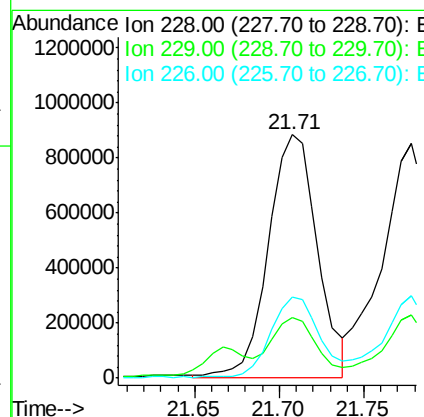
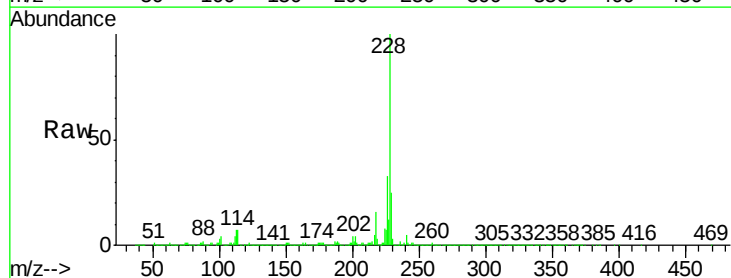
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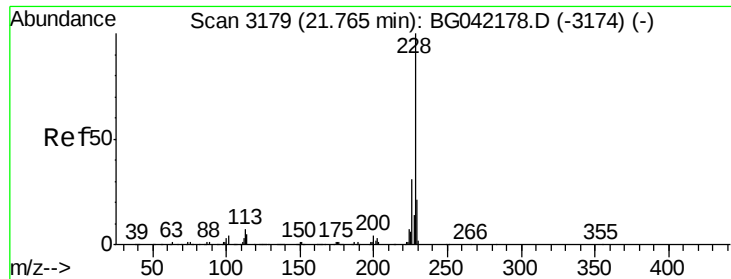
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#82
Benzo(a)anthracene
Concen: 56.940 ng/ul
RT: 21.71 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.8	17.0	25.6
226	33.4	23.3	34.9





#84

Chrysene

Concen: 57.168 ng/ul m

RT: 21.78 min Scan# 3181

Delta R.T. 0.01 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

Instrument :

BNA_G

ClientSampleId :

ETOC8

Tot Ion:228 Resp: 1664821

Ion Ratio Lower Upper

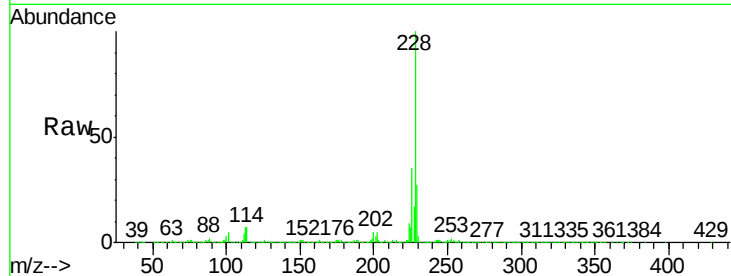
228 100

226 35.1 25.7 38.5

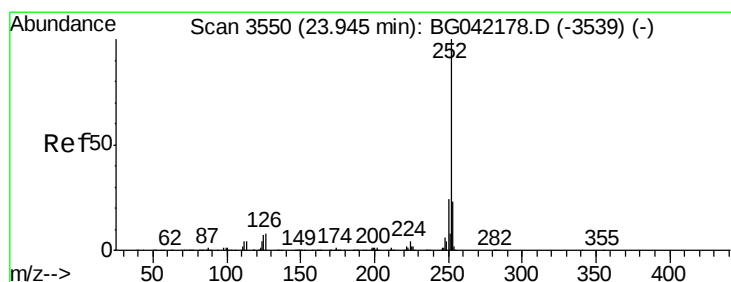
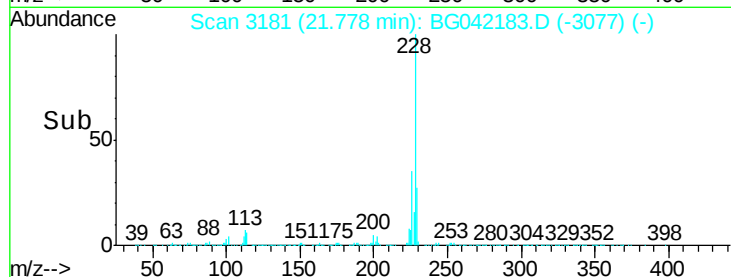
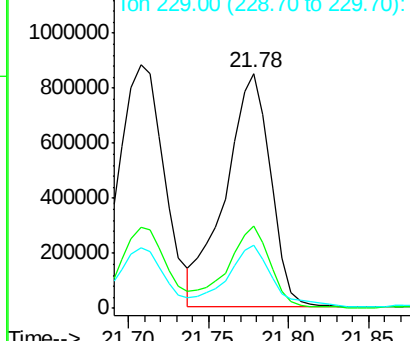
229 26.9 16.6 24.8#

