

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072921\
 Data File : BM031294.D
 Acq On : 31 Jul 2021 03:29
 Operator : CG/JU
 Sample : M3091-07
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0045

Manual Integrations
 APPROVED

mohammad
 8/2/2021 3:40:43 PM

Quant Time: Jul 31 05:59:56 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 31 05:54:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	1355	0.400	ng/ul	0.00
4) Naphthalene-d8	10.370	136	4974	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.239	164	3046	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.988	188	5946	0.400	ng/ul	0.00
17) Chrysene-d12	21.176	240	4978	0.400	ng/ul	0.00
23) Perylene-d12	23.338	264	5230	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	3595	2.389	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.966	152	1257	0.150	ng/ul	0.00
18) Fluoranthene-d10	19.016	212	2853	0.172	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.419	128	1810	0.122	ng/ul#	92
7) 2-Methylnaphthalene	12.038	142	1978	0.195	ng/ul	99
8) 1-Methylnaphthalene	12.263	142	1148	0.115	ng/ul	99
10) Acenaphthylene	13.959	152	733	0.057	ng/ul#	81
15) Phenanthrene	17.027	178	4501	0.238	ng/ul	99
16) Anthracene	17.117	178	874	0.049	ng/ul#	81
19) Fluoranthene	19.046	202	6434	0.303	ng/ul#	96
20) Pyrene	19.409	202	6089	0.282	ng/ul#	94
21) Benzo(a)anthracene	21.159	228	3637	0.181	ng/ul#	91
22) Chrysene	21.209	228	4815m	0.232	ng/ul	
24) Benzo(b)fluoranthene	22.699	252	5633m	0.239	ng/ul	
25) Benzo(k)fluoranthene	22.733	252	2031m	0.083	ng/ul	
26) Benzo(a)pyrene	23.244	252	3116	0.151	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	25.480	276	2258	0.085	ng/ul#	86
28) Dibenzo(a,h)anthracene	25.485	278	711m	0.033	ng/ul	
29) Benzo(g,h,i)perylene	26.137	276	1933	0.085	ng/ul#	82

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

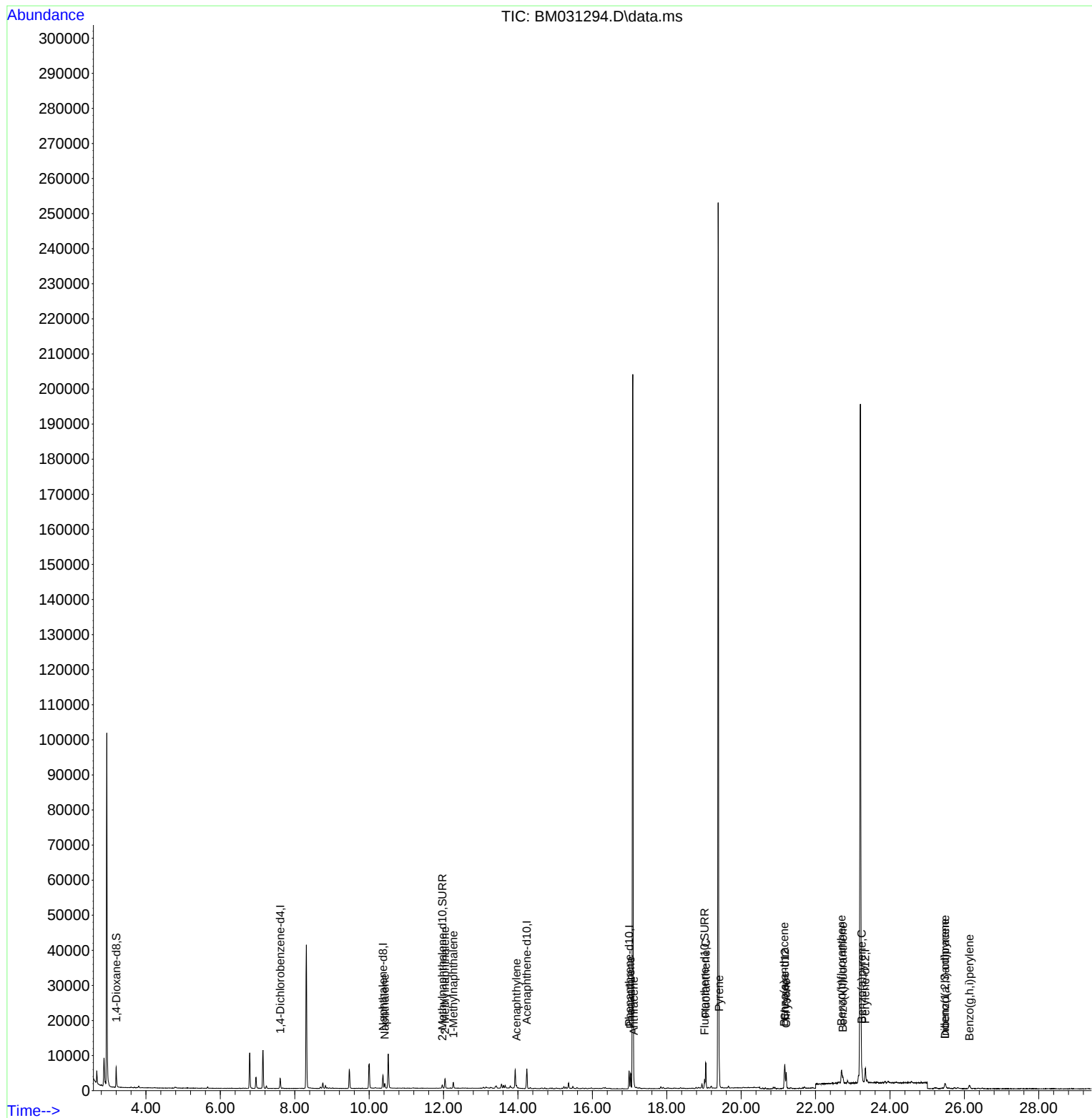
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072921\
Data File : BM031294.D
Acq On : 31 Jul 2021 03:29
Operator : CG/JU
Sample : M3091-07
Misc :
ALS Vial : 59 Sample Multiplier: 1

