

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102423\
 Data File : BM042430.D
 Acq On : 24 Oct 2023 21:32
 Operator : MA/JU
 Sample : 04841-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G-1-(5-10)

Manual Integrations
 APPROVED

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

Quant Time: Oct 25 02:14:34 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	7.992	152	136679	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	559043	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	337691	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	724881	20.000	ng	0.00
76) Chrysene-d12	21.574	240	633145	20.000	ng	0.00
86) Perylene-d12	24.044	264	665954	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	382280	39.529	ng	0.00
7) Phenol-d6	7.145	99	503450	38.846	ng	0.00
23) Nitrobenzene-d5	9.192	82	306833	24.270	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	155878	48.069	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	627500	25.023	ng	0.00
79) Terphenyl-d14	20.003	244	918332	25.723	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.869	128	131532	4.581	ng	99
37) 2-Methylnaphthalene	12.469	142	41426	2.143	ng	96
38) 1-Methylnaphthalene	12.686	142	39589	2.186	ng	97
49) Acenaphthylene	14.369	152	95298	3.003	ng	100
58) Fluorene	15.686	166	79945	3.339	ng	99
71) Phenanthrene	17.433	178	808950	20.514	ng	100
72) Anthracene	17.527	178	302634	7.749	ng	100
75) Fluoranthene	19.445	202	956123	22.015	ng	98
78) Pyrene	19.815	202	970884	21.944	ng	99
81) Benzo(a)anthracene	21.556	228	461687	10.877	ng	98
83) Chrysene	21.615	228	409290	10.040	ng	96
84) Bis(2-ethylhexyl)phtha...	21.439	149	8033	3.630	ng	# 87
87) Indeno(1,2,3-cd)pyrene	26.621	276	191766	3.940	ng	# 92
88) Benzo(b)fluoranthene	23.280	252	445183	11.106	ng	97
89) Benzo(k)fluoranthene	23.327	252	141507m	3.400	ng	
90) Benzo(a)pyrene	23.927	252	351141	9.101	ng	98
92) Benzo(g,h,i)perylene	27.432	276	188321	4.792	ng	94

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

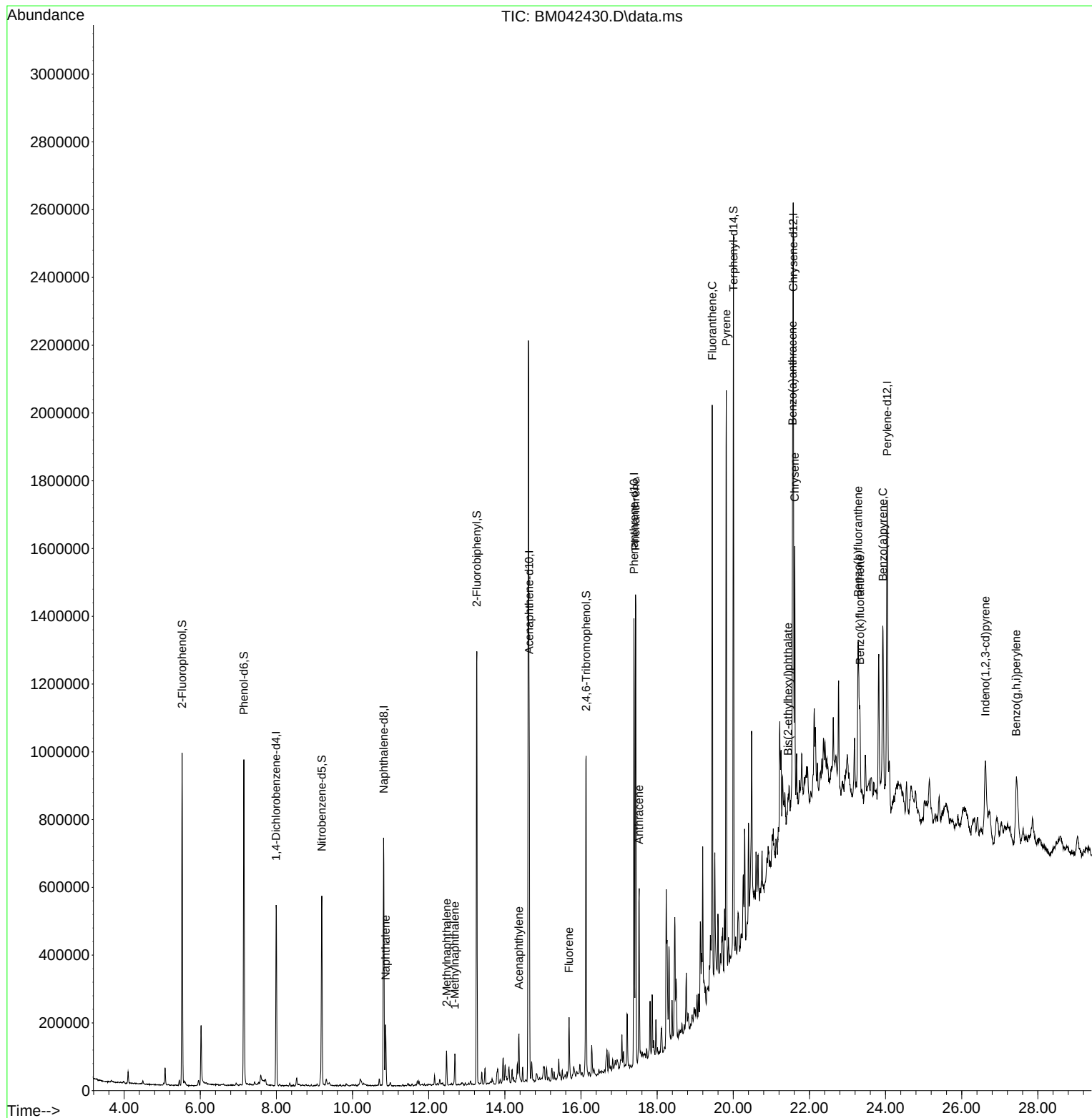
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102423\
Data File : BM042430.D
Acq On : 24 Oct 2023 21:32
Operator : MA/JU
Sample : 04841-01 2X
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ALS Vial : 19 Sample Multiplier: 1

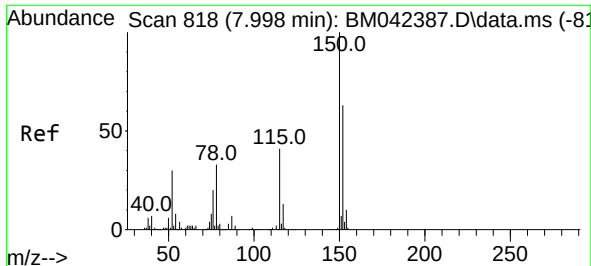
Instrument :
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ClientSampleId :
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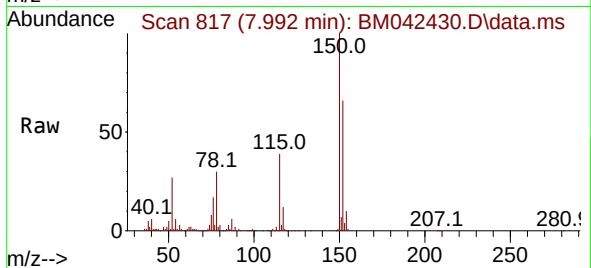
Quant Time: Oct 25 02:14:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 818
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

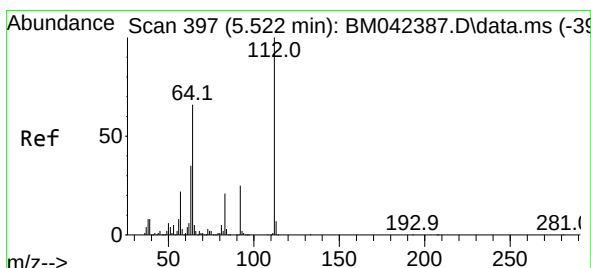
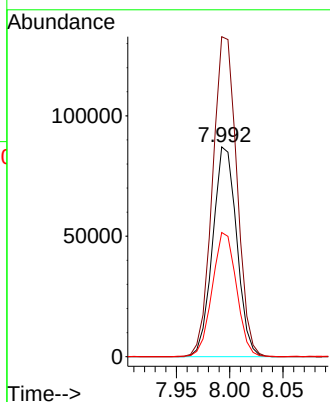
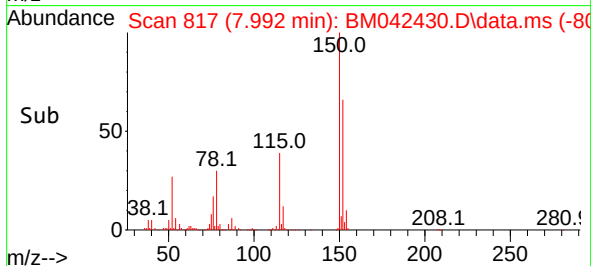
Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)



Tgt Ion:152 Resp: 136679
Ion Ratio Lower Upper
152 100
150 152.6 126.2 189.4
115 59.2 51.9 77.9

