

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120120\
 Data File : BG047520.D
 Acq On : 2 Dec 2020 7:16
 Operator : CG/JU
 Sample : L4865-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B24

Manual Integrations
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Quant Time: Dec 02 08:28:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 13:14:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	35707	20.00	ng/ul	-0.01
18) Naphthalene-d8	11.09	136	147208	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.88	164	115177	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.62	188	256253m	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	249789m	20.00	ng/ul	0.00
86) Perylene-d12	25.31	264	274814m	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	1569m	1.60	ng/uL	-0.02
5) Phenol-d5	7.39	99	37580	10.49	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.57	67	19634	9.61	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.79	132	28728	11.96	ng/ul	-0.01
13) 4-Methylphenol-d8	8.95	113	24642	8.95	ng/ul	-0.02
19) Nitrobenzene-d5	9.43	128	14154	11.64	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.16	143	19575	14.75	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.69	165	41290	13.59	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.22	131	26154	8.51	ng/ul	-0.01
44) Dimethylphthalate-d6	14.27	166	128445	12.99	ng/ul	-0.02
47) Acenaphthylene-d8	14.57	160	152673	13.36	ng/ul	-0.01
52) 4-Nitrophenol-d4	15.03	143	14802	9.81	ng/ul	-0.02
58) Fluorene-d10	15.86	176	119599	13.20	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.96	200	23844	16.35	ng/ul	-0.01
71) Anthracene-d10	17.71	188	178198	14.02	ng/ul	-0.01
79) Pyrene-d10	19.98	212	204045	14.04	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	211821	13.39	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.42	94	4863	1.417	ng/ul 95
14) Acetophenone	9.08	105	5572	1.315	ng/ul 93
28) Naphthalene	11.14	128	87666	10.514	ng/ul 97
34) 2-Methylnaphthalene	12.73	142	37318	6.040	ng/ul 91
41) 1,1'-Biphenyl	13.71	154	11574	1.295	ng/ul# 81
45) Dimethylphthalate	14.31	163	22775	2.258	ng/ul 99
50) Acenaphthene	14.94	153	87696	11.772	ng/ul 97
54) Dibenzofuran	15.27	168	59859	5.471	ng/ul 95
59) Fluorene	15.91	166	91316	9.906	ng/ul 93
70) Phenanthrene	17.66	178	1476428m	106.693	ng/ul
72) Anthracene	17.74	178	271704	19.496	ng/ul 99
75) Carbazole	18.00	167	169258	15.056	ng/ul 99
77) Fluoranthene	19.65	202	2559179	146.436	ng/ul 99
80) Pyrene	20.02	202	2245439	126.905	ng/ul 100
83) Benzo(a)anthracene	21.89	228	1406830m	79.156	ng/ul
85) Chrysene	21.96	228	1344806	79.512	ng/ul 93
88) Benzo(b)fluoranthene	24.24	252	1826990	94.159	ng/ul 97
89) Benzo(k)fluoranthene	24.30	252	670676m	35.075	ng/ul
91) Benzo(a)pyrene	25.16	252	1264511m	73.105	ng/ul
92) Indeno(1,2,3-cd)pyrene	29.25	276	923007	43.869	ng/ul# 95
93) Dibenzo(a,h)anthracene	29.29	278	250055m	14.495	ng/ul
94) Benzo(a,h,i)perylene	30.48	276	761014	43.835	ng/ul 96

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 13:14:53 2020
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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

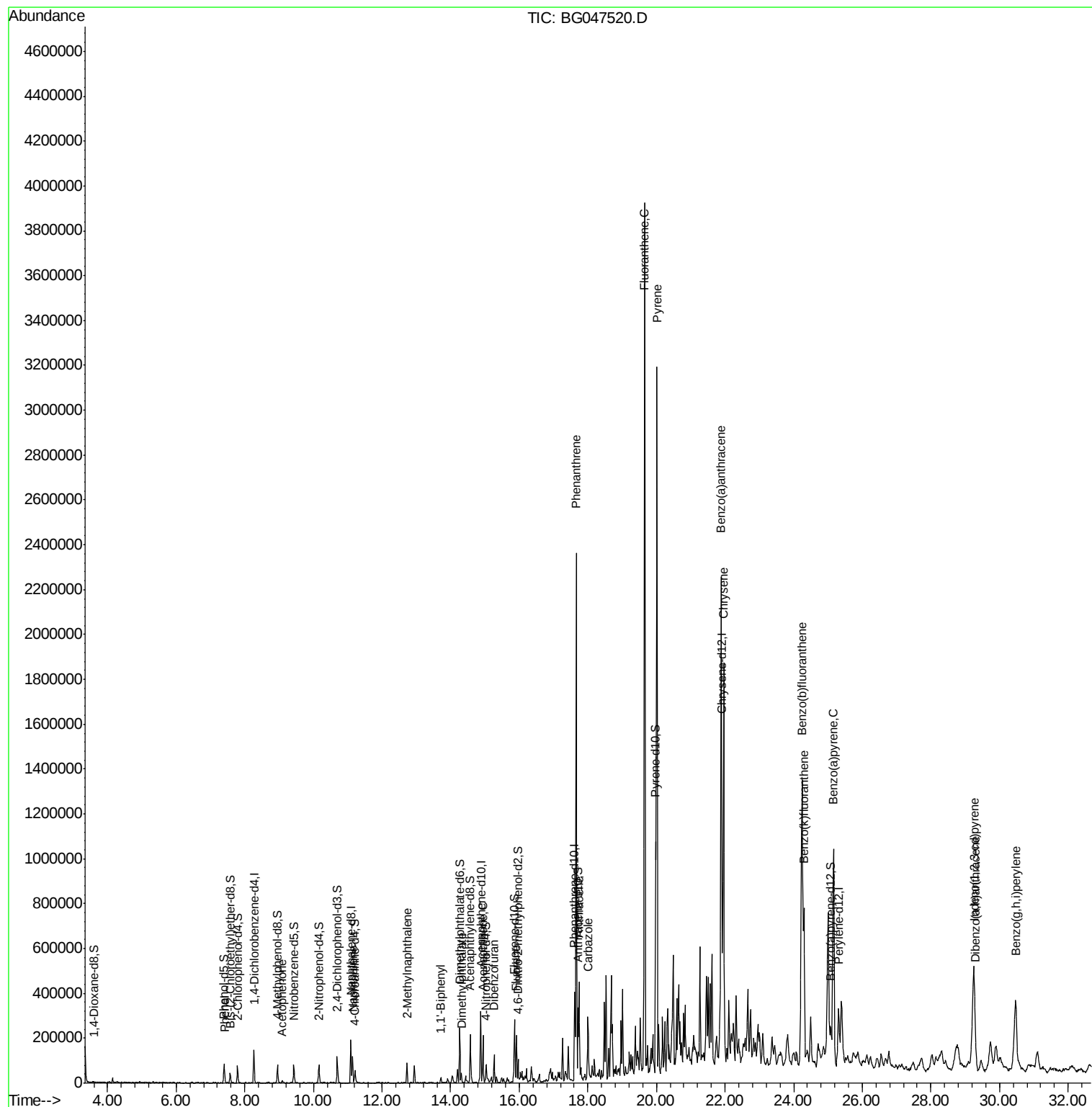
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120120\
Data File : BG047520.D
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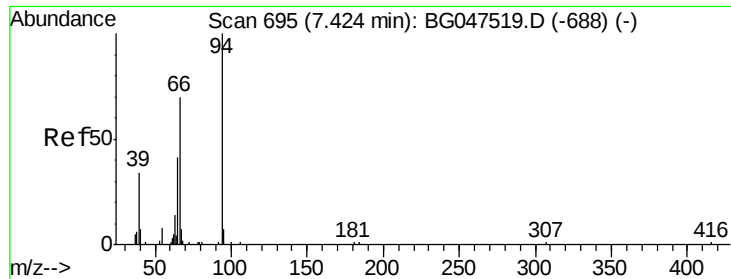
Instrument :
BNA_G
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C0B24

