

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
 Data File : BM047430.D
 Acq On : 03 Sep 2024 18:03
 Operator : RC/JU
 Sample : P3812-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-02-083024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
 Supervised By :mohammad ahmed 09/06/2024

Quant Time: Sep 04 00:27:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	244373	20.000	ng	0.00
21) Naphthalene-d8	10.098	136	848444	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	523970	20.000	ng	0.00
64) Phenanthrene-d10	16.780	188	993919	20.000	ng	0.00
76) Chrysene-d12	21.021	240	861050	20.000	ng	0.00
86) Perylene-d12	23.732	264	1021998	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	177597	13.943	ng	0.00
7) Phenol-d6	6.581	99	212940	12.272	ng	0.01
23) Nitrobenzene-d5	8.498	82	136312	8.914	ng	0.00
42) 2,4,6-Tribromophenol	15.533	330	80098	12.670	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	344038	10.089	ng	0.00
79) Terphenyl-d14	19.445	244	445879	9.217	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.727	152	111031	2.665	ng	98
71) Phenanthrene	16.821	178	262214	5.432	ng	99
72) Anthracene	16.915	178	137560	2.923	ng	97
75) Fluoranthene	18.856	202	654696	11.551	ng	99
78) Pyrene	19.227	202	703478	10.652	ng	100
81) Benzo(a)anthracene	21.003	228	357880	6.373	ng	95
83) Chrysene	21.062	228	364668m	6.904	ng	
87) Indeno(1,2,3-cd)pyrene	26.750	276	282009	4.408	ng	96
88) Benzo(b)fluoranthene	22.891	252	483202	8.104	ng	# 90
89) Benzo(k)fluoranthene	22.938	252	183514m	3.247	ng	
90) Benzo(a)pyrene	23.609	252	389493	7.554	ng	# 93
92) Benzo(g,h,i)perylene	27.691	276	291130	5.403	ng	96

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

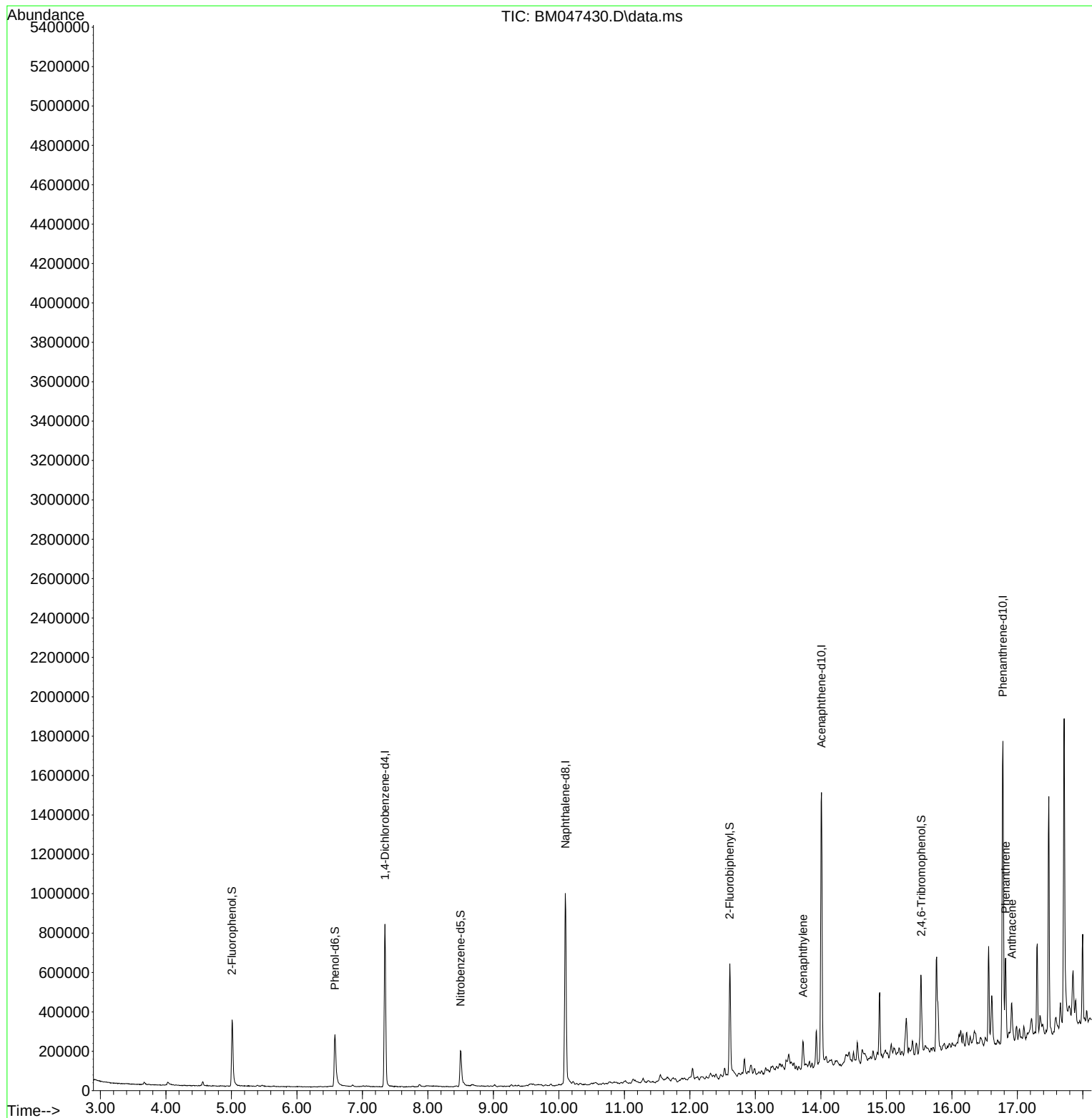
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
Data File : BM047430.D
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ALS Vial : 13 Sample Multiplier: 1

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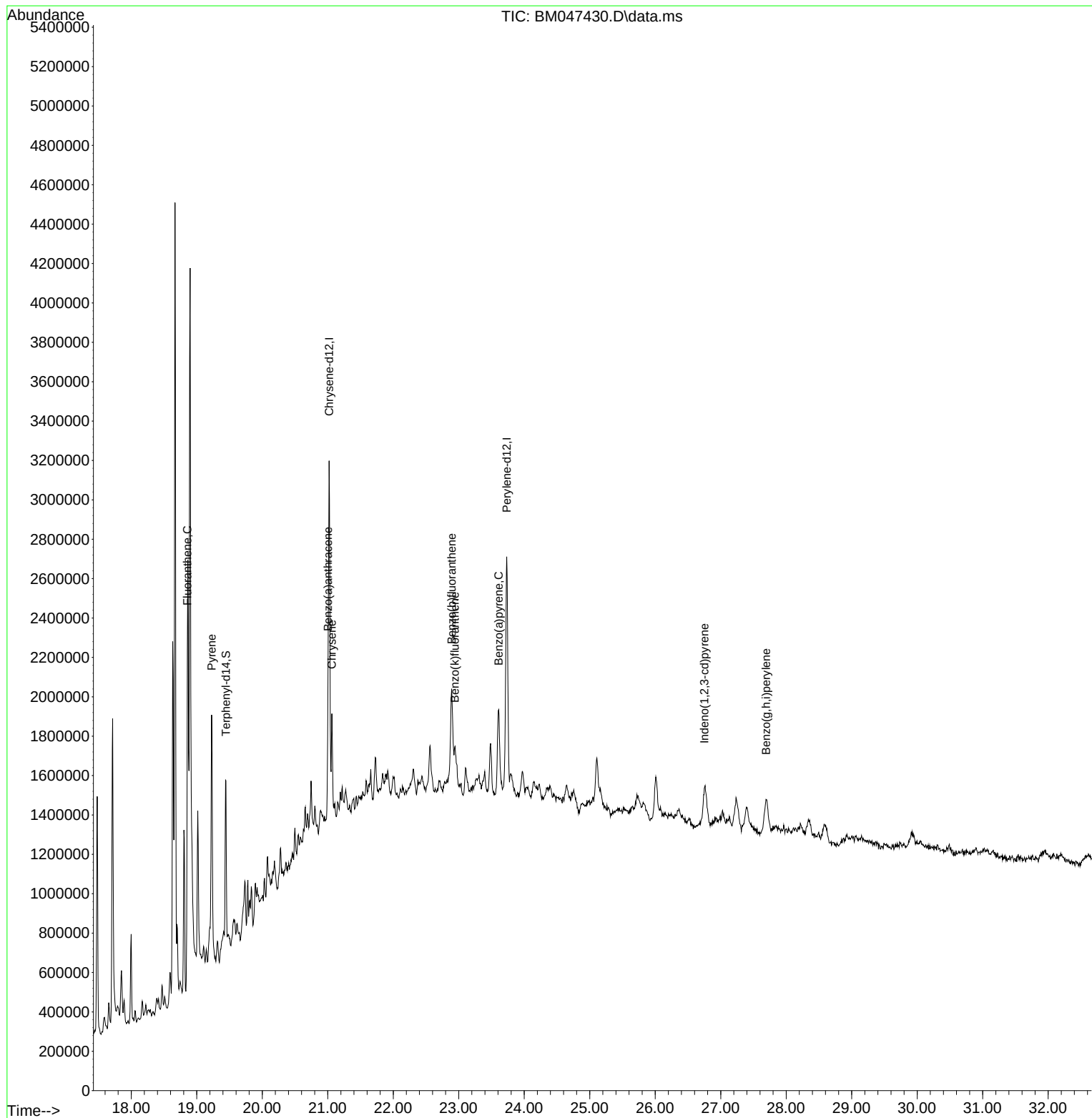
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Data File : BM047430.D
Acq On : 03 Sep 2024 18:03
Operator : RC/JU
Sample : P3812-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

