

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100724\
 Data File : BM047934.D
 Acq On : 09 Oct 2024 05:36
 Operator : RC/JU
 Sample : P4183-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4EK6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :mohammad ahmed 10/11/2024

Quant Time: Oct 09 06:14:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 04 08:32:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	256183	20.000	ng/u1	0.00
20) Naphthalene-d8	10.586	136	1026126	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.427	164	633476	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.168	188	1273866	20.000	ng/u1	0.00
79) Chrysene-d12	21.397	240	1042657	20.000	ng/u1	0.00
88) Perylene-d12	24.397	264	1206854	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	18226	2.299	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.963	99	482726	19.927	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.122	67	290409	16.894	ng/u1	0.00
11) 2-Chlorophenol-d4	7.328	132	415025	23.548	ng/u1	0.00
15) 4-Methylphenol-d8	8.498	113	321328	17.841	ng/u1	0.00
21) Nitrobenzene-d5	8.945	128	191598	23.451	ng/u1	0.00
24) 2-Nitrophenol-d4	9.669	143	206277	26.347	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.210	165	367703	23.510	ng/u1	0.00
31) 4-Chloroaniline-d4	10.722	131	60755m	2.513	ng/u1	0.00
46) Dimethylphthalate-d6	13.833	166	999721	21.767	ng/u1	-0.01
49) Acenaphthylene-d8	14.121	160	1191101	21.873	ng/u1	0.00
54) 4-Nitrophenol-d4	14.627	143	152453	16.672	ng/u1	0.00
60) Fluorene-d10	15.421	176	912888	22.948	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.539	200	108838	14.600	ng/u1	0.00
73) Anthracene-d10	17.268	188	1415698	22.601	ng/u1	0.00
81) Pyrene-d10	19.556	212	1489982	25.179	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.191	264	1150575	18.375	ng/u1	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.934	77	15183	1.152	ng/u1	85
8) Phenol	6.993	94	51817	2.010	ng/u1	93
16) Acetophenone	8.610	105	122682	3.981	ng/u1	92
50) Acenaphthylene	14.151	152	150019	2.443	ng/u1	100
61) Fluorene	15.474	166	55686	1.142	ng/u1	98
72) Phenanthrene	17.210	178	1548135	20.724	ng/u1	99
74) Anthracene	17.298	178	315364	4.139	ng/u1	100
77) Carbazole	17.568	167	192048	2.781	ng/u1	98
80) Fluoranthene	19.221	202	4372559	62.739	ng/u1	99
82) Pyrene	19.586	202	3080245	39.709	ng/u1	97
83) Butylbenzylphthalate	20.474	149	100225	3.655	ng/u1	91
85) Benzo(a)anthracene	21.374	228	1705628	23.364	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.297	149	711210	17.274	ng/u1	98
87) Chrysene	21.439	228	2265091	31.826	ng/u1	98
90) Benzo(b)fluoranthene	23.456	252	3208807	42.635	ng/u1	98
91) Benzo(k)fluoranthene	23.509	252	1117175m	14.517	ng/u1	
93) Benzo(a)pyrene	24.256	252	1088159	15.224	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.785	276	1235817	13.491	ng/u1	99
95) Dibenzo(a,h)anthracene	27.826	278	396520	5.282	ng/u1#	88
96) Benzo(g,h,i)perylene	28.850	276	154820	2.157	ng/u1#	90

