

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
 Data File : BM041228.D
 Acq On : 01 Aug 2023 17:09
 Operator : MA/JU
 Sample : 03770-04DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DEL-2-RPDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/02/2023
 Supervised By :mohammad ahmed 08/02/2023

Quant Time: Aug 02 01:55:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 31 16:29:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	141191	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	554808	20.000	ng	0.00
39) Acenaphthene-d10	14.468	164	335288	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	740228	20.000	ng	0.00
76) Chrysene-d12	21.427	240	679941	20.000	ng	0.00
86) Perylene-d12	23.803	264	766371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	137555	14.561	ng	0.01
7) Phenol-d6	6.987	99	180851	14.769	ng	0.01
23) Nitrobenzene-d5	8.975	82	107160	8.982	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	79939	16.856	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	235666	8.879	ng	0.00
79) Terphenyl-d14	19.862	244	353301	9.395	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.268	178	403223	9.804	ng	99
72) Anthracene	17.362	178	120633	2.966	ng	99
75) Fluoranthene	19.292	202	977190	21.149	ng	99
78) Pyrene	19.656	202	847339	17.820	ng	100
81) Benzo(a)anthracene	21.415	228	458008	9.936	ng	98
83) Chrysene	21.468	228	433138	9.715	ng	97
87) Indeno(1,2,3-cd)pyrene	26.250	276	270836	4.807	ng	# 93
88) Benzo(b)fluoranthene	23.080	252	591867	13.000	ng	98
89) Benzo(k)fluoranthene	23.127	252	175574m	3.770	ng	
90) Benzo(a)pyrene	23.697	252	394855	9.026	ng	97
92) Benzo(g,h,i)perylene	27.009	276	258773	5.627	ng	96

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

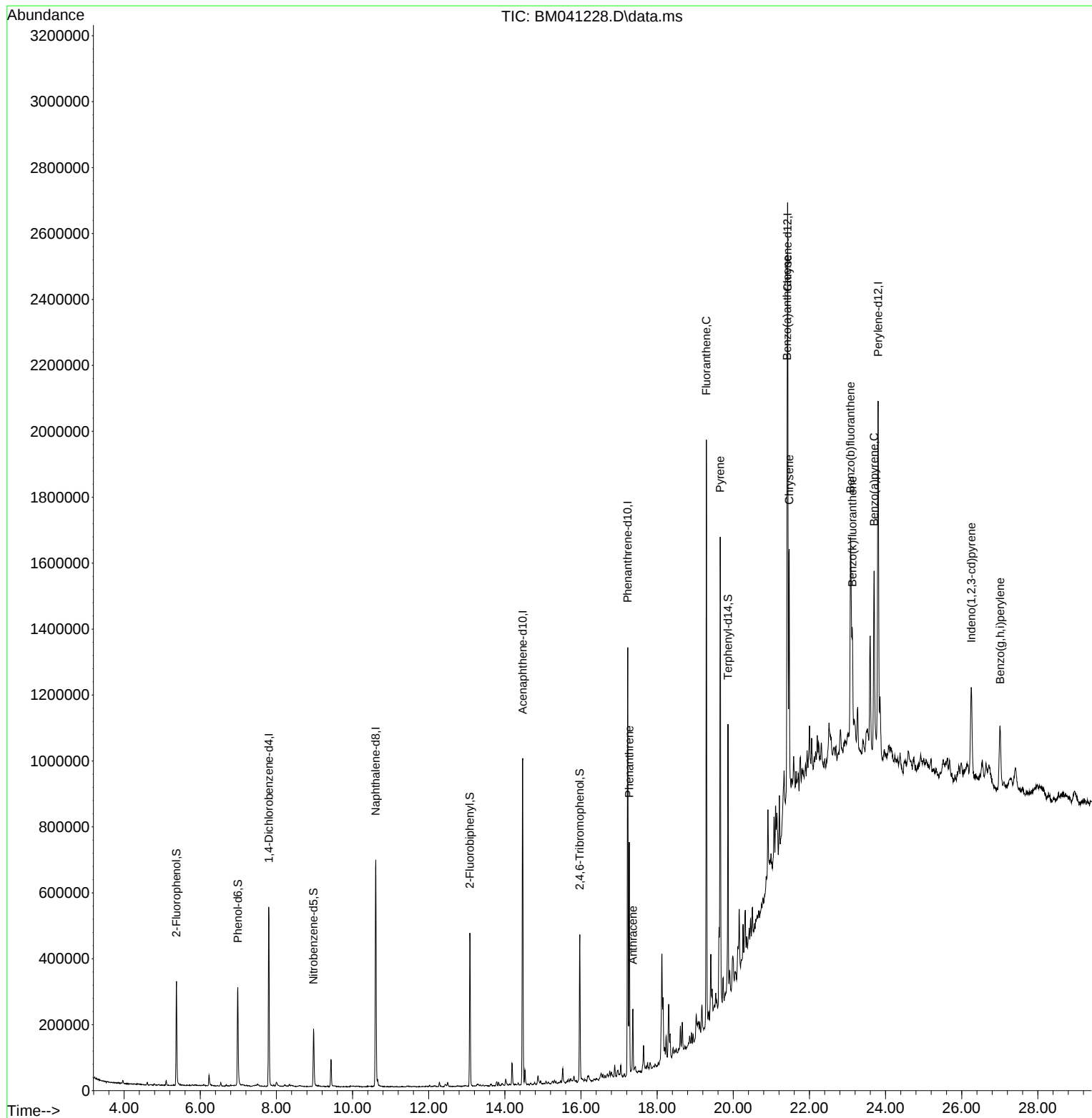
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
Data File : BM041228.D
Acq On : 01 Aug 2023 17:09
Operator : MA/JU
Sample : 03770-04DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

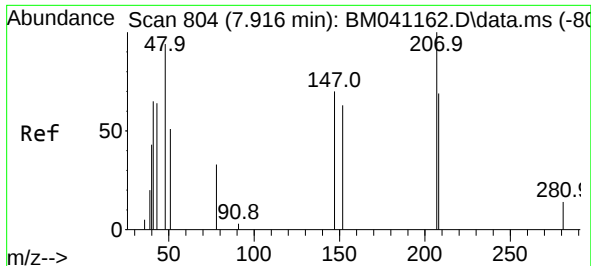
Instrument :
BNA_M
ClientSampleId :
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Quant Time: Aug 02 01:55:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 31 16:29:28 2023
Response via : Initial Calibration

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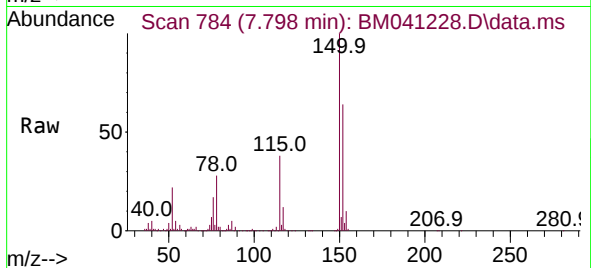
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

