

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042212.D
 Acq On : 14 Aug 2019 16:26
 Operator : HP/JU
 Sample : K4215-15DL 2X
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 ET0C8DL

Manual Integrations
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mohammad
 8/15/2019 5:12:04 PM

Quant Time: Aug 15 10:35:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 10:42:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	81019	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	338764	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.68	164	229510	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	458939	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	444979	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	540471	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	3011	1.63	ng/uL	0.00
5) Phenol-d5	7.18	99	66251	10.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	35236	9.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	64913	11.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	57049	10.69	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	32414	12.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	39508	13.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	76321	12.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	71373	10.76	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	241611	13.57	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	288362	14.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	20876m	6.98	ng/ul	0.00
57) Fluorene-d10	15.68	176	217057	13.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	16083	5.46	ng/ul	0.00
70) Anthracene-d10	17.54	188	329932	14.98	ng/ul	0.00
78) Pyrene-d10	19.82	212	370255	14.91	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	425753	15.08	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.21	94	9312	1.419 ng/ul#	90
28) Naphthalene	10.90	128	76007	4.389 ng/ul	99
34) 2-Methylnaphthalene	12.52	142	31444	2.284 ng/ul	97
44) Dimethylphthalate	14.13	163	78985	4.469 ng/ul	98
47) Acenaphthylene	14.41	152	105068	5.120 ng/ul	99
49) Acenaphthene	14.75	153	75444	5.257 ng/ul	98
53) Dibenzofuran	15.08	168	132152	6.171 ng/ul	100
58) Fluorene	15.74	166	168726	9.781 ng/ul	97
69) Phenanthrene	17.49	178	1746880	69.528 ng/ul	93
71) Anthracene	17.57	178	488542	19.172 ng/ul	99
74) Carbazole	17.84	167	288633	13.674 ng/ul	99
76) Fluoranthene	19.50	202	1989372	68.529 ng/ul	97
79) Pyrene	19.86	202	1683243	56.236 ng/ul	98
82) Benzo(a)anthracene	21.70	228	1000063	32.414 ng/ul	97
84) Chrysene	21.77	228	935640m	32.492 ng/ul	
87) Benzo(b)fluoranthene	23.96	252	1314078	38.744 ng/ul	98
88) Benzo(k)fluoranthene	24.02	252	516109m	15.826 ng/ul	
90) Benzo(a)pyrene	24.85	252	1046444	32.377 ng/ul	96
91) Indeno(1,2,3-cd)pyrene	28.74	276	704661	18.692 ng/ul	98
92) Dibenzo(a,h)anthracene	28.78	278	167191	5.437 ng/ul	93
93) Benzo(a,h,i)perylene	29.90	276	594313	18.883 ng/ul	98

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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

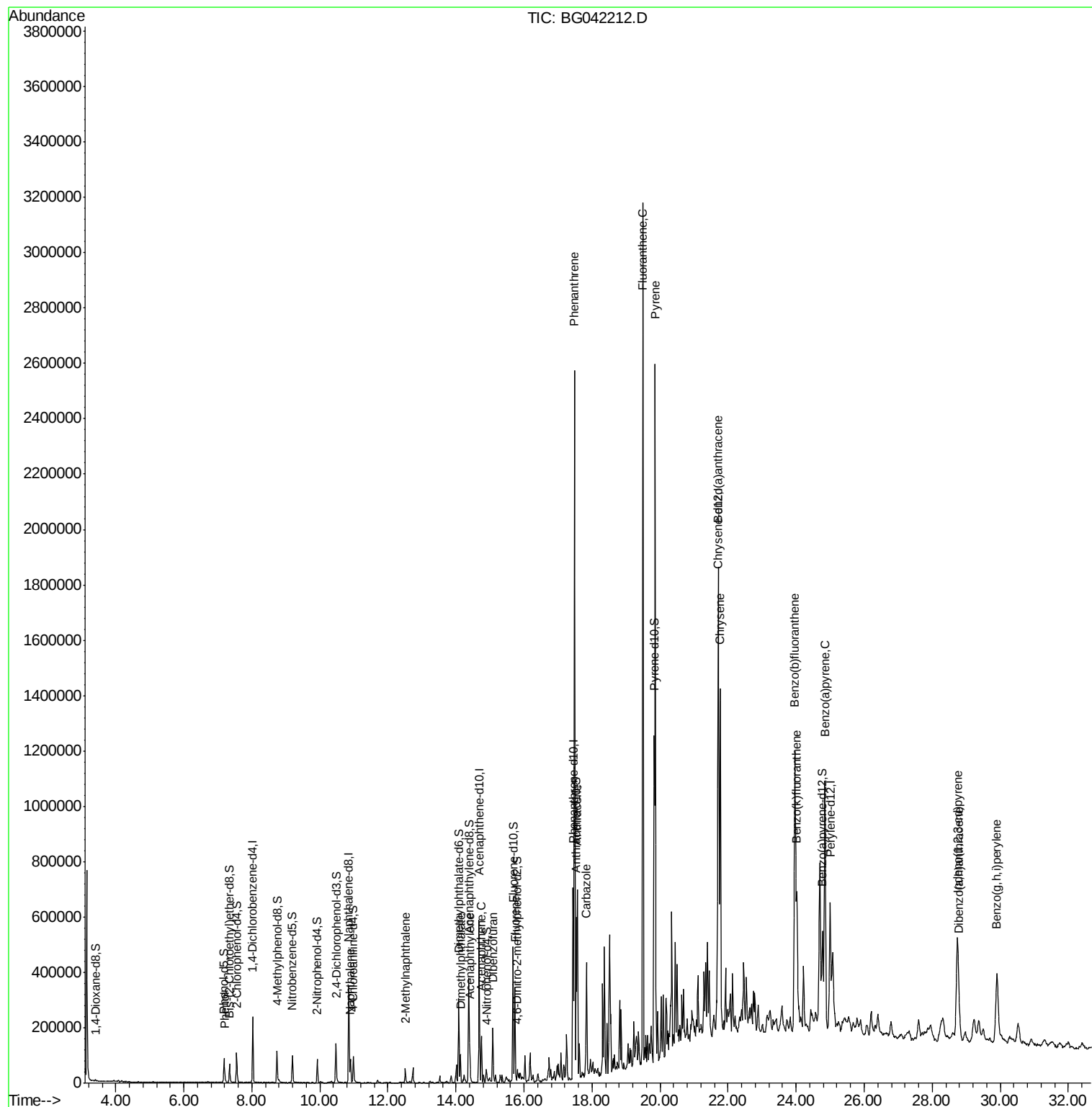
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042212.D
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Sample : K4215-15DL 2X
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ALS Vial : 74 Sample Multiplier: 1

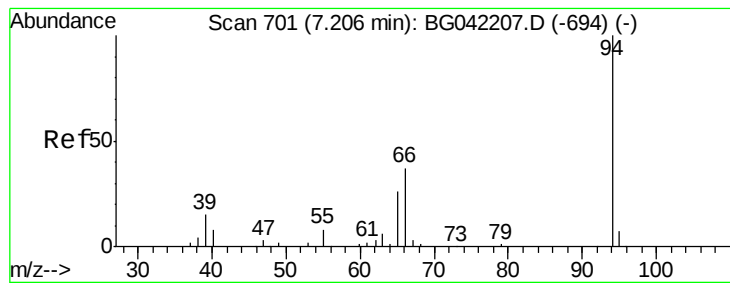
Instrument :
BNA_G
ClientSampleId :
ETOC8DL

Quant Time: Aug 15 10:35:58 2019
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#6

