

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102323\
 Data File : BM042411.D
 Acq On : 23 Oct 2023 20:35
 Operator : MA/JU
 Sample : 04843-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/24/2023
 Supervised By :mohammad ahmed 10/25/2023

Quant Time: Oct 23 22:34:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	203974	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	791572	20.000	ng	0.00
39) Acenaphthene-d10	14.645	164	273596	20.000	ng	# 0.00
64) Phenanthrene-d10	17.474	188	128633m	20.000	ng	0.08
76) Chrysene-d12	21.651	240	296247m	20.000	ng	0.07
86) Perylene-d12	24.086	264	608611	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	897171	62.164	ng	0.00
7) Phenol-d6	7.146	99	1179198	60.969	ng	0.00
23) Nitrobenzene-d5	9.193	82	745623	41.653	ng	0.00
42) 2,4,6-Tribromophenol	16.169	330	107205	42.201	ng	0.03
45) 2-Fluorobiphenyl	13.263	172	1276091	62.808	ng	0.00
79) Terphenyl-d14	20.109	244	324658	19.436	ng	0.10
Target Compounds						Qvalue
81) Benzo(a)anthracene	21.639	228	74630m	3.758	ng	
83) Chrysene	21.692	228	117830m	6.177	ng	
87) Indeno(1,2,3-cd)pyrene	26.650	276	158758	3.569	ng	# 92
88) Benzo(b)fluoranthene	23.327	252	301587	8.232	ng	# 72
89) Benzo(k)fluoranthene	23.374	252	95463m	2.510	ng	
90) Benzo(a)pyrene	23.974	252	159704	4.529	ng	# 70
92) Benzo(g,h,i)perylene	27.462	276	161155	4.487	ng	96

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

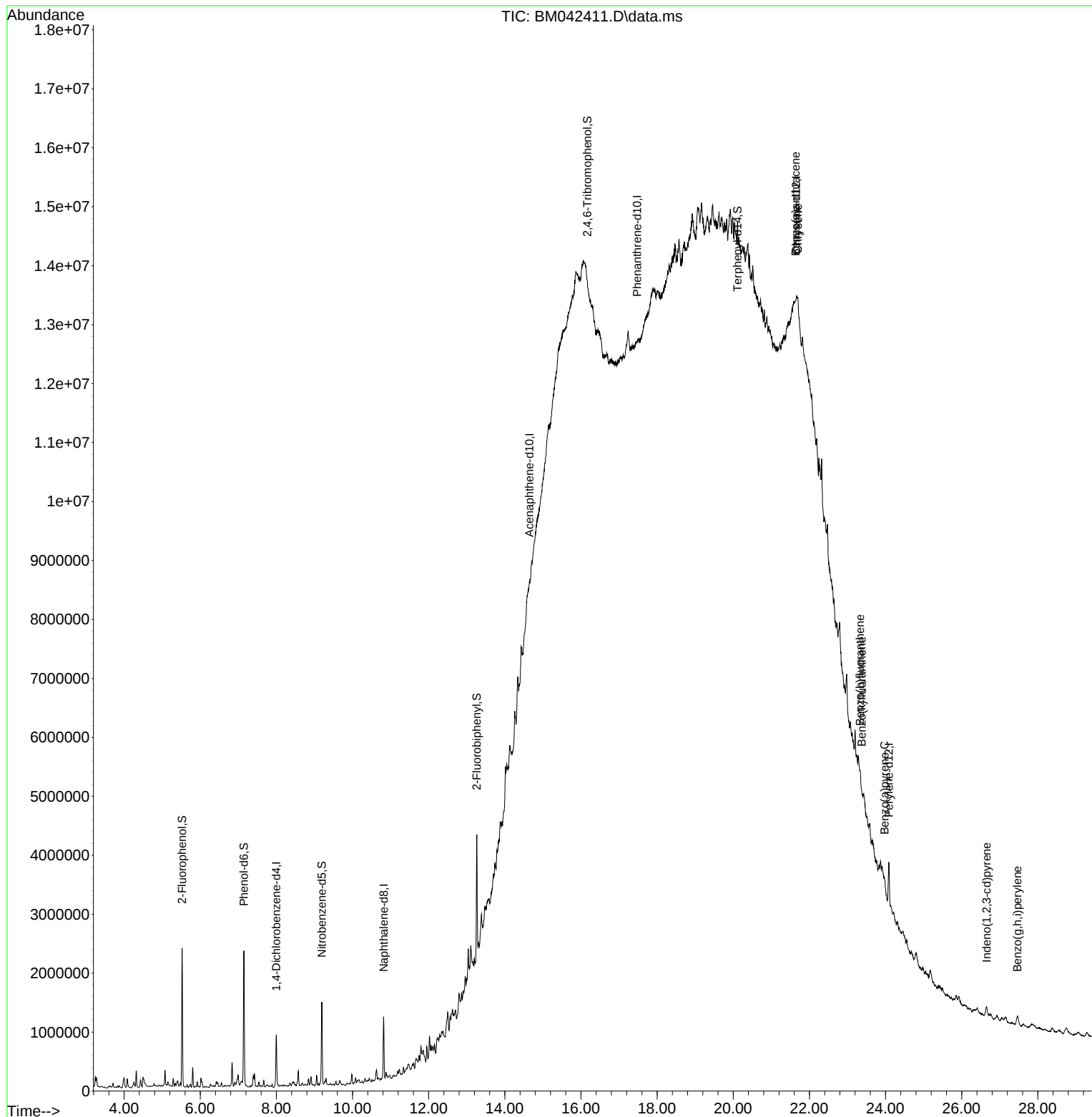
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102323\
Data File : BM042411.D
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

Manual Integrations
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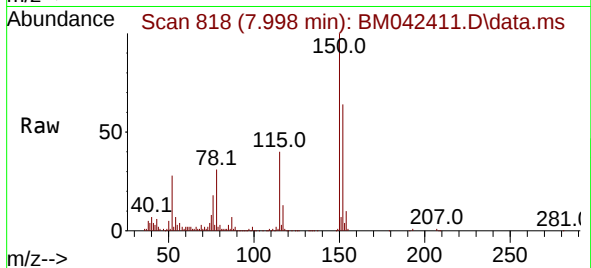
Reviewed By :Yogesh Patel 10/24/2023
Supervised By :mohammad ahmed 10/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.998 min Scan# 818
Delta R.T. 0.000 min
Lab File: BM042411.D
Acq: 23 Oct 2023 20:35