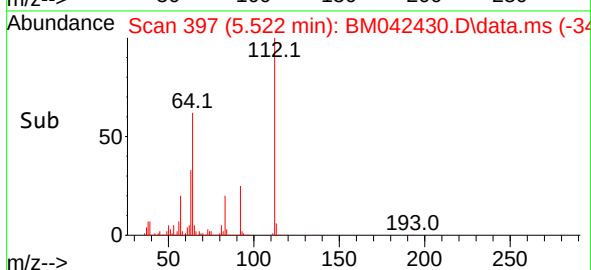
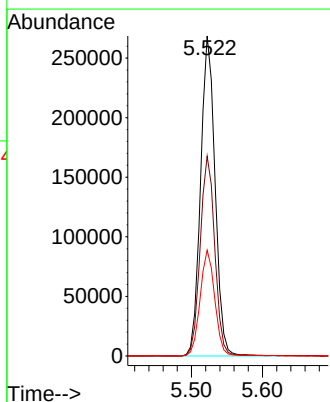
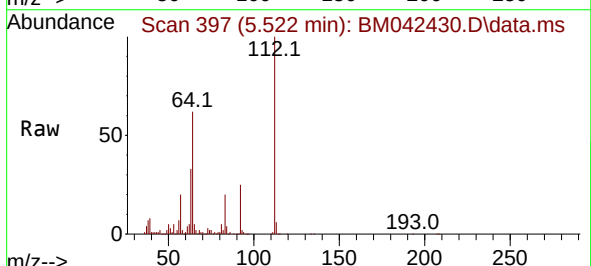
Manual Integrations
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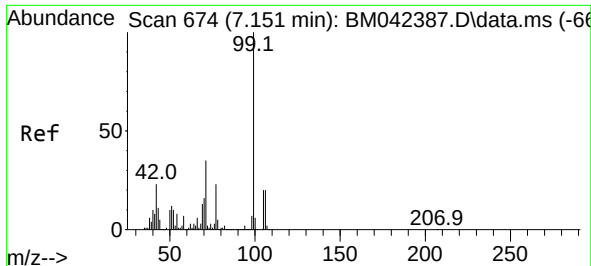
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#5
2-Fluorophenol
Concen: 39.529 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

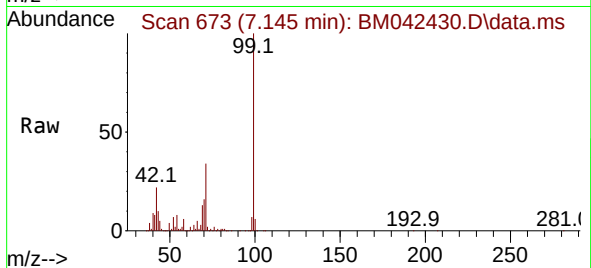
Tgt Ion:112 Resp: 382280
Ion Ratio Lower Upper
112 100
64 62.5 52.7 79.1
63 33.0 28.3 42.5





#7
Phenol-d6
Concen: 38.846 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

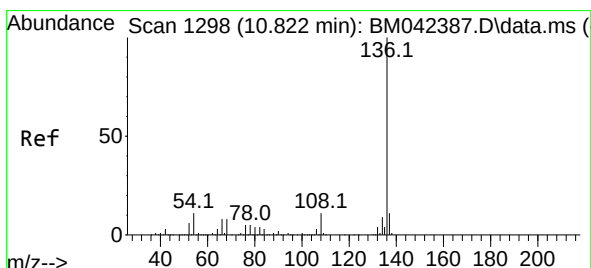
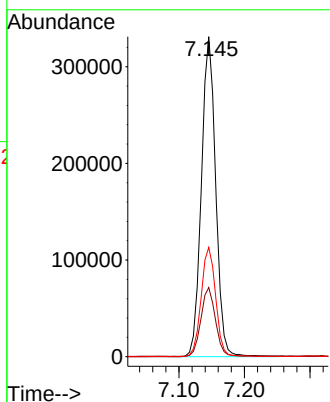
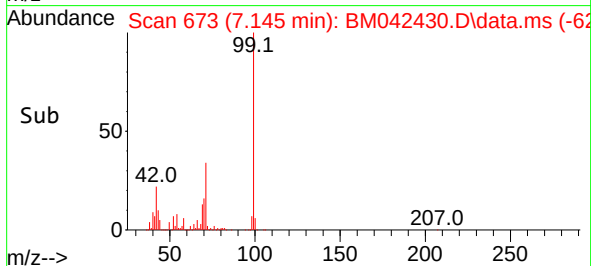
Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)



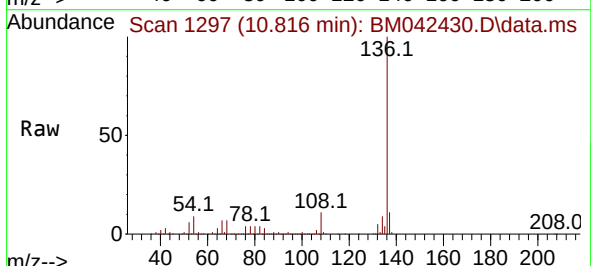
Tgt Ion: 99 Resp: 503450
Ion Ratio Lower Upper
99 100
42 21.6 18.5 27.7
71 34.1 27.7 41.5

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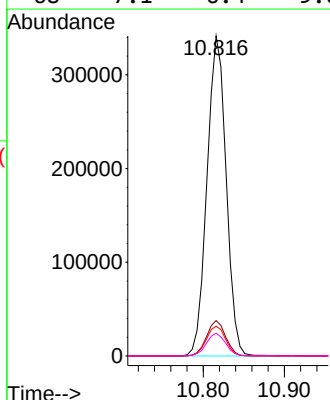
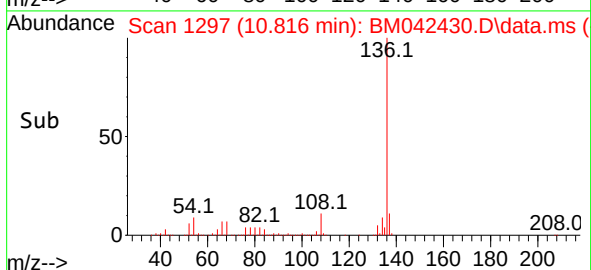
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

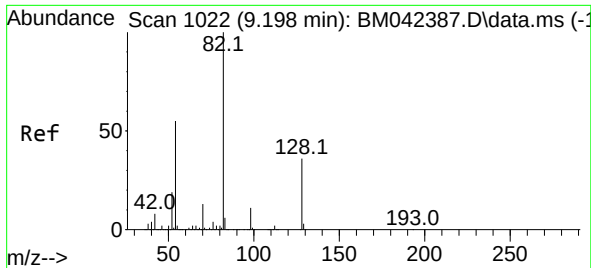


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32



Tgt Ion:136 Resp: 559043
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 9.3 8.6 12.8
68 7.1 6.4 9.6





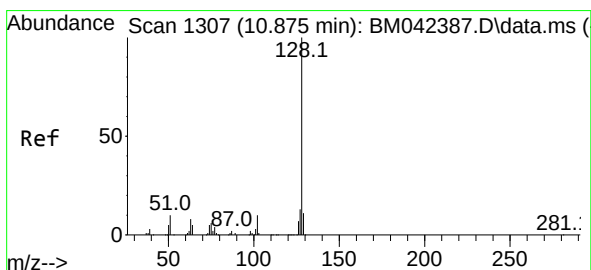
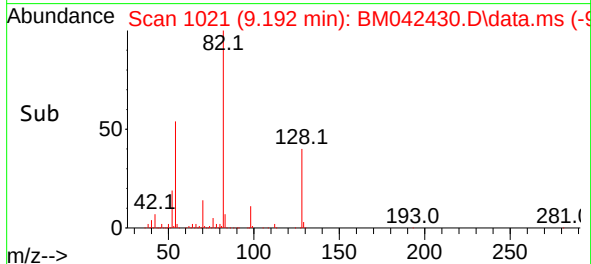
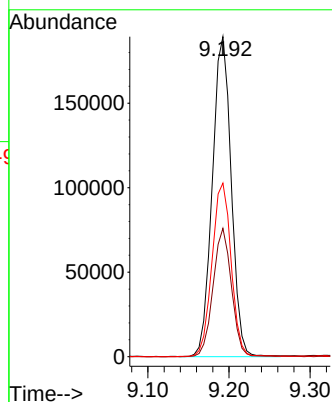
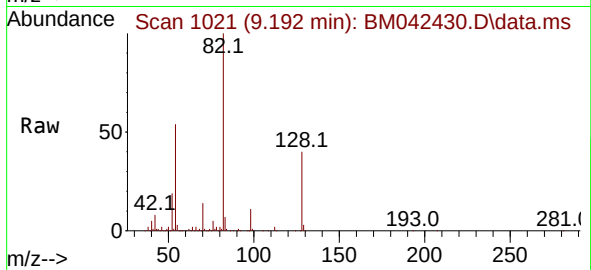
#23
Nitrobenzene-d5
Concen: 24.270 ng
RT: 9.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)

Tgt Ion: 82 Resp: 30683
Ion Ratio Lower Upper
82 100
128 40.1 29.0 43.6
54 54.2 43.7 65.5

