

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020421\
 Data File : BM028656.D
 Acq On : 04 Feb 2021 16:16
 Operator : CG/JU
 Sample : M1291-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU421-007-0002

Manual Integrations
 APPROVED

mohammad
 2/8/2021 12:16:52 PM

Quant Time: Feb 04 16:51:20 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 16:19:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	28801	20.00	ng	0.00
21) Naphthalene-d8	10.740	136	110641	20.00	ng	# 0.00
39) Acenaphthene-d10	14.575	164	60099	20.00	ng	-0.01
64) Phenanthrene-d10	17.310	188	117365	20.00	ng	#-0.01
76) Chrysene-d12	21.457	240	114041	20.00	ng	#-0.01
86) Perylene-d12	23.715	264	118370	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	23960	13.14	ng	-0.01
7) Phenol-d6	7.099	99	29492	11.88	ng	-0.02
23) Nitrobenzene-d5	9.099	82	18089	7.75	ng	-0.01
42) 2,4,6-Tribromophenol	16.063	330	9845	12.36	ng	-0.01
45) 2-Fluorobiphenyl	13.198	172	40559	8.47	ng	-0.01
79) Terphenyl-d14	19.916	244	49978	7.91	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.304	152	30530	4.91	ng	99
71) Phenanthrene	17.357	178	15277	2.12	ng	99
72) Anthracene	17.445	178	18789	2.69	ng	99
75) Fluoranthene	19.357	202	39050	4.82	ng	96
78) Pyrene	19.716	202	44089	5.39	ng	98
81) Benzo(a)anthracene	21.445	228	26915	3.42	ng	# 86
83) Chrysene	21.492	228	27535	3.62	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.003	276	35384m	4.01	ng	
88) Benzo(b)fluoranthene	23.039	252	51213m	6.37	ng	
90) Benzo(a)pyrene	23.615	252	41206	5.53	ng	# 88
92) Benzo(g,h,i)perylene	26.715	276	43770	6.10	ng	# 89

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

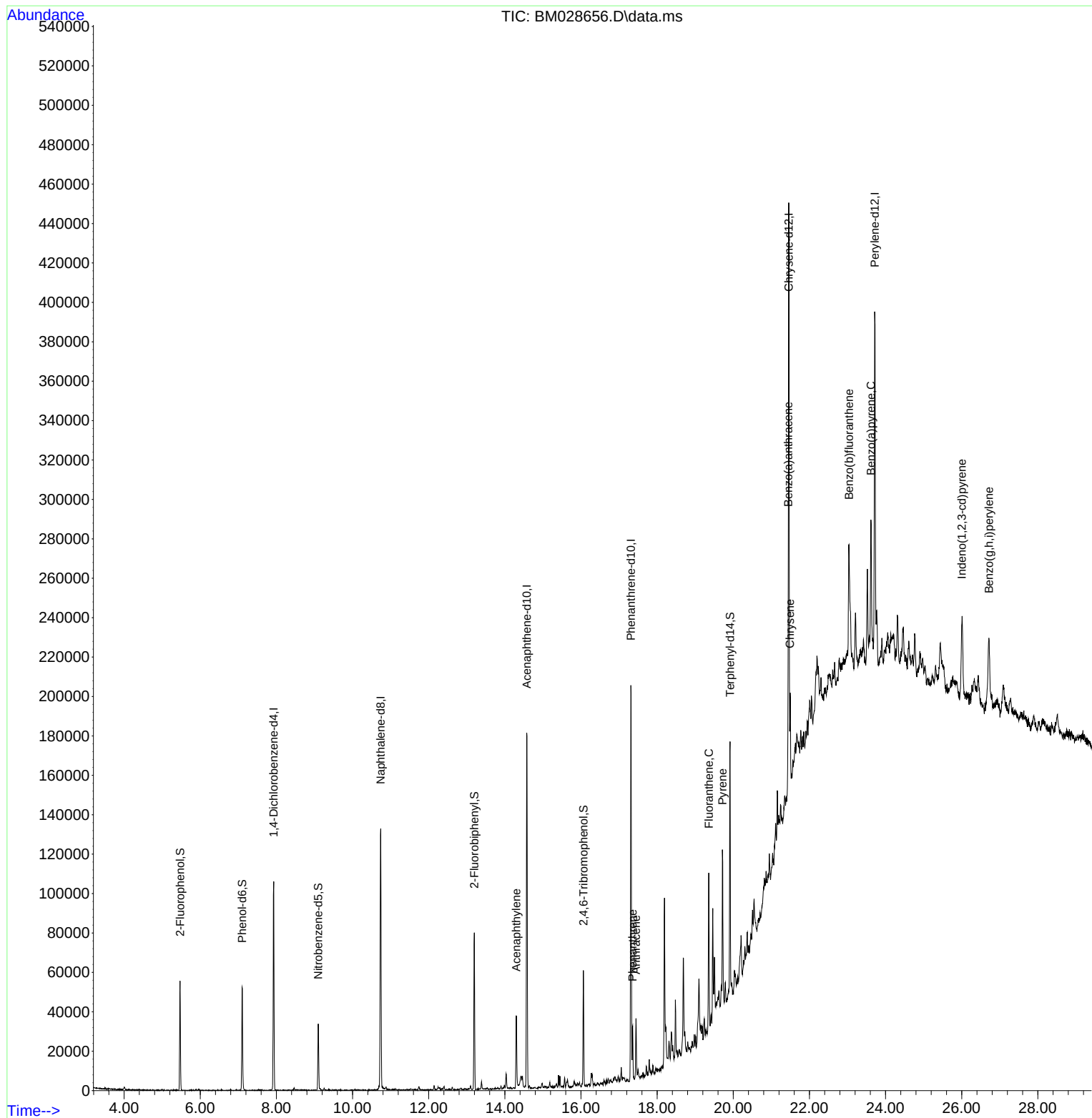
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020421\
Data File : BM028656.D
Acq On : 04 Feb 2021 16:16
Operator : CG/JU
Sample : M1291-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

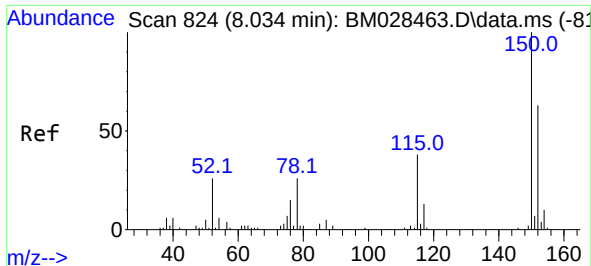
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

Manual Integrations
APPROVED

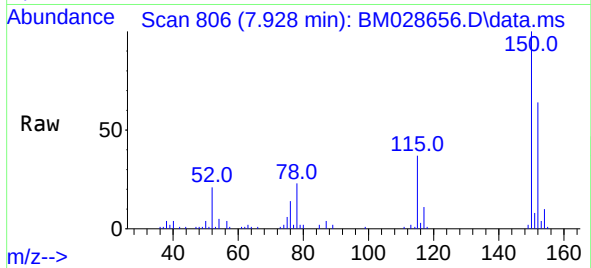
mohammad
2/8/2021 12:16:52 PM

Quant Time: Feb 04 16:51:20 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 16:19:07 2021
Response via : Initial Calibration