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

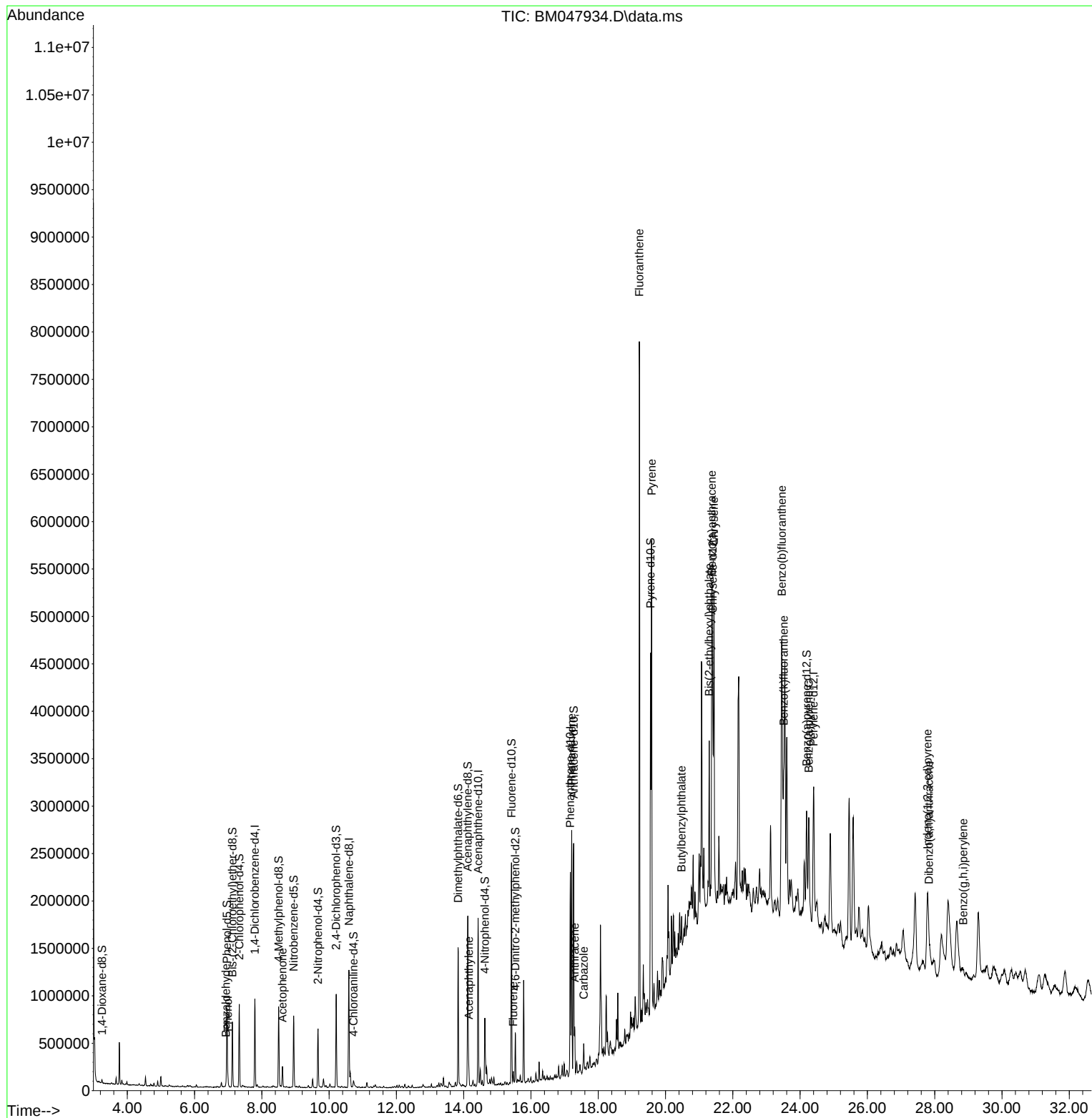
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100724\
Data File : BM047934.D
Acq On : 09 Oct 2024 05:36
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ALS Vial : 24 Sample Multiplier: 1

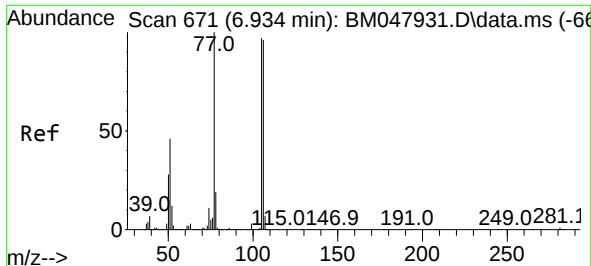
Instrument :
BNA_M
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A4EK6