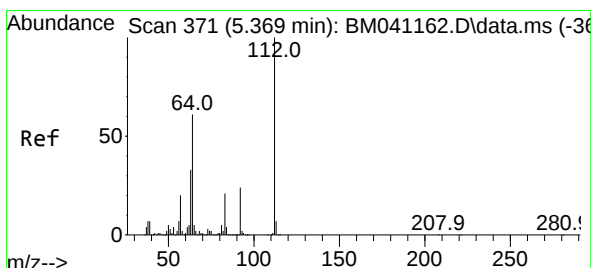
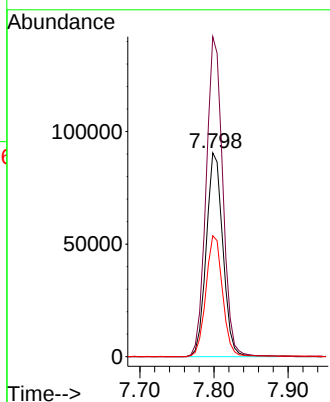
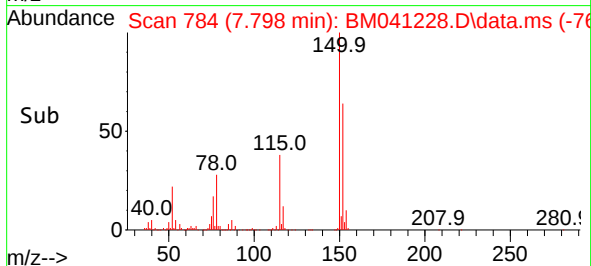
Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL



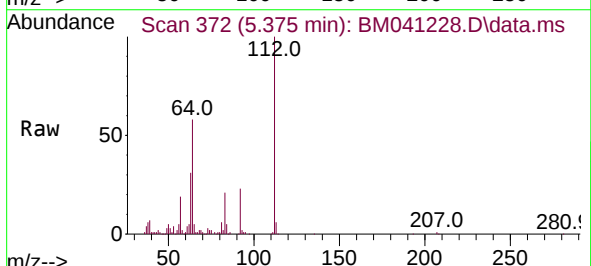
Tgt Ion:152 Resp: 14119
Ion Ratio Lower Upper
152 100
150 157.0 125.5 188.3
115 59.3 48.0 72.0

Manual Integrations
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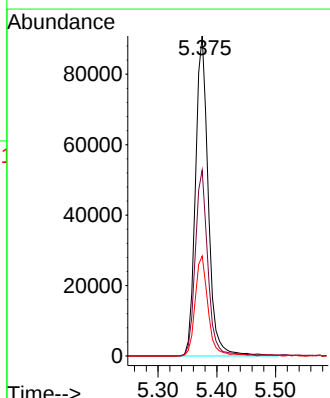
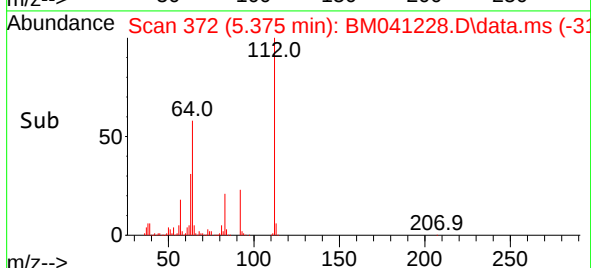
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023

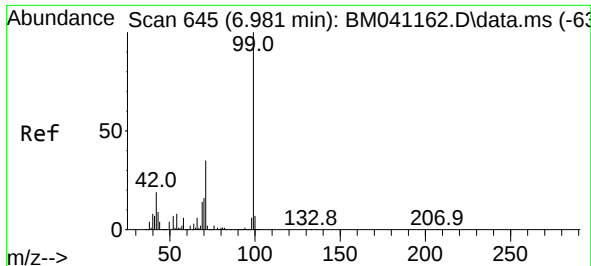


#5
2-Fluorophenol
Concen: 14.561 ng
RT: 5.375 min Scan# 372
Delta R.T. 0.012 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09



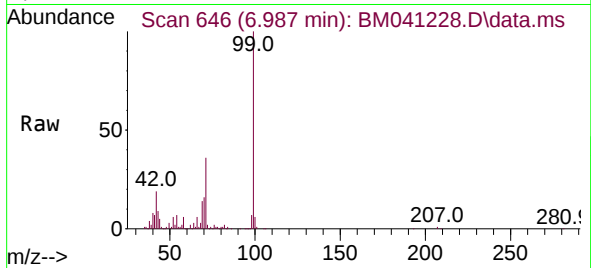
Tgt Ion:112 Resp: 137555
Ion Ratio Lower Upper
112 100
64 58.1 48.5 72.7
63 31.3 26.5 39.7





#7
Phenol-d6
Concen: 14.769 ng
RT: 6.987 min Scan# 645
Delta R.T. 0.012 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

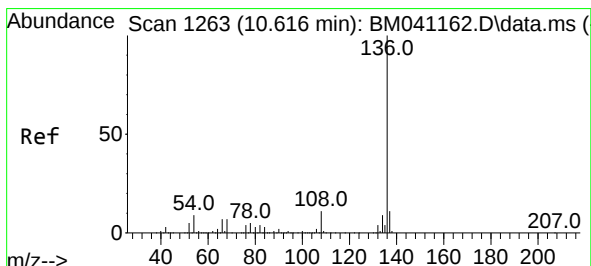
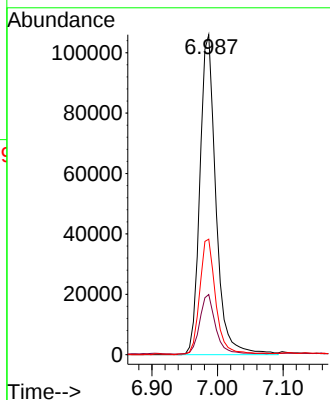
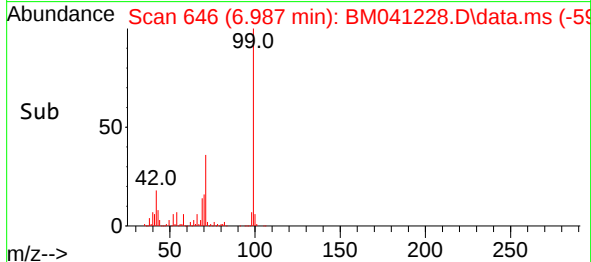
Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL



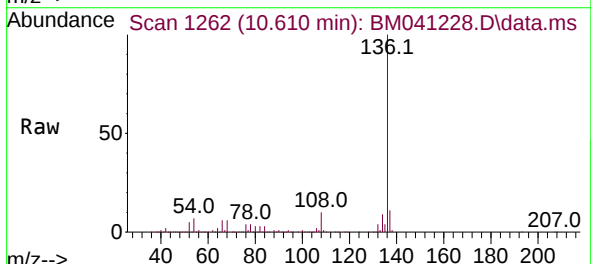
Tgt Ion: 99 Resp: 18085
Ion Ratio Lower Upper
99 100
42 18.8 15.4 23.0
71 36.1 28.2 42.4

Manual Integrations
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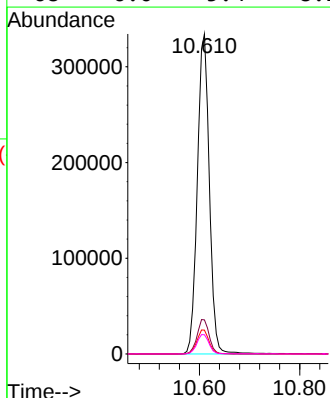
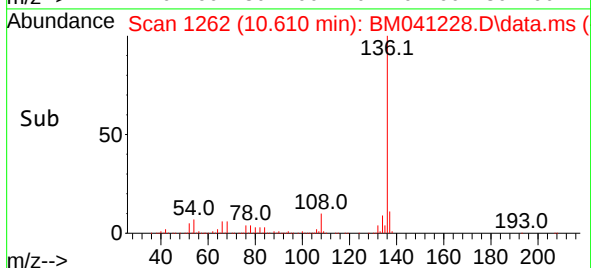
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023