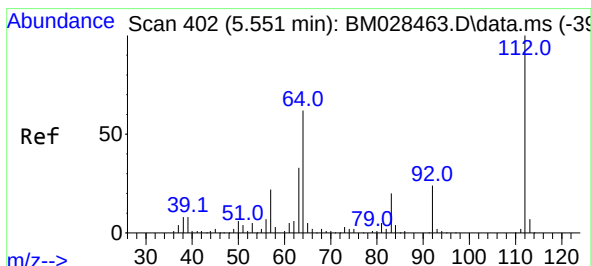
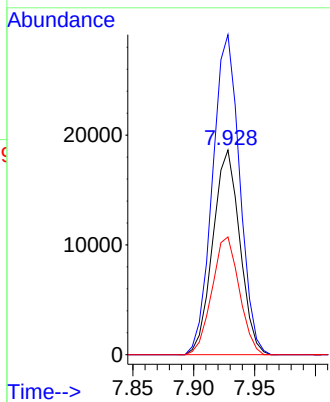
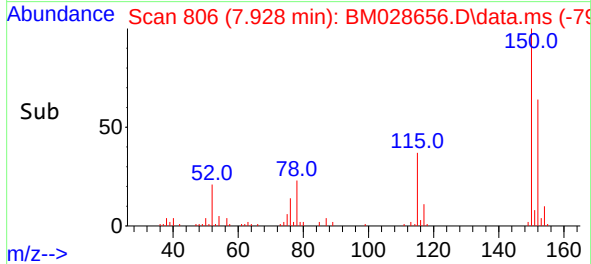




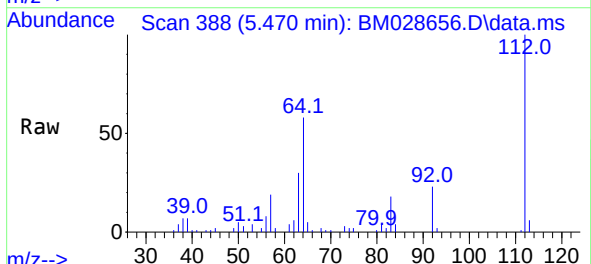
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16



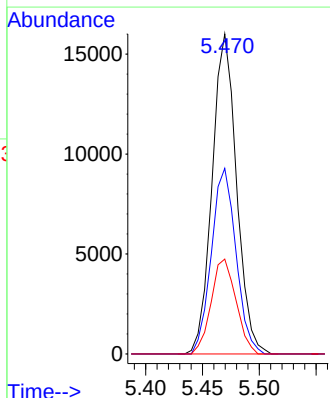
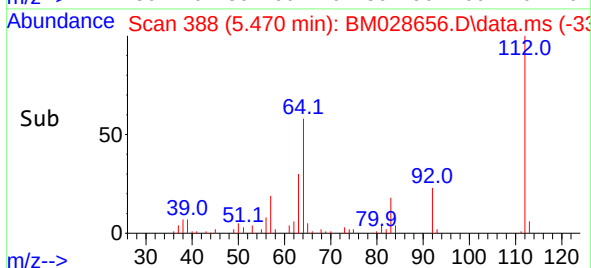
Tgt Ion:152 Resp: 28801
Ion Ratio Lower Upper
152 100
150 156.3 120.6 181.0
115 57.6 47.2 70.8



#5
2-Fluorophenol
Concen: 13.14 ng
RT: 5.470 min Scan# 388
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16



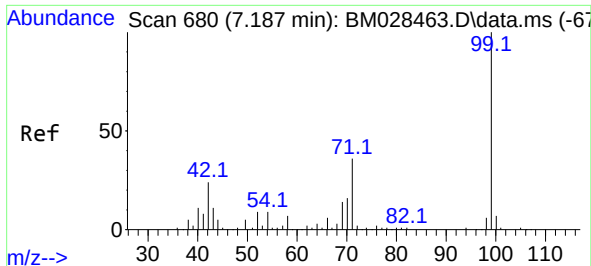
Tgt Ion:112 Resp: 23960
Ion Ratio Lower Upper
112 100
64 58.0 50.6 76.0
63 29.6 31.0 46.6#



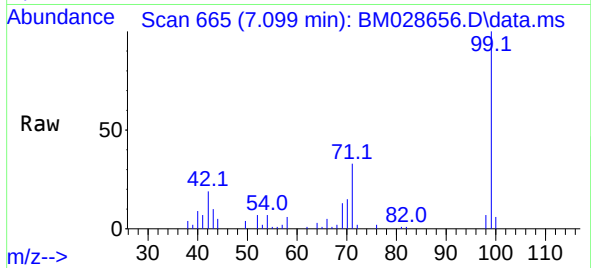
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

Manual Integrations
APPROVED

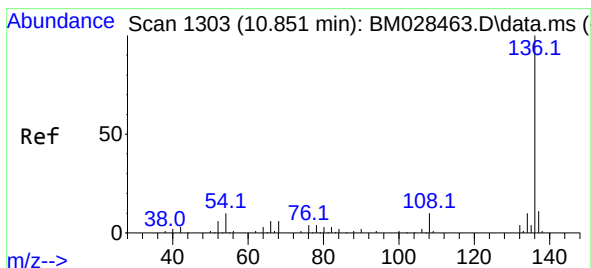
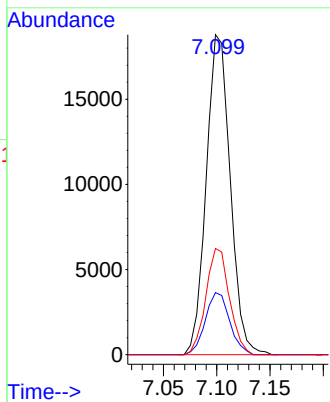
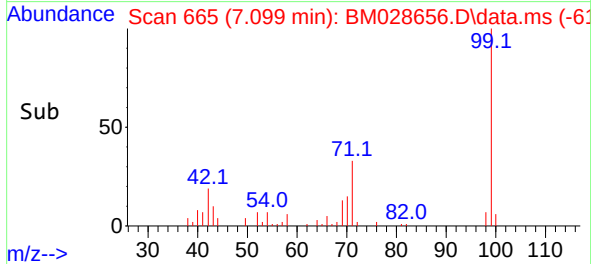
mohammad
2/8/2021 12:16:52 PM



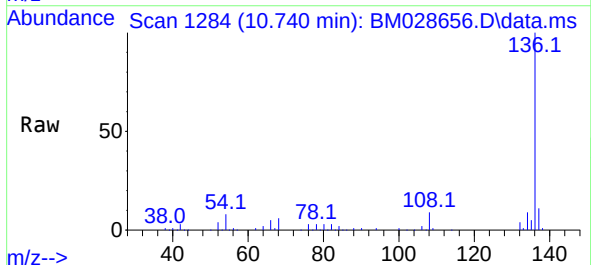
#7
Phenol-d6
Concen: 11.88 ng
RT: 7.099 min Scan# 665
Delta R.T. -0.023 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16



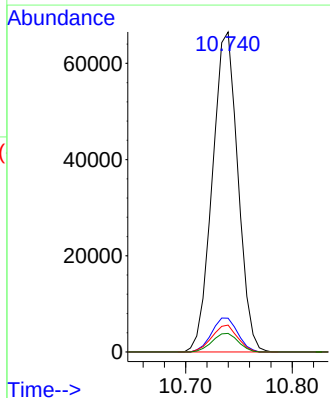
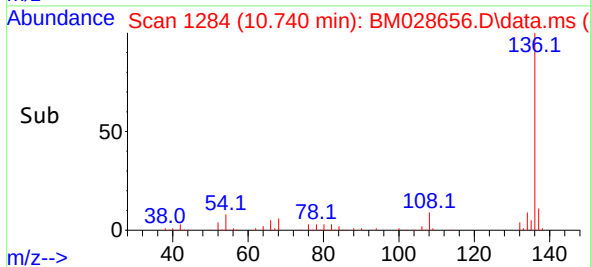
Tgt Ion: 99 Resp: 29492
Ion Ratio Lower Upper
99 100
42 19.4 13.5 20.3
71 33.2 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.740 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16



