

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
 Data File : BM029736.D
 Acq On : 30 Apr 2021 19:13
 Operator : CG/JU
 Sample : M2207-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-4A-3-COMP

Manual Integrations
 APPROVED

mohammad
 5/3/2021 10:49:27 AM

Quant Time: Apr 30 23:08:24 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 29 17:34:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.593	152	79561	20.00	ng	0.00
21) Naphthalene-d8	10.369	136	272799	20.00	ng	# 0.00
39) Acenaphthene-d10	14.239	164	192742	20.00	ng	0.00
64) Phenanthrene-d10	16.986	188	407994	20.00	ng	# 0.00
76) Chrysene-d12	21.168	240	462766	20.00	ng	-0.01
86) Perylene-d12	23.344	264	504710	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.193	112	247039	64.74	ng	0.00
7) Phenol-d6	6.775	99	300558	58.01	ng	0.00
23) Nitrobenzene-d5	8.745	82	199997	42.36	ng	0.00
42) 2,4,6-Tribromophenol	15.733	330	181359	59.27	ng	0.00
45) 2-Fluorobiphenyl	12.857	172	638989	42.99	ng	0.00
79) Terphenyl-d14	19.615	244	965241	38.28	ng	-0.01
Target Compounds						
						Qvalue
50) Dimethylphthalate	13.704	163	33395	2.27	ng	# 94
71) Phenanthrene	17.027	178	393753	17.13	ng	99
72) Anthracene	17.115	178	114684	5.02	ng	98
75) Fluoranthene	19.045	202	1115052	39.49	ng	98
78) Pyrene	19.409	202	937358	31.59	ng	98
81) Benzo(a)anthracene	21.156	228	584790	19.42	ng	99
83) Chrysene	21.203	228	548228	18.35	ng	98
87) Indeno(1,2,3-cd)pyrene	25.515	276	311196	8.15	ng	# 94
88) Benzo(b)fluoranthene	22.697	252	643674m	19.28	ng	
89) Benzo(k)fluoranthene	22.733	252	256823m	7.94	ng	
90) Benzo(a)pyrene	23.250	252	502799	16.46	ng	97
91) Dibenzo(a,h)anthracene	25.521	278	85960	2.61	ng	# 94
92) Benzo(g,h,i)perylene	26.185	276	280911	9.02	ng	98

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

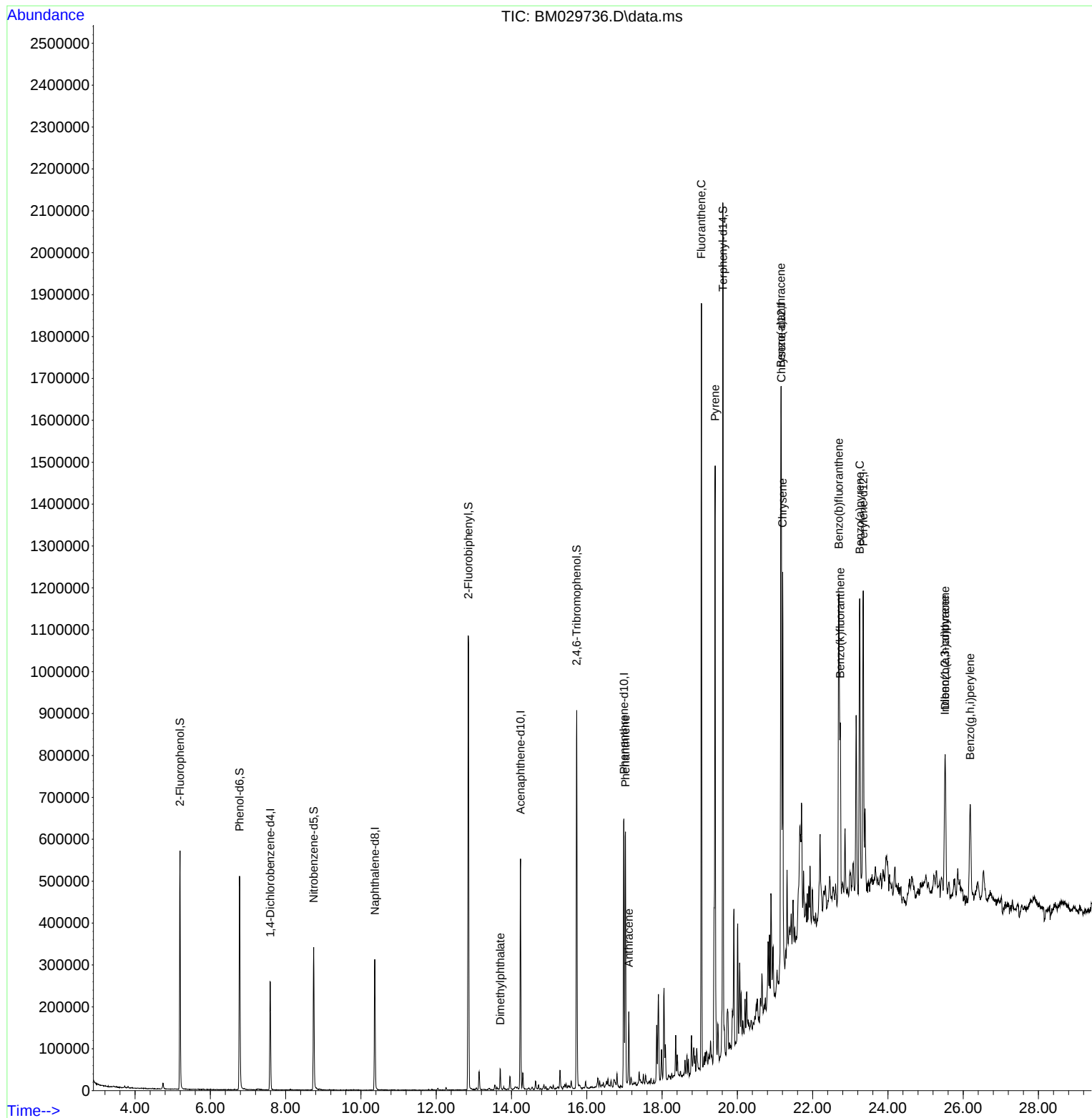
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029736.D
Acq On : 30 Apr 2021 19:13
Operator : CG/JU
Sample : M2207-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

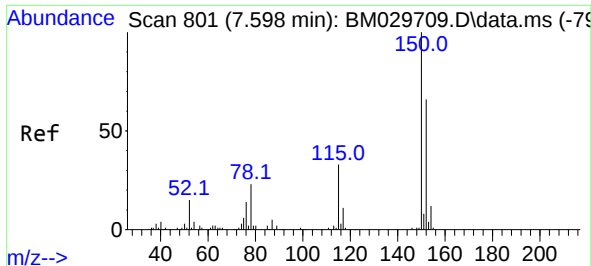
Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP

Manual Integrations
APPROVED

mohammad
5/3/2021 10:49:27 AM

Quant Time: Apr 30 23:08:24 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 29 17:34:54 2021
Response via : Initial Calibration





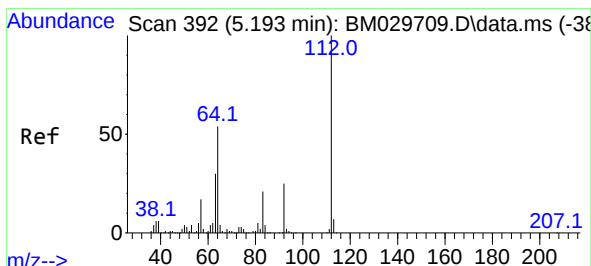
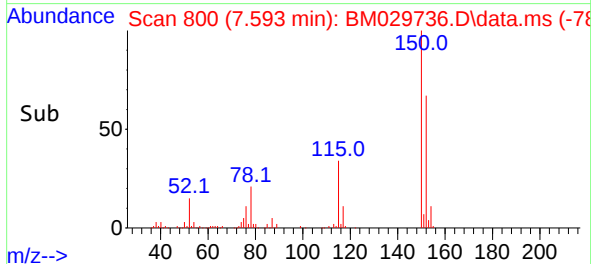
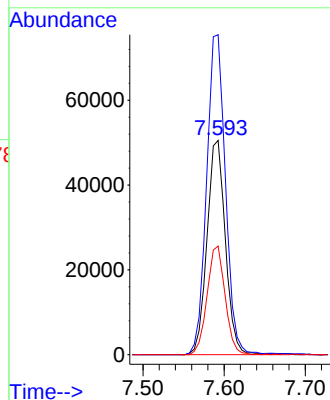
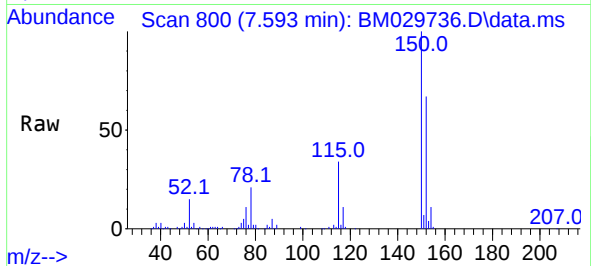
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.593 min Scan# 800
Delta R.T. -0.005 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