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#6

Phenol

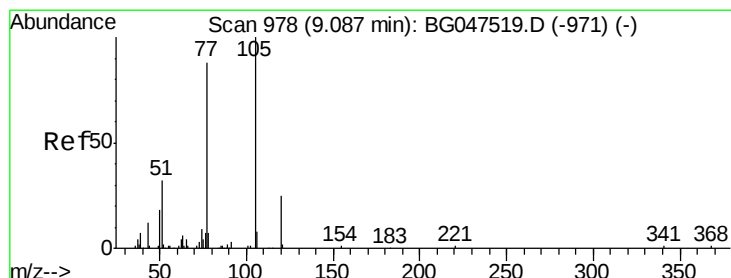
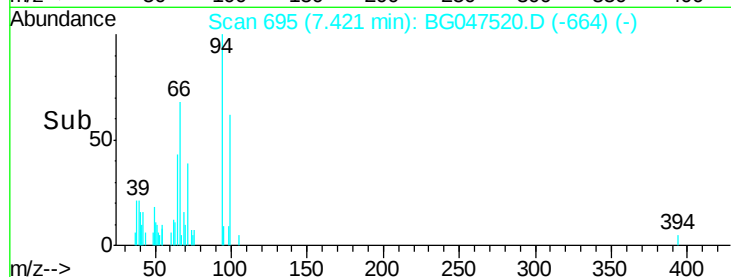
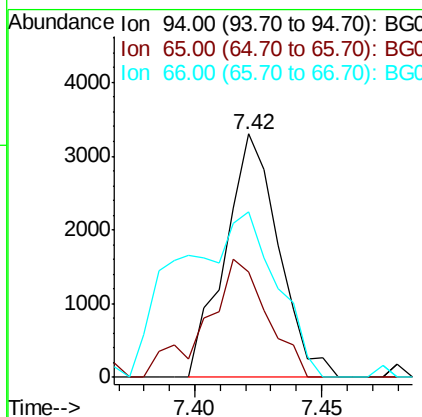
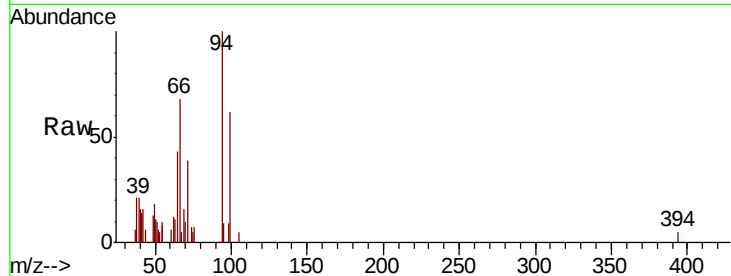
Concen: 1.417 ng/ul
 RT: 7.42 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BG047520.D
 Acq: 2 Dec 2020 7:16

Instrument :
 BNA_G
 ClientSampled :
 C0B24

Tot Ion	Ratio	Lower	Upper
94	100		
65	43.4	37.8	56.8
66	67.7	51.6	77.4

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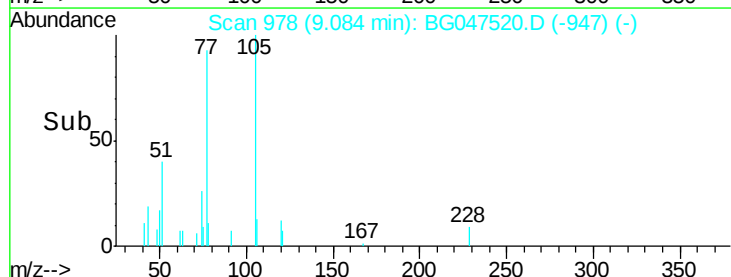
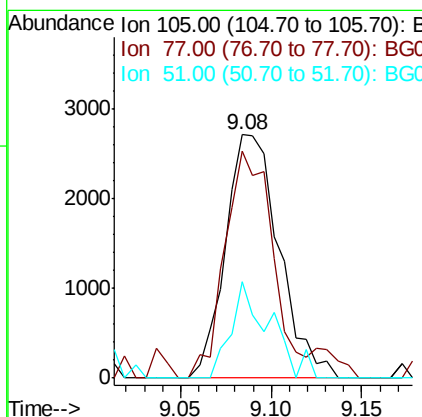
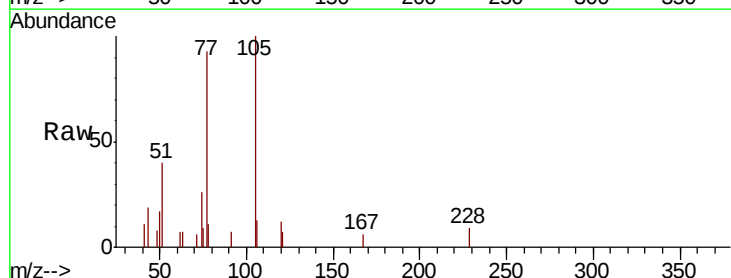


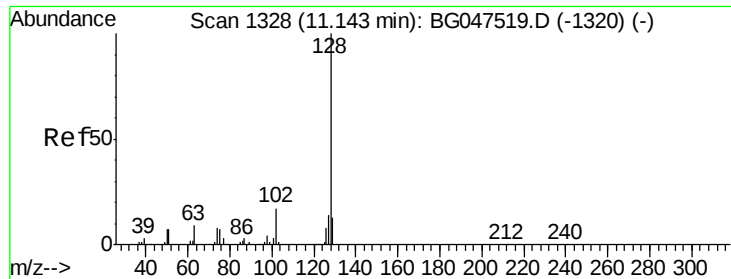
#14

Acetophenone

Concen: 1.315 ng/ul
 RT: 9.08 min Scan# 978
 Delta R.T. -0.02 min
 Lab File: BG047520.D
 Acq: 2 Dec 2020 7:16

Tgt Ion	Ratio	Lower	Upper
105	100		
77	93.1	70.0	105.0
51	39.8	27.5	41.3





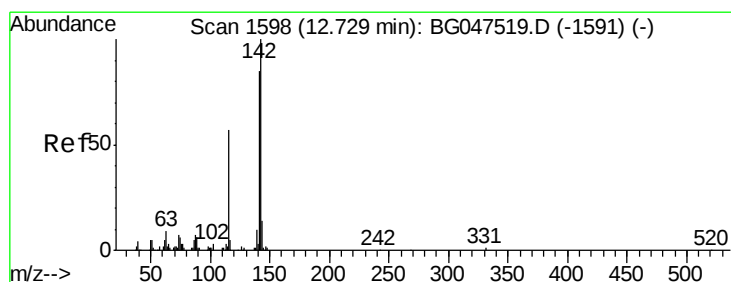
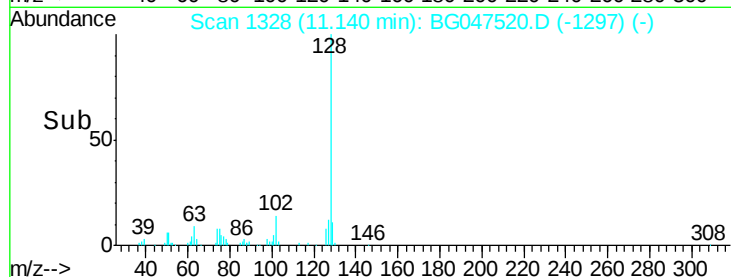
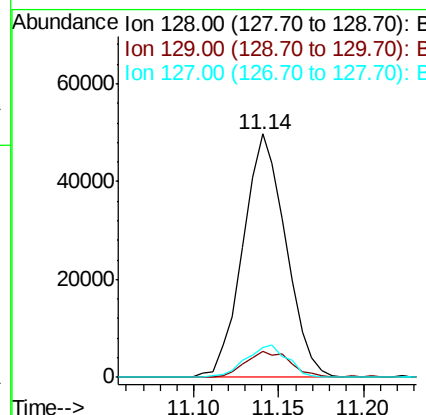
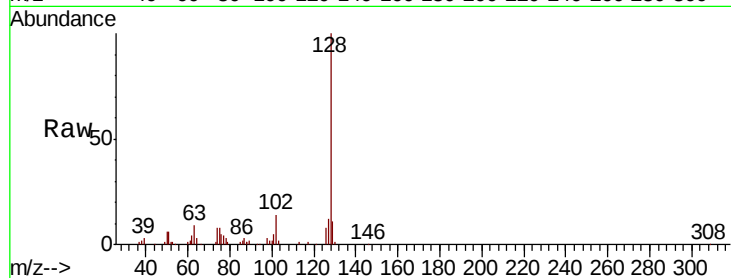
#28
Naphthalene
Concen: 10.514 ng/ul
RT: 11.14 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BG047520.D
Acq: 2 Dec 2020 7:16