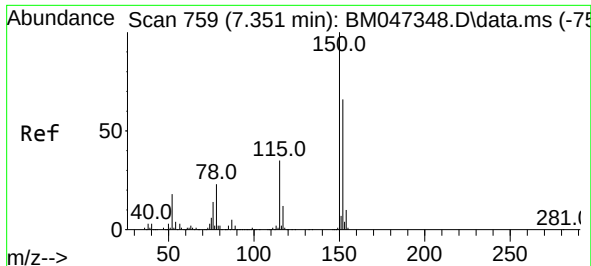
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BNA_M
ClientSampleId :
EO-02-083024

Quant Time: Sep 04 00:27:17 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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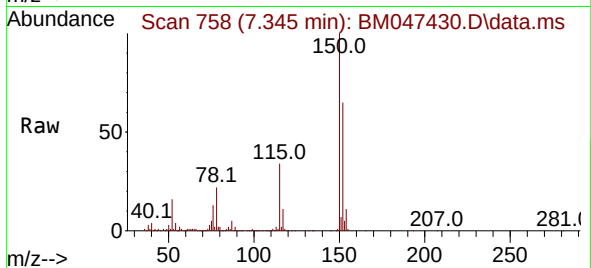
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.345 min Scan# 759
Delta R.T. -0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

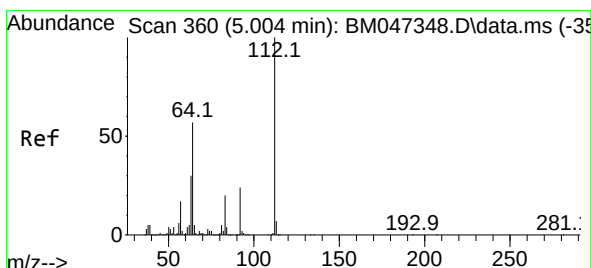
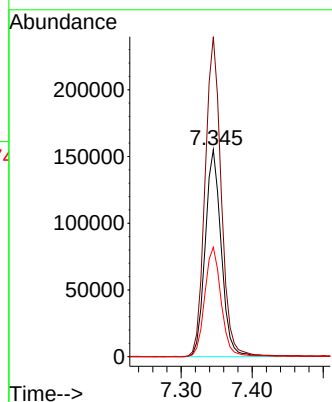
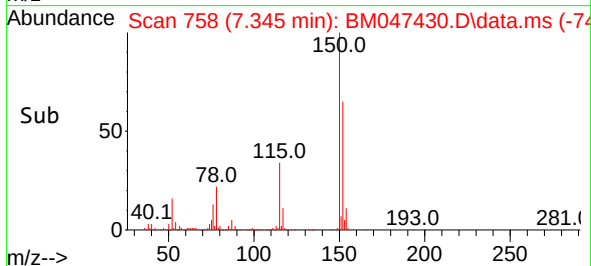
Instrument :
BNA_M
ClientSampleId :
EO-02-083024



Tgt Ion:152 Resp: 24437
Ion Ratio Lower Upper
152 100
150 154.5 121.3 181.9
115 52.9 42.6 64.0

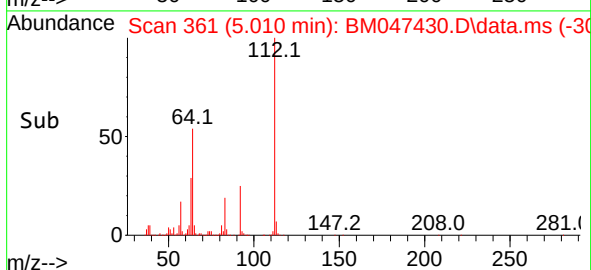
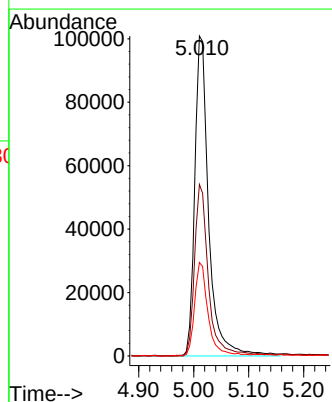
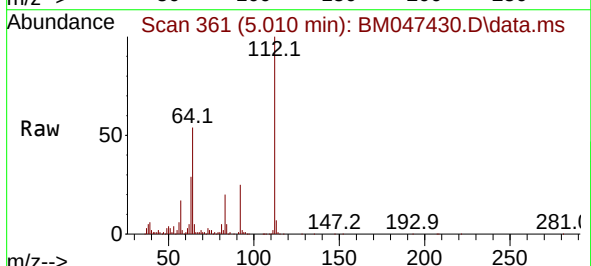
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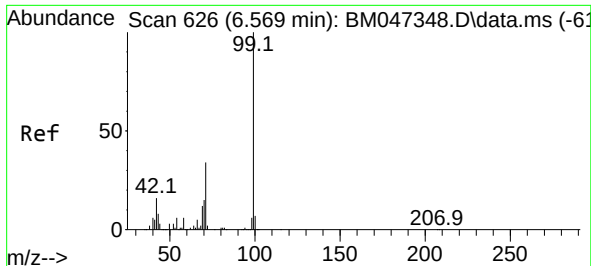
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#5
2-Fluorophenol
Concen: 13.943 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

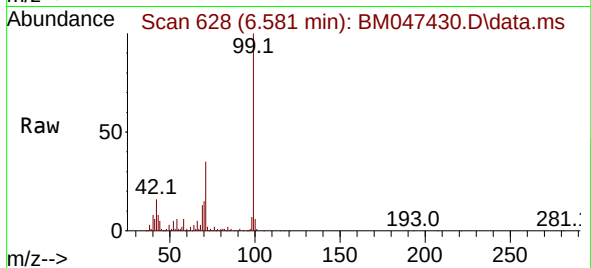
Tgt Ion:112 Resp: 177597
Ion Ratio Lower Upper
112 100
64 53.6 45.7 68.5
63 29.2 23.8 35.8





#7
Phenol-d6
Concen: 12.272 ng
RT: 6.581 min Scan# 61
Delta R.T. 0.012 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