Phenol

Concen: 1.419 ng/ul

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

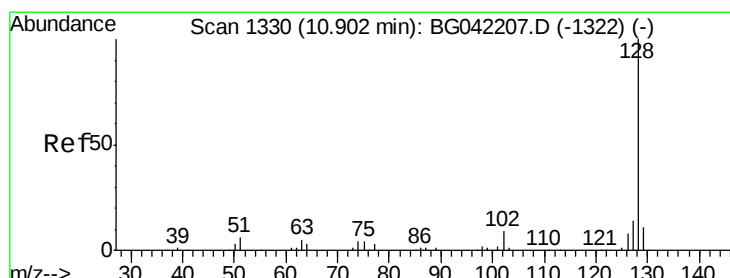
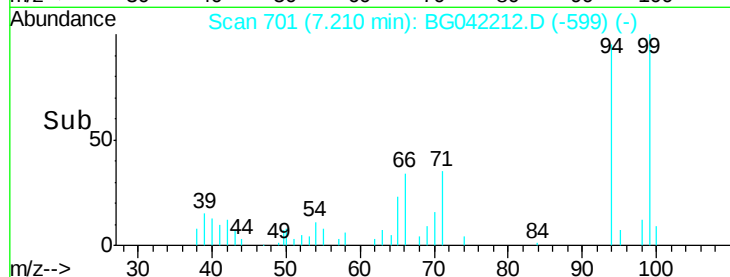
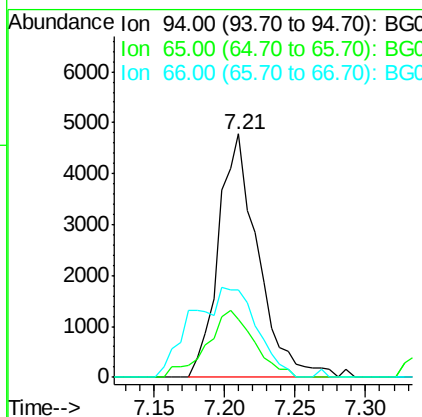
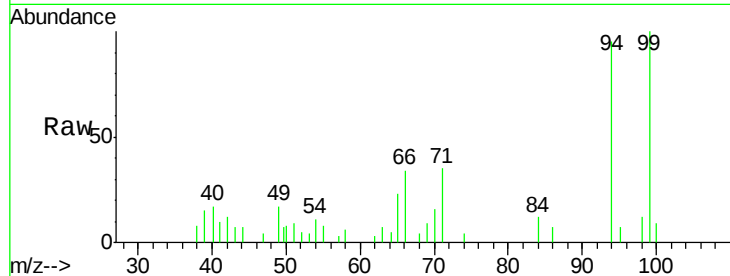
ClientSampleId :

ETOC8DL

Tot Ion:	94	Resp:	9312
Ion	Ratio	Lower	Upper
94	100		
65	23.7	25.8	38.6#
66	36.0	31.8	47.8

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#28

Naphthalene

Concen: 4.389 ng/ul

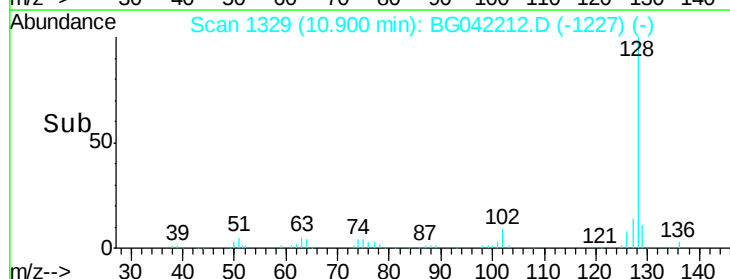
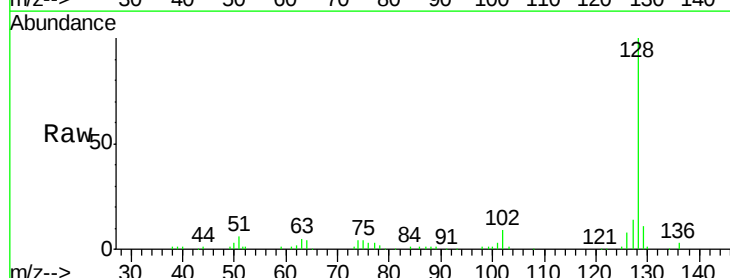
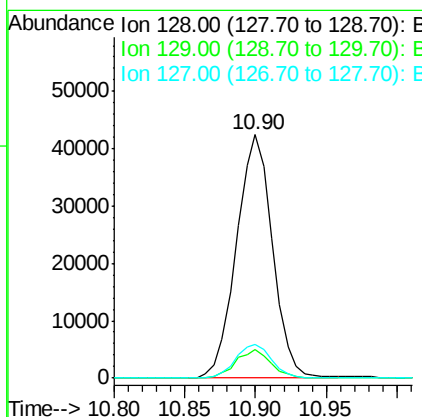
RT: 10.90 min Scan# 1329

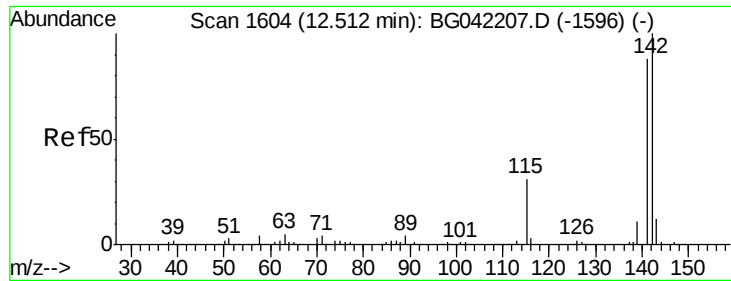
Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Tgt Ion:	128	Resp:	76007
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.5	14.3
127	14.0	11.4	17.0





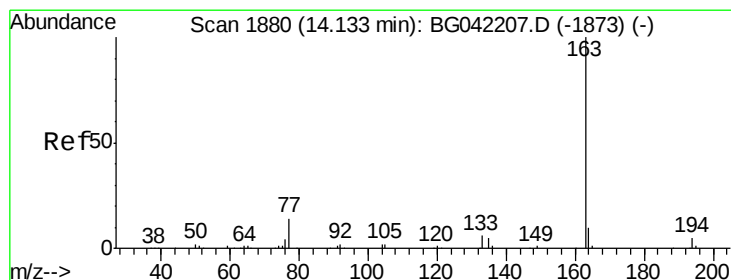
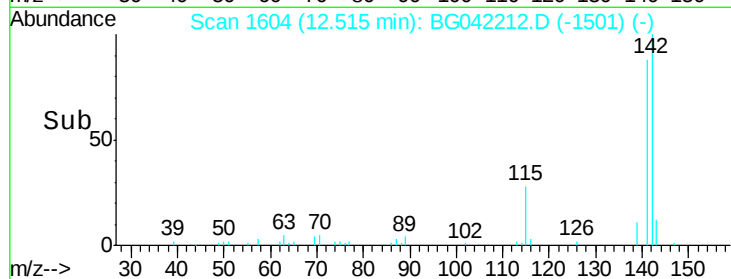
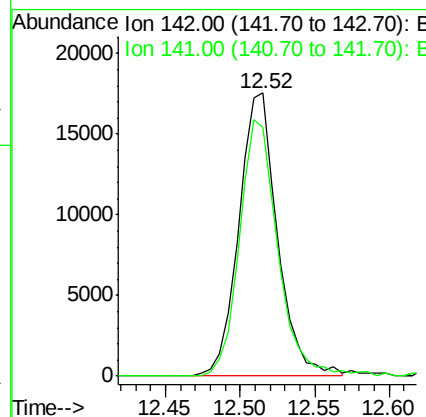
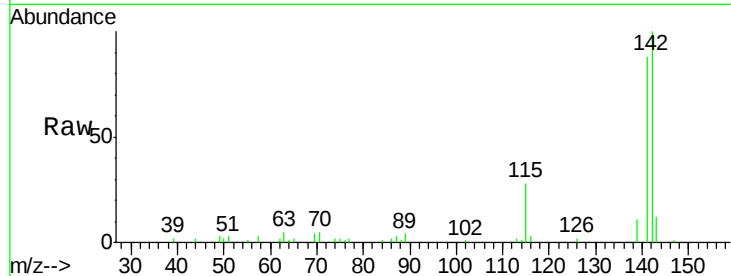
#34
 2-Methylnaphthalene
 Concen: 2.284 ng/ul
 RT: 12.52 min Scan# 1604
 Delta R.T. 0.01 min
 Lab File: BG042212.D
 Acq: 14 Aug 2019 16:26

