

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
 Data File : BM048079.D
 Acq On : 16 Oct 2024 08:16
 Operator : RC/JU
 Sample : P4350-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EOAK8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 16 08:54:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 10 05:10:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	375996	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.569	136	1566747	20.000	ng/u1	#-0.01
38) Acenaphthene-d10	14.415	164	997445	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.156	188	1956724	20.000	ng/u1	0.00
79) Chrysene-d12	21.386	240	1622147	20.000	ng/u1	0.00
88) Perylene-d12	24.385	264	1851910	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	30511	2.622	ng/uL	0.00
4) Pyridine-d5	3.651	84	433042	12.711	ng/u1	0.00
7) Phenol-d5	6.951	99	575783	16.195	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.110	67	360744	14.299	ng/u1	0.00
11) 2-Chlorophenol-d4	7.316	132	514671	19.896	ng/u1	0.00
15) 4-Methylphenol-d8	8.486	113	488544	18.481	ng/u1	0.00
21) Nitrobenzene-d5	8.933	128	256028	20.524	ng/u1	0.00
24) 2-Nitrophenol-d4	9.657	143	278106	23.264	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.198	165	483458	20.245	ng/u1	0.00
31) 4-Chloroaniline-d4	10.704	131	630448	17.076	ng/u1	-0.01
46) Dimethylphthalate-d6	13.827	166	1511699	20.904	ng/u1	0.00
49) Acenaphthylene-d8	14.110	160	1779917	20.759	ng/u1	0.00
54) 4-Nitrophenol-d4	14.633	143	183191	12.723	ng/u1	0.01
60) Fluorene-d10	15.410	176	1315218	20.997	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.533	200	108640	9.488	ng/u1	0.00
73) Anthracene-d10	17.256	188	1992435	20.708	ng/u1	0.00
81) Pyrene-d10	19.545	212	2218236	24.094	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.180	264	2175771	22.644	ng/u1	0.01
Target Compounds					Qvalue	
8) Phenol	6.981	94	52966	1.400	ng/u1	95
30) Naphthalene	10.622	128	226495	2.513	ng/u1	100
36) 2-Methylnaphthalene	12.233	142	1133233	19.791	ng/u1	98
37) 1-Methylnaphthalene	12.451	142	852490	14.633	ng/u1	99
50) Acenaphthylene	14.139	152	116423	1.204	ng/u1#	92
52) Acenaphthene	14.480	153	817186	11.955	ng/u1	98
61) Fluorene	15.462	166	316521	4.123	ng/u1	97
72) Phenanthrene	17.198	178	2186656	19.056	ng/u1	99
74) Anthracene	17.292	178	797416	6.813	ng/u1	99
80) Fluoranthene	19.215	202	1160171	10.700	ng/u1	98
82) Pyrene	19.574	202	1910496	15.831	ng/u1	98
85) Benzo(a)anthracene	21.368	228	1013873m	8.927	ng/u1	
87) Chrysene	21.427	228	941435	8.502	ng/u1	97
90) Benzo(b)fluoranthene	23.438	252	718105	6.218	ng/u1	97
91) Benzo(k)fluoranthene	23.491	252	198432m	1.680	ng/u1	
93) Benzo(a)pyrene	24.238	252	913409	8.328	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	27.756	276	341545	2.430	ng/u1	95
95) Dibenzo(a,h)anthracene	27.785	278	122139m	1.060	ng/u1	
96) Benzo(g,h,i)perylene	28.809	276	431235	3.916	ng/u1	95

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

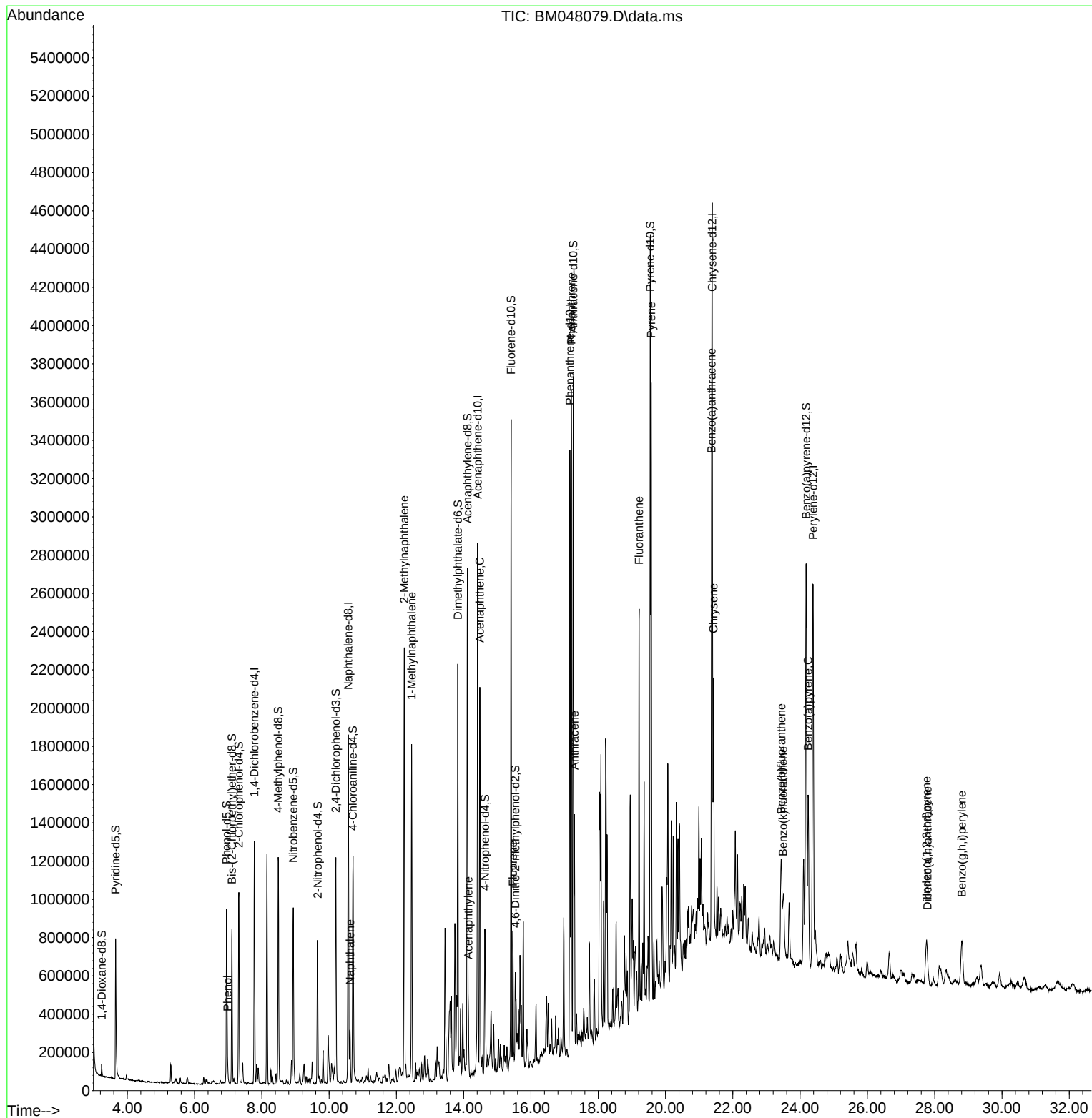
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
Data File : BM048079.D
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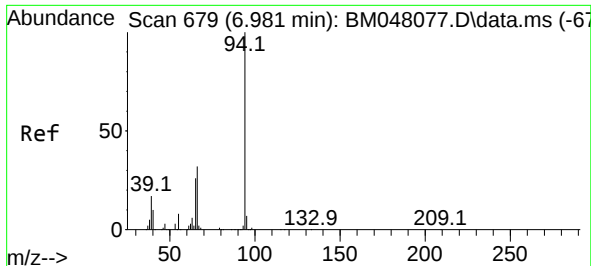
Instrument :
BNA_M
ClientSampleId :
EOAK8

