

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062824\
 Data File : BM046352.D
 Acq On : 28 Jun 2024 14:44
 Operator : MA/JU
 Sample : P3047-01 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-062424

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/29/2024
 Supervised By :mohammad ahmed 06/29/2024

Quant Time: Jun 28 15:21:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 03:23:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	143990	20.000	ng	0.00
21) Naphthalene-d8	10.139	136	590298	20.000	ng	0.01
39) Acenaphthene-d10	14.021	164	332046	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	624413	20.000	ng	0.00
76) Chrysene-d12	20.991	240	423111	20.000	ng	0.00
86) Perylene-d12	23.662	264	475420	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.051	112	93081	10.391	ng	0.00
7) Phenol-d6	6.639	99	119019	9.353	ng	0.00
23) Nitrobenzene-d5	8.569	82	81055	5.692	ng	0.03
42) 2,4,6-Tribromophenol	15.533	330	32229	7.981	ng	0.00
45) 2-Fluorobiphenyl	12.645	172	159695	6.519	ng	0.01
79) Terphenyl-d14	19.421	244	193713	7.575	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	16.815	178	236079	7.105	ng	99
75) Fluoranthene	18.839	202	208925	5.321	ng	97
78) Pyrene	19.203	202	320487	10.905	ng	98
81) Benzo(a)anthracene	20.974	228	119255m	4.297	ng	
83) Chrysene	21.033	228	129253	4.869	ng	98
84) Bis(2-ethylhexyl)phtha...	20.921	149	11051	2.882	ng	96
88) Benzo(b)fluoranthene	22.833	252	103411	3.672	ng	# 89
90) Benzo(a)pyrene	23.532	252	97471	3.941	ng	97
92) Benzo(g,h,i)perylene	27.515	276	64318	2.550	ng	97

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

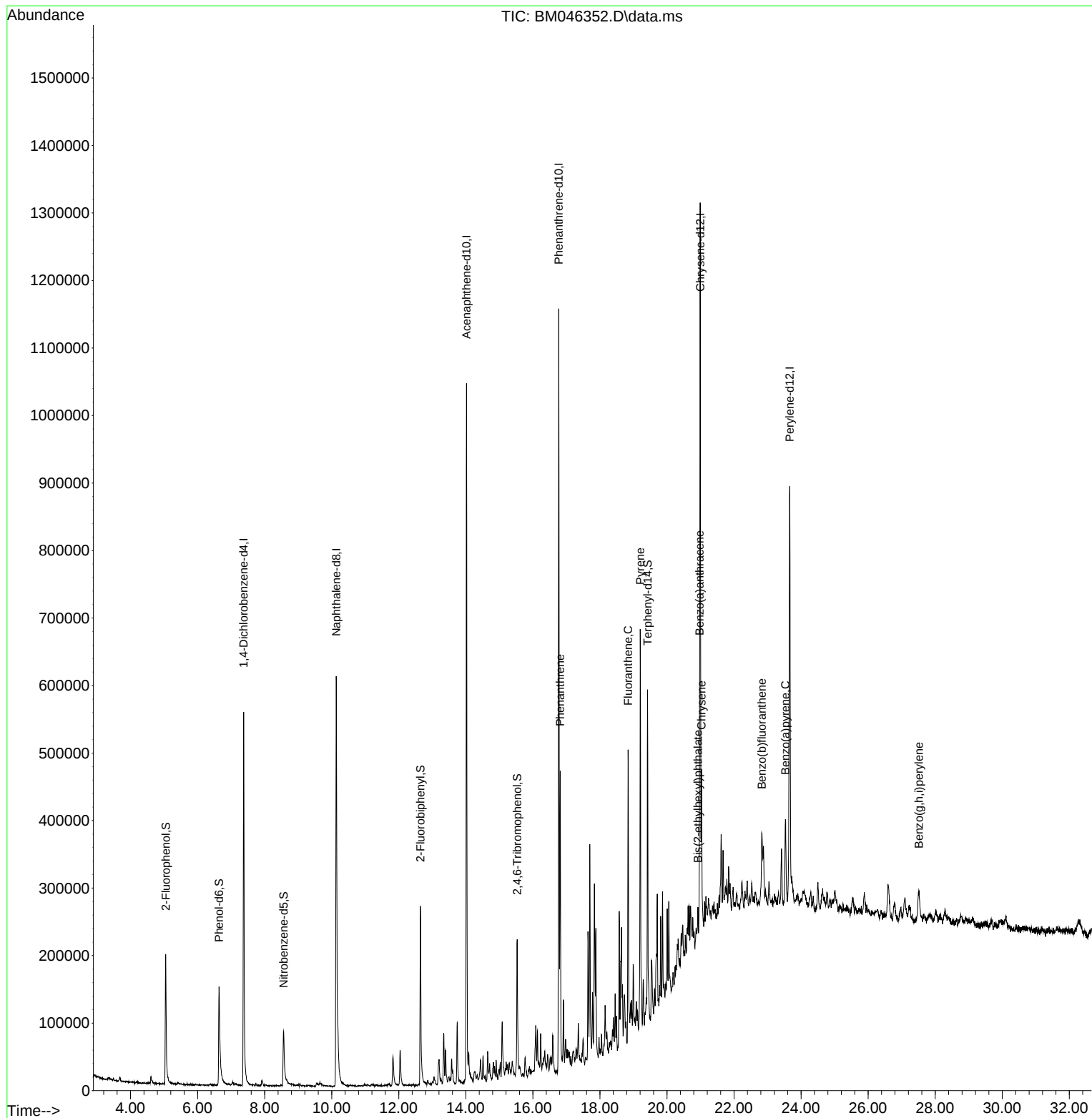
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062824\
Data File : BM046352.D
Acq On : 28 Jun 2024 14:44
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Misc :
ALS Vial : 9 Sample Multiplier: 1

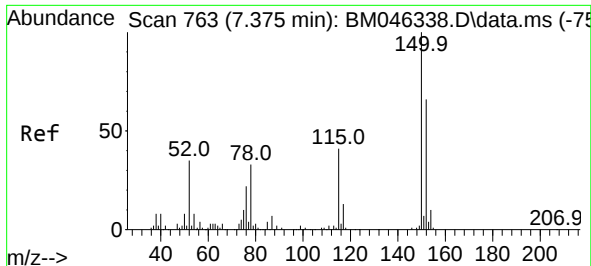
Instrument :
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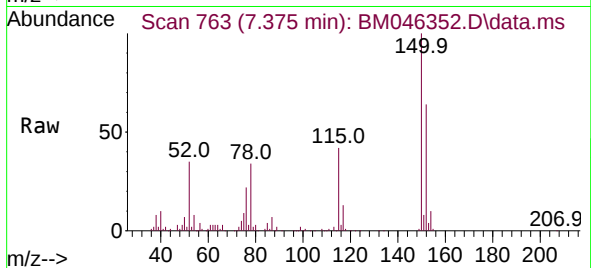
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 763
Delta R.T. -0.000 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