Tgt Ion:	152	Resp:	79561
Ion Ratio	Lower	Upper	
152	100		
150	149.3	125.9	188.9
115	50.7	44.6	67.0

Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP

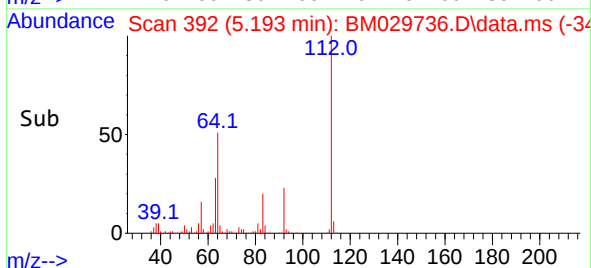
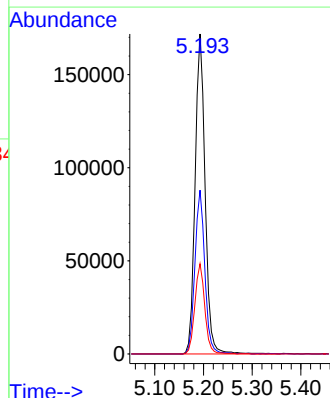
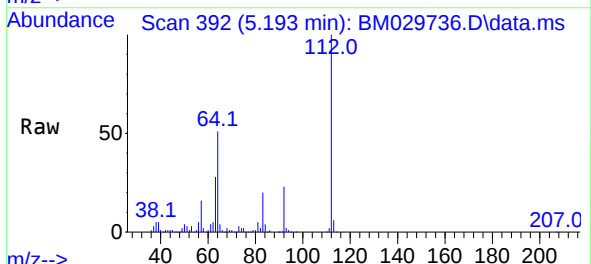
Manual Integrations
APPROVED

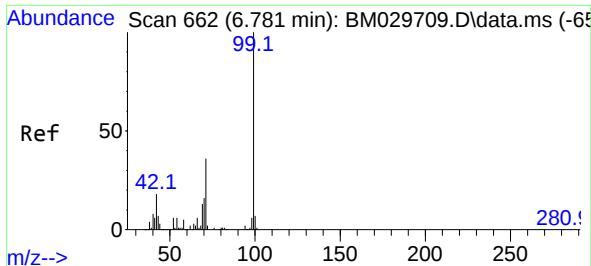
mohammad
5/3/2021 10:49:27 AM



#5
2-Fluorophenol
Concen: 64.74 ng
RT: 5.193 min Scan# 392
Delta R.T. 0.000 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

Tgt Ion:	112	Resp:	247039
Ion Ratio	Lower	Upper	
112	100		
64	51.2	47.1	70.7
63	28.2	27.3	40.9





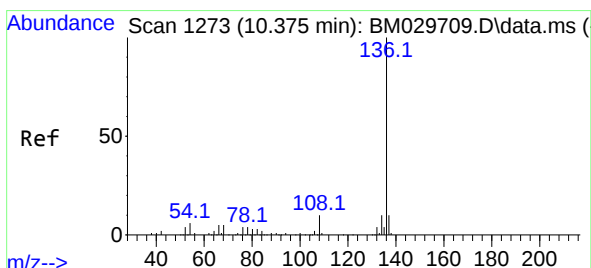
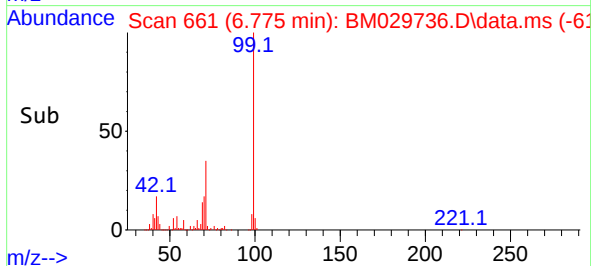
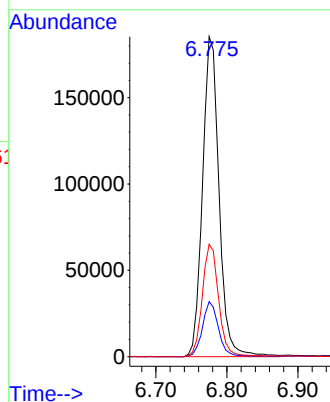
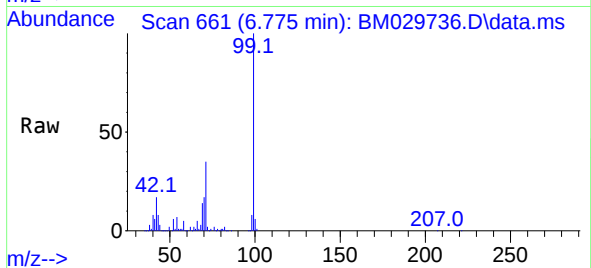
#7
Phenol-d6
Concen: 58.01 ng
RT: 6.775 min Scan# 661
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

Tgt Ion: 99 Resp: 300558
Ion Ratio Lower Upper
99 100
42 17.2 18.0 27.0#
71 35.1 30.9 46.3

Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP

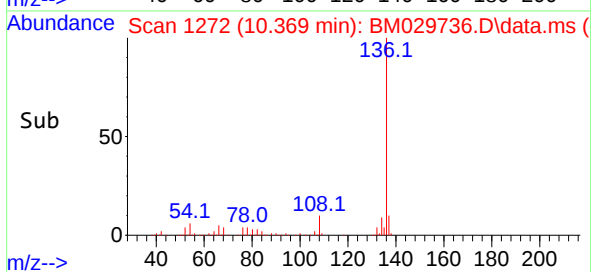
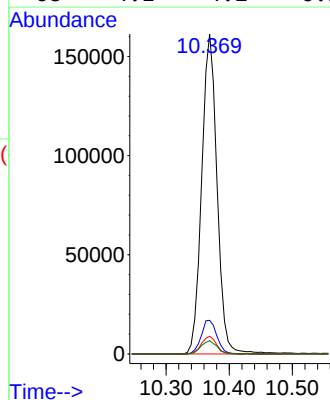
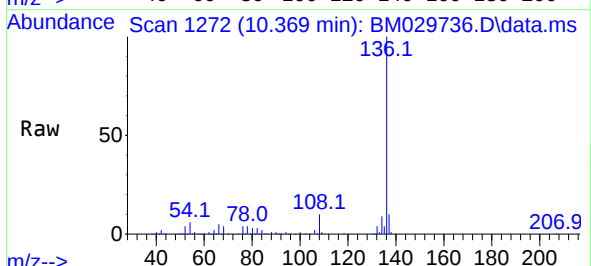
Manual Integrations
APPROVED

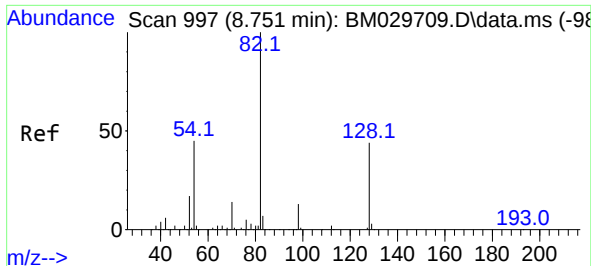
mohammad
5/3/2021 10:49:27 AM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.369 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