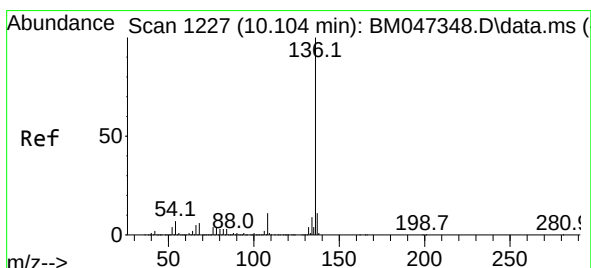
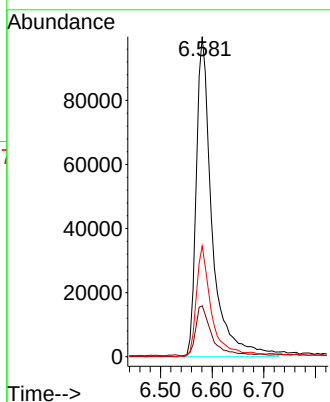
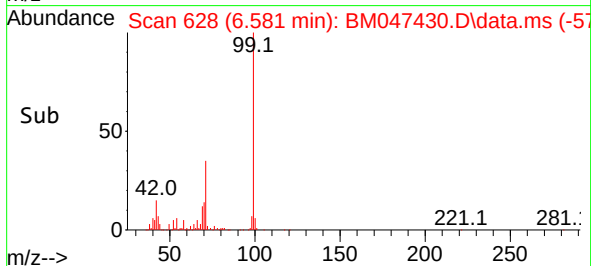
Instrument :
BNA_M
ClientSampleId :
EO-02-083024



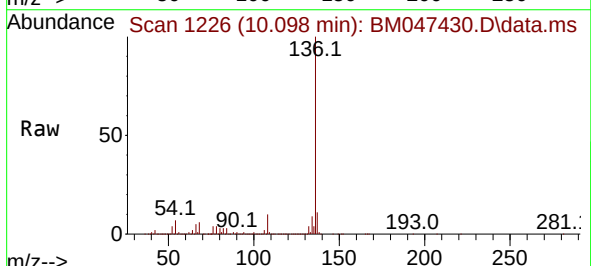
Tgt Ion: 99 Resp: 212940
Ion Ratio Lower Upper
99 100
42 15.9 13.0 19.4
71 34.6 27.5 41.3

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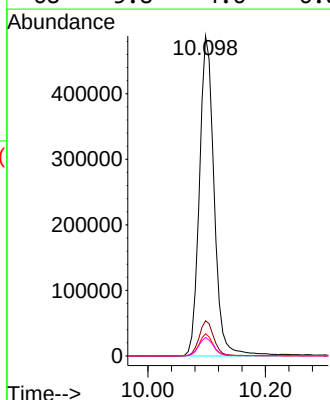
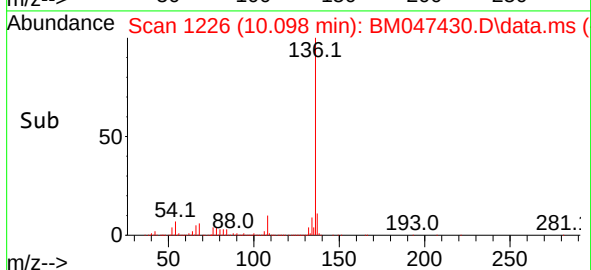
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024

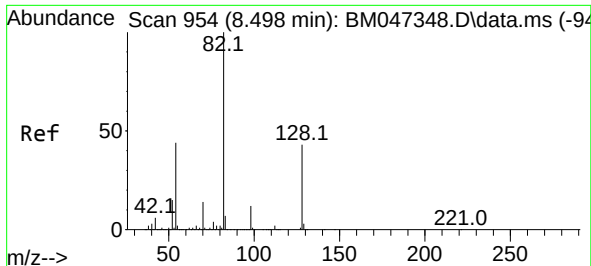


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03



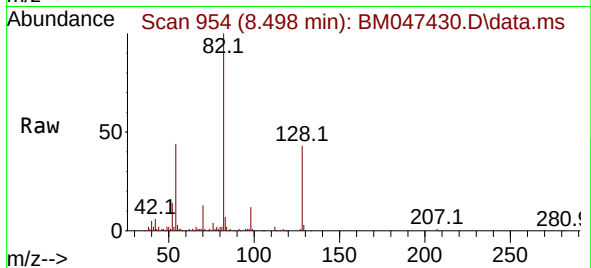
Tgt Ion:136 Resp: 848444
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.0 5.2 7.8
68 5.8 4.6 6.8





#23
Nitrobenzene-d5
Concen: 8.914 ng
RT: 8.498 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

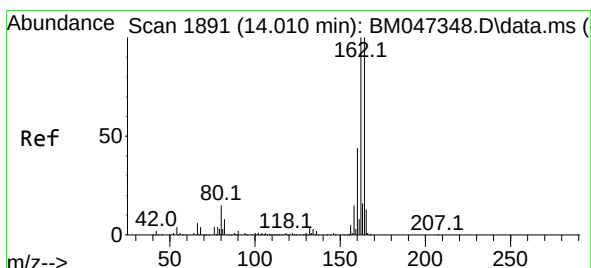
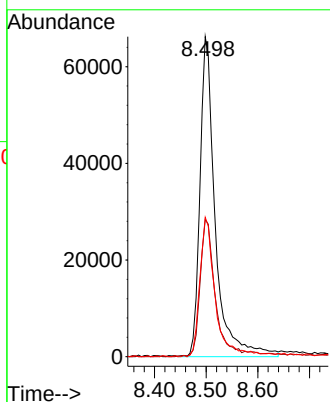
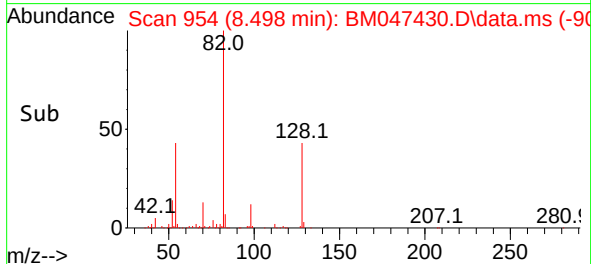
Instrument :
BNA_M
ClientSampleId :
EO-02-083024



Tgt Ion: 82 Resp: 136312
Ion Ratio Lower Upper
82 100
128 42.9 34.6 51.8
54 43.6 35.5 53.3

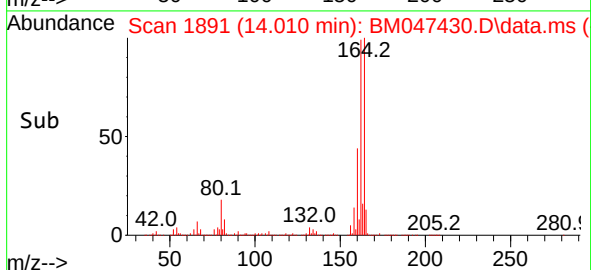
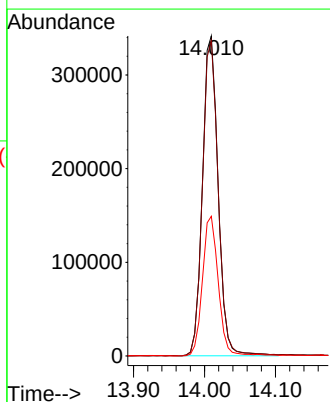
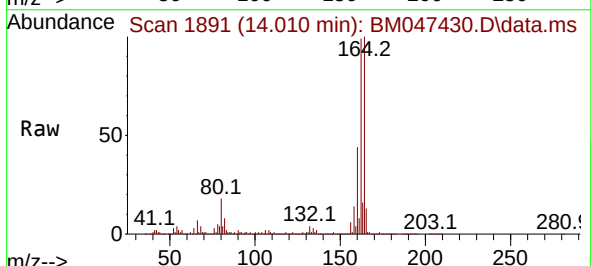
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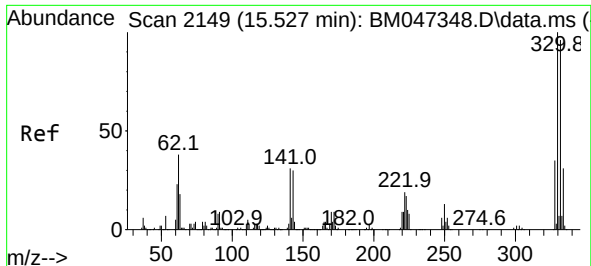
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Tgt Ion:164 Resp: 523970
Ion Ratio Lower Upper
164 100
162 98.6 79.7 119.5
160 43.6 34.9 52.3