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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



#87

Benzo(b)fluoranthene

Concen: 70.608 ng/ul

RT: 23.98 min Scan# 3555

Delta R.T. 0.03 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

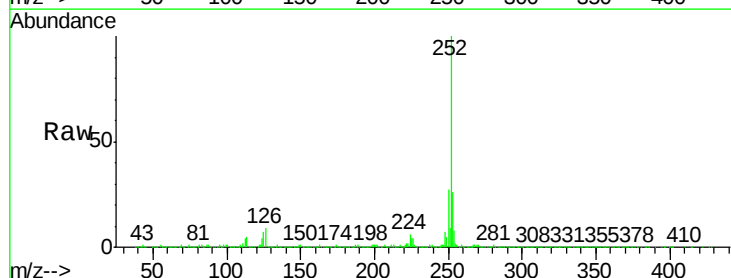
Tgt Ion:252 Resp: 2451923

Ion Ratio Lower Upper

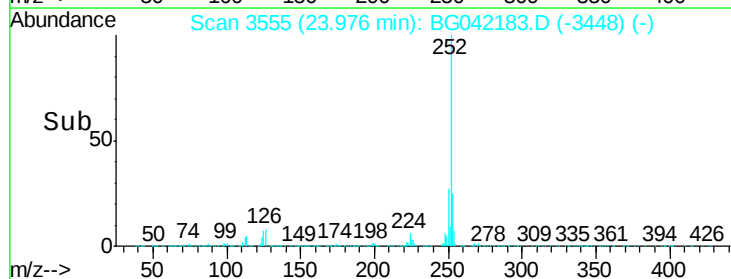
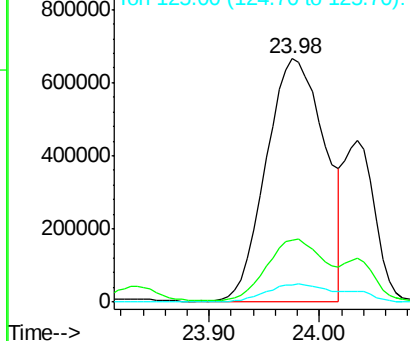
252 100

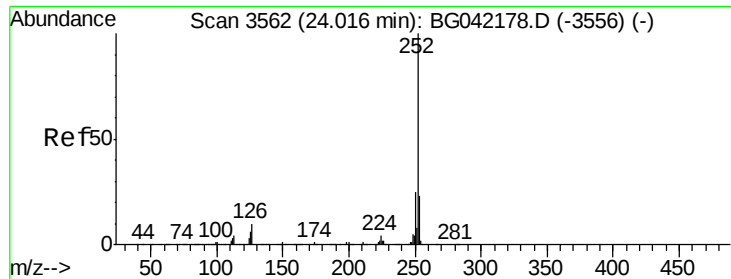
253 25.7 18.4 27.6

125 7.1 5.8 8.8



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: 25.167 ng/ul m

RT: 24.03 min Scan# 3565

Delta R.T. 0.02 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

Instrument :