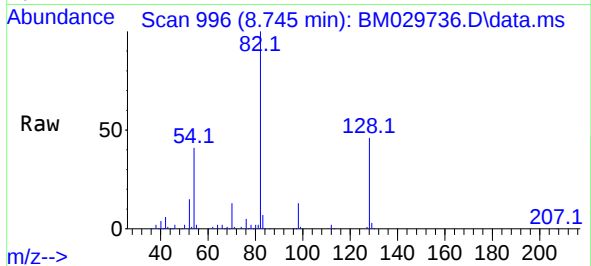
Tgt Ion: 136 Resp: 272799
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 5.5 5.5 8.3#
68 4.1 4.2 6.2#





#23
Nitrobenzene-d5
Concen: 42.36 ng
RT: 8.745 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

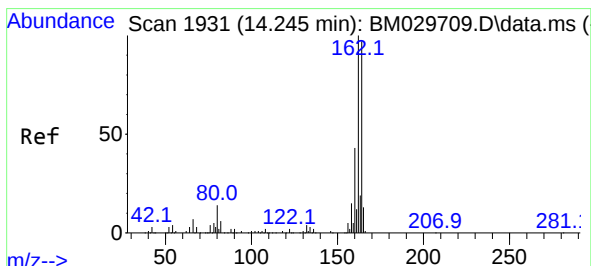
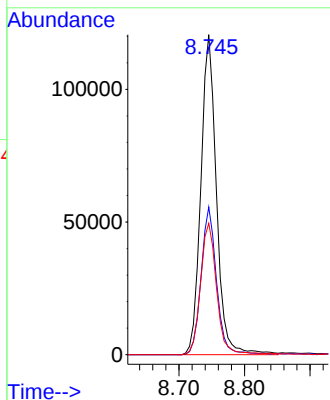
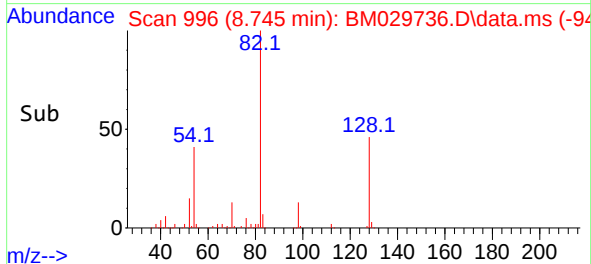
Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP



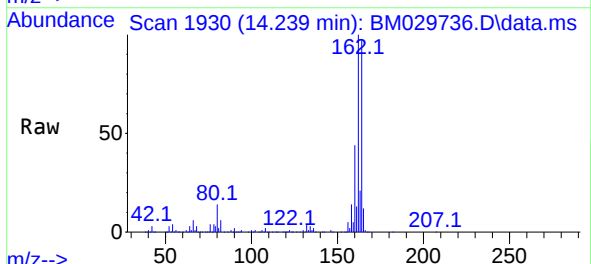
Tgt Ion: 82 Resp: 199997
Ion Ratio Lower Upper
82 100
128 46.1 31.1 46.7
54 41.0 37.3 55.9

Manual Integrations
APPROVED

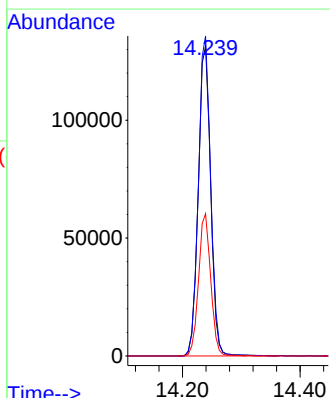
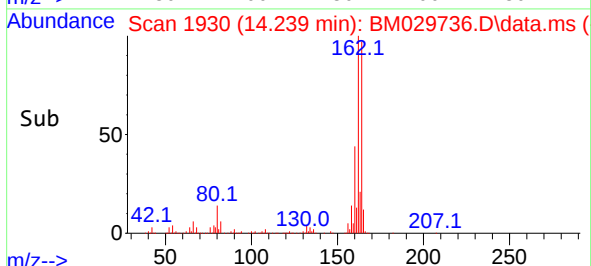
mohammad
5/3/2021 10:49:27 AM

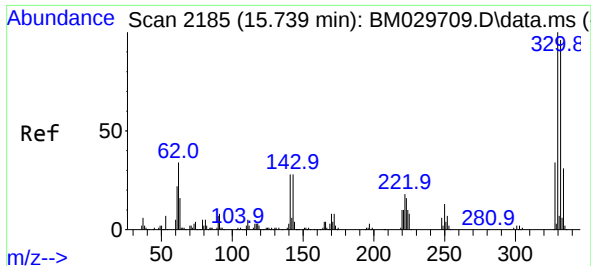


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.239 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

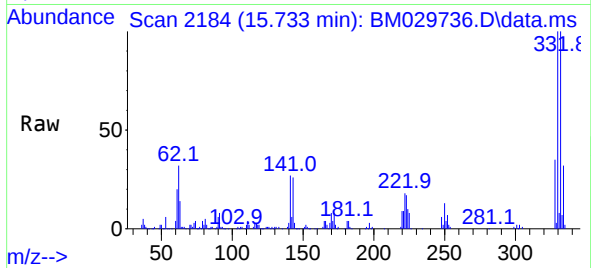


Tgt Ion: 164 Resp: 192742
Ion Ratio Lower Upper
164 100
162 103.3 83.4 125.0
160 45.9 37.2 55.8

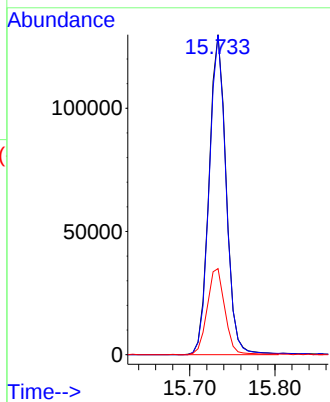
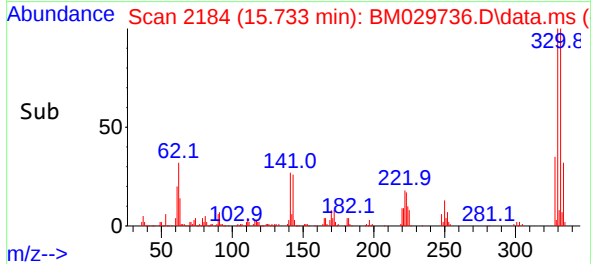




#42
2,4,6-Tribromophenol
Concen: 59.27 ng
RT: 15.733 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13



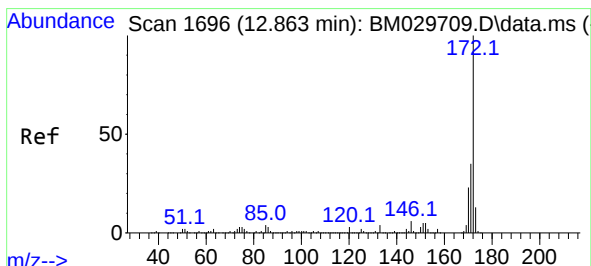
Tgt Ion:330 Resp: 181359
Ion Ratio Lower Upper
330 100
332 98.7 77.0 115.4
141 27.8 30.2 45.2#



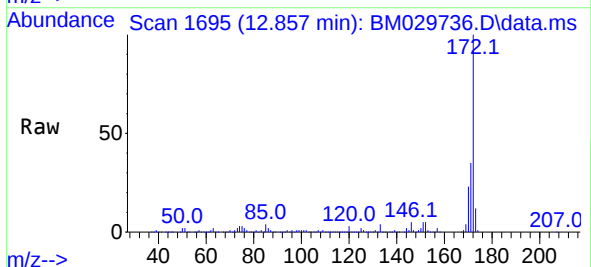
Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP

Manual Integrations
APPROVED

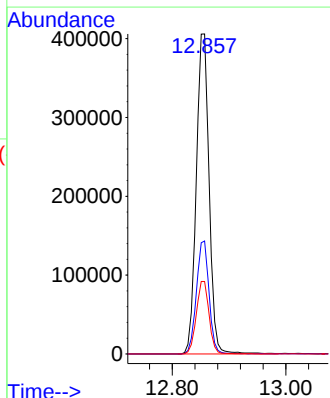
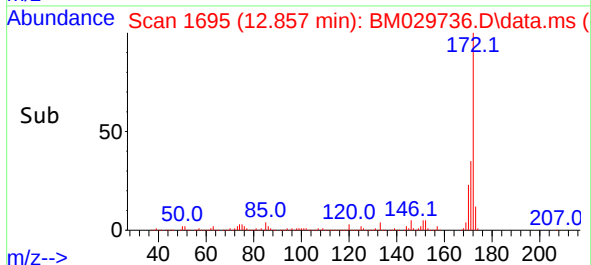
mohammad
5/3/2021 10:49:27 AM

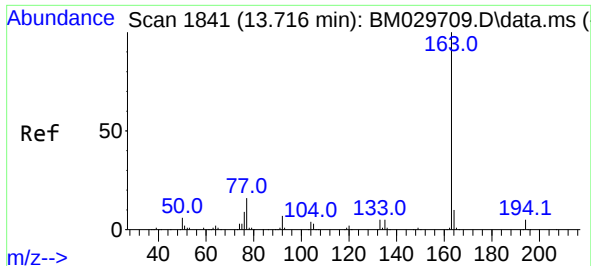


#45
2-Fluorobiphenyl
Concen: 42.99 ng
RT: 12.857 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

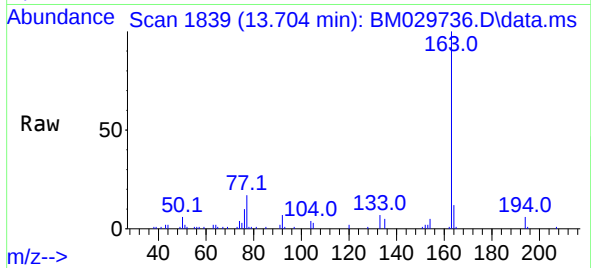


Tgt Ion:172 Resp: 638989
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 22.7 18.4 27.6

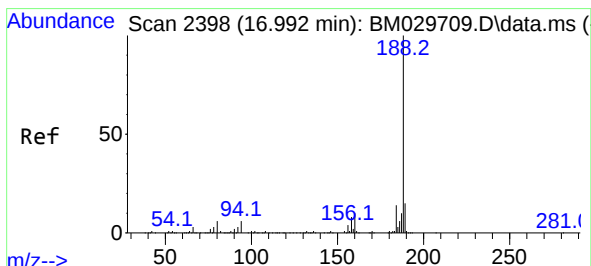
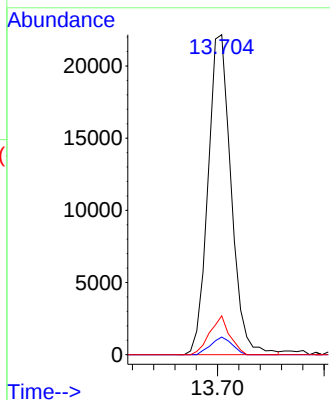
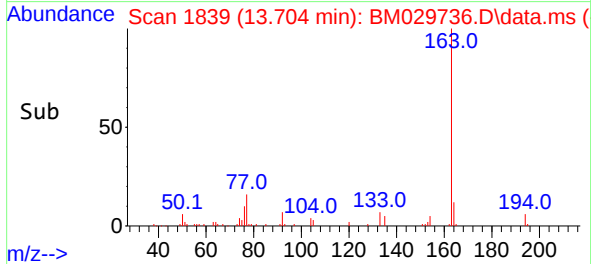




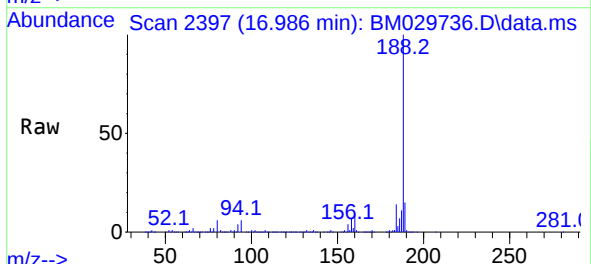
#50
Dimethylphthalate
Concen: 2.27 ng
RT: 13.704 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13



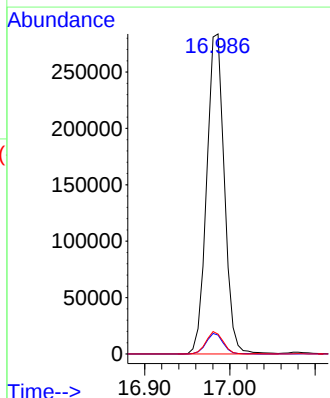
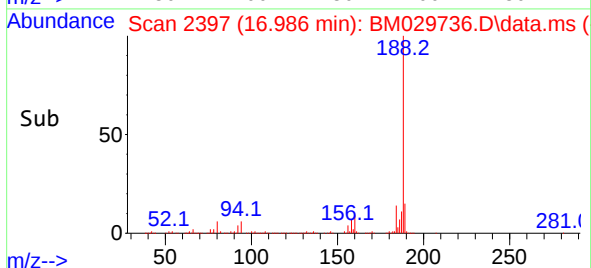
Tgt Ion:163 Resp: 33395
Ion Ratio Lower Upper
163 100
194 5.5 3.3 4.9#
164 12.2 7.9 11.9#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.986 min Scan# 2397
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13



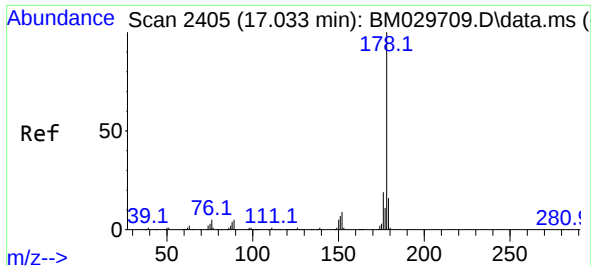
Tgt Ion:188 Resp: 407994
Ion Ratio Lower Upper
188 100
94 5.9 6.0 9.0#
80 6.2 6.6 9.8#



Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP

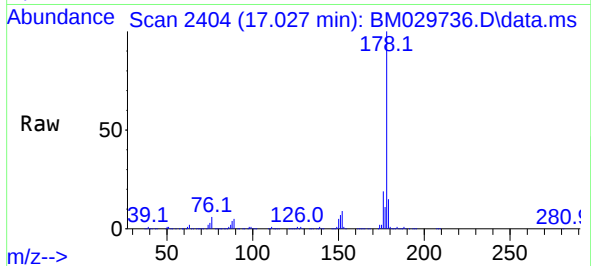
Manual Integrations
APPROVED

mohammad
5/3/2021 10:49:27 AM



#71
Phenanthrene
Concen: 17.13 ng
RT: 17.027 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

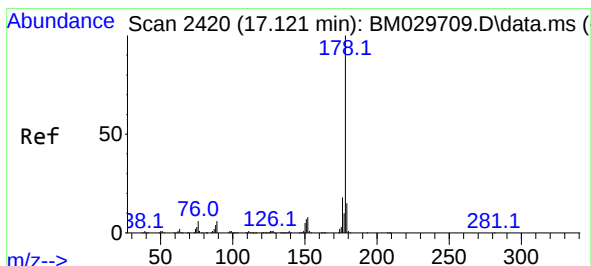
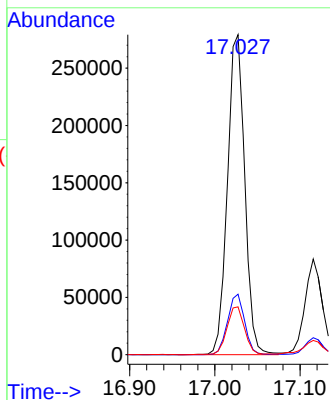
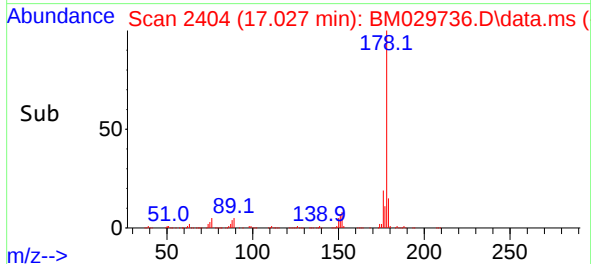
Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP



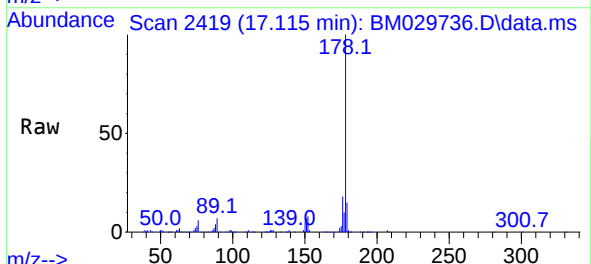
Tgt Ion:178 Resp: 393753
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.0 12.2 18.4

Manual Integrations
APPROVED

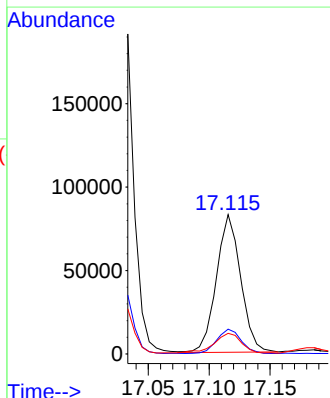
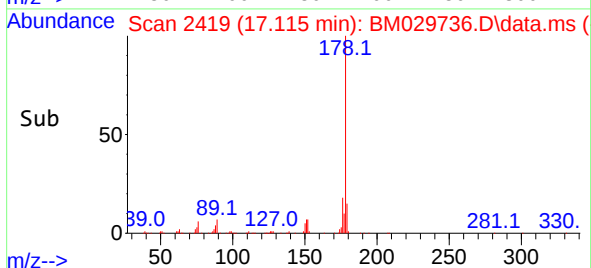
mohammad
5/3/2021 10:49:27 AM

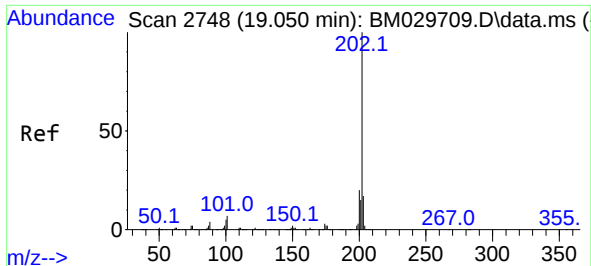


#72
Anthracene
Concen: 5.02 ng
RT: 17.115 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

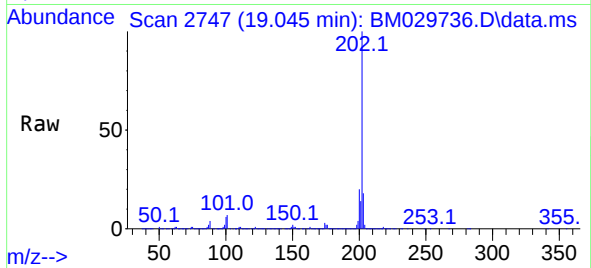


Tgt Ion:178 Resp: 114684
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.4
179 14.9 12.5 18.7

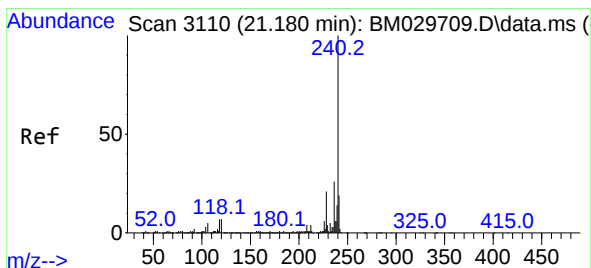
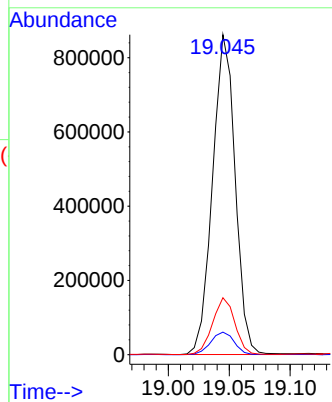
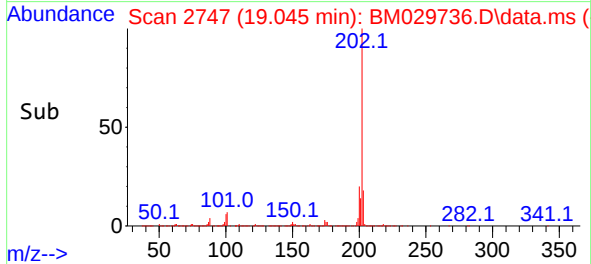




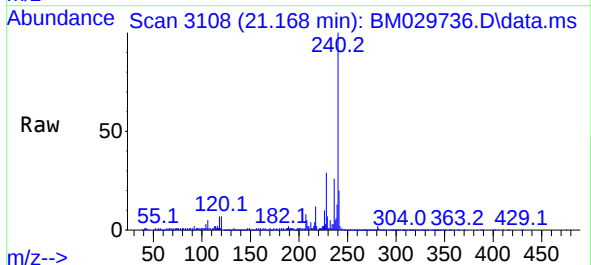
#75
Fluoranthene
Concen: 39.49 ng
RT: 19.045 min Scan# 2747
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13



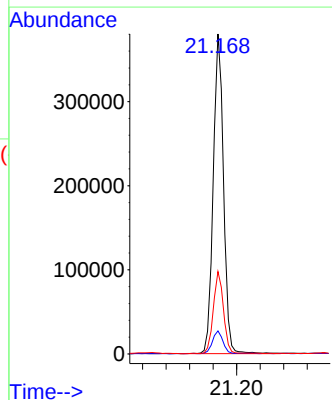
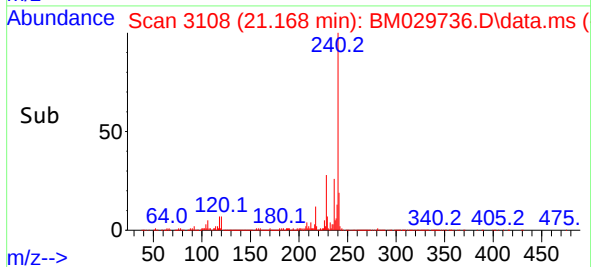
Tgt Ion:202 Resp: 1115052
Ion Ratio Lower Upper
202 100
101 7.1 0.0 28.6
203 17.8 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.168 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13



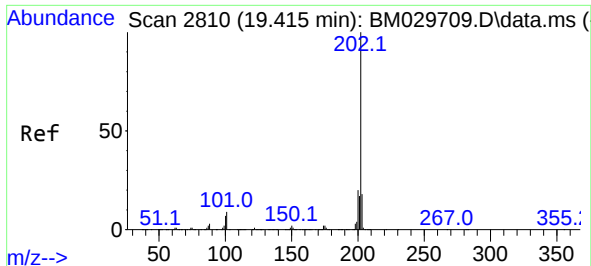
Tgt Ion:240 Resp: 462766
Ion Ratio Lower Upper
240 100
120 7.2 7.0 10.6
236 25.8 21.0 31.4



Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP

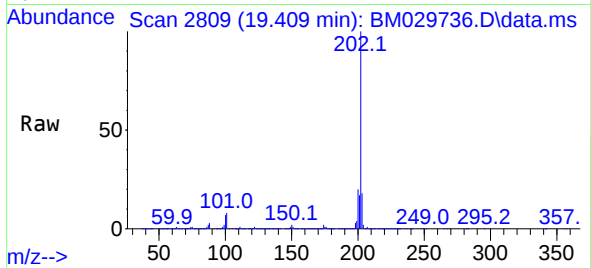
Manual Integrations
APPROVED

mohammad
5/3/2021 10:49:27 AM



#78
Pyrene
Concen: 31.59 ng
RT: 19.409 min Scan# 2809
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