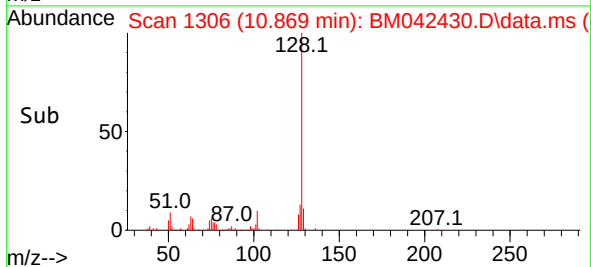
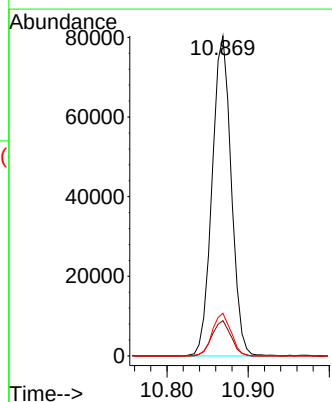
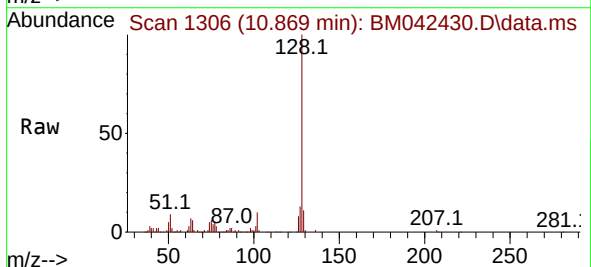
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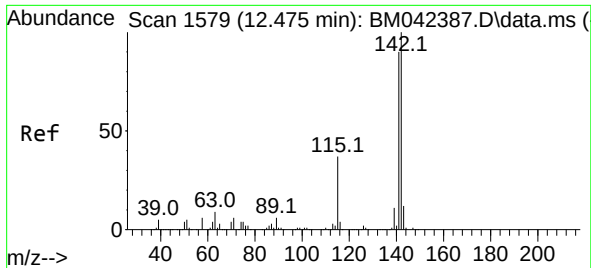
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#31
Naphthalene
Concen: 4.581 ng
RT: 10.869 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

Tgt Ion:128 Resp: 131532
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.3 10.4 15.6





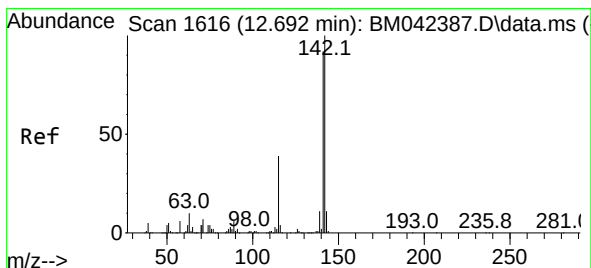
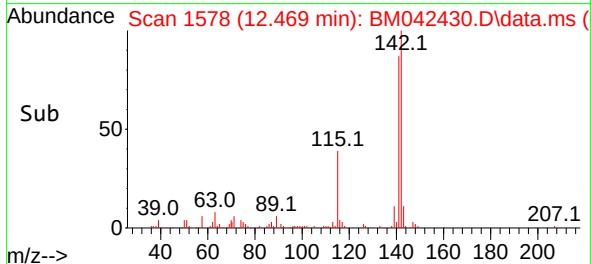
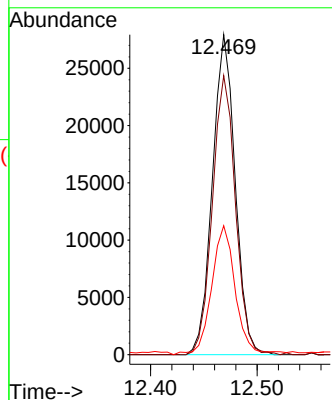
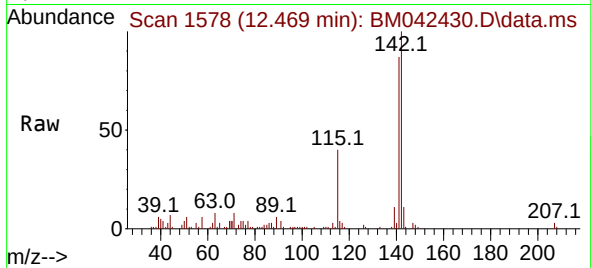
#37
2-Methylnaphthalene
Concen: 2.143 ng
RT: 12.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)

Tgt Ion:142 Resp: 41420
Ion Ratio Lower Upper
142 100
141 87.2 72.0 108.0
115 40.3 29.4 44.2

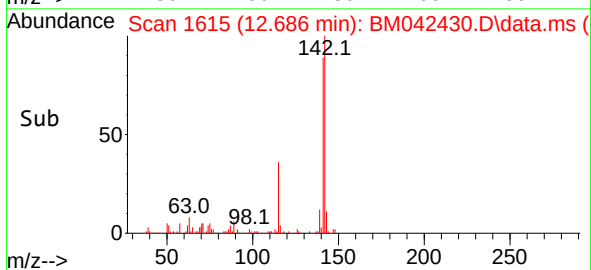
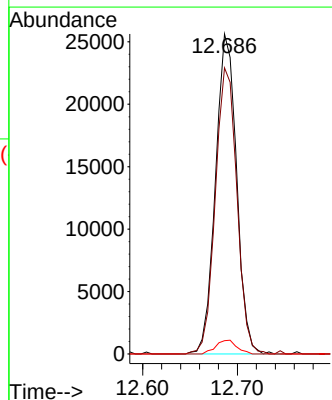
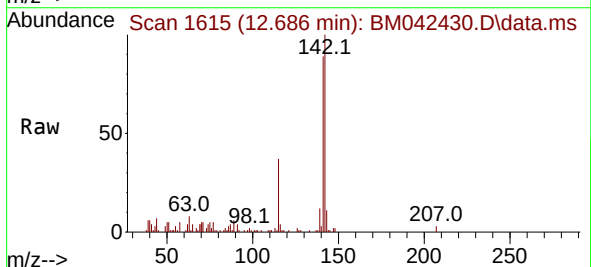
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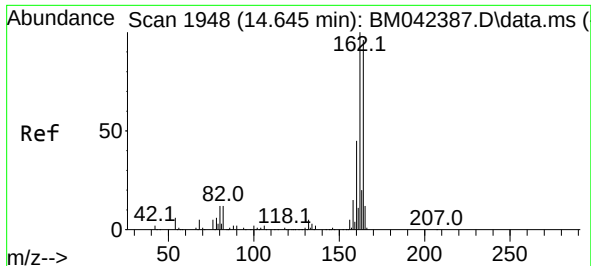
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#38
1-Methylnaphthalene
Concen: 2.186 ng
RT: 12.686 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

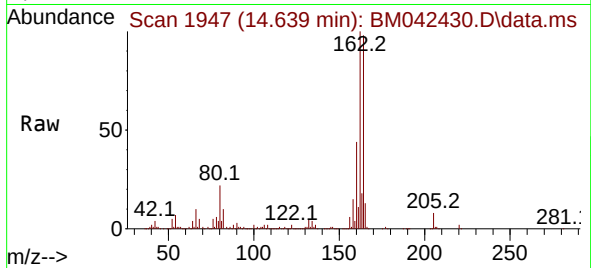
Tgt Ion:142 Resp: 39589
Ion Ratio Lower Upper
142 100
141 89.4 73.8 110.6
116 4.2 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.639 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

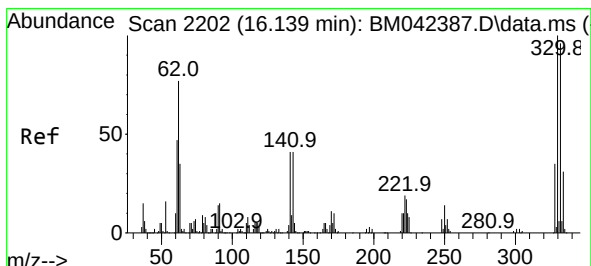
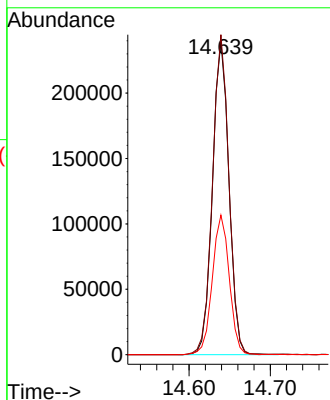
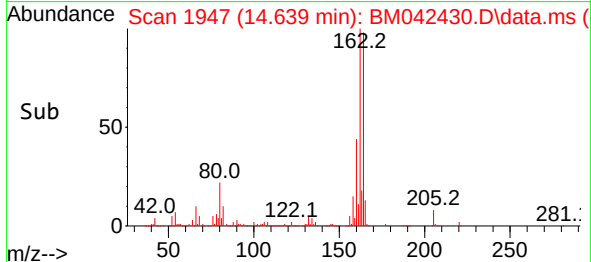
Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)