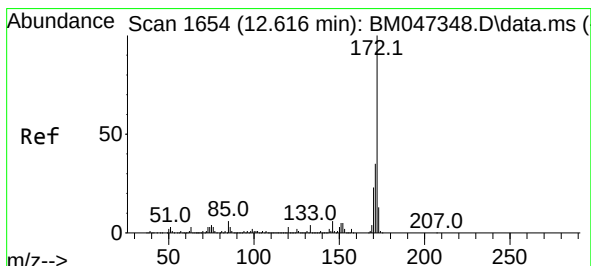
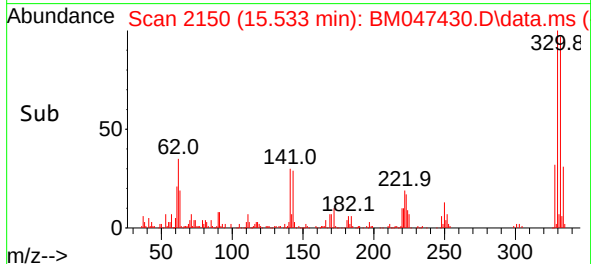
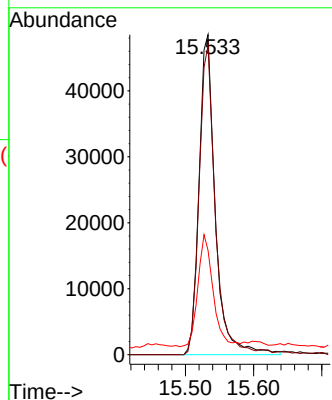
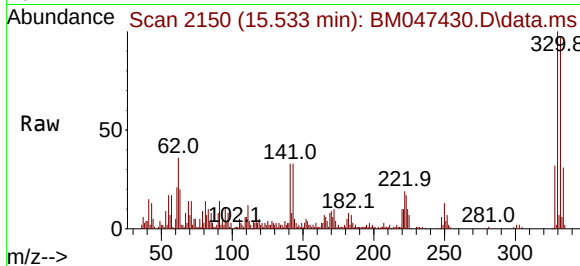
#42
2,4,6-Tribromophenol
Concen: 12.670 ng
RT: 15.533 min Scan# 2149
Delta R.T. 0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Instrument :
BNA_M
ClientSampleId :
EO-02-083024

Tgt Ion:330 Resp: 80098
Ion Ratio Lower Upper
330 100
332 95.4 77.2 115.8
141 32.8 27.6 41.4

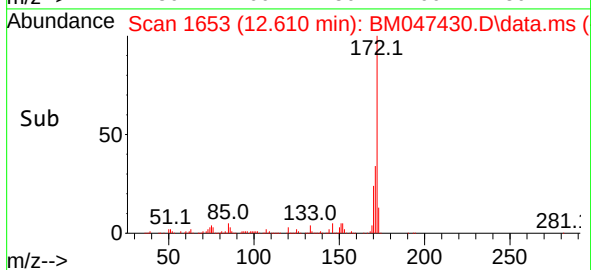
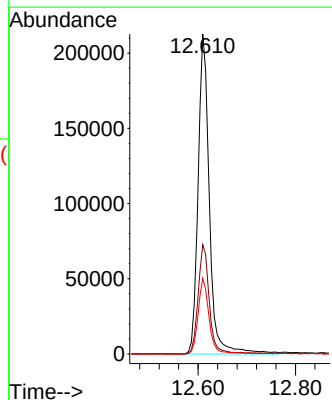
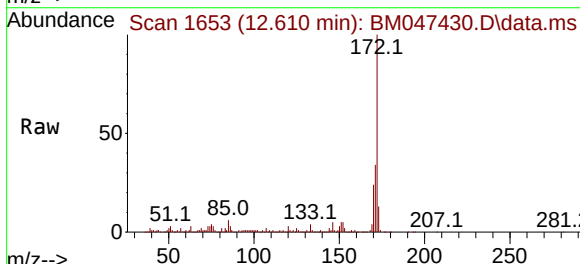
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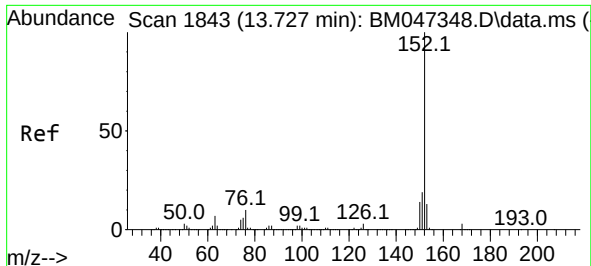
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#45
2-Fluorobiphenyl
Concen: 10.089 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

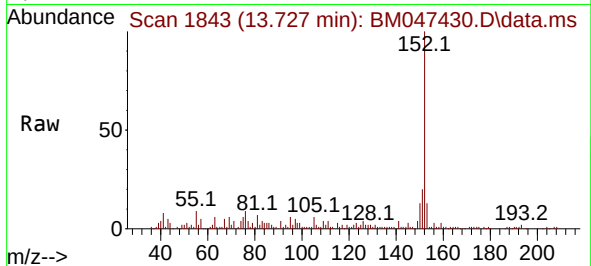
Tgt Ion:172 Resp: 344038
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 23.6 18.5 27.7





#49
Acenaphthylene
Concen: 2.665 ng
RT: 13.727 min Scan# 11103
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

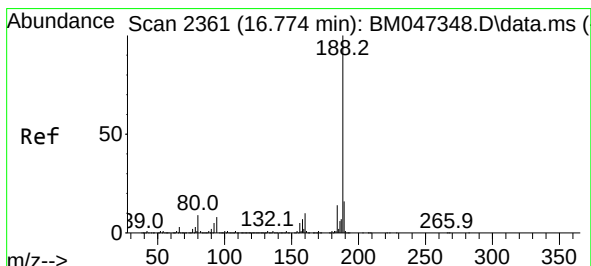
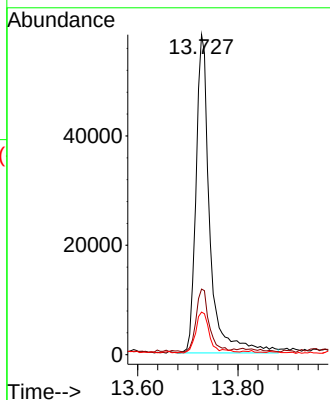
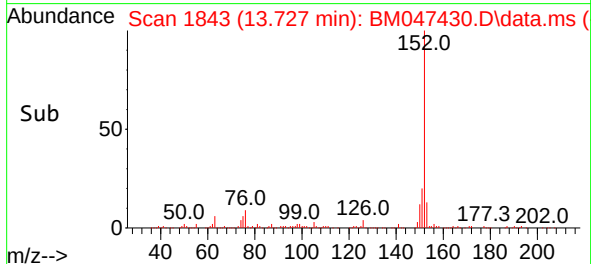
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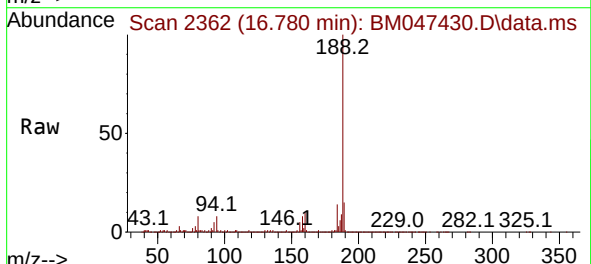
Tgt Ion:152 Resp: 11103
Ion Ratio Lower Upper
152 100
151 20.5 15.4 23.0
153 13.3 10.6 15.8