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.6	14.4
127	12.2	10.6	16.0

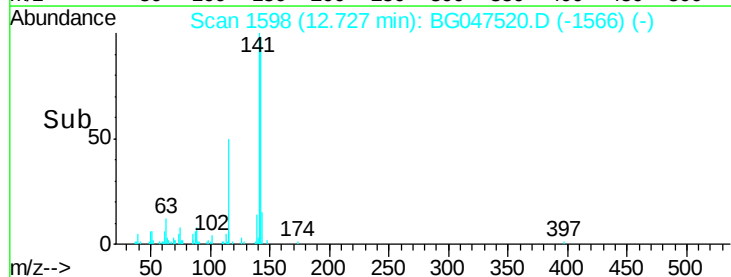
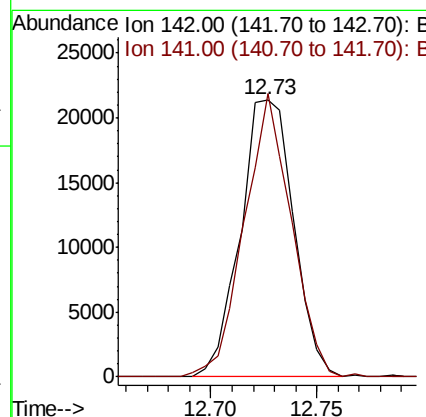
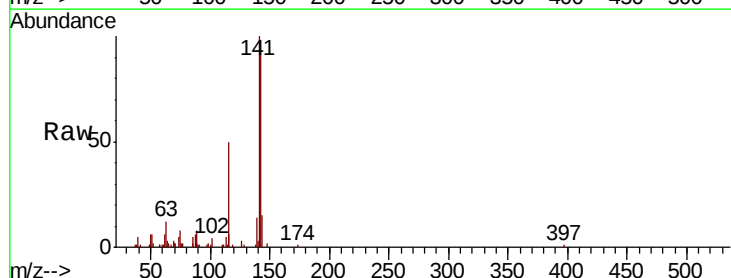
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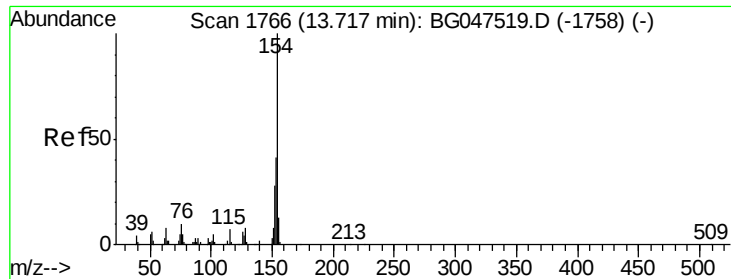
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#34
2-Methylnaphthalene
Concen: 6.040 ng/ul
RT: 12.73 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BG047520.D
Acq: 2 Dec 2020 7:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	102.0	74.8	112.2





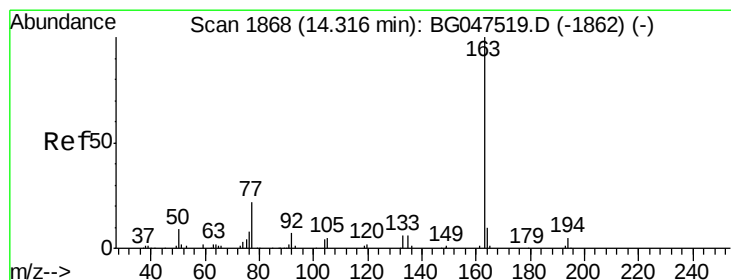
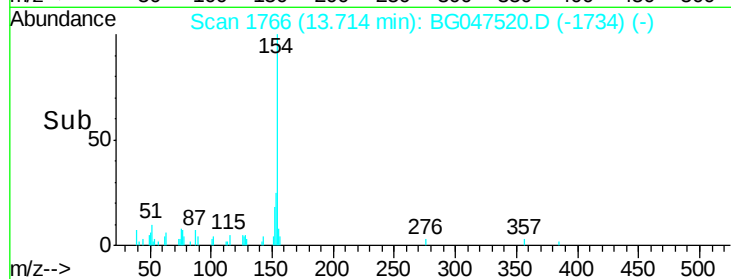
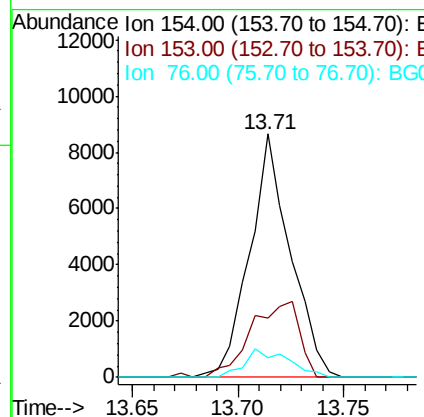
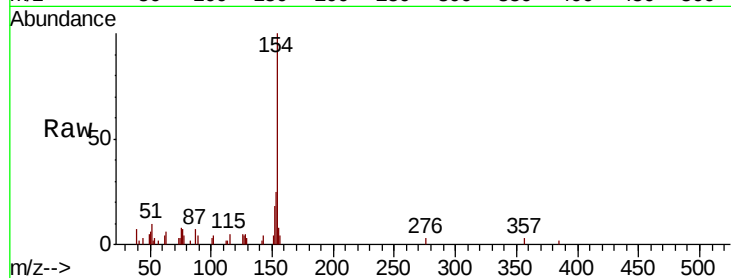
#41
 1,1'-Biphenyl
 Concen: 1.295 ng/ul
 RT: 13.71 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: BG047520.D
 Acq: 2 Dec 2020 7:16

Instrument :
 BNA_G
 ClientSampleId :
 C0B24

Tot Ion	Ratio	Lower	Upper
154	100		
153	24.5	30.9	46.3#
76	8.1	7.4	11.2

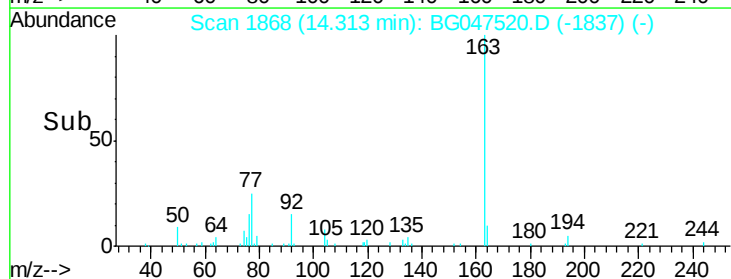
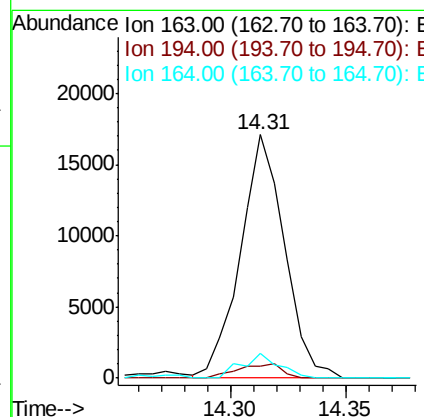
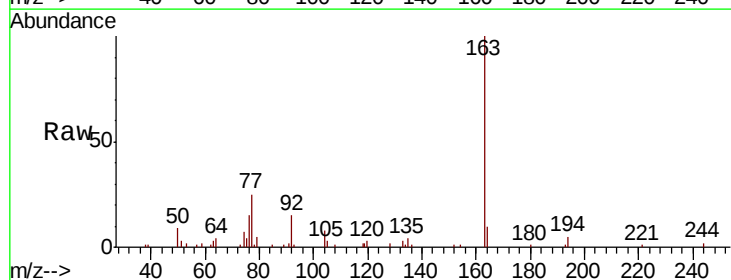
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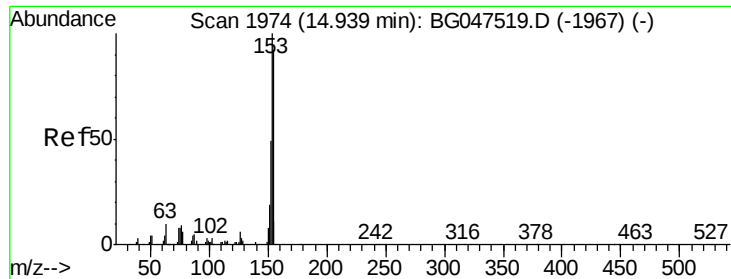
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#45
 Dimethylphthalate
 Concen: 2.258 ng/ul
 RT: 14.31 min Scan# 1868
 Delta R.T. -0.02 min
 Lab File: BG047520.D
 Acq: 2 Dec 2020 7:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.6	5.4
164	10.3	8.5	12.7