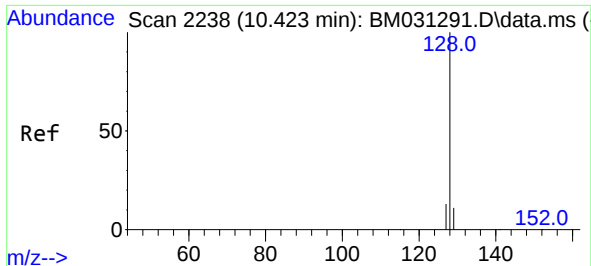
Instrument :
BNA_M
ClientSampleId :
C0045

Manual Integrations
APPROVED

mohammad
8/2/2021 3:40:43 PM

Quant Time: Jul 31 05:59:56 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 31 05:54:32 2021
Response via : Initial Calibration





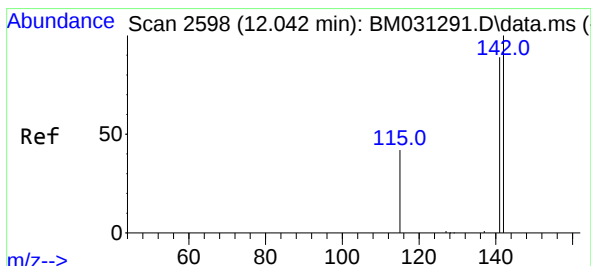
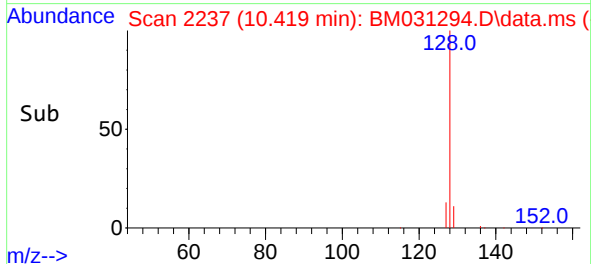
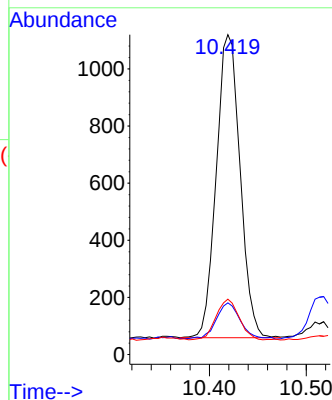
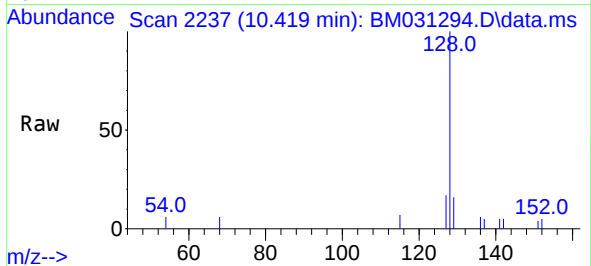
#5
Naphthalene
Concen: 0.122 ng/ul
RT: 10.419 min Scan# 2237
Delta R.T. -0.004 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:128 Resp: 1810
Ion Ratio Lower Upper
128 100
129 16.2 10.0 15.0#
127 17.3 11.6 17.4

Instrument :
BNA_M
ClientSampled :
C0045

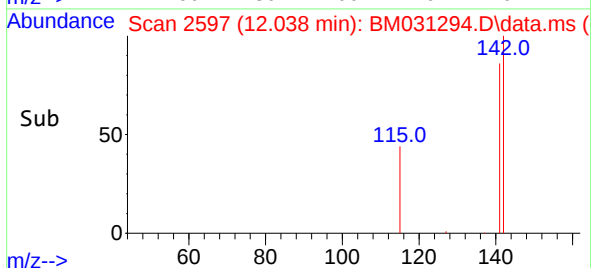
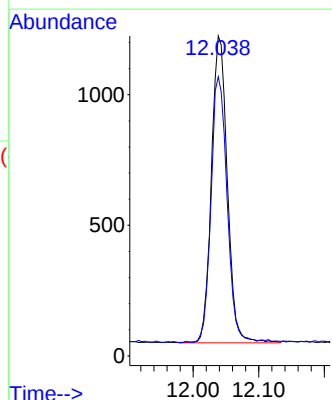
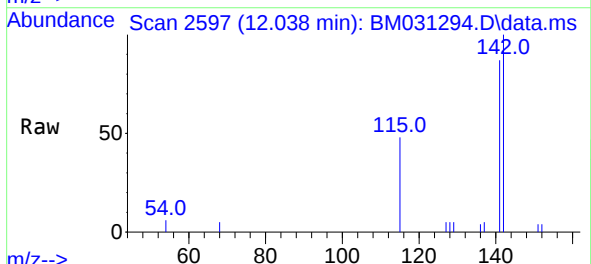
Manual Integrations
APPROVED