Instrument :

BNA_M

ClientSampleId :

EO-01-062424



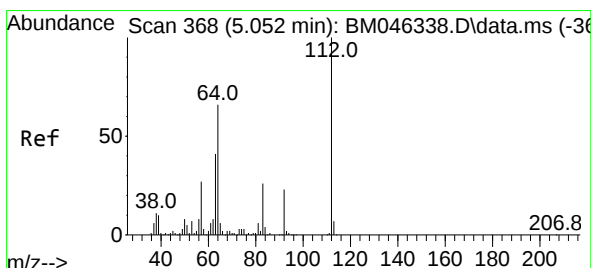
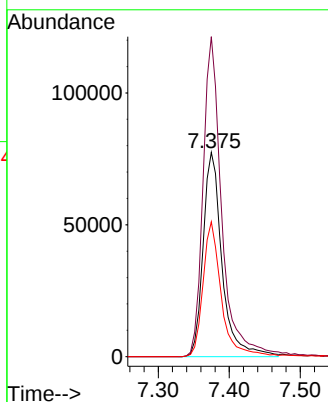
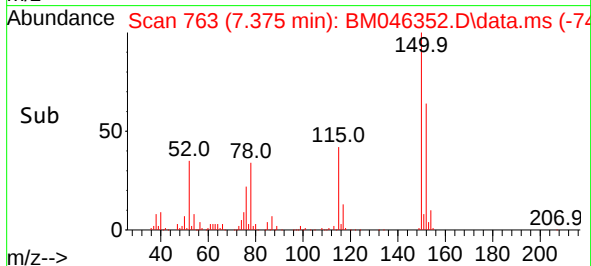
Tgt Ion:152 Resp: 143990
Ion Ratio Lower Upper
152 100
150 156.6 122.1 183.1
115 66.0 50.2 75.4

Manual Integrations

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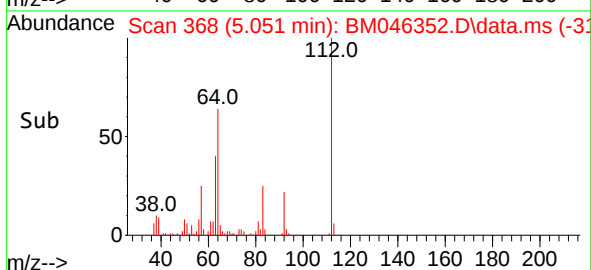
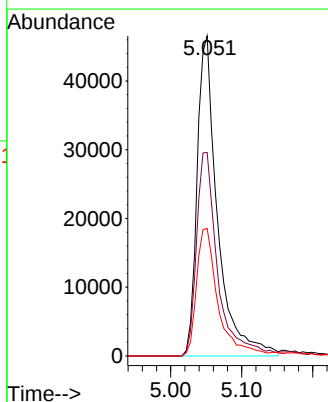
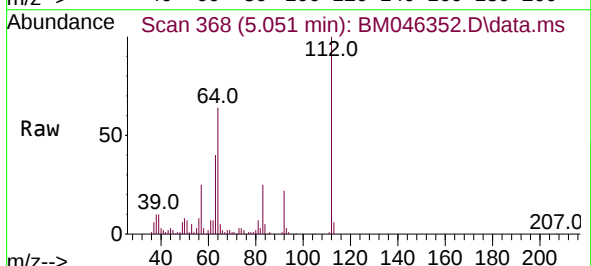
Reviewed By :Yogesh Patel 06/29/2024

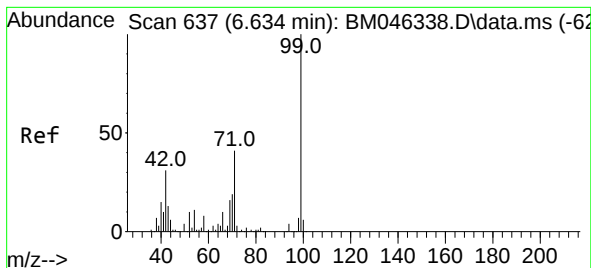
Supervised By :mohammad ahmed 06/29/2024



#5
2-Fluorophenol
Concen: 10.391 ng
RT: 5.051 min Scan# 368
Delta R.T. -0.000 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

Tgt Ion:112 Resp: 93081
Ion Ratio Lower Upper
112 100
64 63.6 52.8 79.2
63 39.9 32.9 49.3





#7

Phenol-d6

Concen: 9.353 ng

RT: 6.639 min Scan# 61

Delta R.T. 0.006 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

Instrument :

BNA_M

ClientSampleId :

EO-01-062424

Tgt Ion: 99 Resp: 119019

Ion Ratio Lower Upper

99 100

42 30.1 24.8 37.2

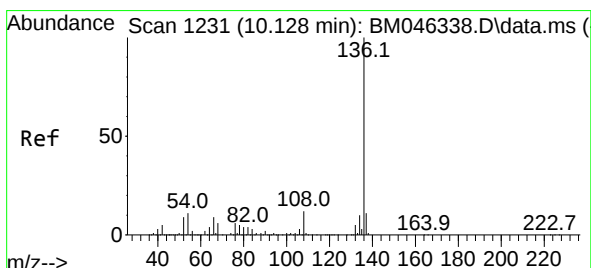
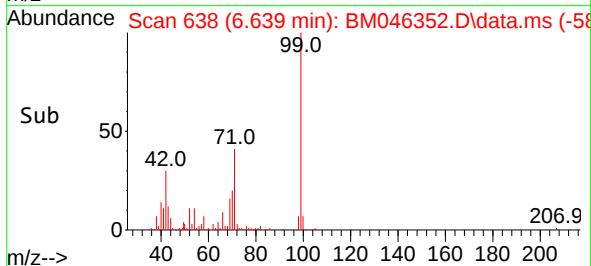
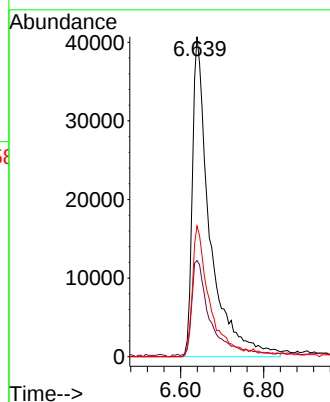
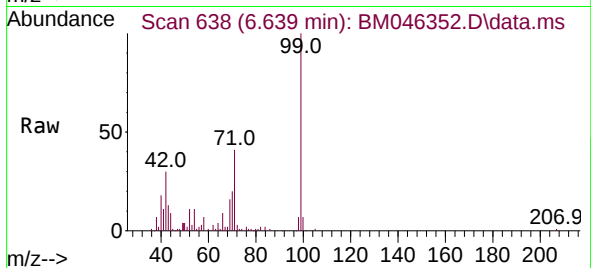
71 40.9 33.1 49.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.139 min Scan# 1233