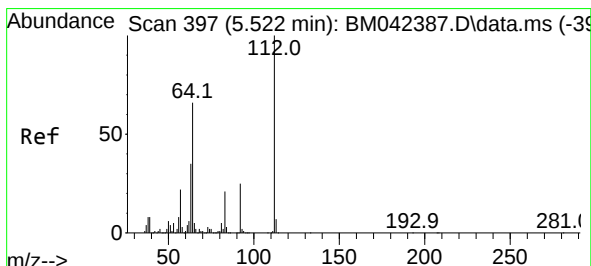
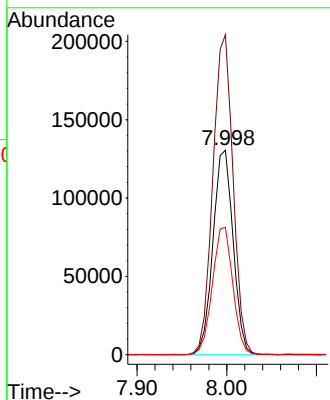
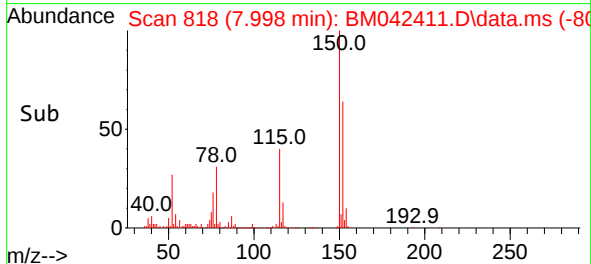
Instrument :
BNA_M
ClientSampleId :
WC-1



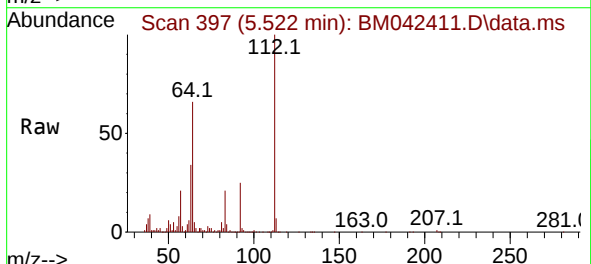
Tgt Ion:152 Resp: 203974
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.4
115 62.3 51.9 77.9

Manual Integrations
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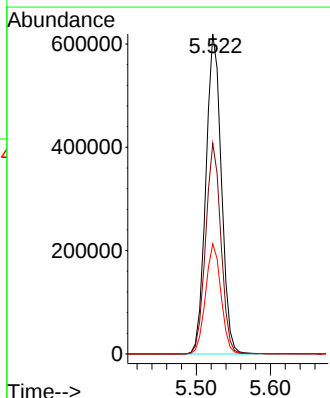
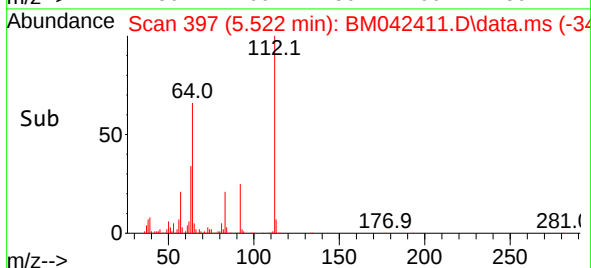
Reviewed By :Yogesh Patel 10/24/2023
Supervised By :mohammad ahmed 10/25/2023

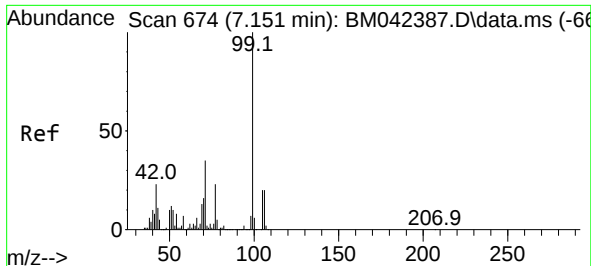


#5
2-Fluorophenol
Concen: 62.164 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM042411.D
Acq: 23 Oct 2023 20:35



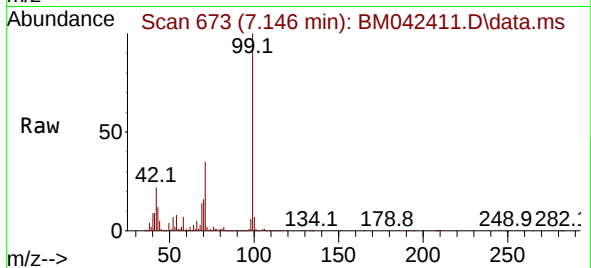
Tgt Ion:112 Resp: 897171
Ion Ratio Lower Upper
112 100
64 65.9 52.7 79.1
63 34.4 28.3 42.5





#7
Phenol-d6
Concen: 60.969 ng
RT: 7.146 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042411.D
Acq: 23 Oct 2023 20:35

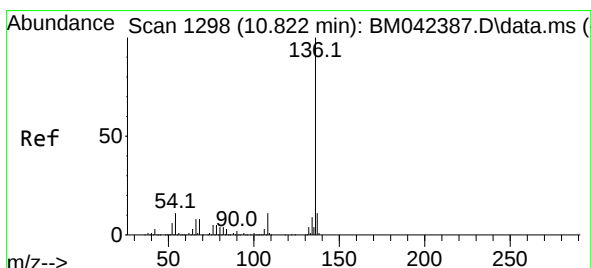
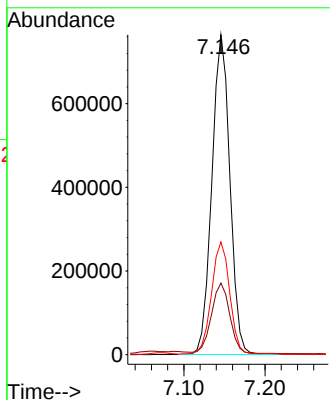
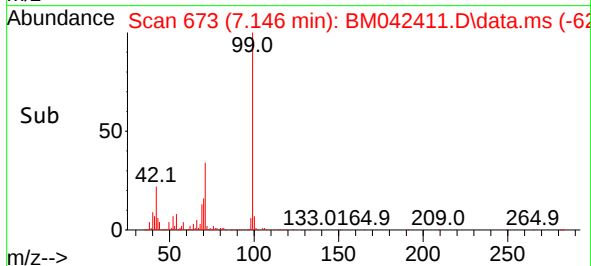
Instrument :
BNA_M
ClientSampleId :
WC-1