#50

Acenaphthene

Concen: 11.772 ng/ul

RT: 14.94 min Scan# 1974

Delta R.T. -0.02 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

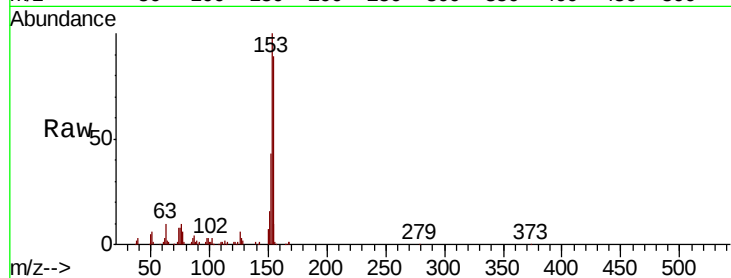
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C0B24

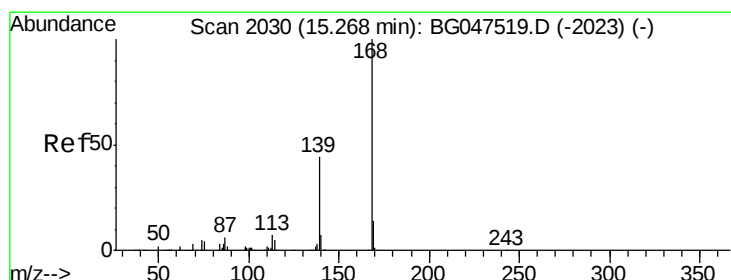
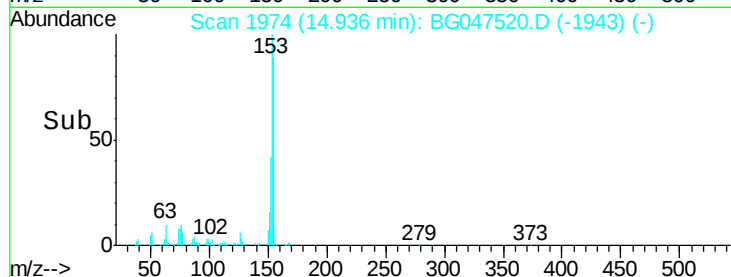
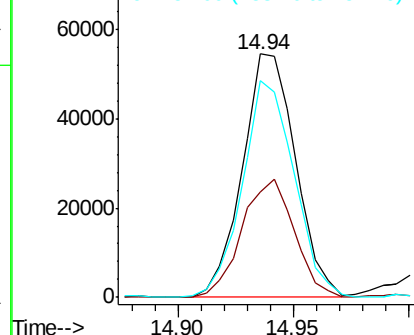
Tot Ion:	153	Resp:	87696
Ion	Ratio	Lower	Upper
153	100		
152	43.0	36.9	55.3
154	89.2	69.7	104.5

Manual Integrations
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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



#54

Dibenzofuran

Concen: 5.471 ng/ul

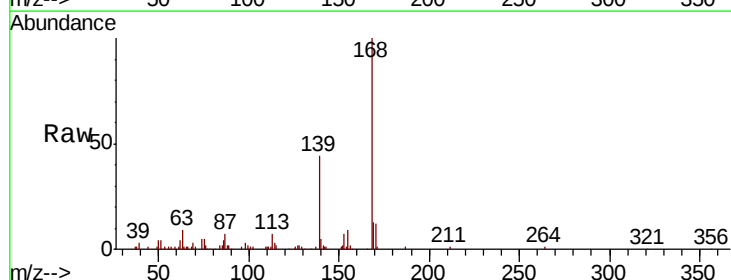
RT: 15.27 min Scan# 2031

Delta R.T. -0.01 min

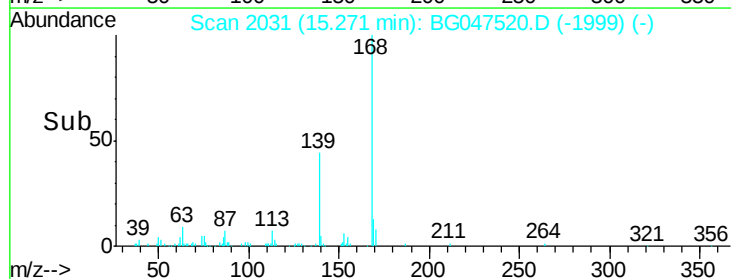
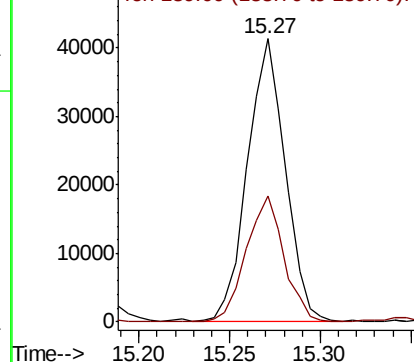
Lab File: BG047520.D

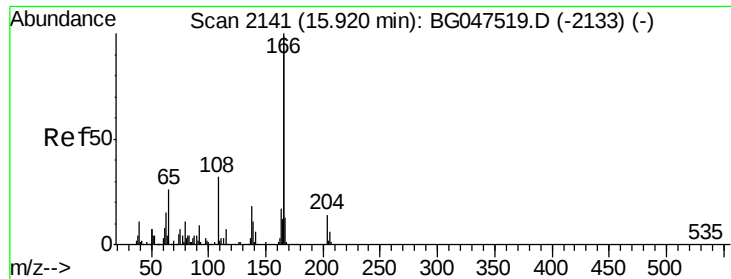
Acq: 2 Dec 2020 7:16

Tgt Ion:	168	Resp:	59859
Ion	Ratio	Lower	Upper
168	100		
139	44.3	32.8	49.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





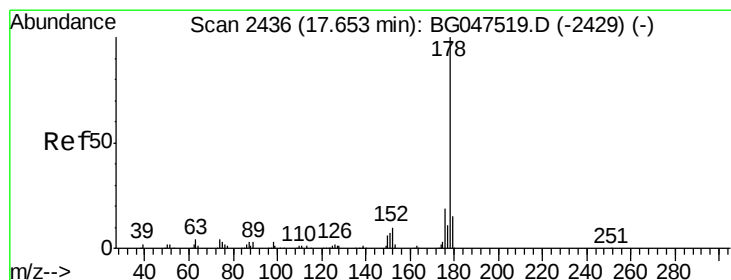
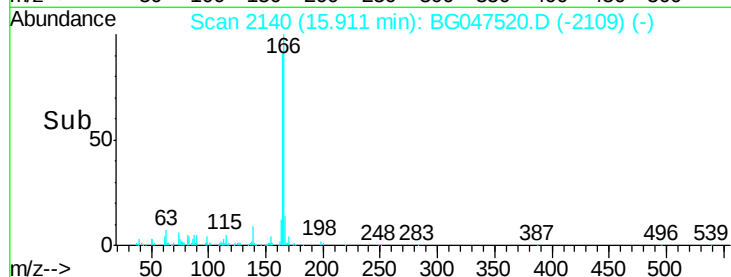
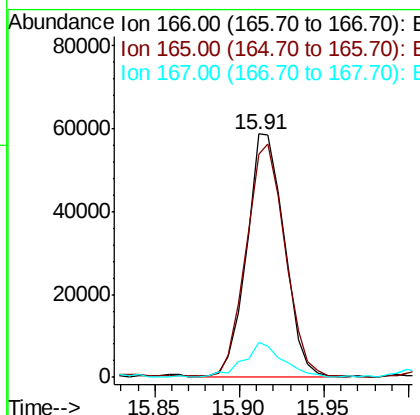
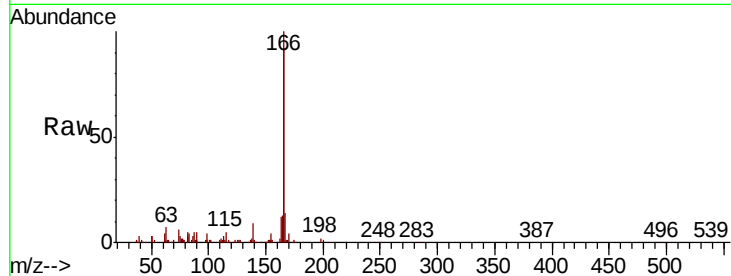
#59
Fluorene
 Concen: 9.906 ng/ul
 RT: 15.91 min Scan# 2140
 Delta R.T. -0.02 min
 Lab File: BG047520.D
 Acq: 2 Dec 2020 7:16