Delta R.T. 0.011 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

Tgt Ion:136 Resp: 590298

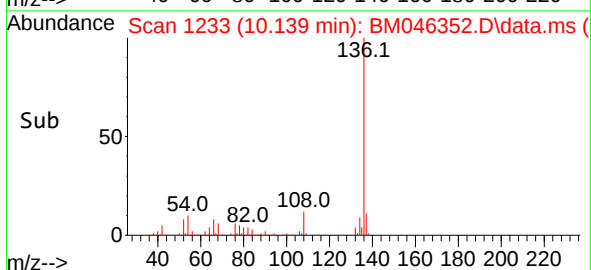
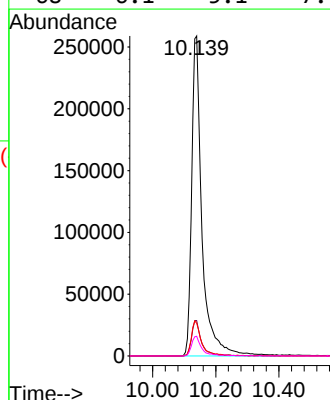
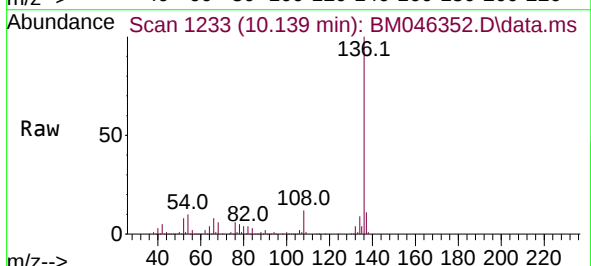
Ion Ratio Lower Upper

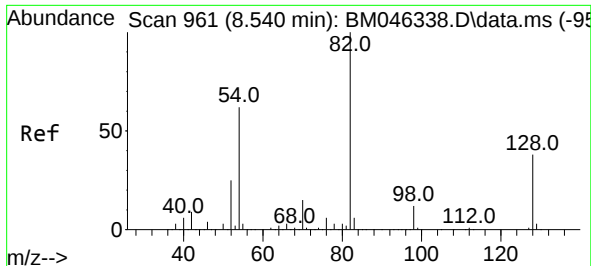
136 100

137 11.1 8.6 13.0

54 10.3 9.0 13.4

68 6.1 5.1 7.7





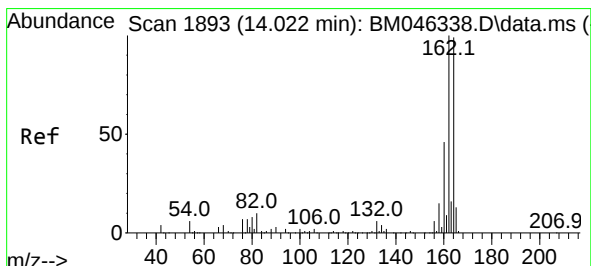
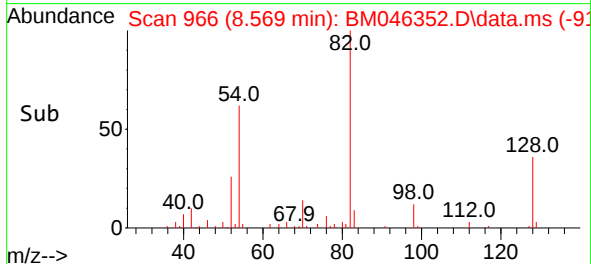
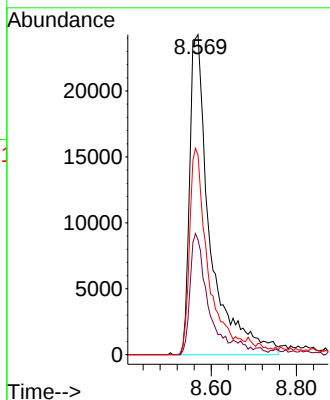
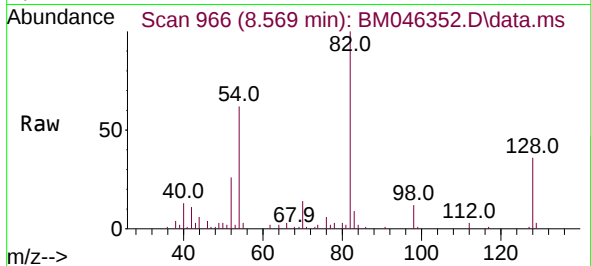
#23
Nitrobenzene-d5
Concen: 5.692 ng
RT: 8.569 min Scan# 961
Delta R.T. 0.029 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

Instrument :
BNA_M
ClientSampleId :
EO-01-062424

Tgt Ion: 82 Resp: 8105
Ion Ratio Lower Upper
82 100
128 35.8 30.6 46.0
54 62.4 49.6 74.4

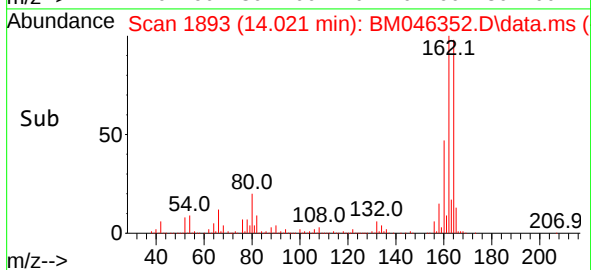
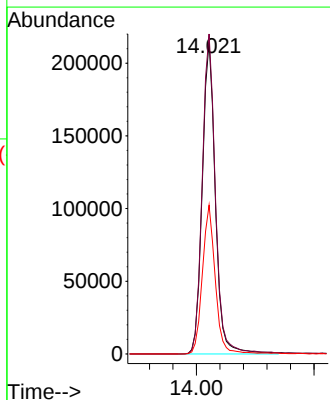
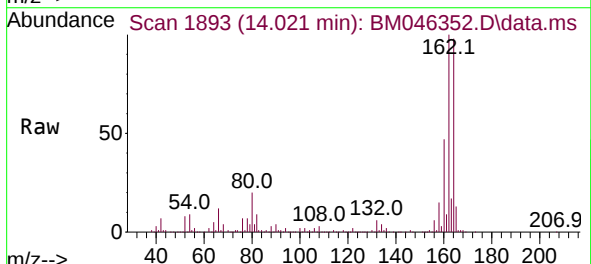
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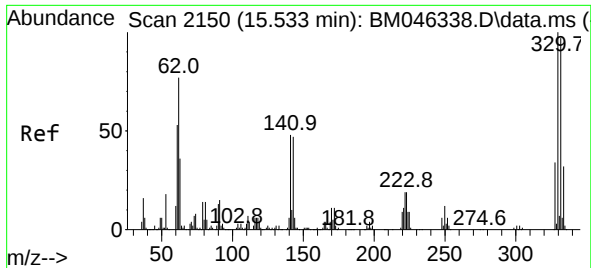
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.021 min Scan# 1893
Delta R.T. -0.001 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

