

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033121\
 Data File : BM029295.D
 Acq On : 31 Mar 2021 15:51
 Operator : CG/JU
 Sample : M1720-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BG-3-(0.0-0.5)

Manual Integrations
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Quant Time: Mar 31 16:35:47 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 29 11:14:33 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	188699	20.00	ng	0.00
21) Naphthalene-d8	10.528	136	733942	20.00	ng	0.00
39) Acenaphthene-d10	14.374	164	393814	20.00	ng	0.00
64) Phenanthrene-d10	17.121	188	643269	20.00	ng	0.00
76) Chrysene-d12	21.297	240	649075	20.00	ng	0.01
86) Perylene-d12	23.544	264	616718	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1199871	109.61	ng	0.00
7) Phenol-d6	6.928	99	1597205	101.67	ng	0.00
23) Nitrobenzene-d5	8.898	82	1119601	74.06	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	346555	95.03	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	1869005	67.32	ng	0.00
79) Terphenyl-d14	19.739	244	1519065	47.02	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.893	77	67741	6.87	ng	97
10) Phenol	6.951	94	31957	2.06	ng	93
32) Benzoic acid	9.769	122	13682	6.37	ng	95
49) Acenaphthylene	14.098	152	71738	2.00	ng	# 97
50) Dimethylphthalate	13.833	163	70395	2.56	ng	98
52) Acenaphthene	14.439	154	305902	13.42	ng	99
55) Dibenzofuran	14.774	168	267746	7.47	ng	99
58) Fluorene	15.421	166	436343	15.01	ng	100
71) Phenanthrene	17.168	178	9721287	260.60	ng	95
72) Anthracene	17.251	178	1277883	35.26	ng	99
73) Carbazole	17.521	167	947372	26.57	ng	100
75) Fluoranthene	19.192	202	16173067	392.46	ng	80
78) Pyrene	19.551	202	13716174	312.13	ng	# 86
81) Benzo(a)anthracene	21.286	228	6788995	160.26	ng	93
83) Chrysene	21.339	228	7752031m	182.90	ng	
87) Indeno(1,2,3-cd)pyrene	25.838	276	4648255	103.05	ng	95
88) Benzo(b)fluoranthene	22.886	252	10471488	261.00	ng	97
89) Benzo(k)fluoranthene	22.921	252	3104531m	79.64	ng	
90) Benzo(a)pyrene	23.462	252	6629036	182.40	ng	97
91) Dibenzo(a,h)anthracene	25.838	278	1138298m	29.48	ng	
92) Benzo(g,h,i)perylene	26.538	276	4210478	111.30	ng	97

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

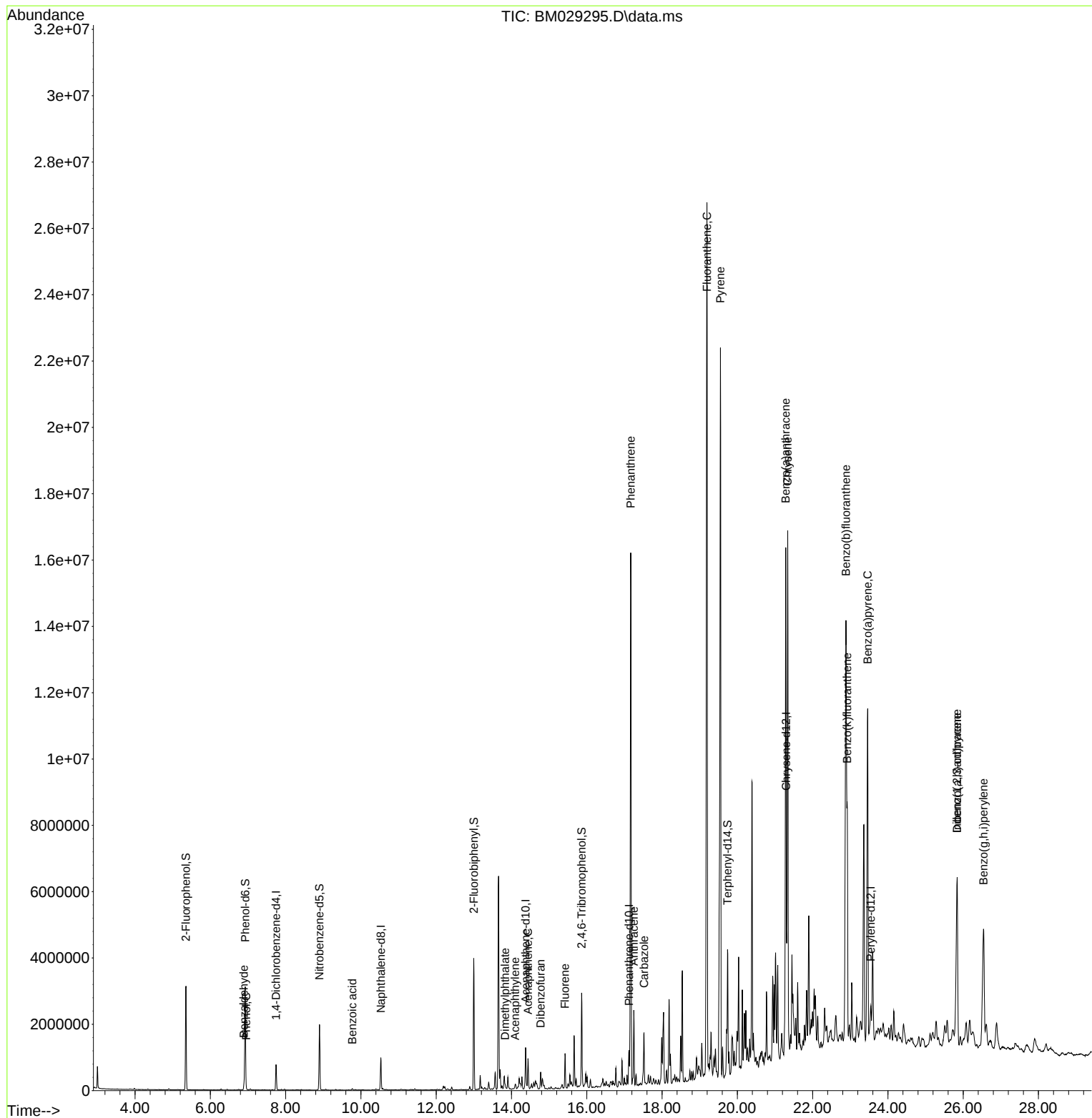
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033121\
Data File : BM029295.D
Acq On : 31 Mar 2021 15:51
Operator : CG/JU
Sample : M1720-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

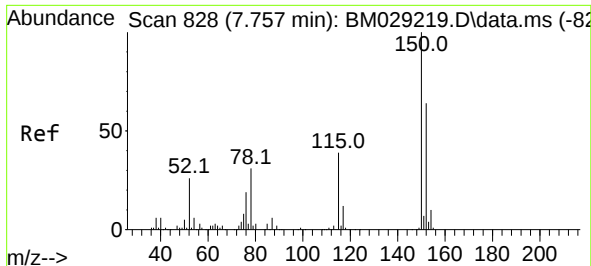
Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)

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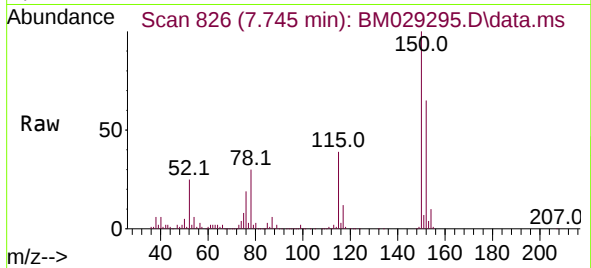
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

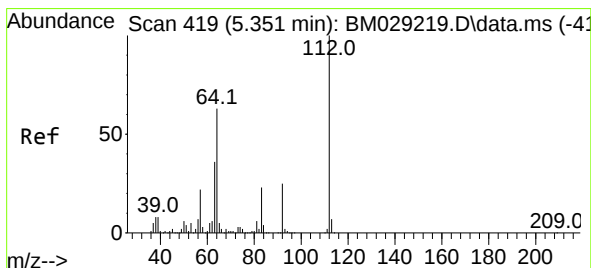
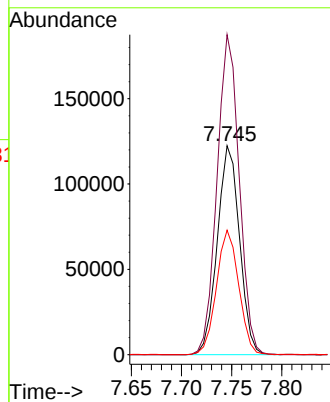
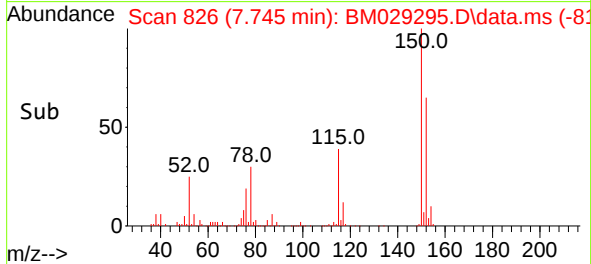




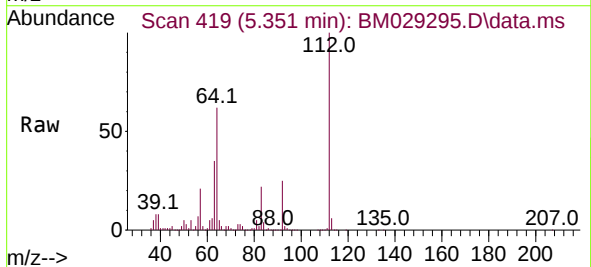
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.745 min Scan# 826
Delta R.T. -0.007 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



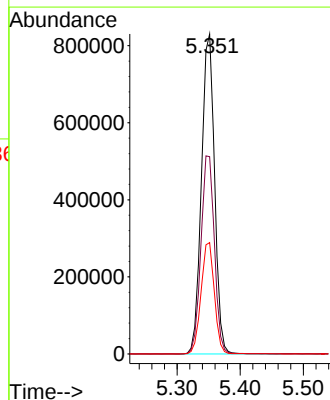
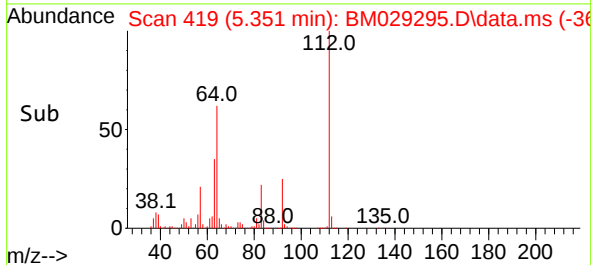
Tgt Ion:152 Resp: 188699
Ion Ratio Lower Upper
152 100
150 153.1 124.3 186.5
115 59.6 46.4 69.6



