

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030921\
 Data File : BM029059.D
 Acq On : 09 Mar 2021 23:09
 Operator : CG/JU
 Sample : M1600-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BIN-4

Manual Integrations
 APPROVED

mohammad
 3/10/2021 11:53:15 AM

Quant Time: Mar 10 01:52:54 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 09 10:08:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	12351	20.00	ng	0.00
21) Naphthalene-d8	10.457	136	46282	20.00	ng	# 0.00
39) Acenaphthene-d10	14.333	164	26124	20.00	ng	0.00
64) Phenanthrene-d10	17.080	188	51613	20.00	ng	0.00
76) Chrysene-d12	21.256	240	51594	20.00	ng	# 0.00
86) Perylene-d12	23.415	264	53614	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.240	112	72266	96.98	ng	0.00
7) Phenol-d6	6.863	99	86033	87.41	ng	0.00
23) Nitrobenzene-d5	8.839	82	56343	65.68	ng	0.00
42) 2,4,6-Tribromophenol	15.833	330	29381	94.89	ng	0.00
45) 2-Fluorobiphenyl	12.945	172	125831	64.12	ng	0.00
79) Terphenyl-d14	19.709	244	175214	62.71	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.892	94	2576	2.63	ng	96
52) Acenaphthene	14.398	154	4102	2.55	ng	97
55) Dibenzofuran	14.739	168	5122	2.03	ng	99
58) Fluorene	15.386	166	7394	3.65	ng	# 97
71) Phenanthrene	17.121	178	54012	17.57	ng	98
72) Anthracene	17.215	178	23022	7.56	ng	99
75) Fluoranthene	19.139	202	80829	23.93	ng	98
78) Pyrene	19.503	202	76223	20.11	ng	99
81) Benzo(a)anthracene	21.244	228	40128	11.21	ng	98
83) Chrysene	21.291	228	36243	10.39	ng	97
87) Indeno(1,2,3-cd)pyrene	25.574	276	25543m	6.31	ng	
88) Benzo(b)fluoranthene	22.774	252	49351m	13.03	ng	
89) Benzo(k)fluoranthene	22.815	252	15514m	4.31	ng	
90) Benzo(a)pyrene	23.327	252	39325	11.38	ng	# 94
91) Dibenzo(a,h)anthracene	25.568	278	7238	2.06	ng	# 67
92) Benzo(g,h,i)perylene	26.226	276	26744	7.88	ng	# 92

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

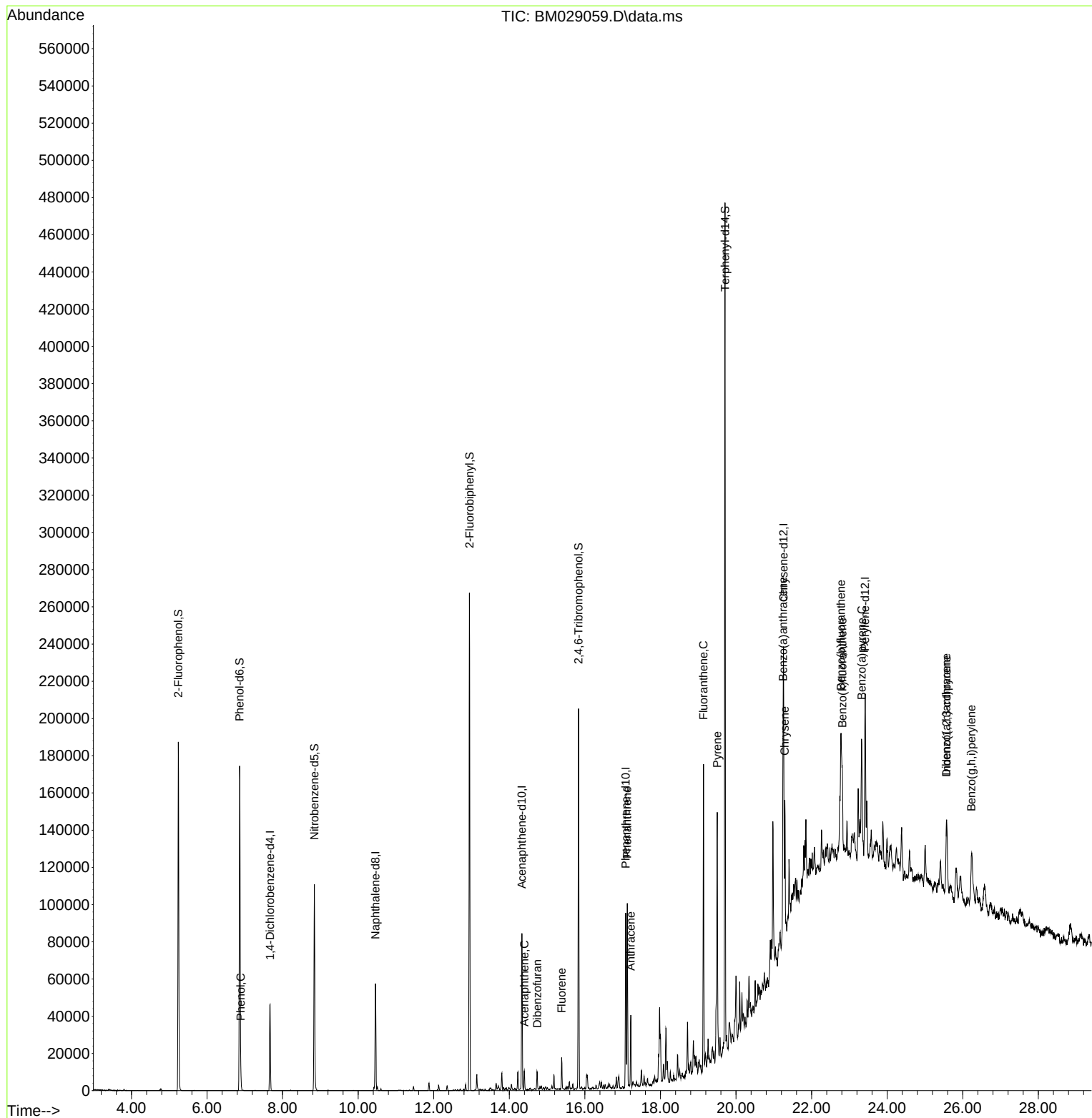
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030921\
Data File : BM029059.D
Acq On : 09 Mar 2021 23:09
Operator : CG/JU
Sample : M1600-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

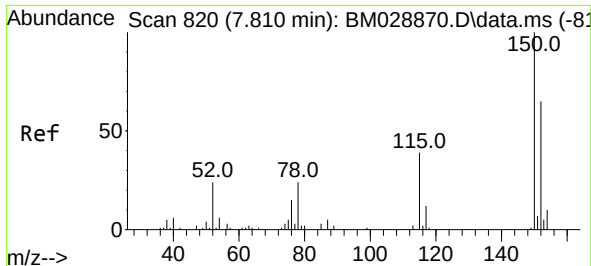
Instrument :
BNA_M
ClientSampled :
BIN-4

Manual Integrations
APPROVED

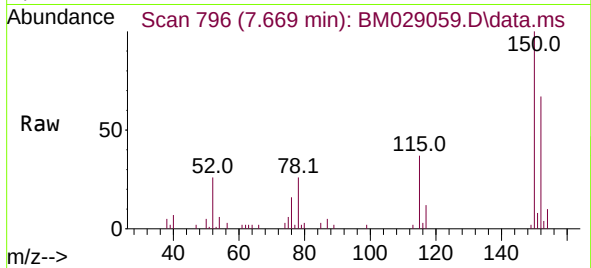
mohammad
3/10/2021 11:53:15 AM

Quant Time: Mar 10 01:52:54 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 09 10:08:02 2021
Response via : Initial Calibration

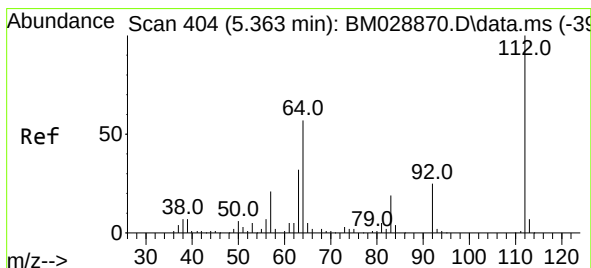
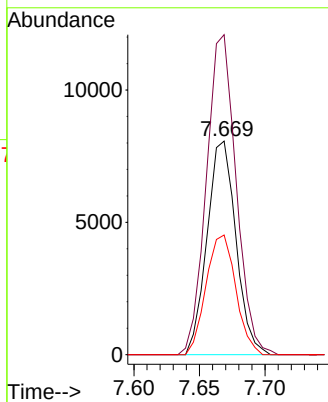
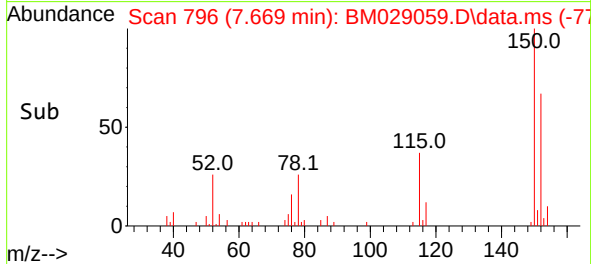