Tgt Ion: 99 Resp: 1179198
Ion Ratio Lower Upper
99 100
42 22.3 18.5 27.7
71 35.2 27.7 41.5

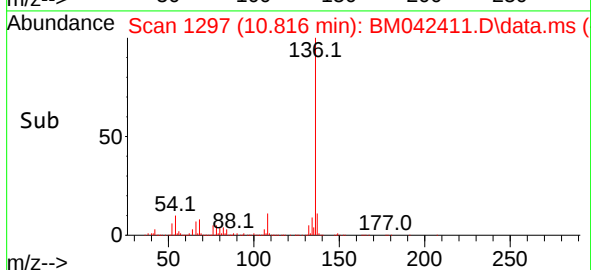
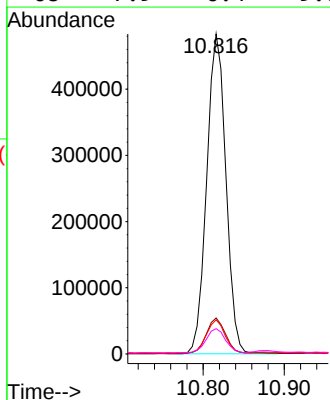
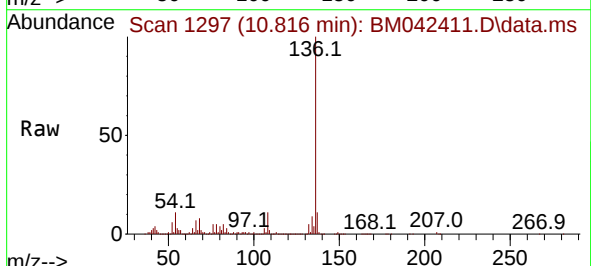
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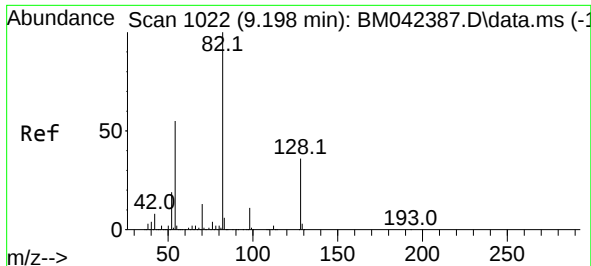
Reviewed By :Yogesh Patel 10/24/2023
Supervised By :mohammad ahmed 10/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042411.D
Acq: 23 Oct 2023 20:35

Tgt Ion:136 Resp: 791572
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.7 8.6 12.8
68 7.9 6.4 9.6





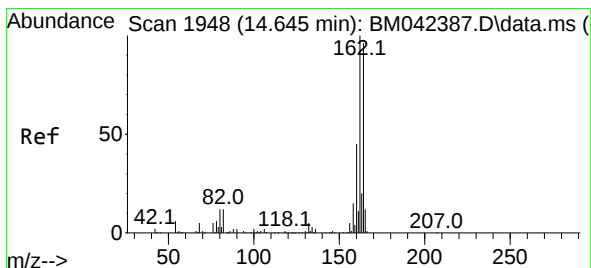
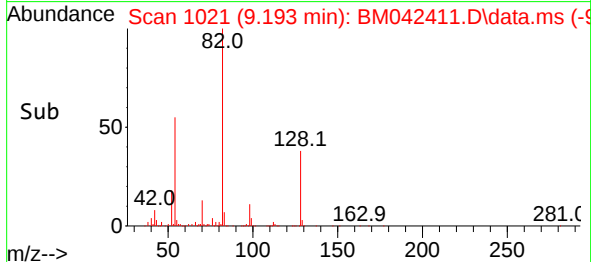
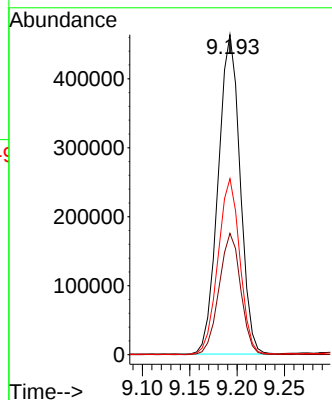
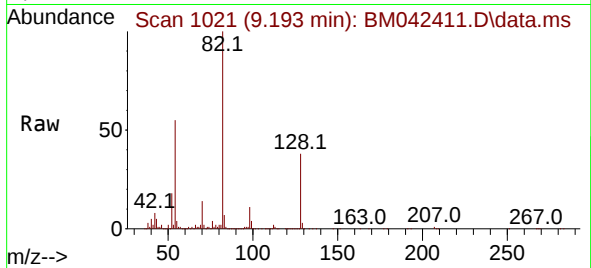
#23
Nitrobenzene-d5
Concen: 41.653 ng
RT: 9.193 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM042411.D
Acq: 23 Oct 2023 20:35

Instrument :
BNA_M
ClientSampleId :
WC-1

Tgt Ion: 82 Resp: 74562
Ion Ratio Lower Upper
82 100
128 37.9 29.0 43.6
54 55.0 43.7 65.5

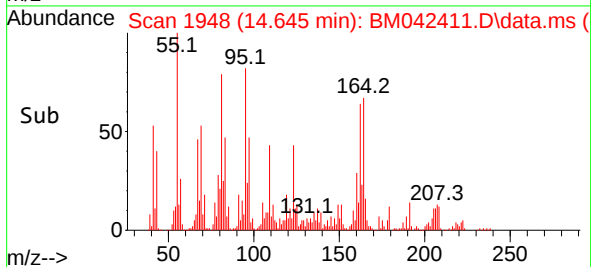
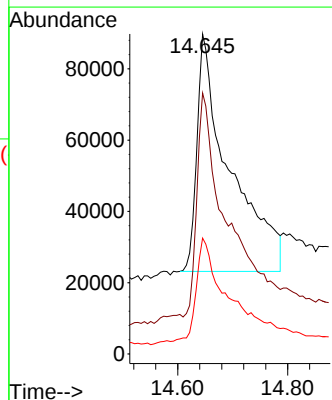
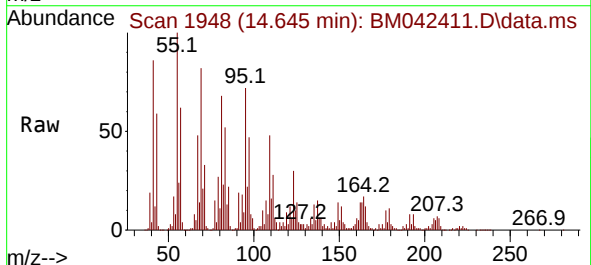
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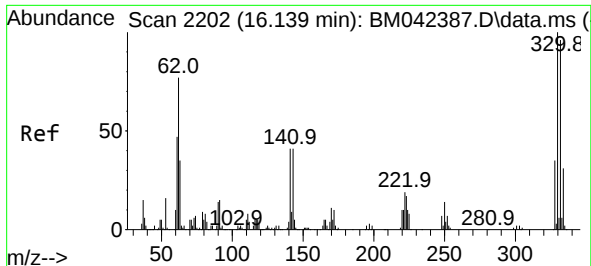
Reviewed By :Yogesh Patel 10/24/2023
Supervised By :mohammad ahmed 10/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.645 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM042411.D
Acq: 23 Oct 2023 20:35