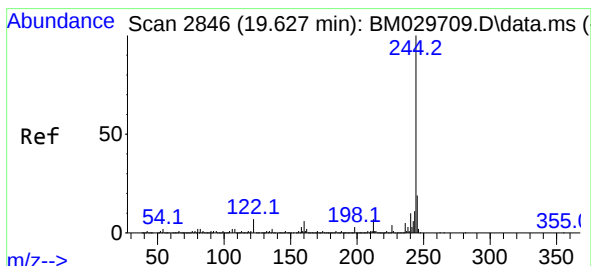
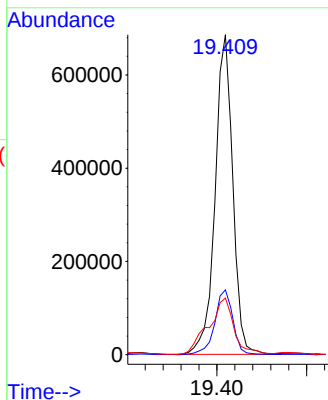
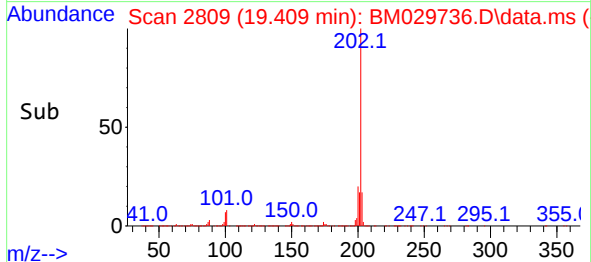
Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP



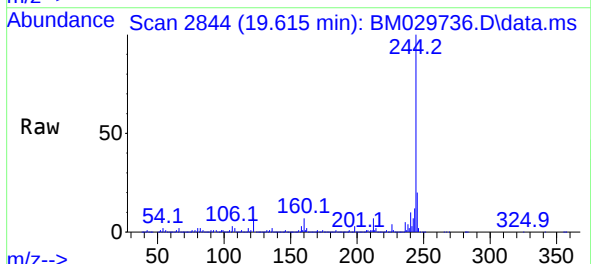
Tgt Ion:202 Resp: 937358
Ion Ratio Lower Upper
202 100
200 20.3 17.3 25.9
203 17.7 13.9 20.9

Manual Integrations
APPROVED

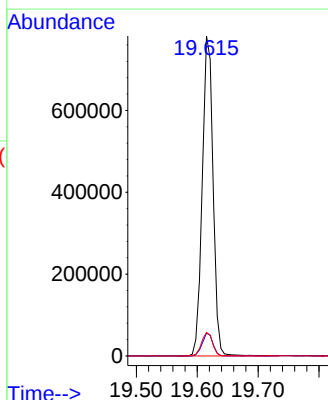
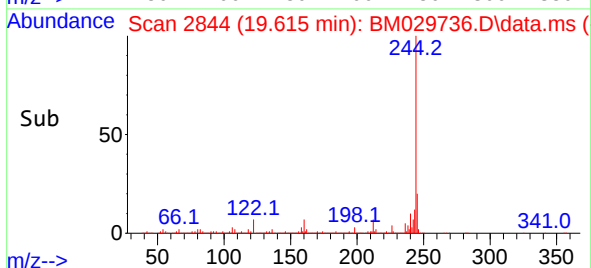
mohammad
5/3/2021 10:49:27 AM

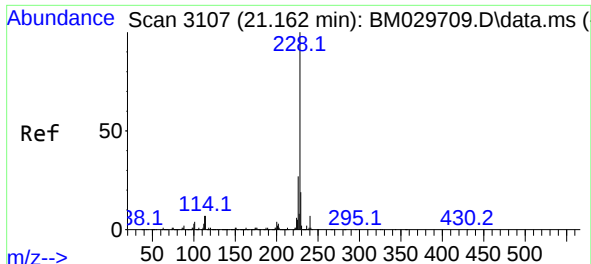


#79
Terphenyl-d14
Concen: 38.28 ng
RT: 19.615 min Scan# 2844
Delta R.T. -0.012 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13



Tgt Ion:244 Resp: 965241
Ion Ratio Lower Upper
244 100
212 7.2 6.3 9.5
122 7.4 6.9 10.3





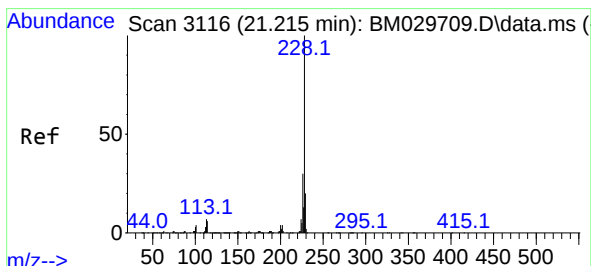
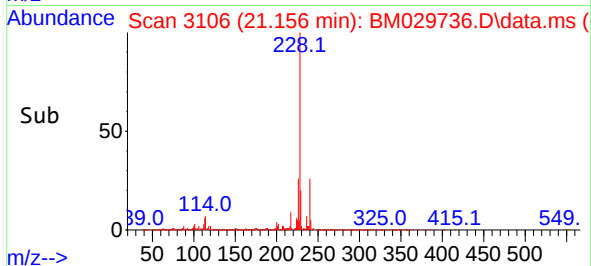
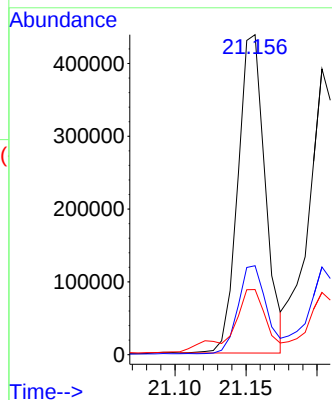
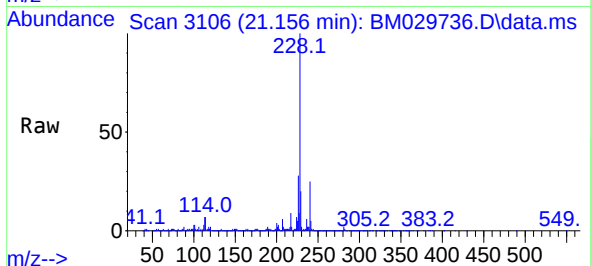
#81
Benzo(a)anthracene
Concen: 19.42 ng
RT: 21.156 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

Tgt Ion:228 Resp: 584790
Ion Ratio Lower Upper
228 100
226 27.8 22.3 33.5
229 20.4 15.7 23.5

Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP

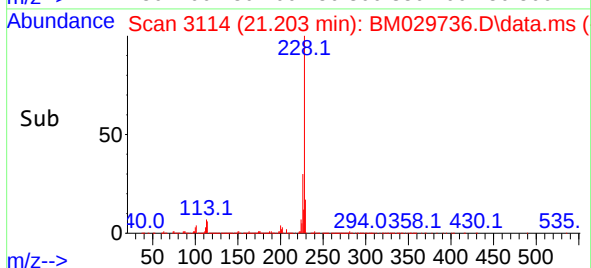
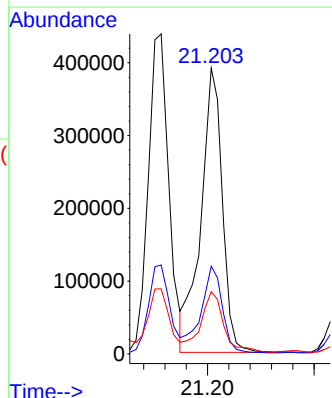
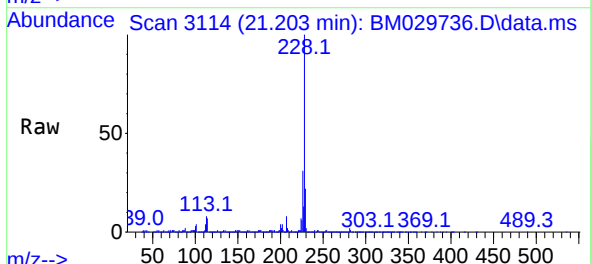
Manual Integrations
APPROVED