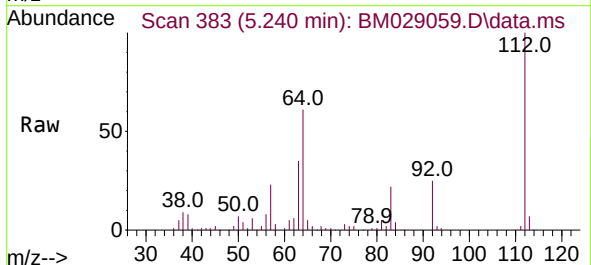
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09



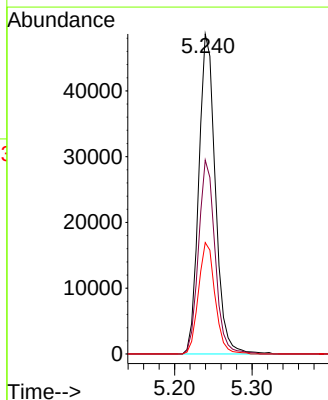
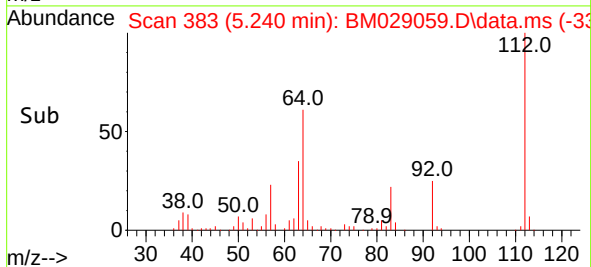
Tgt Ion:152 Resp: 12351
Ion Ratio Lower Upper
152 100
150 149.8 120.6 181.0
115 56.0 47.2 70.8



#5
2-Fluorophenol
Concen: 96.98 ng
RT: 5.240 min Scan# 383
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09



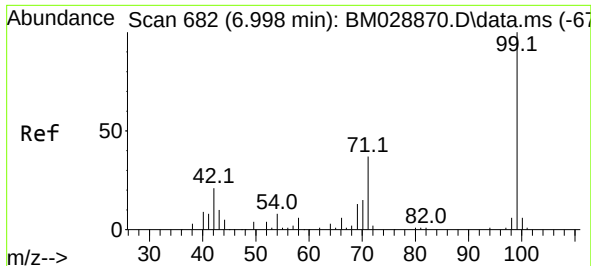
Tgt Ion:112 Resp: 72266
Ion Ratio Lower Upper
112 100
64 60.6 50.6 76.0
63 34.8 31.0 46.6



Instrument :
BNA_M
ClientSampleId :
BIN-4

Manual Integrations
APPROVED

mohammad
3/10/2021 11:53:15 AM



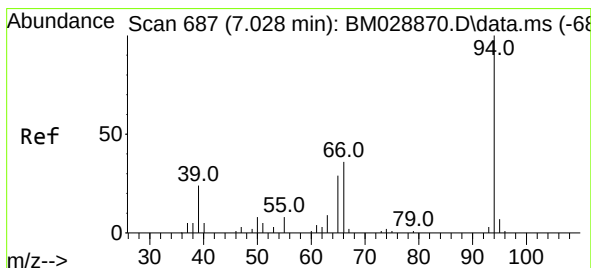
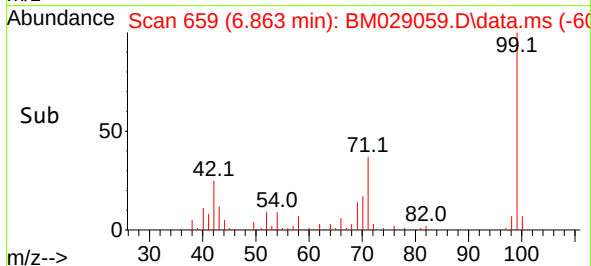
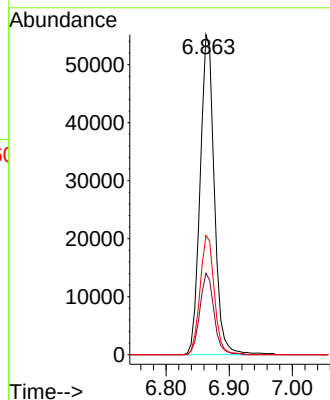
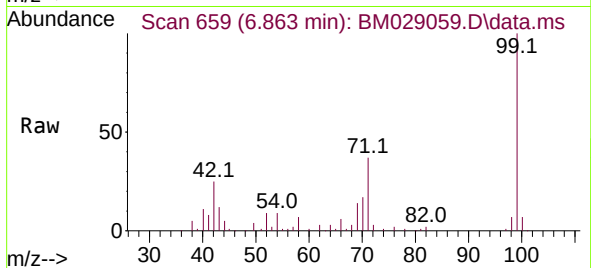
#7
Phenol-d6
Concen: 87.41 ng
RT: 6.863 min Scan# 659
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion: 99 Resp: 86033
Ion Ratio Lower Upper
99 100
42 25.4 13.5 20.3#
71 37.3 39.4 59.0#

Instrument :
BNA_M
ClientSampled :
BIN-4

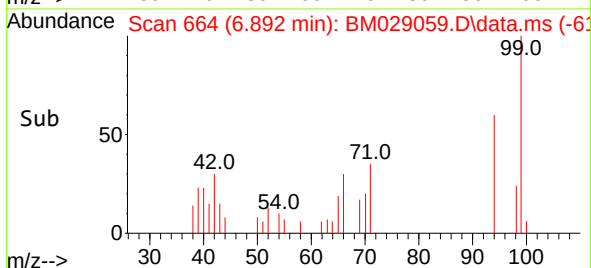
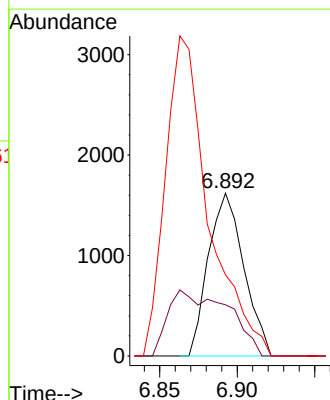
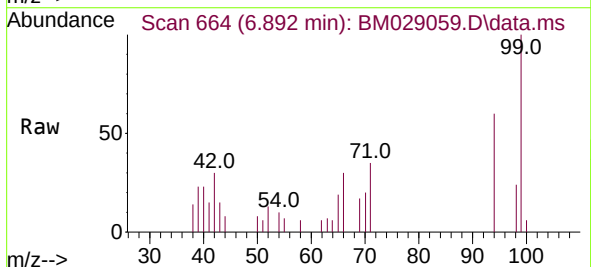
Manual Integrations
APPROVED

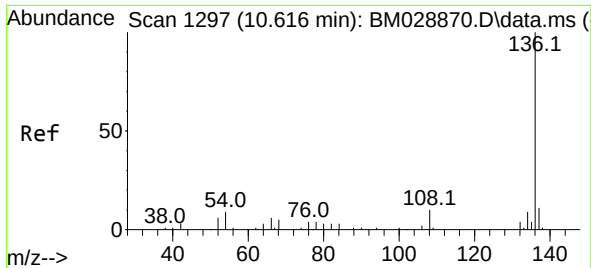
mohammad
3/10/2021 11:53:15 AM



#10
Phenol
Concen: 2.63 ng
RT: 6.892 min Scan# 664
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion: 94 Resp: 2576
Ion Ratio Lower Upper
94 100
65 31.5 16.4 56.4
66 49.8 30.2 70.2





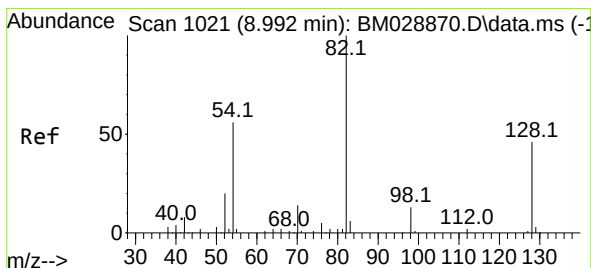
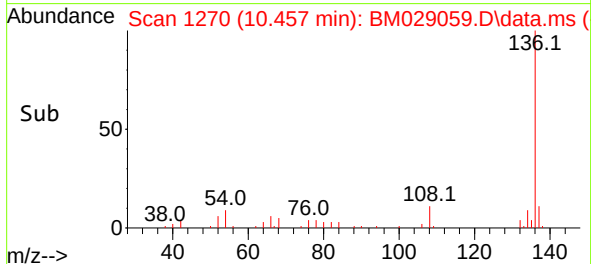
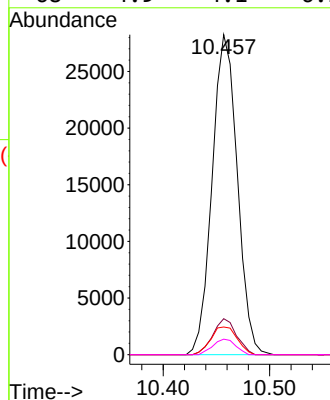
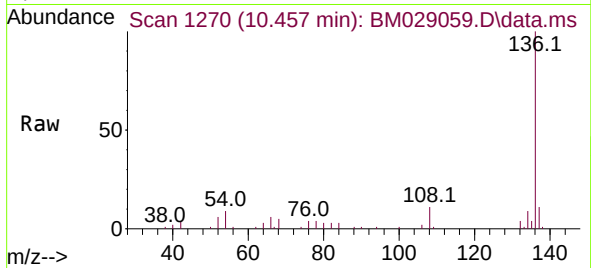
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:	136	Resp:	46282
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	12.8
54	8.7	4.6	7.0#
68	4.9	4.1	6.1