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Quant Title : SVOA CALIBRATION
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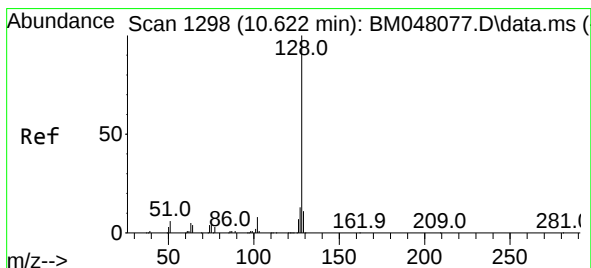
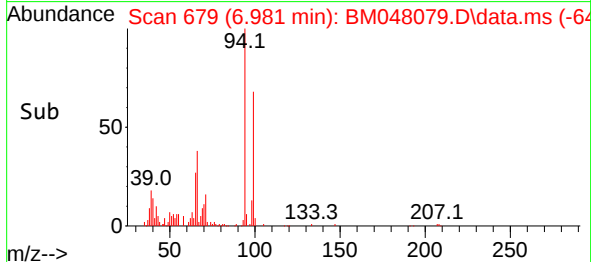
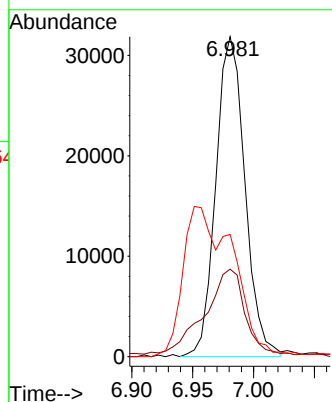
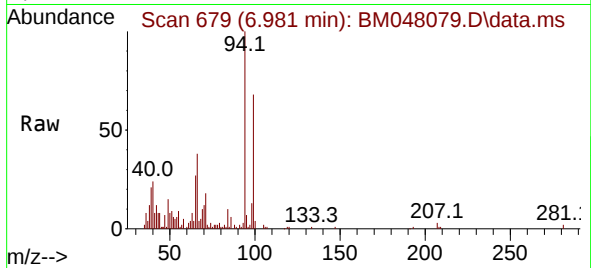
#8
Phenol
Concen: 1.400 ng/ul
RT: 6.981 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16

Instrument :
BNA_M
ClientSampleId :
EOAK8

Tgt Ion: 94 Resp: 52960
Ion Ratio Lower Upper
94 100
65 27.4 26.3 39.5
66 38.2 30.5 45.7

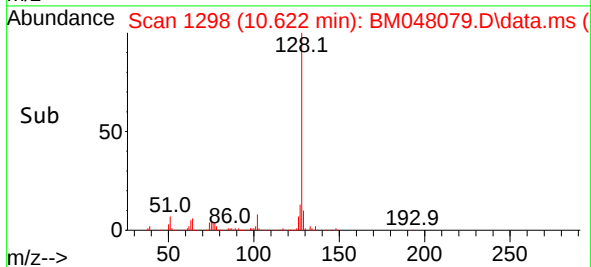
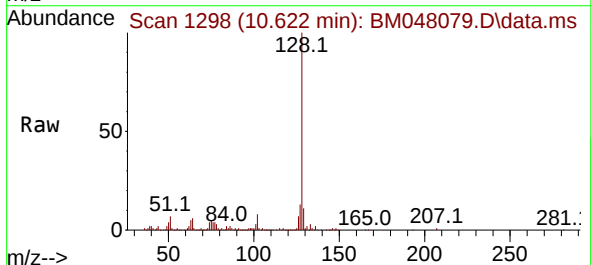
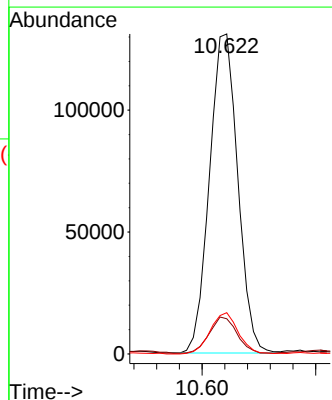
Manual Integrations
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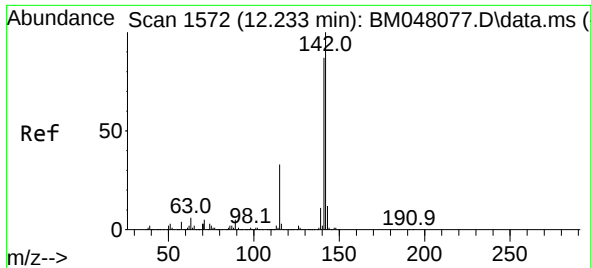
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#30
Naphthalene
Concen: 2.513 ng/ul
RT: 10.622 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16

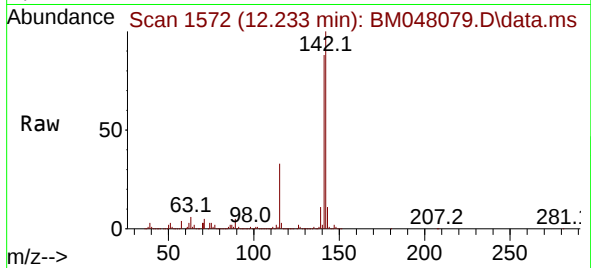
Tgt Ion:128 Resp: 226495
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 12.9 10.4 15.6