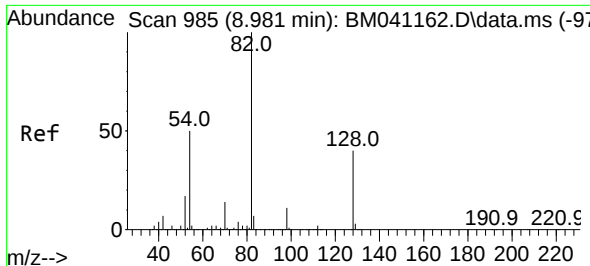


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09



Tgt Ion:136 Resp: 554808
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.5 6.9 10.3
68 6.0 5.4 8.2





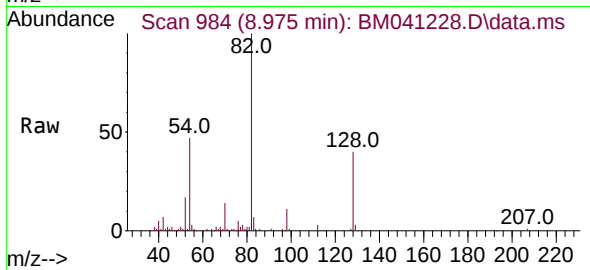
#23
Nitrobenzene-d5
Concen: 8.982 ng
RT: 8.975 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Instrument :

BNA_M

ClientSampleId :

DEL-2-RPDL



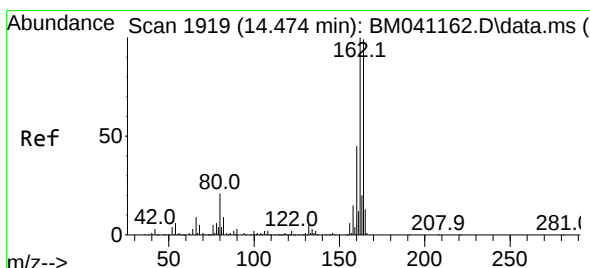
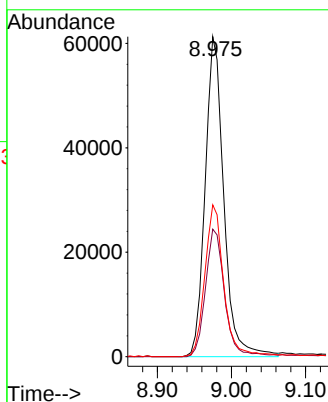
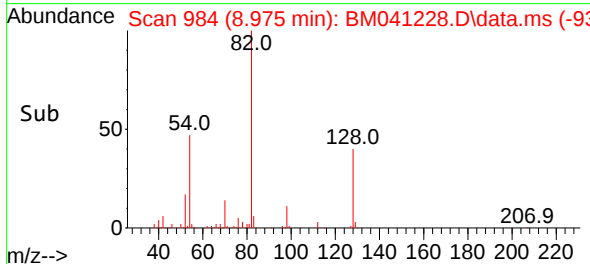
Tgt Ion: 82 Resp: 107160
Ion Ratio Lower Upper
82 100
128 39.8 31.8 47.6
54 47.5 40.1 60.1

Manual Integrations

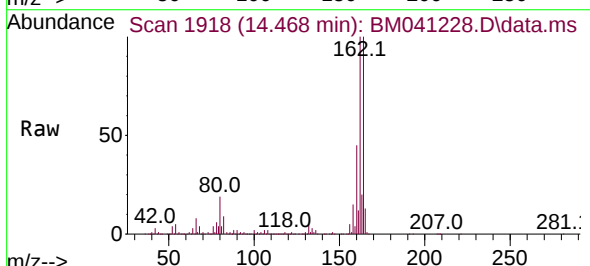
APPROVED

Reviewed By :Yogesh Patel 08/02/2023

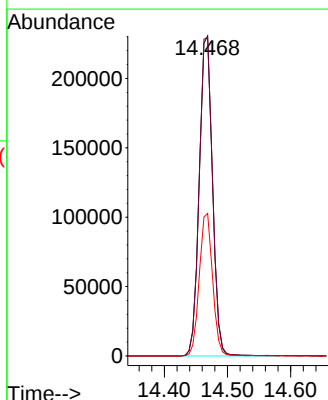
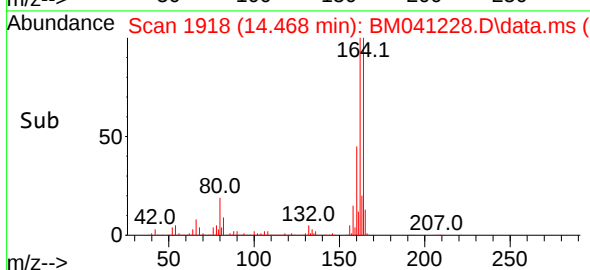
Supervised By :mohammad ahmed 08/02/2023

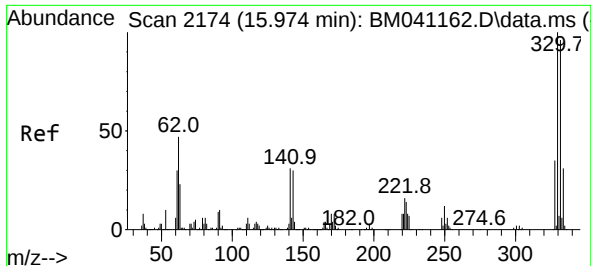


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.468 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09



Tgt Ion:164 Resp: 335288
Ion Ratio Lower Upper
164 100
162 99.6 80.4 120.6
160 44.6 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 16.856 ng
RT: 15.968 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Instrument :

BNA_M

ClientSampleId :

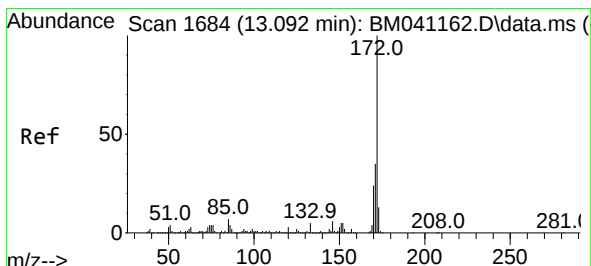
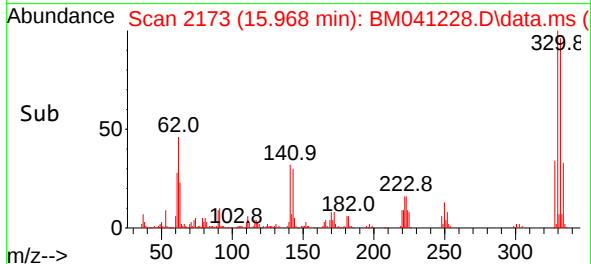
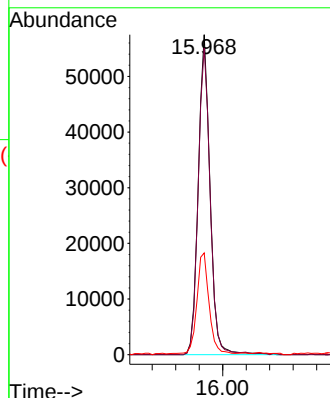
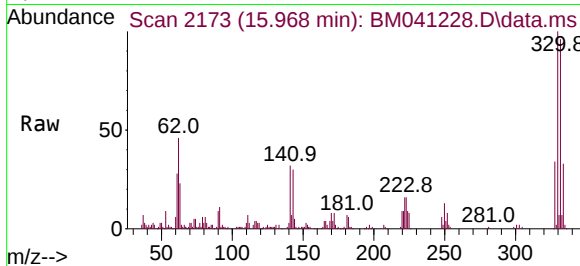
DEL-2-RPDL