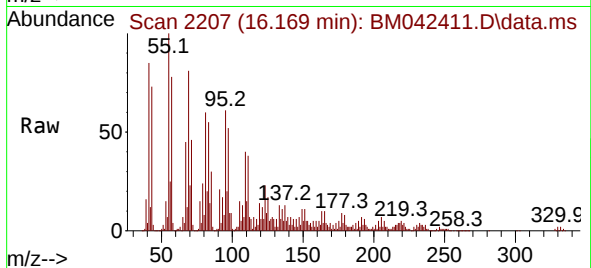
Tgt Ion:164 Resp: 273596
Ion Ratio Lower Upper
164 100
162 81.5 83.0 124.4#
160 36.2 37.0 55.4#





#42
2,4,6-Tribromophenol
Concen: 42.201 ng
RT: 16.169 min Scan# 21
Delta R.T. 0.030 min
Lab File: BM042411.D
Acq: 23 Oct 2023 20:35

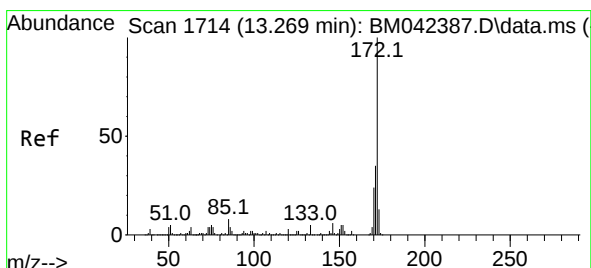
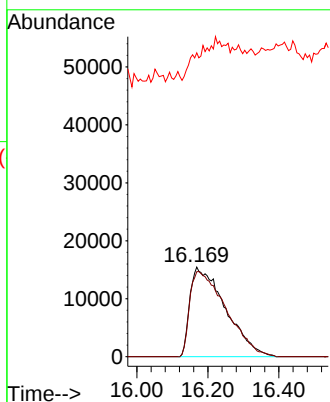
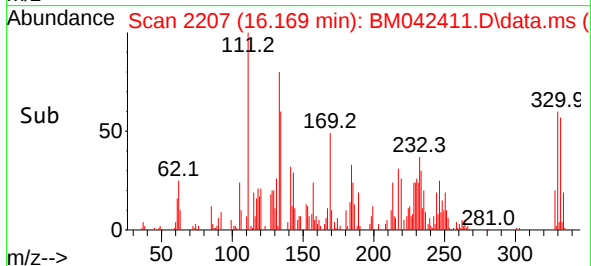
Instrument :
BNA_M
ClientSampleId :
WC-1



Tgt Ion:330 Resp: 10720
Ion Ratio Lower Upper
330 100
332 97.6 77.6 116.4
141 0.0 38.0 57.0

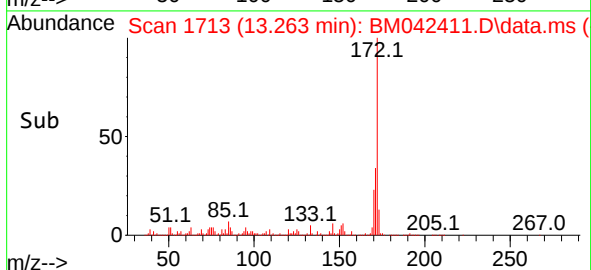
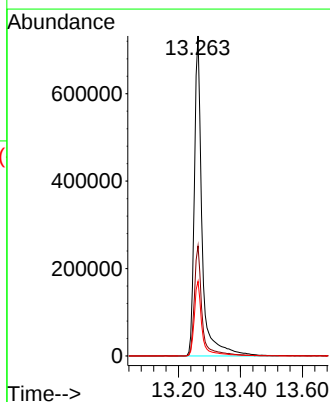
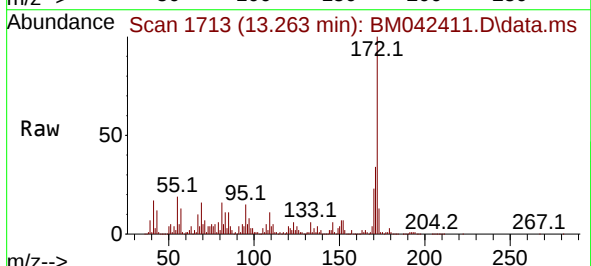
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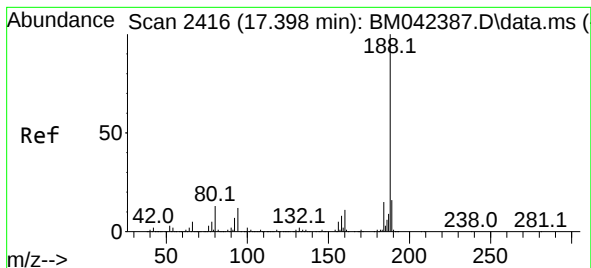
Reviewed By :Yogesh Patel 10/24/2023
Supervised By :mohammad ahmed 10/25/2023



#45
2-Fluorobiphenyl
Concen: 62.808 ng
RT: 13.263 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM042411.D
Acq: 23 Oct 2023 20:35

Tgt Ion:172 Resp: 1276091
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.3 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng m

RT: 17.474 min Scan# 2416

Delta R.T. 0.077 min

Lab File: BM042411.D

Acq: 23 Oct 2023 20:35

Instrument :

BNA_M

ClientSampleId :