Instrument :
 BNA_G
 ClientSampleId :
 ETOC8DL

Tot Ion:142 Resp: 31444
 Ion Ratio Lower Upper
 142 100
 141 87.9 72.9 109.3

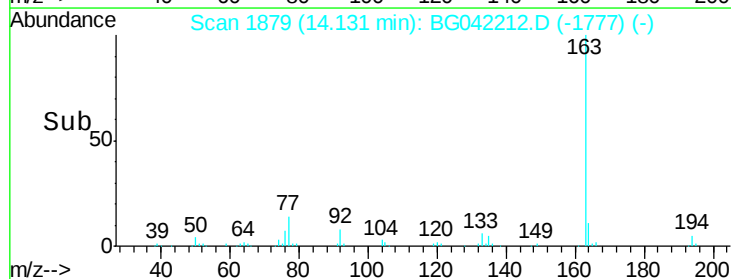
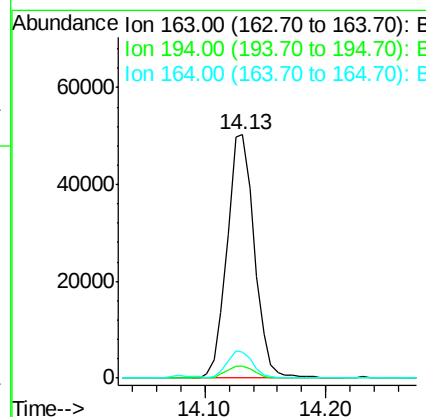
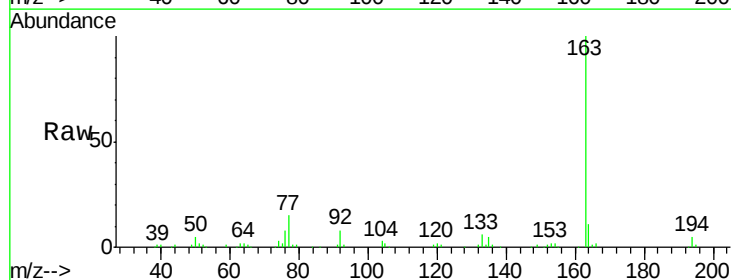
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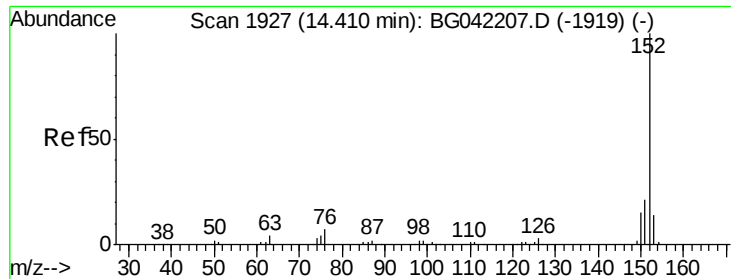
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#44
 Dimethylphthalate
 Concen: 4.469 ng/ul
 RT: 14.13 min Scan# 1879
 Delta R.T. 0.00 min
 Lab File: BG042212.D
 Acq: 14 Aug 2019 16:26

Tgt Ion:163 Resp: 78985
 Ion Ratio Lower Upper
 163 100
 194 4.8 4.2 6.2
 164 10.8 7.8 11.8





#47

Acenaphthylene

Concen: 5.120 ng/ul

RT: 14.41 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

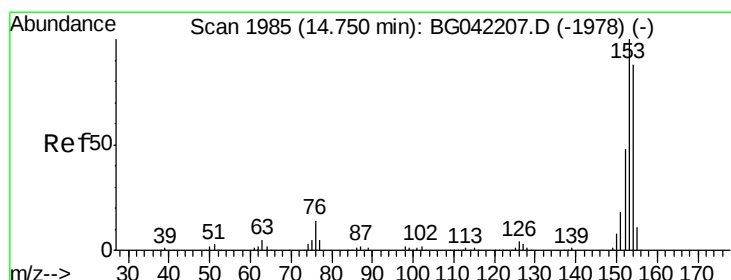
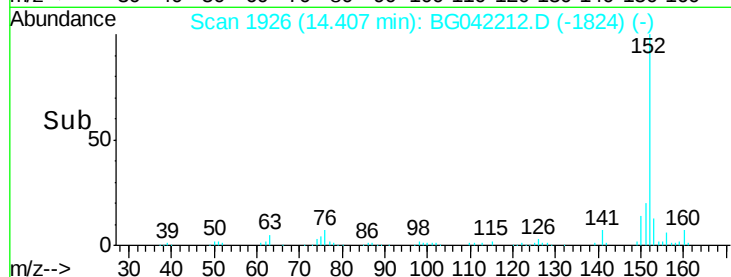
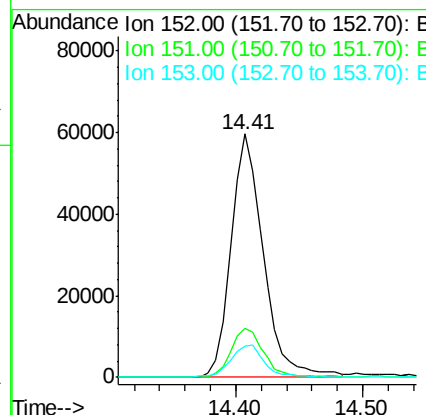
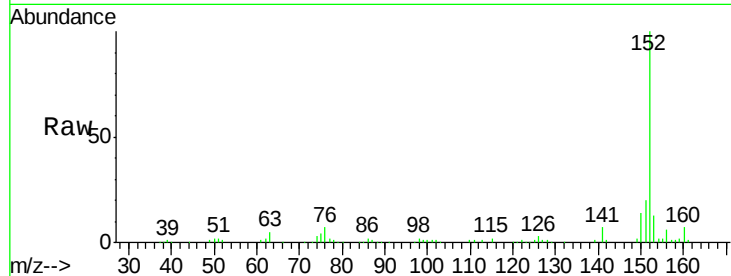
ClientSampleId :

ETOC8DL

Tot Ion:	152	Resp:	105068
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.8	25.2
153	12.9	10.3	15.5

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#49

Acenaphthene

Concen: 5.257 ng/ul

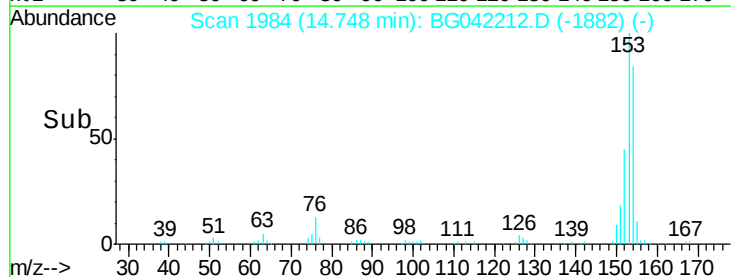
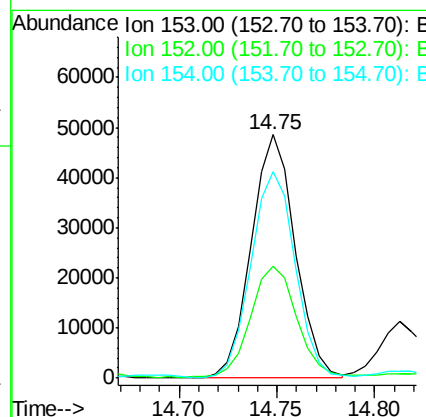
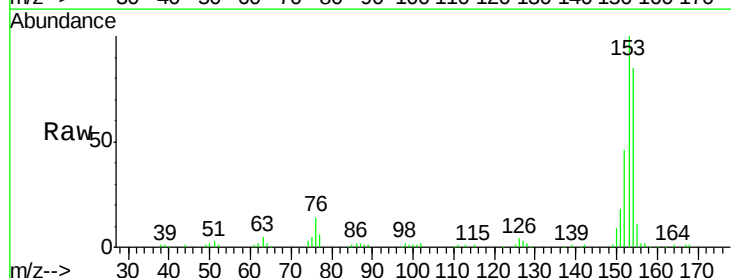
RT: 14.75 min Scan# 1984

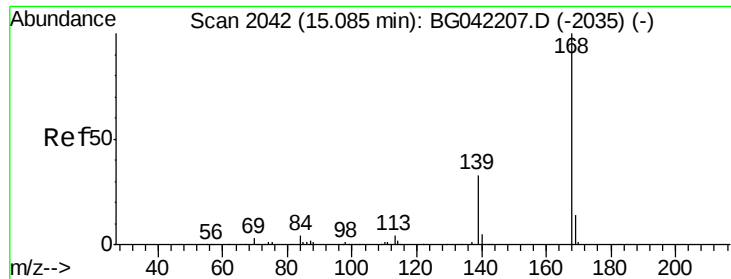
Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Tgt Ion:	153	Resp:	75444
Ion Ratio	Lower	Upper	
153	100		
152	45.7	37.8	56.8
154	84.6	69.4	104.2





#53

Dibenzenofuran

Concen: 6.171 ng/ul

RT: 15.08 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

ClientSampleID :