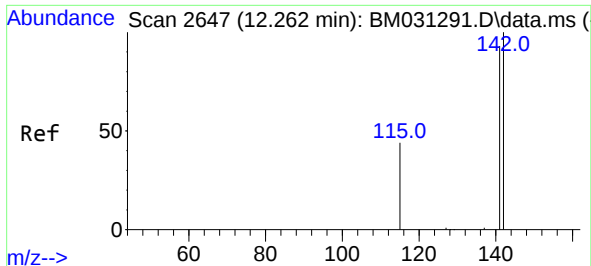
mohammad
8/2/2021 3:40:43 PM



#7
2-Methylnaphthalene
Concen: 0.195 ng/ul
RT: 12.038 min Scan# 2597
Delta R.T. -0.004 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:142 Resp: 1978
Ion Ratio Lower Upper
142 100
141 88.0 71.4 107.0





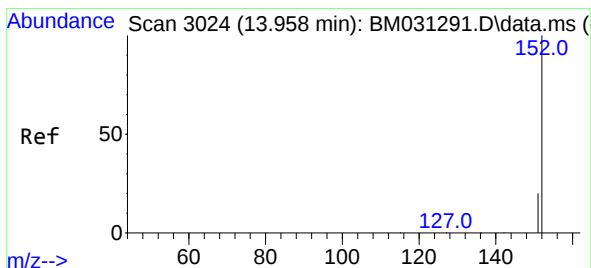
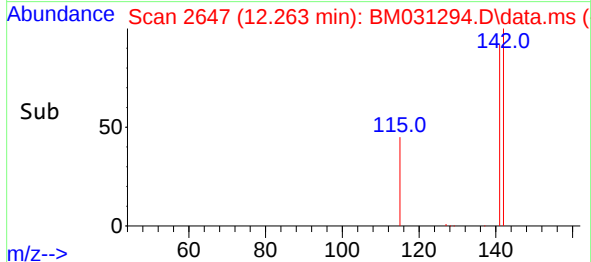
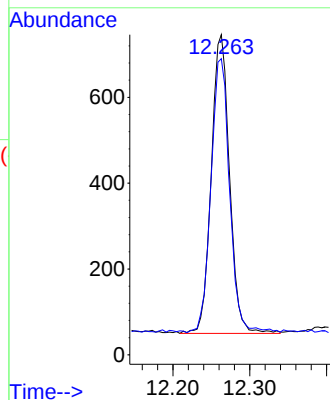
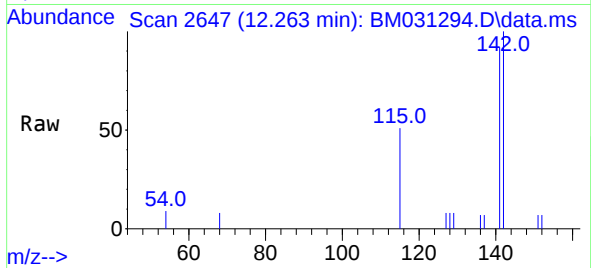
#8
1-Methylnaphthalene
Concen: 0.115 ng/ul
RT: 12.263 min Scan# 2647
Delta R.T. -0.004 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:142 Resp: 1148
Ion Ratio Lower Upper
142 100
141 93.6 74.1 111.1

Instrument :
BNA_M
ClientSampled :
C0045

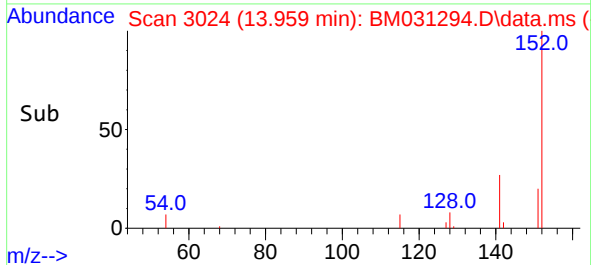
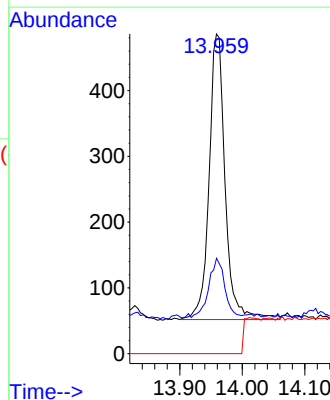
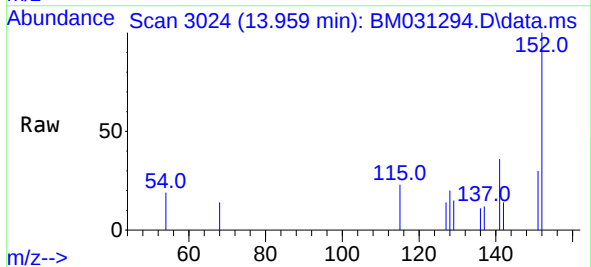
Manual Integrations
APPROVED

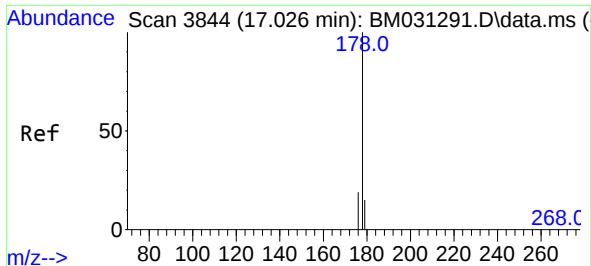
mohammad
8/2/2021 3:40:43 PM



#10
Acenaphthylene
Concen: 0.057 ng/ul
RT: 13.959 min Scan# 3024
Delta R.T. -0.004 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