Tgt Ion:330 Resp: 79939
Ion Ratio Lower Upper
330 100
332 96.7 77.7 116.5
141 31.9 28.3 42.5

Manual Integrations

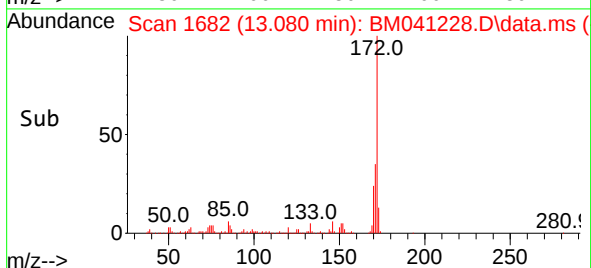
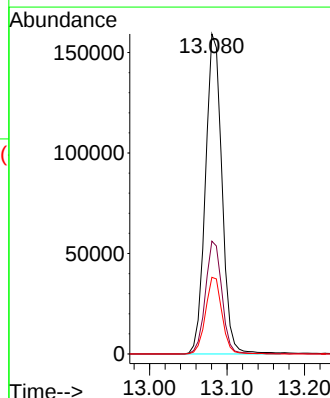
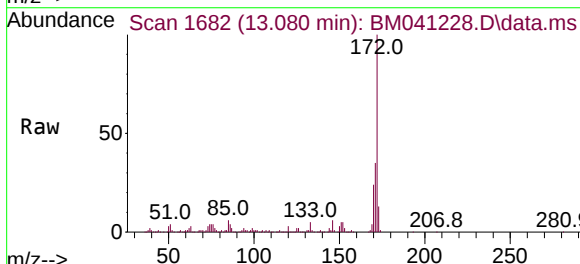
APPROVED

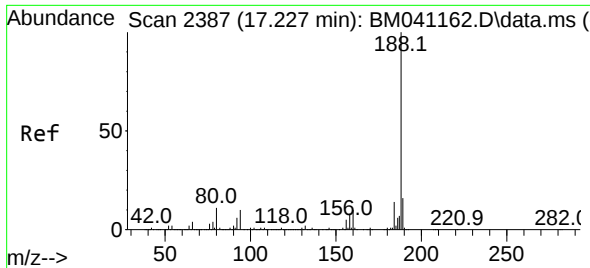
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#45
2-Fluorobiphenyl
Concen: 8.879 ng
RT: 13.080 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

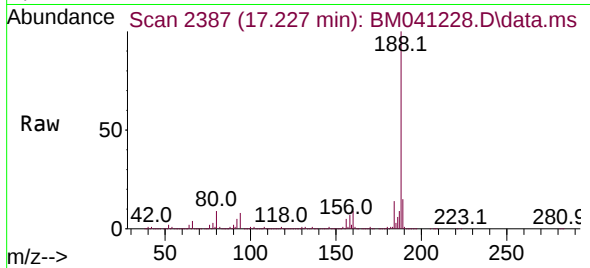
Tgt Ion:172 Resp: 235666
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.9 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2387
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

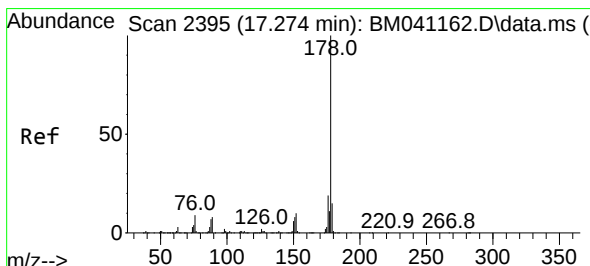
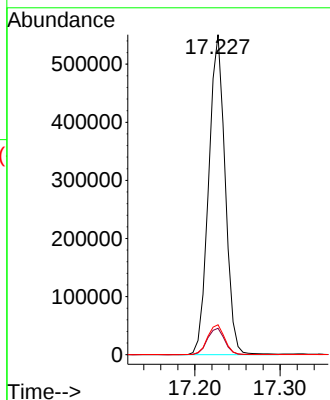
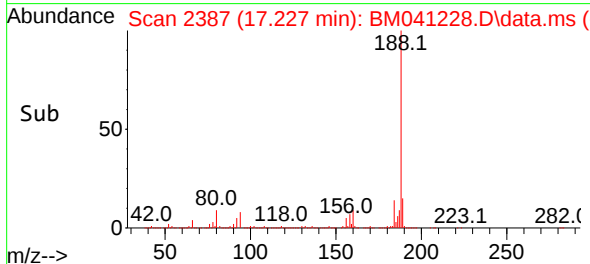
Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL



Tgt Ion:188 Resp: 740228
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.2
80 9.4 8.6 13.0

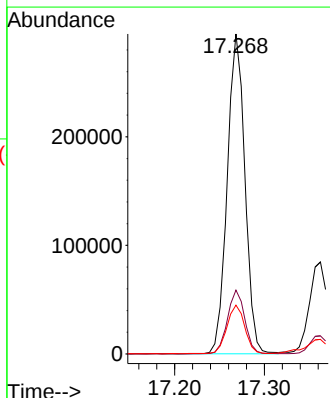
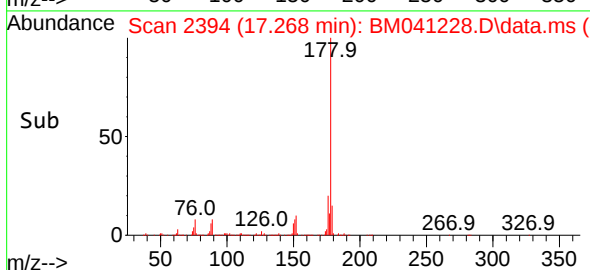
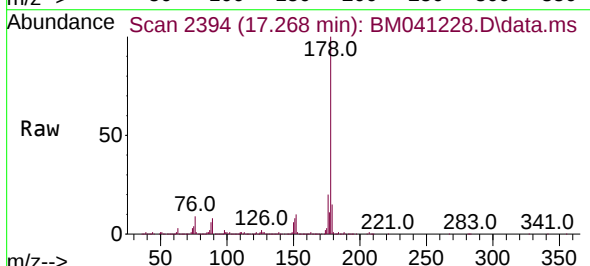
Manual Integrations
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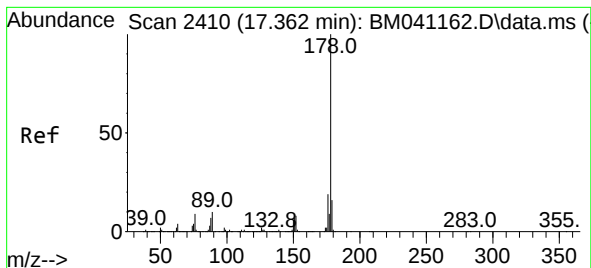
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#71
Phenanthrene
Concen: 9.804 ng
RT: 17.268 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Tgt Ion:178 Resp: 403223
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.2 12.1 18.1