WC-1

Tgt Ion:188 Resp: 12863

Ion Ratio Lower Upper

188 100

94 164.8 9.4 14.0

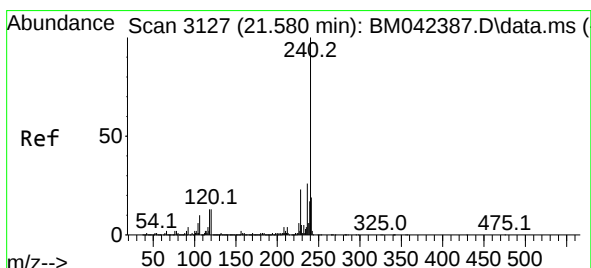
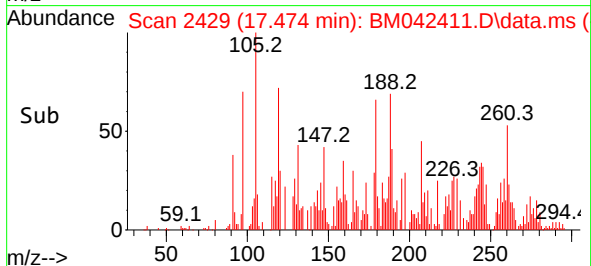
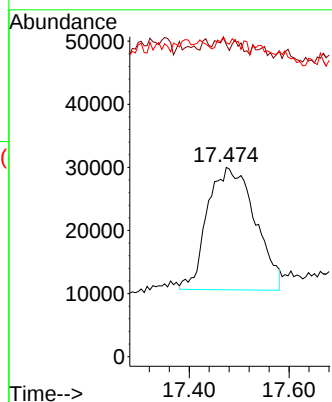
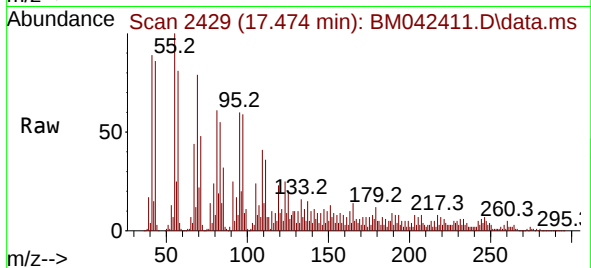
80 165.8 10.7 16.1

Manual Integrations

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Reviewed By :Yogesh Patel 10/24/2023

Supervised By :mohammad ahmed 10/25/2023



#76

Chrysene-d12

Concen: 20.000 ng m

RT: 21.651 min Scan# 3139

Delta R.T. 0.071 min

Lab File: BM042411.D

Acq: 23 Oct 2023 20:35

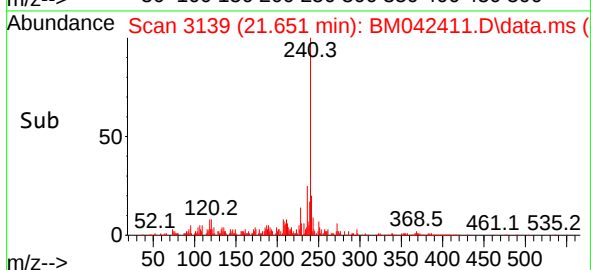
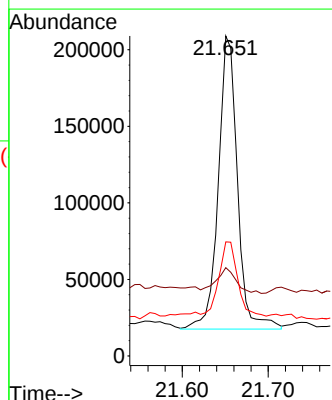
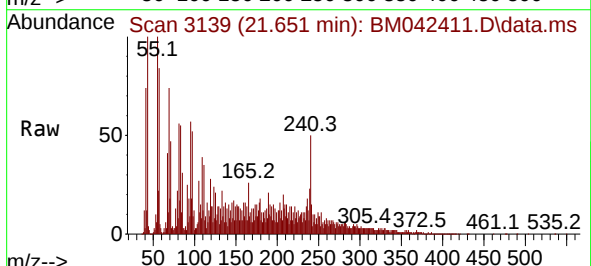
Tgt Ion:240 Resp: 296247

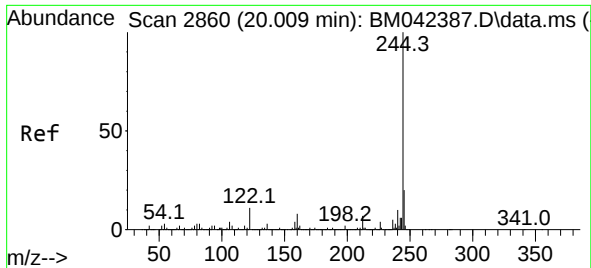
Ion Ratio Lower Upper

240 100

120 27.6 10.7 16.1#

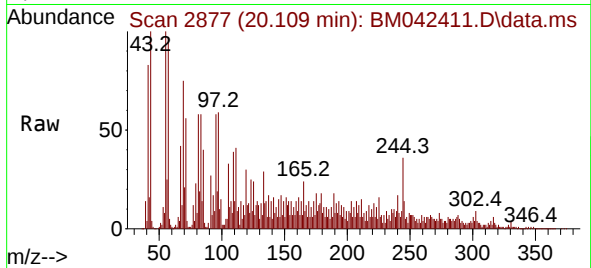
236 35.7 20.7 31.1#





#79
 Terphenyl-d14
 Concen: 19.436 ng
 RT: 20.109 min Scan# 21
 Delta R.T. 0.100 min
 Lab File: BM042411.D
 Acq: 23 Oct 2023 20:35

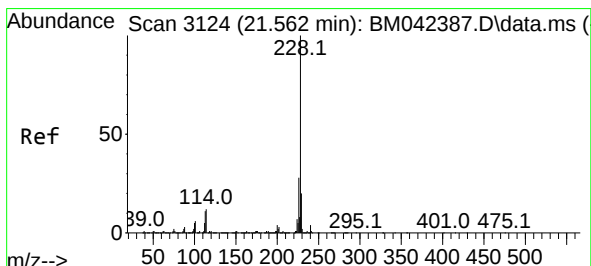
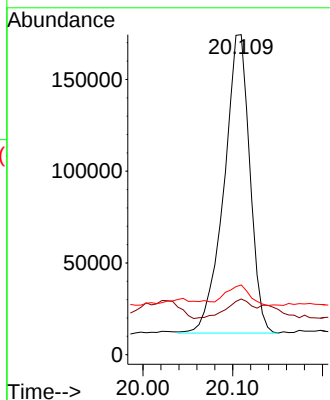
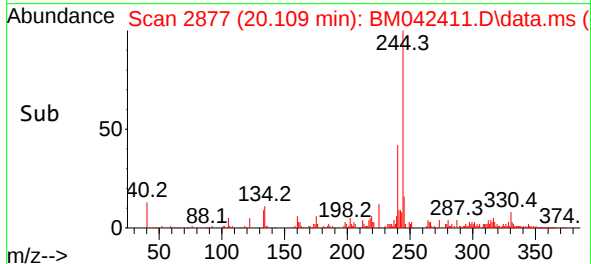
Instrument :
 BNA_M
 ClientSampleId :
 WC-1