BNA_G

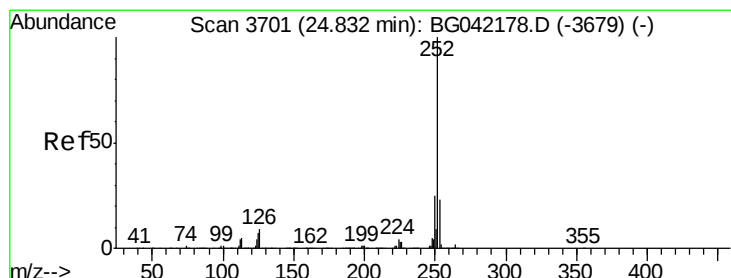
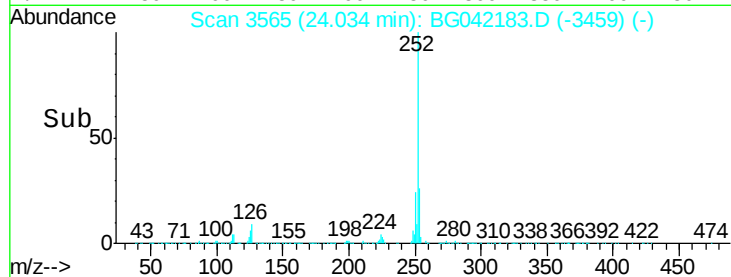
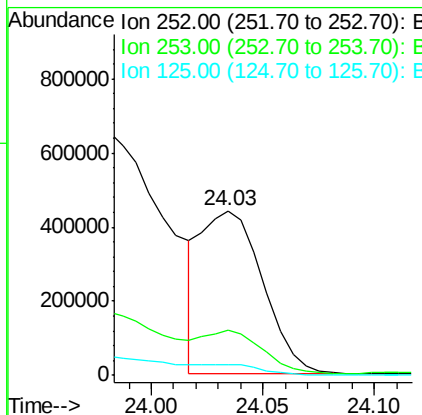
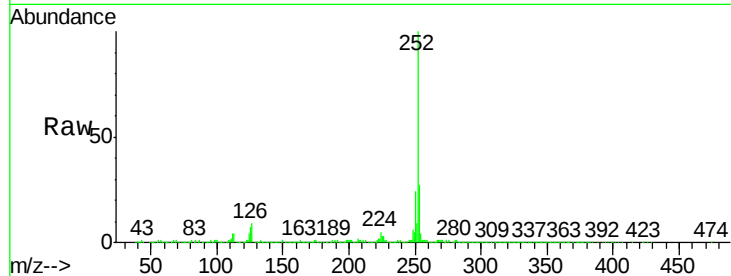
ClientSampleId :

ETOC8

Tot Ion:	252	Resp:	840286
Ion Ratio	Lower	Upper	
252	100		
253	27.2	18.3	27.5
125	6.7	5.5	8.3

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#90

Benzo(a)pyrene

Concen: 57.736 ng/ul

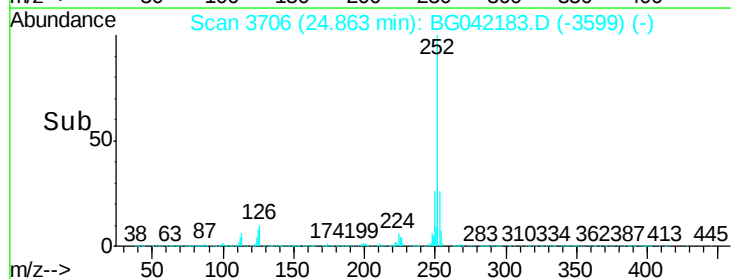
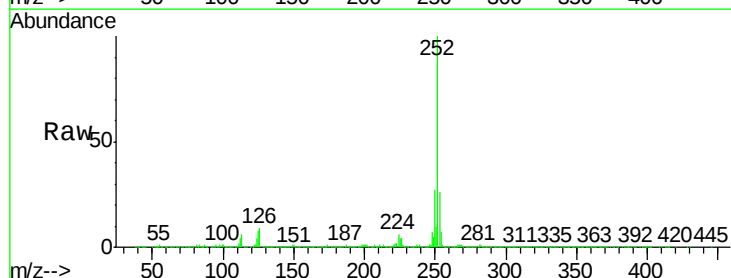
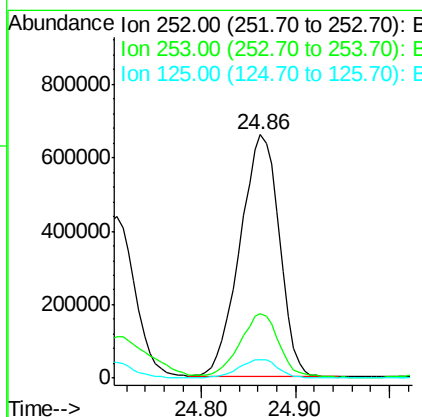
RT: 24.86 min Scan# 3706