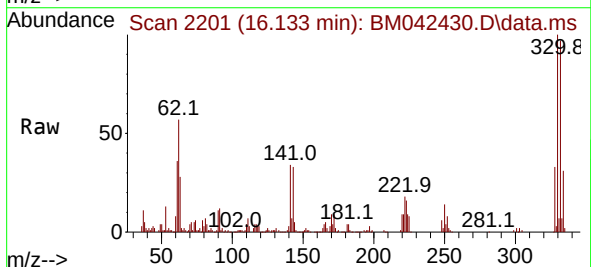
Tgt Ion:164 Resp: 33769
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.4
160 44.6 37.0 55.4

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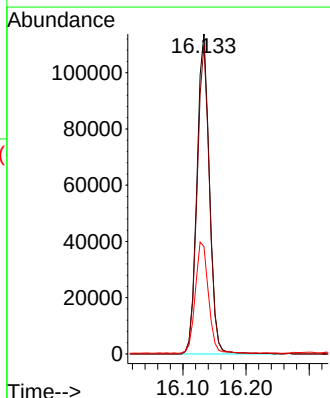
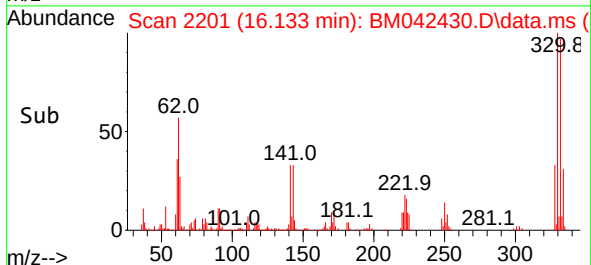
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

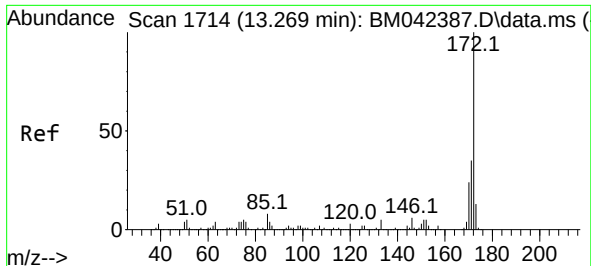


#42
2,4,6-Tribromophenol
Concen: 48.069 ng
RT: 16.133 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32



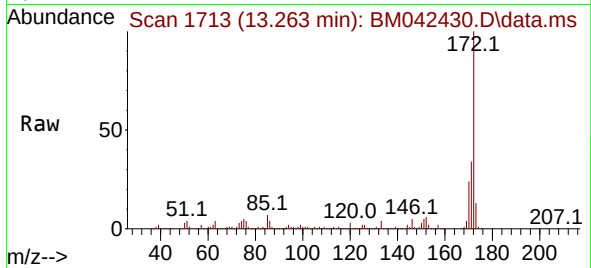
Tgt Ion:330 Resp: 155878
Ion Ratio Lower Upper
330 100
332 95.6 77.6 116.4
141 36.6 38.0 57.0#





#45
2-Fluorobiphenyl
Concen: 25.023 ng
RT: 13.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

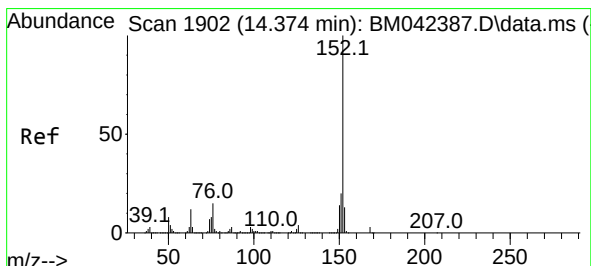
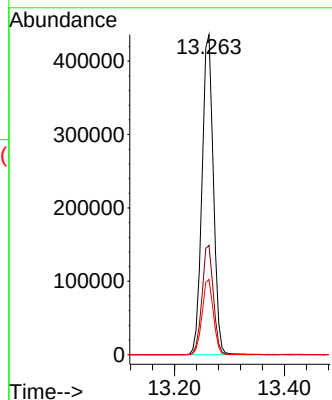
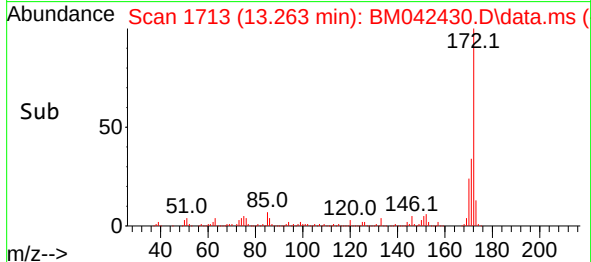
Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)



Tgt Ion:172 Resp: 627500
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 23.5 18.9 28.3

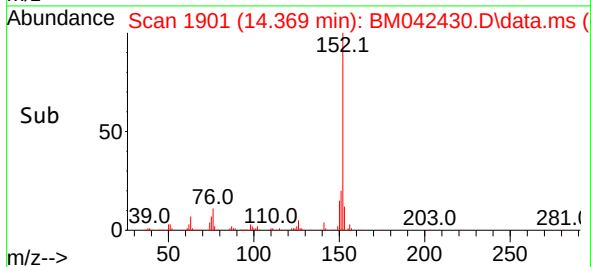
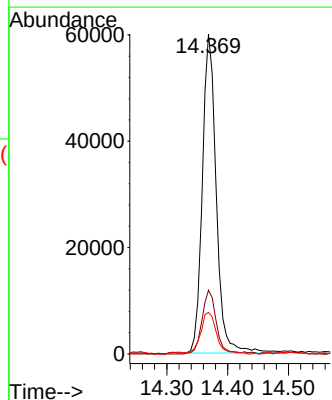
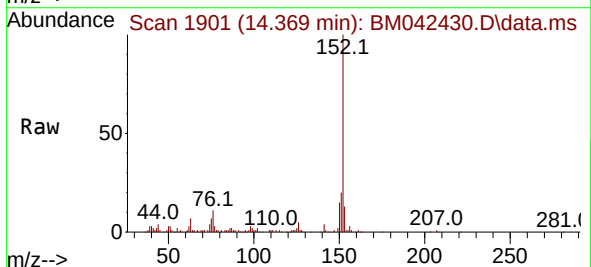
Manual Integrations
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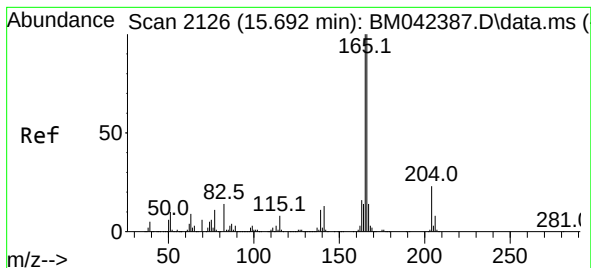
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#49
Acenaphthylene
Concen: 3.003 ng
RT: 14.369 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

Tgt Ion:152 Resp: 95298
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.0 10.5 15.7





#58

Fluorene

Concen: 3.339 ng

RT: 15.686 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BM042430.D

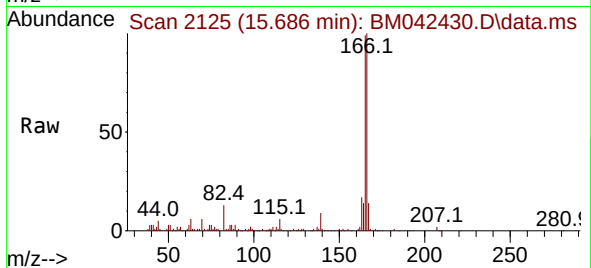
Acq: 24 Oct 2023 21:32

Instrument :

BNA_M

ClientSampleId :

G-1-(5-10)



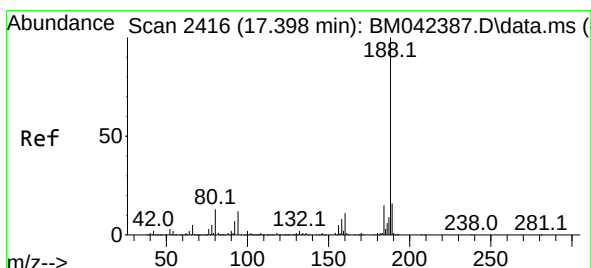
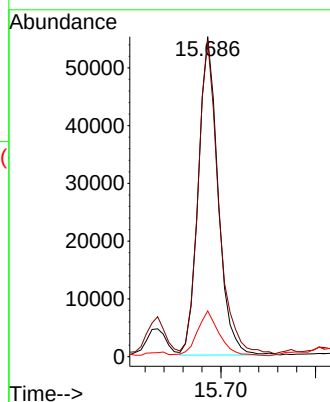
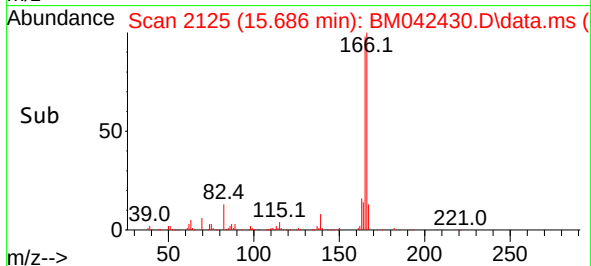
Tgt Ion:	166	Resp:	7994
Ion Ratio	Lower	Upper	
166	100		
165	98.8	79.6	119.4
167	14.3	10.9	16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