#5
2-Fluorophenol
Concen: 109.61 ng
RT: 5.351 min Scan# 419
Delta R.T. -0.000 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



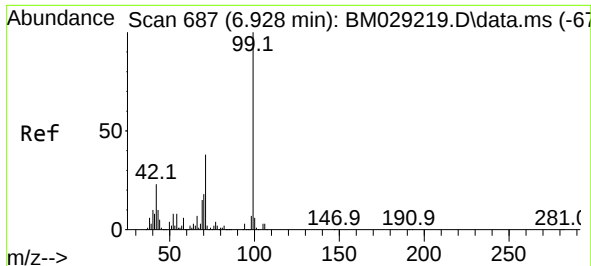
Tgt Ion:112 Resp: 1199871
Ion Ratio Lower Upper
112 100
64 61.6 51.6 77.4
63 34.8 29.0 43.4



Instrument :
BNA_M
ClientSampleId :
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#7
Phenol-d6
Concen: 101.67 ng
RT: 6.928 min Scan# 687
Delta R.T. 0.006 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

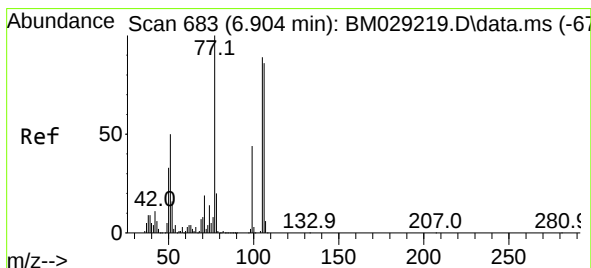
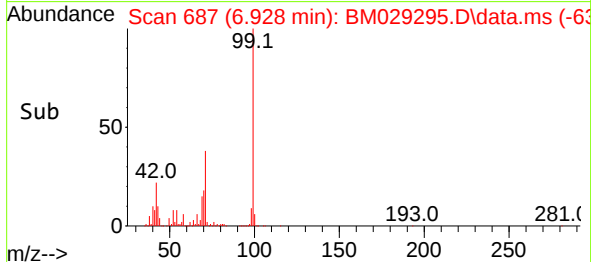
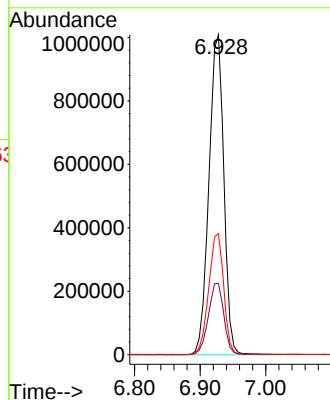
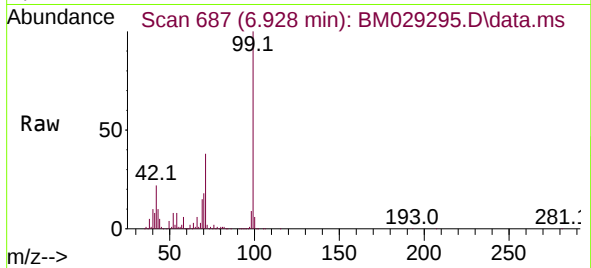
Tgt Ion: 99 Resp: 1597205

Ion	Ratio	Lower	Upper
99	100		
42	22.3	18.5	27.7
71	37.8	31.8	47.6

Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)

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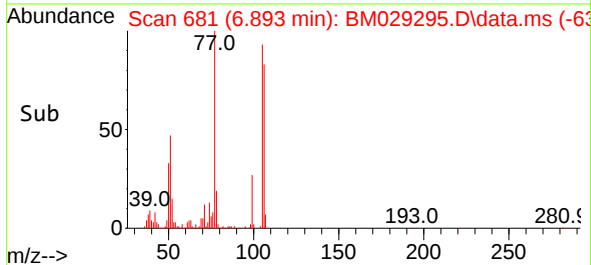
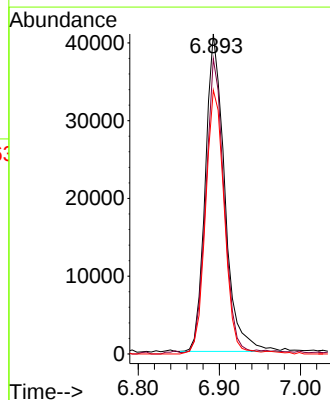
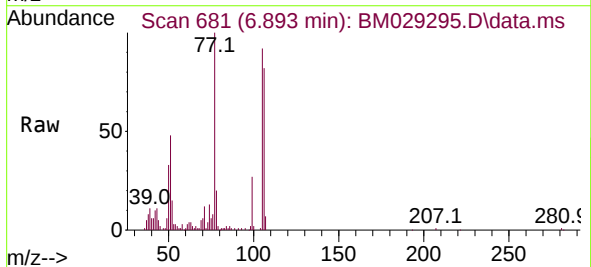
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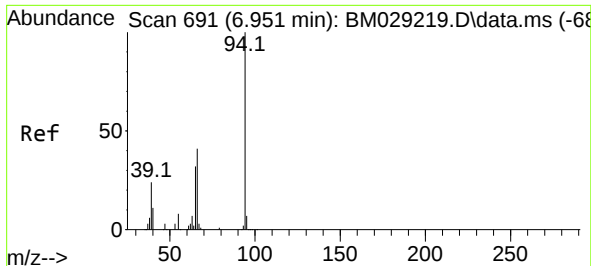


#9
Benzaldehyde
Concen: 6.87 ng
RT: 6.893 min Scan# 681
Delta R.T. -0.006 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

Tgt Ion: 77 Resp: 67741

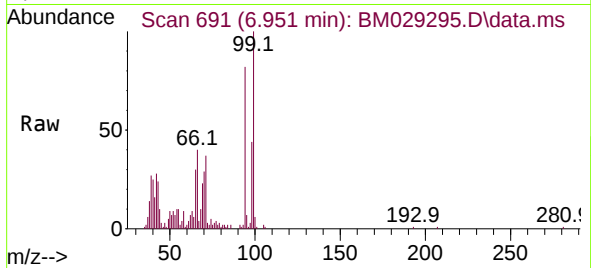
Ion	Ratio	Lower	Upper
77	100		
105	92.3	71.4	111.4
106	82.4	66.5	106.5



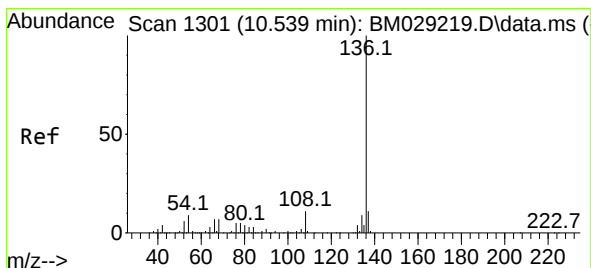
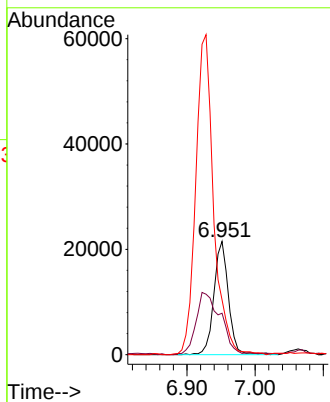
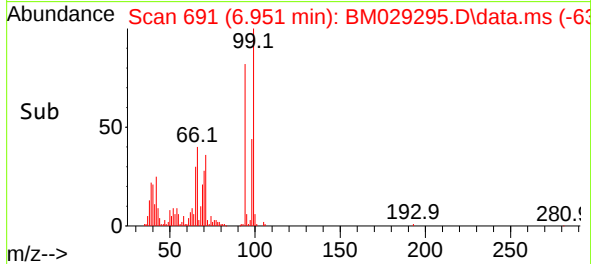


#10
Phenol
Concen: 2.06 ng
RT: 6.951 min Scan# 691
Delta R.T. 0.006 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

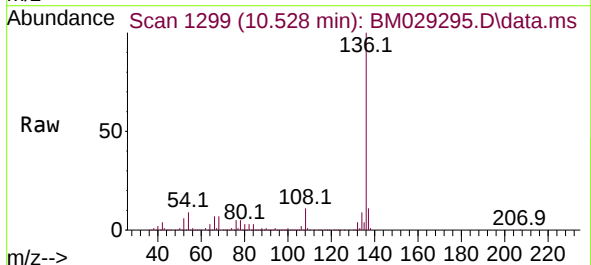
Instrument :
BNA_M
ClientSampled :
BG-3-(0.0-0.5)



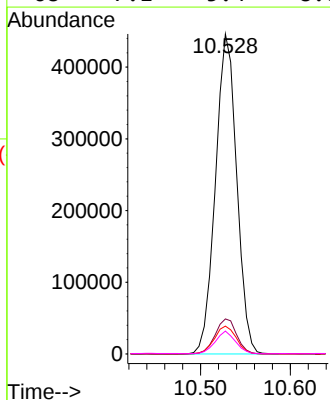
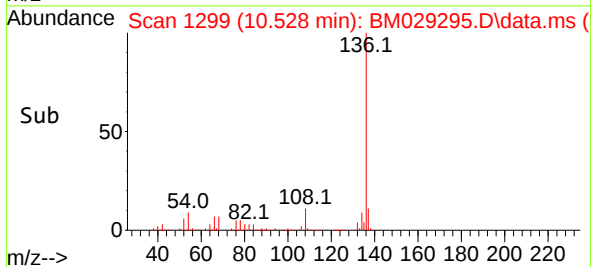
Tgt Ion: 94 Resp: 31957
Ion Ratio Lower Upper
94 100
65 36.7 13.0 53.0
66 48.4 24.1 64.1

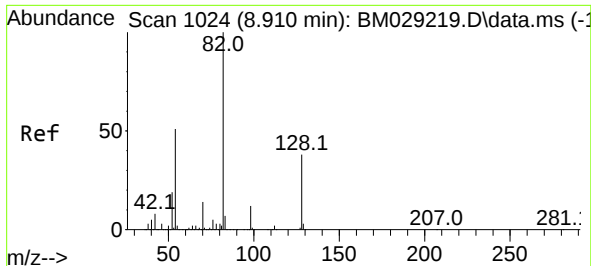


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.528 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



