

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050721\
 Data File : BM029893.D
 Acq On : 08 May 2021 01:47
 Operator : CG/JU
 Sample : M2192-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BG595

Manual Integrations
 APPROVED

mohammad
 5/10/2021 11:45:33 AM

Quant Time: May 10 07:46:36 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 07 23:49:53 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	212898	20.00	ng/ul	0.00
20) Naphthalene-d8	10.33	136	956161	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.20	164	626623	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.95	188	1238561	20.00	ng/ul	0.00
79) Chrysene-d12	21.14	240	985588	20.00	ng/ul	0.00
88) Perylene-d12	23.30	264	900086	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	11027m	2.07	ng/uL	0.00
4) Pyridine-d5	3.52	84	52160m	3.91	ng/ul	0.04
7) Phenol-d5	6.74	99	196435	9.92	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	6.90	67	140825	11.47	ng/ul	0.00
11) 2-Chlorophenol-d4	7.09	132	173391	11.35	ng/ul	0.00
15) 4-Methylphenol-d8	8.28	113	174714	10.67	ng/ul	0.00
21) Nitrobenzene-d5	8.71	128	87194	13.23	ng/ul	0.00
24) 2-Nitrophenol-d4	9.43	143	90926	12.23	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.96	165	167686	11.24	ng/ul	0.00
31) 4-Chloroaniline-d4	10.48	131	225955	9.96	ng/ul	0.00
46) Dimethylphthalate-d6	13.62	166	695865	14.33	ng/ul	0.00
49) Acenaphthylene-d8	13.89	160	902463	14.66	ng/ul	0.00
54) 4-Nitrophenol-d4	14.45	143	40477	5.12	ng/ul	0.01
60) Fluorene-d10	15.20	176	650723	15.78	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.34	200	29903	3.72	ng/ul	0.00
73) Anthracene-d10	17.05	188	1021030	16.37	ng/ul	0.00
81) Pyrene-d10	19.35	212	1035366	20.48	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.16	264	827780	16.22	ng/ul	0.00

Target Compounds

					Ovalue
30) Naphthalene	10.38	128	179036	3.373 ng/ul	99
36) 2-Methylnaphthalene	12.00	142	59583	1.548 ng/ul	96
37) 1-Methylnaphthalene	12.22	142	100069	2.623 ng/ul#	96
47) Dimethylphthalate	13.67	163	86056	1.769 ng/ul	97
50) Acenaphthylene	13.92	152	190670	3.203 ng/ul	97
52) Acenaphthene	14.27	153	145495	3.458 ng/ul	100
61) Fluorene	15.26	166	176683	3.587 ng/ul#	97
72) Phenanthrene	16.99	178	1789450	24.503 ng/ul	99
74) Anthracene	17.08	178	727276	9.741 ng/ul	98
80) Fluoranthene	19.02	202	2317870	37.668 ng/ul	99
82) Pyrene	19.38	202	2954240	45.621 ng/ul	98
85) Benzo(a)anthracene	21.12	228	1623467m	25.247 ng/ul	
87) Chrysene	21.17	228	1531795	23.917 ng/ul	98
90) Benzo(b)fluoranthene	22.66	252	1193435	20.441 ng/ul#	93
91) Benzo(k)fluoranthene	22.69	252	305850m	4.983 ng/ul	
93) Benzo(a)pyrene	23.20	252	1158044	21.840 ng/ul	97
94) Indeno(1,2,3-cd)pyrene	25.44	276	497875	7.758 ng/ul	98
95) Dibenzo(a,h)anthracene	25.45	278	159401	2.930 ng/ul#	85
96) Benzo(g,h,i)perylene	26.11	276	481536	9.260 ng/ul	98

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

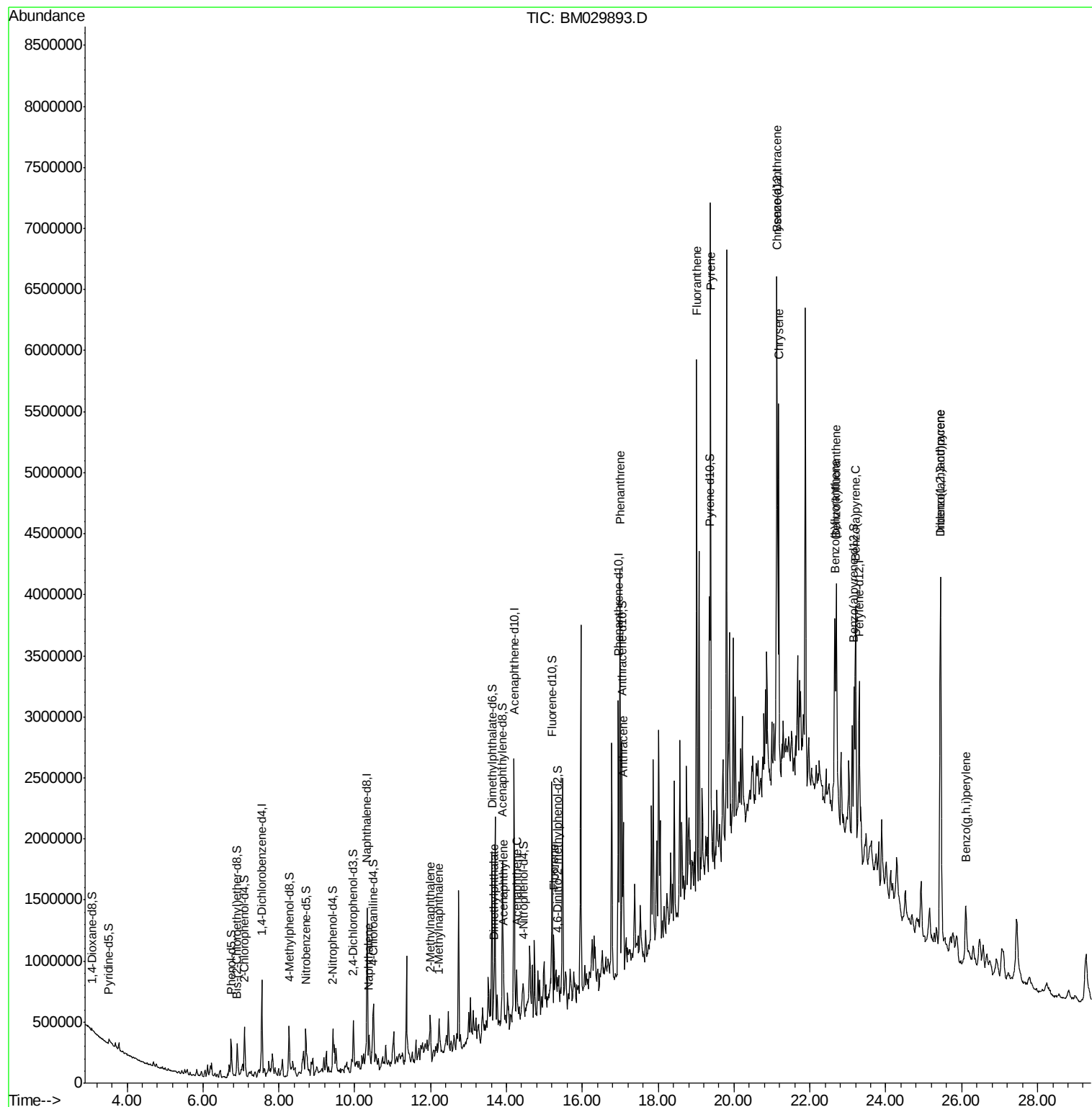
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050721\
Data File : BM029893.D
Acq On : 08 May 2021 01:47
Operator : CG/JU
Sample : M2192-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