Manual Integrations
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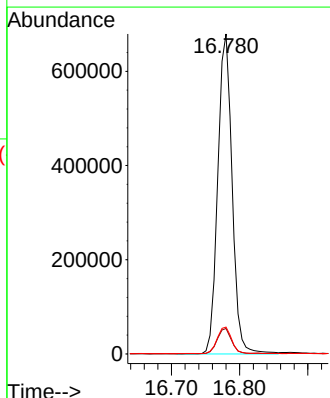
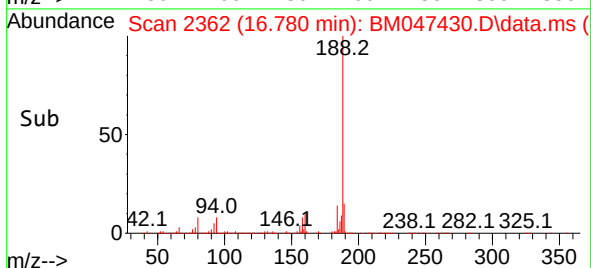
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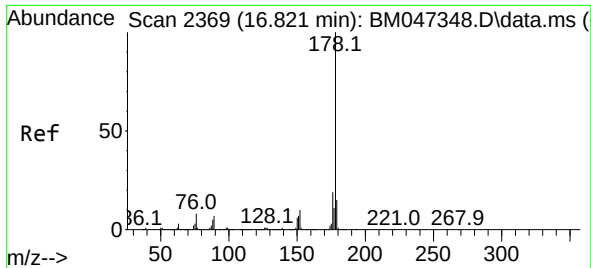


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. 0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03



Tgt Ion:188 Resp: 993919
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 8.4 7.4 11.2





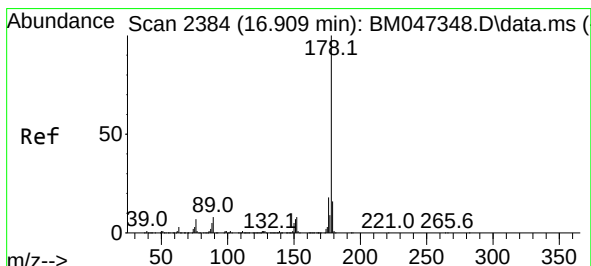
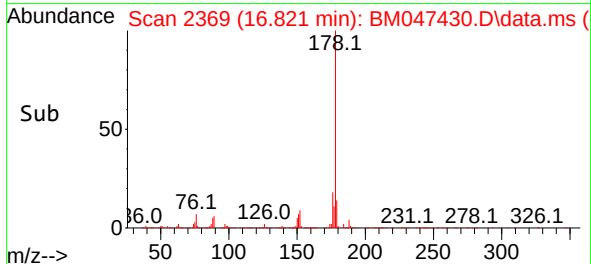
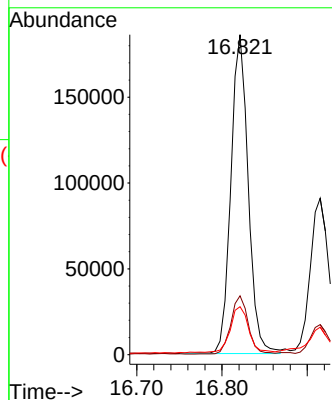
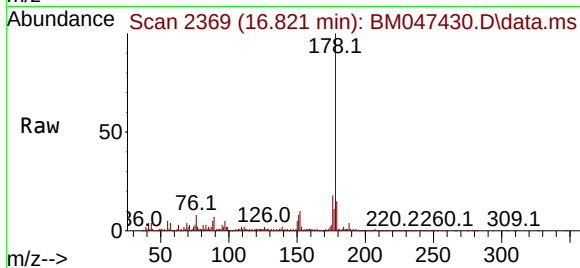
#71
Phenanthrene
Concen: 5.432 ng
RT: 16.821 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Instrument :
BNA_M
ClientSampleId :
EO-02-083024

Tgt Ion:178 Resp: 262214
Ion Ratio Lower Upper
178 100
176 18.4 15.2 22.8
179 15.0 12.2 18.4

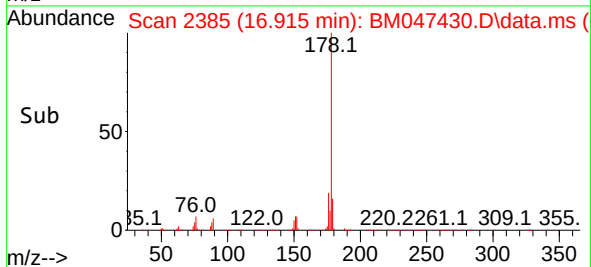
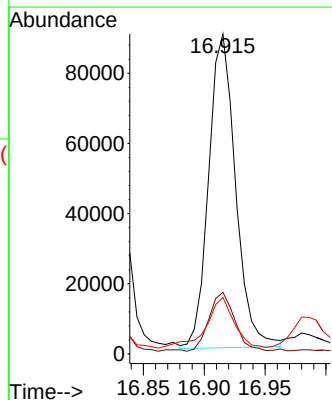
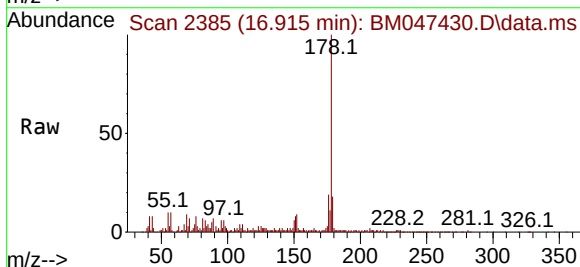
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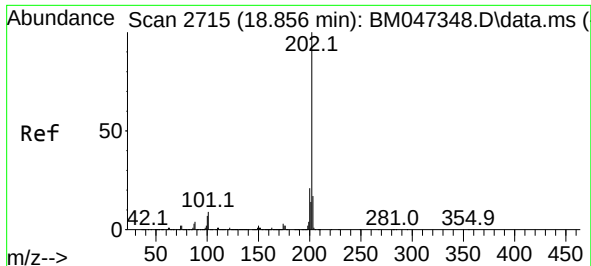
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#72
Anthracene
Concen: 2.923 ng
RT: 16.915 min Scan# 2385
Delta R.T. 0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

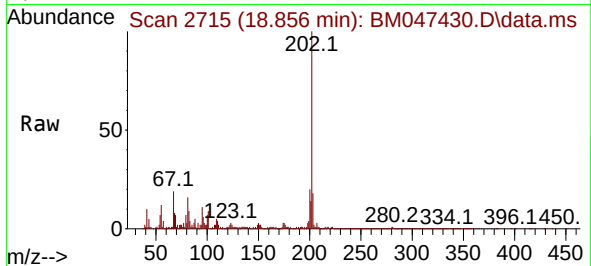
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Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 17.6 12.6 18.8





#75
Fluoranthene
Concen: 11.551 ng
RT: 18.856 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

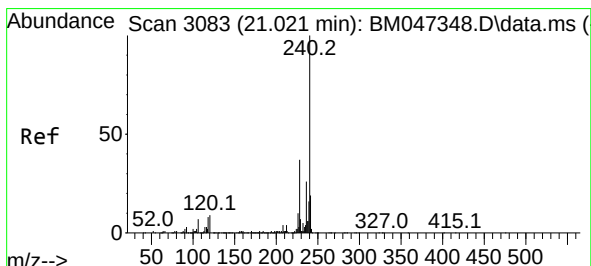
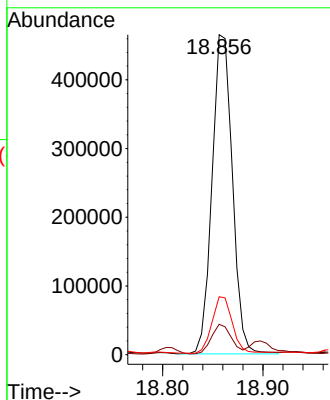
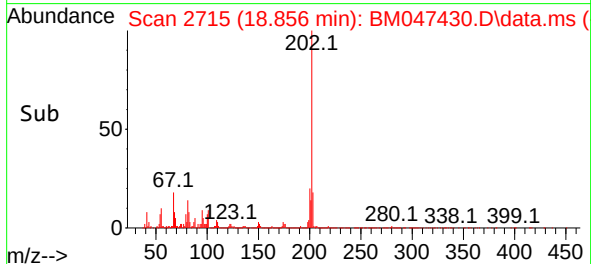
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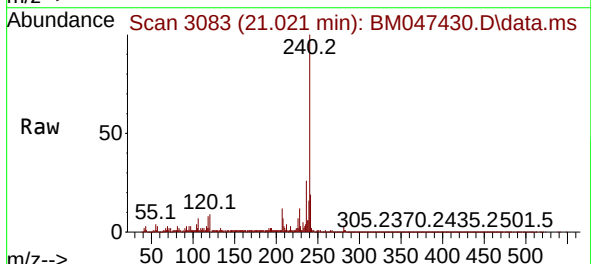
Tgt Ion:202 Resp: 654690
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.0
203 18.1 0.0 37.5