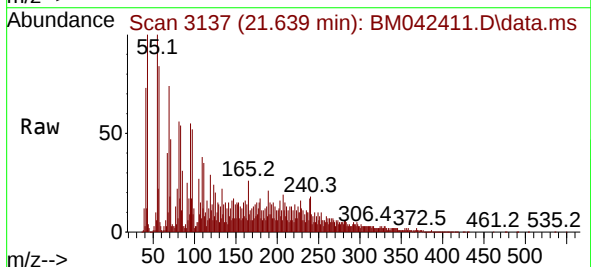
Tgt Ion:244 Resp: 324658
 Ion Ratio Lower Upper
 244 100
 212 17.4 5.6 8.4#
 122 21.8 8.8 13.2#

Manual Integrations
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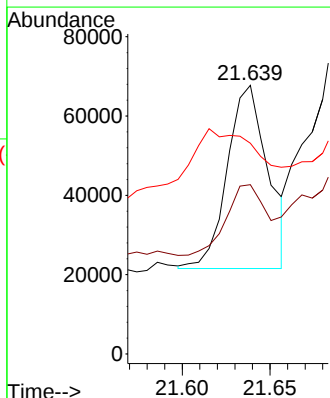
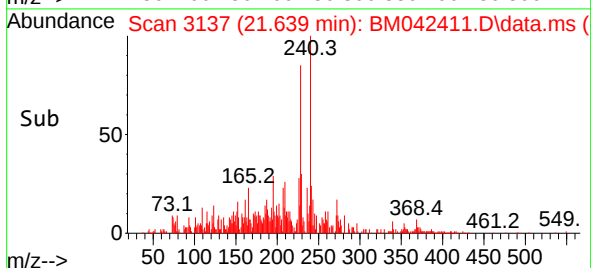
Reviewed By :Yogesh Patel 10/24/2023
 Supervised By :mohammad ahmed 10/25/2023

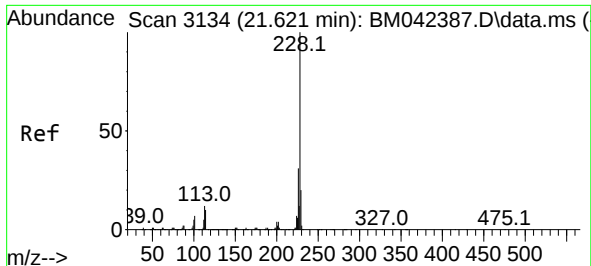


#81
 Benzo(a)anthracene
 Concen: 3.758 ng m
 RT: 21.639 min Scan# 3137
 Delta R.T. 0.077 min
 Lab File: BM042411.D
 Acq: 23 Oct 2023 20:35



Tgt Ion:228 Resp: 74630
 Ion Ratio Lower Upper
 228 100
 226 63.0 22.2 33.4#
 229 78.5 15.7 23.5#





#83

Chrysene

Concen: 6.177 ng m

RT: 21.692 min Scan# 3146

Delta R.T. 0.071 min

Lab File: BM042411.D

Acq: 23 Oct 2023 20:35

Instrument :

BNA_M

ClientSampleId :

WC-1

Tgt Ion:228 Resp: 117830

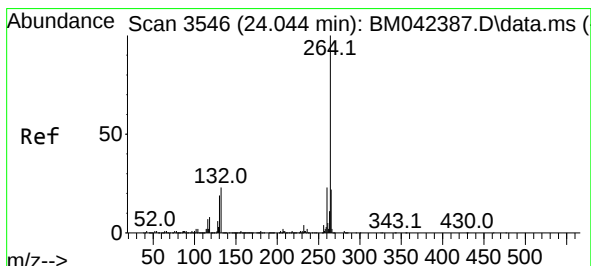
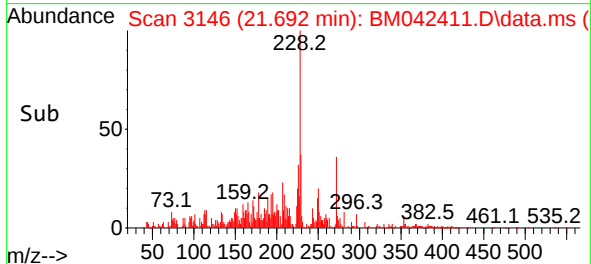
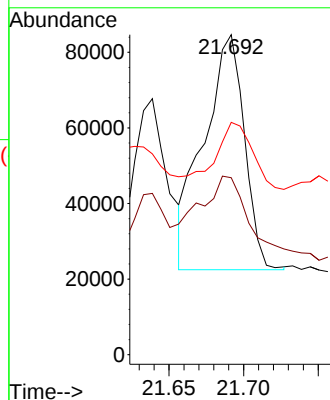
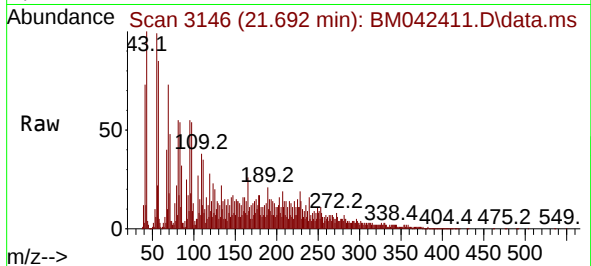
Ion	Ratio	Lower	Upper
228	100		
226	55.3	24.6	36.8
229	72.6	15.7	23.5

Manual Integrations

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Supervised By :mohammad ahmed 10/25/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.086 min Scan# 3553