Instrument :
BNA_M
ClientSampled :
BIN-4

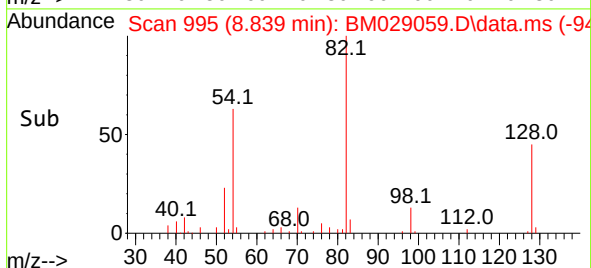
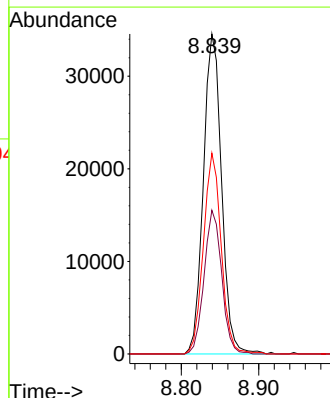
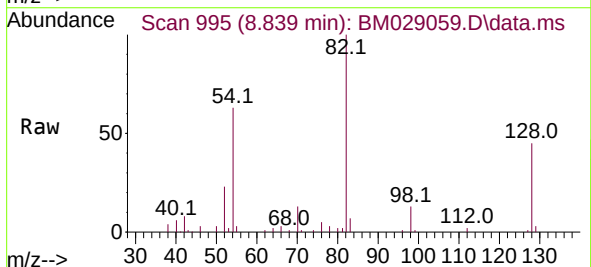
Manual Integrations
APPROVED

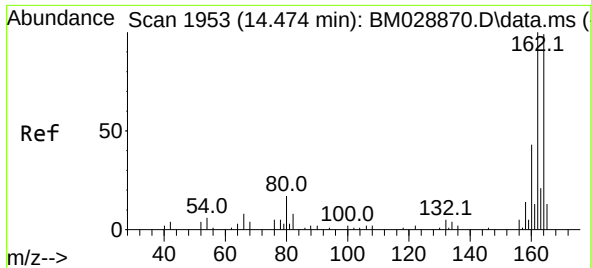
mohammad
3/10/2021 11:53:15 AM



#23
Nitrobenzene-d5
Concen: 65.68 ng
RT: 8.839 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

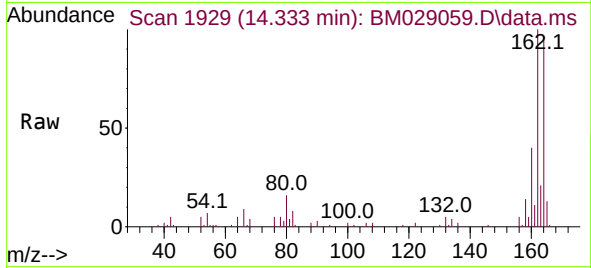
Tgt Ion:	82	Resp:	56343
Ion Ratio	Lower	Upper	
82	100		
128	44.9	27.4	41.0#
54	62.7	31.4	47.0#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.333 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

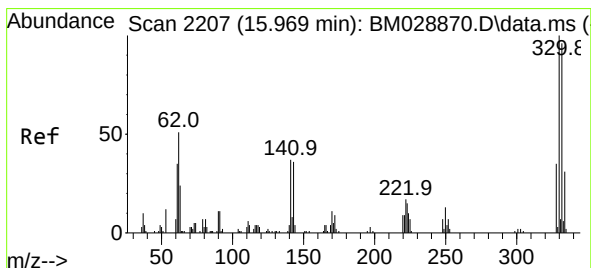
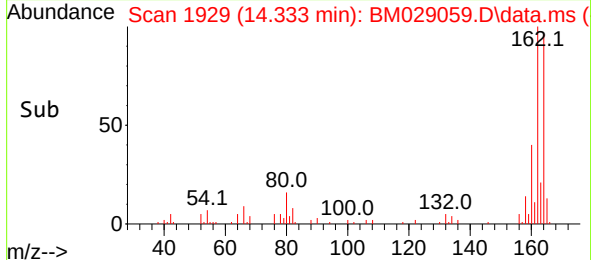
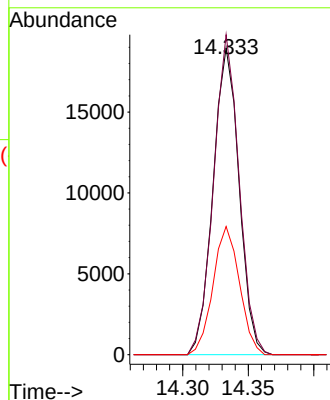
Instrument :
BNA_M
ClientSampled :
BIN-4



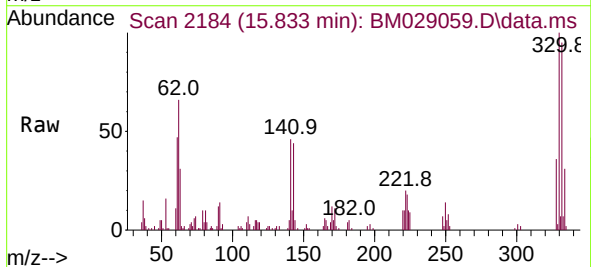
Tgt Ion:164 Resp: 26124
Ion Ratio Lower Upper
164 100
162 104.3 80.4 120.6
160 41.8 35.9 53.9

Manual Integrations
APPROVED

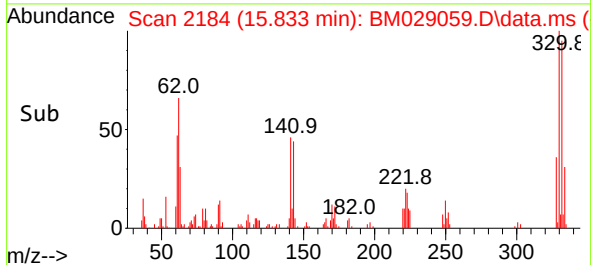
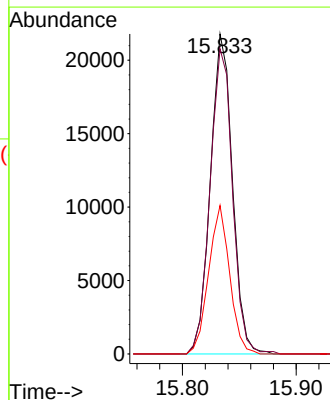
mohammad
3/10/2021 11:53:15 AM

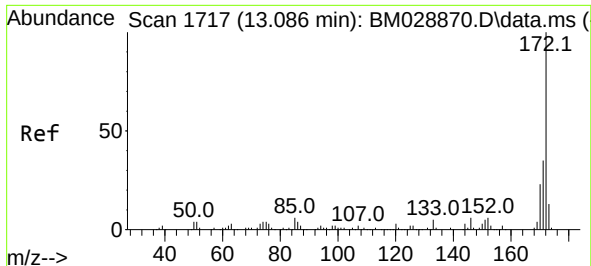


#42
2,4,6-Tribromophenol
Concen: 94.89 ng
RT: 15.833 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09



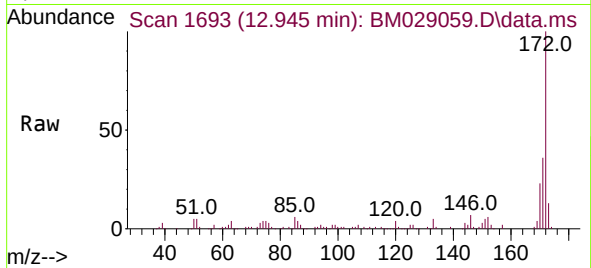
Tgt Ion:330 Resp: 29381
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.8
141 44.3 28.4 42.6#





#45
2-Fluorobiphenyl
Concen: 64.12 ng
RT: 12.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