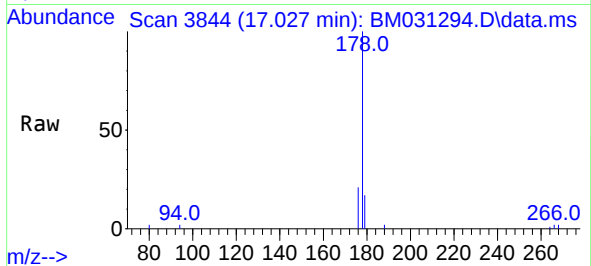
Tgt Ion:152 Resp: 733
Ion Ratio Lower Upper
152 100
151 29.8 16.9 25.3#
153 0.0 0.0 0.0





#15
Phenanthrene
Concen: 0.238 ng/ul
RT: 17.027 min Scan# 3844
Delta R.T. -0.003 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

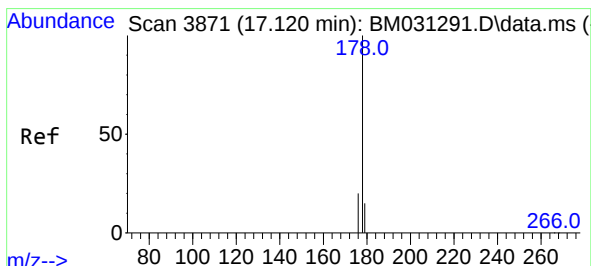
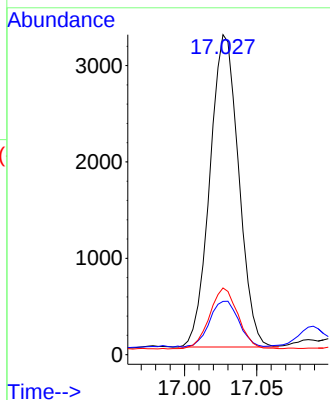
Instrument :
BNA_M
ClientSampled :
C0045



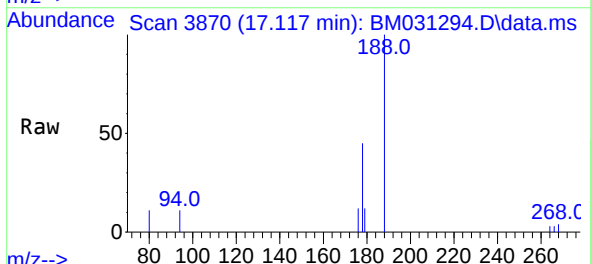
Tgt Ion:178 Resp: 4501
Ion Ratio Lower Upper
178 100
179 16.6 13.3 19.9
176 20.9 16.2 24.4

Manual Integrations
APPROVED

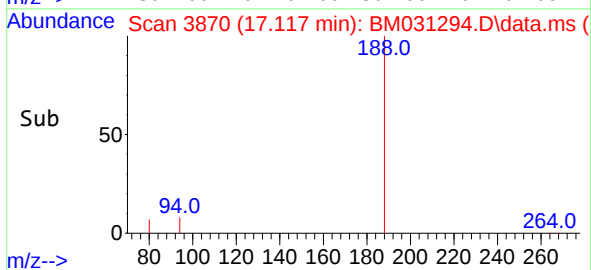
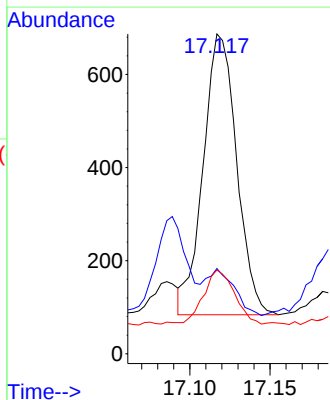
mohammad
8/2/2021 3:40:43 PM

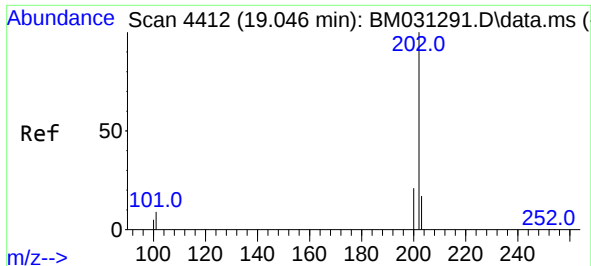


#16
Anthracene
Concen: 0.049 ng/ul
RT: 17.117 min Scan# 3870
Delta R.T. -0.003 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29



Tgt Ion:178 Resp: 874
Ion Ratio Lower Upper
178 100
179 26.6 13.0 19.6#
176 26.2 15.6 23.4#