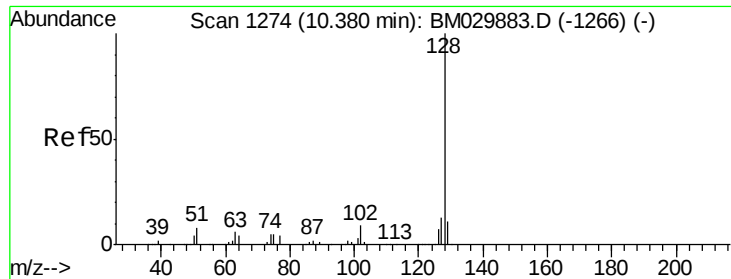
Instrument :
BNA_M
ClientSampled :
BG595

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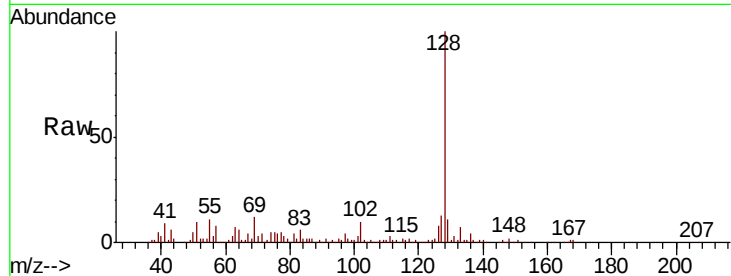
#30
Naphthalene
Concen: 3.373 ng/ul
RT: 10.38 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BM029893.D
Acq: 08 May 2021 01:47

Instrument :
BNA_M
ClientSampleId :
BG595

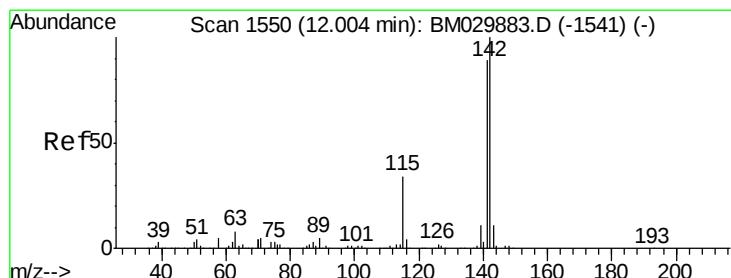
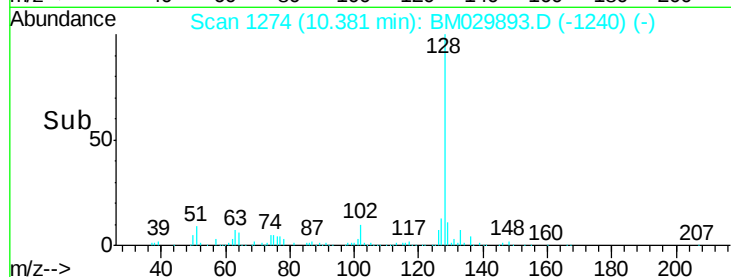
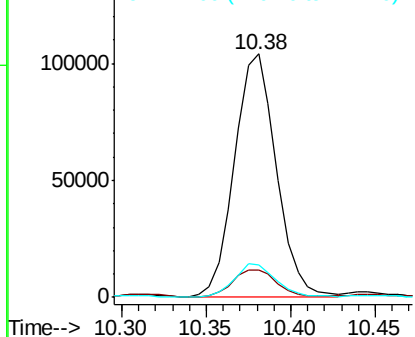
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.5	12.7
127	13.3	10.4	15.6

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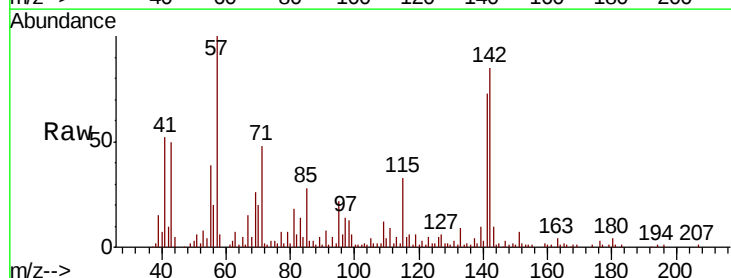


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

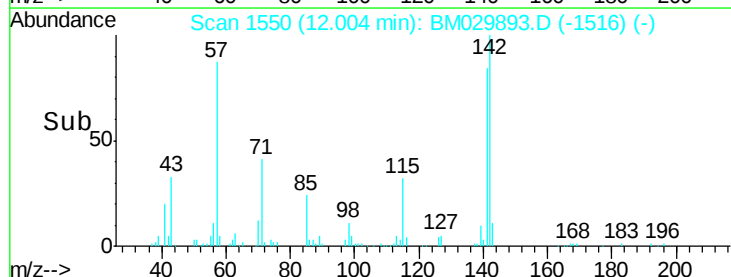
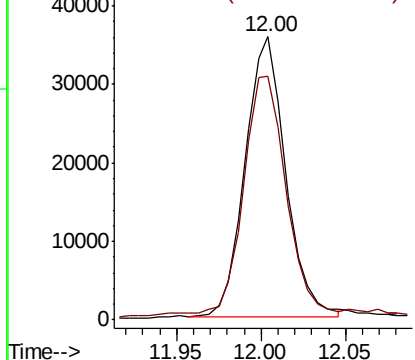


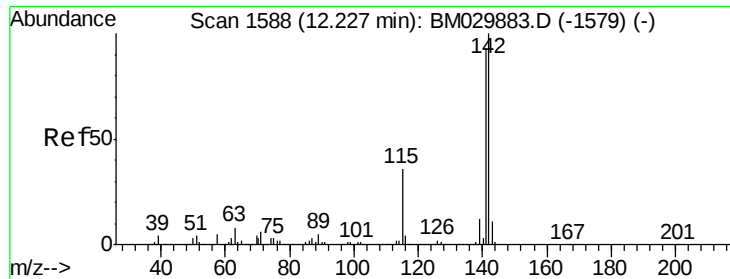
#36
2-Methylnaphthalene
Concen: 1.548 ng/ul
RT: 12.00 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BM029893.D
Acq: 08 May 2021 01:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.0	72.1	108.1



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





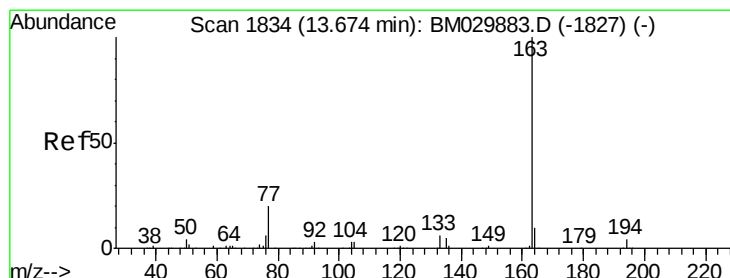
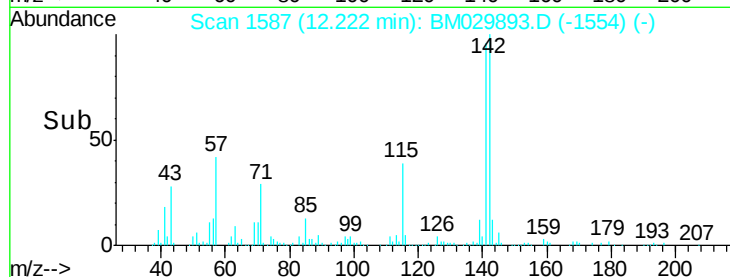
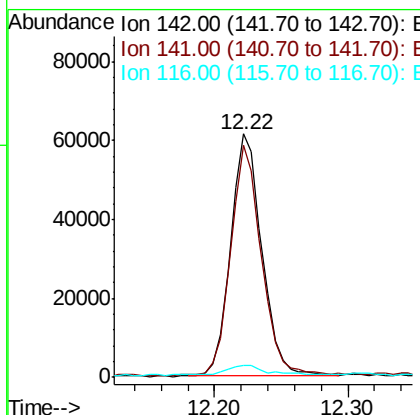
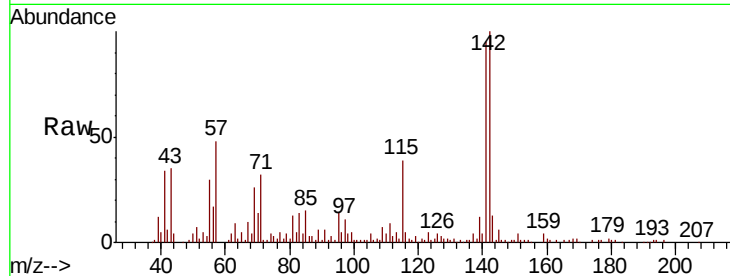
#37
1-Methylnaphthalene
Concen: 2.623 ng/ul
RT: 12.22 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BM029893.D
Acq: 08 May 2021 01:47