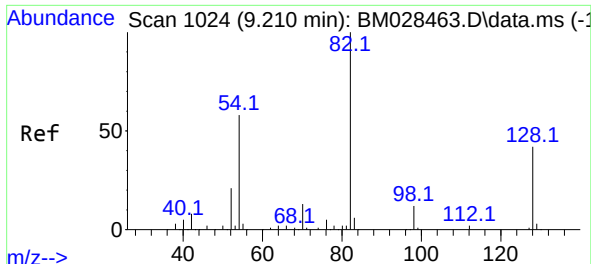
Tgt Ion: 136 Resp: 110641
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 8.4 4.6 7.0#
68 5.8 4.1 6.1



Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

Manual Integrations
APPROVED

mohammad
2/8/2021 12:16:52 PM



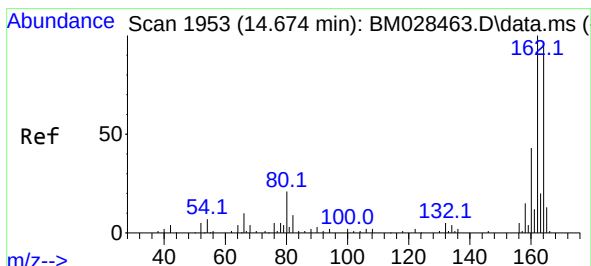
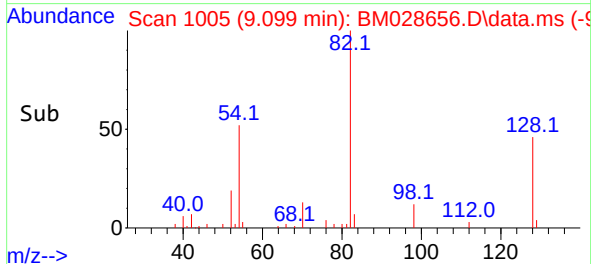
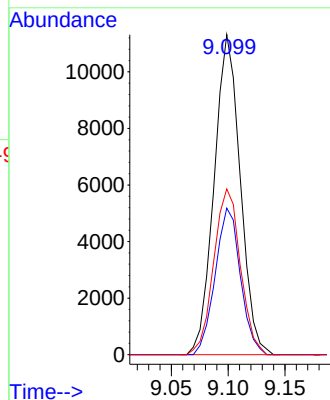
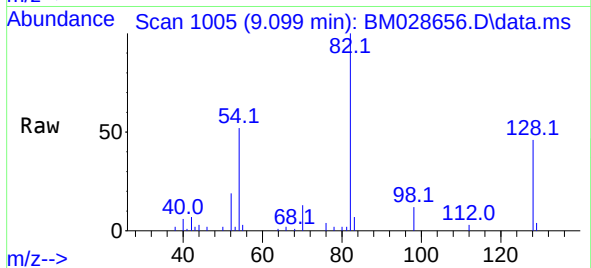
#23
Nitrobenzene-d5
Concen: 7.75 ng
RT: 9.099 min Scan# 1005
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

Tgt Ion:	82	Resp:	18089
Ion	Ratio	Lower	Upper
82	100		
128	45.8	27.4	41.0#
54	51.8	31.4	47.0#

Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

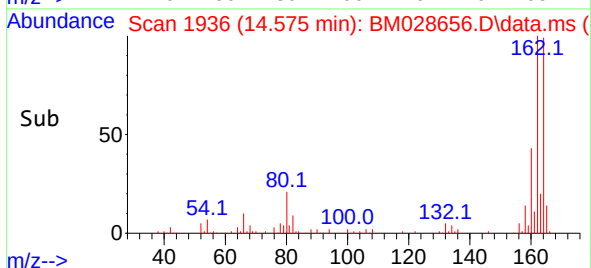
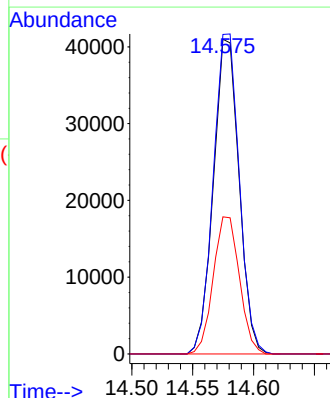
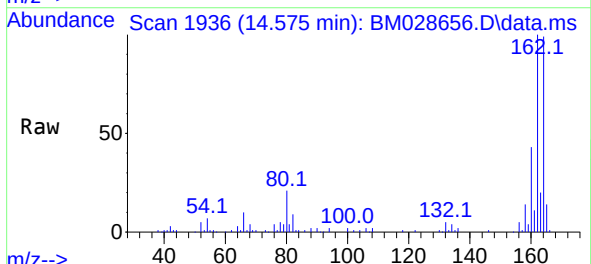
Manual Integrations
APPROVED

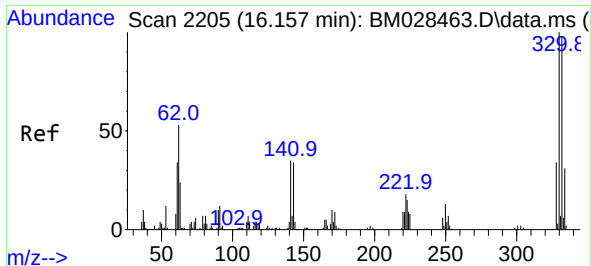
mohammad
2/8/2021 12:16:52 PM



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.575 min Scan# 1936
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

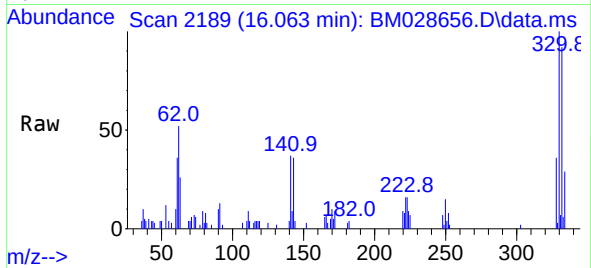
Tgt Ion:	164	Resp:	60099
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.4	120.6
160	43.6	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 12.36 ng
RT: 16.063 min Scan# 2189
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

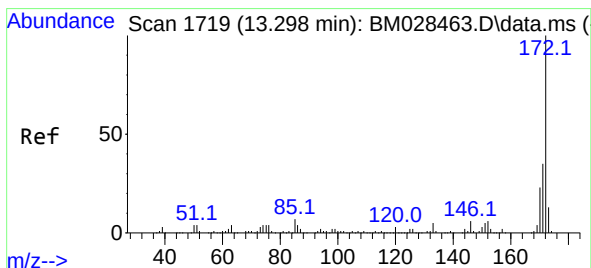
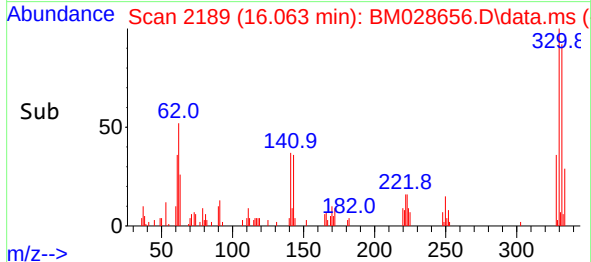
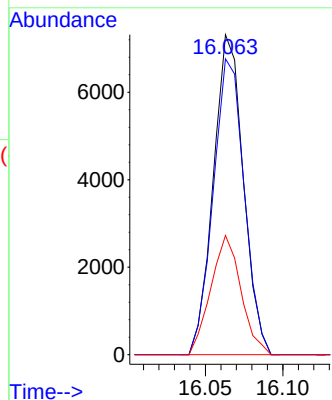
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002