#36
2-Methylnaphthalene
Concen: 19.791 ng/ul
RT: 12.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16

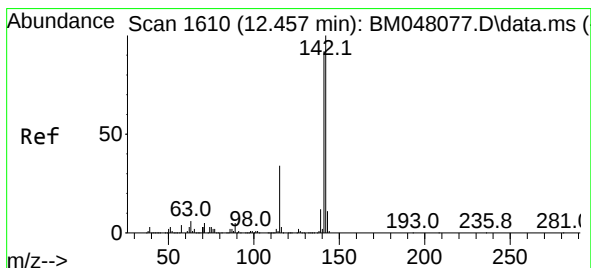
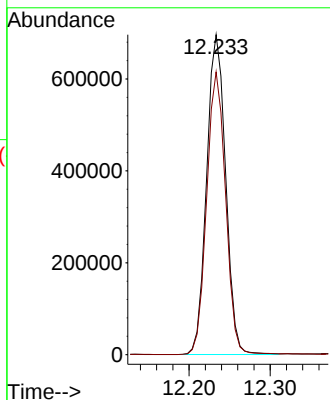
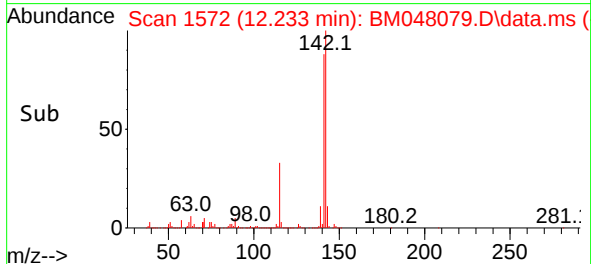
Instrument :
BNA_M
ClientSampleId :
EOAK8



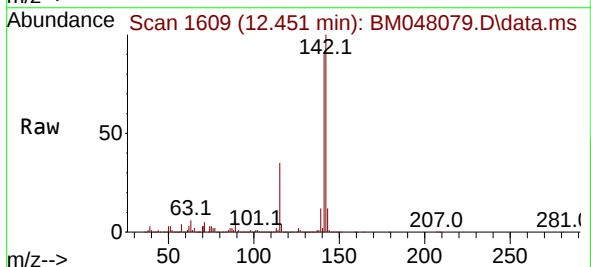
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Ion Ratio Lower Upper
142 100
141 88.4 72.5 108.7

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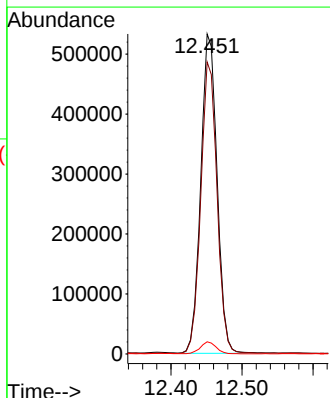
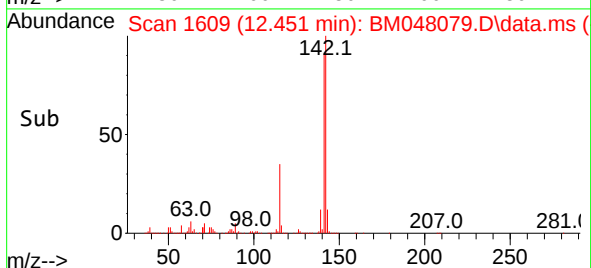
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

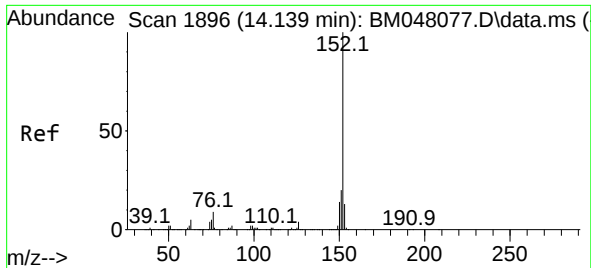


#37
1-Methylnaphthalene
Concen: 14.633 ng/ul
RT: 12.451 min Scan# 1609
Delta R.T. -0.012 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16



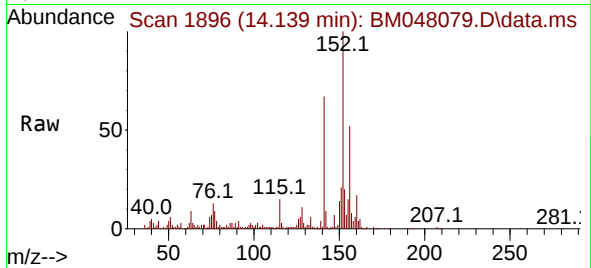
Tgt Ion:142 Resp: 852490
Ion Ratio Lower Upper
142 100
141 91.2 73.4 110.2
116 3.8 3.0 4.6





#50
Acenaphthylene
Concen: 1.204 ng/ul
RT: 14.139 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16

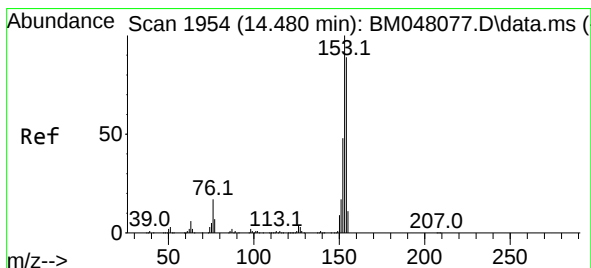
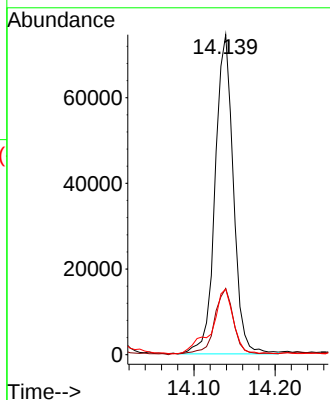
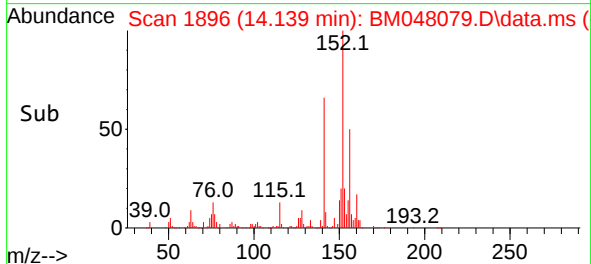
Instrument :
BNA_M
ClientSampleId :
EOAK8