Instrument :
BNA_M
ClientSampleId :
BG595

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.3	72.9	109.3
116	5.1	3.0	4.6#

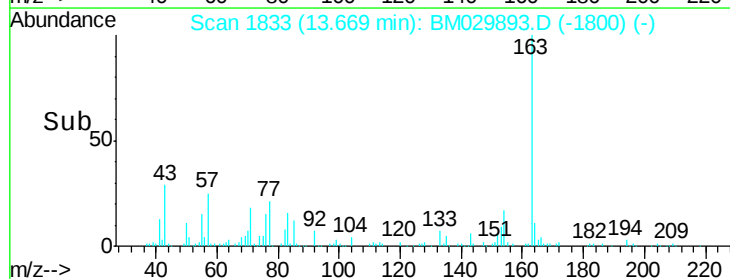
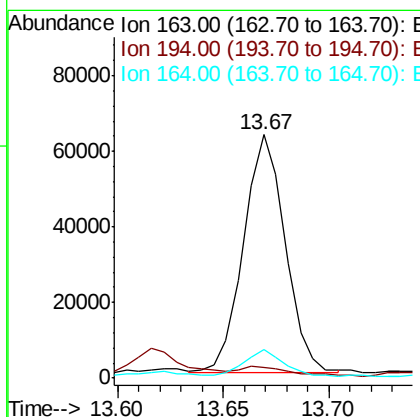
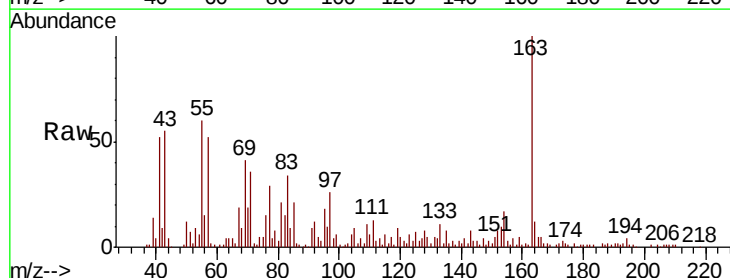
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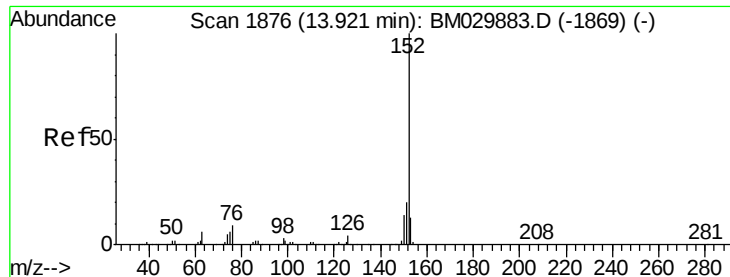
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#47
Dimethylphthalate
Concen: 1.769 ng/ul
RT: 13.67 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BM029893.D
Acq: 08 May 2021 01:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	11.6	7.8	11.8





#50

Acenaphthylene

Concen: 3.203 ng/ul

RT: 13.92 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BM029893.D

Acq: 08 May 2021 01:47

Instrument :

BNA_M

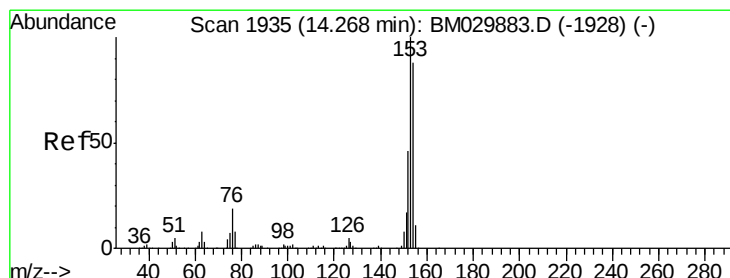
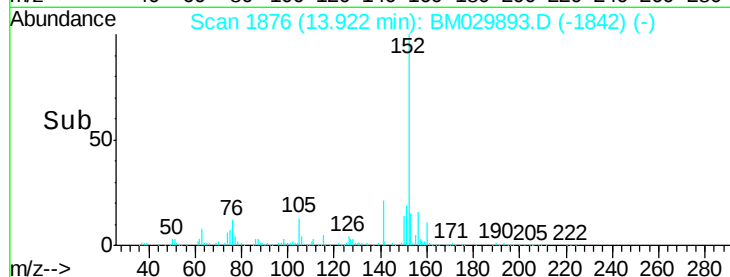
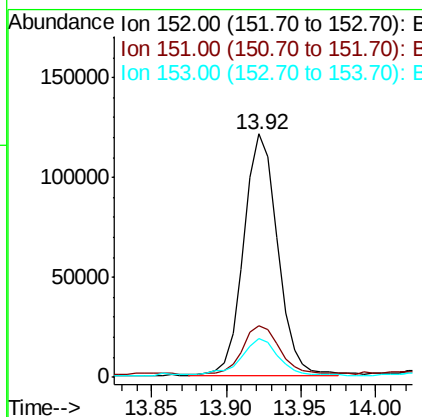
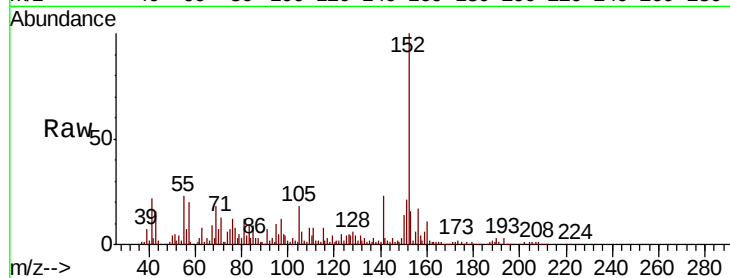
ClientSampleId :

BG595

Tot Ion:	152	Resp:	190670
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.6	24.8
153	15.7	10.6	16.0