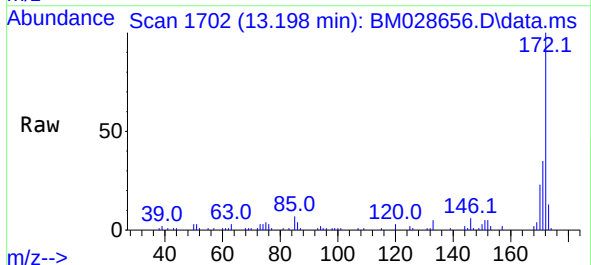
Tgt Ion:330 Resp: 9845
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.8
141 37.5 28.4 42.6

Manual Integrations
APPROVED

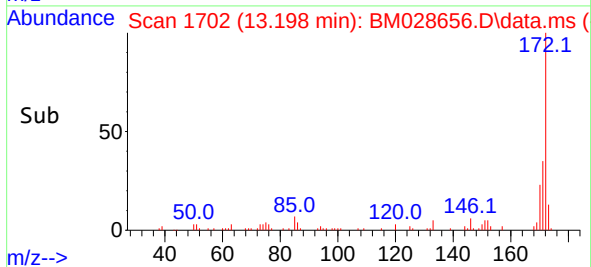
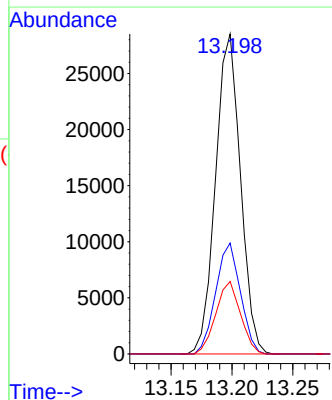
mohammad
2/8/2021 12:16:52 PM

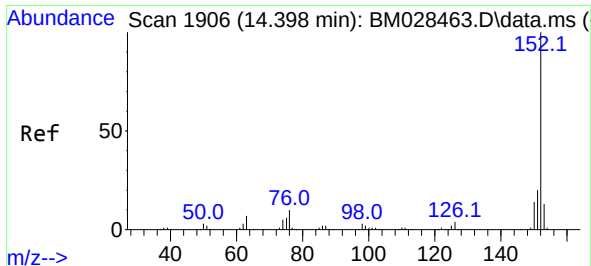


#45
2-Fluorobiphenyl
Concen: 8.47 ng
RT: 13.198 min Scan# 1702
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

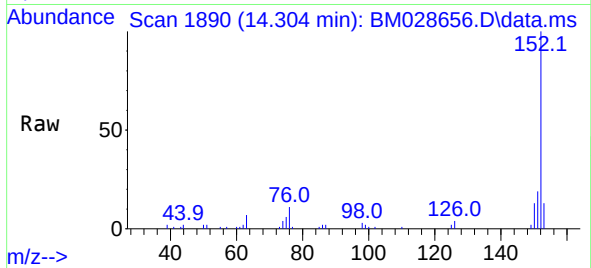


Tgt Ion:172 Resp: 40559
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.8
170 22.7 18.6 27.8

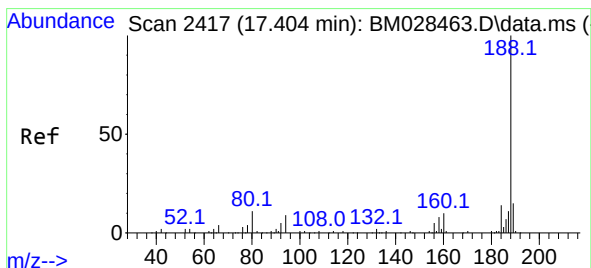
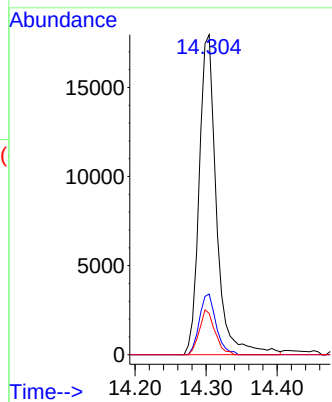
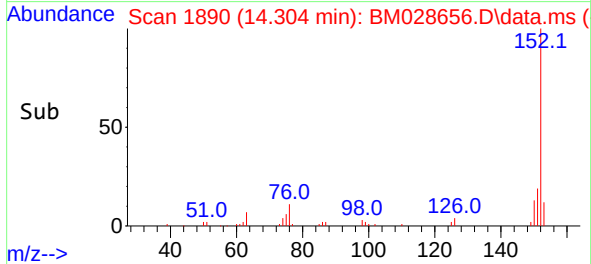




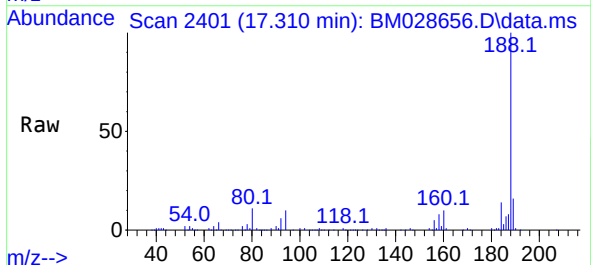
#49
Acenaphthylene
Concen: 4.91 ng
RT: 14.304 min Scan# 1890
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16



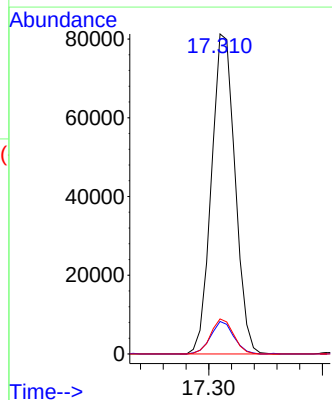
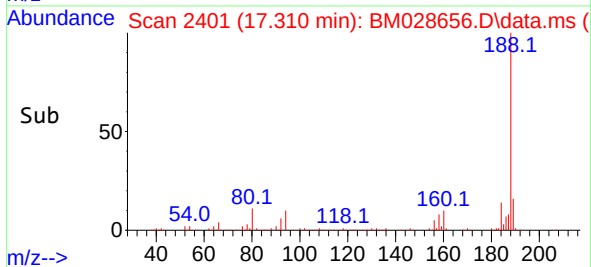
Tgt Ion:152 Resp: 30530
Ion Ratio Lower Upper
152 100
151 19.0 15.8 23.6
153 12.9 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.310 min Scan# 2401
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16



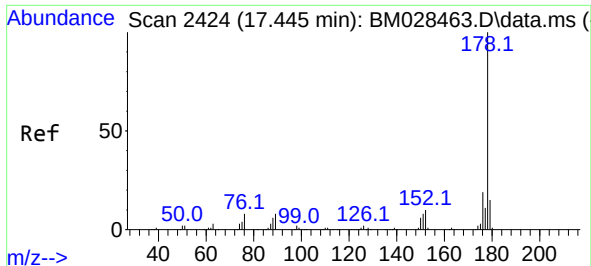
Tgt Ion:188 Resp: 117365
Ion Ratio Lower Upper
188 100
94 10.2 6.2 9.4#
80 10.9 7.5 11.3



Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

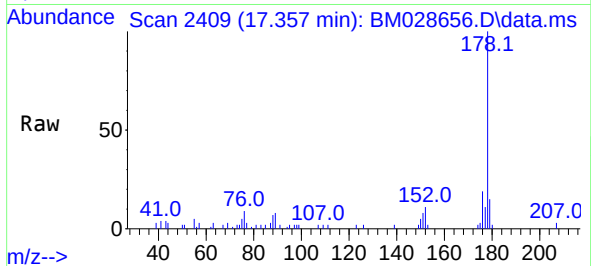
Manual Integrations
APPROVED

mohammad
2/8/2021 12:16:52 PM



#71
Phenanthrene
Concen: 2.12 ng
RT: 17.357 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

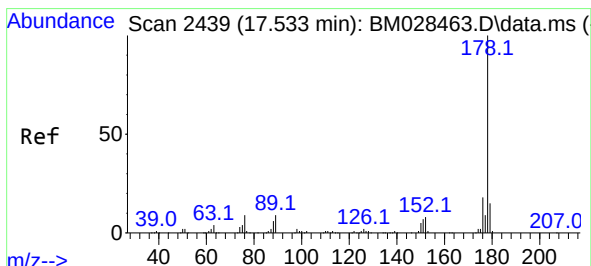
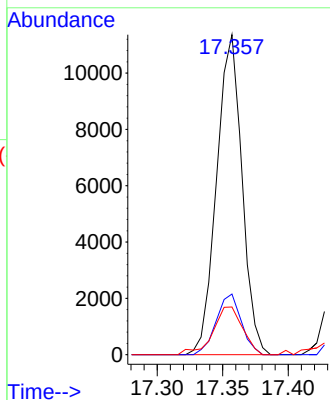
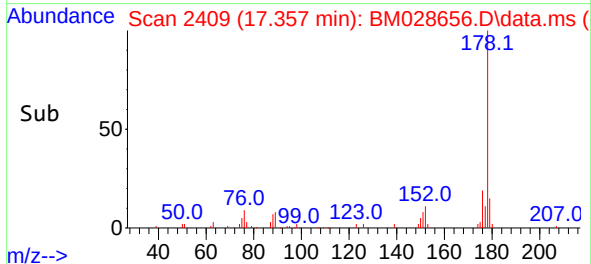
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002



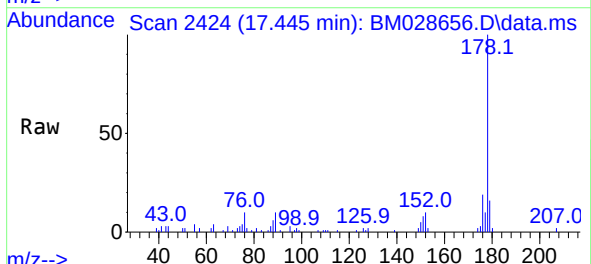
Tgt Ion:178 Resp: 15277
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 14.9 12.2 18.4

Manual Integrations
APPROVED

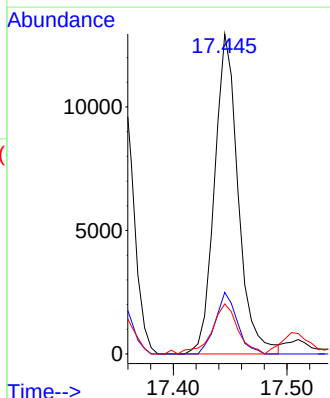
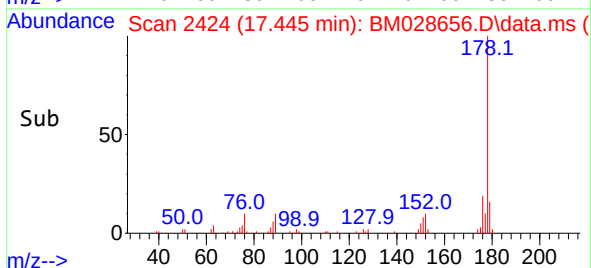
mohammad
2/8/2021 12:16:52 PM

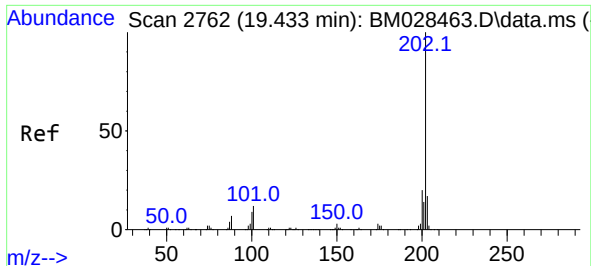


#72
Anthracene
Concen: 2.69 ng
RT: 17.445 min Scan# 2424
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16



Tgt Ion:178 Resp: 18789
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.4
179 15.6 12.5 18.7





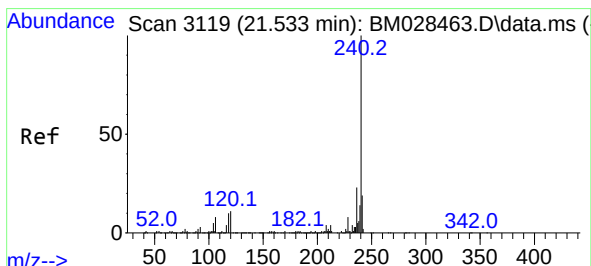
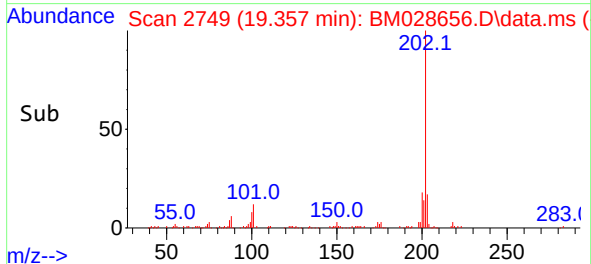
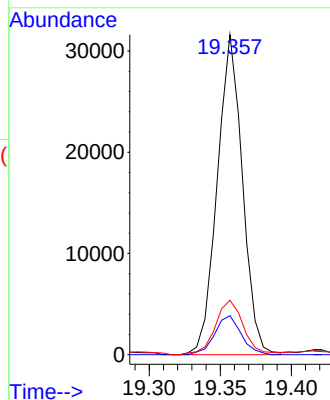
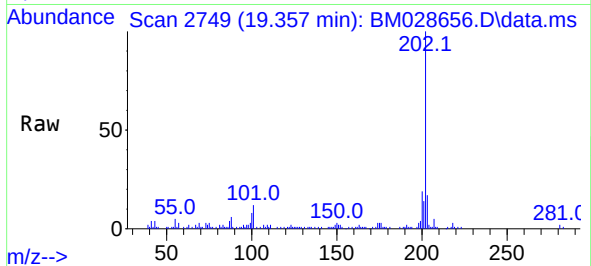
#75
Fluoranthene
Concen: 4.82 ng
RT: 19.357 min Scan# 2749
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

Tgt Ion:	202	Resp:	39050
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	28.5
203	17.0	0.0	37.3

Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

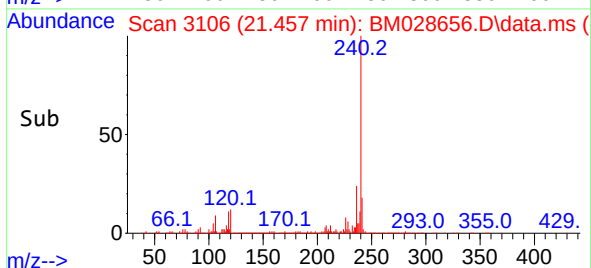
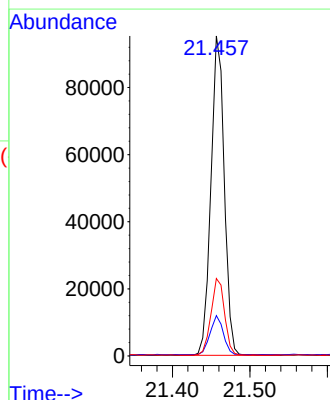
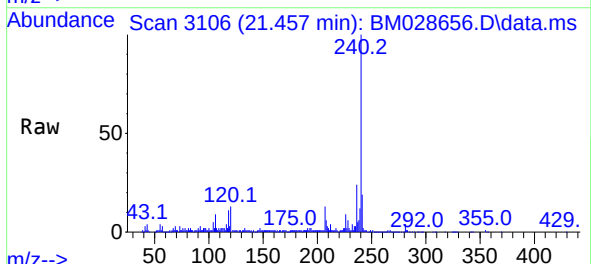
Manual Integrations
APPROVED

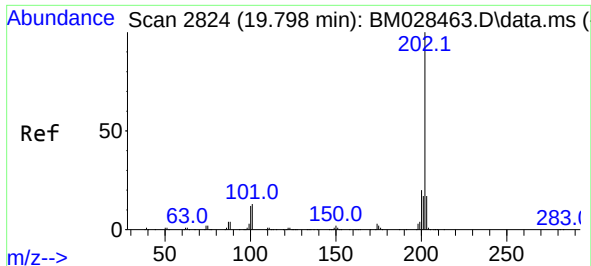
mohammad
2/8/2021 12:16:52 PM



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.457 min Scan# 3106
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

Tgt Ion:	240	Resp:	114041
Ion Ratio	Lower	Upper	
240	100		
120	12.6	6.4	9.6#
236	24.2	20.1	30.1





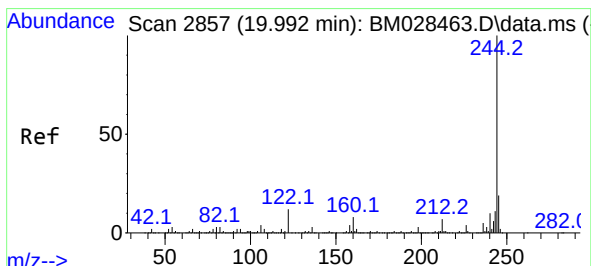
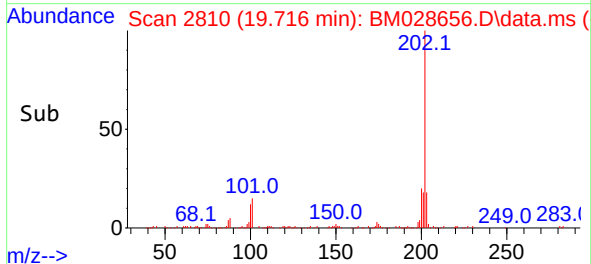
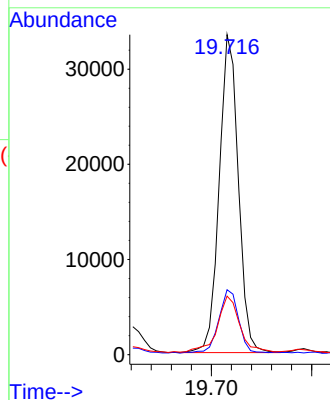
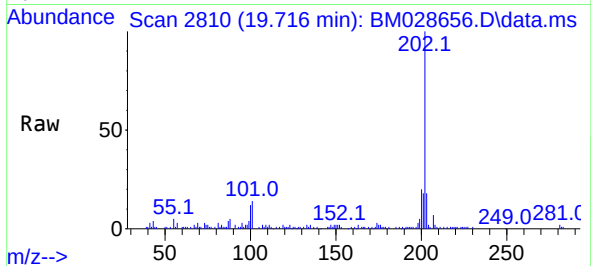
#78
Pyrene
Concen: 5.39 ng
RT: 19.716 min Scan# 2810
Delta R.T. -0.012 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

Tgt Ion:	202	Resp:	44089
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.6	24.8
203	18.3	13.8	20.6

Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

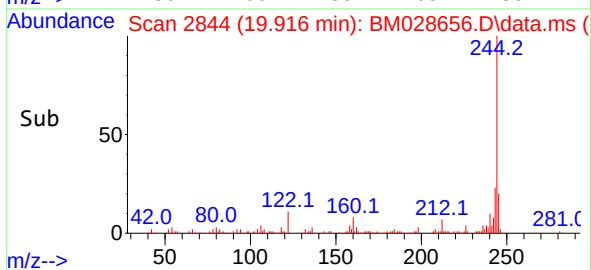
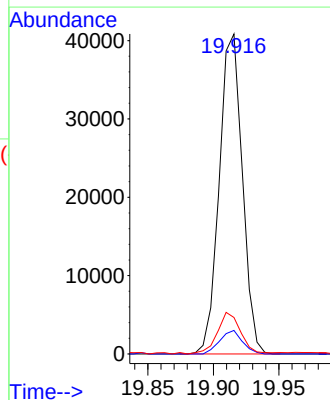
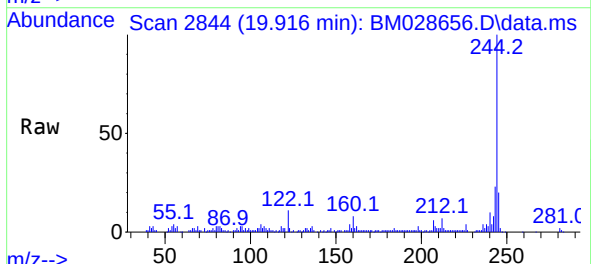
Manual Integrations
APPROVED

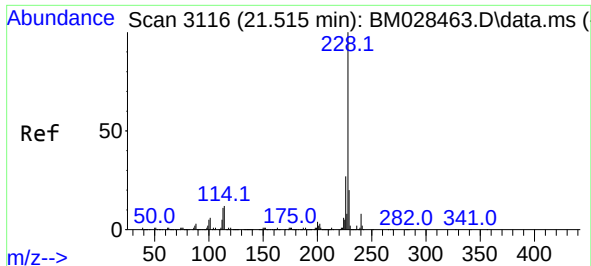
mohammad
2/8/2021 12:16:52 PM



#79
Terphenyl-d14
Concen: 7.91 ng
RT: 19.916 min Scan# 2844
Delta R.T. -0.006 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

Tgt Ion:	244	Resp:	49978
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.8	8.8
122	11.4	6.5	9.7#