Manual Integrations
APPROVED

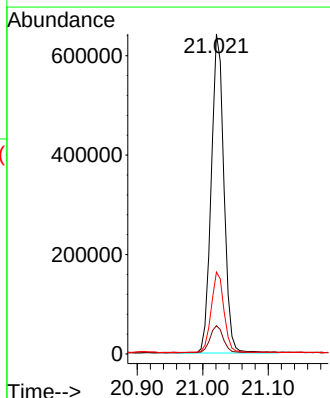
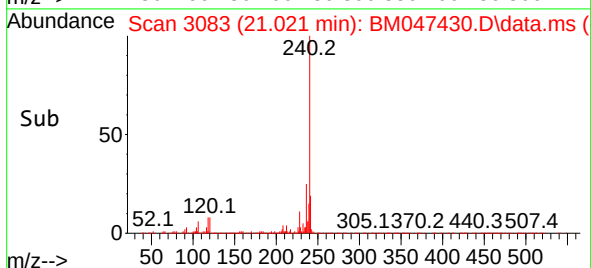
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024

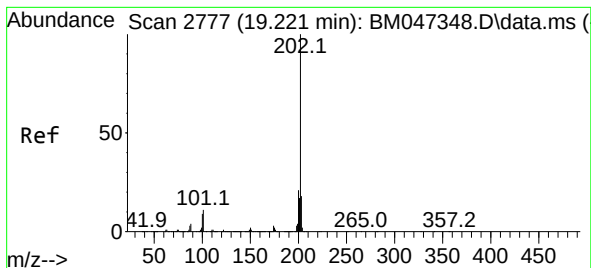


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03



Tgt Ion:240 Resp: 861050
Ion Ratio Lower Upper
240 100
120 8.9 7.4 11.0
236 25.6 20.8 31.2





#78

Pyrene

Concen: 10.652 ng

RT: 19.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Instrument :

BNA_M

ClientSampleId :

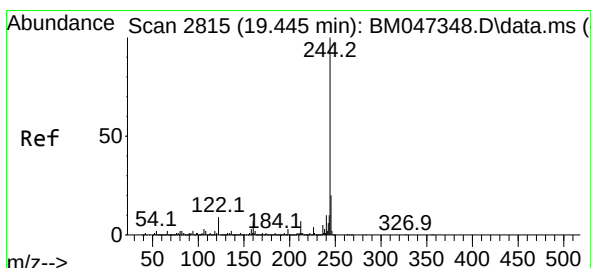
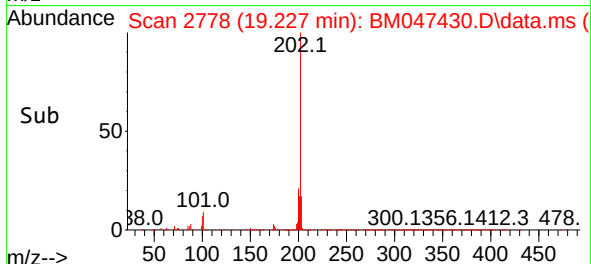
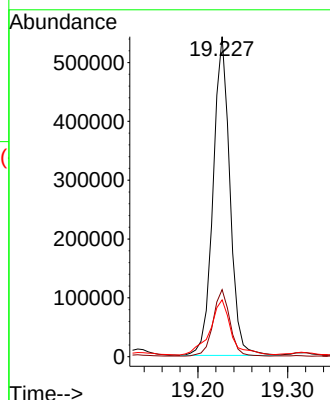
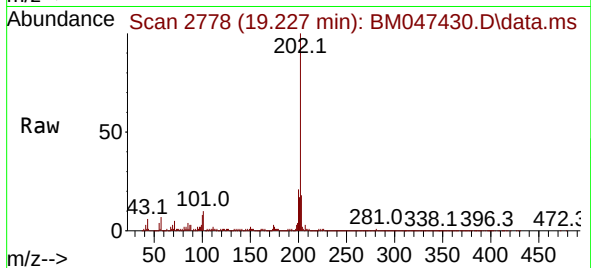
EO-02-083024

Tgt Ion:	202	Resp:	703478
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.7	25.1
203	17.7	14.2	21.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#79

Terphenyl-d14

Concen: 9.217 ng

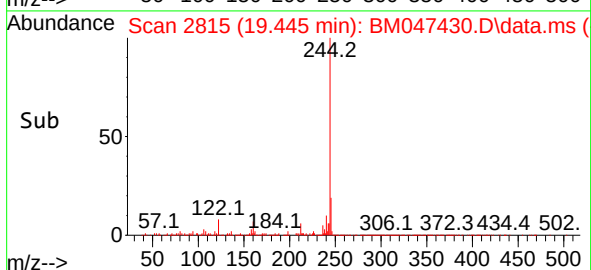
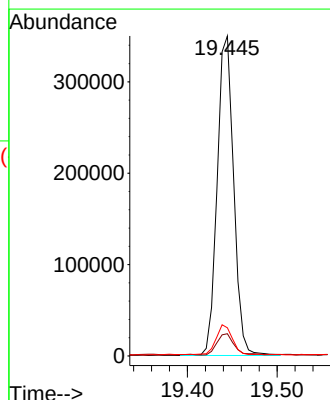
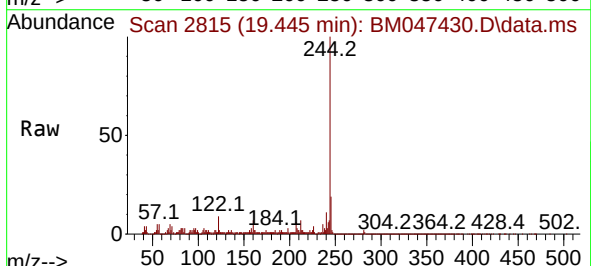
RT: 19.445 min Scan# 2815

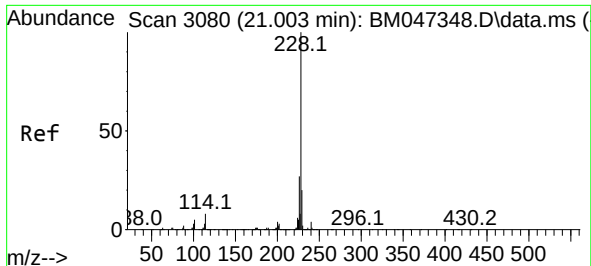
Delta R.T. -0.000 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Tgt Ion:	244	Resp:	445879
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	8.8	7.0	10.4