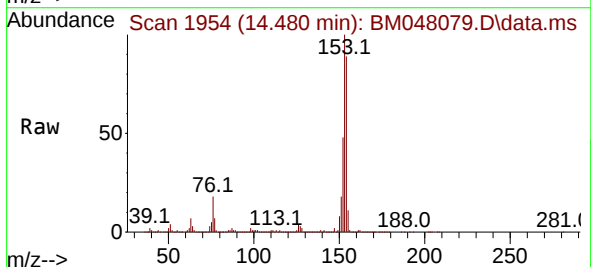
Tgt Ion:152 Resp: 116423
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.2
153 20.5 10.7 16.1

Manual Integrations
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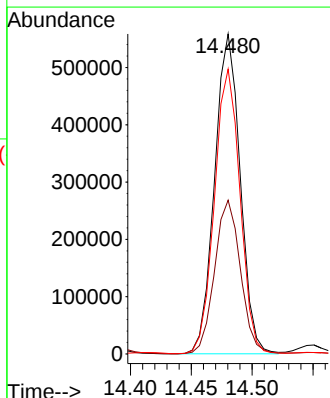
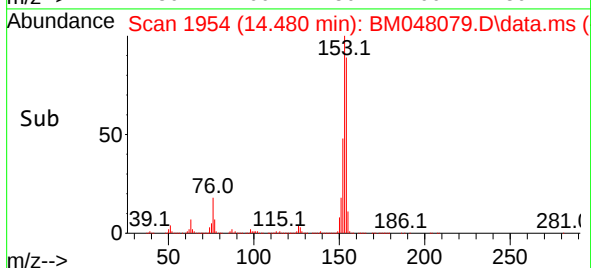
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

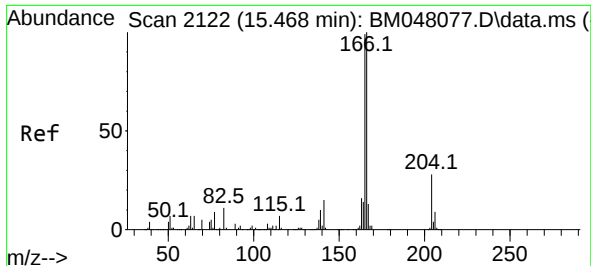


#52
Acenaphthene
Concen: 11.955 ng/ul
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16



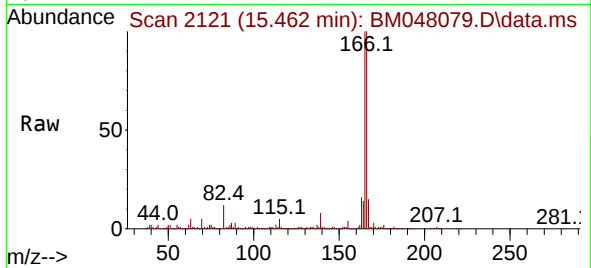
Tgt Ion:153 Resp: 817186
Ion Ratio Lower Upper
153 100
152 48.0 39.7 59.5
154 89.0 72.6 108.8





#61
Fluorene
Concen: 4.123 ng/ul
RT: 15.462 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16

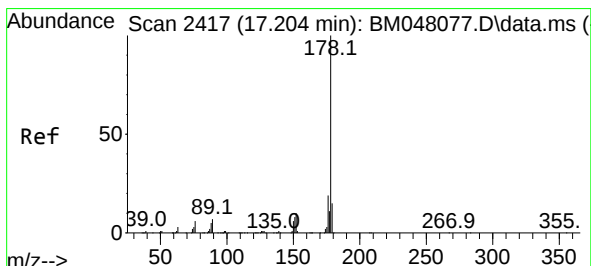
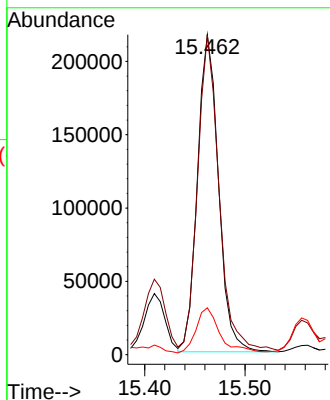
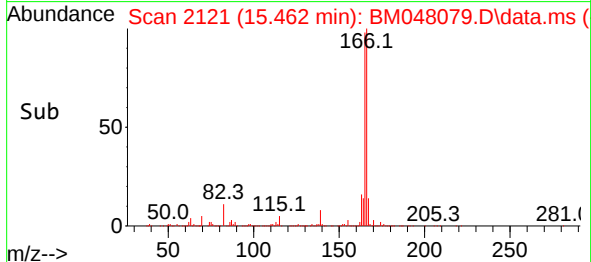
Instrument :
BNA_M
ClientSampleId :
EOAK8



Tgt Ion:166 Resp: 31652
Ion Ratio Lower Upper
166 100
165 99.9 77.8 116.6
167 14.6 10.8 16.2

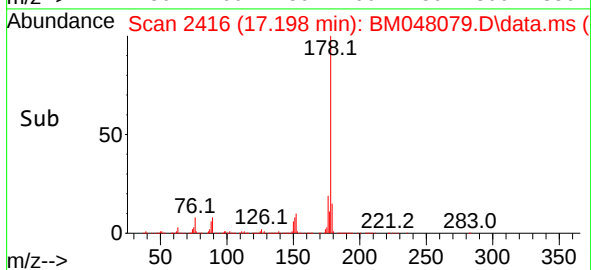
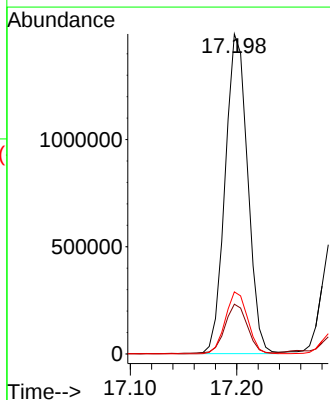
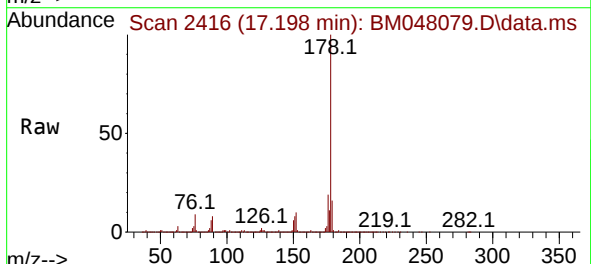
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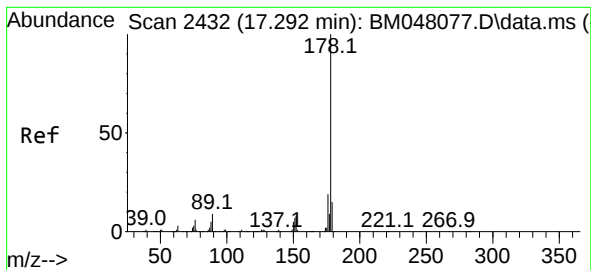
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#72
Phenanthrene
Concen: 19.056 ng/ul
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16