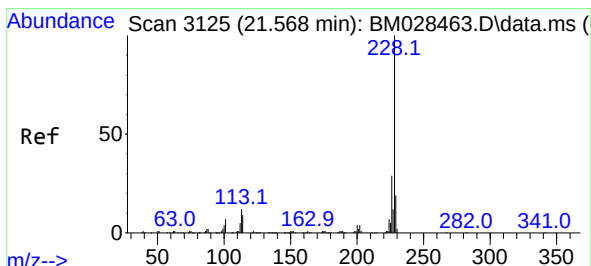
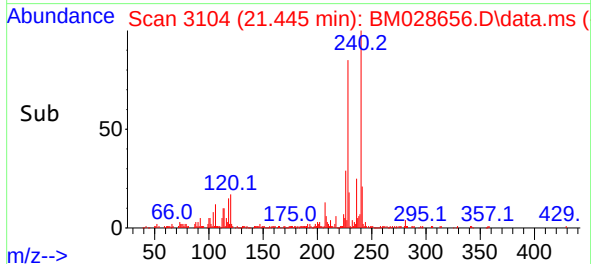
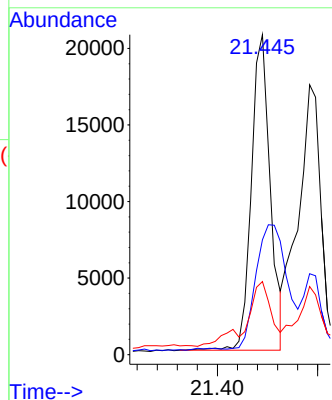
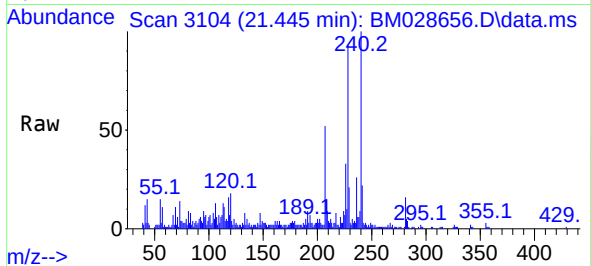
#81
Benzo(a)anthracene
Concen: 3.42 ng
RT: 21.445 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

Tgt Ion:228 Resp: 26915
Ion Ratio Lower Upper
228 100
226 35.9 21.1 31.7#
229 22.9 15.7 23.5

Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

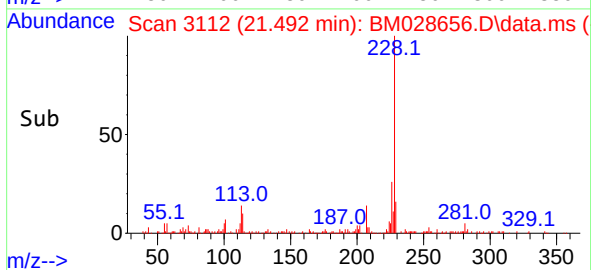
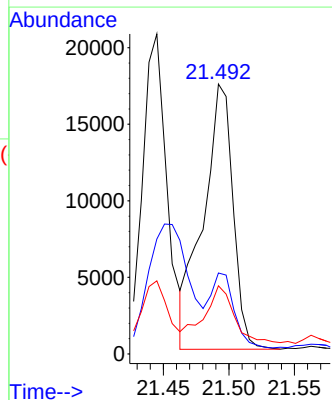
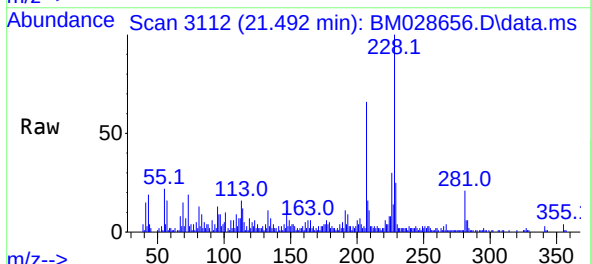
Manual Integrations
APPROVED

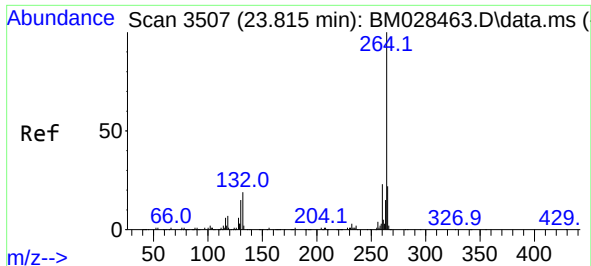
mohammad
2/8/2021 12:16:52 PM



#83
Chrysene
Concen: 3.62 ng
RT: 21.492 min Scan# 3112
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

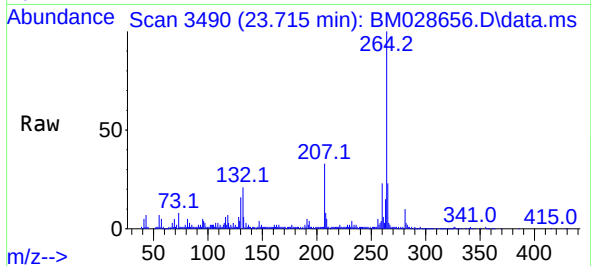
Tgt Ion:228 Resp: 27535
Ion Ratio Lower Upper
228 100
226 30.0 23.4 35.0
229 25.2 15.7 23.5#





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.715 min Scan# 3490
Delta R.T. -0.011 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

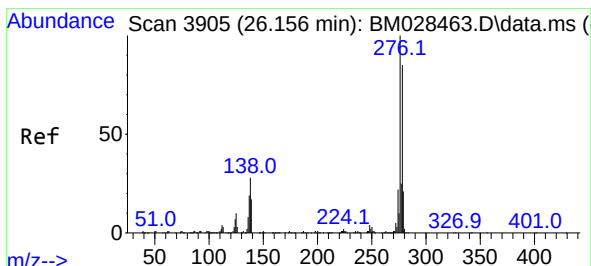
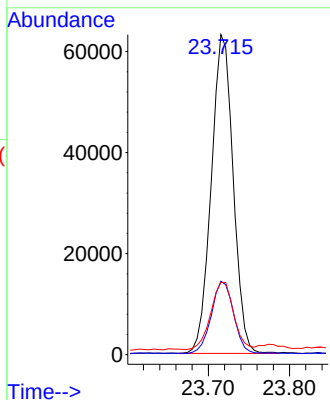
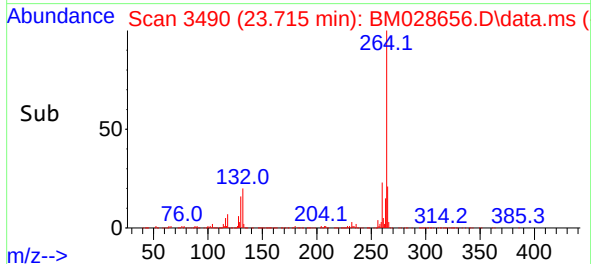
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002



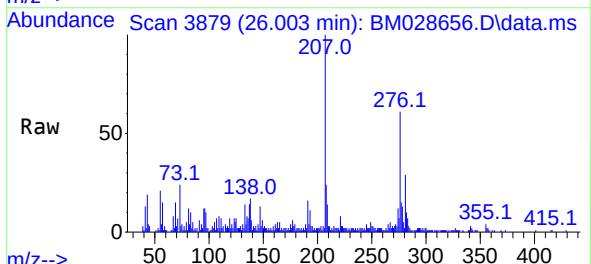
Tgt Ion:264 Resp: 118370
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.4
265 22.6 17.7 26.5