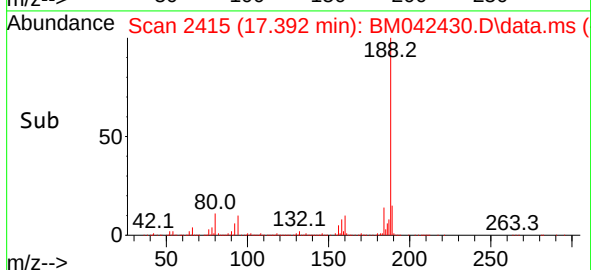
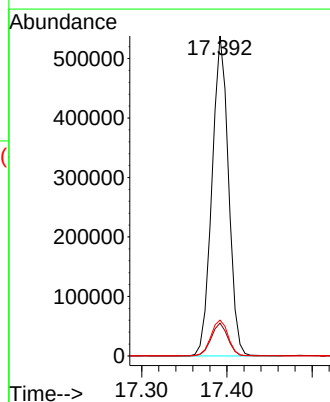
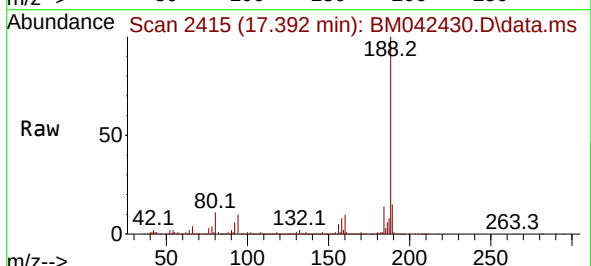
RT: 17.392 min Scan# 2415

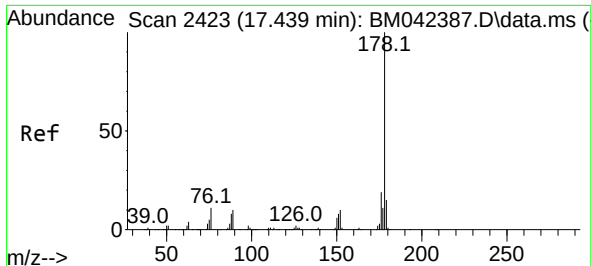
Delta R.T. -0.006 min

Lab File: BM042430.D

Acq: 24 Oct 2023 21:32

Tgt Ion:	188	Resp:	724881
Ion Ratio	Lower	Upper	
188	100		
94	10.3	9.4	14.0
80	11.2	10.7	16.1





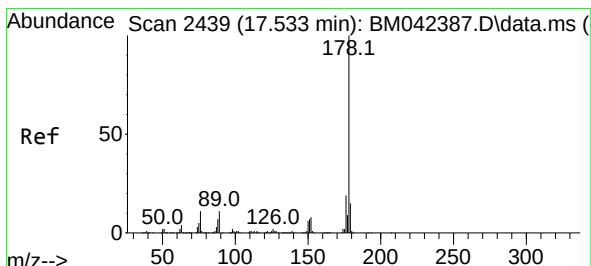
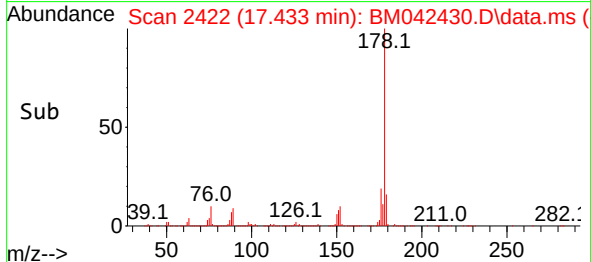
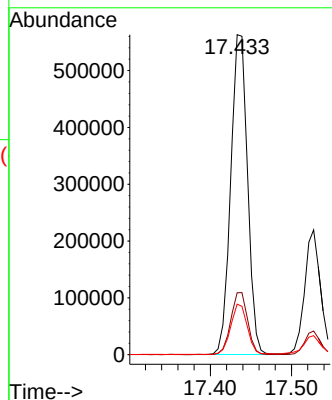
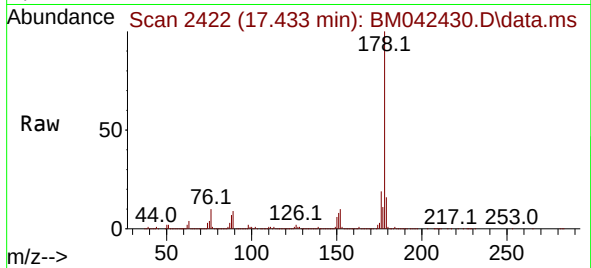
#71
Phenanthrene
Concen: 20.514 ng
RT: 17.433 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)

Tgt Ion:178 Resp: 808950
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.3 18.5

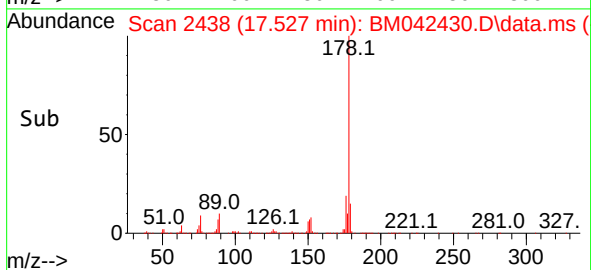
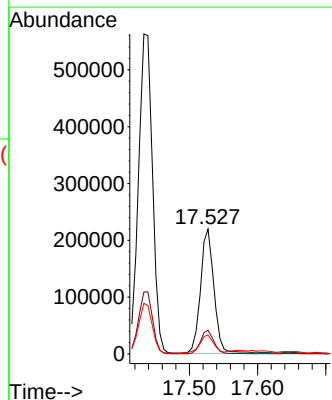
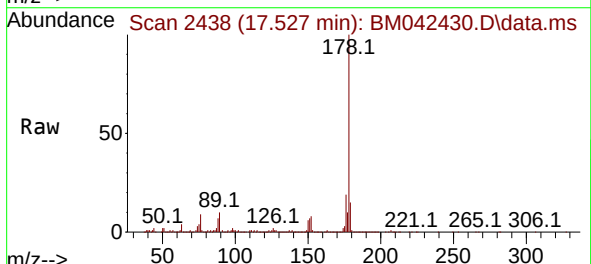
Manual Integrations
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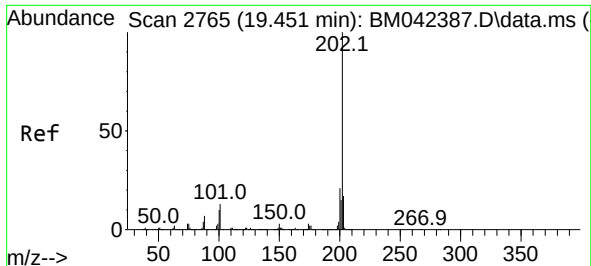
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#72
Anthracene
Concen: 7.749 ng
RT: 17.527 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

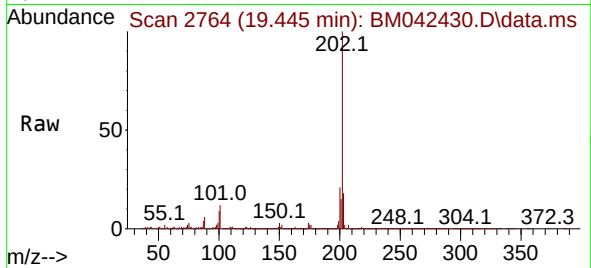
Tgt Ion:178 Resp: 302634
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.2 12.1 18.1





#75
Fluoranthene
Concen: 22.015 ng
RT: 19.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

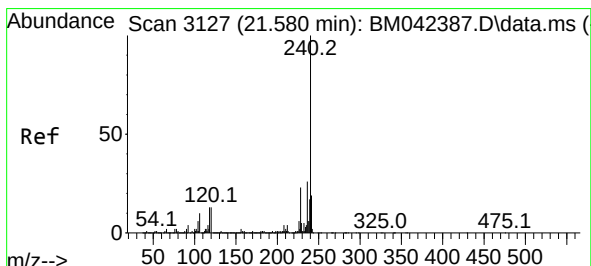
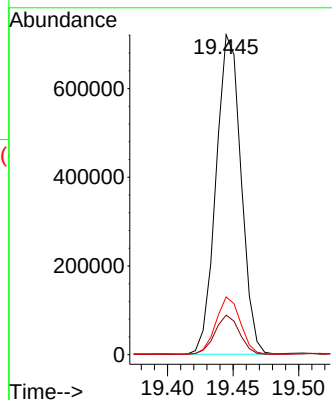
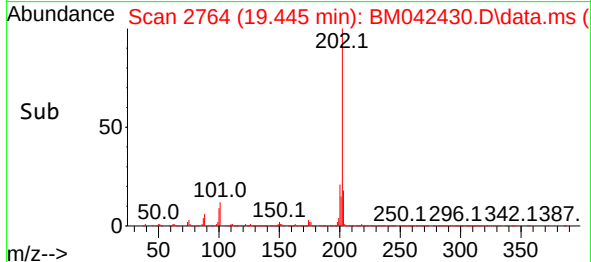
Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)