Tgt Ion: 136 Resp: 733942
Ion Ratio Lower Upper
136 100
137 10.9 9.3 13.9
54 8.7 6.9 10.3
68 7.1 5.4 8.0





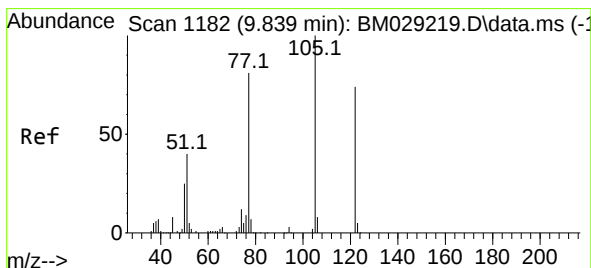
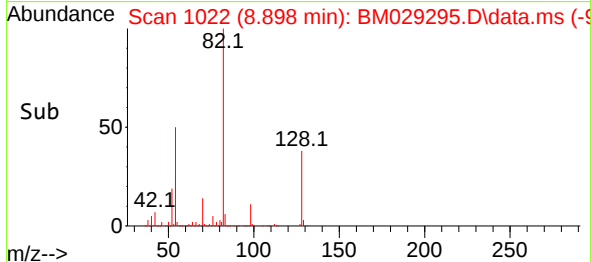
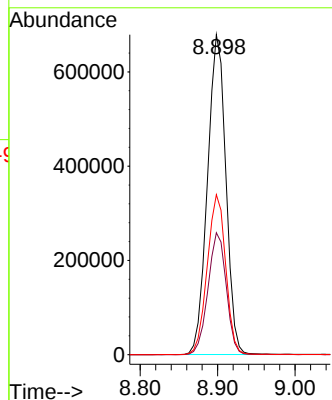
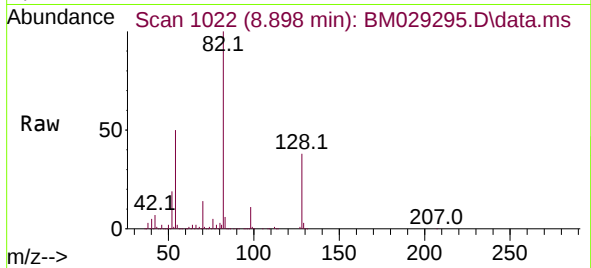
#23
Nitrobenzene-d5
Concen: 74.06 ng
RT: 8.898 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

Tgt Ion: 82 Resp: 1119601
Ion Ratio Lower Upper
82 100
128 38.1 28.6 42.8
54 50.0 40.7 61.1

Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)

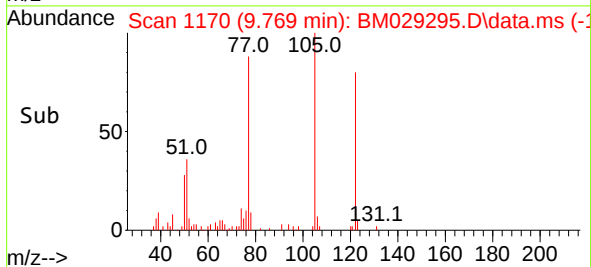
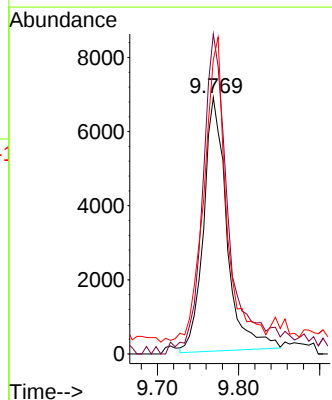
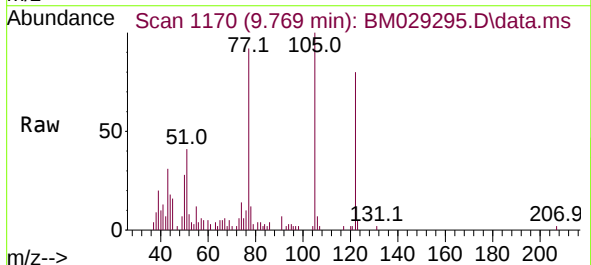
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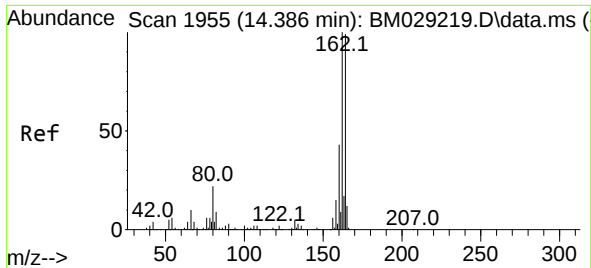
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#32
Benzoic acid
Concen: 6.37 ng
RT: 9.769 min Scan# 1170
Delta R.T. -0.059 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

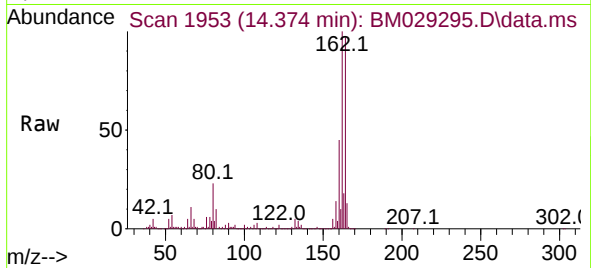
Tgt Ion:122 Resp: 13682
Ion Ratio Lower Upper
122 100
105 124.8 108.2 148.2
77 114.8 86.0 126.0





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.374 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

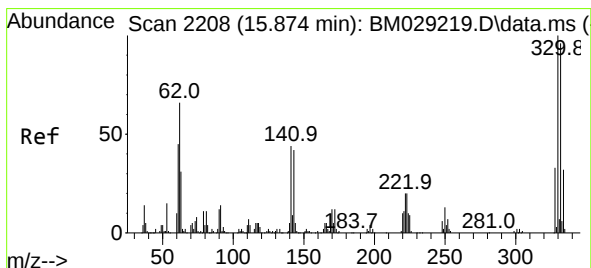
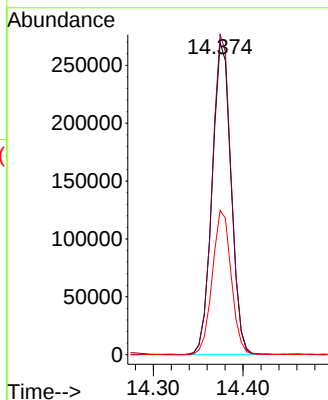
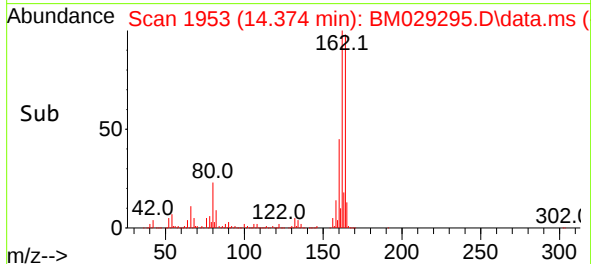
Instrument :
BNA_M
ClientSampled :
BG-3-(0.0-0.5)



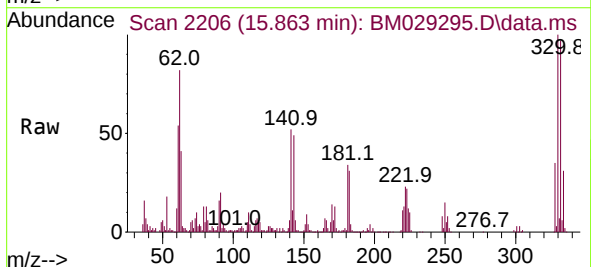
Tgt Ion:164 Resp: 393814
Ion Ratio Lower Upper
164 100
162 102.6 84.4 126.6
160 46.3 36.6 54.8

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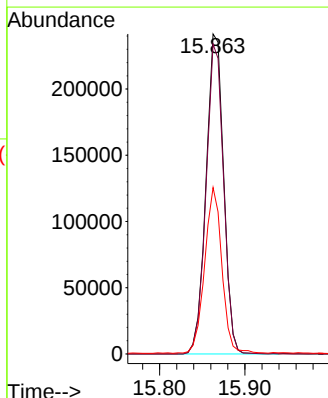
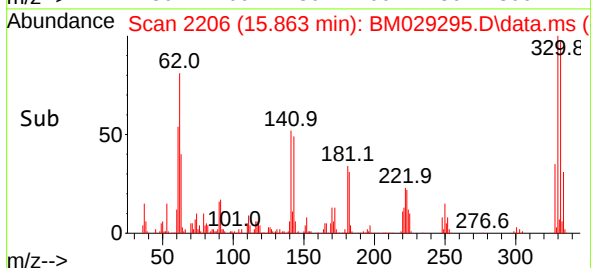
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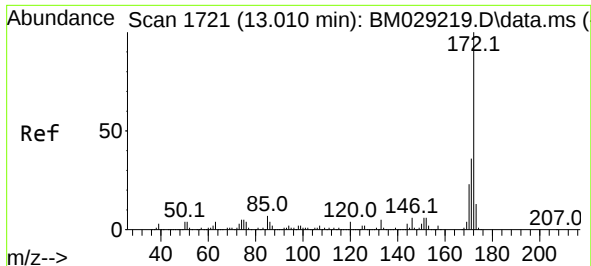


#42
2,4,6-Tribromophenol
Concen: 95.03 ng
RT: 15.863 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



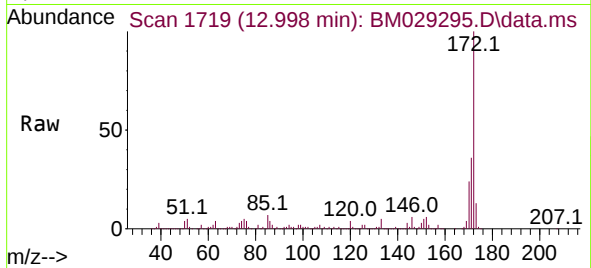
Tgt Ion:330 Resp: 346555
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 50.6 39.2 58.8





#45
2-Fluorobiphenyl
Concen: 67.32 ng
RT: 12.998 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