ETOC8DL

Tot Ion:168 Resp: 132152

Ion Ratio Lower Upper

168 100

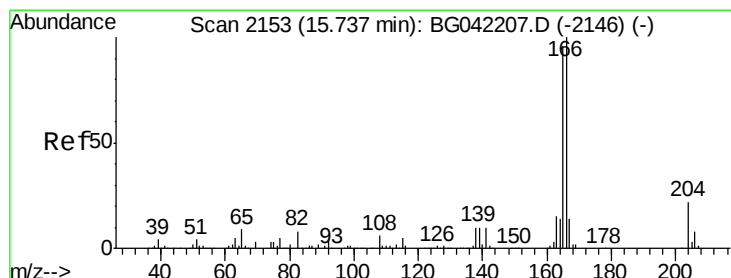
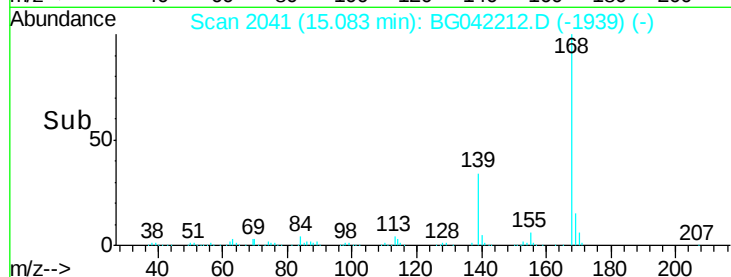
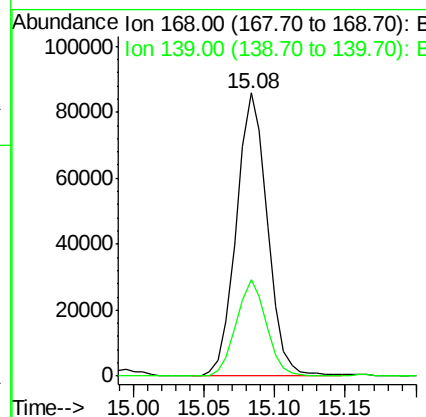
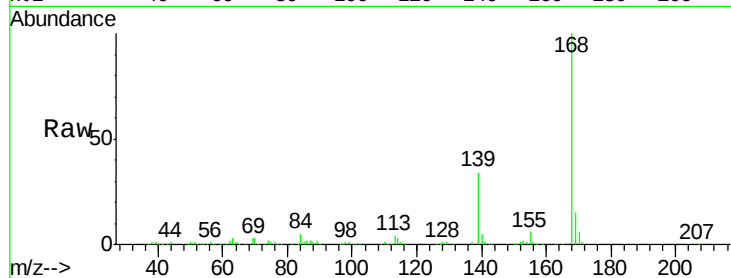
139 34.2 27.3 40.9

Manual Integrations

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#58

Fluorene

Concen: 9.781 ng/ul

RT: 15.74 min Scan# 2152

Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

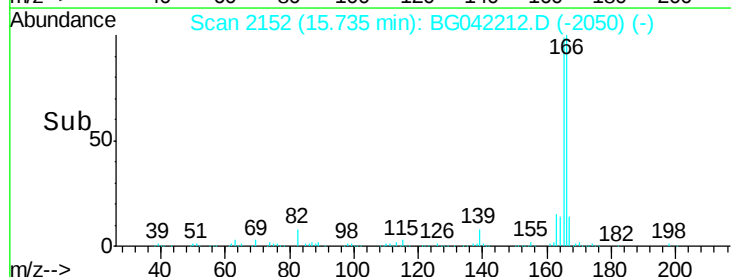
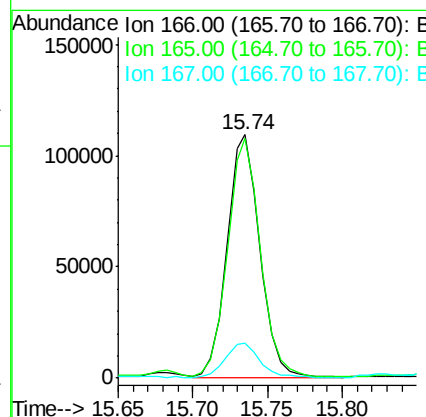
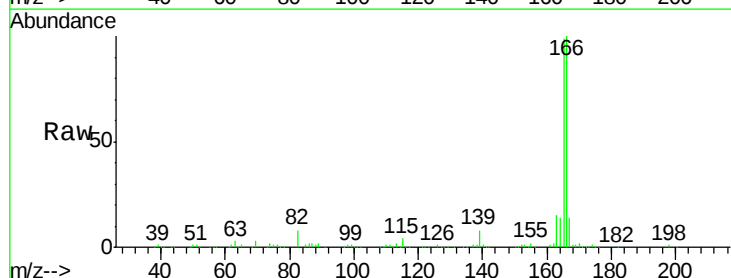
Tgt Ion:166 Resp: 168726

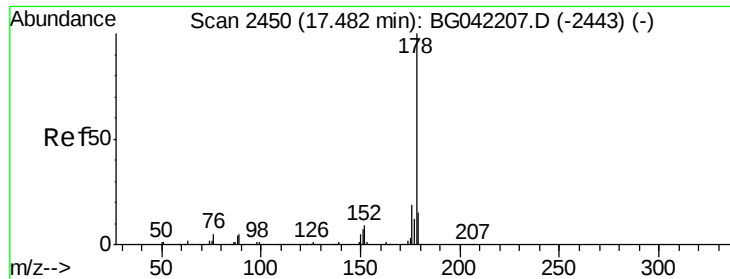
Ion Ratio Lower Upper

166 100

165 98.6 81.1 121.7

167 14.1 11.0 16.4





#69

Phenanthrene

Concen: 69.528 ng/ul

RT: 17.49 min Scan# 2450

Delta R.T. 0.01 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

ClientSampleId :

ETOC8DL

Tot Ion:178 Resp: 1746880

Ion Ratio Lower Upper

178 100

179 18.6 12.8 19.2

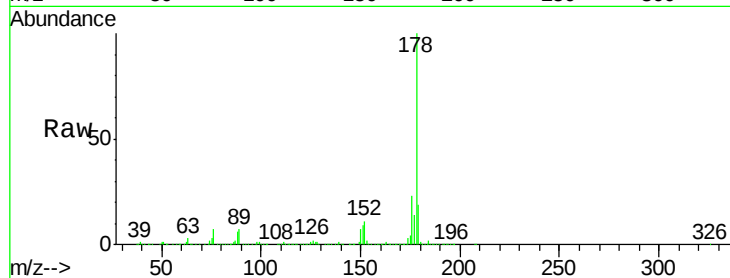
176 22.8 15.4 23.2

Manual Integrations

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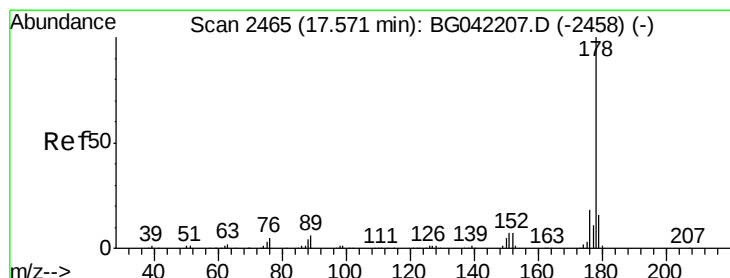
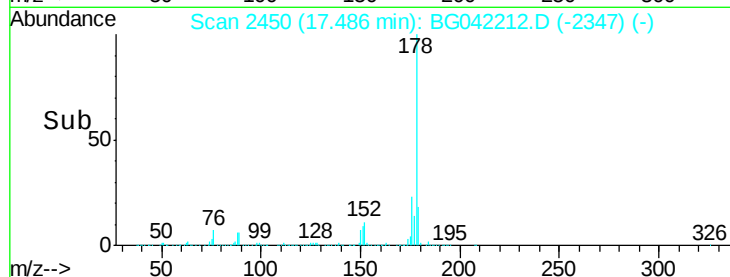
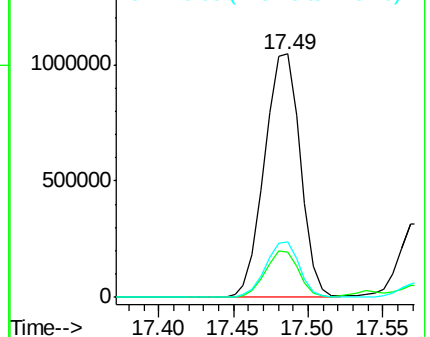
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 19.172 ng/ul