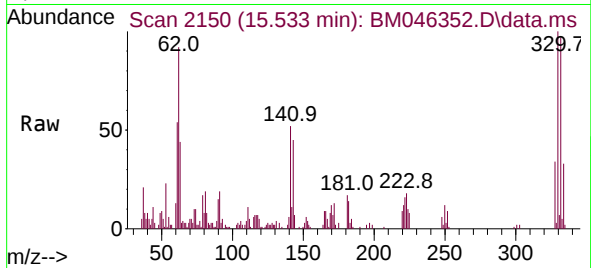
Tgt Ion:164 Resp: 332046
Ion Ratio Lower Upper
164 100
162 102.5 80.5 120.7
160 47.7 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 7.981 ng
RT: 15.533 min Scan# 2150
Delta R.T. -0.000 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

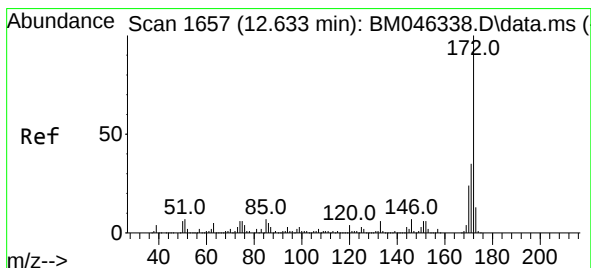
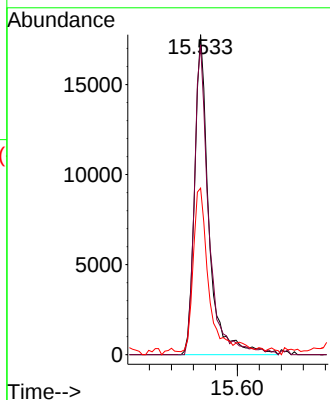
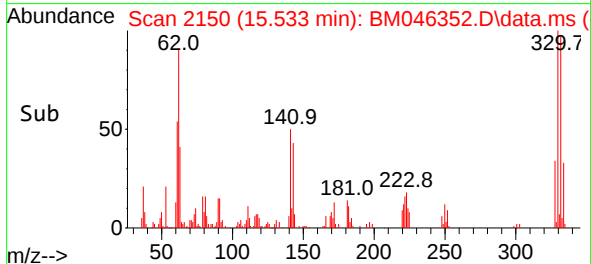
Instrument :
BNA_M
ClientSampleId :
EO-01-062424



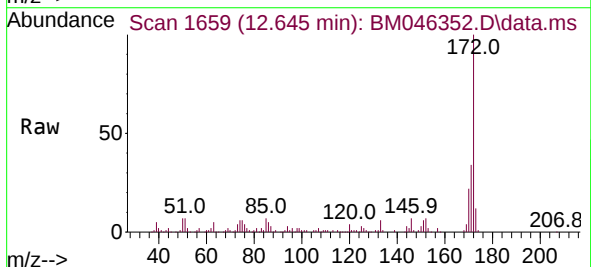
Tgt Ion:330 Resp: 32229
Ion Ratio Lower Upper
330 100
332 97.7 77.8 116.6
141 52.1 43.2 64.8

Manual Integrations
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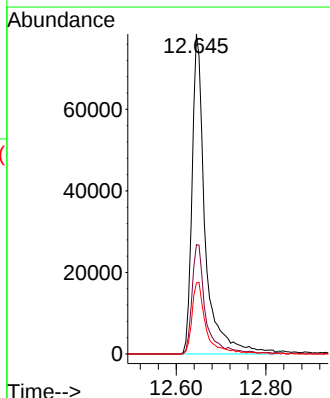
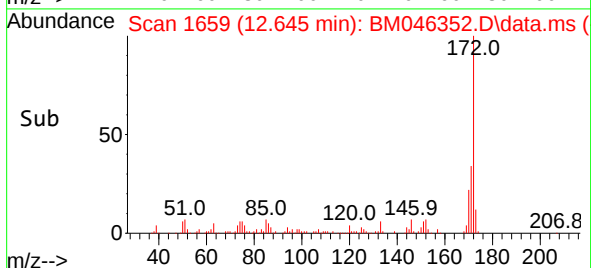
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024

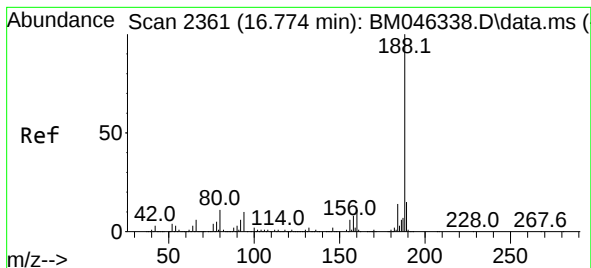


#45
2-Fluorobiphenyl
Concen: 6.519 ng
RT: 12.645 min Scan# 1659
Delta R.T. 0.012 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44



Tgt Ion:172 Resp: 159695
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 22.2 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

Instrument :

BNA_M

ClientSampleId :

EO-01-062424

Tgt Ion:188 Resp: 62441

Ion Ratio Lower Upper

188 100

94 10.0 7.9 11.9

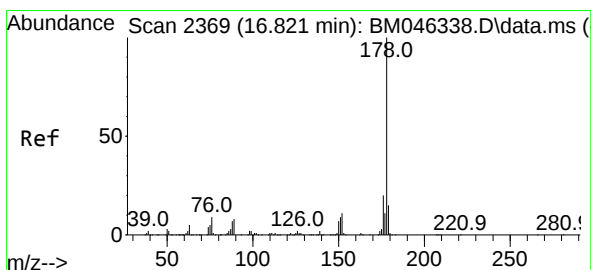
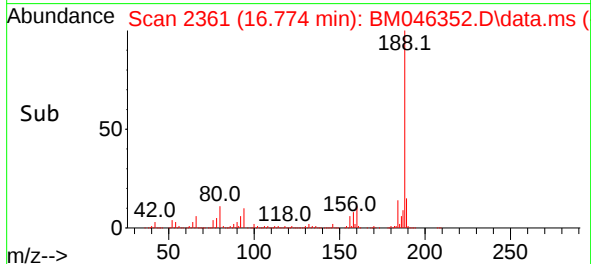
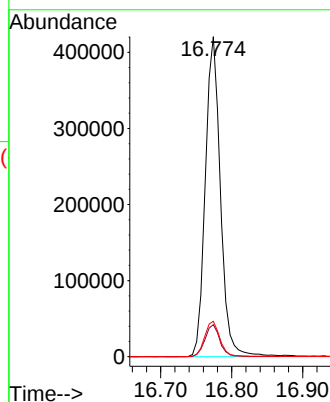
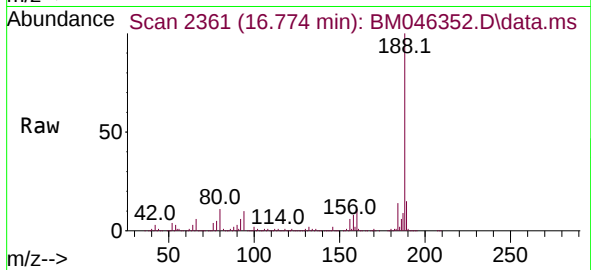
80 11.0 9.0 13.6