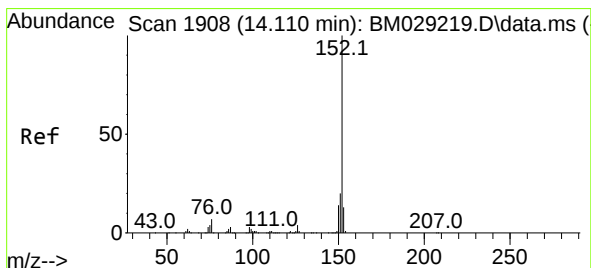
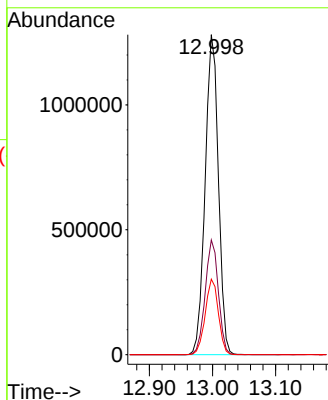
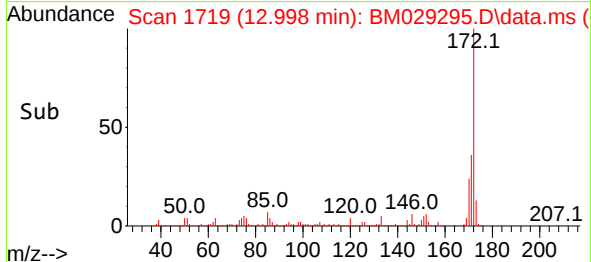
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BG-3-(0.0-0.5)



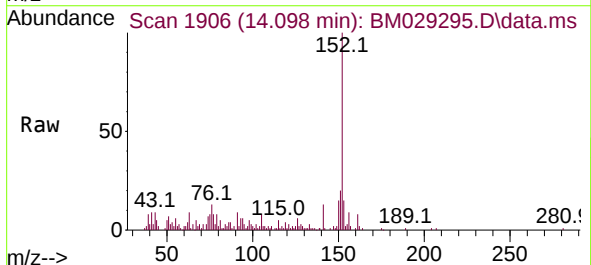
Tgt Ion:172 Resp: 1869005
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.6 18.8 28.2

Manual Integrations
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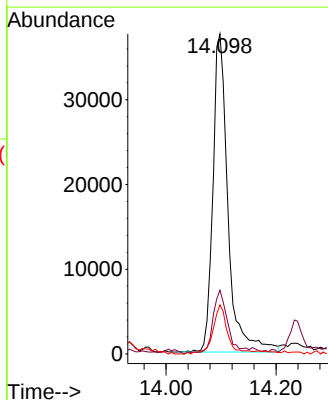
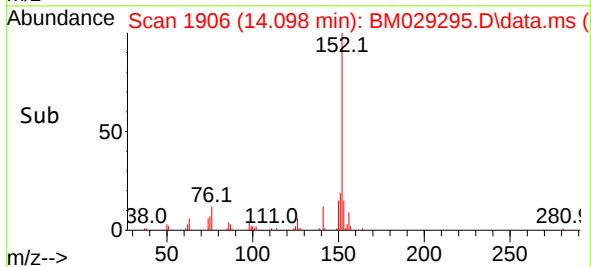
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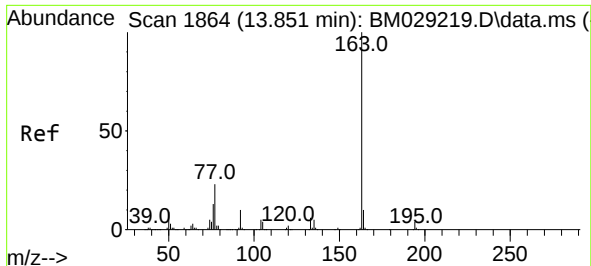


#49
Acenaphthylene
Concen: 2.00 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



Tgt Ion:152 Resp: 71738
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 15.3 10.2 15.2#





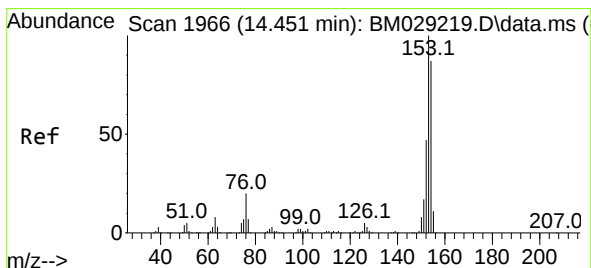
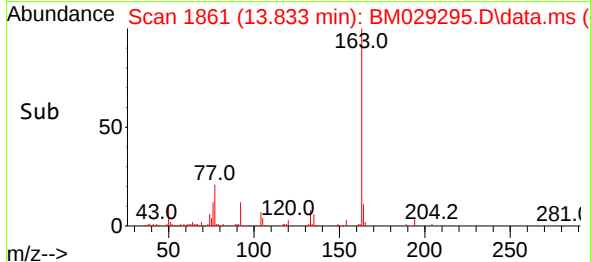
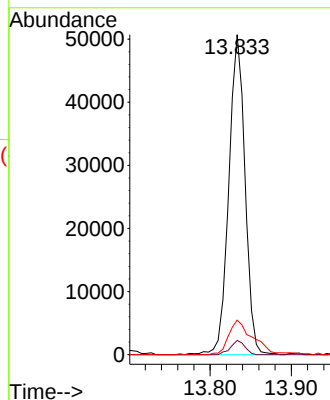
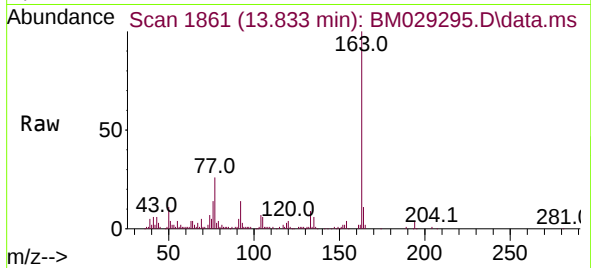
#50
Dimethylphthalate
Concen: 2.56 ng
RT: 13.833 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

Tgt Ion:163 Resp: 70395
Ion Ratio Lower Upper
163 100
194 4.4 3.2 4.8
164 10.8 7.9 11.9

Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)

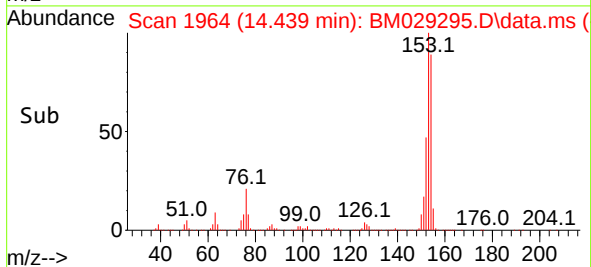
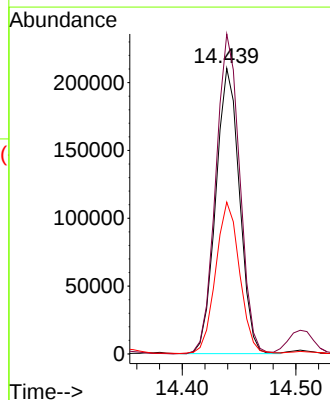
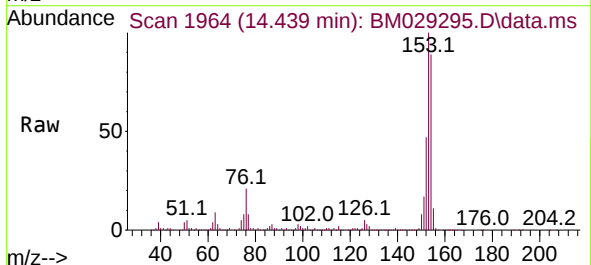
Manual Integrations
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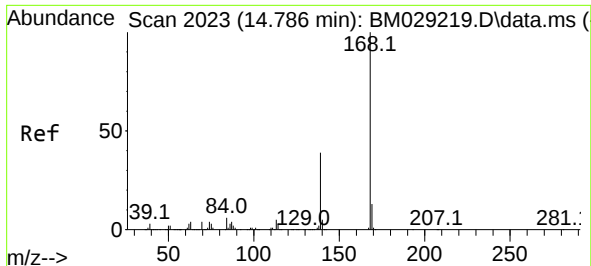
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#52
Acenaphthene
Concen: 13.42 ng
RT: 14.439 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

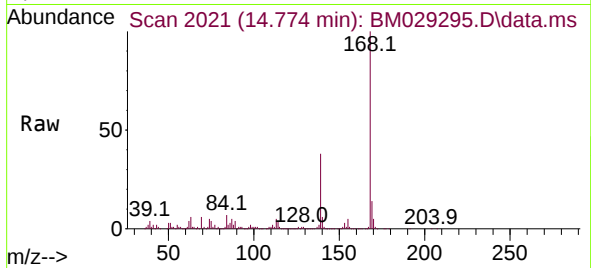
Tgt Ion:154 Resp: 305902
Ion Ratio Lower Upper
154 100
153 112.0 90.5 135.7
152 53.2 43.4 65.2





#55
Dibenzenofuran
Concen: 7.47 ng
RT: 14.774 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

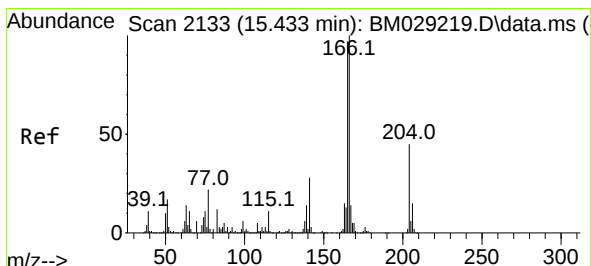
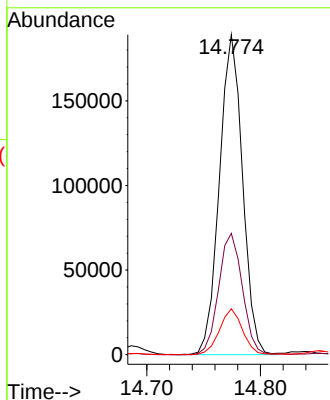
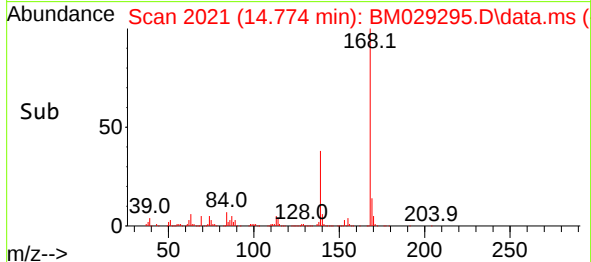
Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)



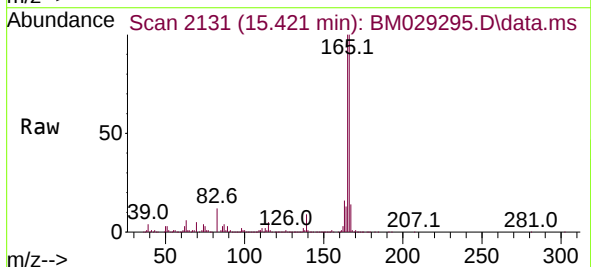
Tgt Ion:168 Resp: 267746
Ion Ratio Lower Upper
168 100
139 37.9 30.6 46.0
169 14.4 10.2 15.4