Tgt Ion:202 Resp: 95612
Ion Ratio Lower Upper
202 100
101 12.4 0.0 33.3
203 18.1 0.0 37.5

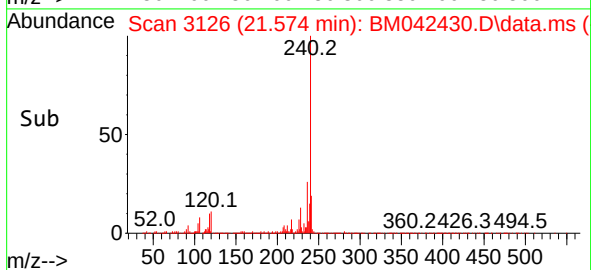
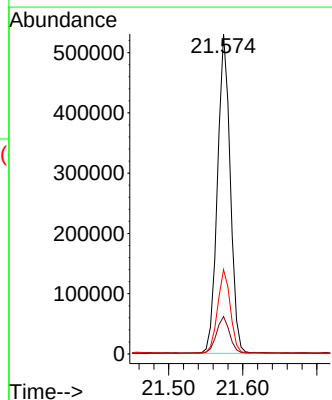
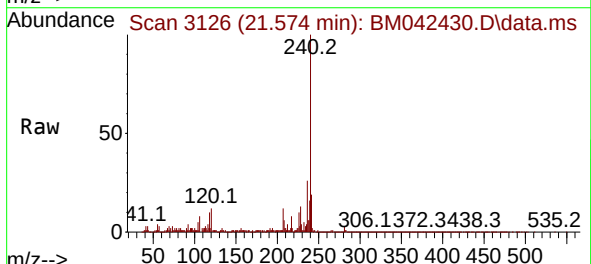
Manual Integrations
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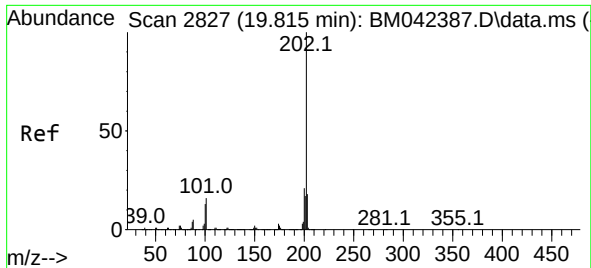
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

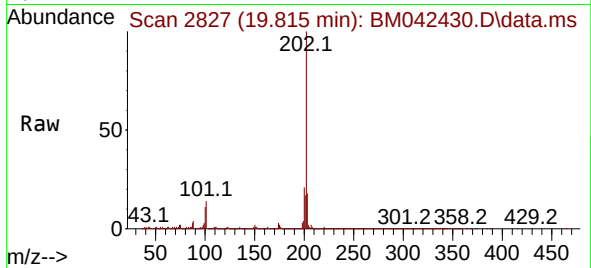
Tgt Ion:240 Resp: 633145
Ion Ratio Lower Upper
240 100
120 11.7 10.7 16.1
236 26.4 20.7 31.1





#78
 Pyrene
 Concen: 21.944 ng
 RT: 19.815 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM042430.D
 Acq: 24 Oct 2023 21:32

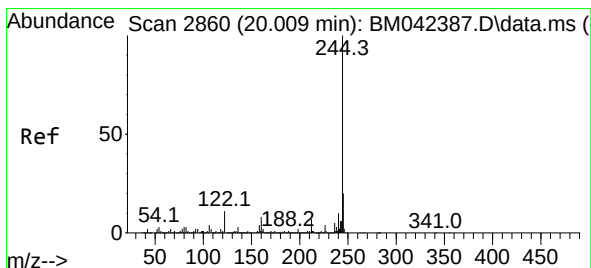
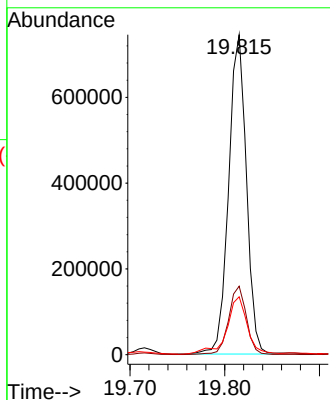
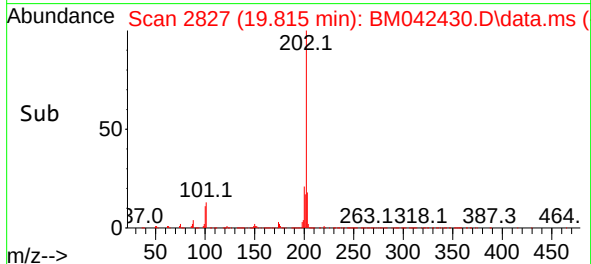
Instrument :
 BNA_M
 ClientSampleId :
 G-1-(5-10)



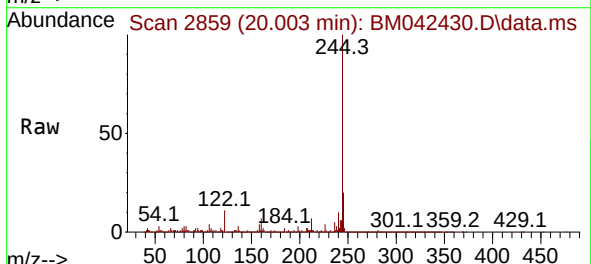
Tgt Ion:202 Resp: 970884
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.1 25.7
 203 18.1 14.1 21.1

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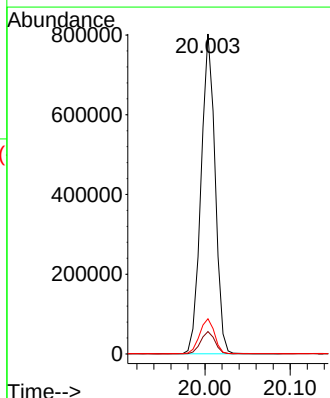
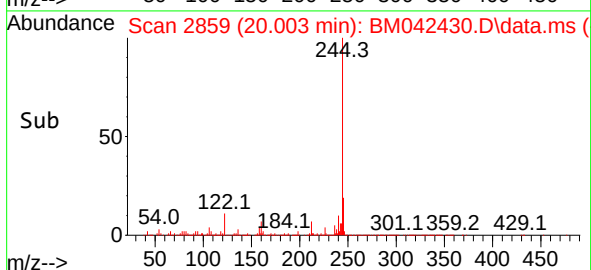
Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023

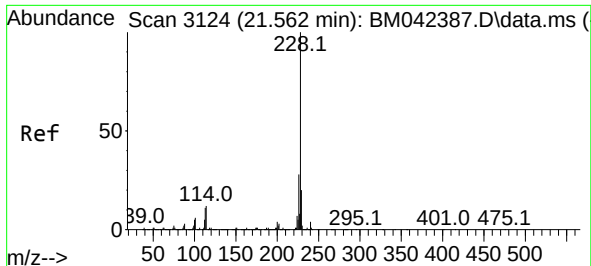


#79
 Terphenyl-d14
 Concen: 25.723 ng
 RT: 20.003 min Scan# 2859
 Delta R.T. -0.006 min
 Lab File: BM042430.D
 Acq: 24 Oct 2023 21:32



Tgt Ion:244 Resp: 918332
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.0 8.8 13.2





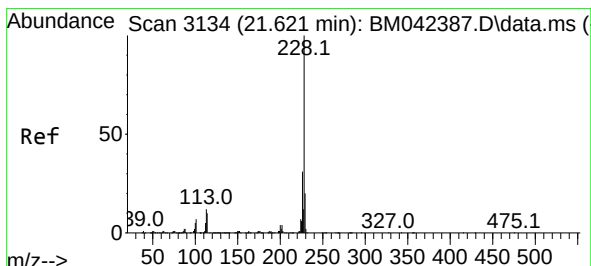
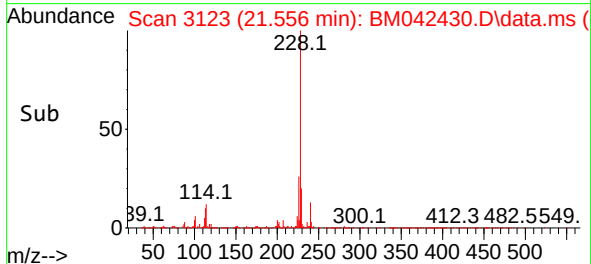
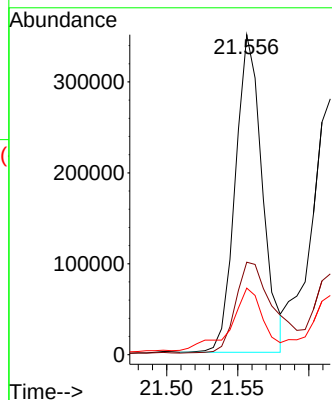
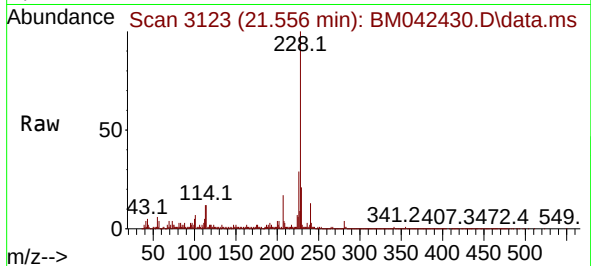
#81
Benzo(a)anthracene
Concen: 10.877 ng
RT: 21.556 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)