RT: 17.57 min Scan# 2465

Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Tgt Ion:178 Resp: 488542

Ion Ratio Lower Upper

178 100

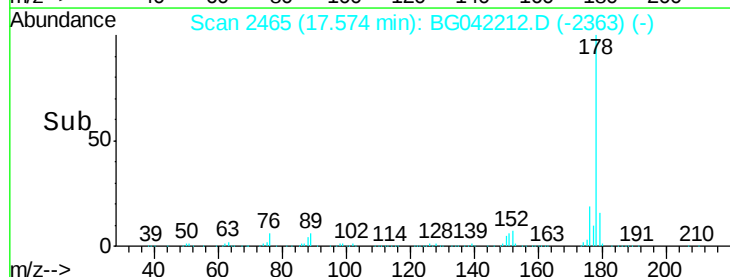
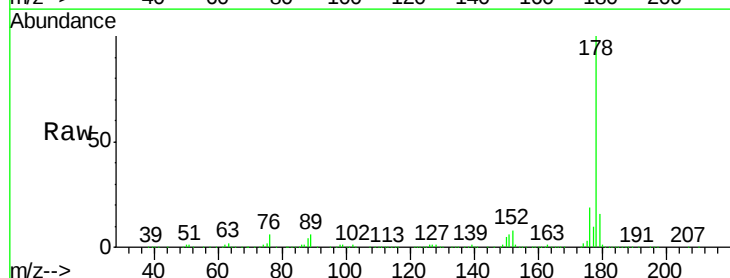
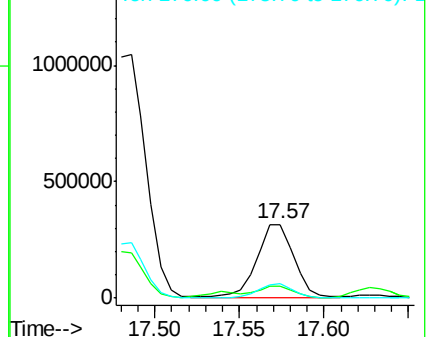
179 15.7 13.4 20.0

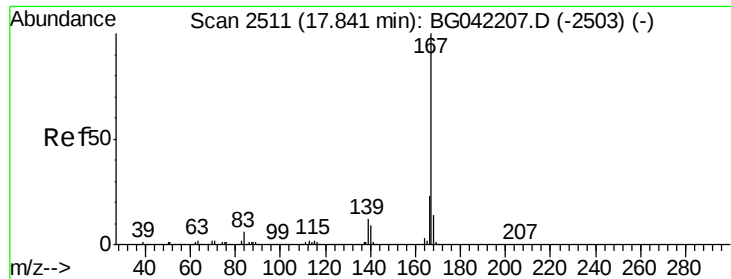
176 19.2 15.4 23.2

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: 13.674 ng/ul

RT: 17.84 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

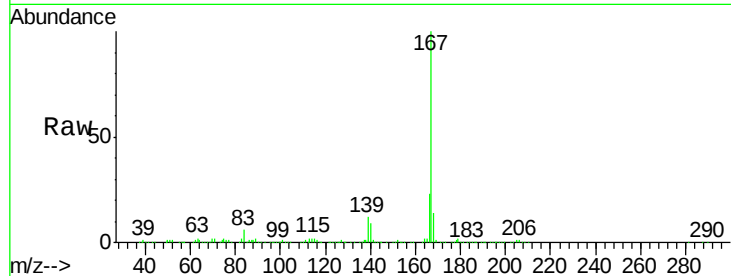
ClientSampleId :

ETOC8DL

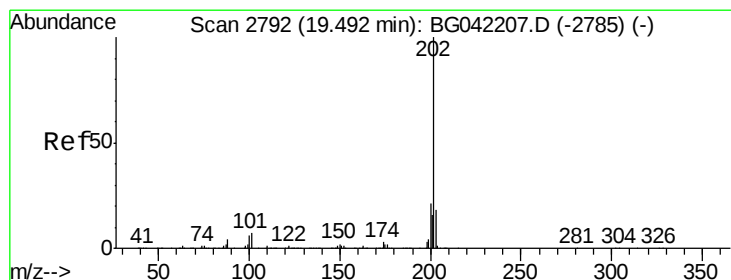
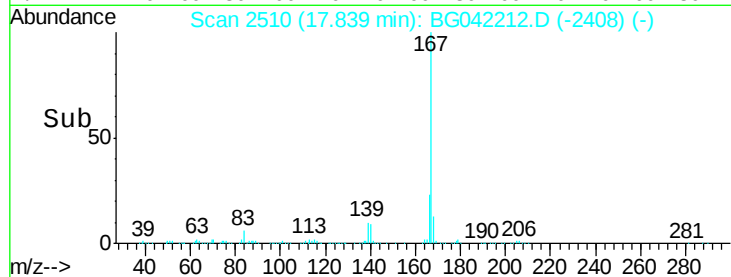
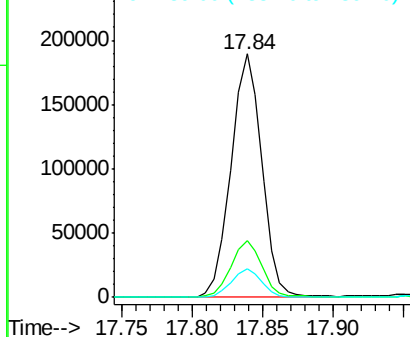
Tot Ion:	167	Resp:	288633
Ion Ratio	Lower	Upper	
167	100		
166	23.2	18.2	27.4
139	11.8	9.6	14.4

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 68.529 ng/ul

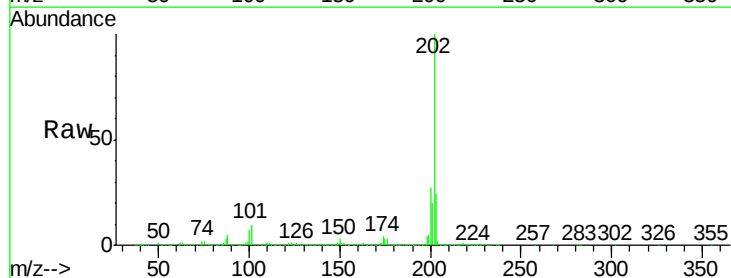
RT: 19.50 min Scan# 2792

Delta R.T. 0.01 min

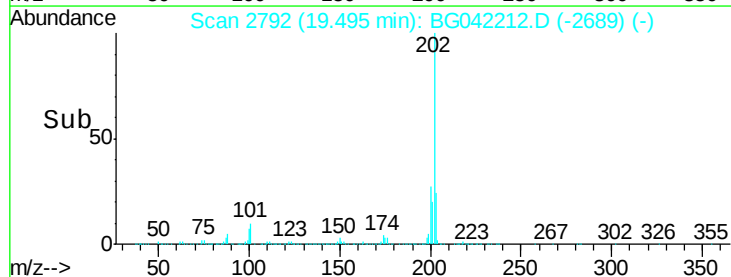
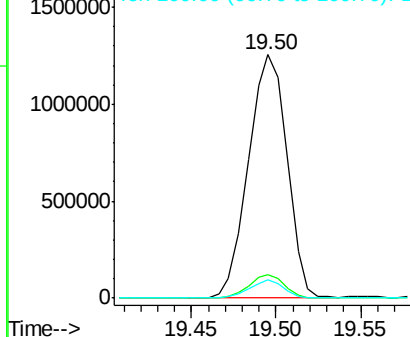
Lab File: BG042212.D

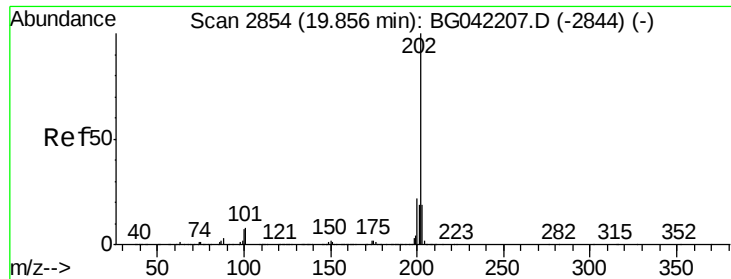
Acq: 14 Aug 2019 16:26

Tgt Ion:	202	Resp:	1989372
Ion Ratio	Lower	Upper	
202	100		
101	9.9	6.7	10.1
100	7.4	5.3	7.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