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#52

Acenaphthene

Concen: 3.458 ng/ul

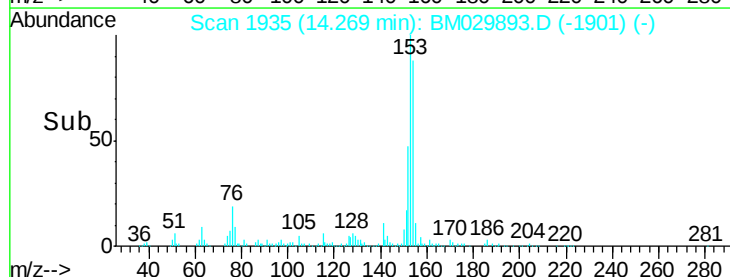
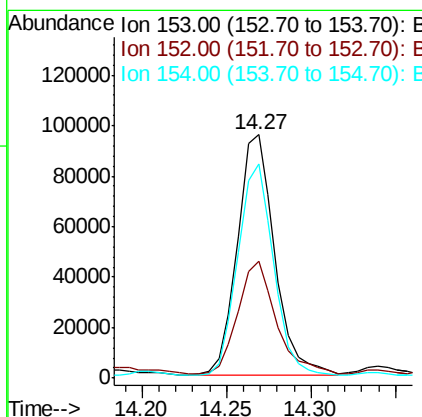
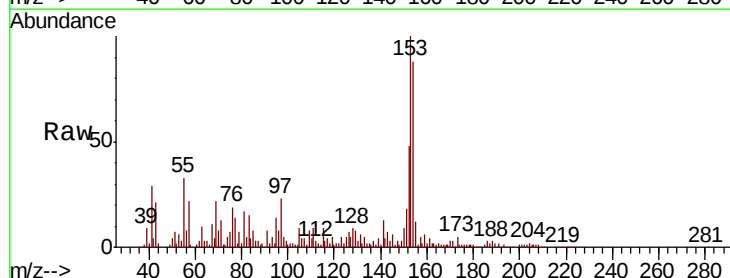
RT: 14.27 min Scan# 1935

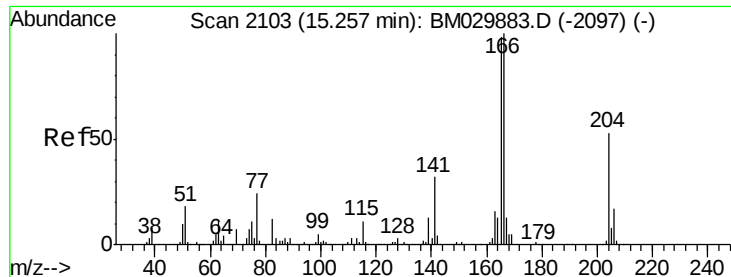
Delta R.T. -0.00 min

Lab File: BM029893.D

Acq: 08 May 2021 01:47

Tgt Ion:	153	Resp:	145495
Ion Ratio	Lower	Upper	
153	100		
152	47.8	37.7	56.5
154	87.8	70.2	105.4





#61

Fluorene

Concen: 3.587 ng/ul

RT: 15.26 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BM029893.D

Acq: 08 May 2021 01:47

Instrument :

BNA_M

ClientSampleId :

BG595

Tot Ion:166 Resp: 176683

Ion Ratio Lower Upper

166 100

165 99.6 78.4 117.6

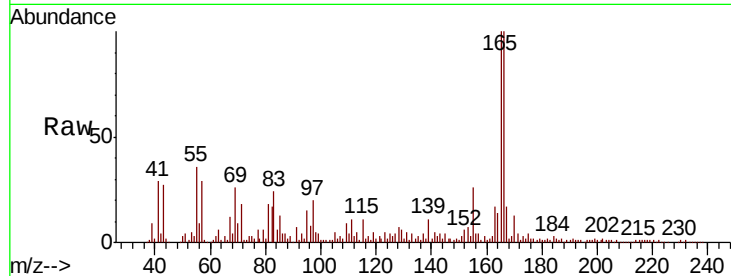
167 17.4 10.9 16.3#

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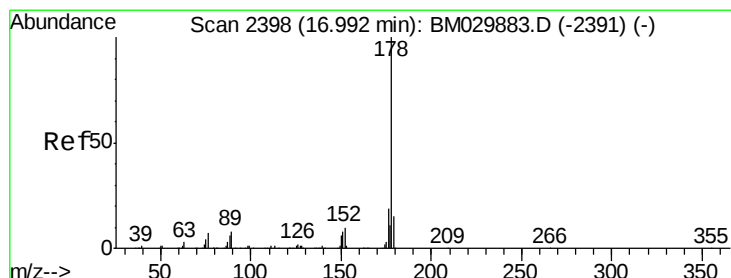
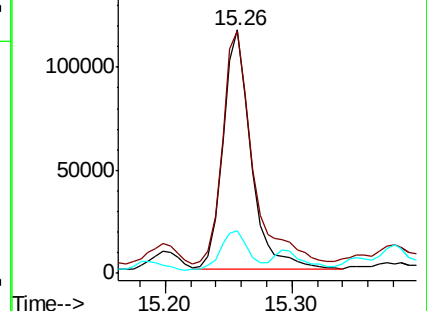
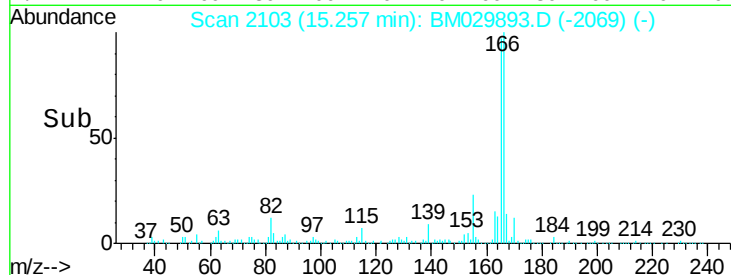
5/10/2021 11:45:33 AM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#72

Phenanthrene

Concen: 24.503 ng/ul

RT: 16.99 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BM029893.D

Acq: 08 May 2021 01:47

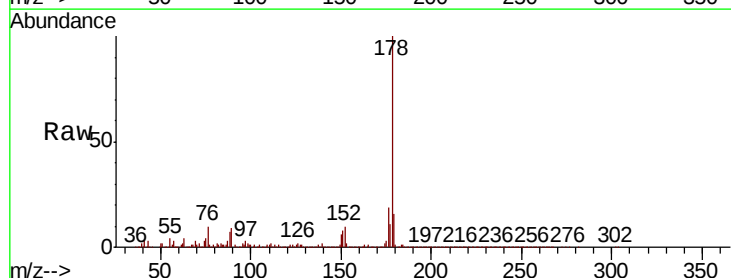
Tgt Ion:178 Resp: 1789450

Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.4

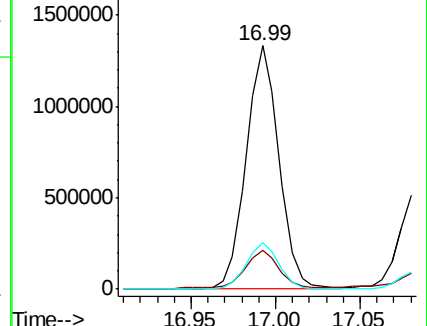
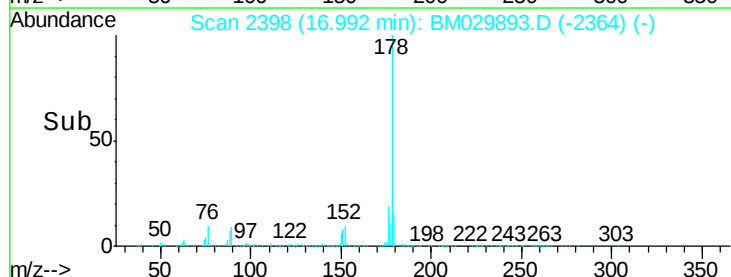
176 19.0 15.0 22.4

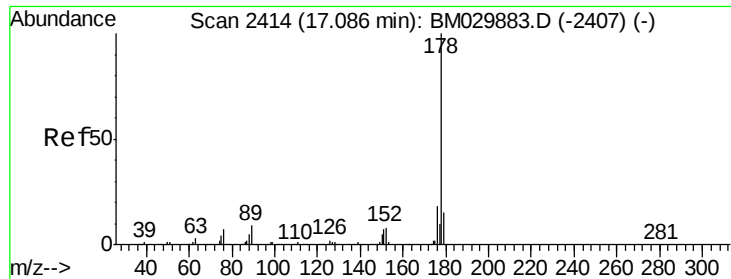


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Anthracene

Concen: 9.741 ng/ul

RT: 17.08 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BM029893.D

Acq: 08 May 2021 01:47

Instrument :