Manual Integrations

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Supervised By :mohammad ahmed 06/29/2024



#71

Phenanthrene

Concen: 7.105 ng

RT: 16.815 min Scan# 2368

Delta R.T. -0.006 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

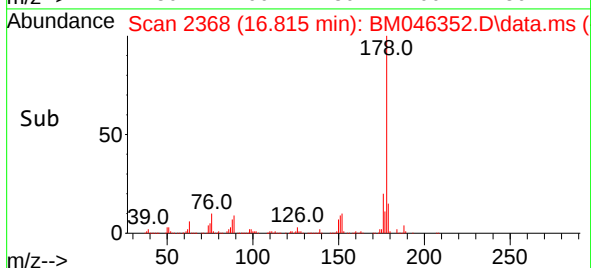
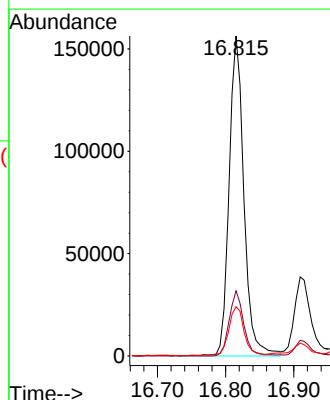
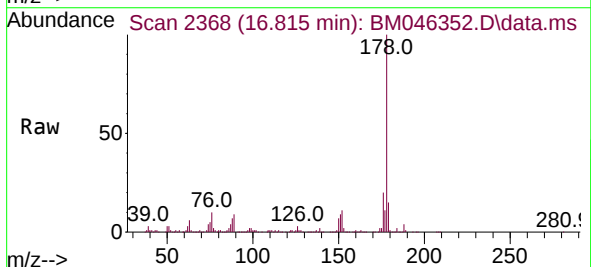
Tgt Ion:178 Resp: 236079

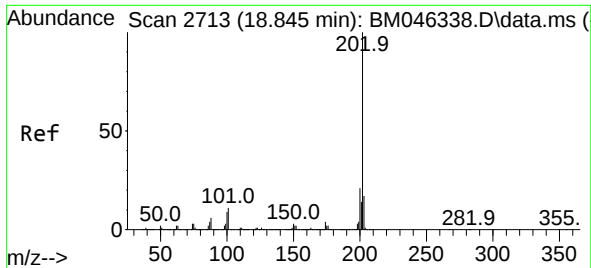
Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

179 15.4 12.2 18.4





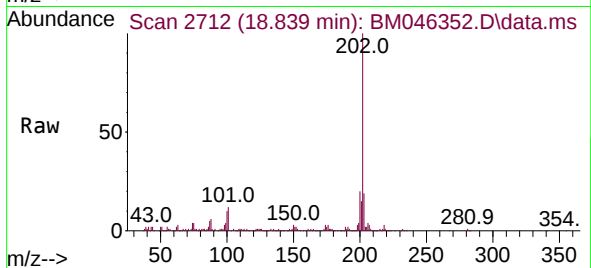
#75
Fluoranthene
Concen: 5.321 ng
RT: 18.839 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

Instrument :

BNA_M

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EO-01-062424



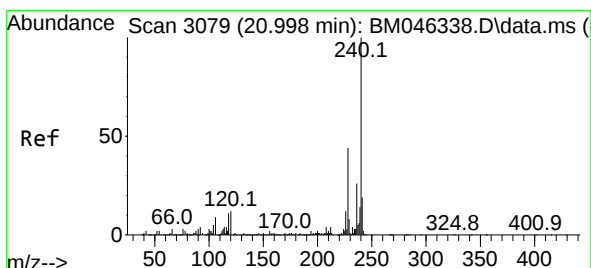
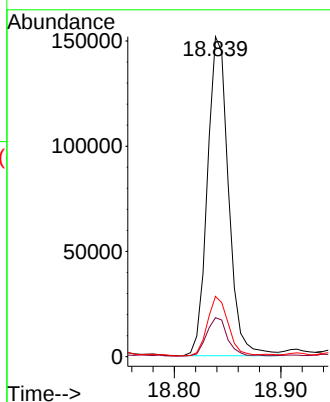
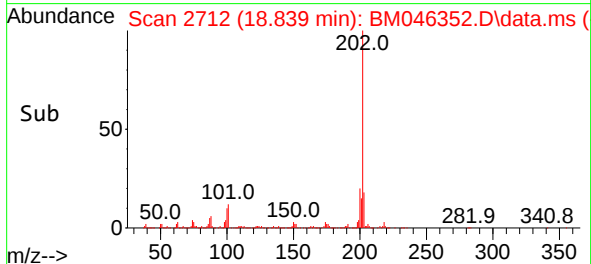
Tgt Ion:202 Resp: 208925
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.4
203 18.8 0.0 37.2

Manual Integrations

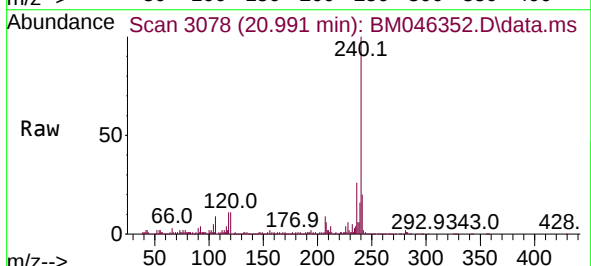
APPROVED

Reviewed By :Yogesh Patel 06/29/2024

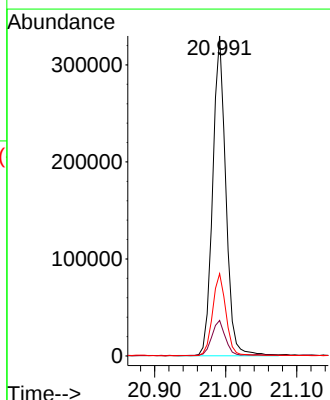
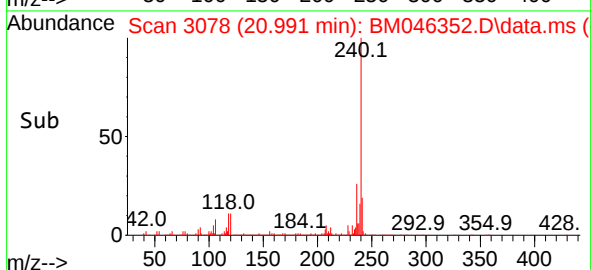
Supervised By :mohammad ahmed 06/29/2024