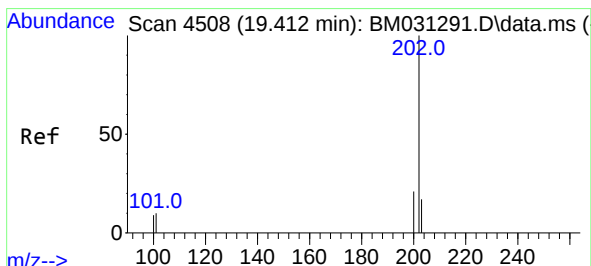
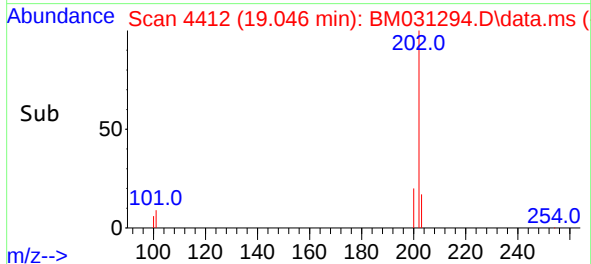
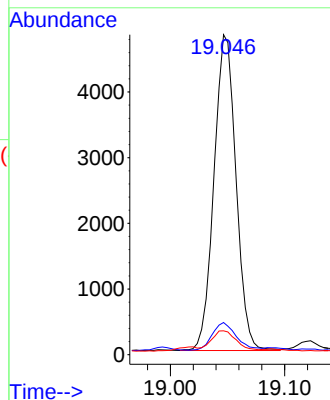
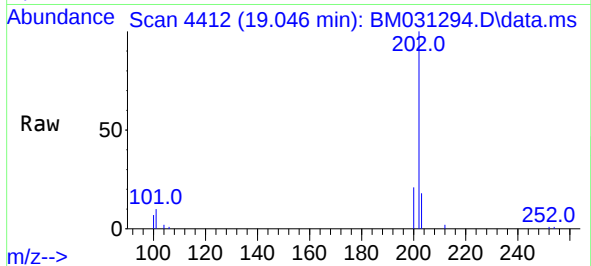
#19
Fluoranthene
Concen: 0.303 ng/u1
RT: 19.046 min Scan# 4412
Delta R.T. -0.004 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:202 Resp: 6434
Ion Ratio Lower Upper
202 100
101 10.1 6.6 10.0#
100 7.4 5.4 8.0

Instrument :
BNA_M
ClientSampleId :
C0045

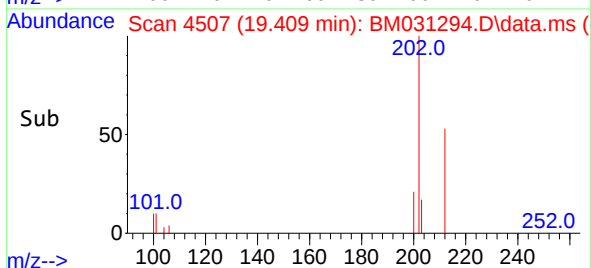
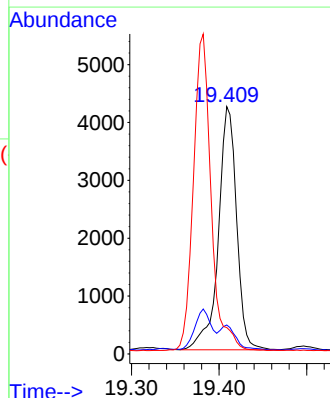
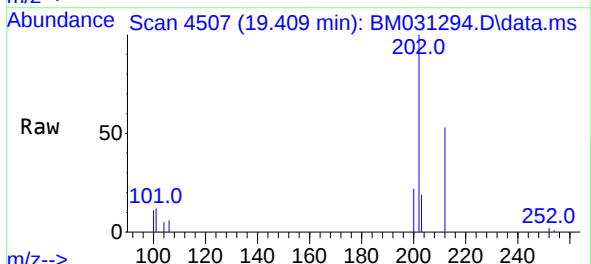
Manual Integrations
APPROVED

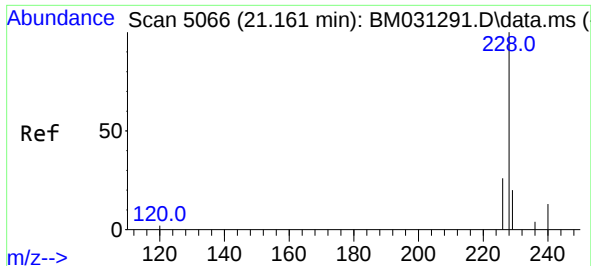
mohammad
8/2/2021 3:40:43 PM



#20
Pyrene
Concen: 0.282 ng/u1
RT: 19.409 min Scan# 4507
Delta R.T. -0.004 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:202 Resp: 6089
Ion Ratio Lower Upper
202 100
101 11.7 7.8 11.6#
100 10.7 6.6 10.0#





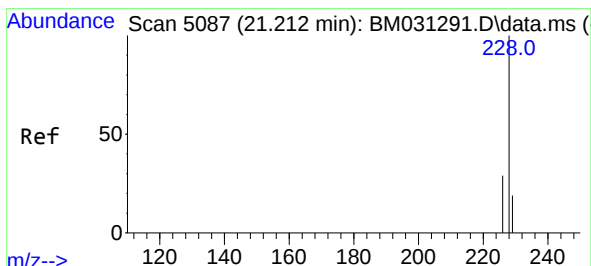
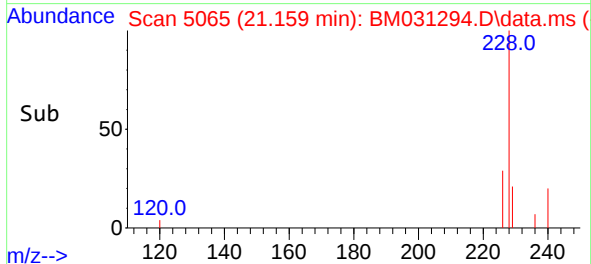
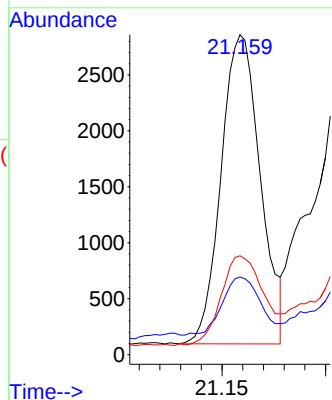
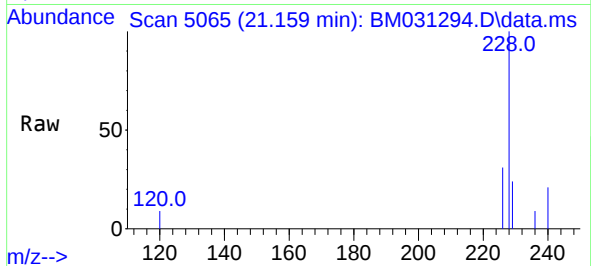
#21
Benzo(a)anthracene
Concen: 0.181 ng/ul
RT: 21.159 min Scan# 5065
Delta R.T. -0.002 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:228 Resp: 3637
Ion Ratio Lower Upper
228 100
229 24.2 15.6 23.4#
226 30.9 21.7 32.5