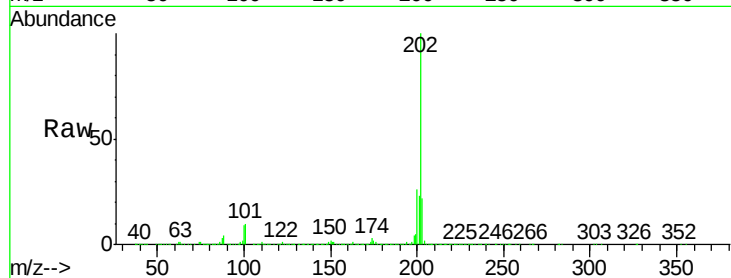
#79
Pvrene
Concen: 56.236 ng/ul
RT: 19.86 min Scan# 2854
Delta R.T. 0.01 min
Lab File: BG042212.D
Acq: 14 Aug 2019 16:26

Instrument :
BNA_G
ClientSampleId :
ETOC8DL

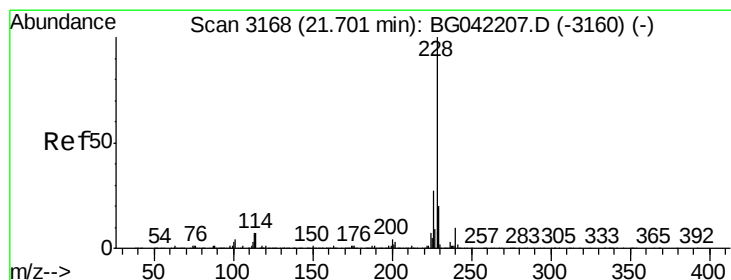
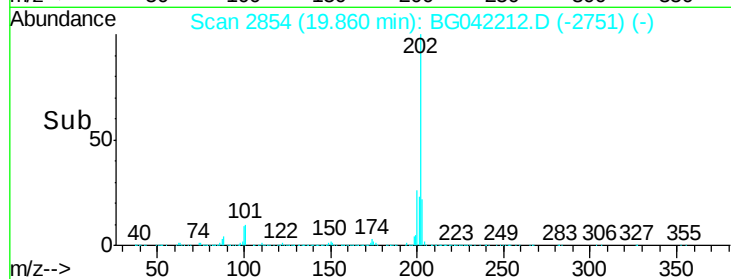
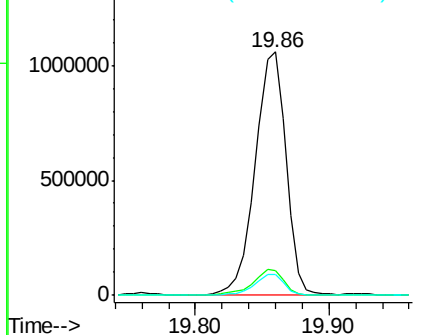
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.6	11.4
100	8.7	6.5	9.7

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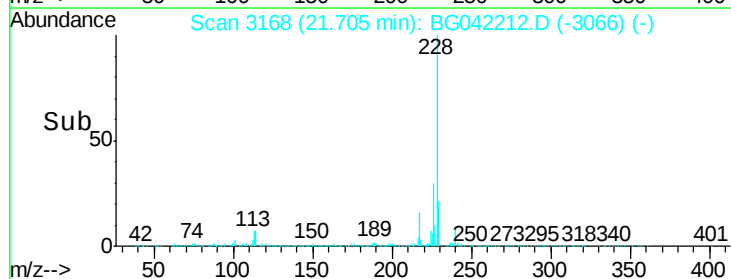
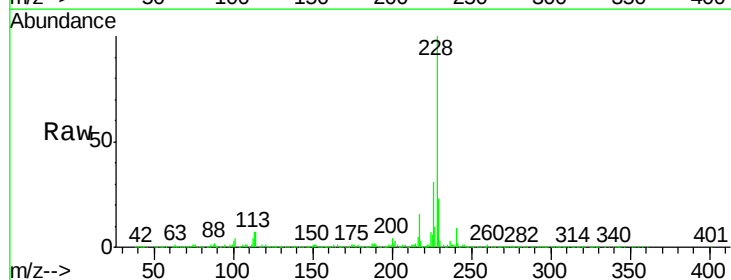
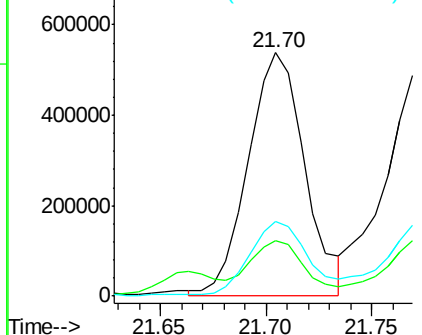
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

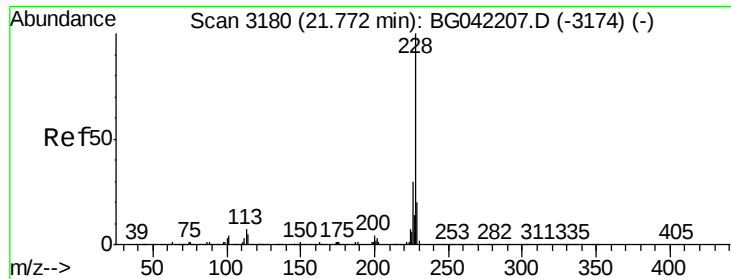


#82
Benzo(a)anthracene
Concen: 32.414 ng/ul
RT: 21.70 min Scan# 3168
Delta R.T. 0.00 min
Lab File: BG042212.D
Acq: 14 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.6	17.0	25.6
226	30.6	23.3	34.9

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





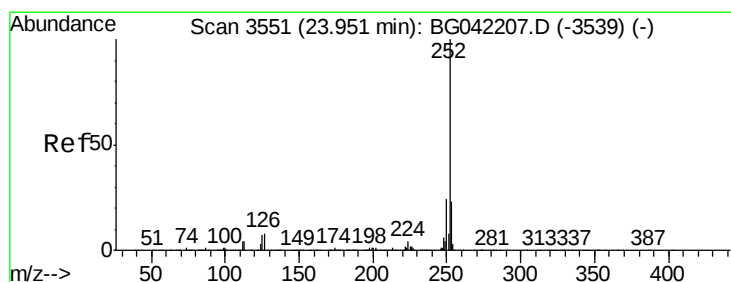
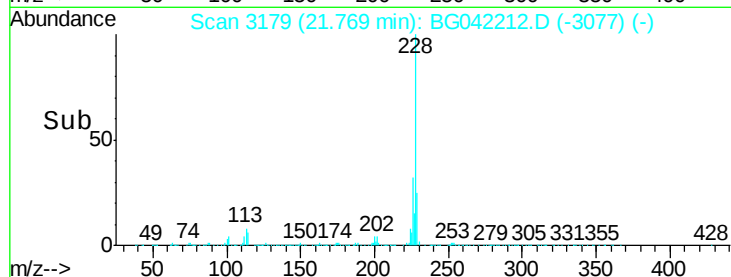
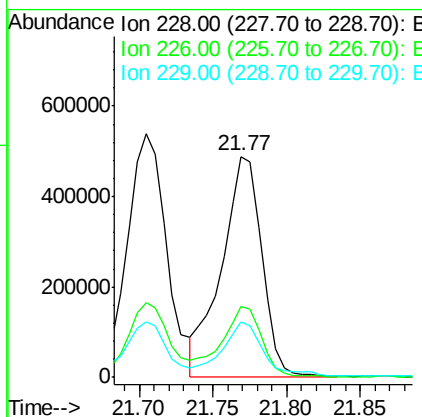
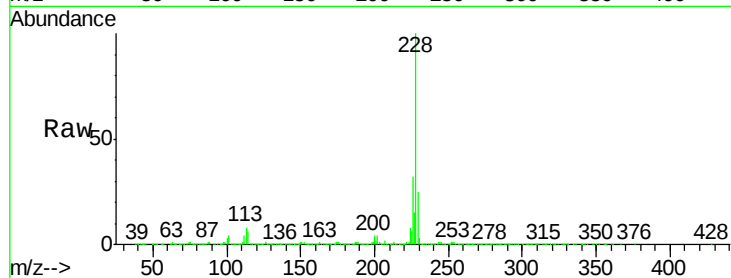
#84
Chrysene
Concen: 32.492 ng/ul m
RT: 21.77 min Scan# 3179
Delta R.T. 0.00 min
Lab File: BG042212.D
Acq: 14 Aug 2019 16:26