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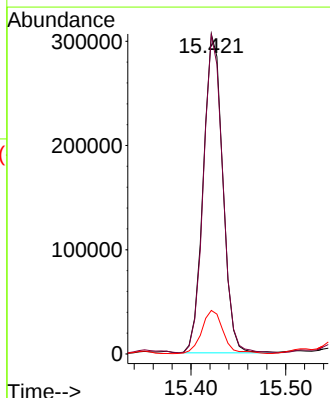
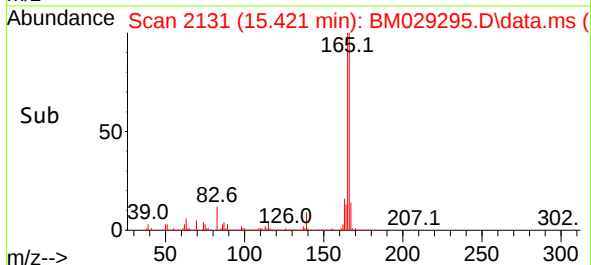
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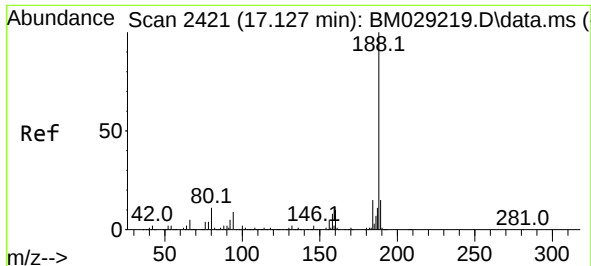


#58
Fluorene
Concen: 15.01 ng
RT: 15.421 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



Tgt Ion:166 Resp: 436343
Ion Ratio Lower Upper
166 100
165 99.8 79.6 119.4
167 13.6 11.0 16.6





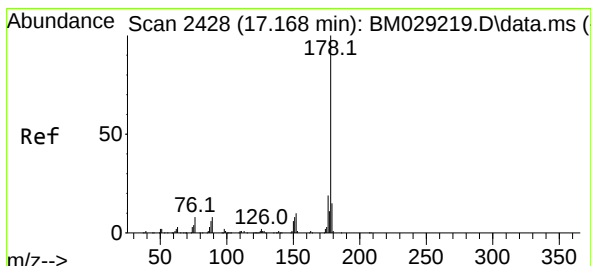
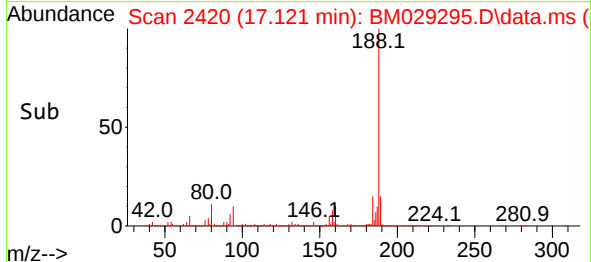
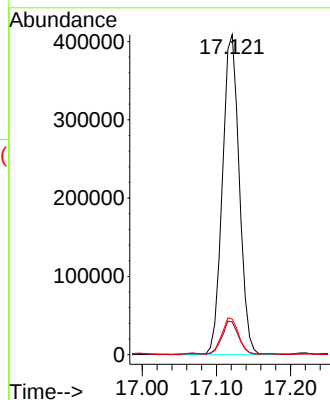
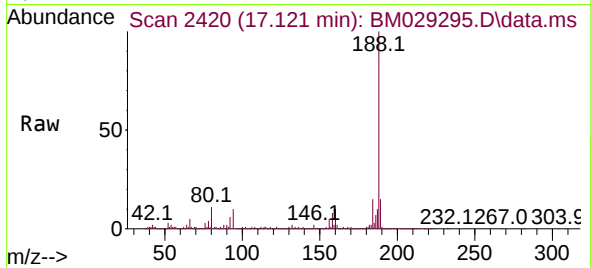
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.121 min Scan# 2420
Delta R.T. 0.006 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

Tgt Ion:188 Resp: 643269
Ion Ratio Lower Upper
188 100
94 10.2 8.1 12.1
80 11.1 9.2 13.8

Instrument :
BNA_M
ClientSampled :
BG-3-(0.0-0.5)

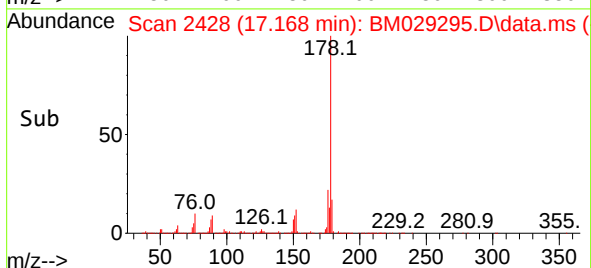
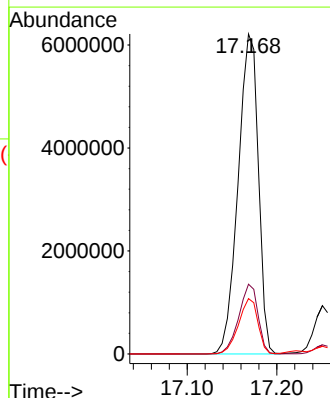
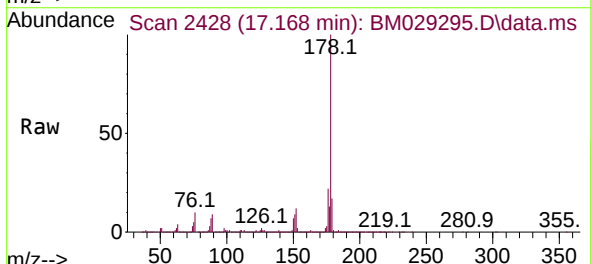
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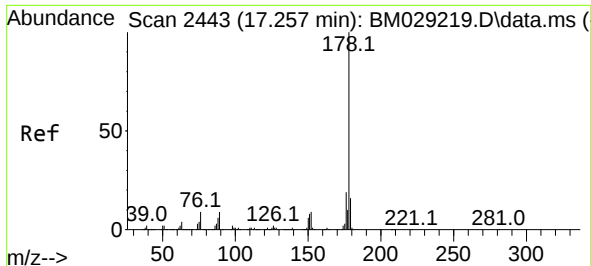
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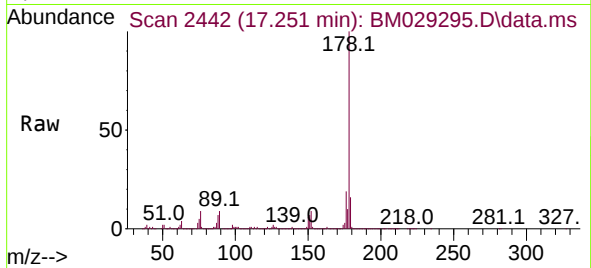
#71
Phenanthrene
Concen: 260.60 ng
RT: 17.168 min Scan# 2428
Delta R.T. 0.012 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

Tgt Ion:178 Resp: 9721287
Ion Ratio Lower Upper
178 100
176 21.8 15.7 23.5
179 17.3 11.9 17.9



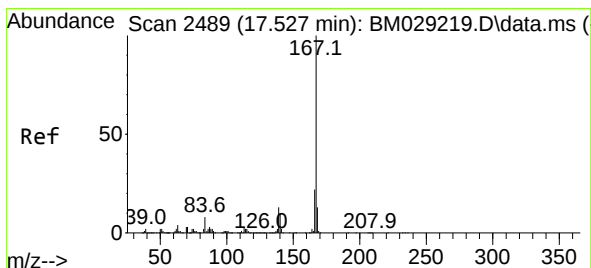
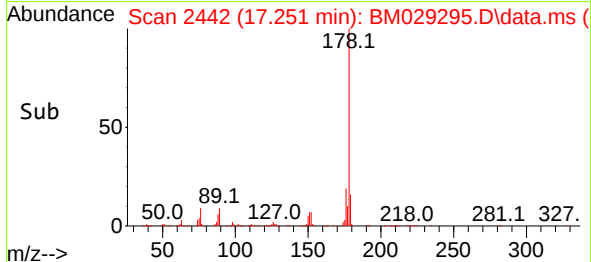
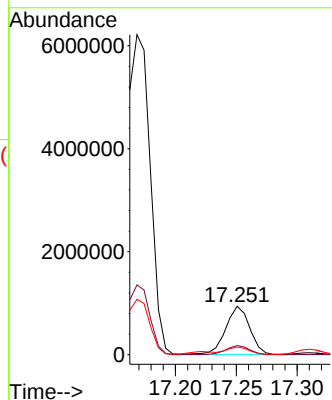


#72
 Anthracene
 Concen: 35.26 ng
 RT: 17.251 min Scan# 2442
 Delta R.T. 0.006 min
 Lab File: BM029295.D
 Acq: 31 Mar 2021 15:51

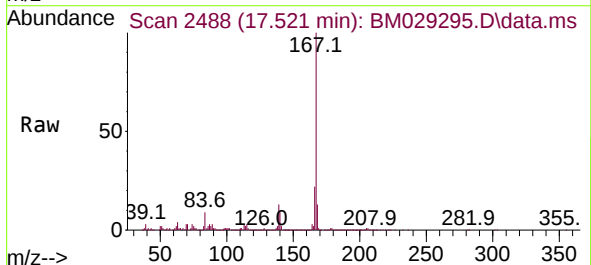


Tgt Ion:178 Resp: 1277883

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.9	12.1	18.1

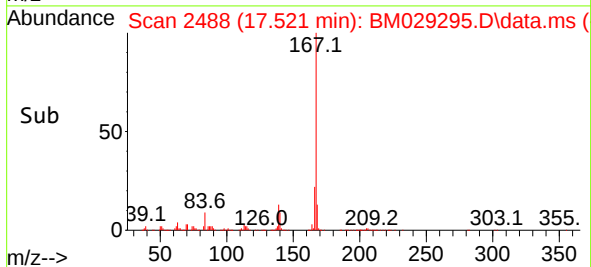
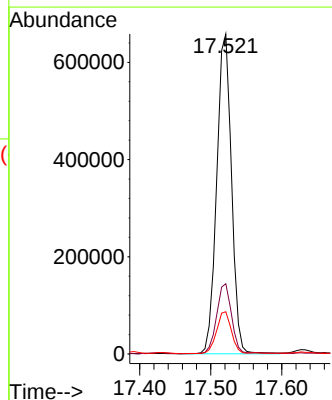