Instrument :
BNA_M
ClientSampled :
C0045

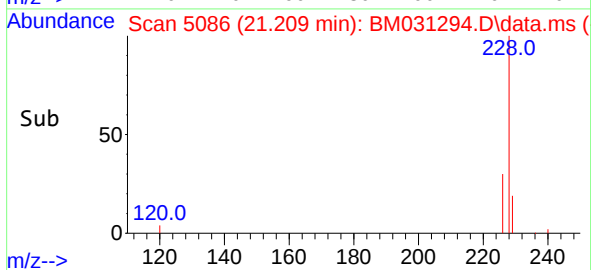
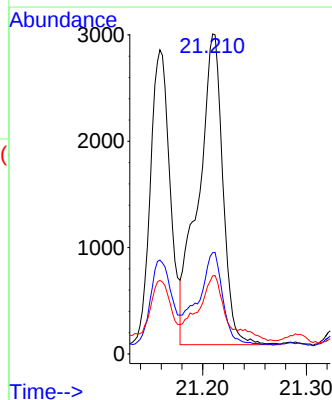
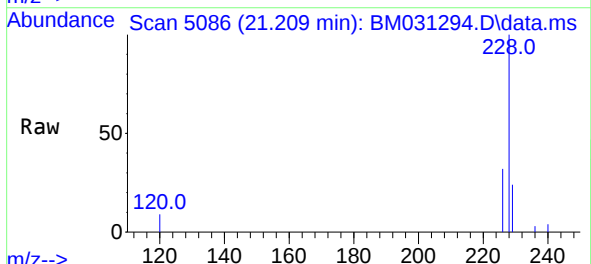
Manual Integrations
APPROVED

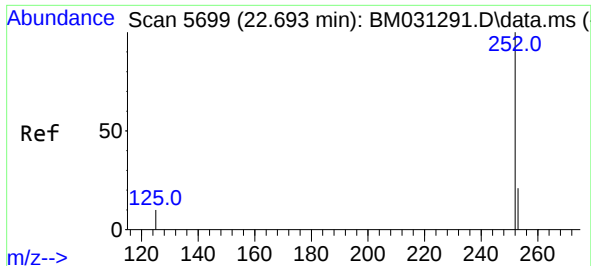
mohammad
8/2/2021 3:40:43 PM



#22
Chrysene
Concen: 0.232 ng/ul m
RT: 21.209 min Scan# 5086
Delta R.T. -0.005 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:228 Resp: 4815
Ion Ratio Lower Upper
228 100
226 31.6 24.7 37.1
229 24.4 16.2 24.2#





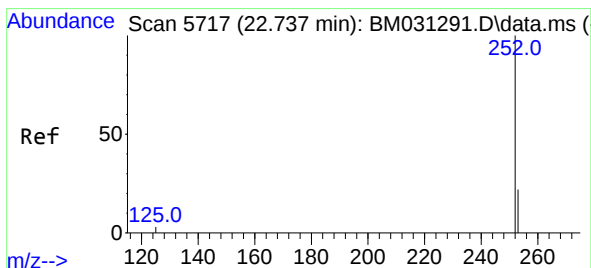
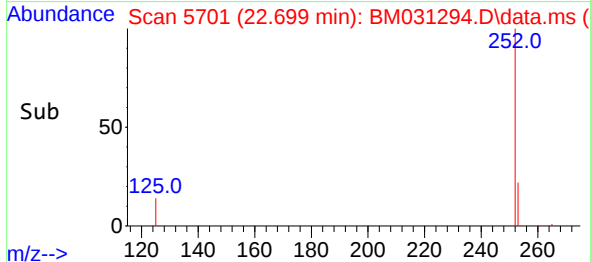
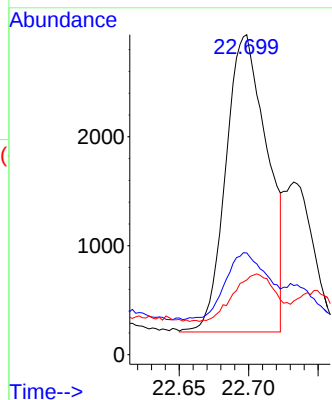
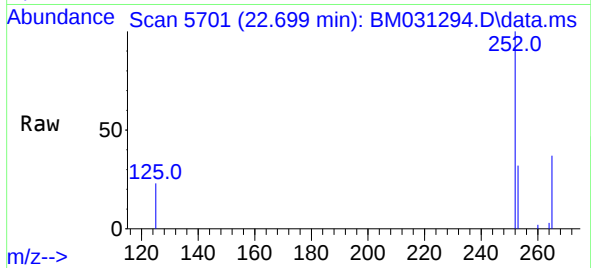
#24
Benzo(b)fluoranthene
Concen: 0.239 ng/ul m
RT: 22.699 min Scan# 5701
Delta R.T. 0.000 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:252 Resp: 5633
Ion Ratio Lower Upper
252 100
253 31.8 0.0 53.0
125 23.4 0.0 22.8#