BNA_M

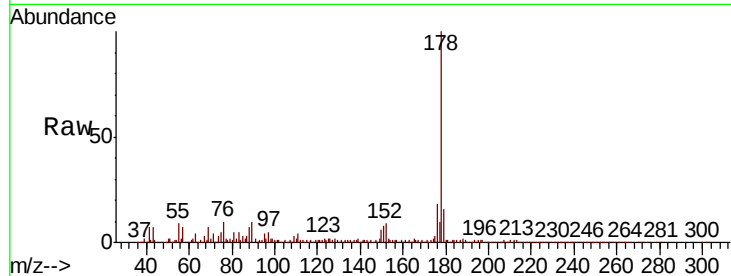
ClientSampled :

BG595

Tot Ion:	178	Resp:	727276
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.2	18.2
176	18.2	14.9	22.3

Manual Integrations
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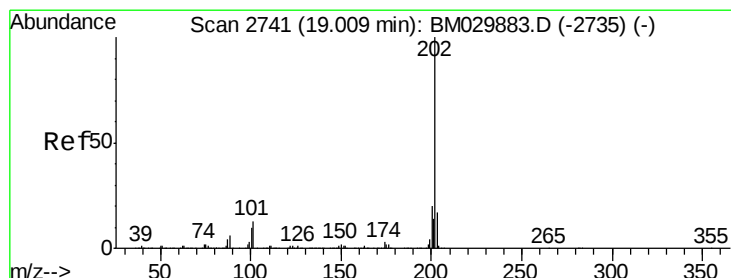
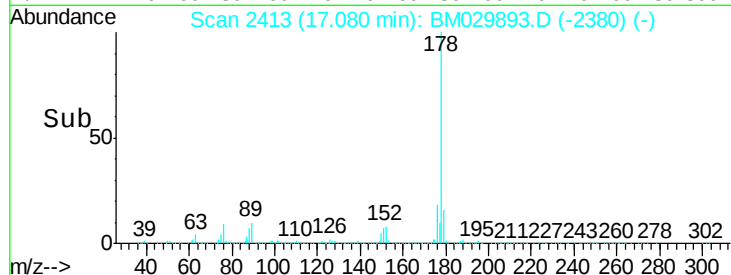
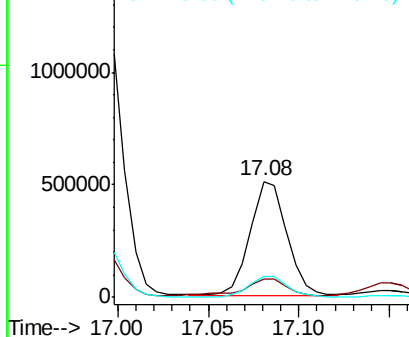


Abundance

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



#80

Fluoranthene

Concen: 37.668 ng/ul

RT: 19.02 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BM029893.D

Acq: 08 May 2021 01:47

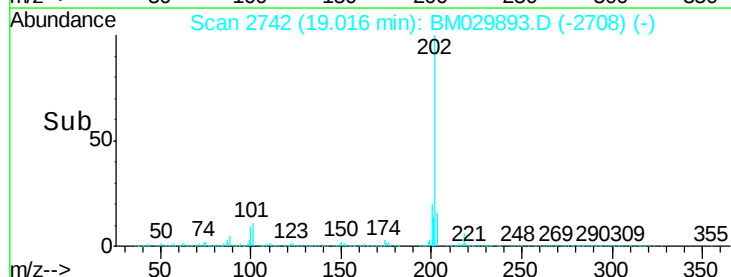
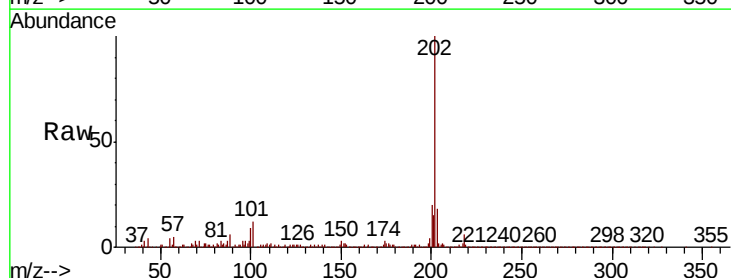
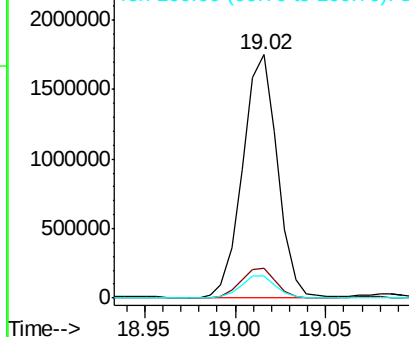
Tgt Ion:	202	Resp:	2317870
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.0	13.4
100	8.9	7.0	10.6

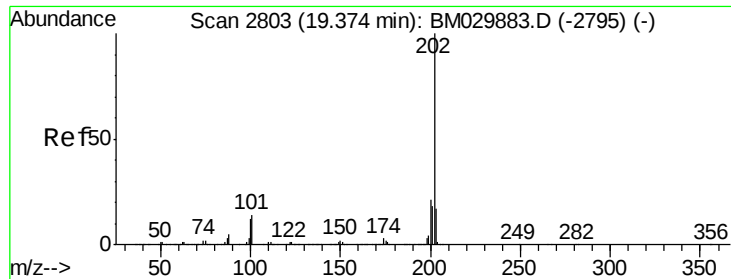
Abundance

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





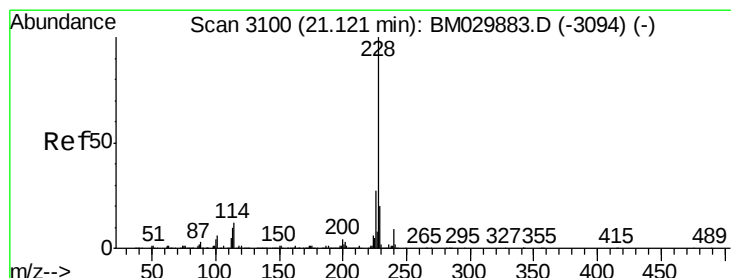
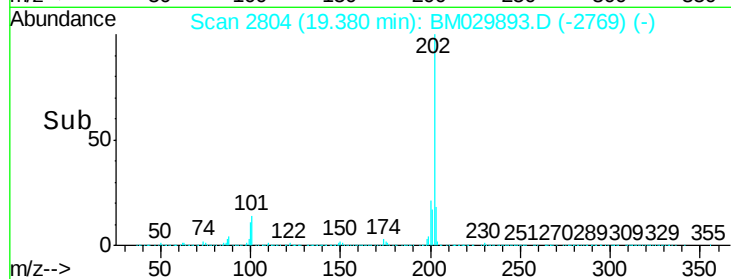
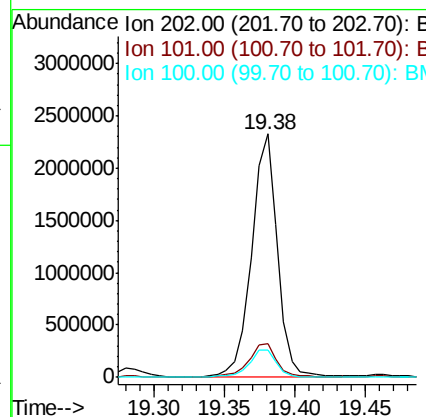
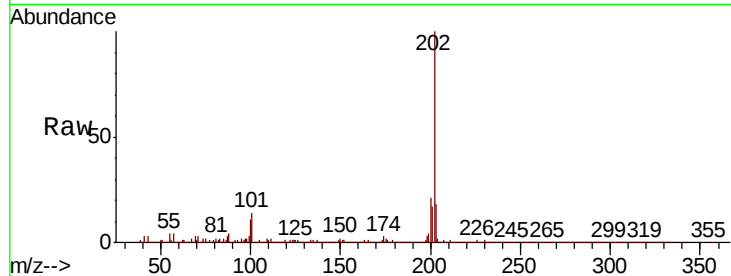
#82
Pvrene
Concen: 45.621 ng/ul
RT: 19.38 min Scan# 2804
Delta R.T. 0.01 min
Lab File: BM029893.D
Acq: 08 May 2021 01:47