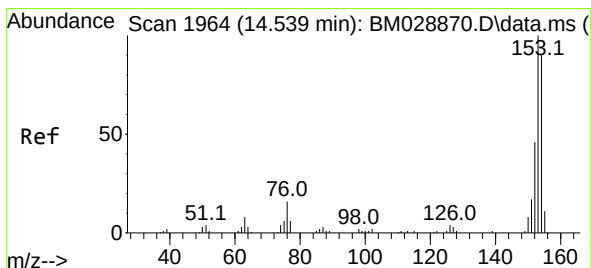
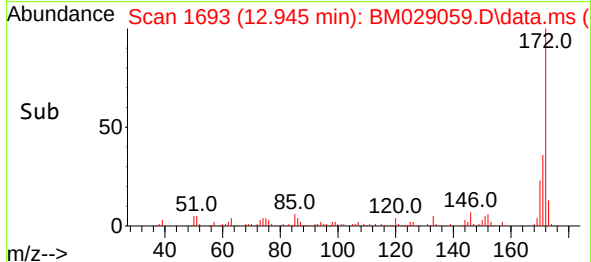
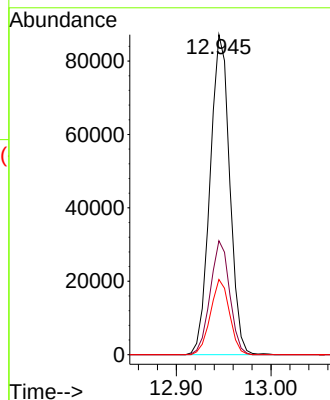
Instrument :
BNA_M
ClientSampled :
BIN-4



Tgt Ion:172 Resp: 125831
Ion Ratio Lower Upper
172 100
171 35.6 27.8 41.8
170 23.5 18.6 27.8

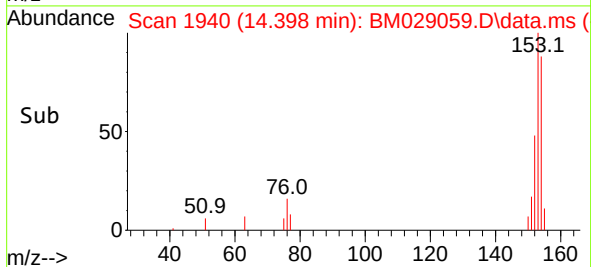
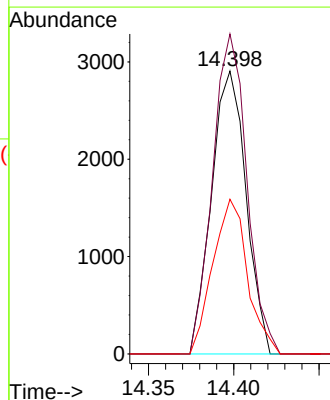
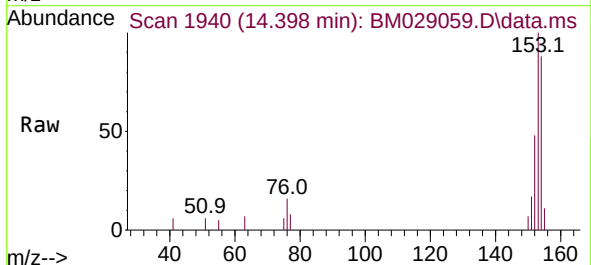
Manual Integrations
APPROVED

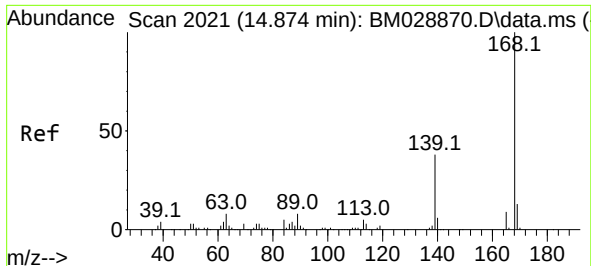
mohammad
3/10/2021 11:53:15 AM



#52
Acenaphthene
Concen: 2.55 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:154 Resp: 4102
Ion Ratio Lower Upper
154 100
153 113.1 88.3 132.5
152 54.7 41.4 62.2





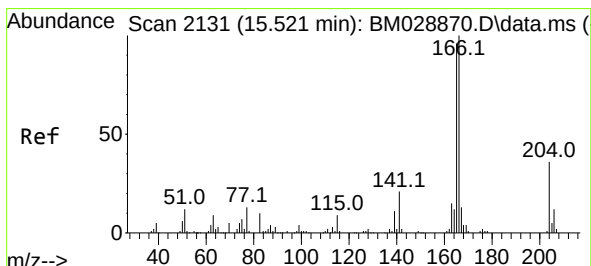
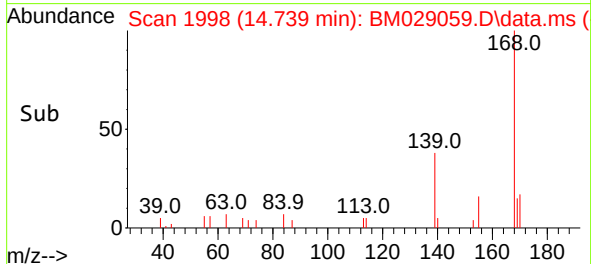
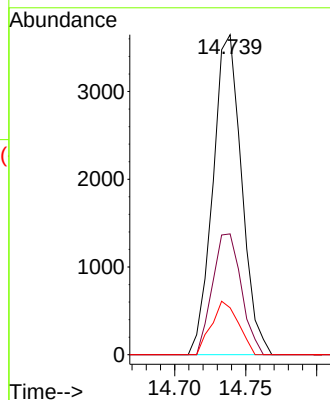
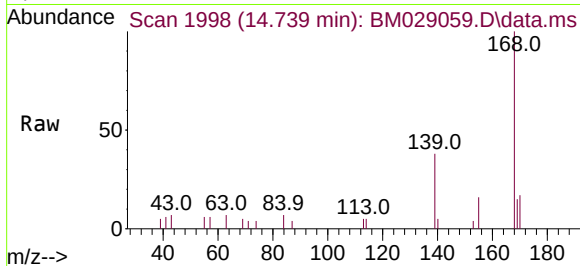
#55
Dibenzenofuran
Concen: 2.03 ng
RT: 14.739 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:	168	Resp:	5122
Ion Ratio	Lower	Upper	
168	100		
139	37.7	30.2	45.4
169	14.6	10.6	16.0

Instrument :
BNA_M
ClientSampled :
BIN-4

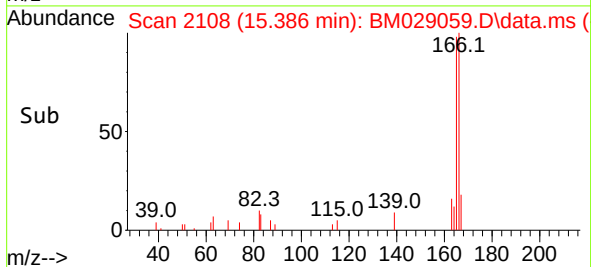
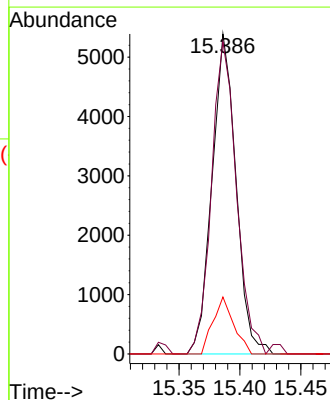
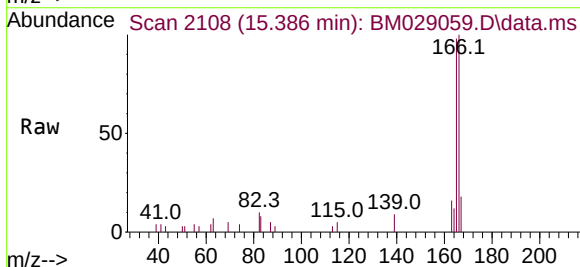
Manual Integrations
APPROVED

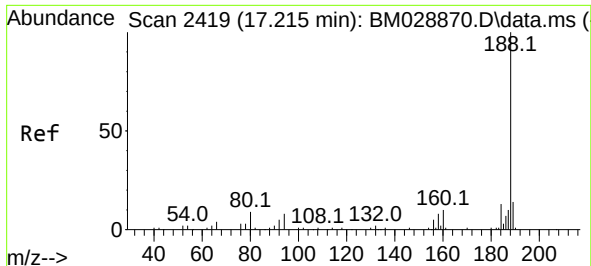
mohammad
3/10/2021 11:53:15 AM



#58
Fluorene
Concen: 3.65 ng
RT: 15.386 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:	166	Resp:	7394
Ion Ratio	Lower	Upper	
166	100		
165	97.6	76.2	114.2
167	17.8	10.7	16.1#