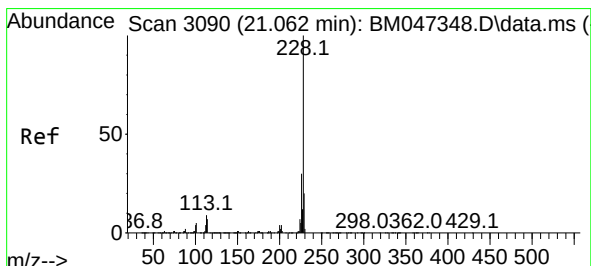
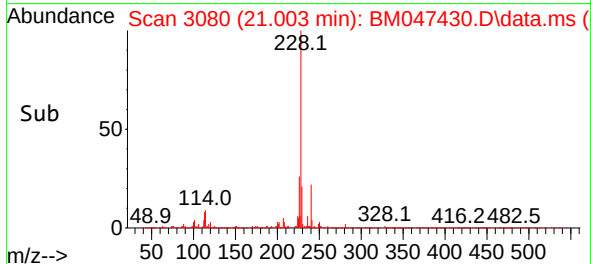
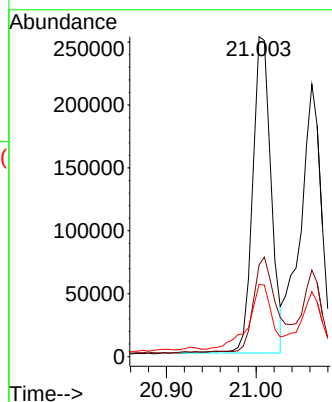
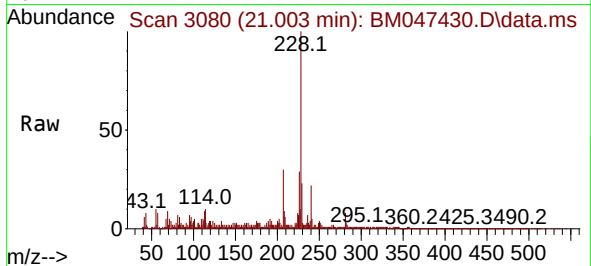
#81
Benzo(a)anthracene
Concen: 6.373 ng
RT: 21.003 min Scan# 3080
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Instrument : BNA_M
ClientSampleId : EO-02-083024

Tgt Ion:228 Resp: 357880
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.0
229 22.6 15.8 23.8

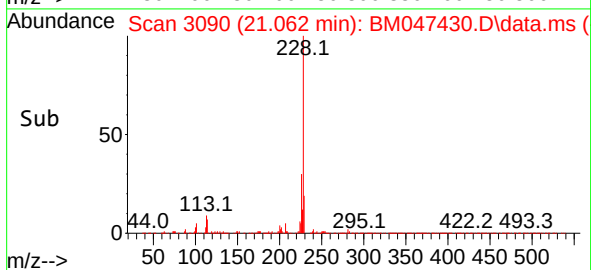
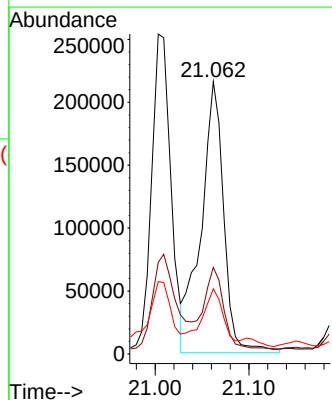
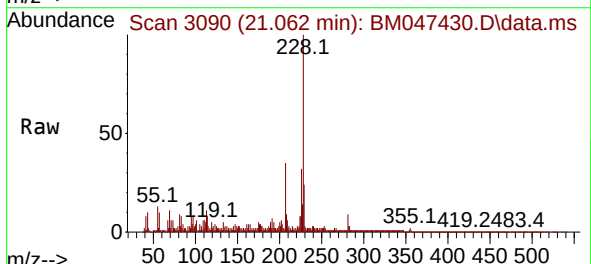
Manual Integrations
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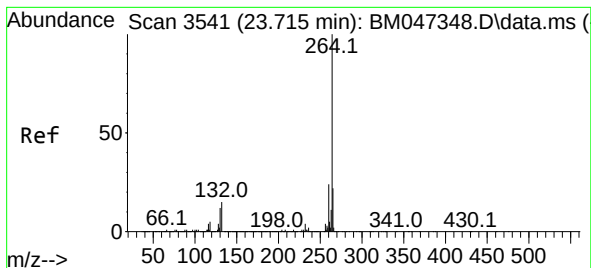
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#83
Chrysene
Concen: 6.904 ng m
RT: 21.062 min Scan# 3090
Delta R.T. -0.000 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Tgt Ion:228 Resp: 364668
Ion Ratio Lower Upper
228 100
226 31.8 24.0 36.0
229 23.9 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.732 min Scan# 30

Delta R.T. 0.018 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Instrument :

BNA_M

ClientSampleId :

EO-02-083024

Tgt Ion:264 Resp: 1021998

Ion Ratio Lower Upper

264 100

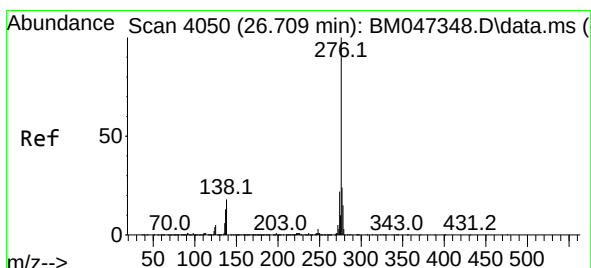
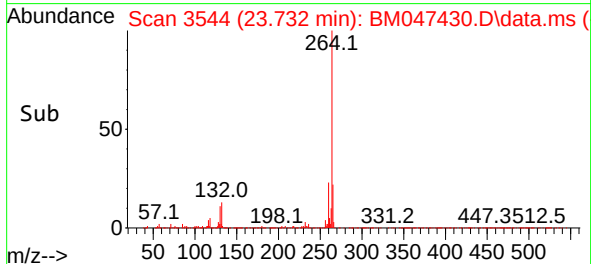
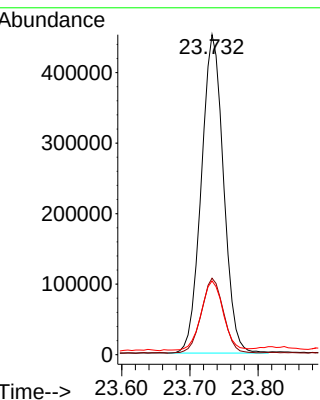
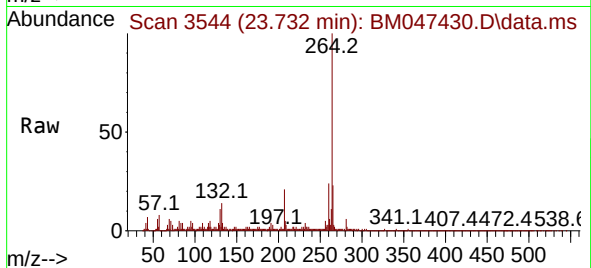
260 23.9 19.0 28.4

265 23.1 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.408 ng

RT: 26.750 min Scan# 4057

Delta R.T. 0.041 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

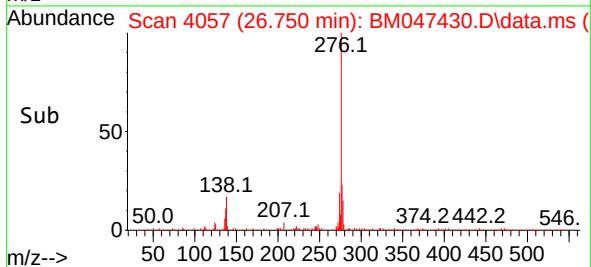
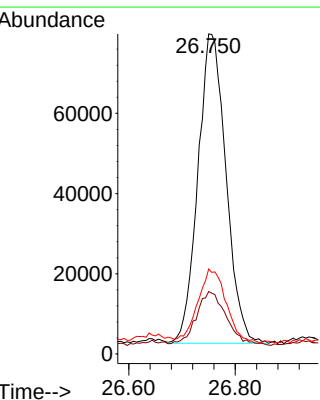
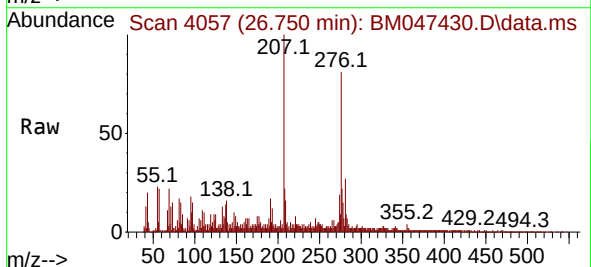
Tgt Ion:276 Resp: 282009