Instrument :
BNA_M
ClientSampleId :
BG595

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	11.8	17.6
100	11.1	9.2	13.8

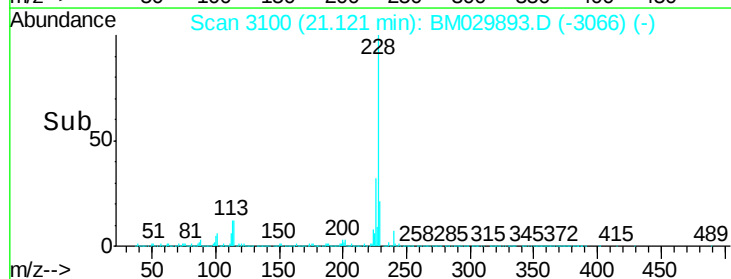
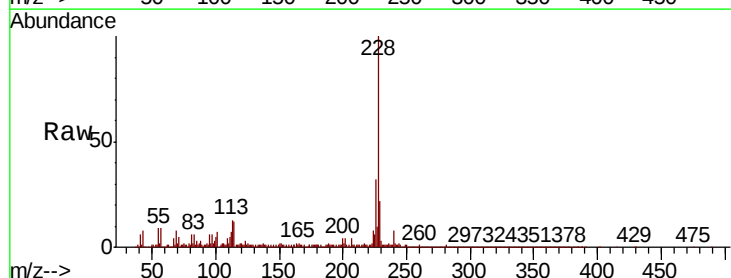
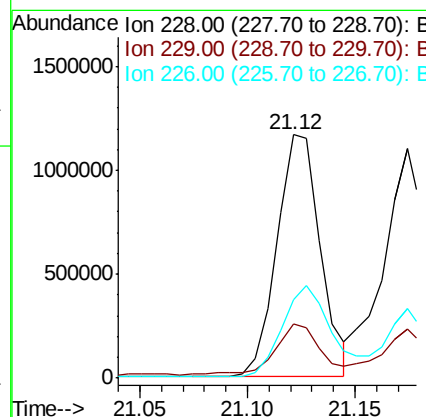
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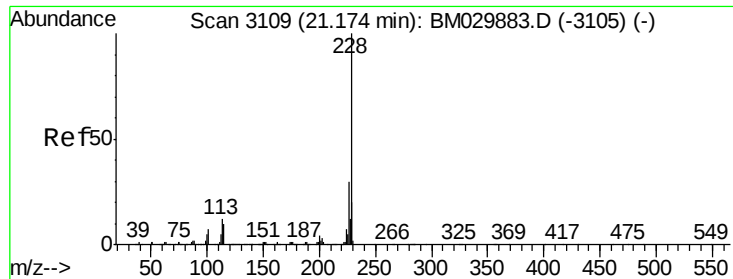
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#85
Benzo(a)anthracene
Concen: 25.247 ng/ul m
RT: 21.12 min Scan# 3100
Delta R.T. -0.00 min
Lab File: BM029893.D
Acq: 08 May 2021 01:47

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.9	23.9
226	32.4	21.4	32.0





#87

Chrysene

Concen: 23.917 ng/ul

RT: 21.17 min Scan# 3109

Delta R.T. -0.00 min

Lab File: BM029893.D

Acq: 08 May 2021 01:47

Instrument :

BNA_M

ClientSampleId :

BG595

Tot Ion:228 Resp: 1531795

Ion Ratio Lower Upper

228 100

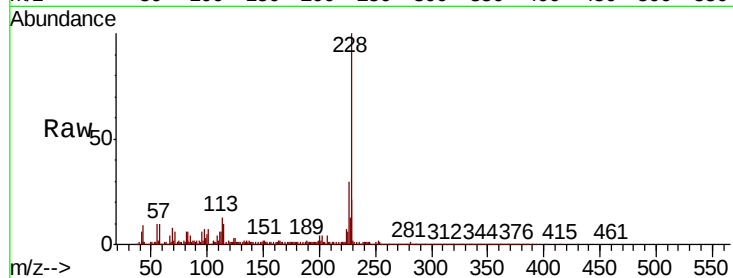
226 30.3 23.9 35.9

229 21.3 15.6 23.4

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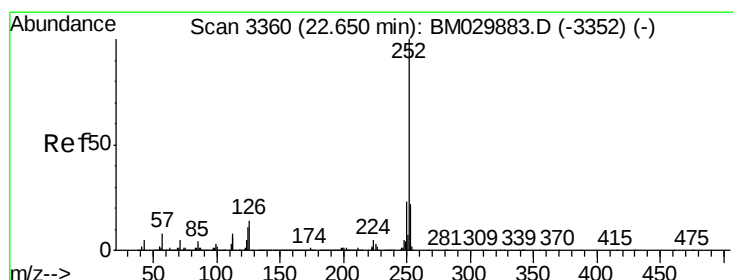
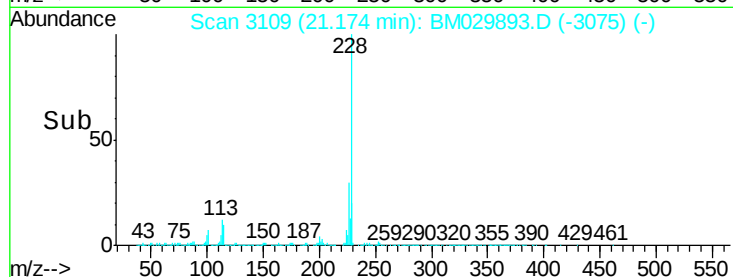
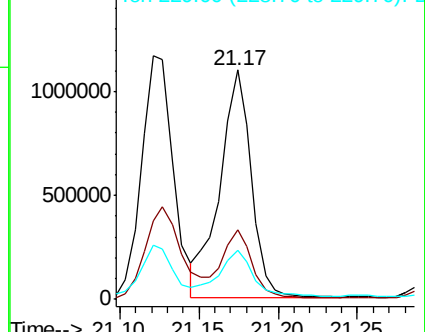