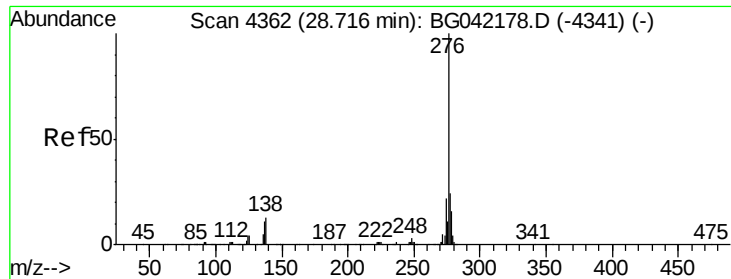
Delta R.T. 0.03 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

Tgt Ion:	252	Resp:	1910533
Ion Ratio	Lower	Upper	
252	100		
253	26.4	18.3	27.5
125	7.8	6.5	9.7





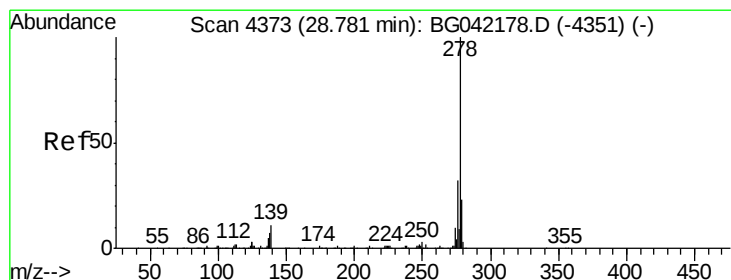
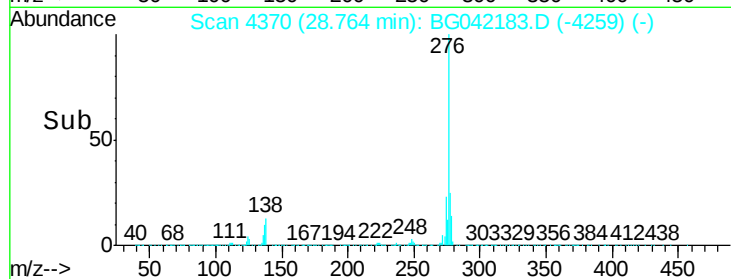
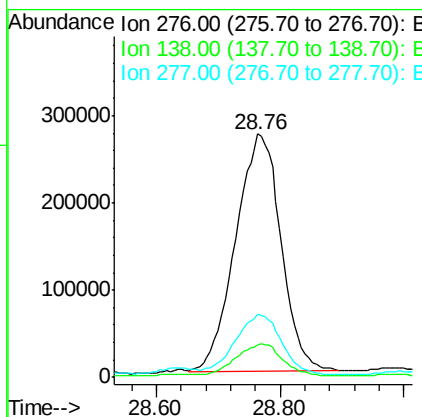
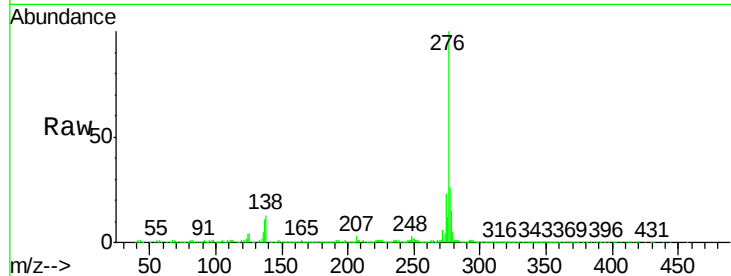
#91
Indeno(1,2,3-cd)pyrene
Concen: 35.805 ng/ul
RT: 28.76 min Scan# 4370
Delta R.T. 0.05 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Instrument :
BNA_G
ClientSampleId :
ETOC8

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.3	12.0	18.0
277	26.2	19.2	28.8