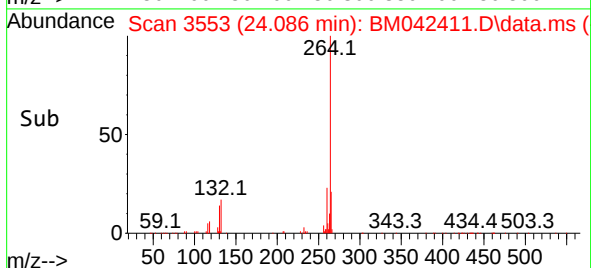
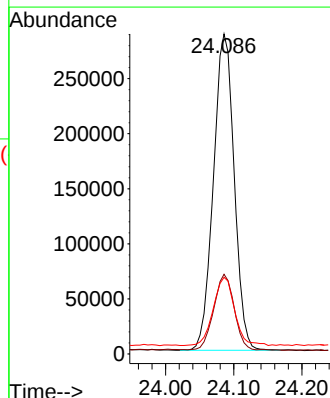
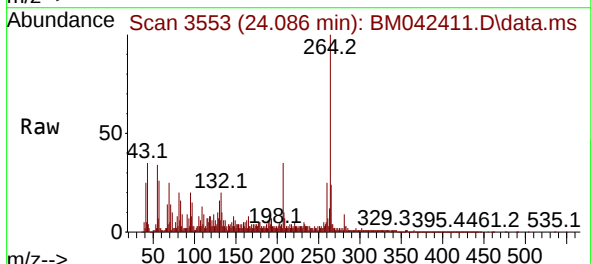
Delta R.T. 0.041 min

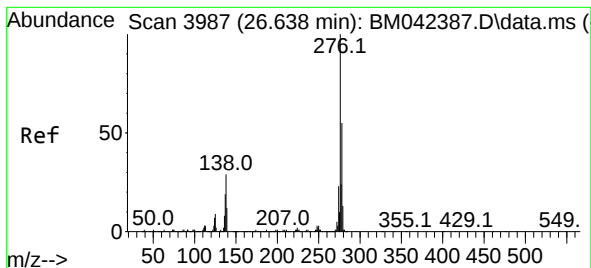
Lab File: BM042411.D

Acq: 23 Oct 2023 20:35

Tgt Ion:264 Resp: 608611

Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.6	27.8
265	23.9	17.8	26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.569 ng

RT: 26.650 min Scan# 3411

Delta R.T. 0.012 min

Lab File: BM042411.D

Acq: 23 Oct 2023 20:35

Instrument :

BNA_M

ClientSampleId :

WC-1

Tgt Ion:276 Resp: 158758

Ion Ratio Lower Upper

276 100

138 24.7 25.6 38.4

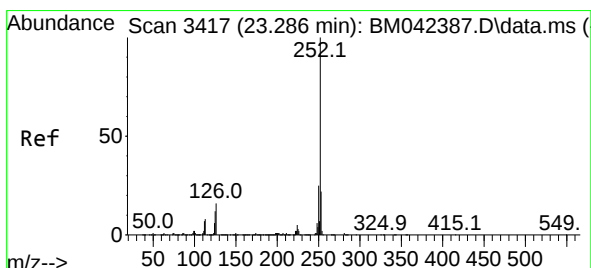
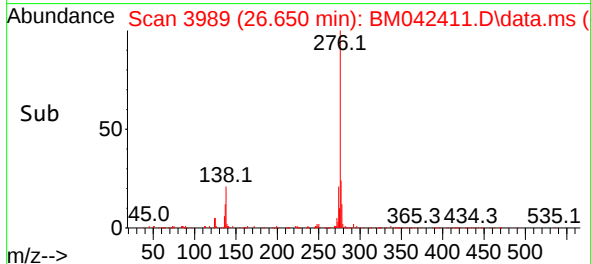
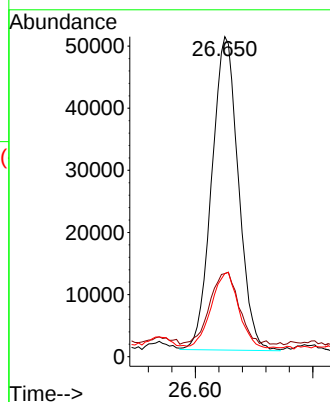
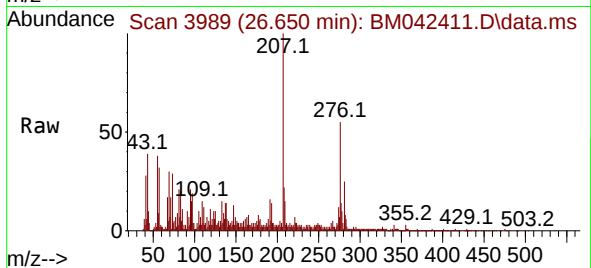
277 24.4 20.0 30.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/24/2023

Supervised By :mohammad ahmed 10/25/2023



#88

Benzo(b)fluoranthene

Concen: 8.232 ng

RT: 23.327 min Scan# 3424

Delta R.T. 0.041 min

Lab File: BM042411.D

Acq: 23 Oct 2023 20:35

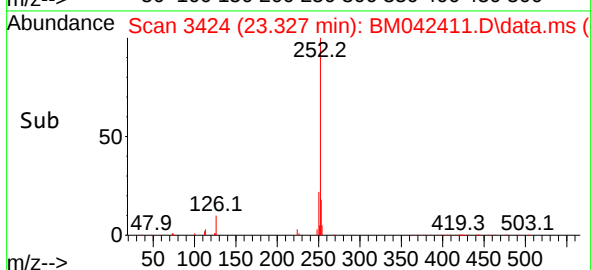
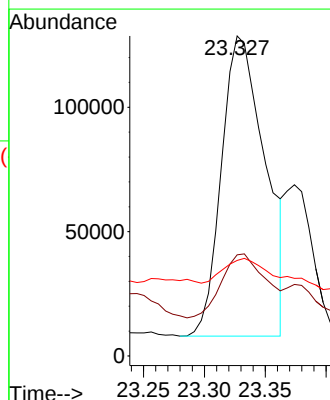
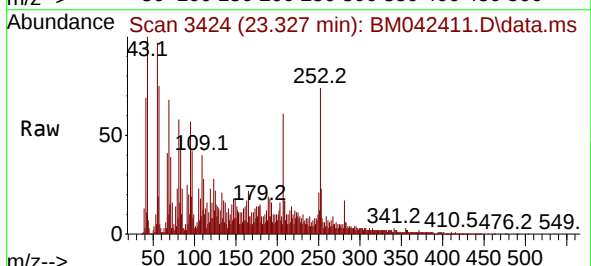
Tgt Ion:252 Resp: 301587