Tgt Ion:178 Resp: 2186656
Ion Ratio Lower Upper
178 100
179 15.5 12.0 18.0
176 19.4 15.4 23.0





#74

Anthracene

Concen: 6.813 ng/uI

RT: 17.292 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BM048079.D

Acq: 16 Oct 2024 08:16

Instrument :

BNA_M

ClientSampleId :

EOAK8

Tgt Ion:178 Resp: 797410

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

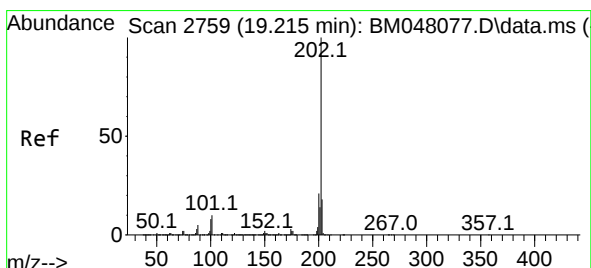
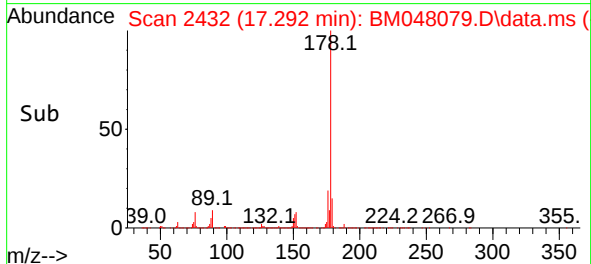
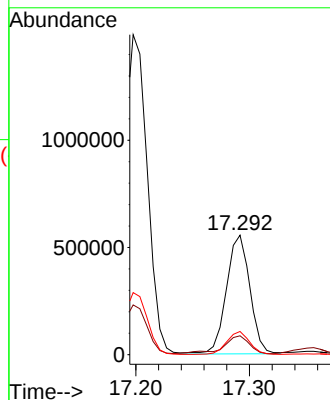
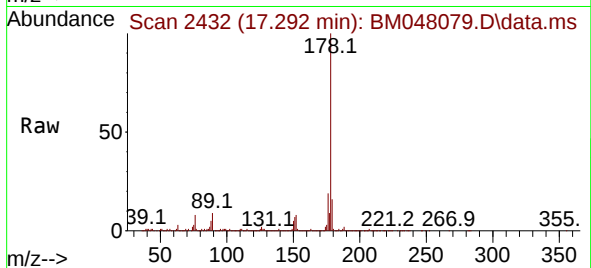
176 19.4 14.7 22.1

Manual Integrations

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Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#80

Fluoranthene

Concen: 10.700 ng/uI

RT: 19.215 min Scan# 2759

Delta R.T. 0.000 min

Lab File: BM048079.D

Acq: 16 Oct 2024 08:16

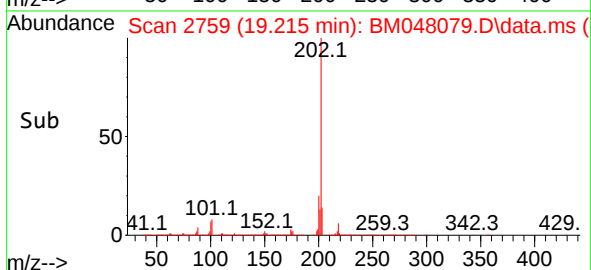
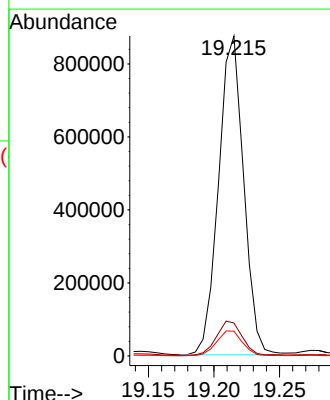
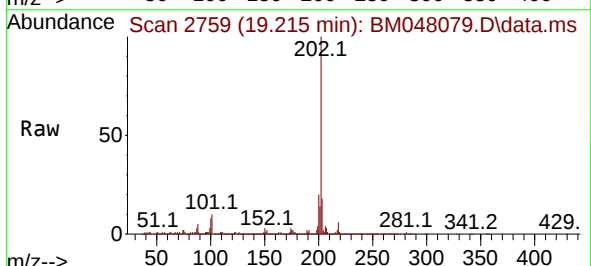
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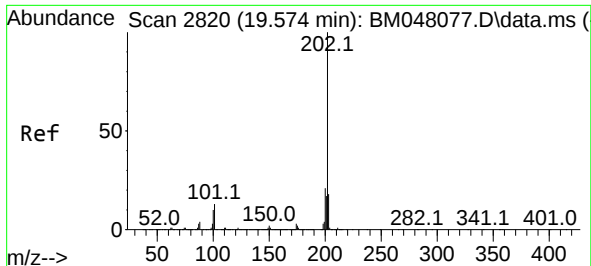
Ion Ratio Lower Upper

202 100

101 10.3 9.0 13.4

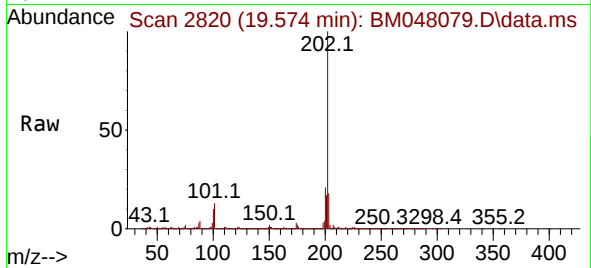
100 7.8 6.8 10.2





#82
Pyrene
Concen: 15.831 ng/ul
RT: 19.574 min Scan# 2820
Delta R.T. 0.000 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16