Instrument :
BNA_G
ClientSampleId :
ETOC8DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.7	38.5
229	24.9	16.6	24.8

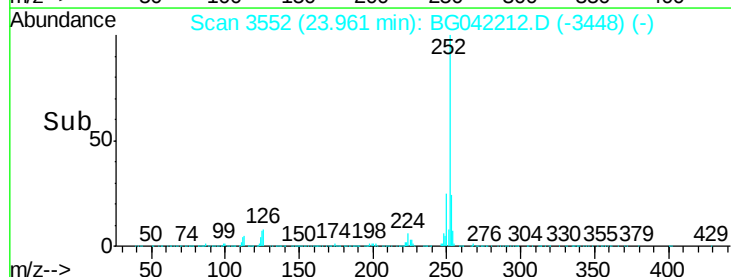
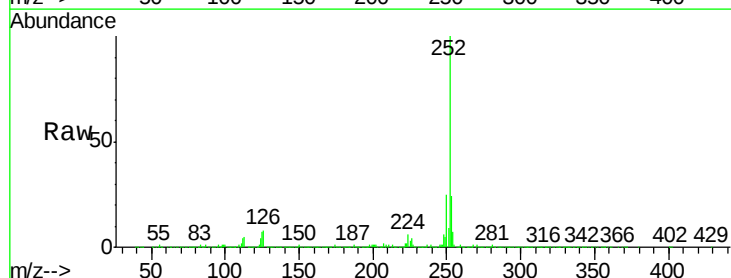
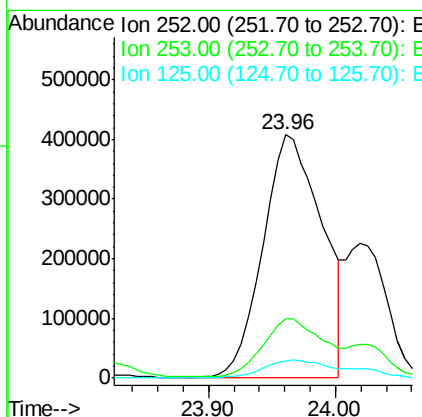
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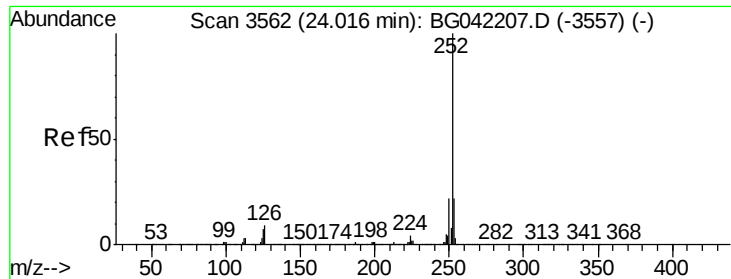
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#87
Benzo(b)fluoranthene
Concen: 38.744 ng/ul
RT: 23.96 min Scan# 3552
Delta R.T. 0.01 min
Lab File: BG042212.D
Acq: 14 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	7.1	5.8	8.8





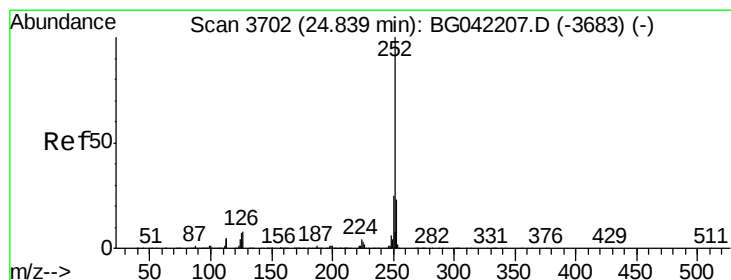
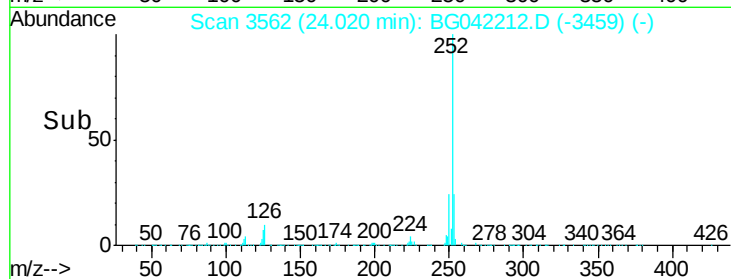
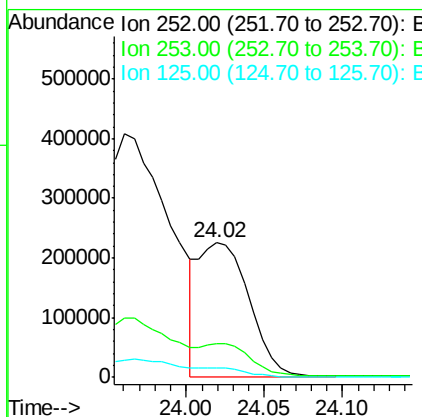
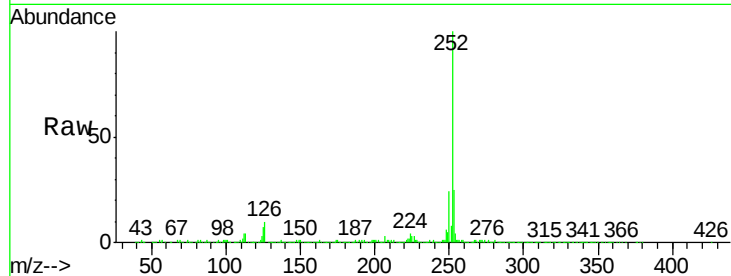
#88
Benzo(k)fluoranthene
Concen: 15.826 ng/ul
RT: 24.02 min Scan# 3562
Delta R.T. 0.01 min
Lab File: BG042212.D
Acq: 14 Aug 2019 16:26

Instrument :
BNA_G
ClientSampleId :
ETOC8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.3	27.5
125	7.1	5.5	8.3

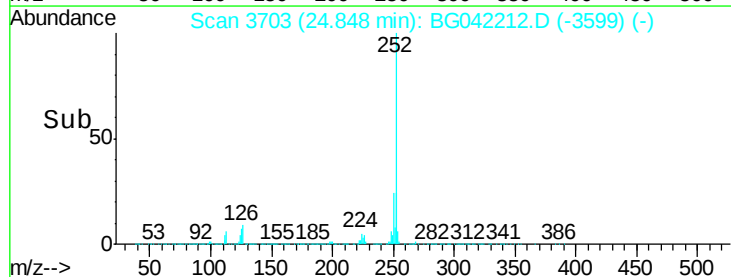
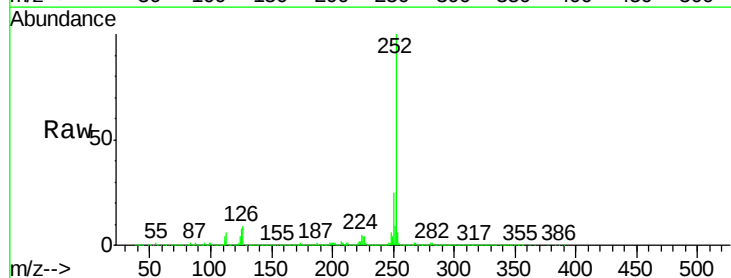
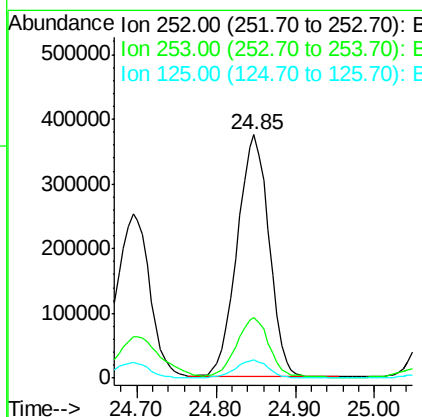
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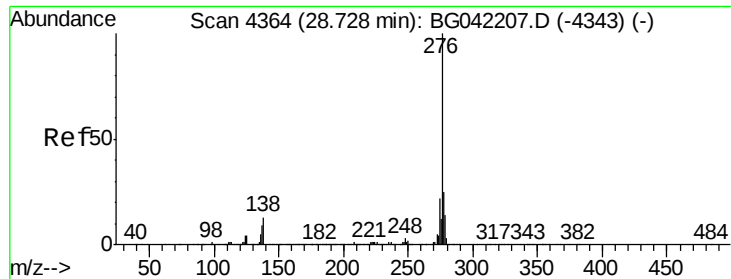
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#90
Benzo(a)pyrene
Concen: 32.377 ng/ul
RT: 24.85 min Scan# 3703
Delta R.T. 0.01 min
Lab File: BG042212.D
Acq: 14 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.3	27.5
125	7.5	6.5	9.7