Instrument :
 BNA_G
 ClientSampleId :
 C0B24

Tot Ion	Ratio	Lower	Upper
166	100		
165	91.9	79.8	119.6
167	14.3	10.8	16.2

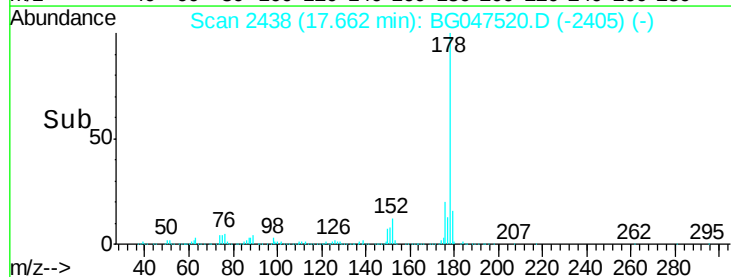
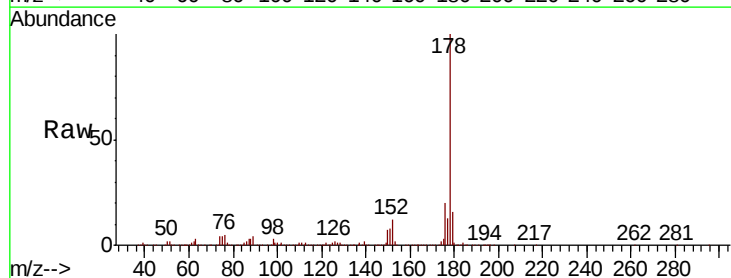
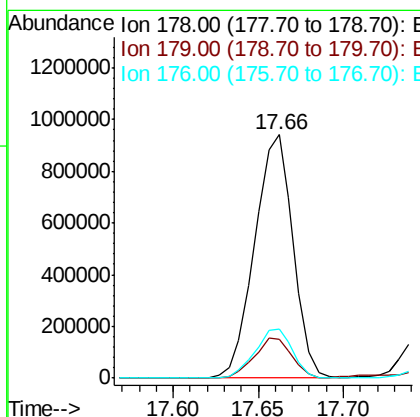
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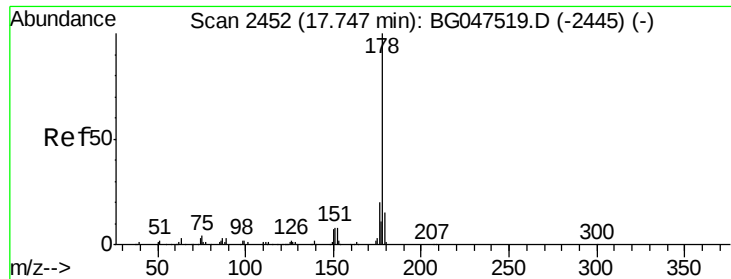
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#70
Phenanthrene
 Concen: 106.693 ng/ul m
 RT: 17.66 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG047520.D
 Acq: 2 Dec 2020 7:16

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	11.8	17.6
176	20.1	13.9	20.9





#72

Anthracene

Concen: 19.496 ng/ul

RT: 17.74 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

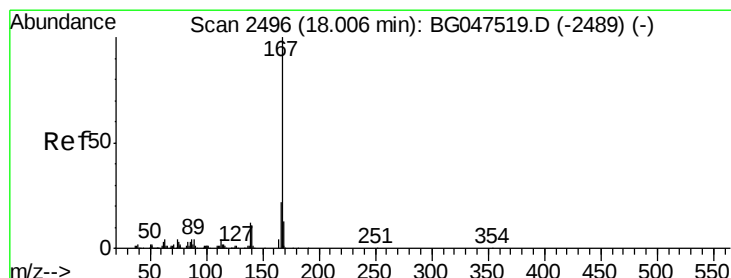
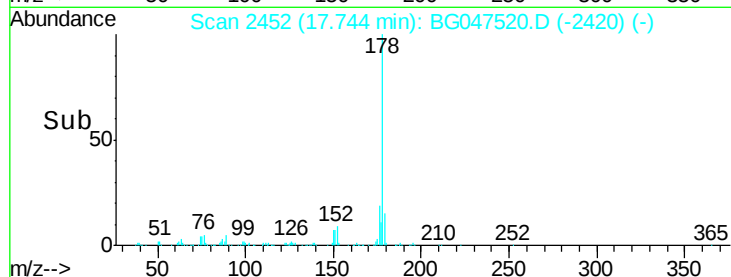
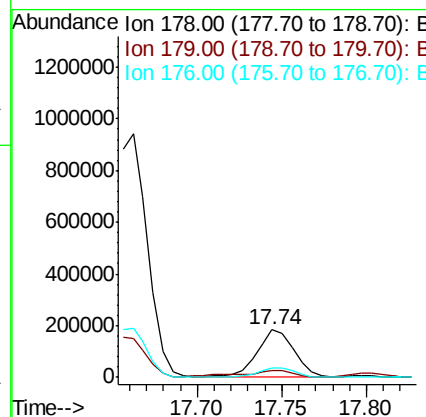
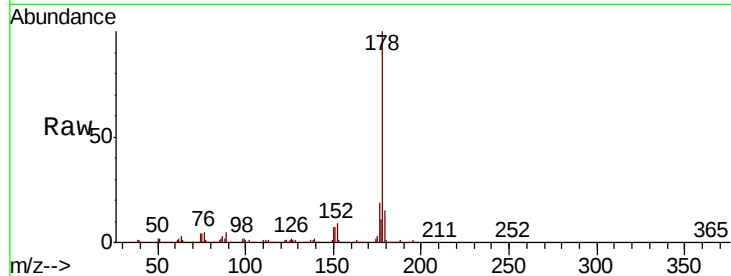
ClientSampleId :

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Tot Ion:178	Resp:	271704
Ion Ratio	Lower	Upper
178	100	
179	15.2	11.7 17.5
176	19.1	15.4 23.0

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#75

Carbazole

Concen: 15.056 ng/ul

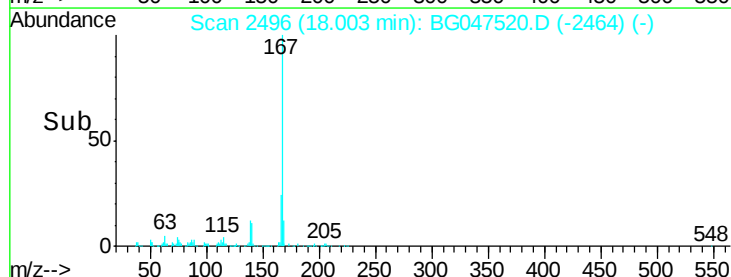
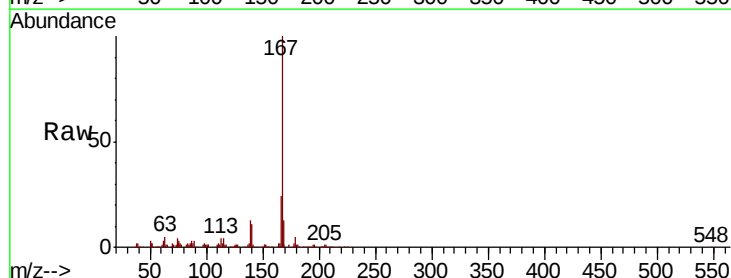
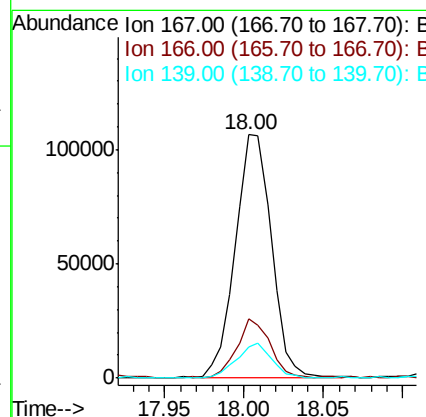
RT: 18.00 min Scan# 2496

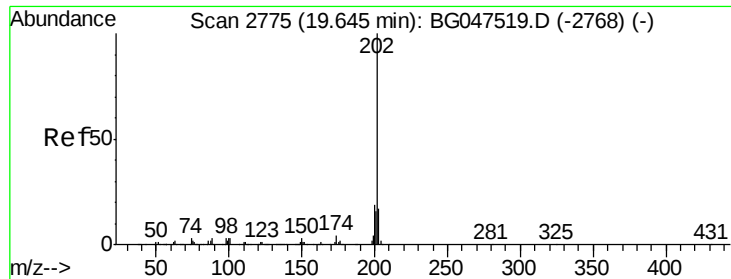
Delta R.T. -0.01 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Tgt Ion:167	Resp:	169258
Ion Ratio	Lower	Upper
167	100	
166	24.3	19.2 28.8
139	12.7	10.0 15.0





#77

Fluoranthene

Concen: 146.436 ng/ul

RT: 19.65 min Scan# 2777

Delta R.T. 0.00 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

ClientSampleId :