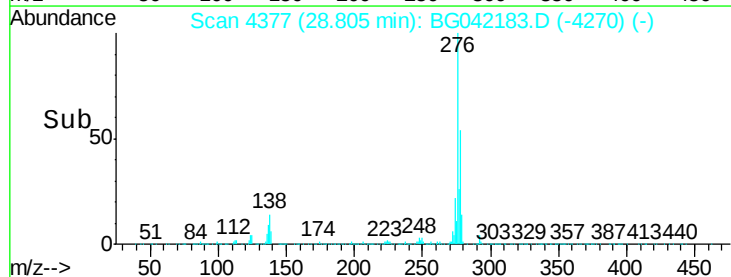
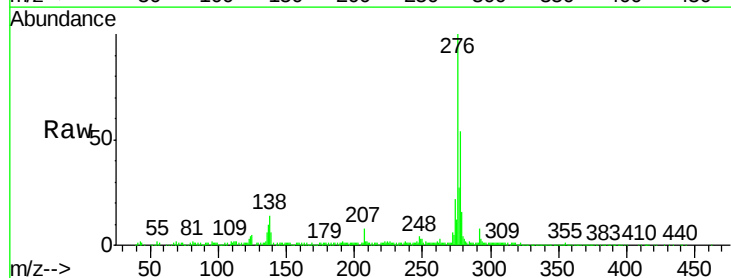
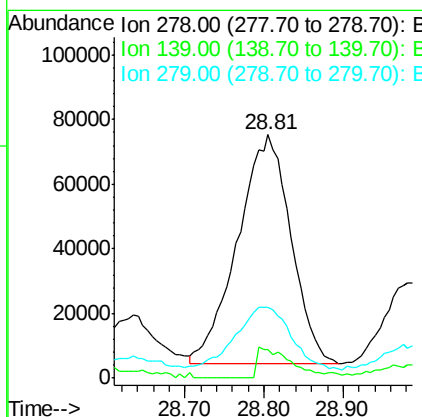
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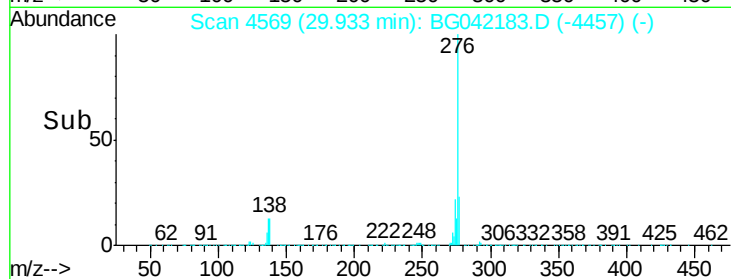
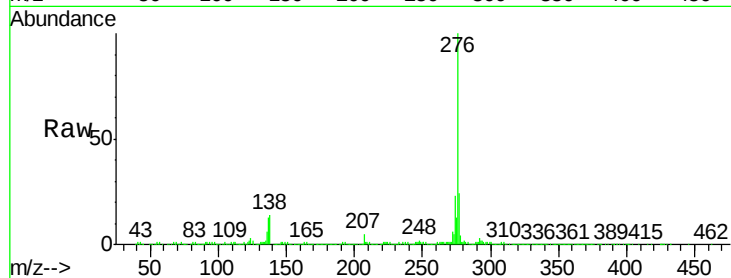
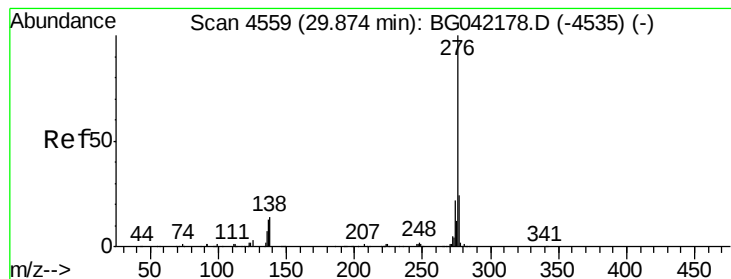
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#92
Dibenzo(a,h)anthracene
Concen: 10.501 ng/ul m
RT: 28.81 min Scan# 4377
Delta R.T. 0.03 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.9	9.4	14.0
279	29.3	19.2	28.8





#93

Benzo(a,h,i)perylene

Concen: 36.251 ng/ul

RT: 29.93 min Scan# 4569

Delta R.T. 0.06 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

Instrument :

BNA_G

ClientSampleId :

ETOC8

Tot Ion: 276 Resp: 1168169

Ion Ratio Lower Upper

276 100

138 13.7 12.6 18.8

277 24.5 19.2 28.8

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