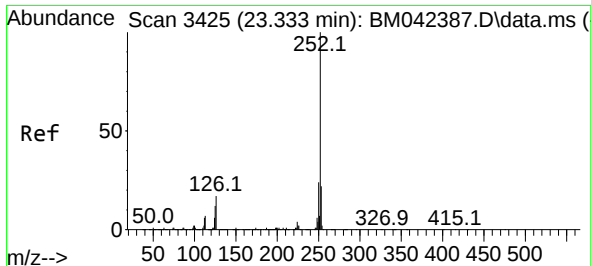
Ion Ratio Lower Upper

252 100

253 31.6 18.0 27.0#

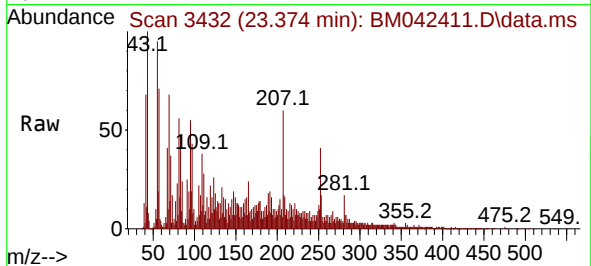
125 29.9 9.8 14.8#





#89
Benzo(k)fluoranthene
Concen: 2.510 ng m
RT: 23.374 min Scan# 3425
Delta R.T. 0.041 min
Lab File: BM042411.D
Acq: 23 Oct 2023 20:35

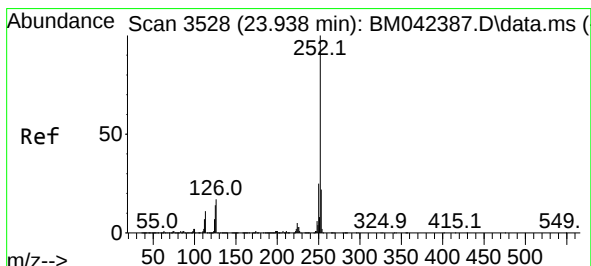
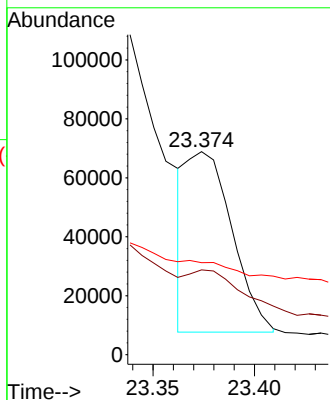
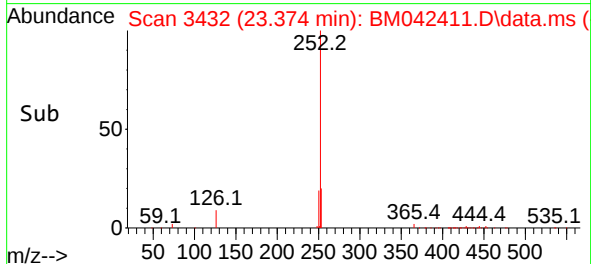
Instrument :
BNA_M
ClientSampleId :
WC-1



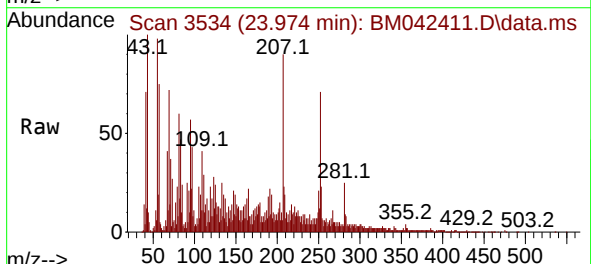
Tgt Ion:252 Resp: 9546
Ion Ratio Lower Upper
252 100
253 41.8 17.9 26.9#
125 45.3 10.2 15.2#

Manual Integrations
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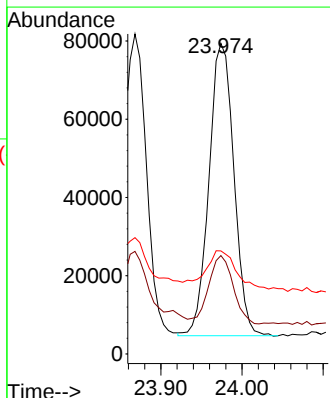
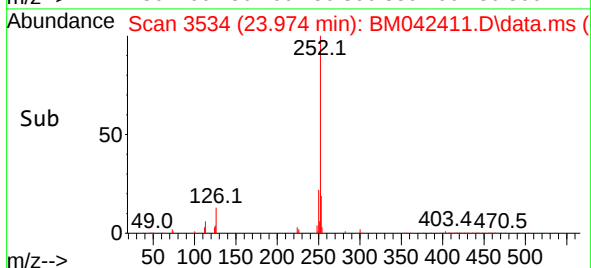
Reviewed By :Yogesh Patel 10/24/2023
Supervised By :mohammad ahmed 10/25/2023

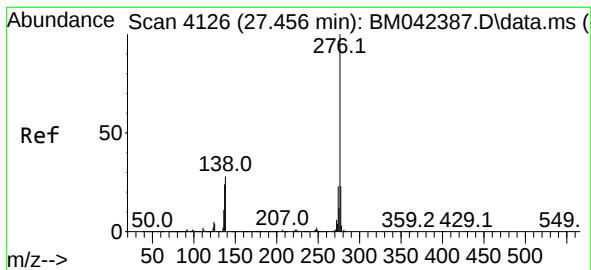


#90
Benzo(a)pyrene
Concen: 4.529 ng
RT: 23.974 min Scan# 3534
Delta R.T. 0.035 min
Lab File: BM042411.D
Acq: 23 Oct 2023 20:35



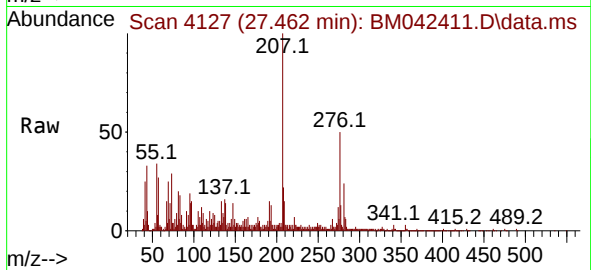
Tgt Ion:252 Resp: 159704
Ion Ratio Lower Upper
252 100
253 31.7 17.9 26.9#
125 33.2 10.9 16.3#





#92
 Benzo(g,h,i)perylene
 Concen: 4.487 ng
 RT: 27.462 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: BM042411.D
 Acq: 23 Oct 2023 20:35

Instrument :
 BNA_M
 ClientSampleId :
 WC-1



Tgt Ion: 276 Resp: 16115
 Ion Ratio Lower Upper
 276 100
 277 27.0 18.3 27.5
 138 28.1 22.6 34.0

Manual Integrations
 APPROVED

Reviewed By : Yogesh Patel 10/24/2023
 Supervised By : mohammad ahmed 10/25/2023