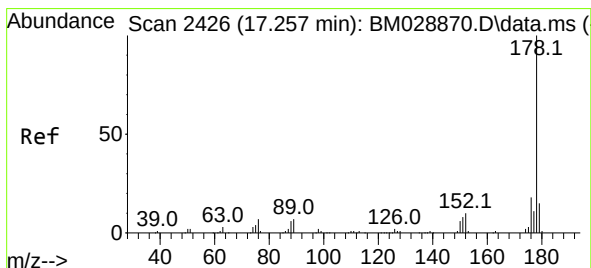
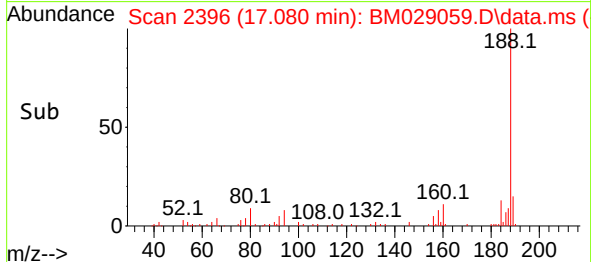
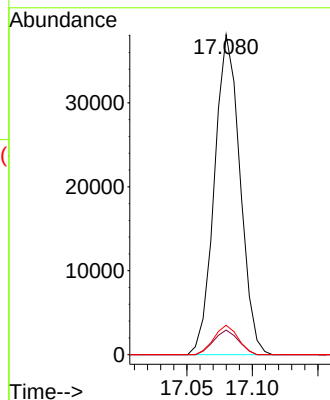
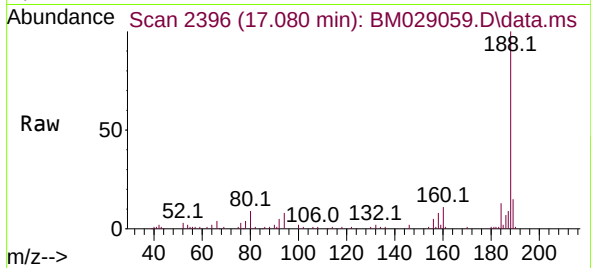
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.080 min Scan# 2396
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:188 Resp: 51613
Ion Ratio Lower Upper
188 100
94 7.7 6.2 9.4
80 9.2 7.5 11.3

Instrument :
BNA_M
ClientSampled :
BIN-4

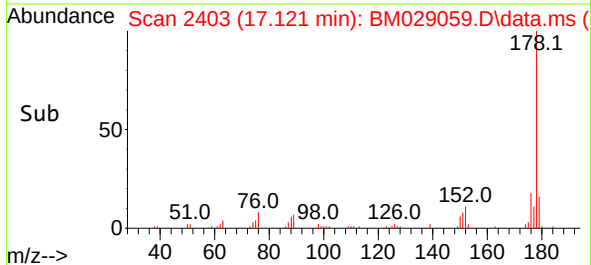
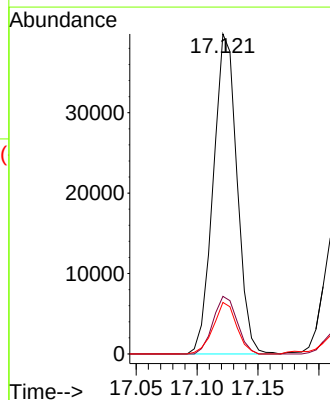
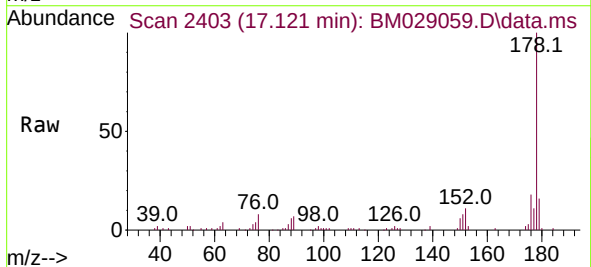
Manual Integrations
APPROVED

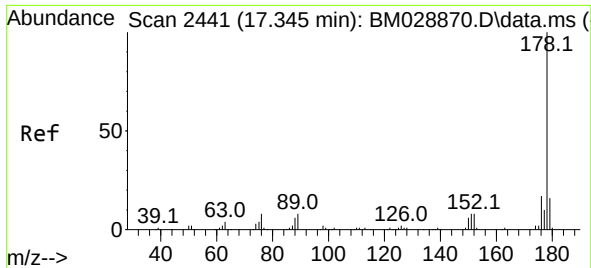
mohammad
3/10/2021 11:53:15 AM



#71
Phenanthrene
Concen: 17.57 ng
RT: 17.121 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

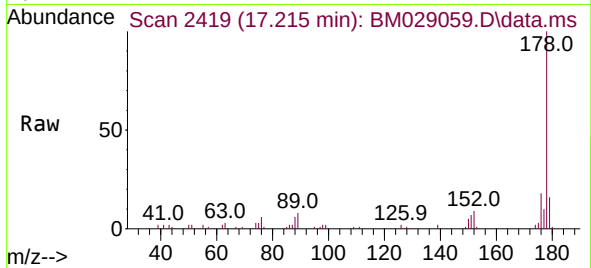
Tgt Ion:178 Resp: 54012
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.6
179 16.1 12.2 18.4





#72
 Anthracene
 Concen: 7.56 ng
 RT: 17.215 min Scan# 2419
 Delta R.T. -0.000 min
 Lab File: BM029059.D
 Acq: 09 Mar 2021 23:09

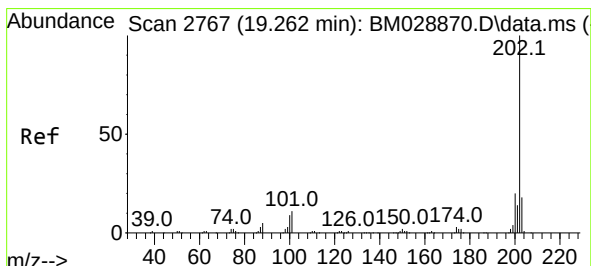
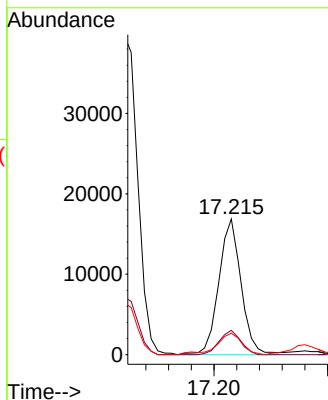
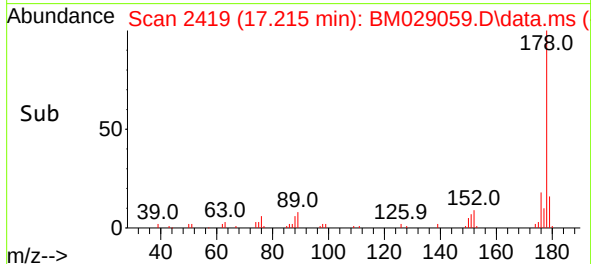
Instrument :
 BNA_M
 ClientSampled :
 BIN-4



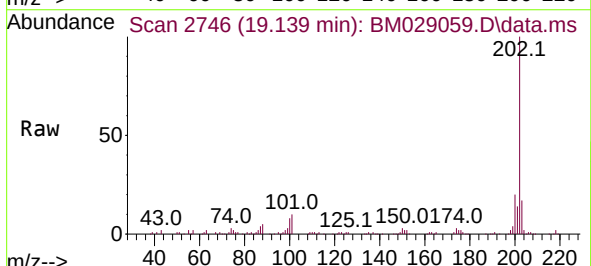
Tgt Ion:178 Resp: 23022
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.0 22.4
 179 15.8 12.5 18.7

Manual Integrations
 APPROVED

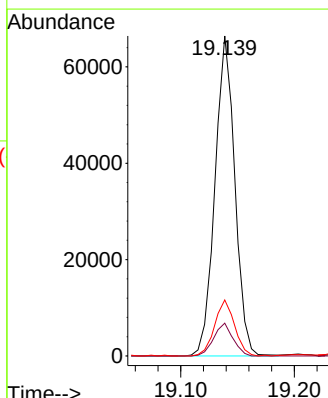
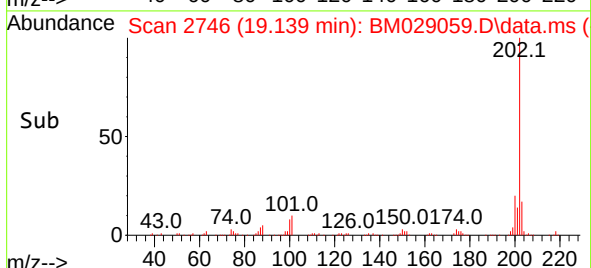
mohammad
 3/10/2021 11:53:15 AM

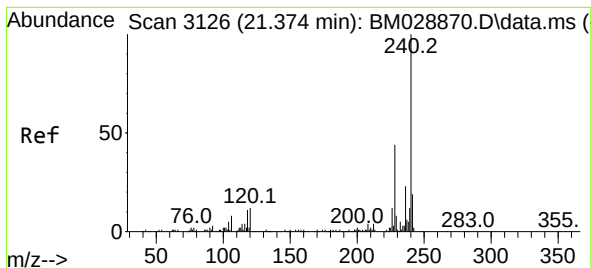


#75
 Fluoranthene
 Concen: 23.93 ng
 RT: 19.139 min Scan# 2746
 Delta R.T. -0.006 min
 Lab File: BM029059.D
 Acq: 09 Mar 2021 23:09



Tgt Ion:202 Resp: 80829
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 28.5
 203 17.5 0.0 37.3





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.256 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM029059.D