#73
 Carbazole
 Concen: 26.57 ng
 RT: 17.521 min Scan# 2488
 Delta R.T. 0.006 min
 Lab File: BM029295.D
 Acq: 31 Mar 2021 15:51



Tgt Ion:167 Resp: 947372

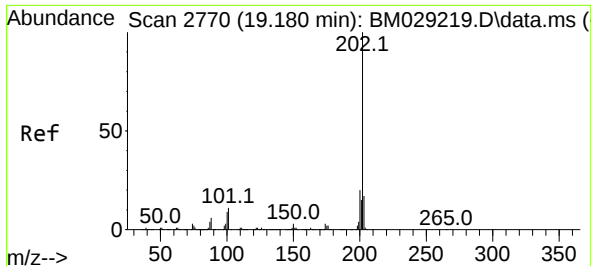
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.2	10.6	15.8



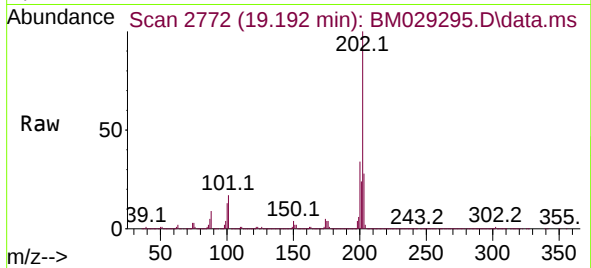
Instrument :
 BNA_M
 ClientSampleId :
 BG-3-(0.0-0.5)

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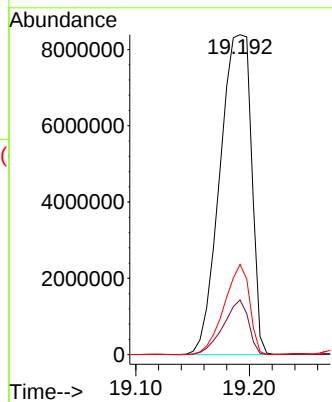
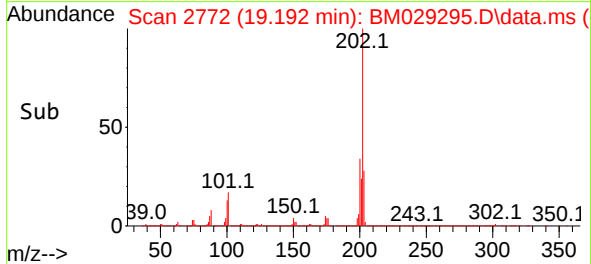
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#75
Fluoranthene
Concen: 392.46 ng
RT: 19.192 min Scan# 2772
Delta R.T. 0.023 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



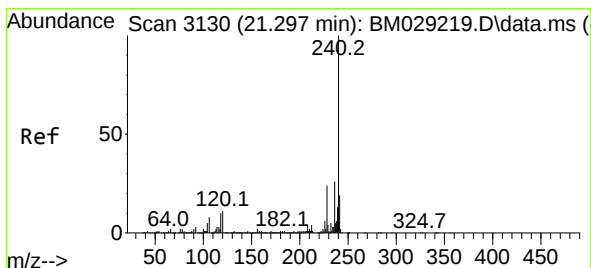
Tgt Ion:202 Resp:16173067
Ion Ratio Lower Upper
202 100
101 17.1 0.0 31.5
203 28.2 0.0 37.7



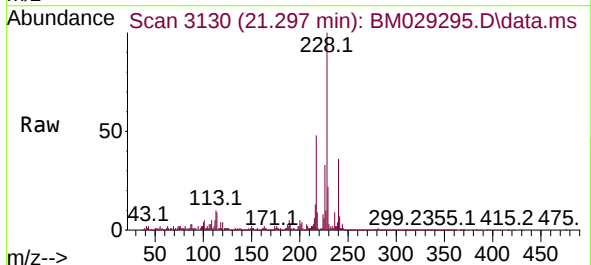
Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)

Manual Integrations
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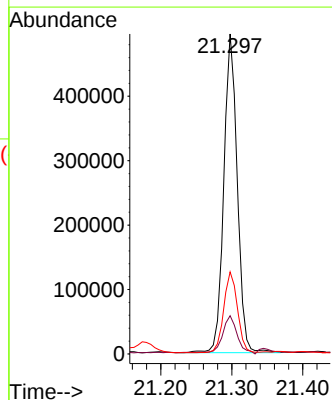
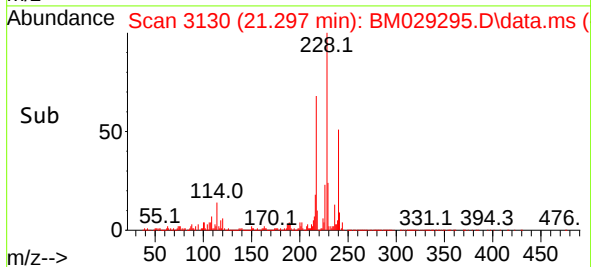
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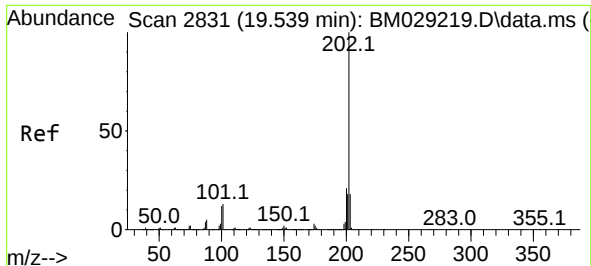


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.297 min Scan# 3130
Delta R.T. 0.012 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



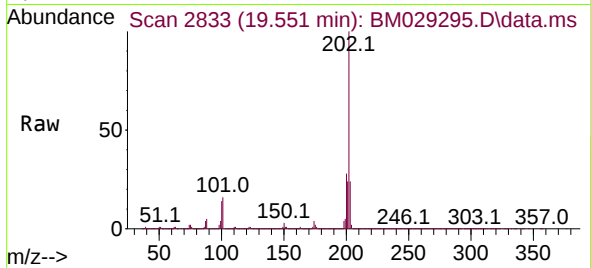
Tgt Ion:240 Resp: 649075
Ion Ratio Lower Upper
240 100
120 11.9 9.0 13.6
236 25.7 20.3 30.5





#78
Pyrene
Concen: 312.13 ng
RT: 19.551 min Scan# 2833
Delta R.T. 0.017 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

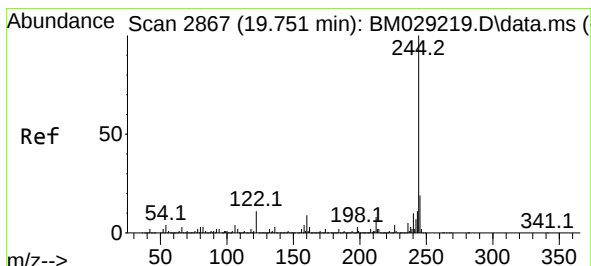
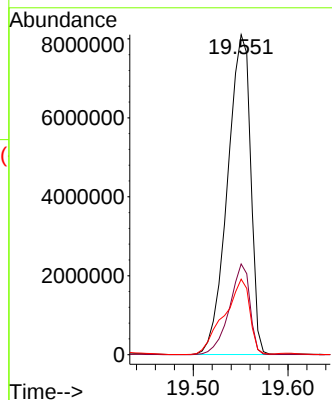
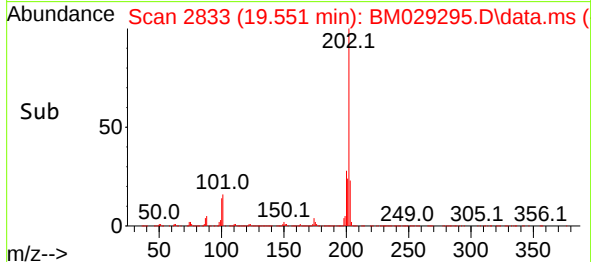
Instrument :
BNA_M
ClientSampled :
BG-3-(0.0-0.5)



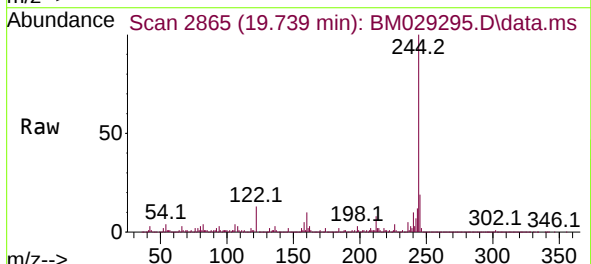
Tgt Ion:202 Resp:13716174
Ion Ratio Lower Upper
202 100
200 28.4 17.0 25.6#
203 23.6 14.1 21.1#

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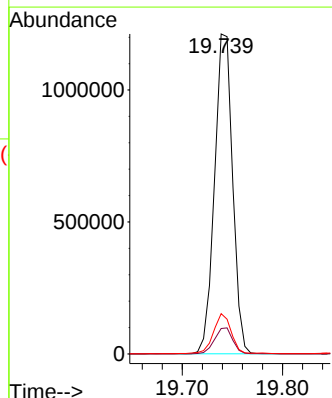
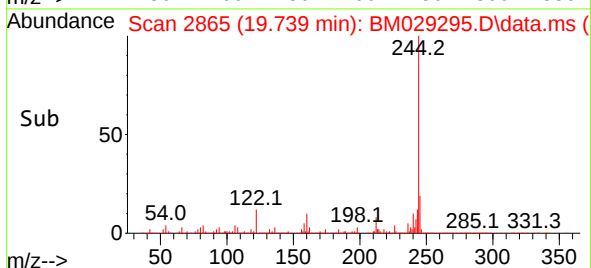
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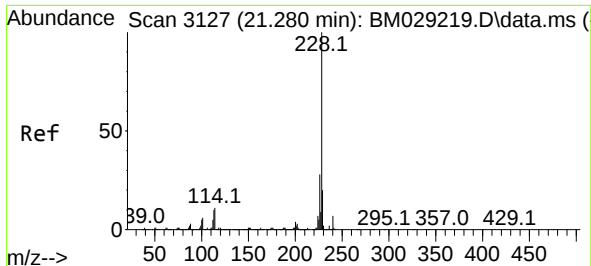


#79
Terphenyl-d14
Concen: 47.02 ng
RT: 19.739 min Scan# 2865
Delta R.T. -0.000 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