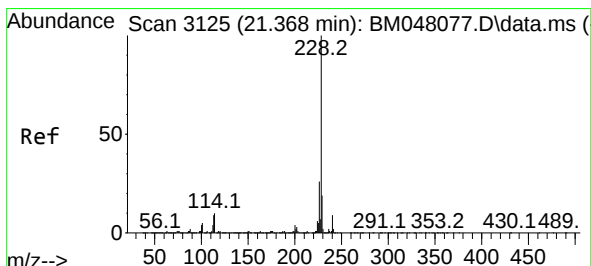
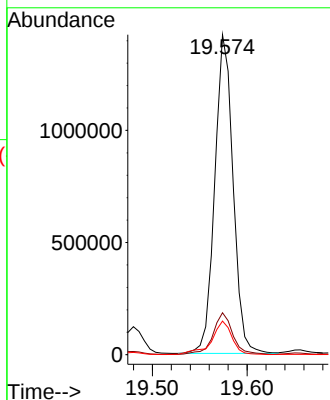
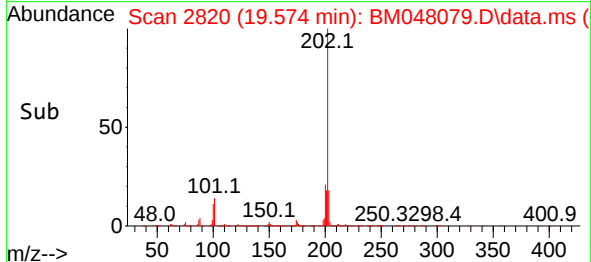
Instrument :
BNA_M
ClientSampleId :
EOAK8



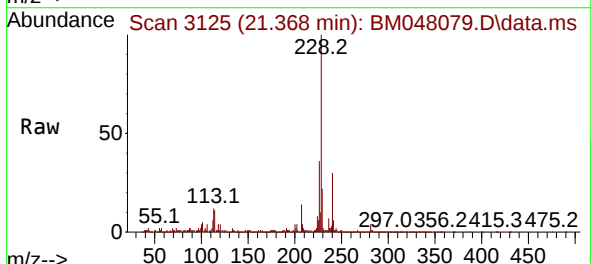
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Ion Ratio Lower Upper
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100 10.5 9.4 14.2

Manual Integrations
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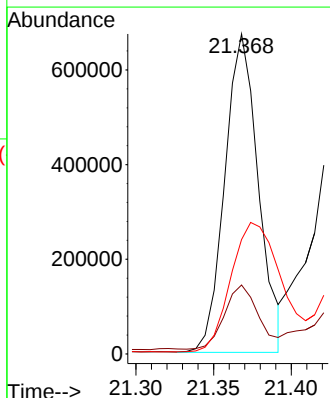
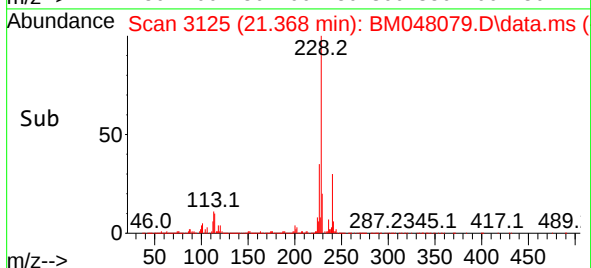
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

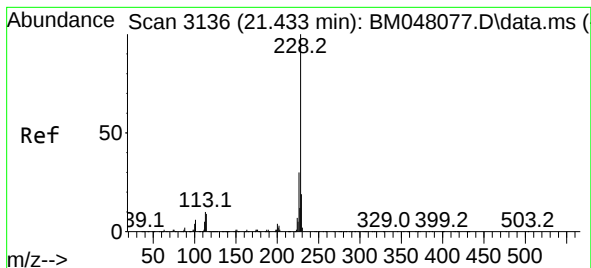


#85
Benzo(a)anthracene
Concen: 8.927 ng/ul m
RT: 21.368 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16



Tgt Ion:228 Resp: 1013873
Ion Ratio Lower Upper
228 100
229 21.6 15.6 23.4
226 35.8 21.9 32.9#





#87

Chrysene

Concen: 8.502 ng/u1

RT: 21.427 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM048079.D

Acq: 16 Oct 2024 08:16

Instrument :

BNA_M

ClientSampleId :

EOAK8

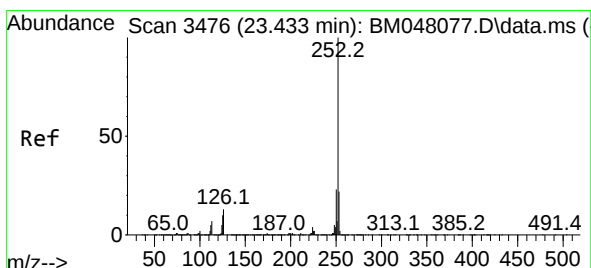
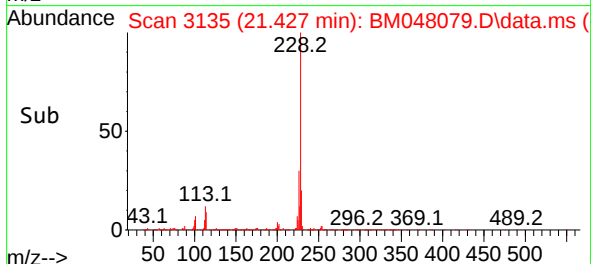
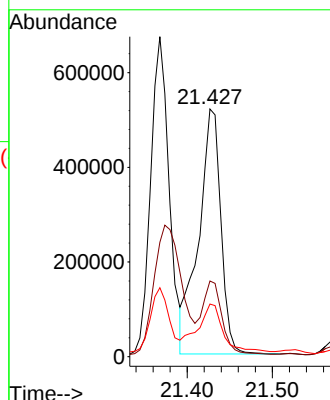
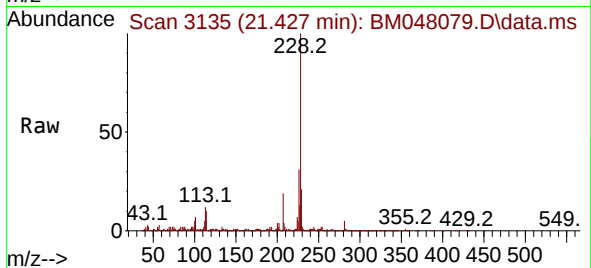
Tgt Ion:228 Resp: 941435
 Ion Ratio Lower Upper
 228 100
 226 30.6 23.6 35.4
 229 21.3 15.3 22.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#90