Acq: 09 Mar 2021 23:09

Tgt Ion:240 Resp: 51594
 Ion Ratio Lower Upper
 240 100
 120 11.5 6.4 9.6#
 236 25.3 20.1 30.1

Instrument :

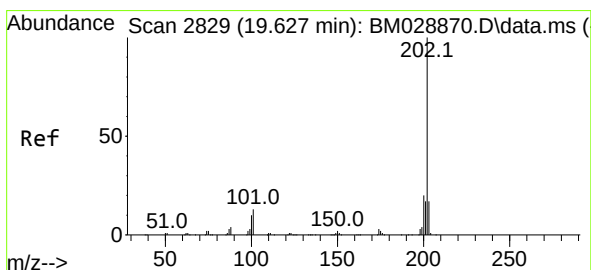
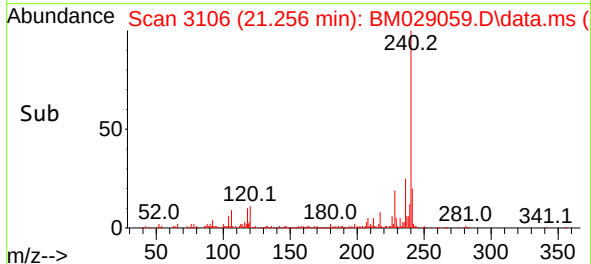
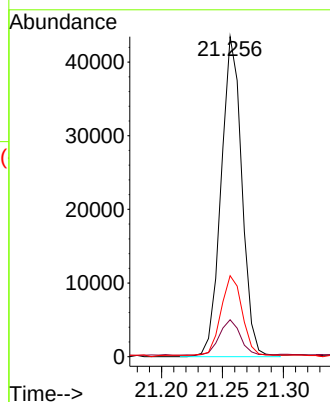
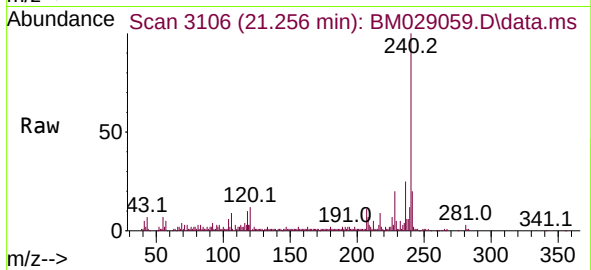
BNA_M

ClientSampleId :

BIN-4

Manual Integrations
 APPROVED

mohammad
 3/10/2021 11:53:15 AM



#78

Pyrene

Concen: 20.11 ng

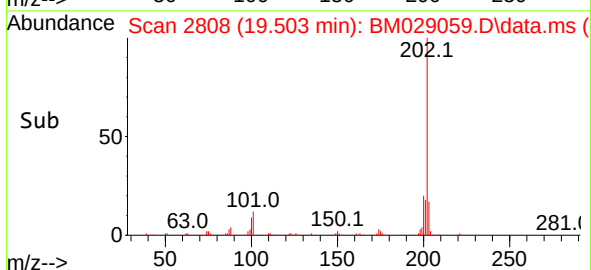
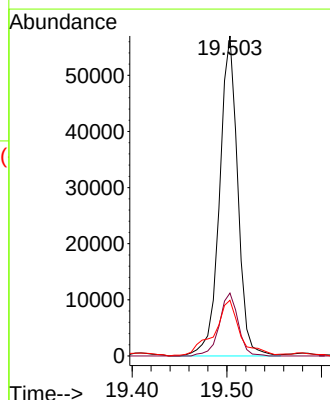
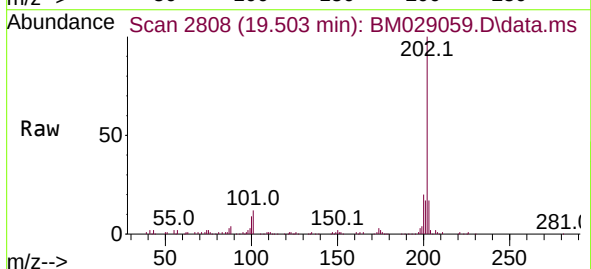
RT: 19.503 min Scan# 2808

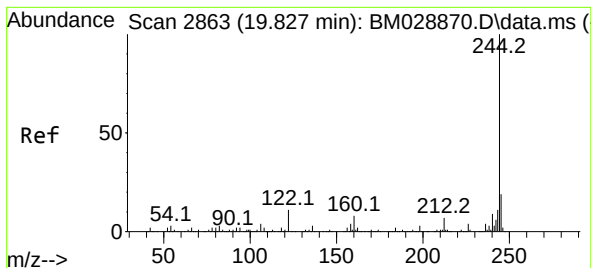
Delta R.T. -0.000 min

Lab File: BM029059.D

Acq: 09 Mar 2021 23:09

Tgt Ion:202 Resp: 76223
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.6 24.8
 203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 62.71 ng

RT: 19.709 min Scan# 2843

Delta R.T. -0.000 min

Lab File: BM029059.D

Acq: 09 Mar 2021 23:09

Tgt Ion:	244	Resp:	175214
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	10.8	6.5	9.7#

Instrument :

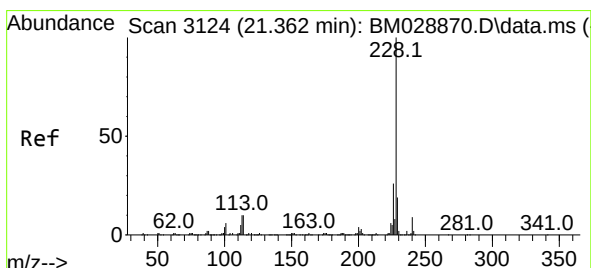
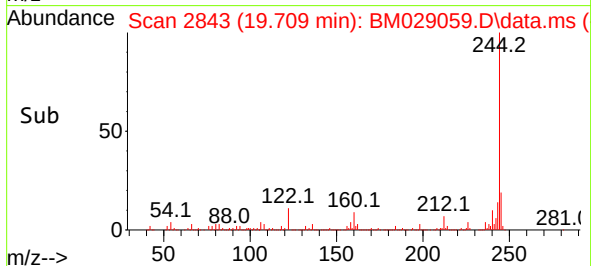
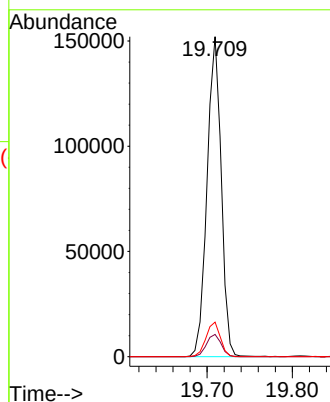
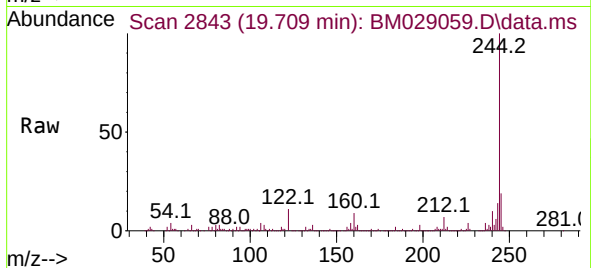
BNA_M

ClientSampled :

BIN-4

Manual Integrations
APPROVED

mohammad
3/10/2021 11:53:15 AM



#81

Benzo(a)anthracene

Concen: 11.21 ng

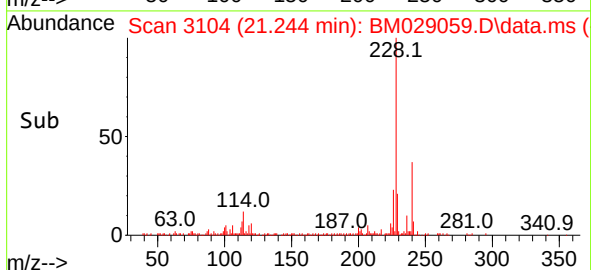
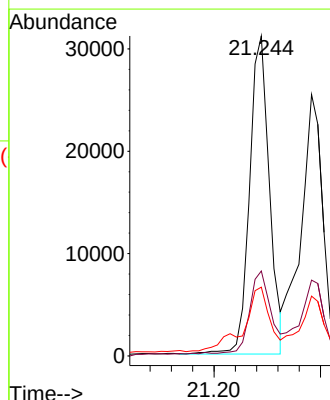
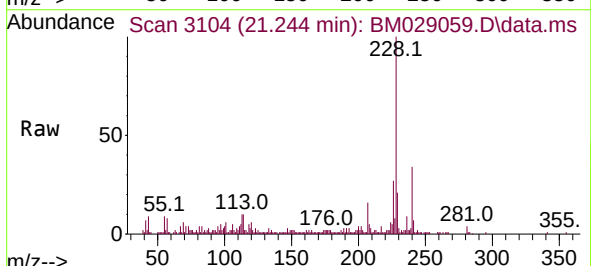
RT: 21.244 min Scan# 3104