Manual Integrations
APPROVED

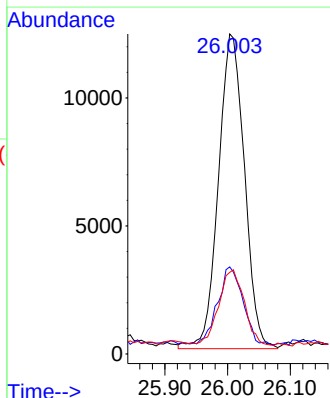
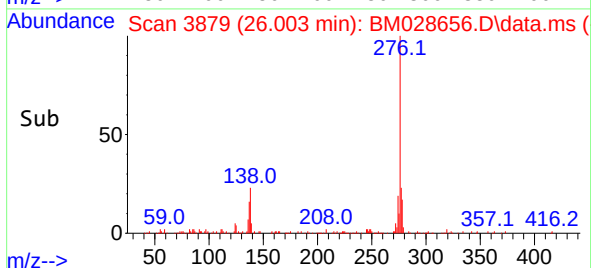
mohammad
2/8/2021 12:16:52 PM

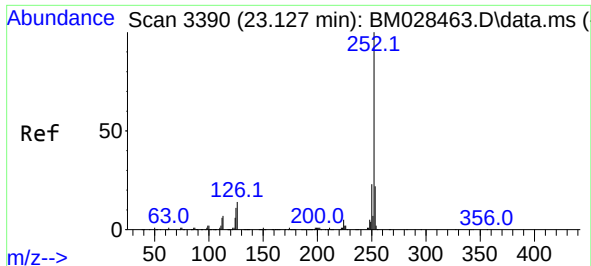


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.01 ng m
RT: 26.003 min Scan# 3879
Delta R.T. -0.029 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16



Tgt Ion:276 Resp: 35384
Ion Ratio Lower Upper
276 100
138 2.1 14.2 21.4#
277 3.4 19.8 29.8#





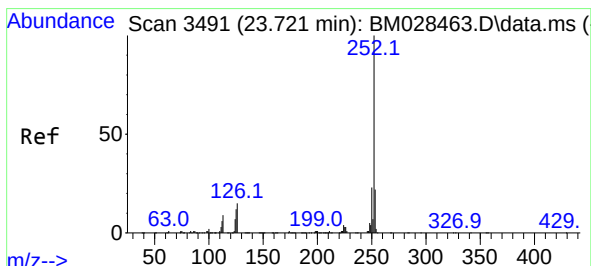
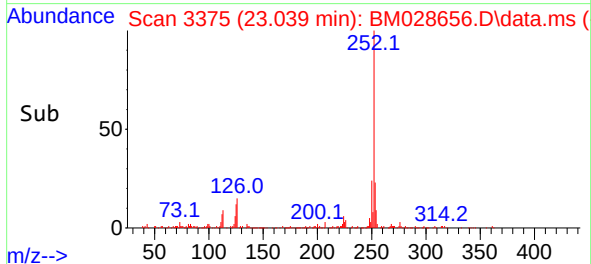
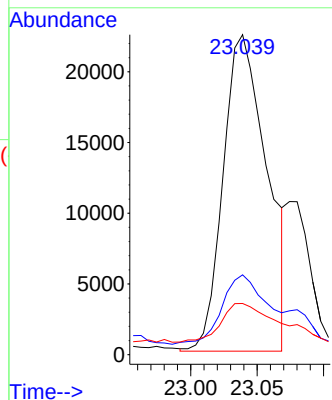
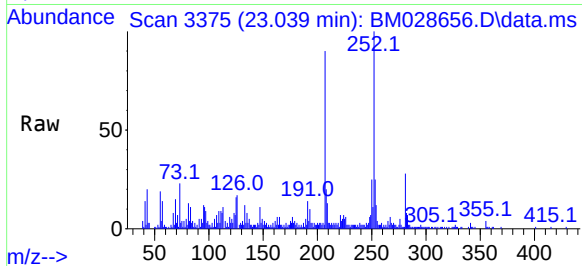
#88
Benzo(b)fluoranthene
Concen: 6.37 ng m
RT: 23.039 min Scan# 3375
Delta R.T. -0.012 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

Tgt Ion:252 Resp: 51213
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 16.0 5.7 8.5#

Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

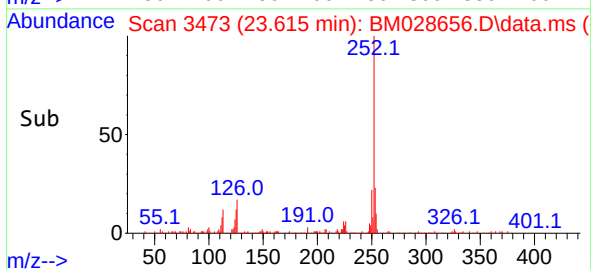
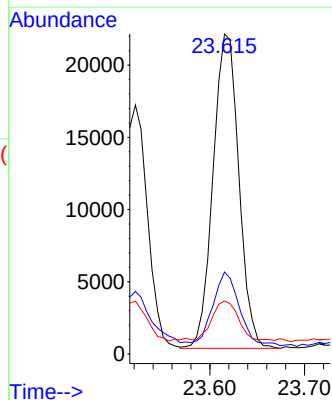
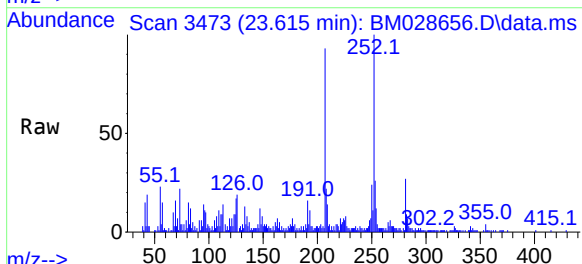
Manual Integrations
APPROVED

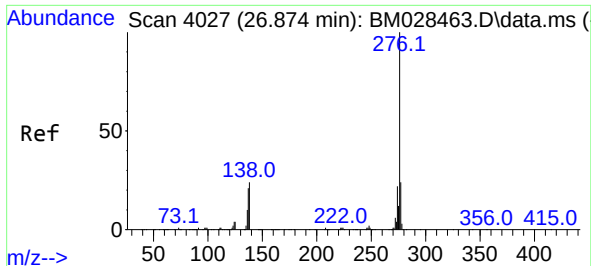
mohammad
2/8/2021 12:16:52 PM



#90
Benzo(a)pyrene
Concen: 5.53 ng
RT: 23.615 min Scan# 3473
Delta R.T. -0.017 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

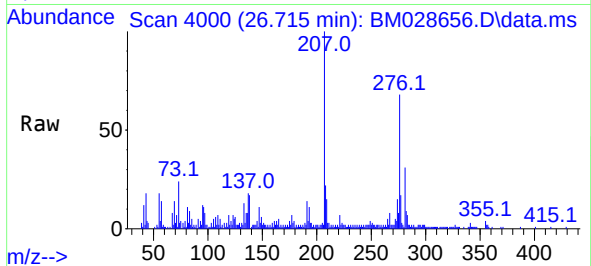
Tgt Ion:252 Resp: 41206
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 16.6 6.6 9.8#





#92
Benzo(g,h,i)perylene
Concen: 6.10 ng
RT: 26.715 min Scan# 4000
Delta R.T. -0.017 min
Lab File: BM028656.D
Acq: 04 Feb 2021 16:16

Instrument :
BNA_M
ClientSampleId :
OU421-007-0002



Tgt Ion: 276 Resp: 43770
Ion Ratio Lower Upper
276 100
277 24.6 18.6 28.0
138 25.1 12.2 18.2#

Manual Integrations
APPROVED

mohammad
2/8/2021 12:16:52 PM