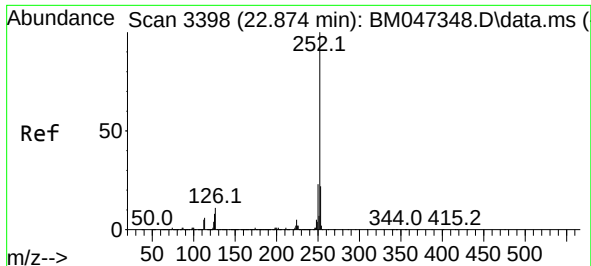
Ion Ratio Lower Upper

276 100

138 18.8 17.7 26.5

277 23.9 20.0 30.0





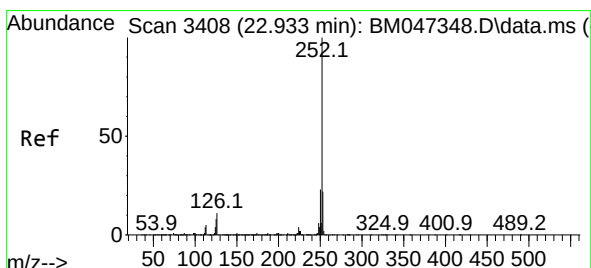
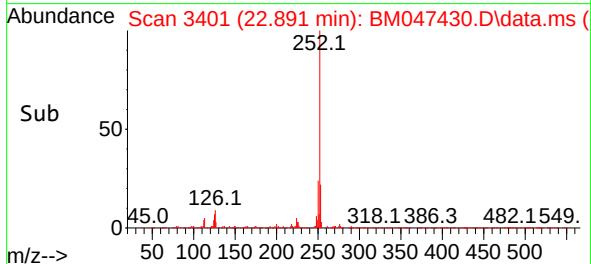
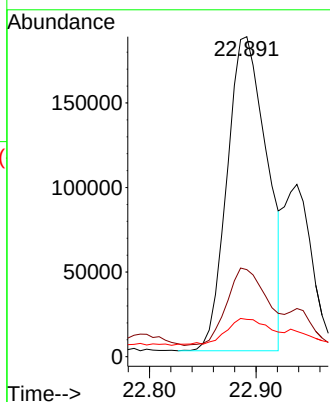
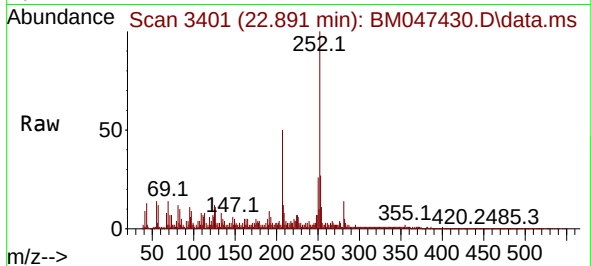
#88
Benzo(b)fluoranthene
Concen: 8.104 ng
RT: 22.891 min Scan# 3401
Delta R.T. 0.018 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Instrument :
BNA_M
ClientSampleId :
EO-02-083024

Tgt Ion:252 Resp: 48320
Ion Ratio Lower Upper
252 100
253 27.2 17.8 26.6
125 11.6 6.6 10.0

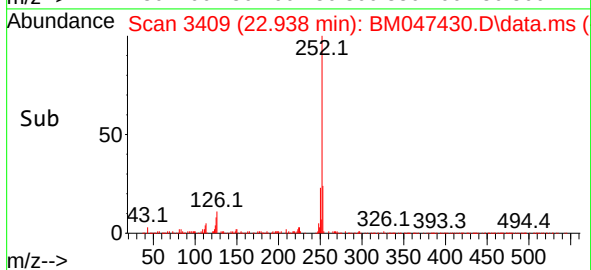
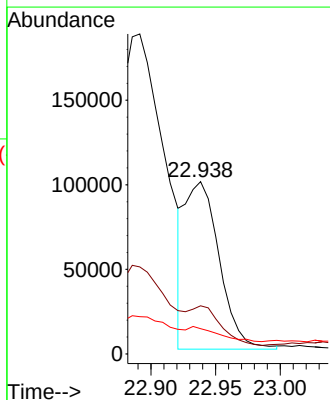
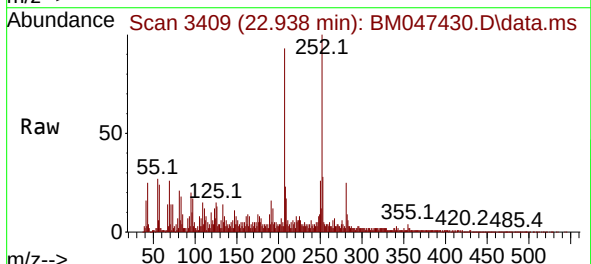
Manual Integrations
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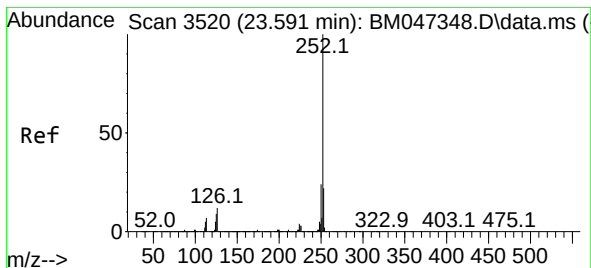
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#89
Benzo(k)fluoranthene
Concen: 3.247 ng m
RT: 22.938 min Scan# 3409
Delta R.T. 0.006 min
Lab File: BM047430.D
Acq: 03 Sep 2024 18:03

Tgt Ion:252 Resp: 183514
Ion Ratio Lower Upper
252 100
253 28.0 17.5 26.3#
125 14.6 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 7.554 ng

RT: 23.609 min Scan# 3

Delta R.T. 0.018 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Instrument :

BNA_M

ClientSampleId :

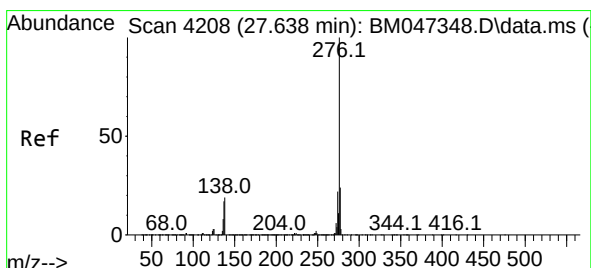
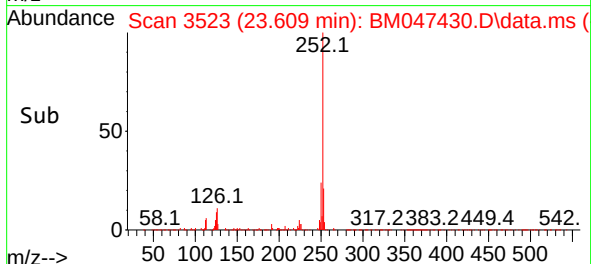
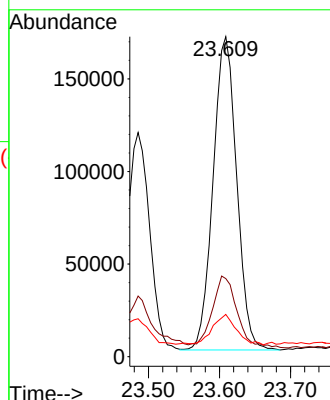
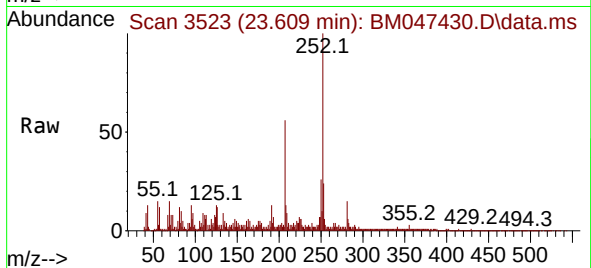
EO-02-083024

Tgt Ion:	252	Resp:	38949
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.7	26.5
125	13.2	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#92

Benzo(g,h,i)perylene

Concen: 5.403 ng

RT: 27.691 min Scan# 4217

Delta R.T. 0.053 min

Lab File: BM047430.D

Acq: 03 Sep 2024 18:03

Tgt Ion:	276	Resp:	291130
Ion Ratio	Lower	Upper	
276	100		
277	26.8	19.4	29.0
138	19.5	15.0	22.6