Instrument :
BNA_M
ClientSampled :
C0045

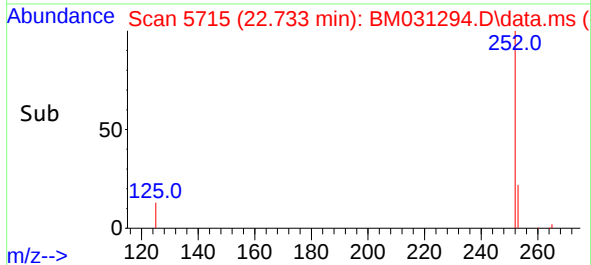
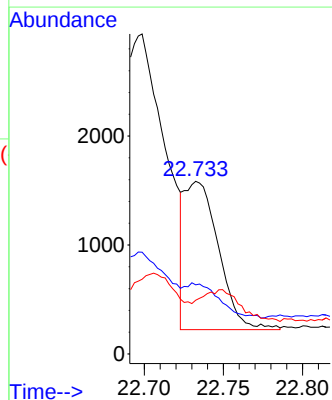
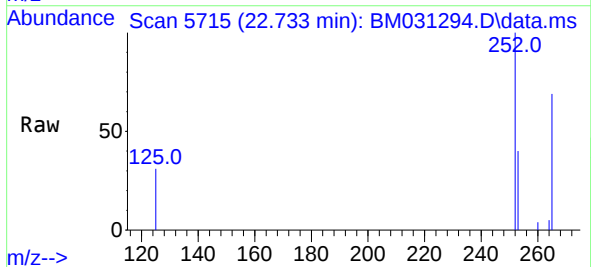
Manual Integrations
APPROVED

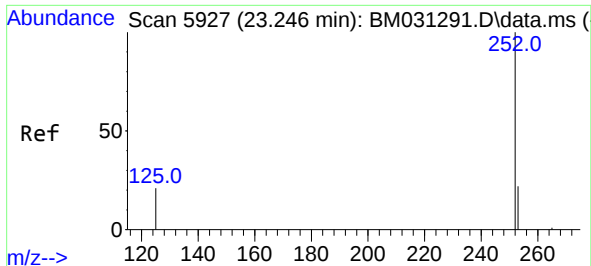
mohammad
8/2/2021 3:40:43 PM



#25
Benzo(k)fluoranthene
Concen: 0.083 ng/ul m
RT: 22.733 min Scan# 5715
Delta R.T. -0.007 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:252 Resp: 2031
Ion Ratio Lower Upper
252 100
253 40.0 21.3 31.9#
125 31.1 8.8 13.2#





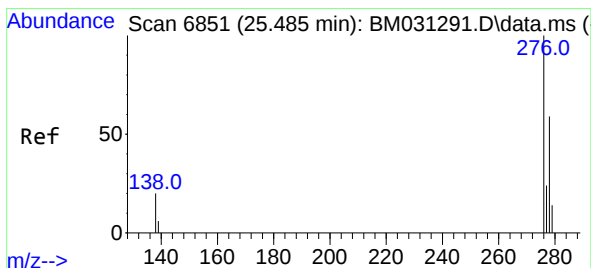
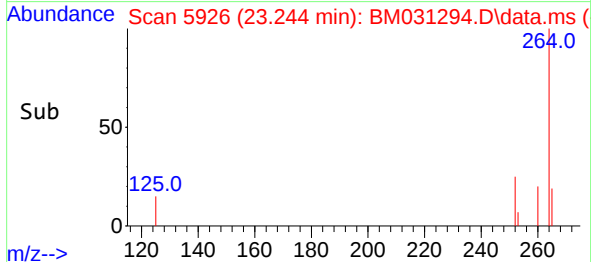
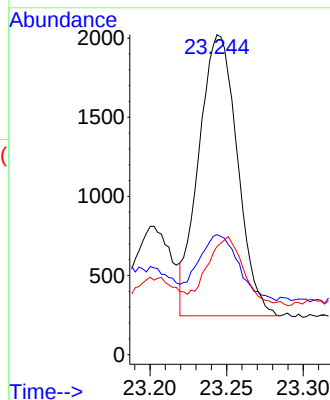
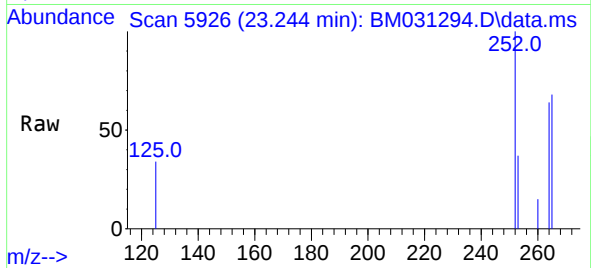
#26
Benzo(a)pyrene
Concen: 0.151 ng/ul
RT: 23.244 min Scan# 5926
Delta R.T. -0.005 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:	252	Resp:	3116
Ion Ratio	Lower	Upper	
252	100		
253	37.5	22.4	33.6#
125	33.8	13.0	19.4#