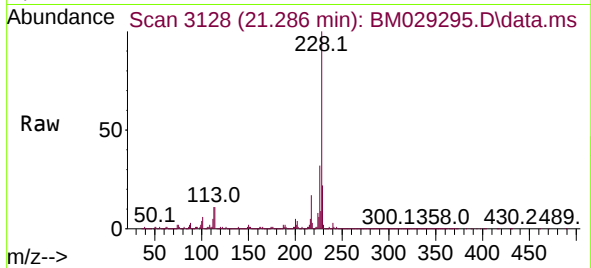
Tgt Ion:244 Resp: 1519065
Ion Ratio Lower Upper
244 100
212 8.0 6.5 9.7
122 12.6 9.2 13.8





#81
Benzo(a)anthracene
Concen: 160.26 ng
RT: 21.286 min Scan# 3128
Delta R.T. 0.017 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

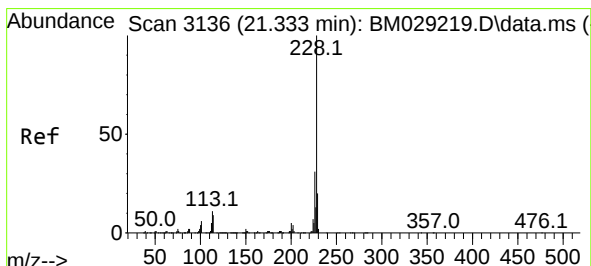
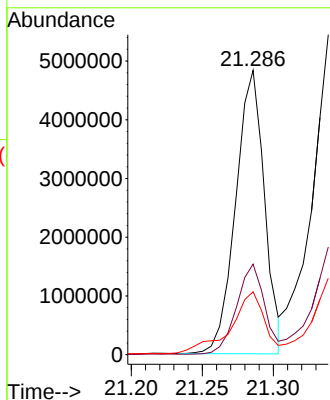
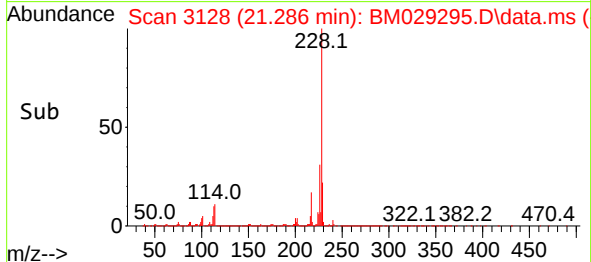
Instrument :
BNA_M
ClientSampled :
BG-3-(0.0-0.5)



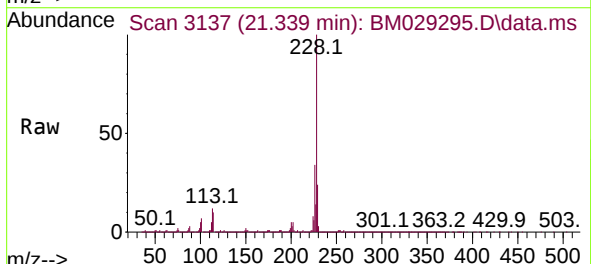
Tgt Ion:228 Resp: 6788995
Ion Ratio Lower Upper
228 100
226 31.9 21.9 32.9
229 22.1 15.7 23.5

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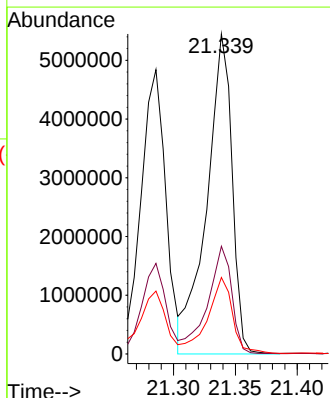
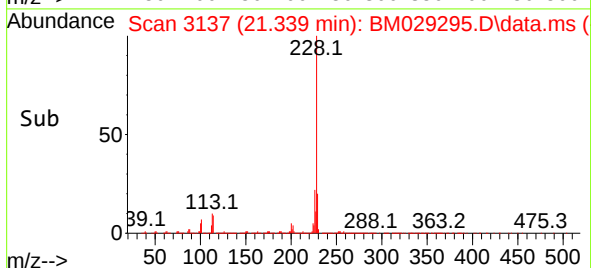
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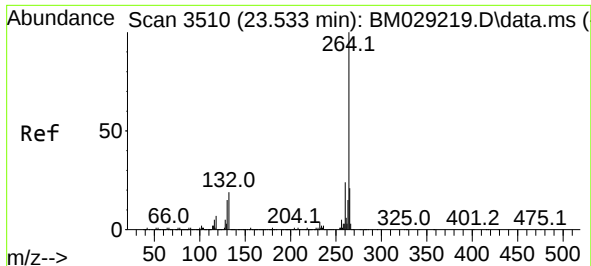


#83
Chrysene
Concen: 182.90 ng m
RT: 21.339 min Scan# 3137
Delta R.T. 0.017 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



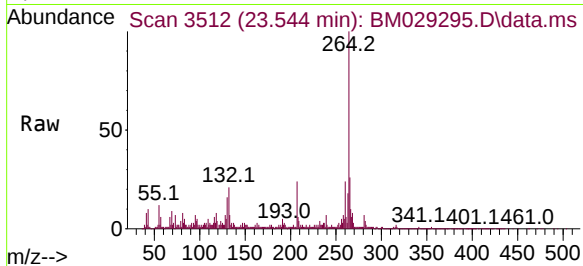
Tgt Ion:228 Resp: 7752031
Ion Ratio Lower Upper
228 100
226 33.7 24.7 37.1
229 23.9 15.8 23.6#





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.544 min Scan# 3512
Delta R.T. 0.023 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

Instrument :
BNA_M
ClientSampled :
BG-3-(0.0-0.5)

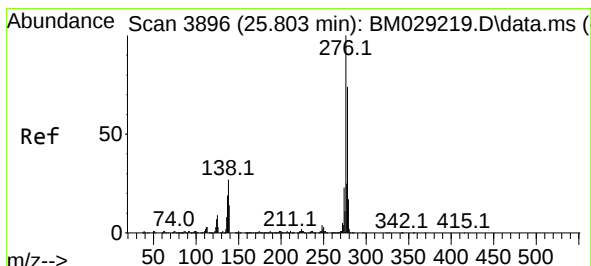
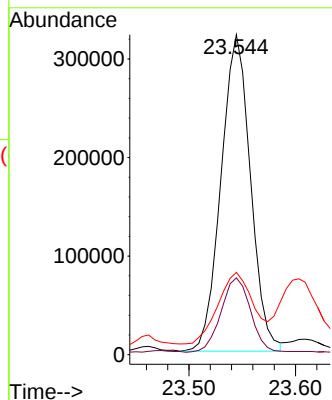
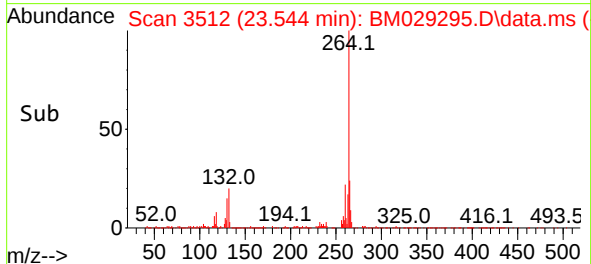


Tgt Ion:264 Resp: 616718

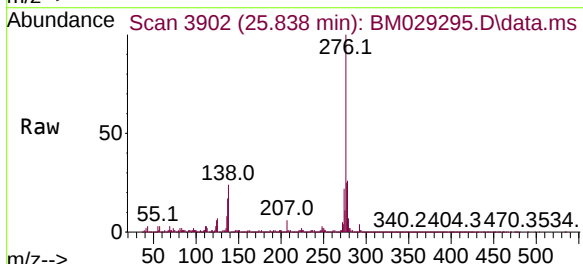
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	25.7	17.8	26.8

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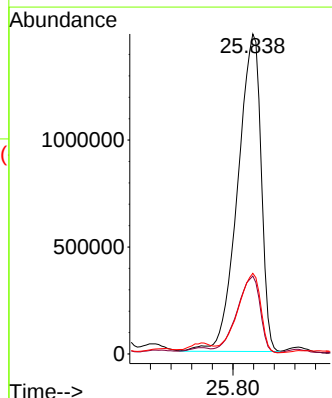
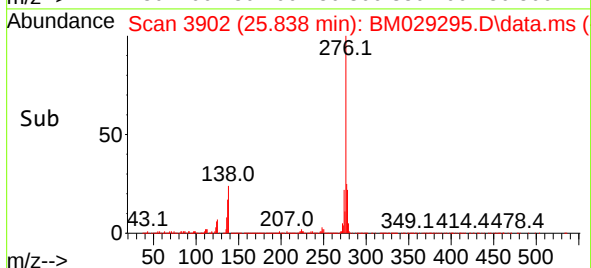


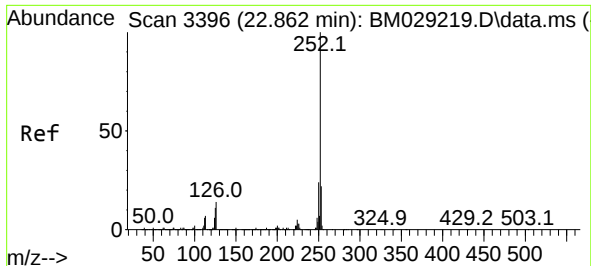
#87
Indeno(1,2,3-cd)pyrene
Concen: 103.05 ng
RT: 25.838 min Scan# 3902
Delta R.T. 0.059 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



Tgt Ion:276 Resp: 4648255

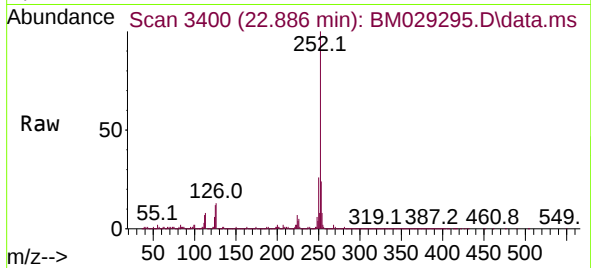
Ion	Ratio	Lower	Upper
276	100		
138	24.0	22.6	34.0
277	24.6	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 261.00 ng
RT: 22.886 min Scan# 3400
Delta R.T. 0.041 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