#72

Anthracene

Concen: 2.966 ng

RT: 17.362 min Scan# 2410

Delta R.T. 0.006 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

Instrument :

BNA_M

ClientSampleId :

DEL-2-RPDL

Tgt Ion:178 Resp: 12063

Ion Ratio Lower Upper

178 100

176 19.7 15.2 22.8

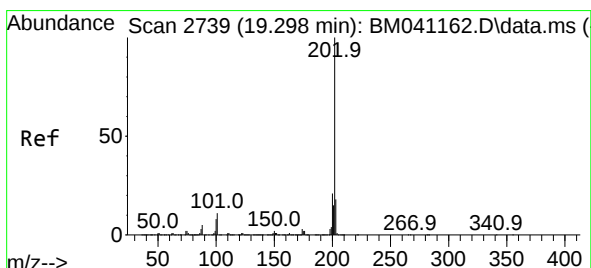
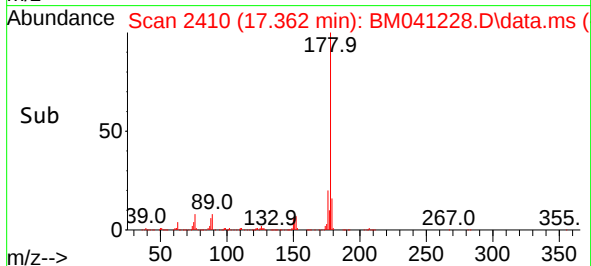
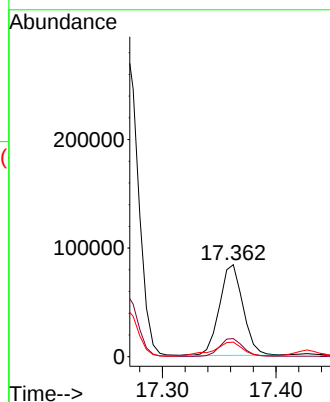
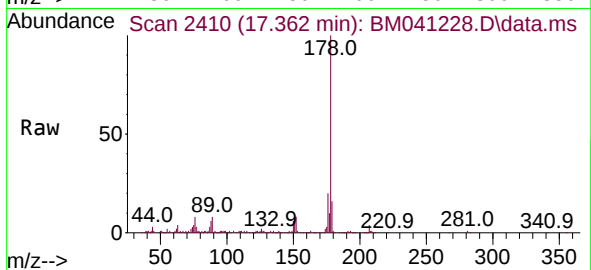
179 15.9 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/02/2023

Supervised By :mohammad ahmed 08/02/2023



#75

Fluoranthene

Concen: 21.149 ng

RT: 19.292 min Scan# 2738

Delta R.T. -0.000 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

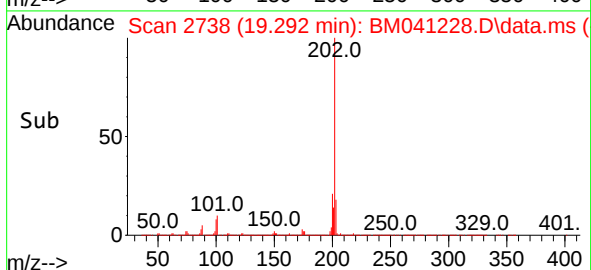
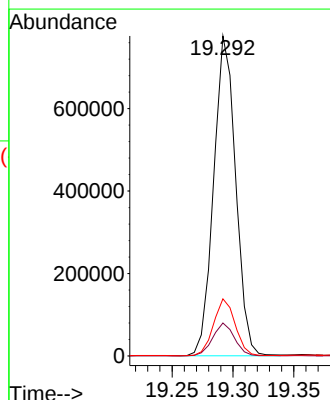
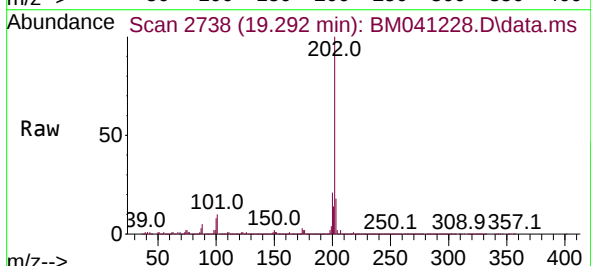
Tgt Ion:202 Resp: 977190

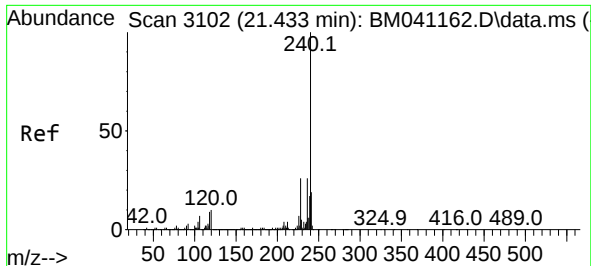
Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.8

203 17.9 0.0 37.6





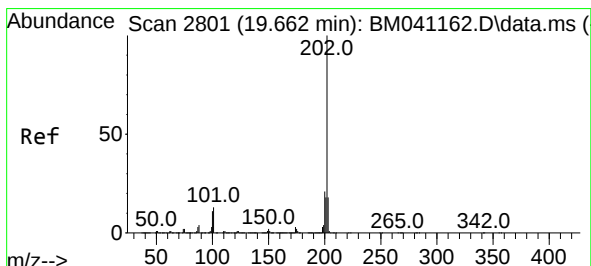
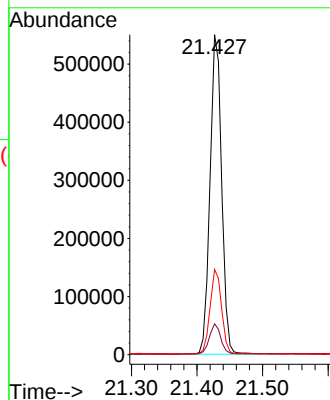
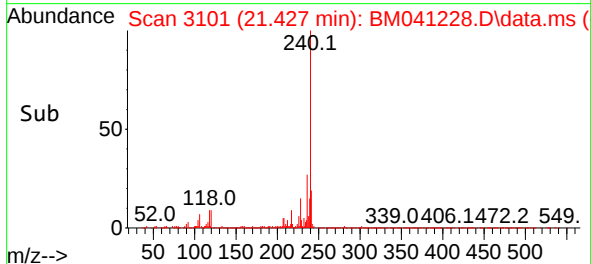
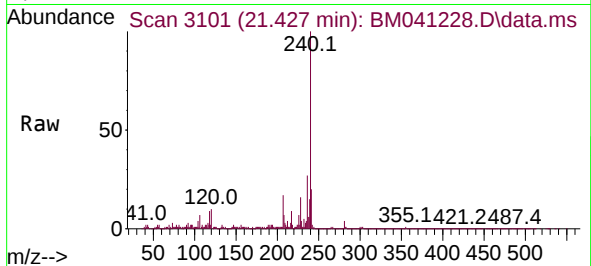
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Instrument :
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DEL-2-RPDL

Tgt Ion:240 Resp: 67994
Ion Ratio Lower Upper
240 100
120 9.7 8.3 12.5
236 26.7 20.6 30.8