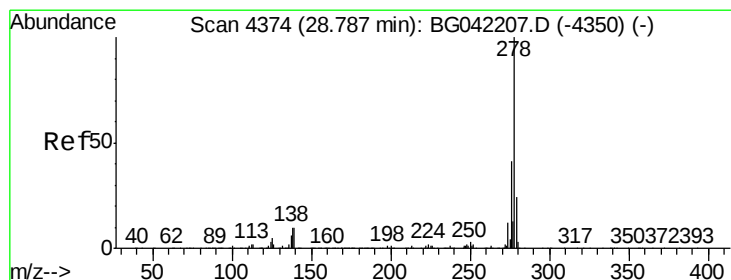
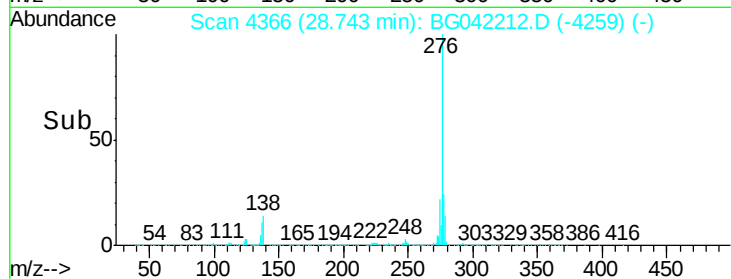
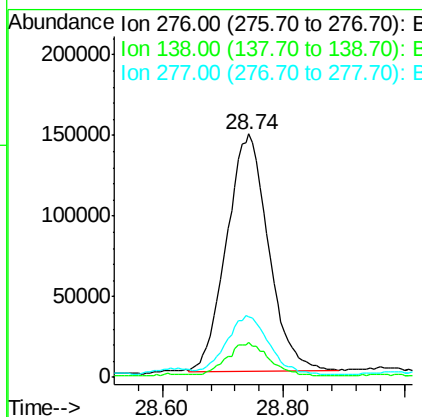
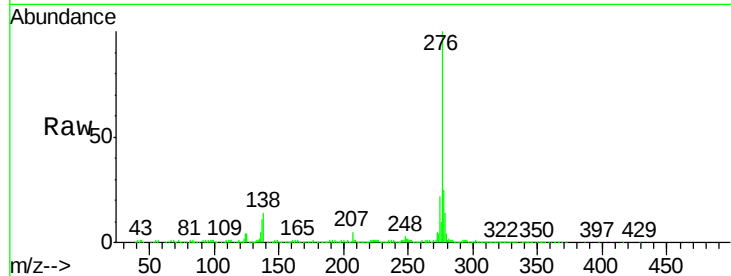
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 18.692 ng/ul
 RT: 28.74 min Scan# 4366
 Delta R.T. 0.03 min
 Lab File: BG042212.D
 Acq: 14 Aug 2019 16:26

Instrument :
 BNA_G
 ClientSampleId :
 ET0C8DL

Tot Ion:	276	Resp:	704661
Ion Ratio	Lower	Upper	
276	100		
138	14.2	12.0	18.0
277	24.7	19.2	28.8

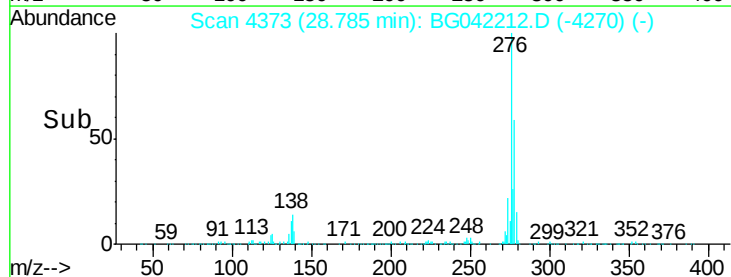
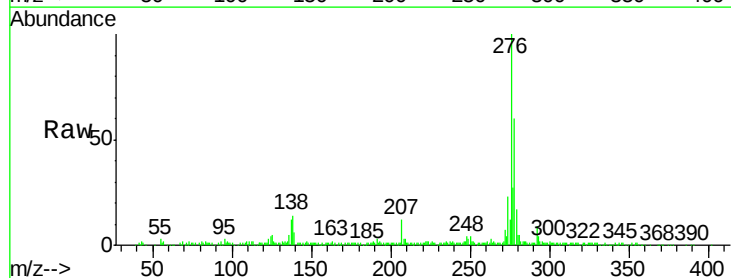
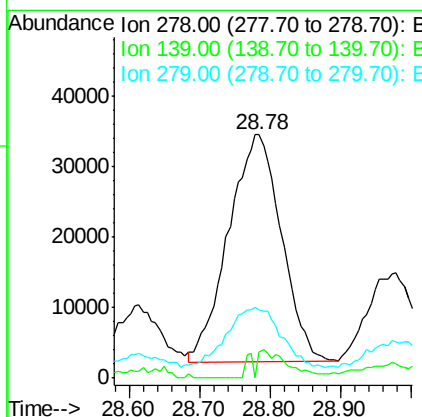
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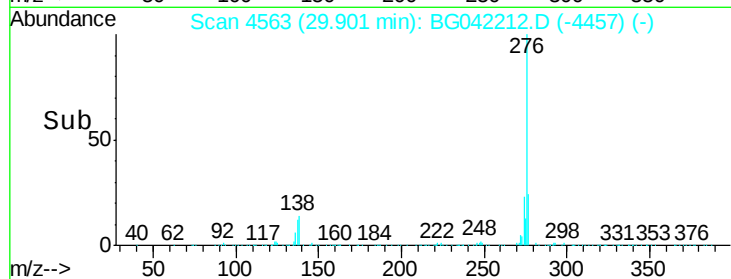
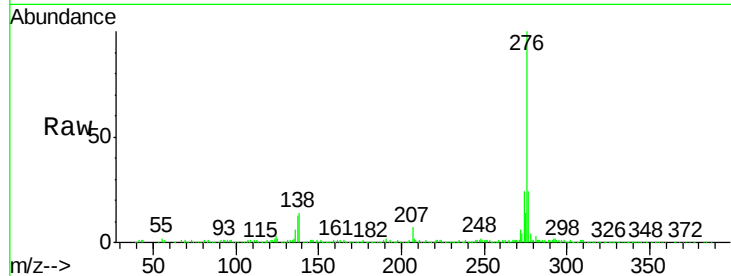
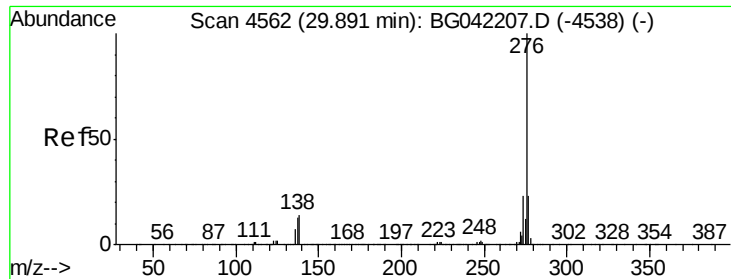
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#92
 Dibenzo(a,h)anthracene
 Concen: 5.437 ng/ul
 RT: 28.78 min Scan# 4373
 Delta R.T. 0.01 min
 Lab File: BG042212.D
 Acq: 14 Aug 2019 16:26

Tgt Ion:	278	Resp:	167191
Ion Ratio	Lower	Upper	
278	100		
139	10.7	9.4	14.0
279	28.3	19.2	28.8





#93

Benzo(a,h,i)perylene

Concen: 18.883 ng/ul

RT: 29.90 min Scan# 4563

Delta R.T. 0.02 min

Lab File: BG042212.D

Acq: 14 Aug 2019 16:26

Instrument :

BNA_G

ClientSampleId :

ETOC8DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.2	12.6	18.8
277	24.4	19.2	28.8

Manual Integrations
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