Abundance

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



#90

Benzo(b)fluoranthene

Concen: 20.441 ng/ul

RT: 22.66 min Scan# 3361

Delta R.T. 0.01 min

Lab File: BM029893.D

Acq: 08 May 2021 01:47

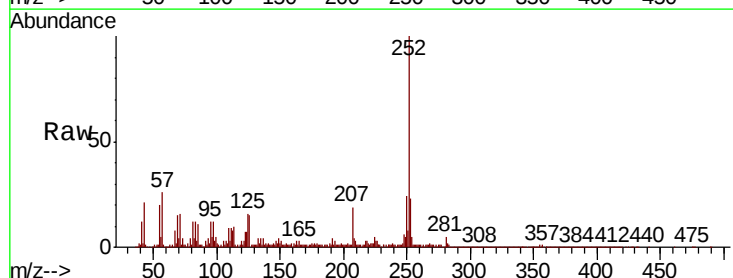
Tgt Ion:252 Resp: 1193435

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 15.6 8.6 12.8#

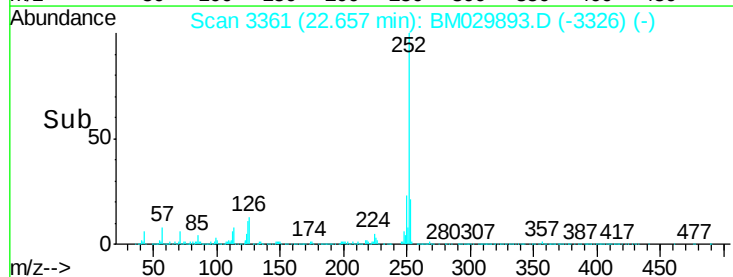
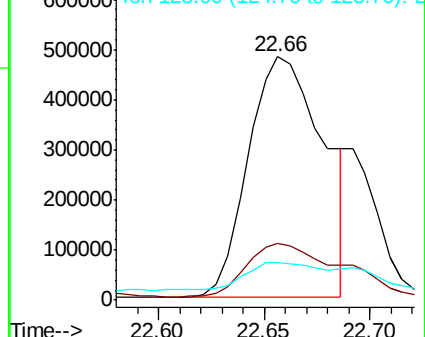


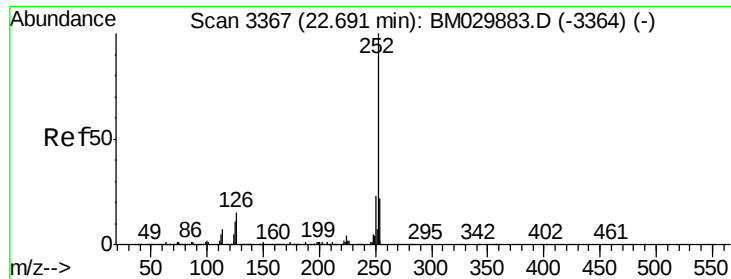
Abundance

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





#91

Benzo(k)fluoranthene

Concen: 4.983 ng/ul

RT: 22.69 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BM029893.D

Acq: 08 May 2021 01:47

Instrument :

BNA_M

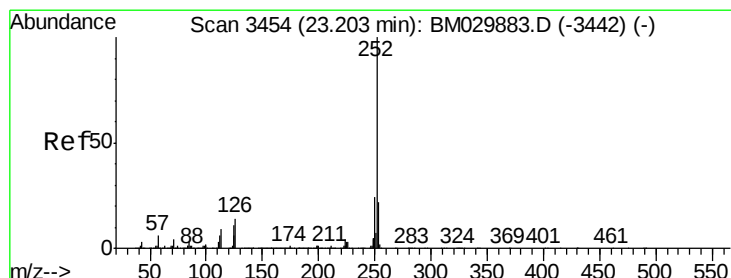
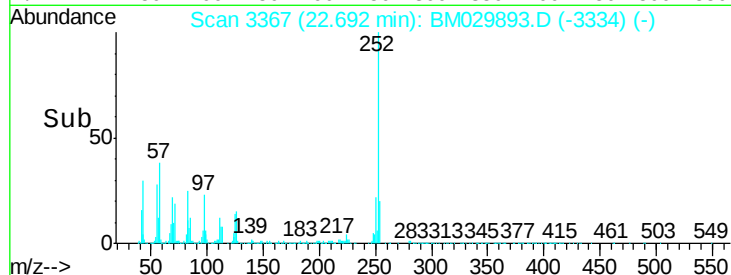
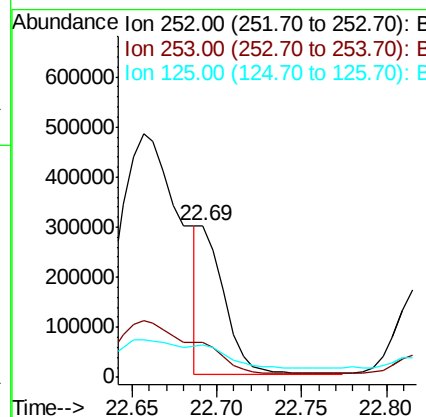
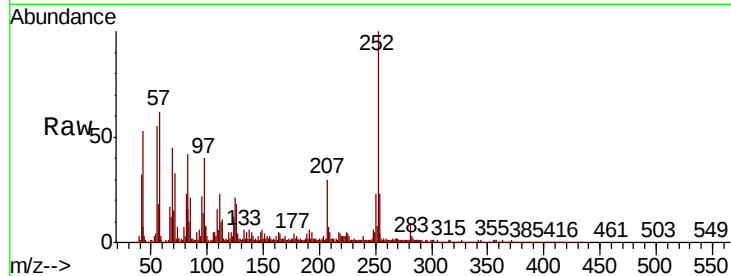
ClientSampleId :

BG595

Tot Ion:	252	Resp:	305850
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.8
125	21.4	8.4	12.6

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#93

Benzo(a)pyrene

Concen: 21.840 ng/ul

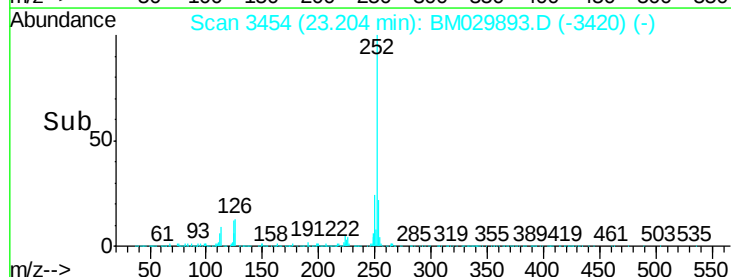
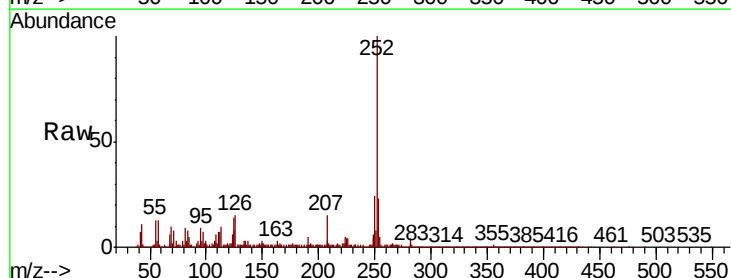
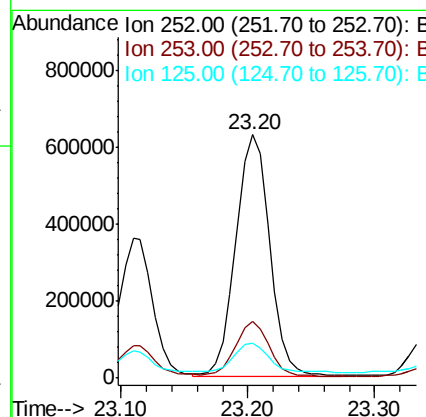
RT: 23.20 min Scan# 3454

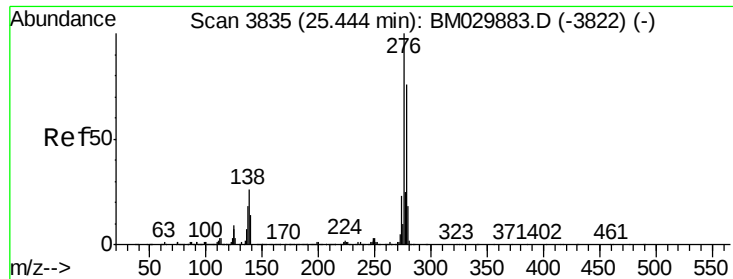
Delta R.T. -0.00 min

Lab File: BM029893.D

Acq: 08 May 2021 01:47

Tgt Ion:	252	Resp:	1158044
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	14.3	9.6	14.4