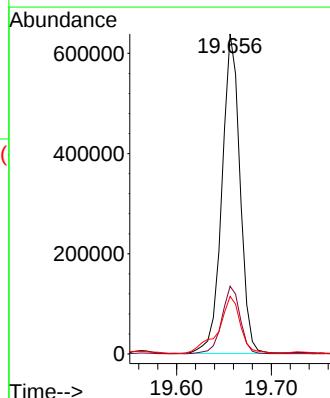
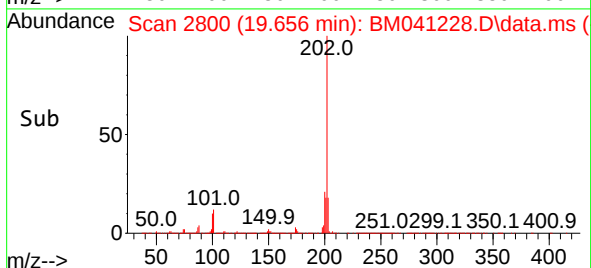
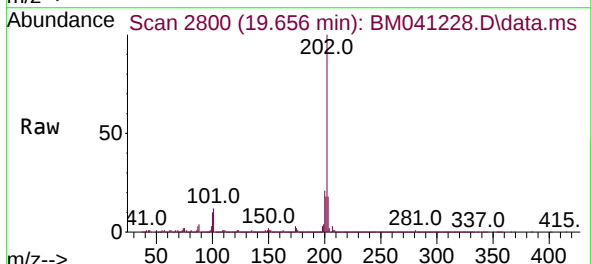
Manual Integrations
APPROVED

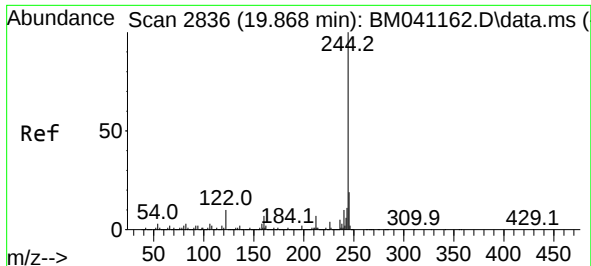
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#78
Pyrene
Concen: 17.820 ng
RT: 19.656 min Scan# 2800
Delta R.T. -0.000 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Tgt Ion:202 Resp: 847339
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 18.0 14.1 21.1





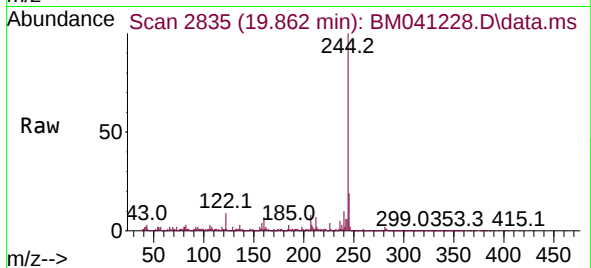
#79
Terphenyl-d14
Concen: 9.395 ng
RT: 19.862 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Instrument :

BNA_M

ClientSampleId :

DEL-2-RPDL

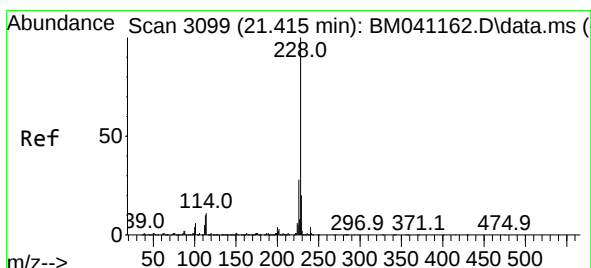
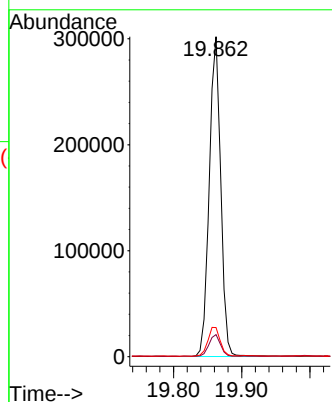
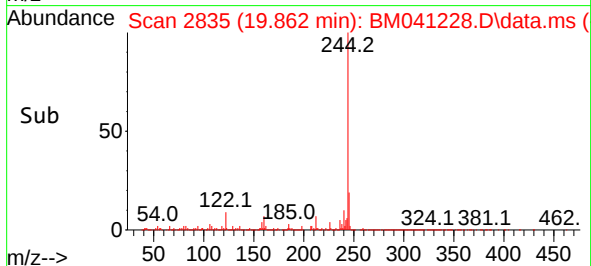


Tgt Ion:244 Resp: 35330
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 9.1 7.8 11.6

Manual Integrations

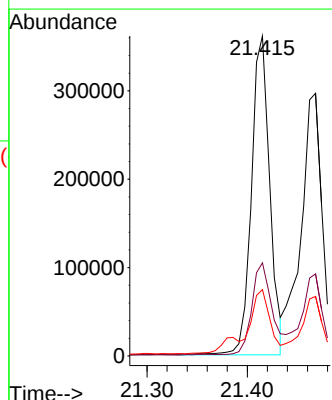
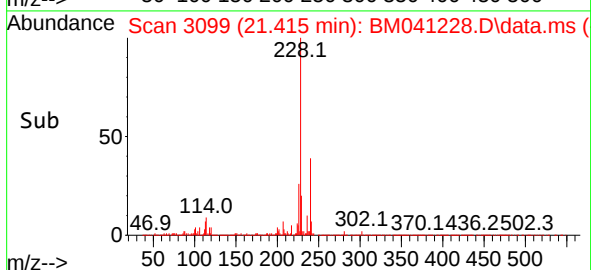
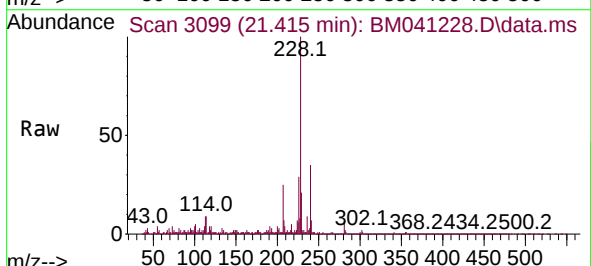
APPROVED

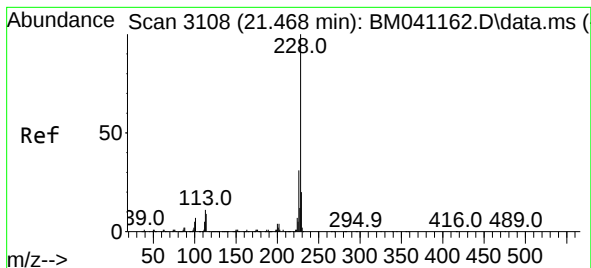
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#81
Benzo(a)anthracene
Concen: 9.936 ng
RT: 21.415 min Scan# 3099
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Tgt Ion:228 Resp: 458008
Ion Ratio Lower Upper
228 100
226 29.1 22.4 33.6
229 20.7 15.8 23.8





#83

Chrysene

Concen: 9.715 ng

RT: 21.468 min Scan# 3108

Delta R.T. 0.006 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

Instrument :

BNA_M

ClientSampleId :