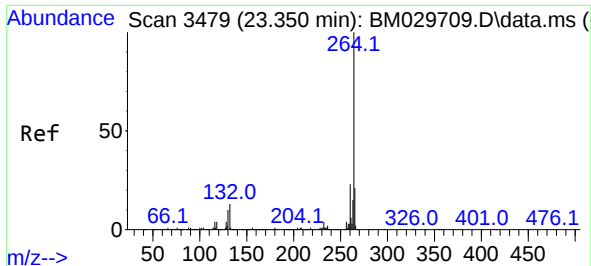
mohammad
5/3/2021 10:49:27 AM



#83
Chrysene
Concen: 18.35 ng
RT: 21.203 min Scan# 3114
Delta R.T. -0.012 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

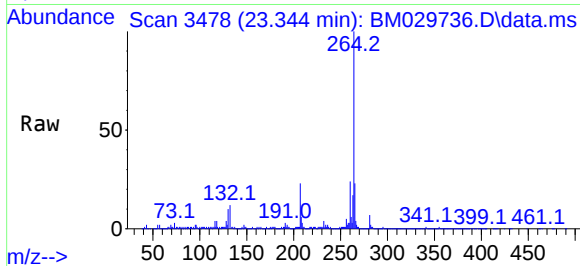
Tgt Ion:228 Resp: 548228
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 21.8 15.5 23.3





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.344 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

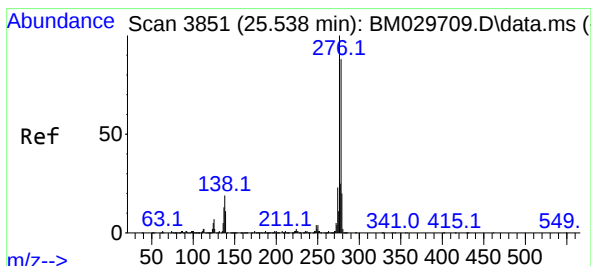
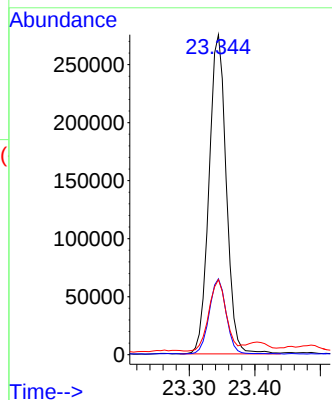
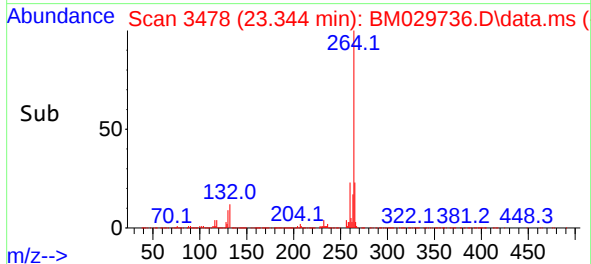
Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP



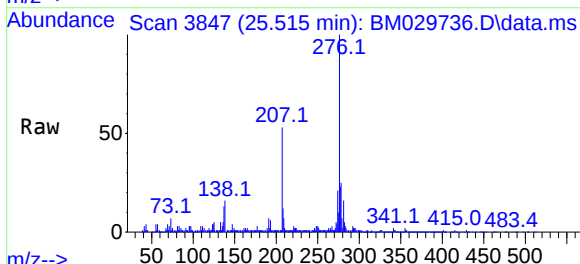
Tgt Ion:264 Resp: 504710
Ion Ratio Lower Upper
264 100
260 23.7 19.8 29.8
265 23.4 17.7 26.5

Manual Integrations
APPROVED

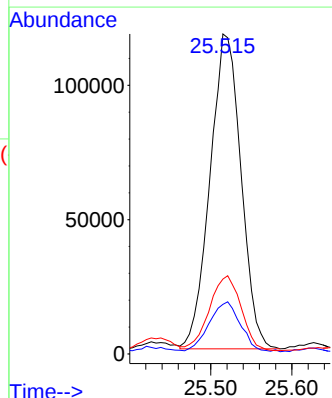
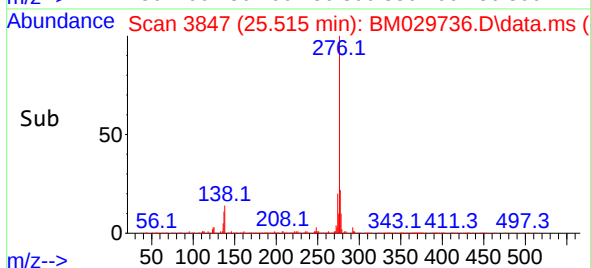
mohammad
5/3/2021 10:49:27 AM

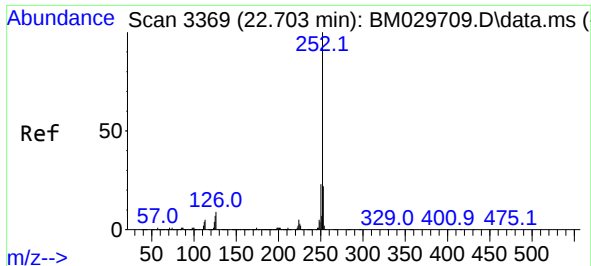


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.15 ng
RT: 25.515 min Scan# 3847
Delta R.T. -0.023 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13



Tgt Ion:276 Resp: 311196
Ion Ratio Lower Upper
276 100
138 16.1 17.1 25.7#
277 24.5 20.3 30.5





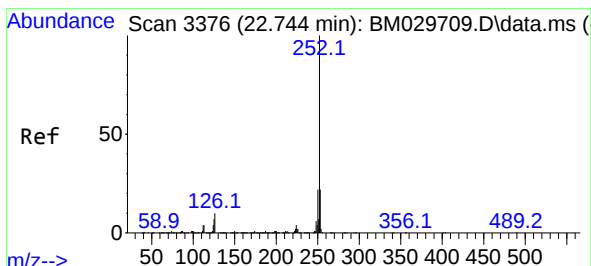
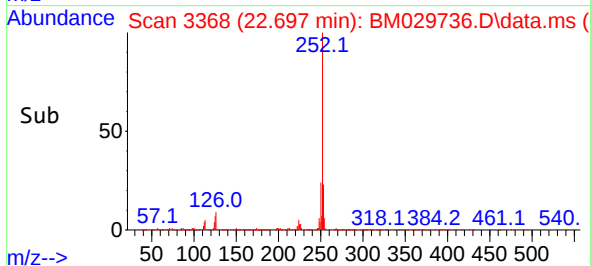
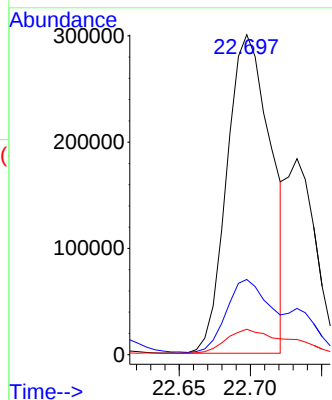
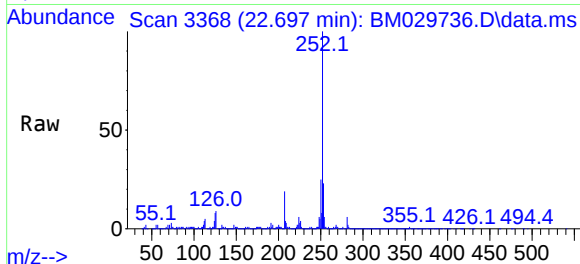
#88
Benzo(b)fluoranthene
Concen: 19.28 ng m
RT: 22.697 min Scan# 3368
Delta R.T. -0.006 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

Tgt Ion:252 Resp: 643674
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 7.9 6.8 10.2

Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP

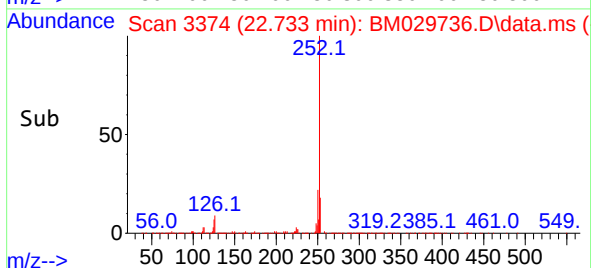
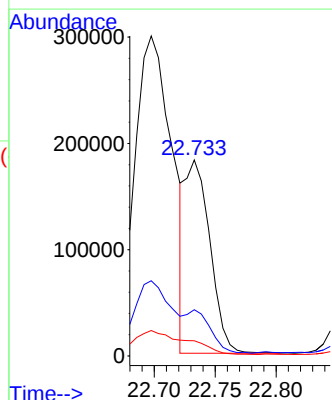
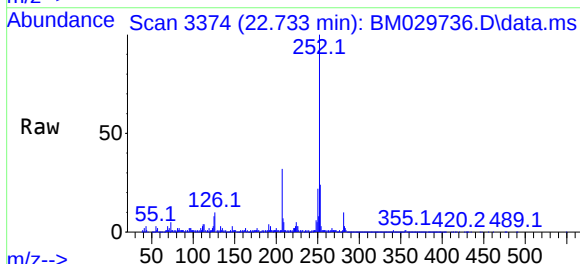
Manual Integrations
APPROVED

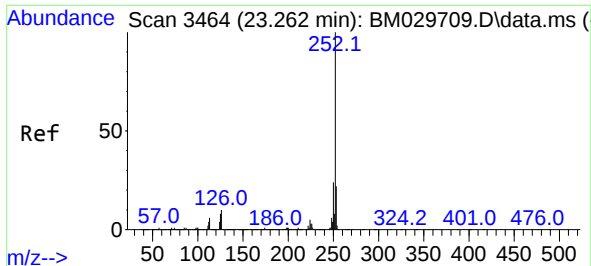
mohammad
5/3/2021 10:49:27 AM



#89
Benzo(k)fluoranthene
Concen: 7.94 ng m
RT: 22.733 min Scan# 3374
Delta R.T. -0.012 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

Tgt Ion:252 Resp: 256823
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 7.7 6.2 9.2





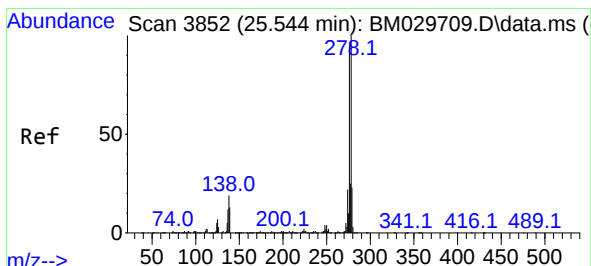
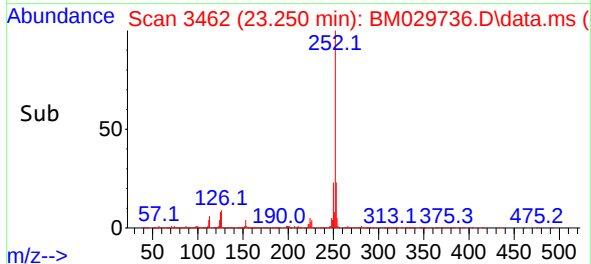
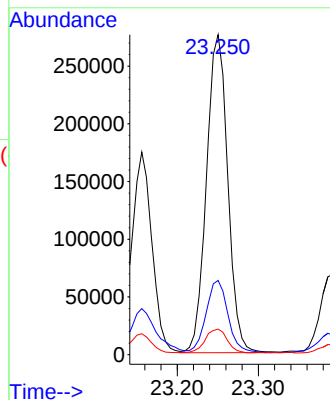
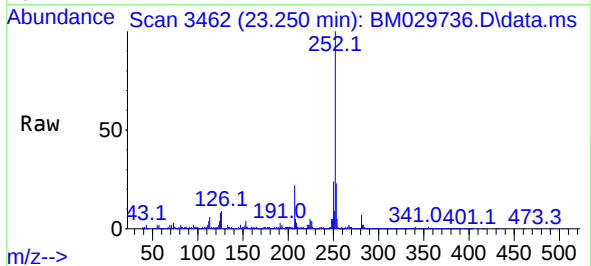
#90
Benzo(a)pyrene
Concen: 16.46 ng
RT: 23.250 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

Tgt Ion:252 Resp: 502799
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 8.0 7.3 10.9

Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP

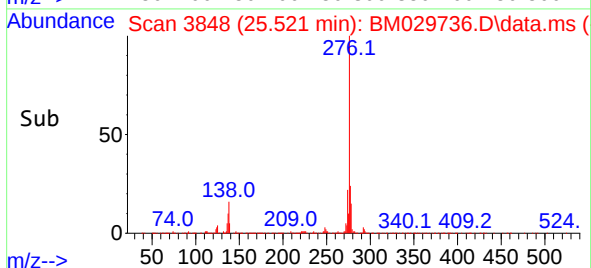
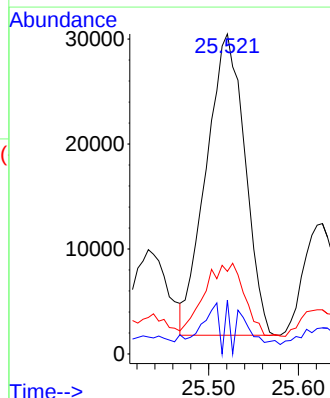
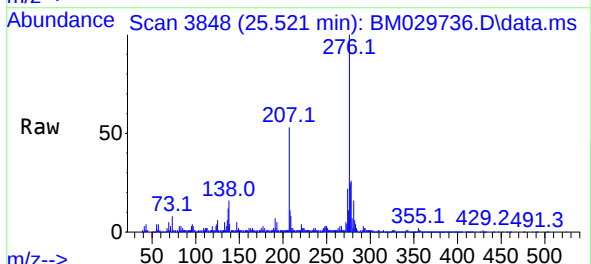
Manual Integrations
APPROVED

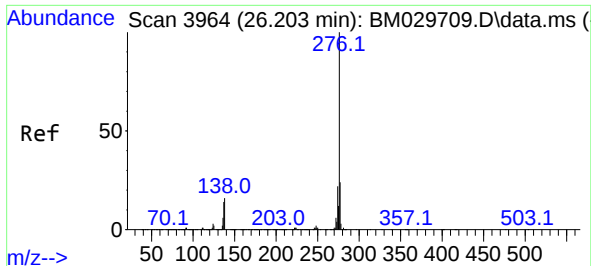
mohammad
5/3/2021 10:49:27 AM



#91
Dibenzo(a,h)anthracene
Concen: 2.61 ng
RT: 25.521 min Scan# 3848
Delta R.T. -0.023 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

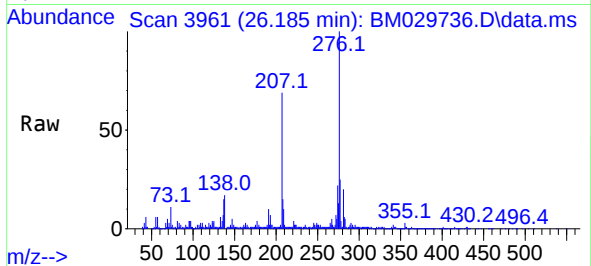
Tgt Ion:278 Resp: 85960
Ion Ratio Lower Upper
278 100
139 16.9 11.0 16.4#
279 25.8 18.7 28.1





#92
Benzo(g,h,i)perylene
Concen: 9.02 ng
RT: 26.185 min Scan# 3961
Delta R.T. -0.017 min
Lab File: BM029736.D
Acq: 30 Apr 2021 19:13

Instrument :
BNA_M
ClientSampleId :
TP-4A-3-COMP



Tgt Ion:	276	Resp:	280911
Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.2
138	16.7	14.4	21.6

Manual Integrations
APPROVED

mohammad
5/3/2021 10:49:27 AM