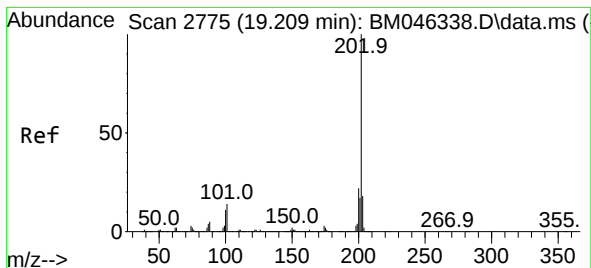


#76
Chrysene-d12
Concen: 20.000 ng
RT: 20.991 min Scan# 3078
Delta R.T. -0.006 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44



Tgt Ion:240 Resp: 423111
Ion Ratio Lower Upper
240 100
120 11.1 9.3 13.9
236 25.7 20.5 30.7





#78

Pyrene

Concen: 10.905 ng

RT: 19.203 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM046352.D

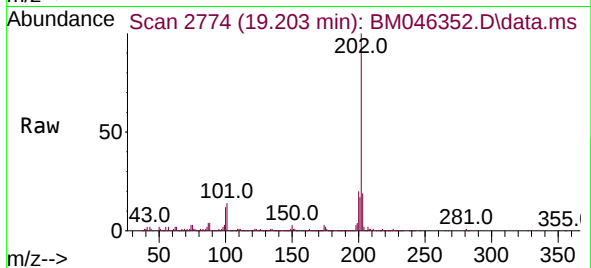
Acq: 28 Jun 2024 14:44

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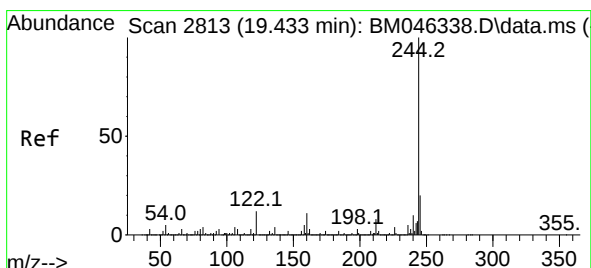
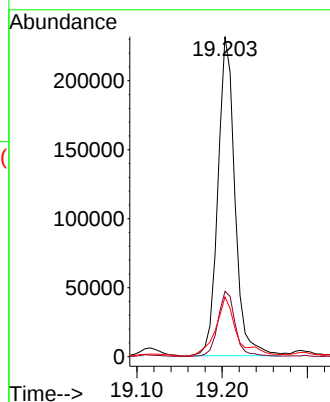
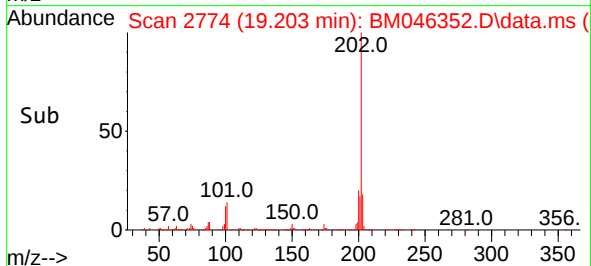
Tgt Ion:	202	Resp:	32048
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.3	25.9
203	18.7	14.3	21.5

Manual Integrations

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#79

Terphenyl-d14

Concen: 7.575 ng

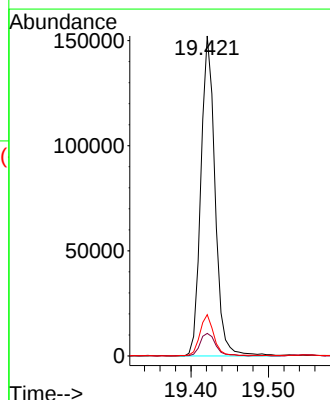
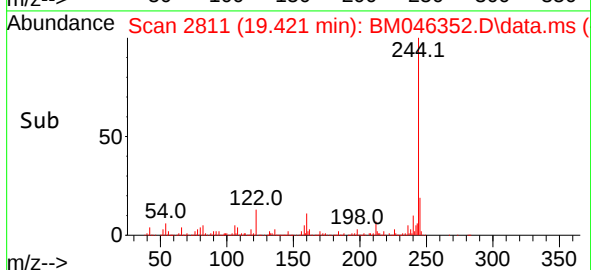
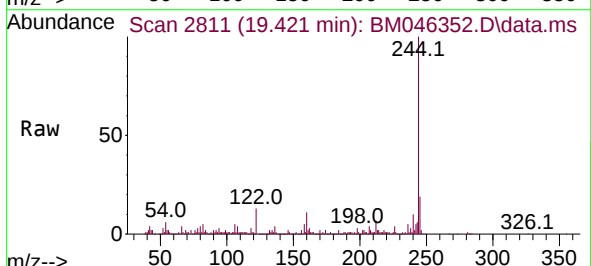
RT: 19.421 min Scan# 2811

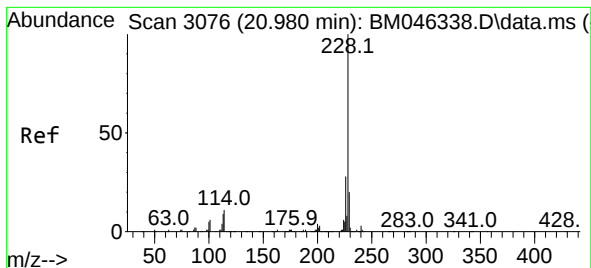
Delta R.T. -0.012 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

Tgt Ion:	244	Resp:	193713
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.5	9.7
122	12.9	9.4	14.0





#81

Benzo(a)anthracene

Concen: 4.297 ng m

RT: 20.974 min Scan# 3075

Delta R.T. -0.006 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

Instrument :

BNA_M

ClientSampleId :

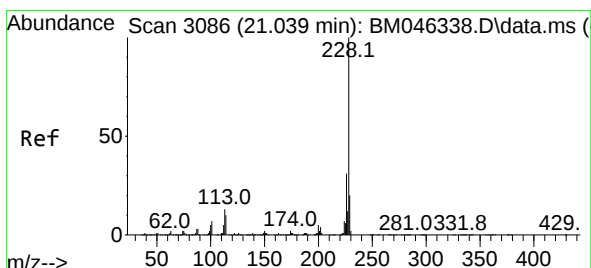
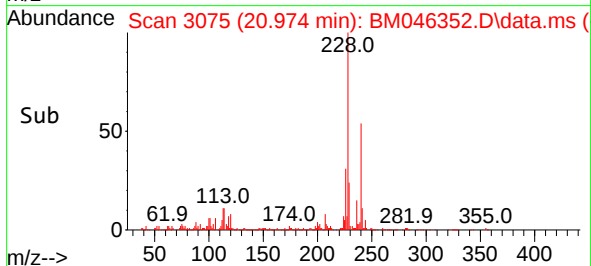
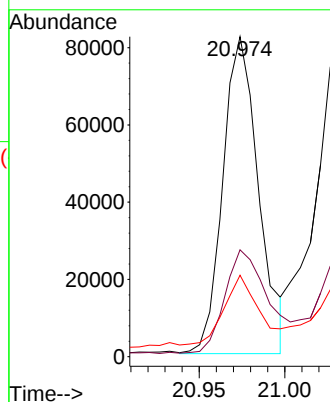
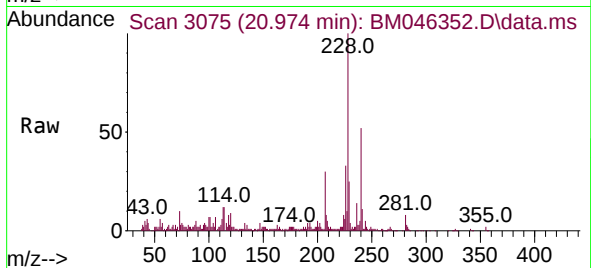
EO-01-062424