DEL-2-RPDL

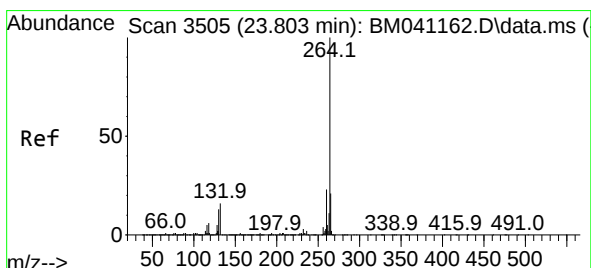
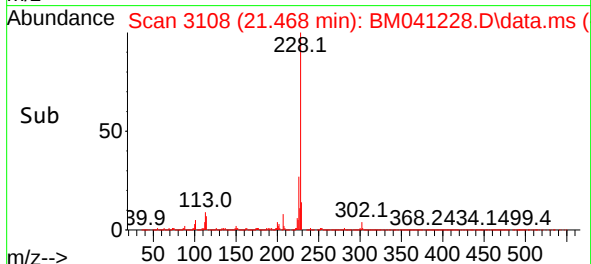
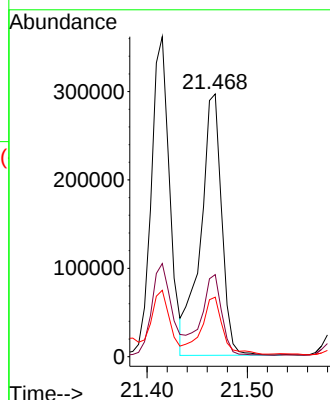
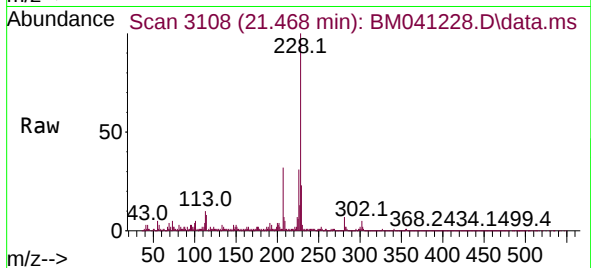
Tgt Ion:	228	Resp:	433138
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.5	36.7
229	22.7	15.8	23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/02/2023

Supervised By :mohammad ahmed 08/02/2023



#86

Perylene-d12

Concen: 20.000 ng

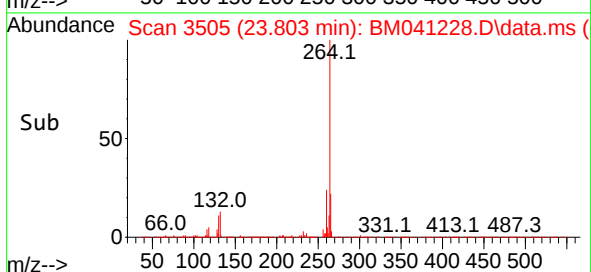
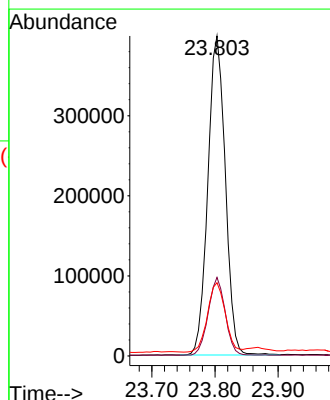
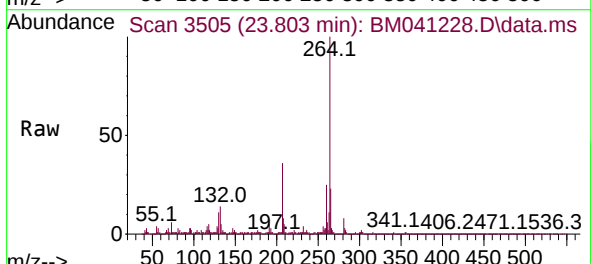
RT: 23.803 min Scan# 3505

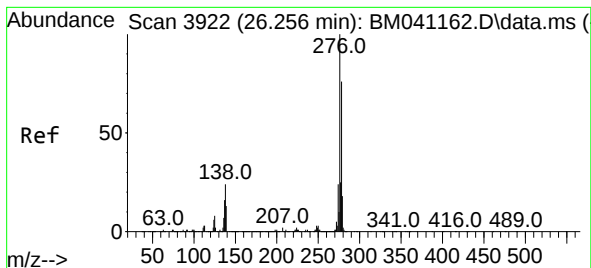
Delta R.T. 0.006 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

Tgt Ion:	264	Resp:	766371
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.5	27.7
265	22.9	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.807 ng

RT: 26.250 min Scan# 3922

Delta R.T. 0.006 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

Instrument :

BNA_M

ClientSampleId :

DEL-2-RPDL

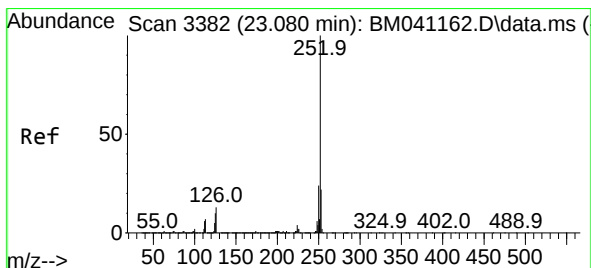
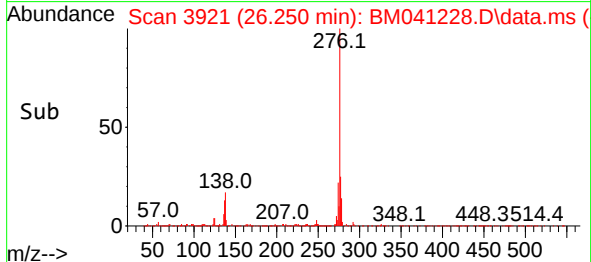
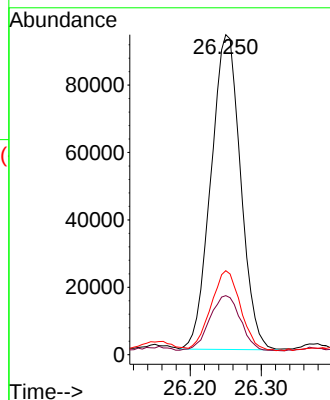
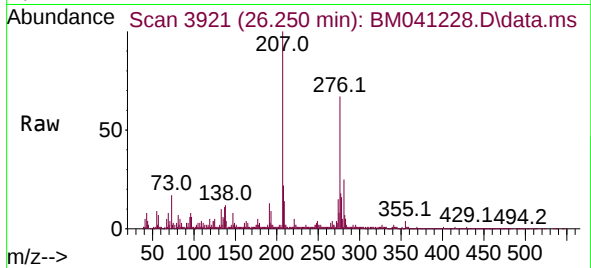
Tgt Ion:	276	Resp:	270830
Ion Ratio	Lower	Upper	
276	100		
138	18.3	20.0	30.0
277	25.4	20.1	30.1

Manual Integrations

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Reviewed By :Yogesh Patel 08/02/2023