#94

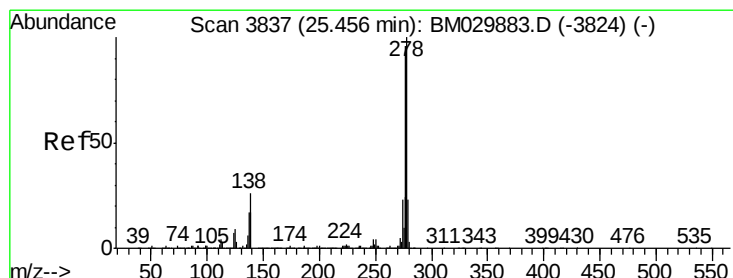
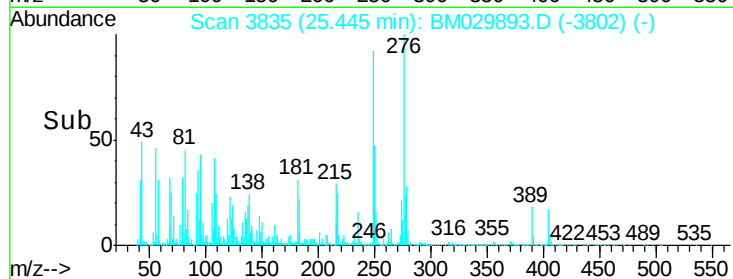
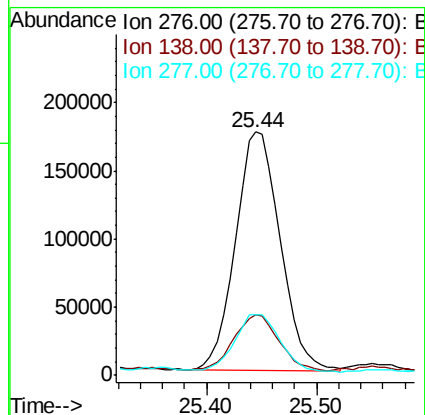
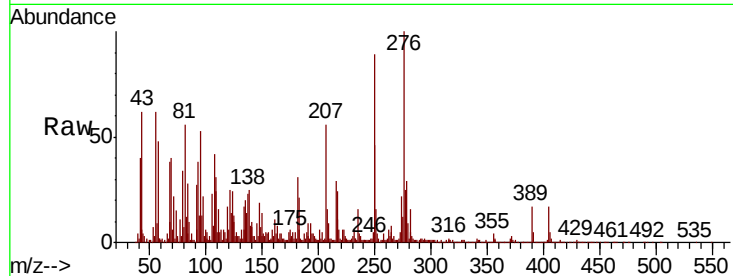
Indeno(1,2,3-cd)pyrene
Concen: 7.758 ng/ul
RT: 25.44 min Scan# 3835
Delta R.T. -0.01 min
Lab File: BM029893.D
Acq: 08 May 2021 01:47

Instrument :
BNA_M
ClientSampleId :
BG595

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	21.1	31.7
277	24.9	20.3	30.5

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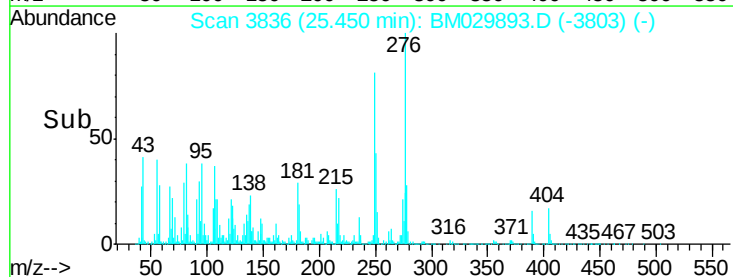
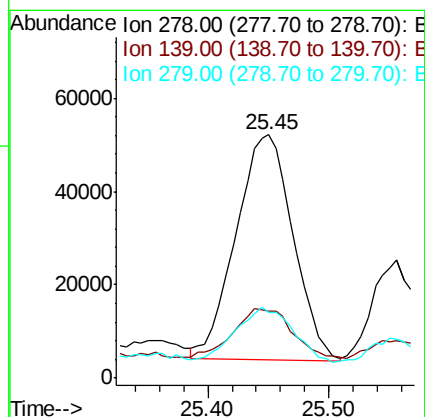
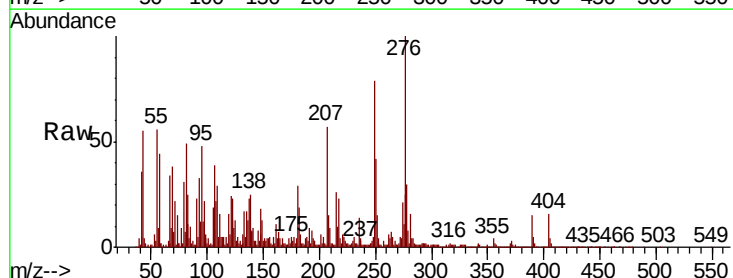
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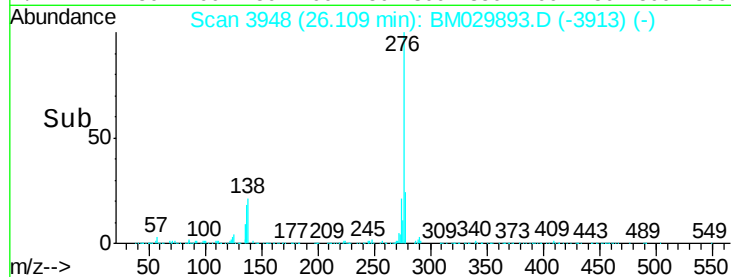
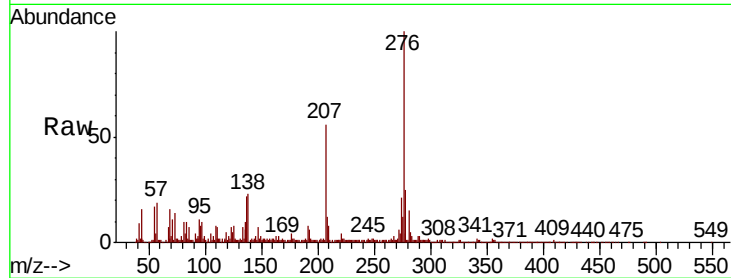
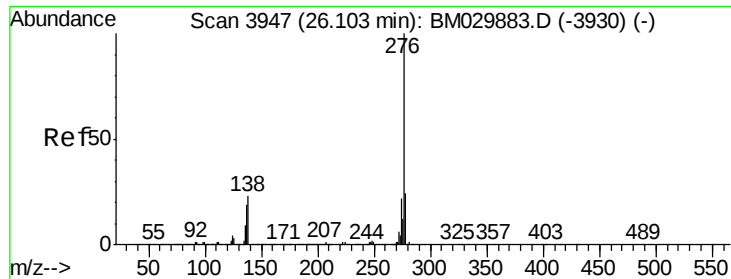


#95

Dibenzo(a,h)anthracene
Concen: 2.930 ng/ul
RT: 25.45 min Scan# 3836
Delta R.T. -0.01 min
Lab File: BM029893.D
Acq: 08 May 2021 01:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.3	13.5	20.3#
279	27.0	18.6	28.0





#96

Benzo(a,h,i)perylene

Concen: 9.260 ng/ul

RT: 26.11 min Scan# 3948

Delta R.T. 0.01 min

Lab File: BM029893.D

Acq: 08 May 2021 01:47

Tot Ion:	276	Resp:	481536
Ion Ratio		Lower	Upper
276	100		
138	22.8	17.8	26.8
277	24.6	18.5	27.7

Instrument :

BNA_M

ClientSampleId :

BG595

Manual Integrations
APPROVED

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