C0B24

Tot Ion:202 Resp: 2559179

Ion Ratio Lower Upper

202 100

101 4.4 3.0 4.6

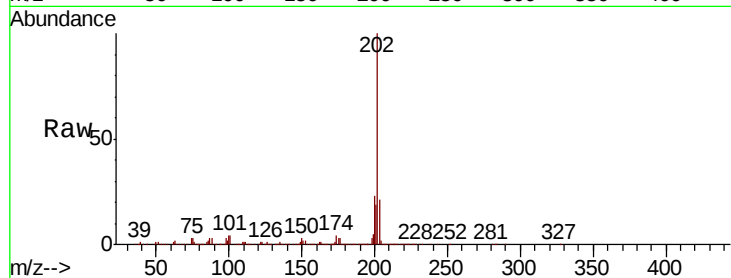
100 4.1 3.0 4.6

Manual Integrations

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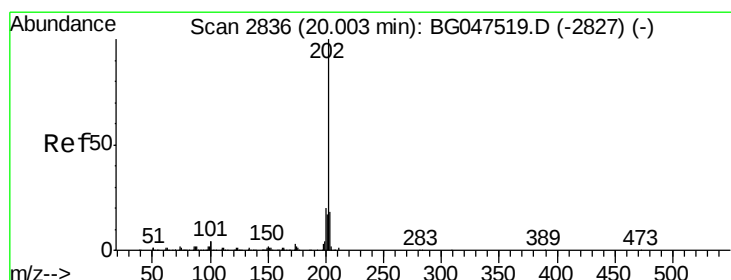
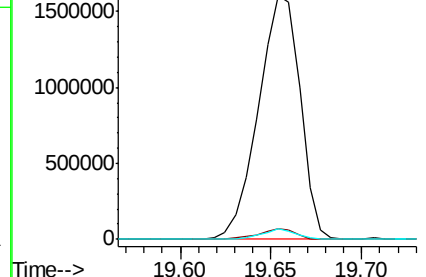
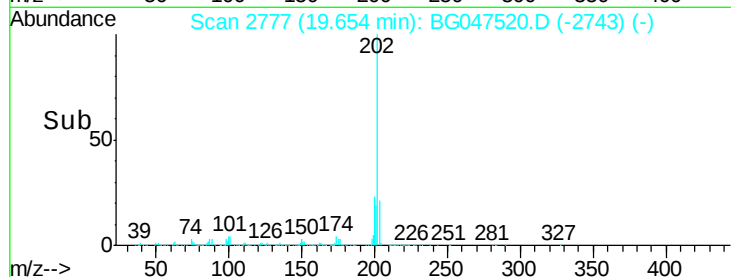
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 126.905 ng/ul

RT: 20.02 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

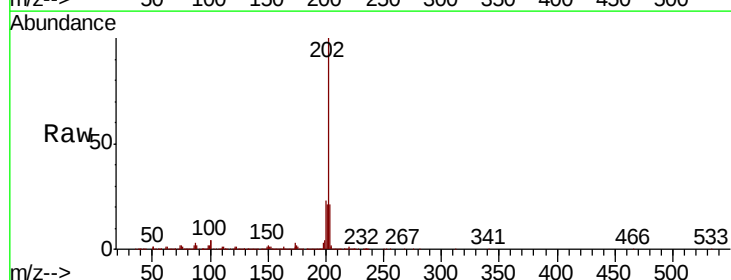
Tgt Ion:202 Resp: 2245439

Ion Ratio Lower Upper

202 100

101 4.4 3.5 5.3

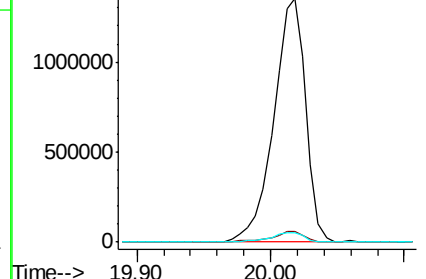
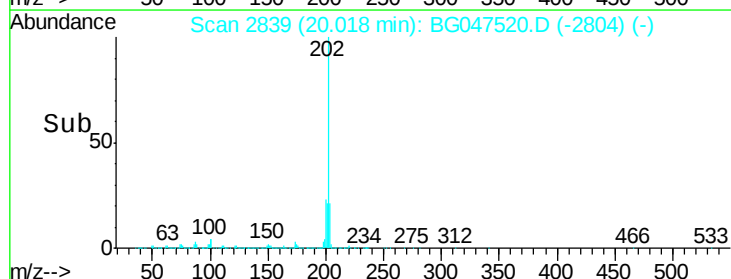
100 3.9 3.4 5.0

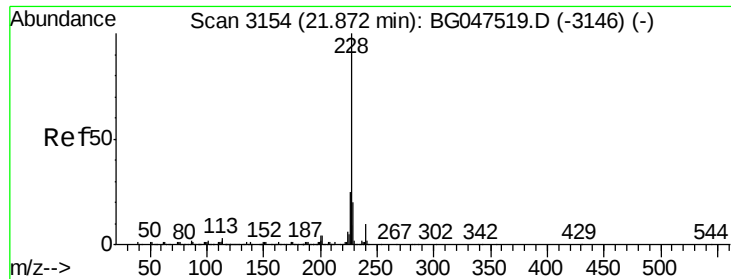


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





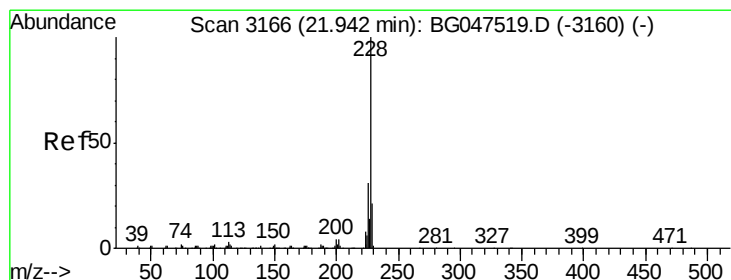
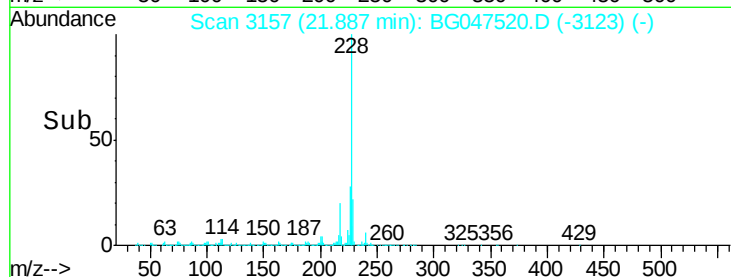
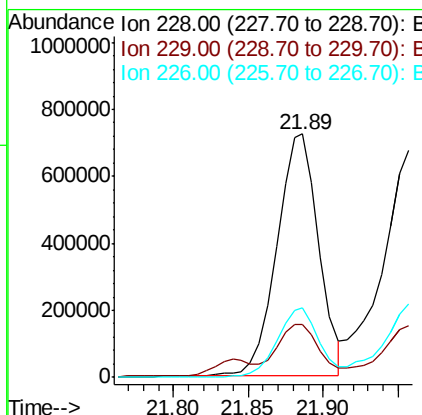
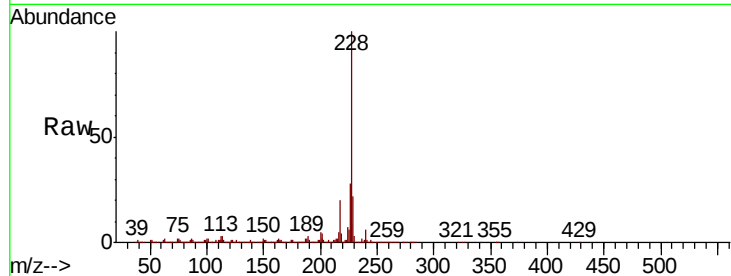
#83
Benzo(a)anthracene
Concen: 79.156 ng/ul m
RT: 21.89 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BG047520.D
Acq: 2 Dec 2020 7:16

Instrument :
BNA_G
ClientSampleId :
C0B24

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
229	21.8	15.6	23.4	
226	28.4	21.7	32.5	