Tgt Ion:228 Resp: 119253
 Ion Ratio Lower Upper
 228 100
 226 33.4 22.5 33.7
 229 25.4 15.9 23.9

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2024
 Supervised By :mohammad ahmed 06/29/2024



#83

Chrysene

Concen: 4.869 ng

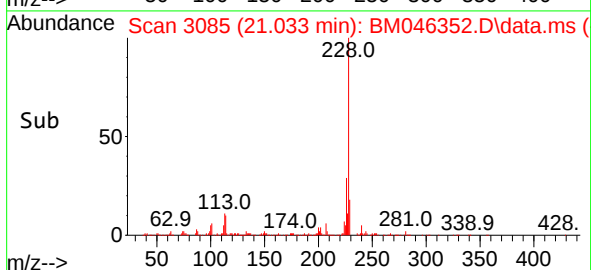
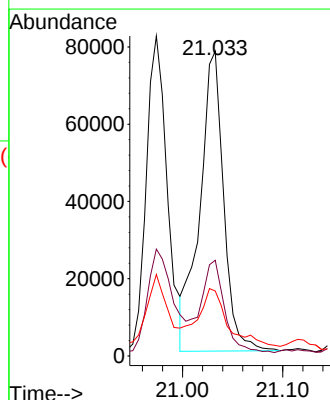
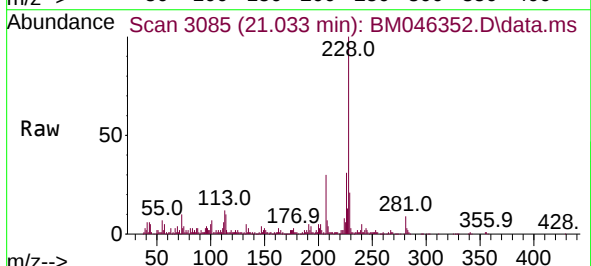
RT: 21.033 min Scan# 3085

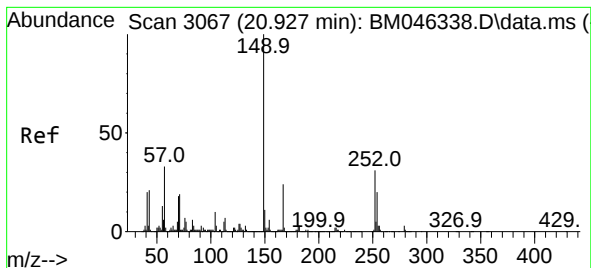
Delta R.T. -0.006 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

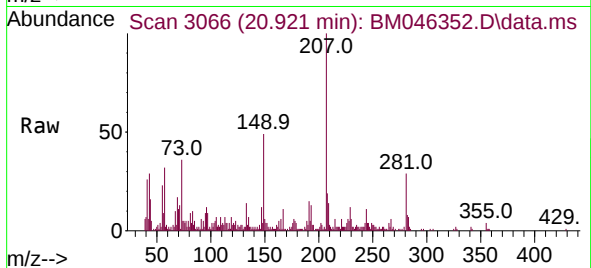
Tgt Ion:228 Resp: 129253
 Ion Ratio Lower Upper
 228 100
 226 31.4 24.6 36.8
 229 21.3 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.882 ng
RT: 20.921 min Scan# 3066
Delta R.T. -0.006 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

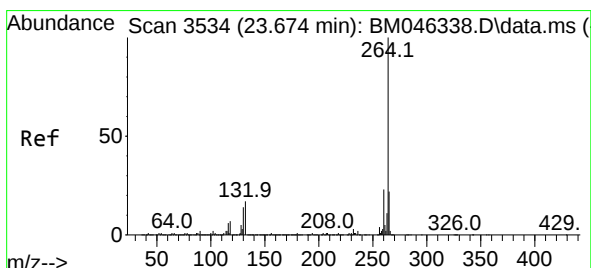
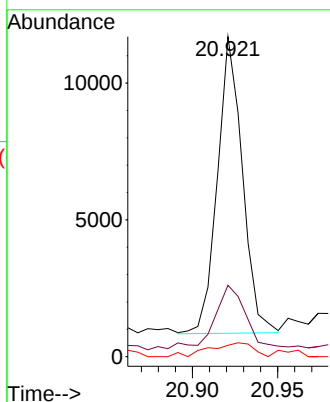
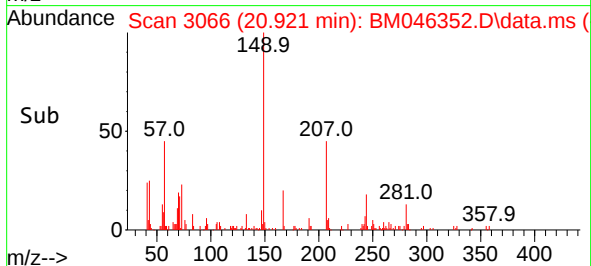
Instrument :
BNA_M
ClientSampleId :
EO-01-062424



Tgt Ion:149 Resp: 1105
Ion Ratio Lower Upper
149 100
167 22.3 19.6 29.4
279 3.5 2.6 4.0

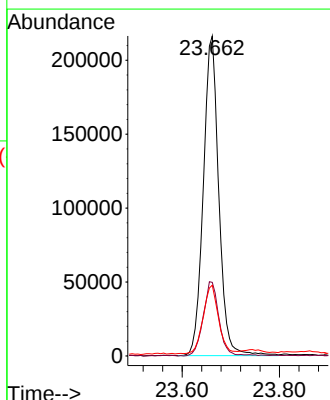
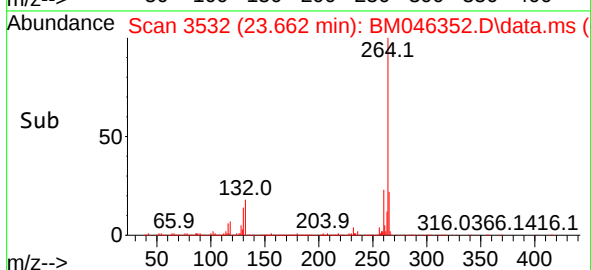
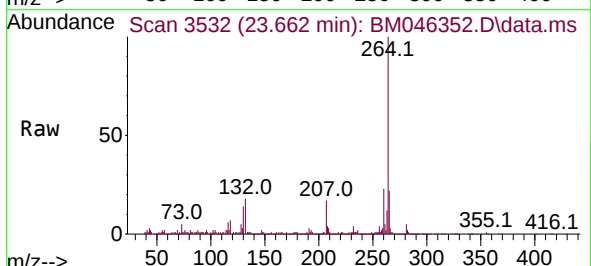
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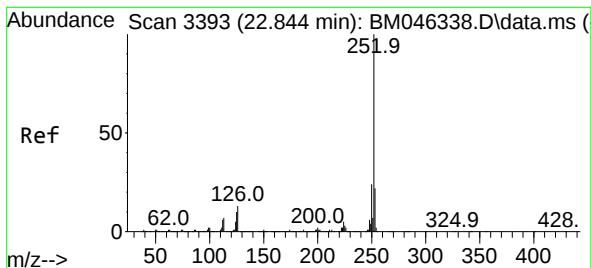
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.662 min Scan# 3532
Delta R.T. -0.012 min
Lab File: BM046352.D
Acq: 28 Jun 2024 14:44