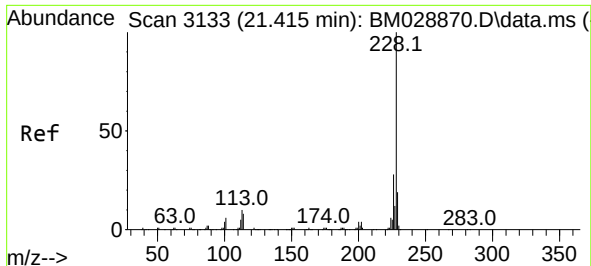
Delta R.T. -0.000 min

Lab File: BM029059.D

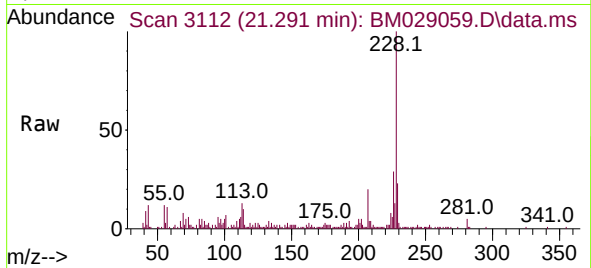
Acq: 09 Mar 2021 23:09

Tgt Ion:	228	Resp:	40128
Ion Ratio	Lower	Upper	
228	100		
226	26.6	21.1	31.7
229	21.5	15.7	23.5

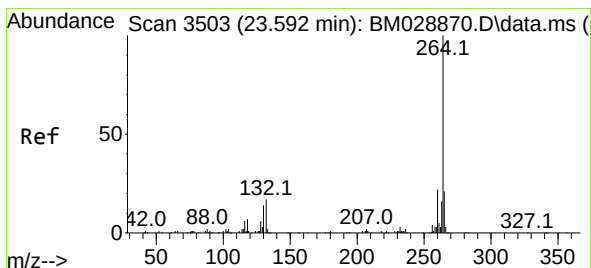
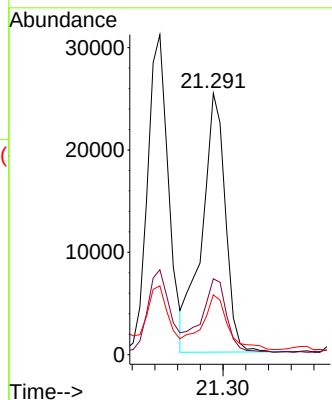
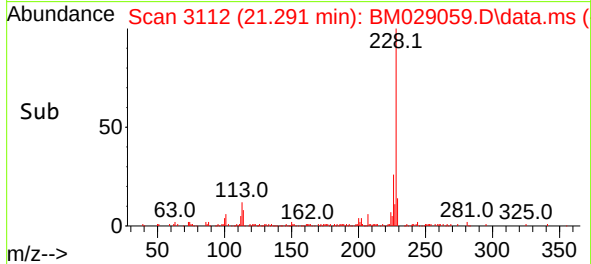




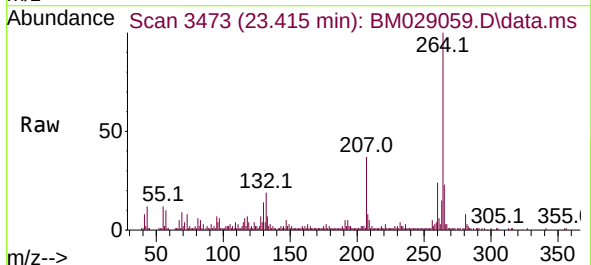
#83
Chrysene
Concen: 10.39 ng
RT: 21.291 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09



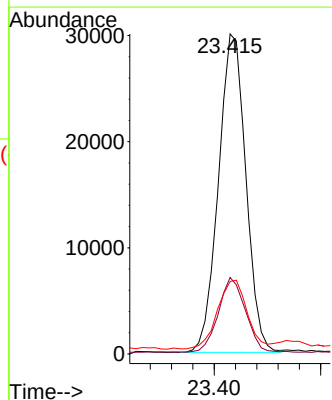
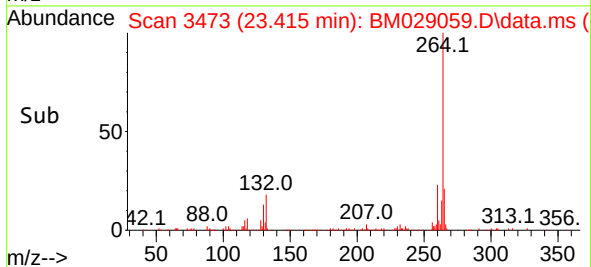
Tgt Ion:228 Resp: 36243
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.0
229 22.9 15.7 23.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.415 min Scan# 3473
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09



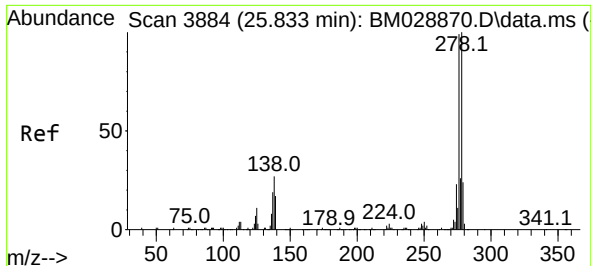
Tgt Ion:264 Resp: 53614
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 22.7 17.7 26.5



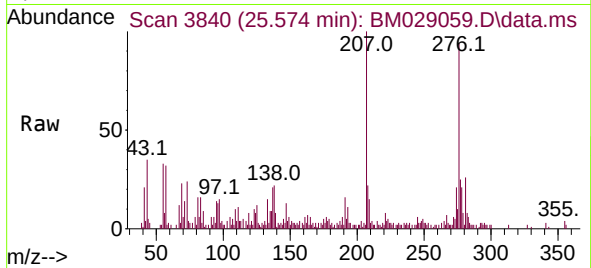
Instrument :
BNA_M
ClientSampleId :
BIN-4

Manual Integrations
APPROVED

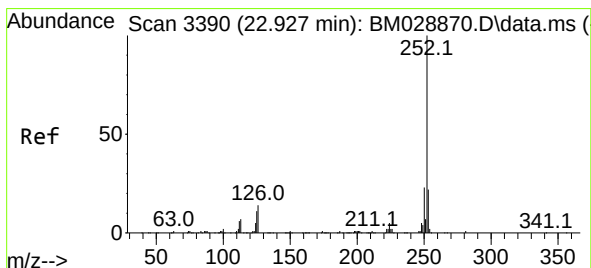
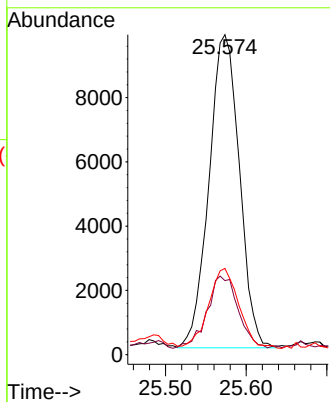
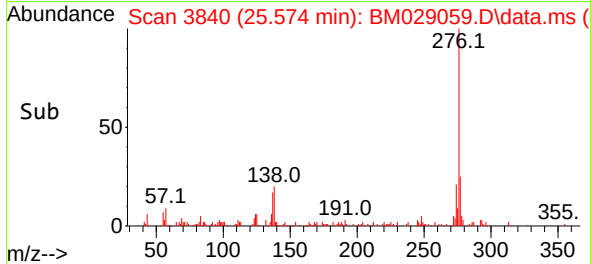
mohammad
3/10/2021 11:53:15 AM



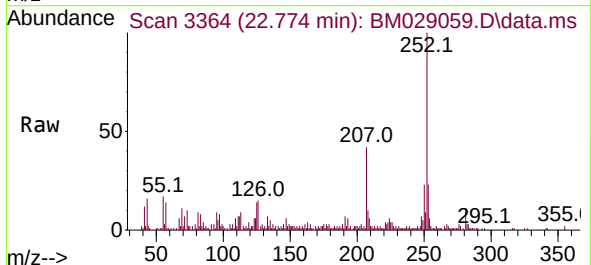
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.31 ng m
RT: 25.574 min Scan# 3840
Delta R.T. -0.012 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09



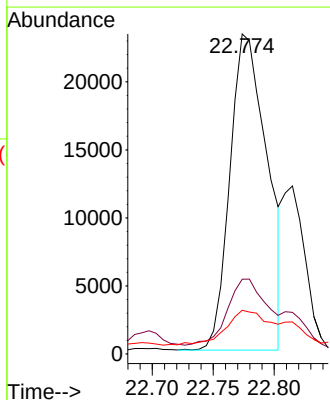
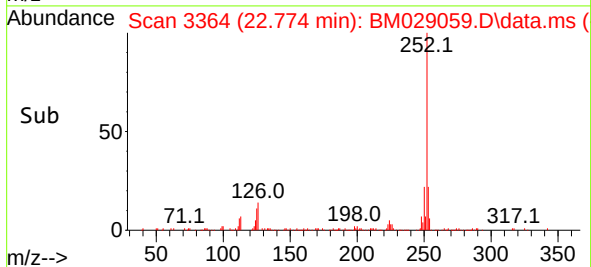
Tgt Ion: 276 Resp: 25543
Ion Ratio Lower Upper
276 100
138 1.8 14.2 21.4#
277 3.2 19.8 29.8#