Benzo(b)fluoranthene

Concen: 6.218 ng/u1

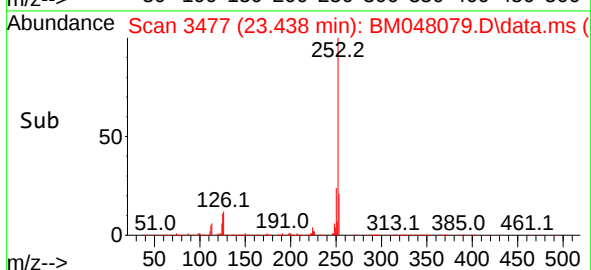
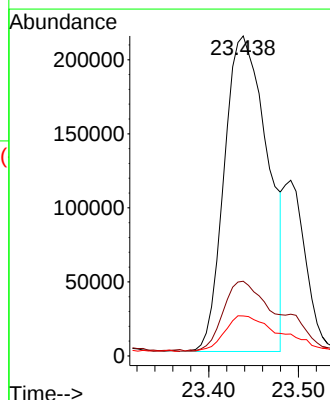
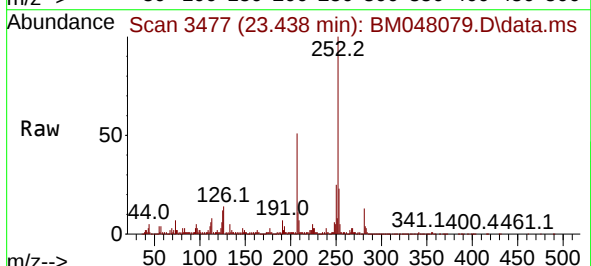
RT: 23.438 min Scan# 3477

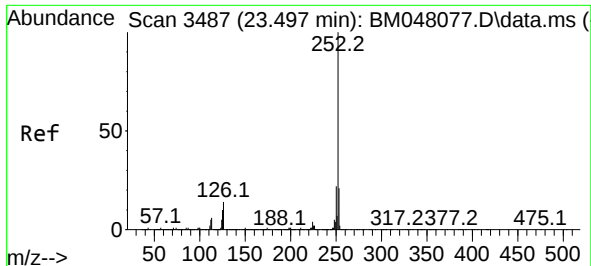
Delta R.T. 0.012 min

Lab File: BM048079.D

Acq: 16 Oct 2024 08:16

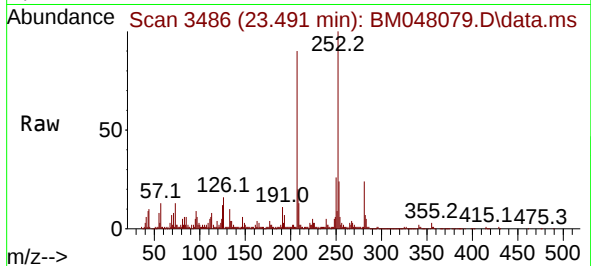
Tgt Ion:252 Resp: 718105
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.4 26.2
 125 12.5 9.0 13.4





#91
Benzo(k)fluoranthene
Concen: 1.680 ng/ul m
RT: 23.491 min Scan# 3486
Delta R.T. 0.006 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16

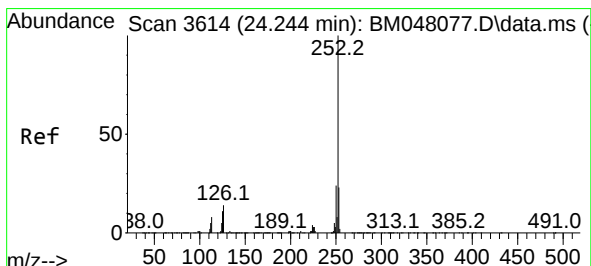
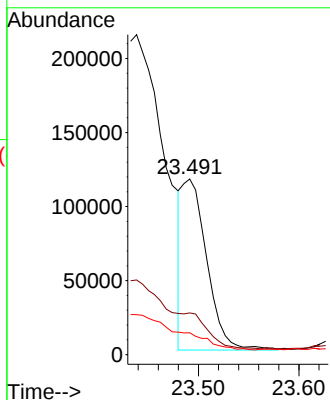
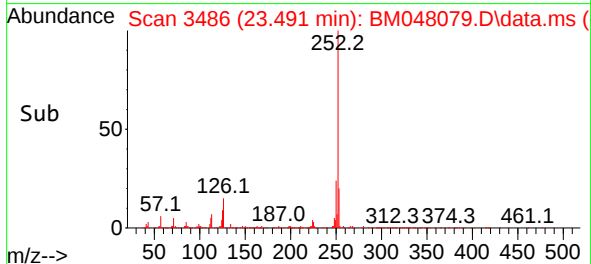
Instrument :
BNA_M
ClientSampleId :
EOAK8



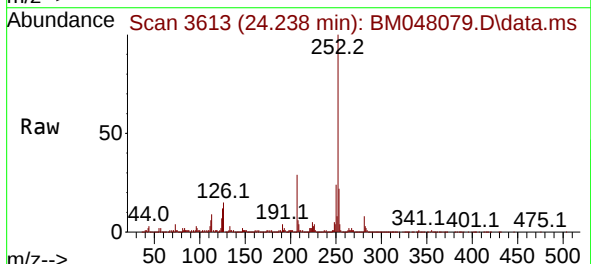
Tgt Ion:252 Resp: 19843
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 12.5 8.9 13.3

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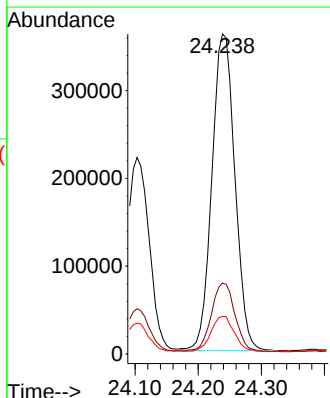
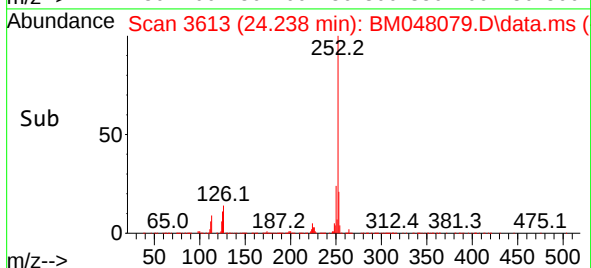
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