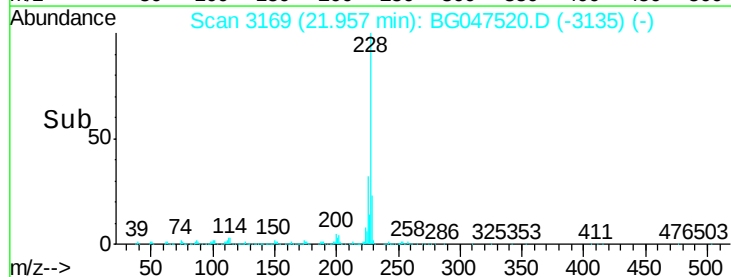
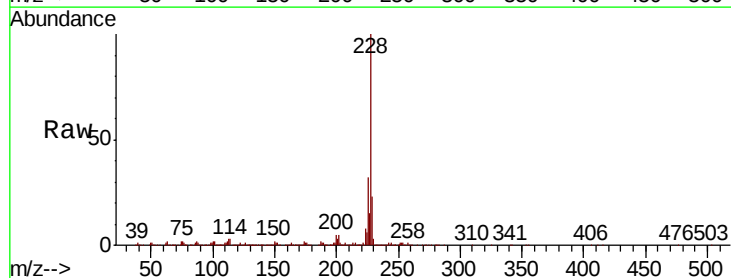
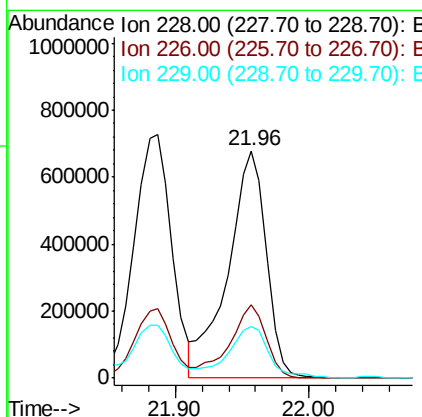
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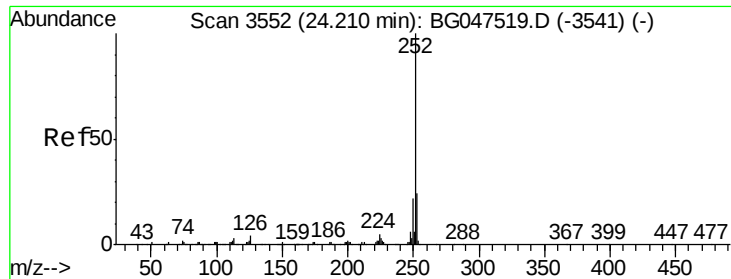
mohammad
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#85
Chrysene
Concen: 79.512 ng/ul
RT: 21.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BG047520.D
Acq: 2 Dec 2020 7:16

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	32.4	22.3	33.5	
229	23.0	16.5	24.7	





#88

Benzo(b)fluoranthene

Concen: 94.159 ng/ul

RT: 24.24 min Scan# 3558

Delta R.T. 0.02 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

ClientSampleId :

C0B24

Tot Ion:252 Resp: 1826990

Ion Ratio Lower Upper

252 100

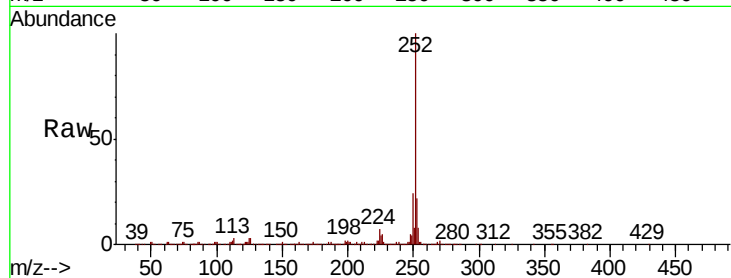
253 22.4 16.6 25.0

125 2.9 2.7 4.1

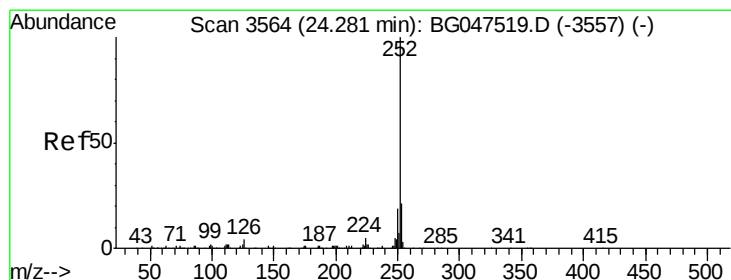
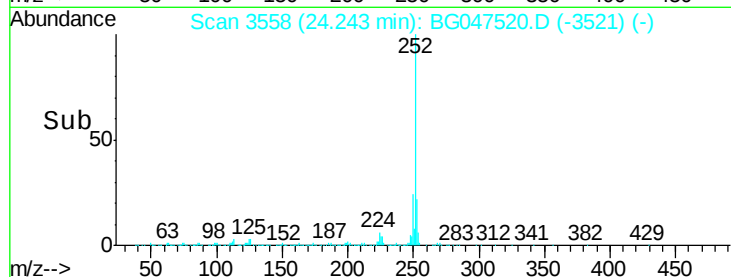
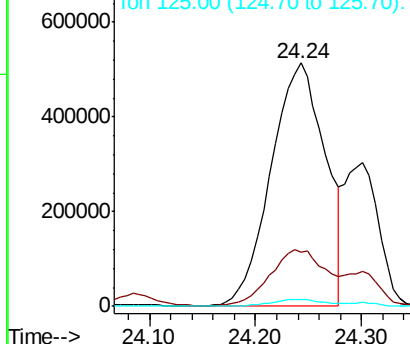
Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 35.075 ng/ul m

RT: 24.30 min Scan# 3568

Delta R.T. 0.01 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

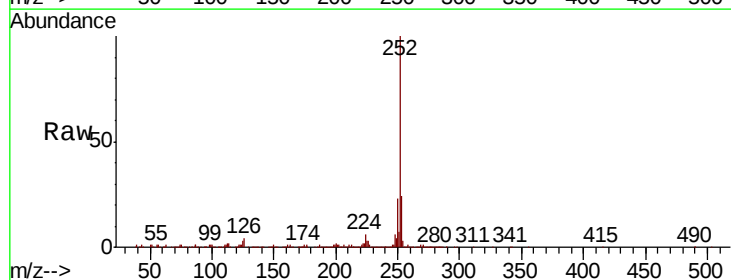
Tgt Ion:252 Resp: 670676

Ion Ratio Lower Upper

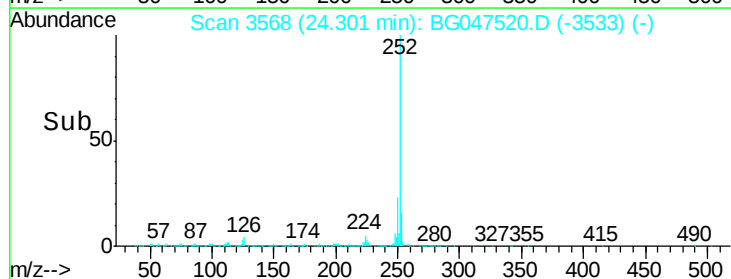
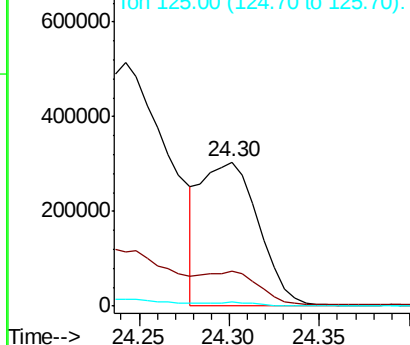
252 100