#88
Benzo(b)fluoranthene
Concen: 13.03 ng m
RT: 22.774 min Scan# 3364
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09



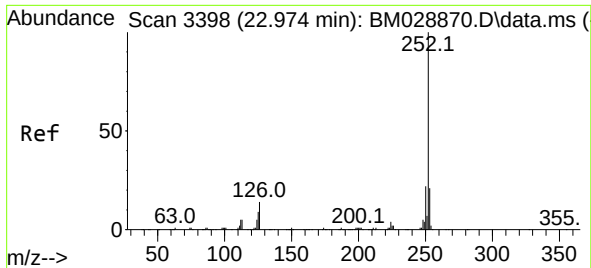
Tgt Ion: 252 Resp: 49351
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 13.6 5.7 8.5#



Instrument :
BNA_M
ClientSampled :
BIN-4

Manual Integrations
APPROVED

mohammad
3/10/2021 11:53:15 AM



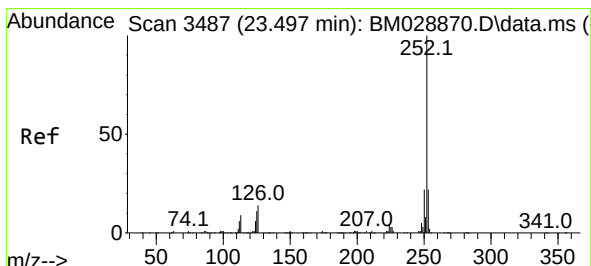
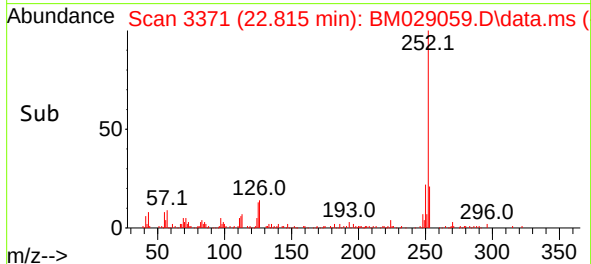
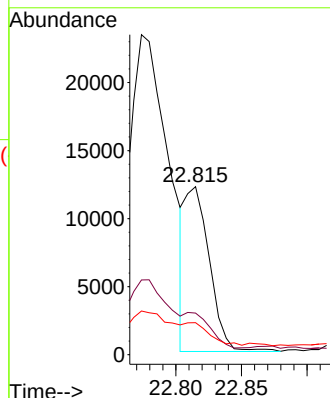
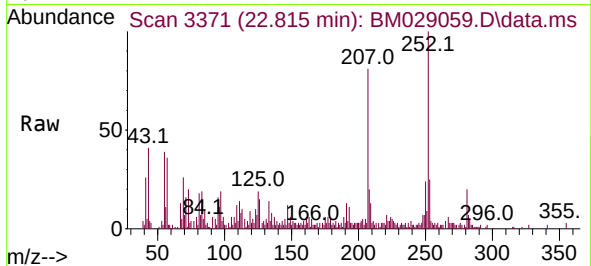
#89
Benzo(k)fluoranthene
Concen: 4.31 ng m
RT: 22.815 min Scan# 3371
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:252 Resp: 15514
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.0
125 19.1 5.6 8.4#

Instrument :
BNA_M
ClientSampled :
BIN-4

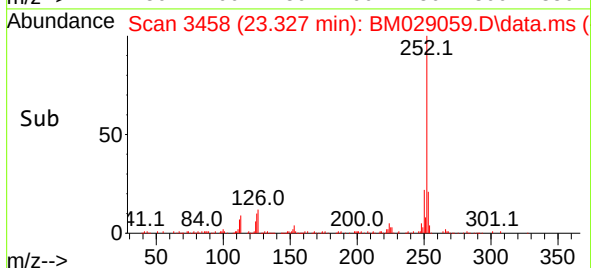
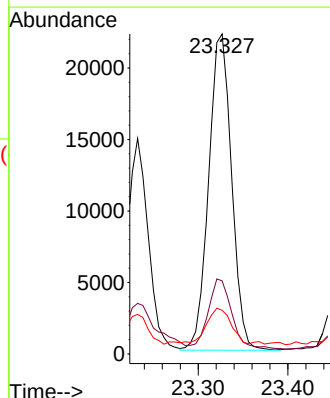
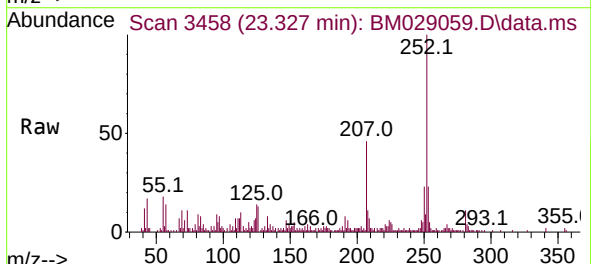
Manual Integrations
APPROVED

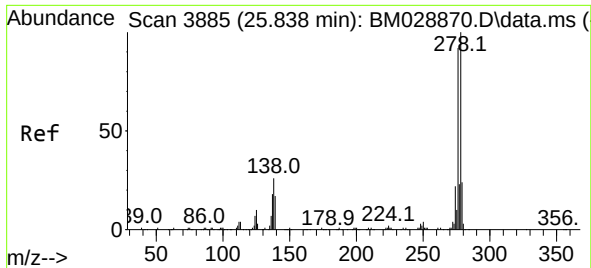
mohammad
3/10/2021 11:53:15 AM



#90
Benzo(a)pyrene
Concen: 11.38 ng
RT: 23.327 min Scan# 3458
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

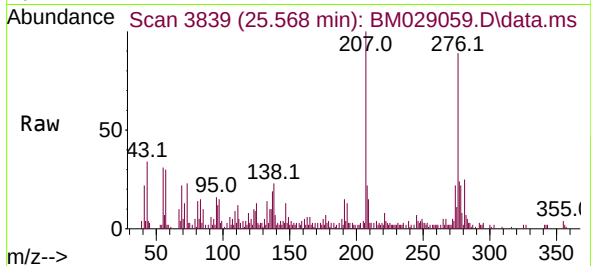
Tgt Ion:252 Resp: 39325
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 13.6 6.6 9.8#





#91
Dibenzo(a,h)anthracene
Concen: 2.06 ng
RT: 25.568 min Scan# 3839
Delta R.T. -0.018 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

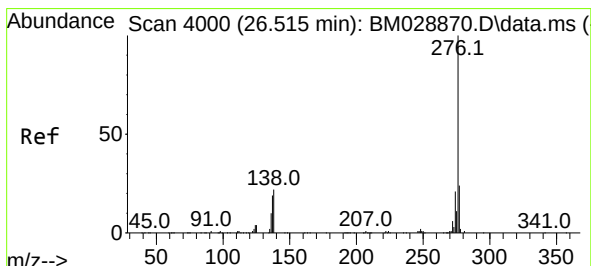
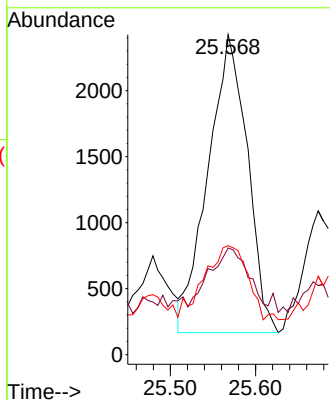
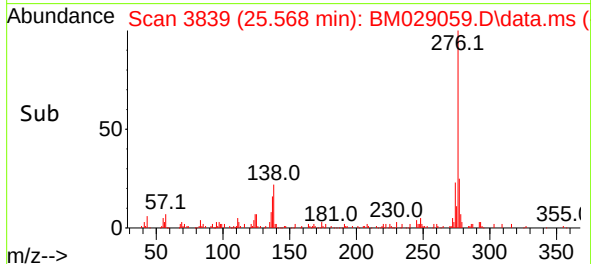
Instrument :
BNA_M
ClientSampleId :
BIN-4



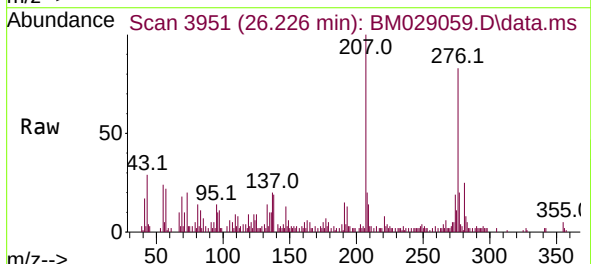
Tgt Ion:278 Resp: 7238
Ion Ratio Lower Upper
278 100
139 33.3 9.0 13.6#
279 34.0 19.0 28.4#

Manual Integrations
APPROVED

mohammad
3/10/2021 11:53:15 AM



#92
Benzo(g,h,i)perylene
Concen: 7.88 ng
RT: 26.226 min Scan# 3951
Delta R.T. -0.012 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09



Tgt Ion:276 Resp: 26744
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 23.4 12.2 18.2#