Tgt Ion:228 Resp: 46168
Ion Ratio Lower Upper
228 100
226 28.9 22.2 33.4
229 20.8 15.7 23.5

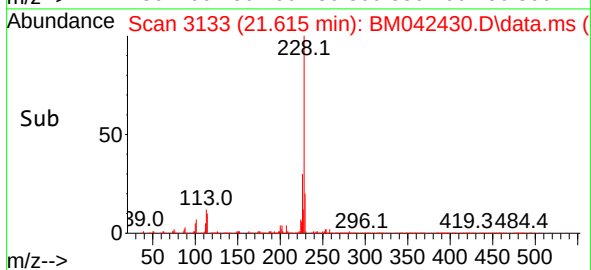
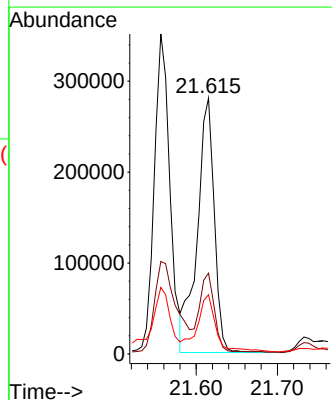
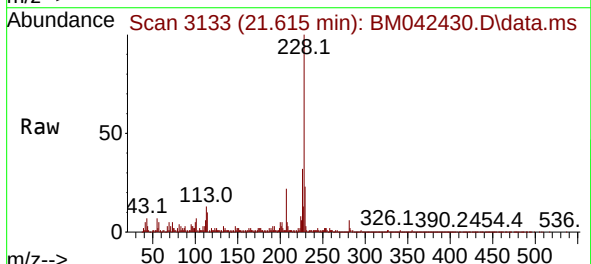
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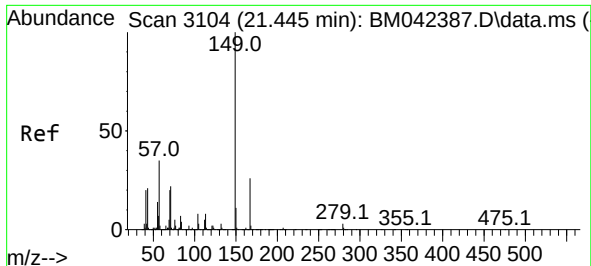
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#83
Chrysene
Concen: 10.040 ng
RT: 21.615 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

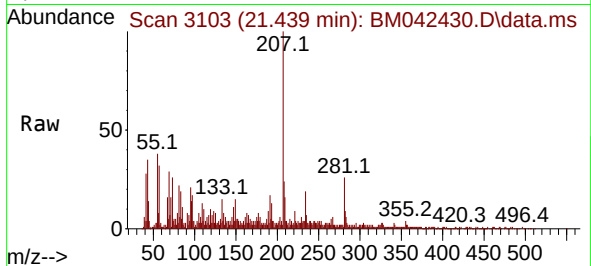
Tgt Ion:228 Resp: 409290
Ion Ratio Lower Upper
228 100
226 31.6 24.6 36.8
229 23.2 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.630 ng
RT: 21.439 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

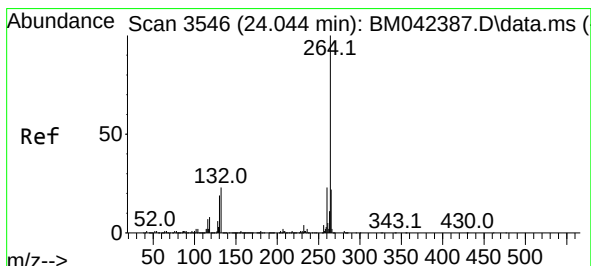
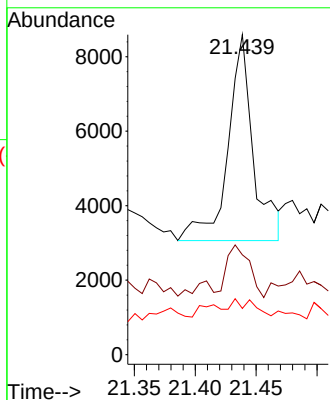
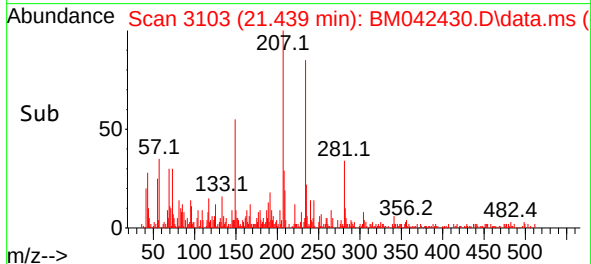
Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)



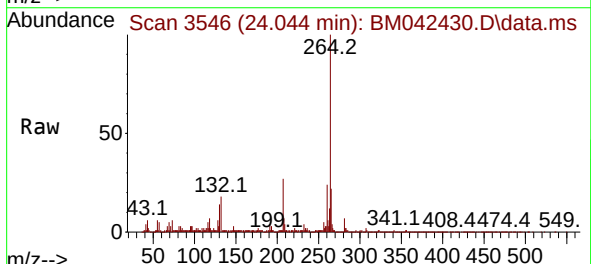
Tgt Ion:149 Resp: 803
Ion Ratio Lower Upper
149 100
167 31.2 20.9 31.3
279 14.4 2.7 4.1

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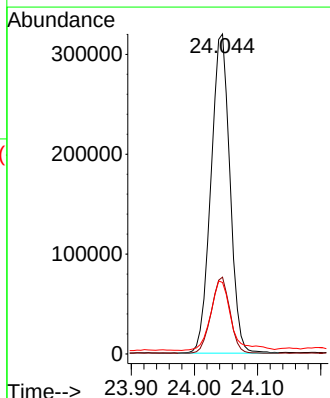
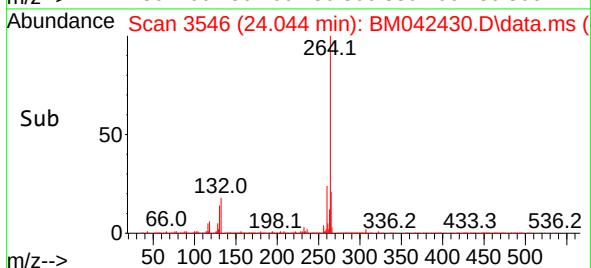
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

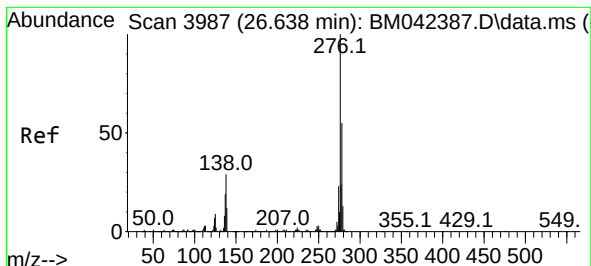


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.044 min Scan# 3546
Delta R.T. 0.000 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32



Tgt Ion:264 Resp: 665954
Ion Ratio Lower Upper
264 100
260 24.0 18.6 27.8
265 22.3 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.940 ng

RT: 26.621 min Scan# 3984

Delta R.T. -0.018 min

Lab File: BM042430.D

Acq: 24 Oct 2023 21:32

Instrument :

BNA_M

ClientSampleId :

G-1-(5-10)

Tgt Ion:276 Resp: 191760

Ion Ratio Lower Upper

276 100

138 24.5 25.6 38.4

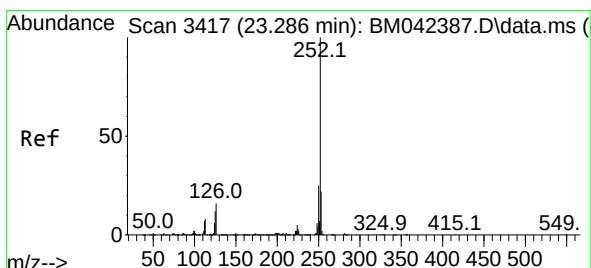
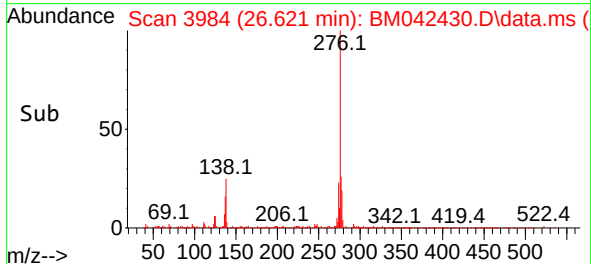
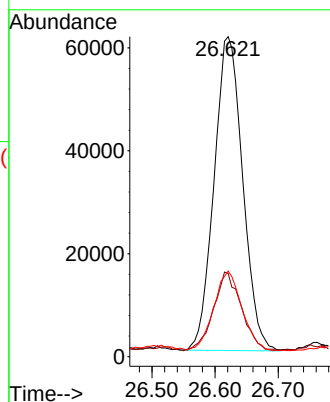
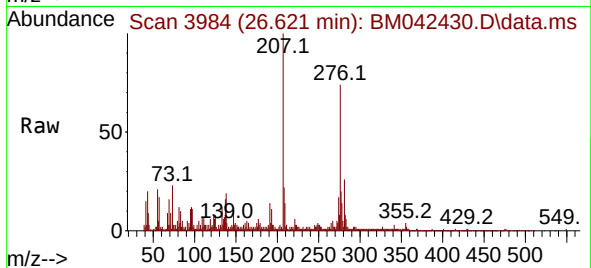
277 24.9 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#88