Supervised By :mohammad ahmed 08/02/2023



#88

Benzo(b)fluoranthene

Concen: 13.000 ng

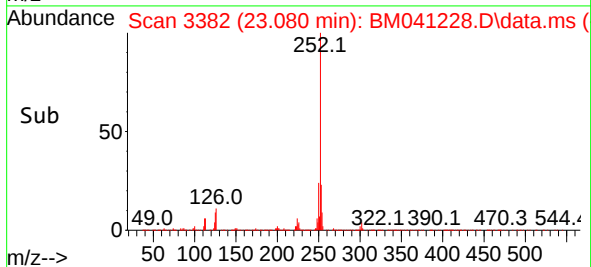
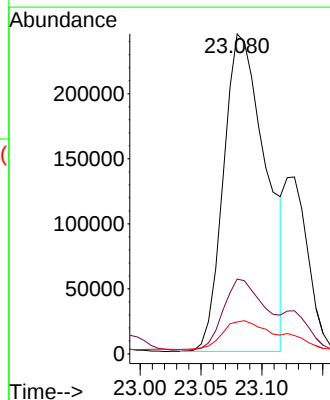
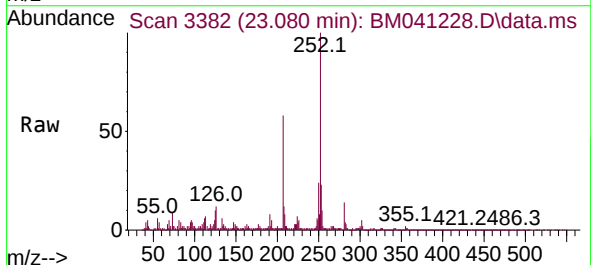
RT: 23.080 min Scan# 3382

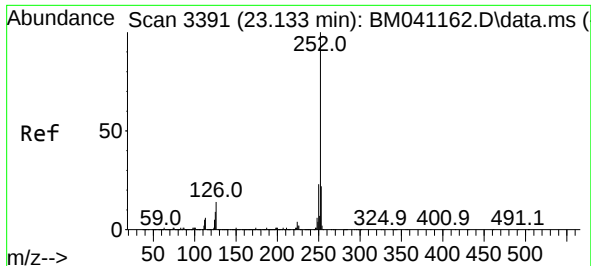
Delta R.T. 0.006 min

Lab File: BM041228.D

Acq: 01 Aug 2023 17:09

Tgt Ion:	252	Resp:	591867
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.7	26.5
125	10.0	8.2	12.4





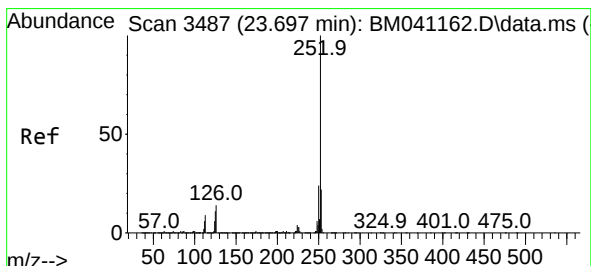
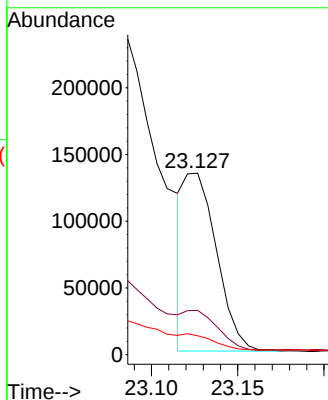
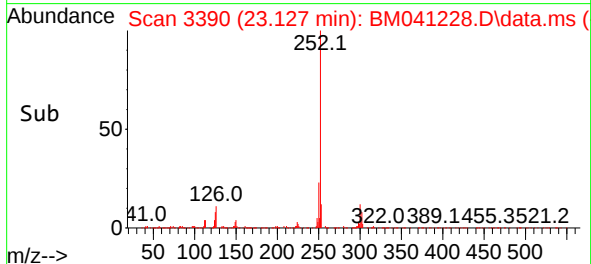
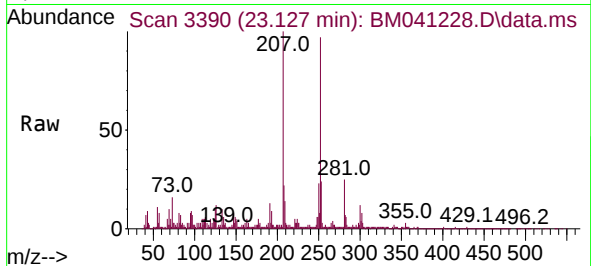
#89
Benzo(k)fluoranthene
Concen: 3.770 ng m
RT: 23.127 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL

Tgt Ion:252 Resp: 175574
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 10.4 7.6 11.4

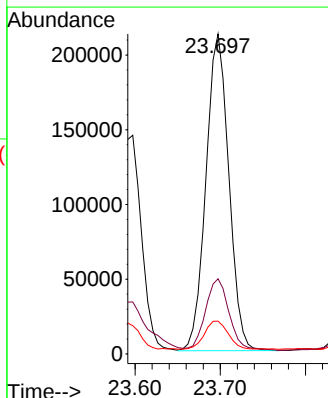
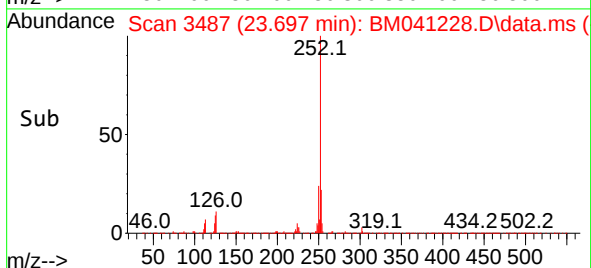
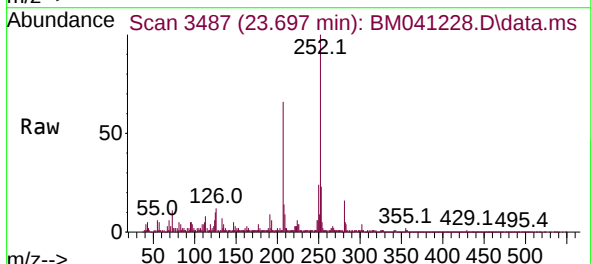
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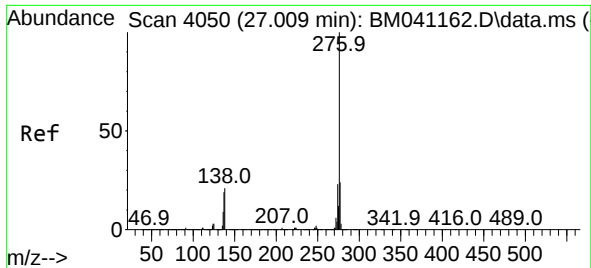
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#90
Benzo(a)pyrene
Concen: 9.026 ng
RT: 23.697 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

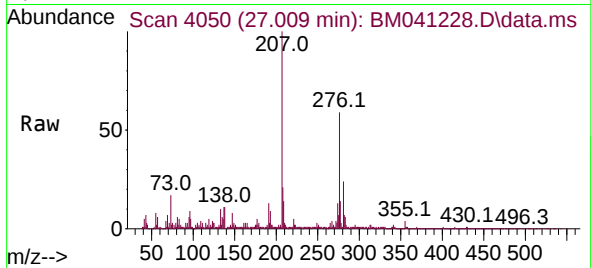
Tgt Ion:252 Resp: 394855
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 10.3 9.0 13.4





#92
Benzo(g,h,i)perylene
Concen: 5.627 ng
RT: 27.009 min Scan# 4050
Delta R.T. 0.012 min
Lab File: BM041228.D
Acq: 01 Aug 2023 17:09

Instrument :
BNA_M
ClientSampleId :
DEL-2-RPDL



Tgt Ion: 276 Resp: 25877
Ion Ratio Lower Upper
276 100
277 24.1 19.1 28.7
138 17.7 17.1 25.7

Manual Integrations
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Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023