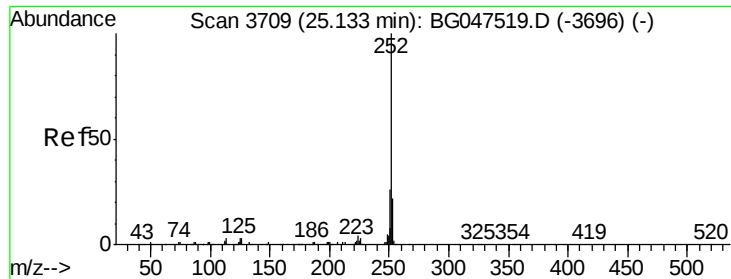
253 23.9 18.2 27.4

125 2.7 2.2 3.2



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





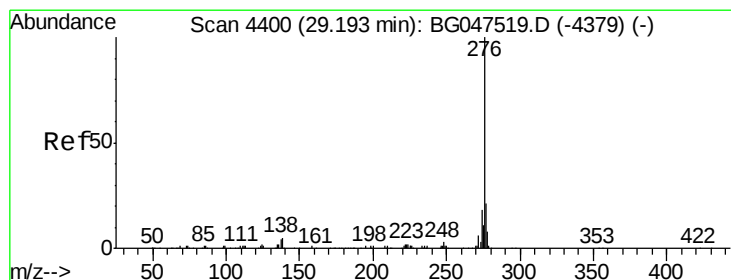
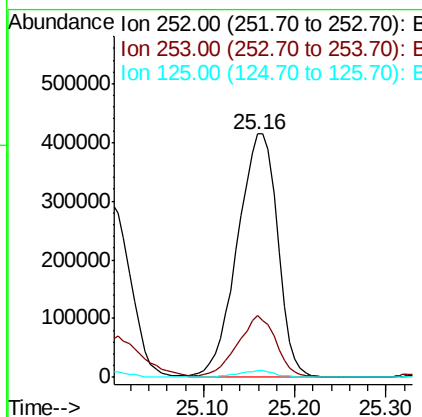
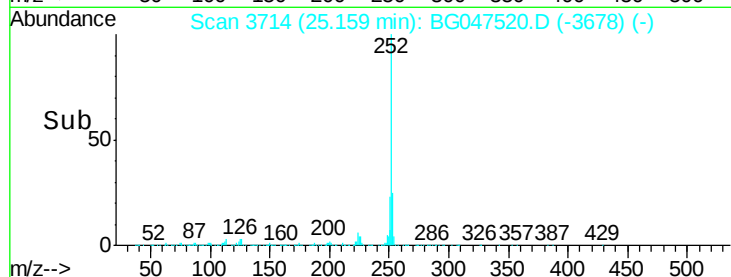
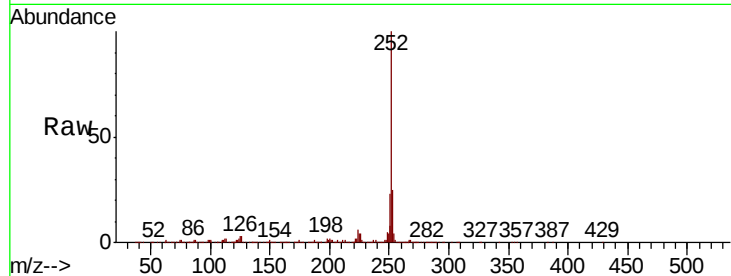
#91
Benzo(a)pyrene
Concen: 73.105 ng/ul m
RT: 25.16 min Scan# 3714
Delta R.T. 0.01 min
Lab File: BG047520.D
Acq: 2 Dec 2020 7:16

Instrument :
BNA_G
ClientSampled :
C0B24

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.6	27.8
125	2.9	3.1	4.7#

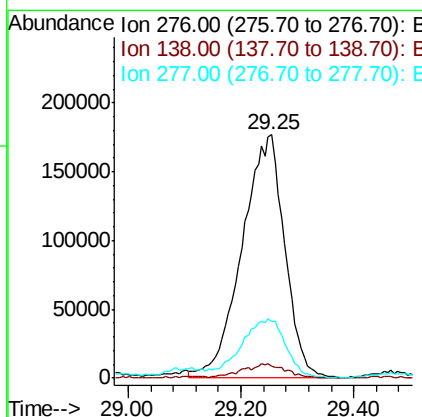
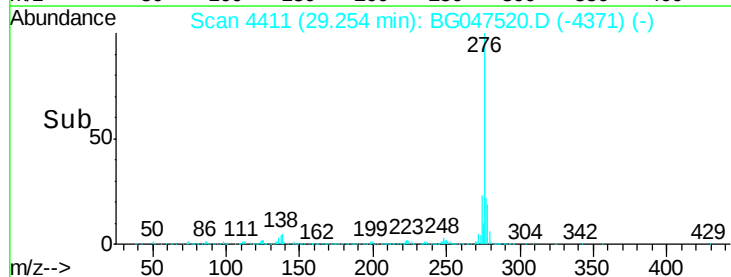
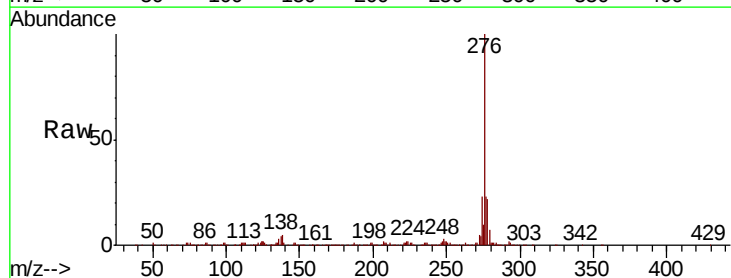
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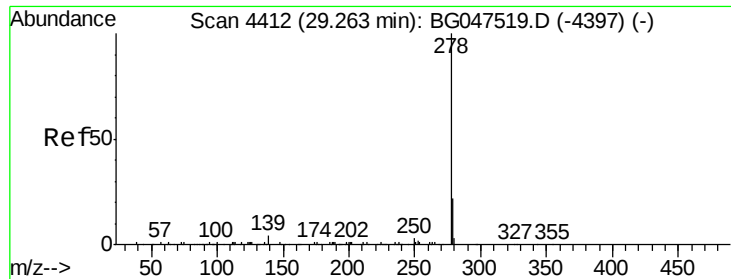
mohammad
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#92
Indeno(1,2,3-cd)pyrene
Concen: 43.869 ng/ul
RT: 29.25 min Scan# 4411
Delta R.T. 0.04 min
Lab File: BG047520.D
Acq: 2 Dec 2020 7:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.0	5.0	7.6#
277	23.2	16.5	24.7





#93

Dibenzo(a,h)anthracene

Concen: 14.495 ng/ul m

RT: 29.29 min Scan# 4417

Delta R.T. 0.00 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Instrument :

BNA_G

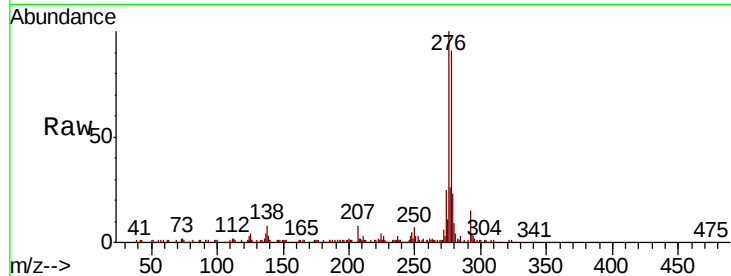
ClientSampled :

C0B24

Tot Ion	Ratio	Lower	Upper
278	100		
139	3.3	4.6	7.0#
279	25.4	18.2	27.2

Manual Integrations
APPROVED

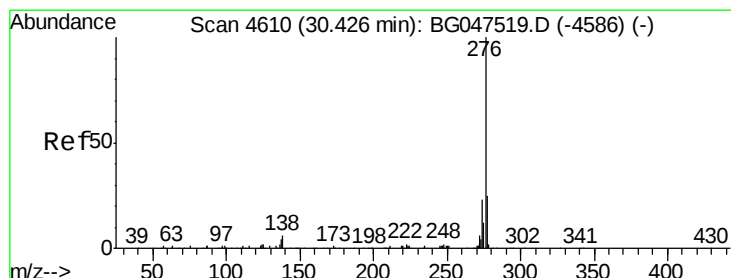
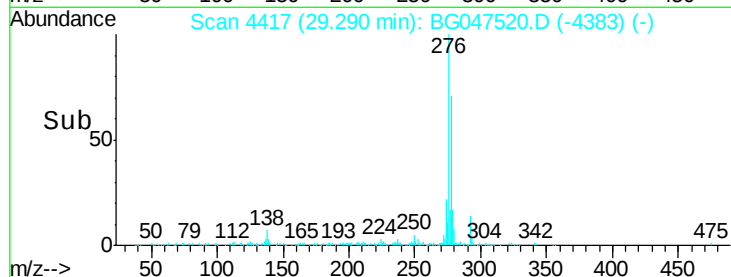
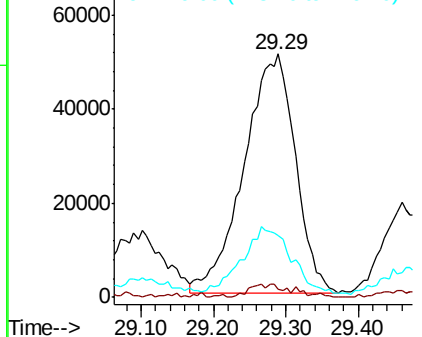
mohammad
12/2/2020 2:26:46 PM



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



#94

Benzo(g,h,i)perylene

Concen: 43.835 ng/ul

RT: 30.48 min Scan# 4619

Delta R.T. 0.03 min

Lab File: BG047520.D

Acq: 2 Dec 2020 7:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.1	5.8	8.6
277	23.6	17.4	26.2

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