Instrument :
BNA_M
ClientSampled :
C0045

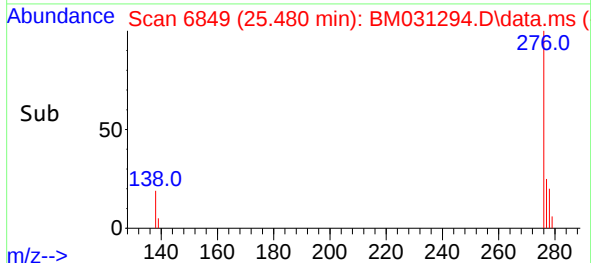
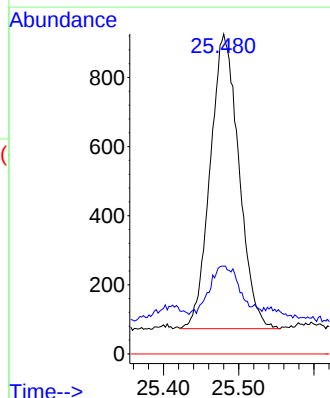
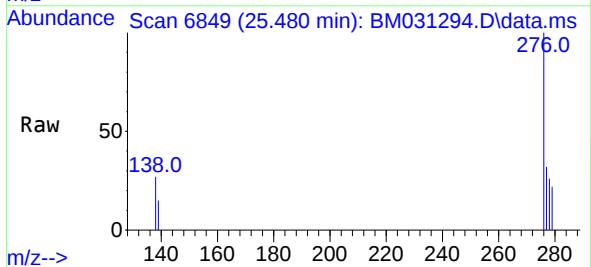
Manual Integrations
APPROVED

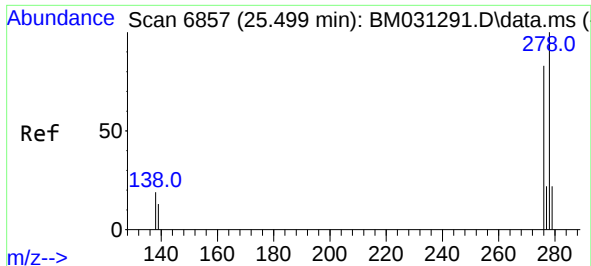
mohammad
8/2/2021 3:40:43 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.085 ng/ul
RT: 25.480 min Scan# 6849
Delta R.T. -0.009 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:	276	Resp:	2258
Ion Ratio	Lower	Upper	
276	100		
138	26.3	15.8	23.8#
227	0.0	0.0	0.0





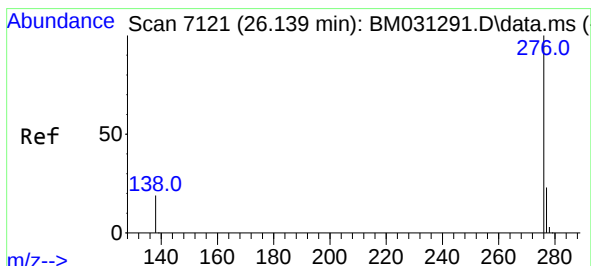
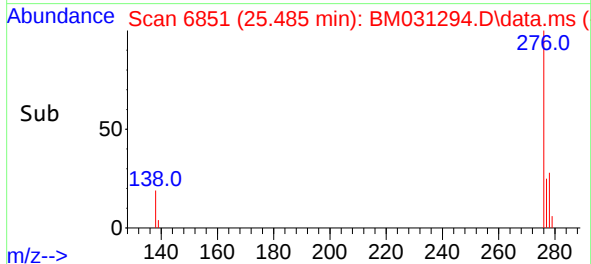
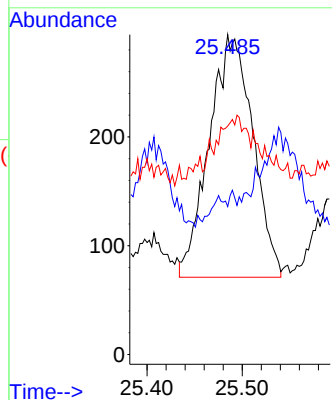
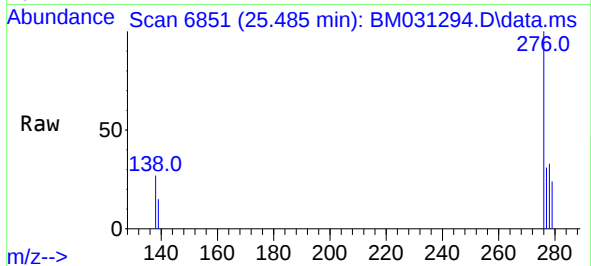
#28
Dibenzo(a,h)anthracene
Concen: 0.033 ng/ul m
RT: 25.485 min Scan# 6851
Delta R.T. -0.019 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:278 Resp: 711
Ion Ratio Lower Upper
278 100
139 46.3 13.3 19.9#
279 71.4 22.8 34.2#

Instrument :
BNA_M
ClientSampled :
C0045

Manual Integrations
APPROVED

mohammad
8/2/2021 3:40:43 PM



#29
Benzo(g,h,i)perylene
Concen: 0.085 ng/ul
RT: 26.137 min Scan# 7120
Delta R.T. -0.007 min
Lab File: BM031294.D
Acq: 31 Jul 2021 03:29

Tgt Ion:276 Resp: 1933
Ion Ratio Lower Upper
276 100
138 29.7 15.4 23.2#
277 32.4 19.9 29.9#