Benzo(b)fluoranthene

Concen: 11.106 ng

RT: 23.280 min Scan# 3416

Delta R.T. -0.006 min

Lab File: BM042430.D

Acq: 24 Oct 2023 21:32

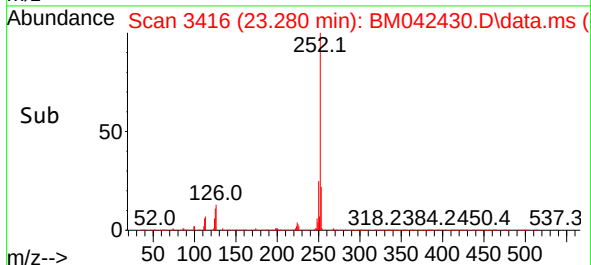
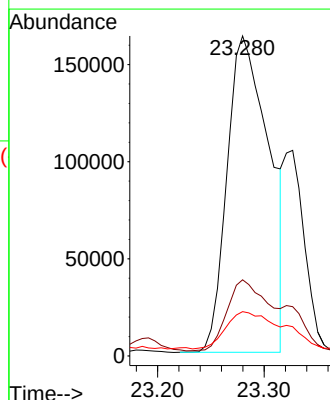
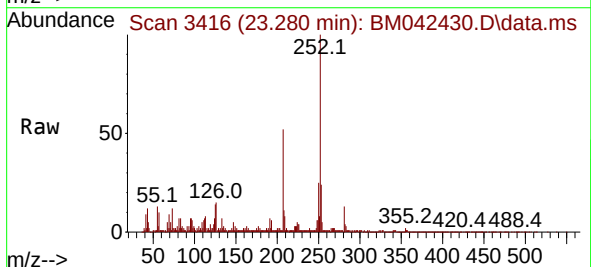
Tgt Ion:252 Resp: 445183

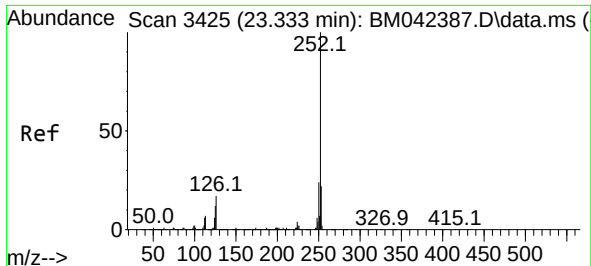
Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

125 13.8 9.8 14.8





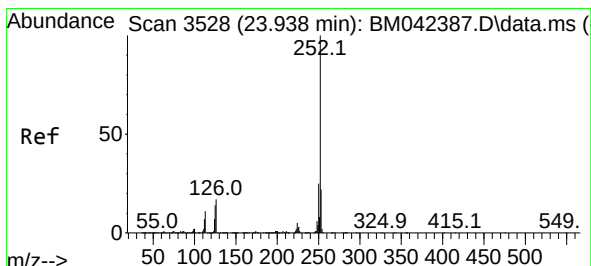
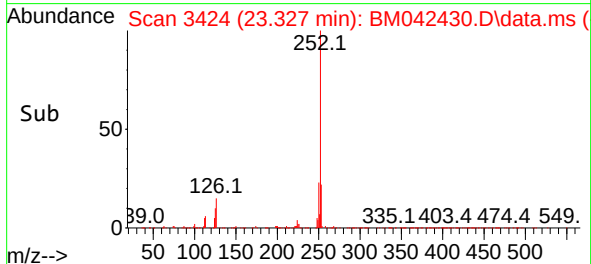
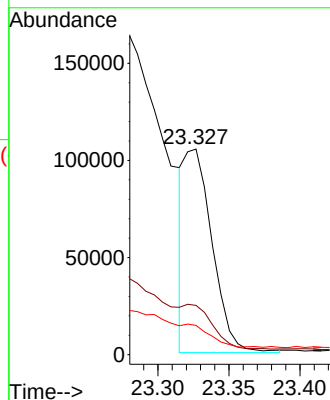
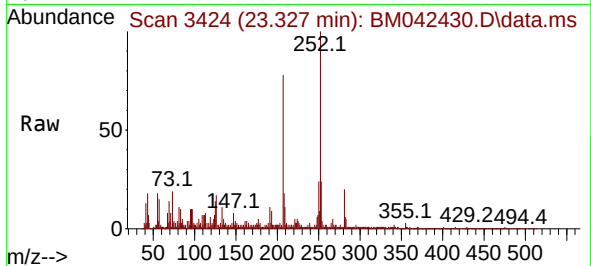
#89
Benzo(k)fluoranthene
Concen: 3.400 ng m
RT: 23.327 min Scan# 3425
Delta R.T. -0.006 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)

Tgt Ion:252 Resp: 14150
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 14.2 10.2 15.2

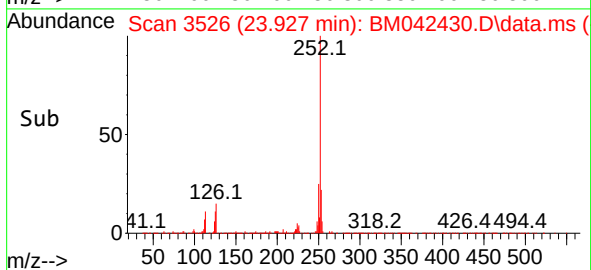
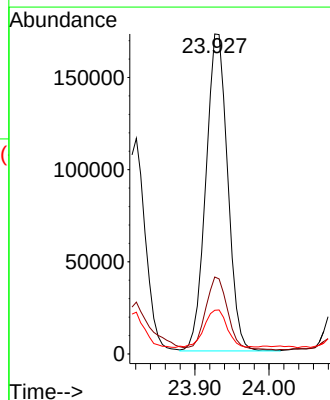
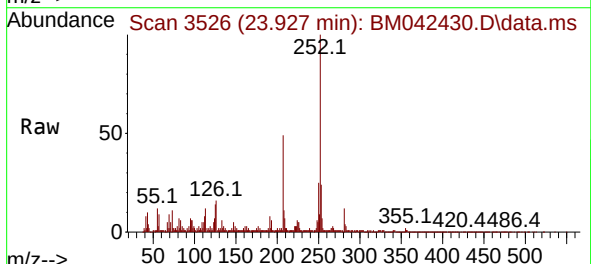
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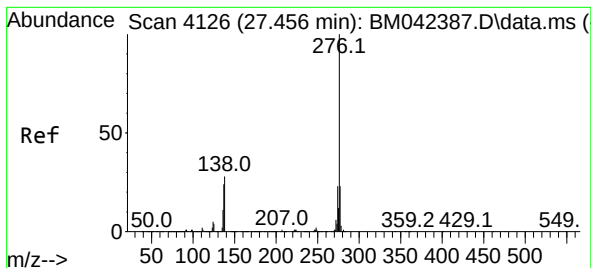
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#90
Benzo(a)pyrene
Concen: 9.101 ng
RT: 23.927 min Scan# 3526
Delta R.T. -0.012 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

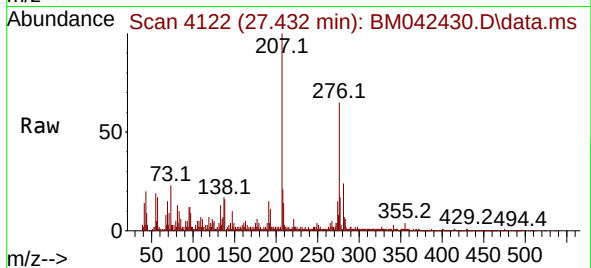
Tgt Ion:252 Resp: 351141
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 13.7 10.9 16.3





#92
Benzo(g,h,i)perylene
Concen: 4.792 ng
RT: 27.432 min Scan# 41
Delta R.T. -0.023 min
Lab File: BM042430.D
Acq: 24 Oct 2023 21:32

Instrument :
BNA_M
ClientSampleId :
G-1-(5-10)



Tgt Ion: 276 Resp: 18832
Ion Ratio Lower Upper
276 100
277 26.1 18.3 27.5
138 25.2 22.6 34.0

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