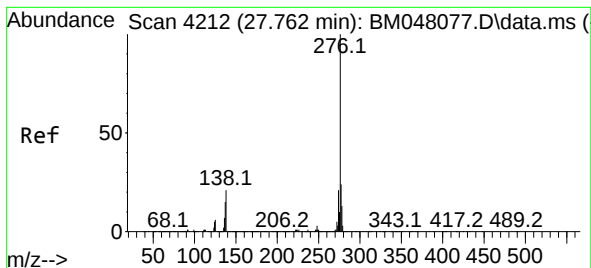


#93
Benzo(a)pyrene
Concen: 8.328 ng/ul
RT: 24.238 min Scan# 3613
Delta R.T. 0.006 min
Lab File: BM048079.D
Acq: 16 Oct 2024 08:16



Tgt Ion:252 Resp: 913409
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 11.7 10.1 15.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.430 ng/ul

RT: 27.756 min Scan# 4211

Delta R.T. 0.012 min

Lab File: BM048079.D

Acq: 16 Oct 2024 08:16

Instrument :

BNA_M

ClientSampleId :

EOAK8

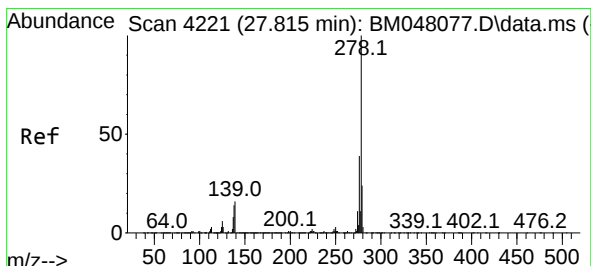
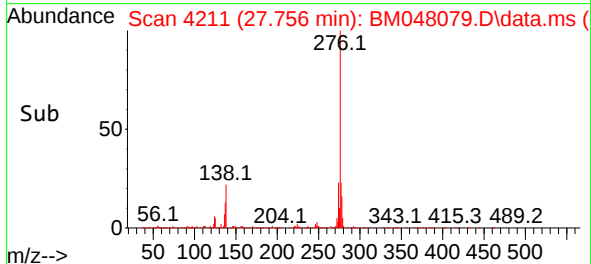
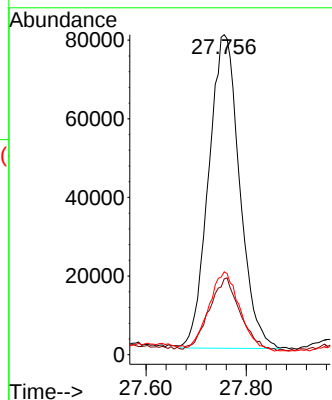
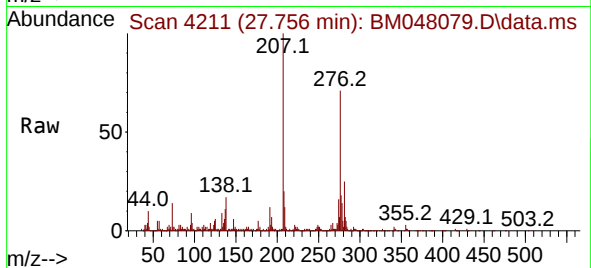
Tgt Ion:	276	Resp:	34154
Ion Ratio	Lower	Upper	
276	100		
138	23.7	16.9	25.3
277	25.9	18.9	28.3

Manual Integrations

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Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.060 ng/ul m

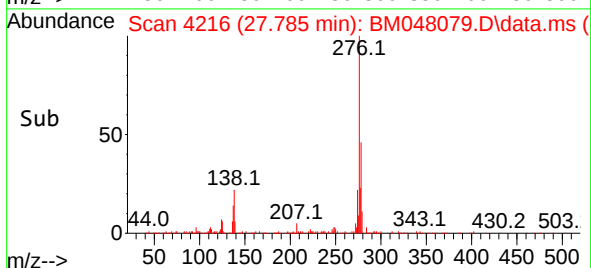
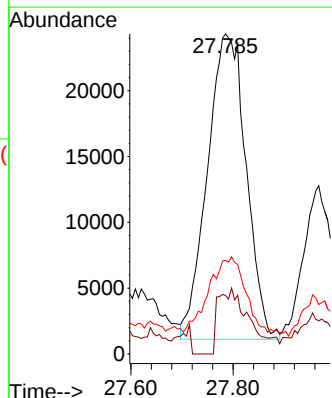
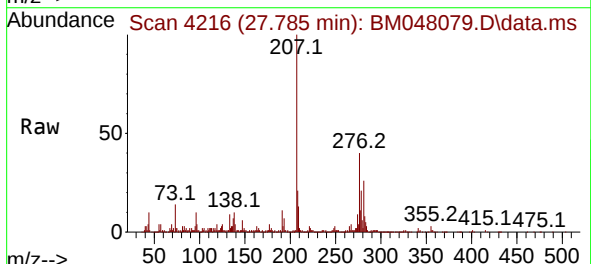
RT: 27.785 min Scan# 4216

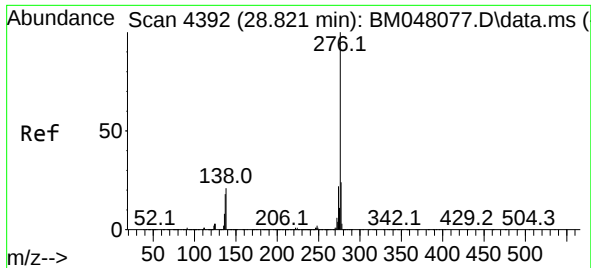
Delta R.T. -0.012 min

Lab File: BM048079.D

Acq: 16 Oct 2024 08:16

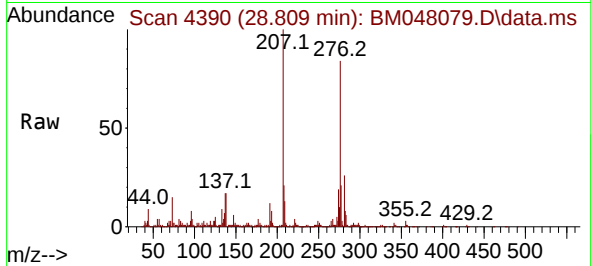
Tgt Ion:	278	Resp:	122139
Ion Ratio	Lower	Upper	
278	100		
139	18.3	13.4	20.2
279	29.2	18.4	27.6





#96
 Benzo(g,h,i)perylene
 Concen: 3.916 ng/ul
 RT: 28.809 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: BM048079.D
 Acq: 16 Oct 2024 08:16

Instrument :
 BNA_M
 ClientSampleId :
 EOAK8



Tgt Ion: 276 Resp: 431235
 Ion Ratio Lower Upper
 276 100
 138 20.1 18.7 28.1
 277 24.4 18.3 27.5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024