Tgt Ion:264 Resp: 475420
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 22.1 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 3.672 ng

RT: 22.833 min Scan# 3393

Delta R.T. -0.012 min

Lab File: BM046352.D

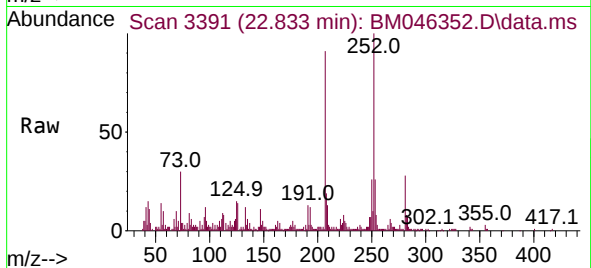
Acq: 28 Jun 2024 14:44

Instrument :

BNA_M

ClientSampleId :

EO-01-062424



Tgt Ion:252 Resp: 10341

Ion Ratio Lower Upper

252 100

253 26.4 17.4 26.0

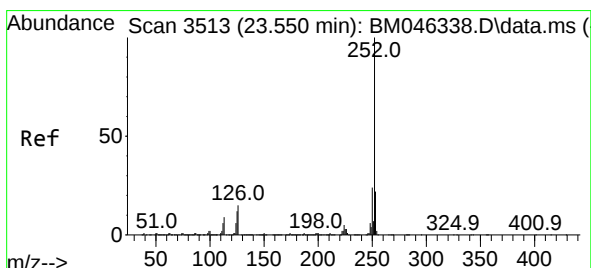
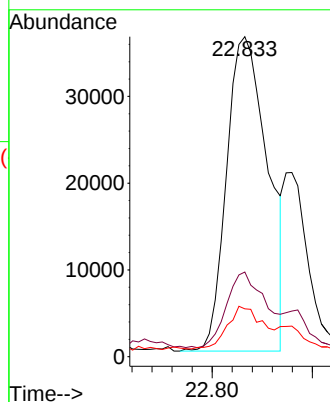
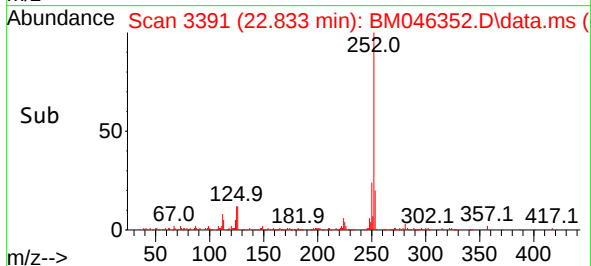
125 15.0 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2024

Supervised By :mohammad ahmed 06/29/2024



#90

Benzo(a)pyrene

Concen: 3.941 ng

RT: 23.532 min Scan# 3510

Delta R.T. -0.018 min

Lab File: BM046352.D

Acq: 28 Jun 2024 14:44

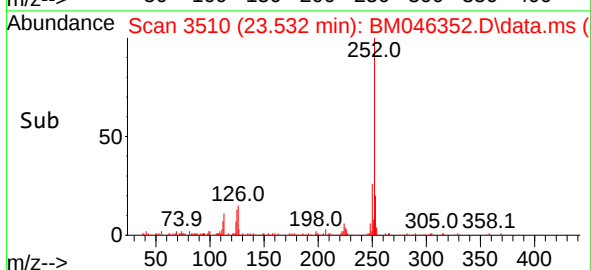
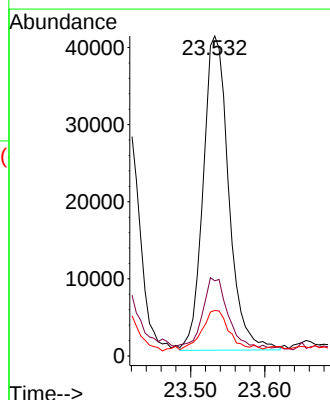
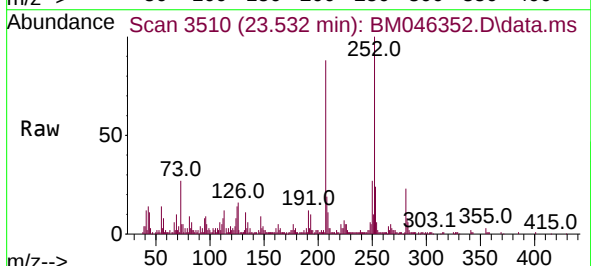
Tgt Ion:252 Resp: 97471

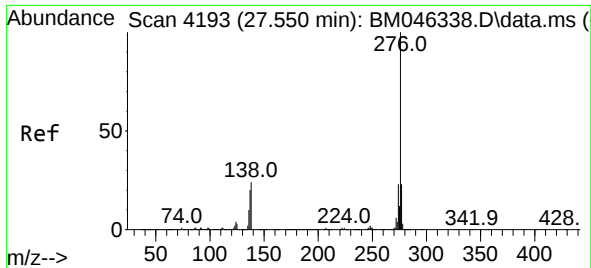
Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

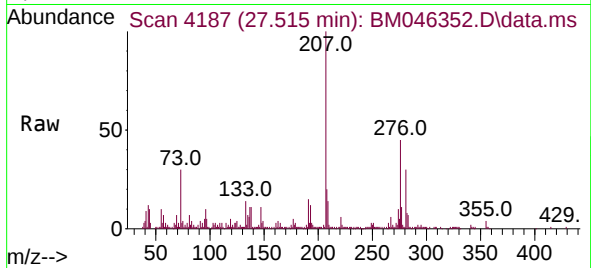
125 14.2 9.8 14.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.550 ng
 RT: 27.515 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: BM046352.D
 Acq: 28 Jun 2024 14:44

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-062424



Tgt Ion: 276 Resp: 64318

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.5	27.7
138	25.6	19.0	28.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/29/2024
 Supervised By :mohammad ahmed 06/29/2024