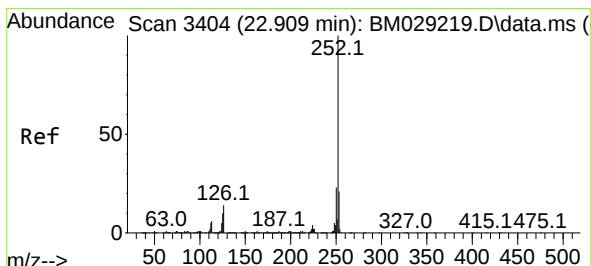
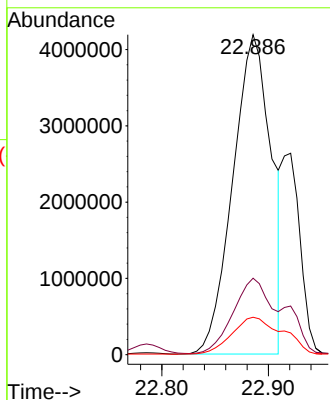
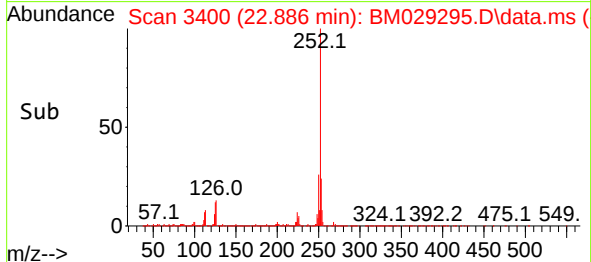
Instrument :
BNA_M
ClientSampled :
BG-3-(0.0-0.5)



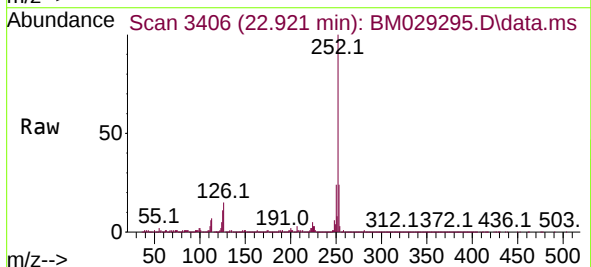
Tgt Ion:252 Resp:10471488
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 11.7 9.0 13.4

Manual Integrations
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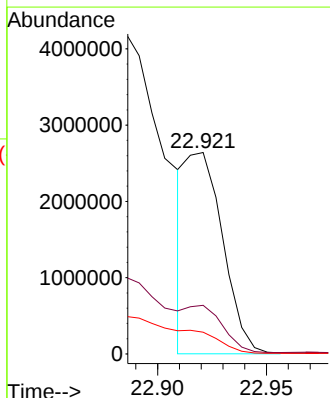
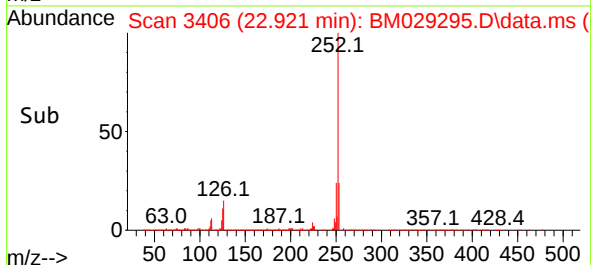
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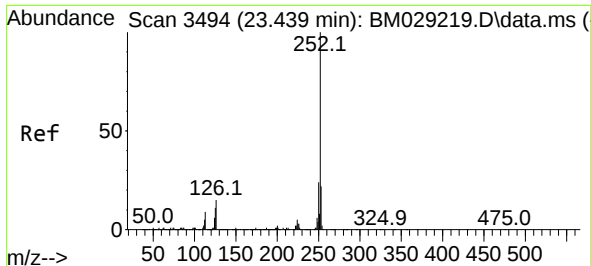


#89
Benzo(k)fluoranthene
Concen: 79.64 ng m
RT: 22.921 min Scan# 3406
Delta R.T. 0.029 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51



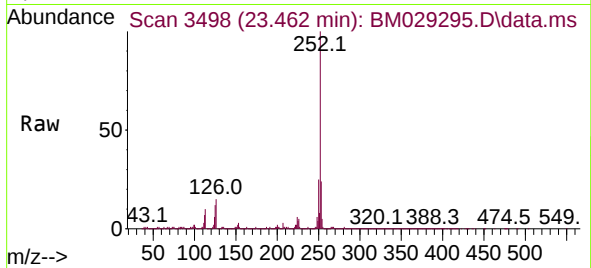
Tgt Ion:252 Resp: 3104531
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 10.8 8.7 13.1





#90
Benzo(a)pyrene
Concen: 182.40 ng
RT: 23.462 min Scan# 3498
Delta R.T. 0.041 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

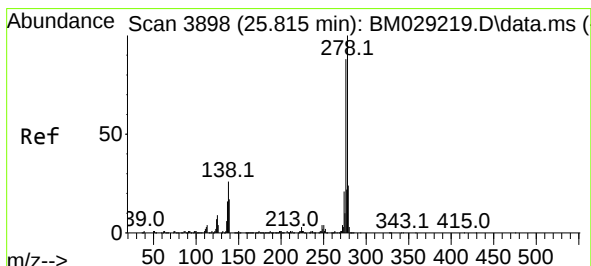
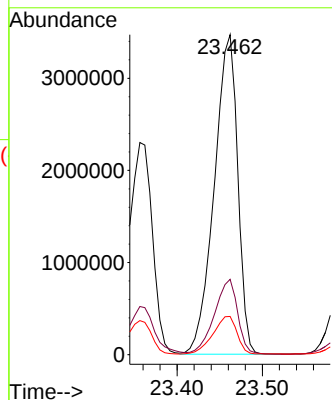
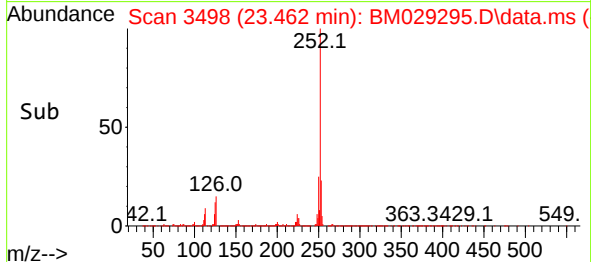
Instrument :
BNA_M
ClientSampled :
BG-3-(0.0-0.5)



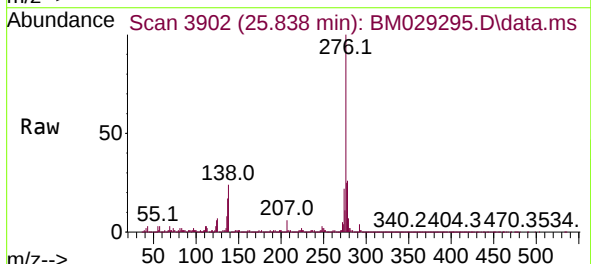
Tgt Ion:252 Resp: 6629036
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.4
125 11.9 9.5 14.3

Manual Integrations
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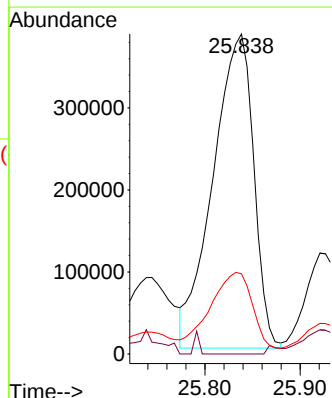
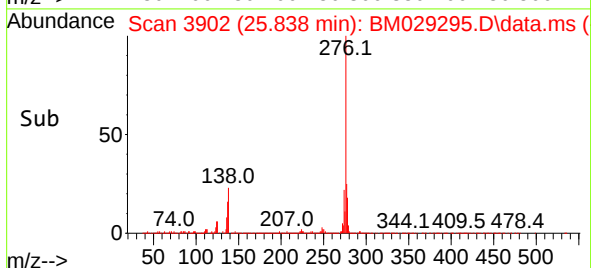
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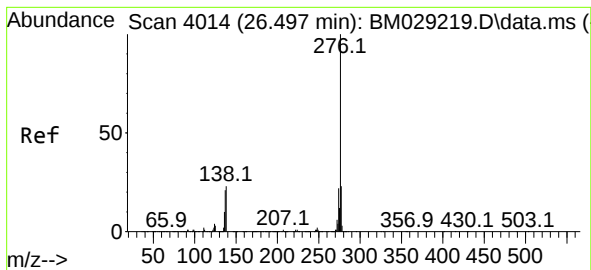


#91
Dibenzo(a,h)anthracene
Concen: 29.48 ng m
RT: 25.838 min Scan# 3902
Delta R.T. 0.047 min
Lab File: BM029295.D
Acq: 31 Mar 2021 15:51

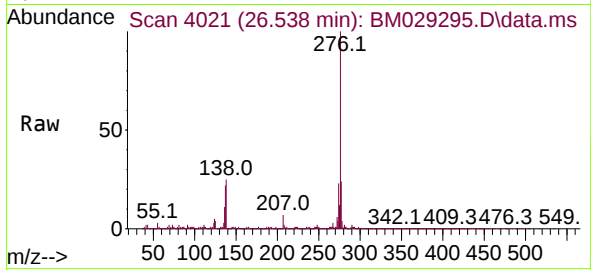


Tgt Ion:278 Resp: 1138298
Ion Ratio Lower Upper
278 100
139 0.0 14.8 22.2#
279 25.0 19.3 28.9



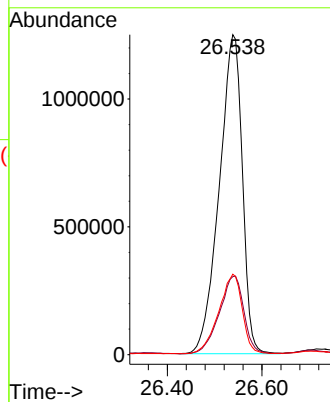
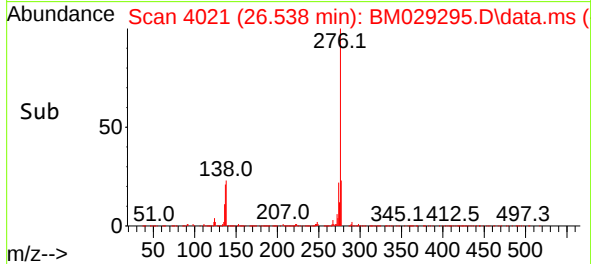


#92
 Benzo(g,h,i)perylene
 Concen: 111.30 ng
 RT: 26.538 min Scan# 4021
 Delta R.T. 0.064 min
 Lab File: BM029295.D
 Acq: 31 Mar 2021 15:51



Tgt Ion: 276 Resp: 4210478

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.7	28.1
138	25.1	19.0	28.4



Instrument :
 BNA_M
 ClientSampleId :
 BG-3-(0.0-0.5)

Manual Integrations
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