Quant Time: Oct 09 06:14:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

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Supervised By :mohammad ahmed 10/11/2024





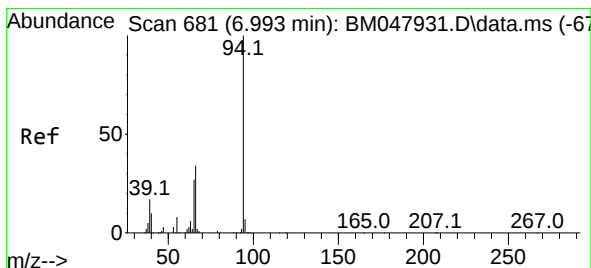
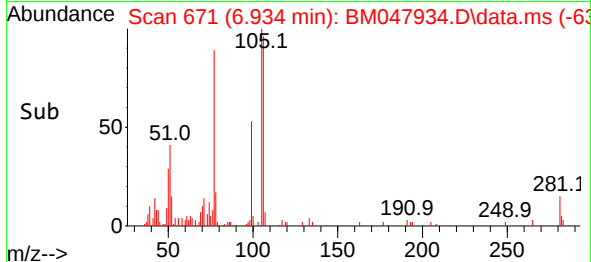
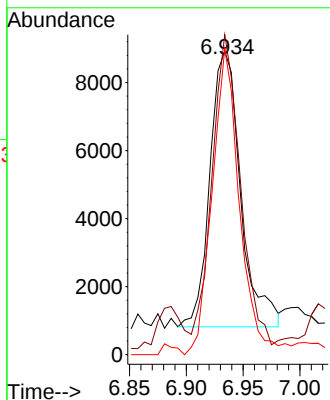
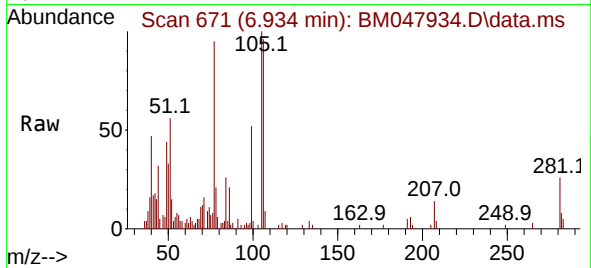
#6
Benzaldehyde
Concen: 1.152 ng/ul
RT: 6.934 min Scan# 671
Delta R.T. -0.006 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36

Instrument :
BNA_M
ClientSampleId :
A4EK6

Tgt Ion: 77 Resp: 1518
Ion Ratio Lower Upper
77 100
105 105.4 72.2 108.2
106 100.7 70.7 106.1

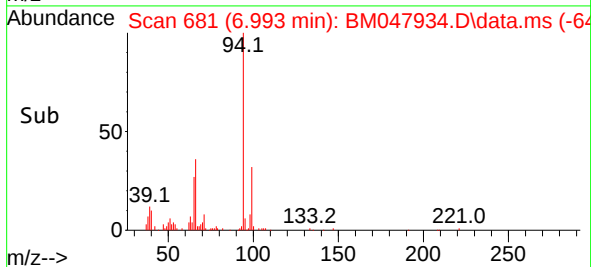
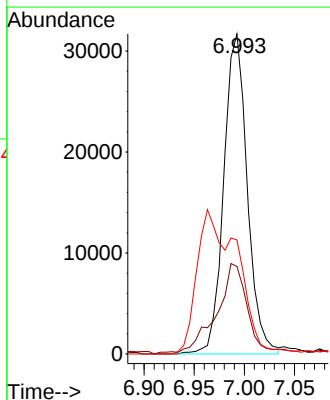
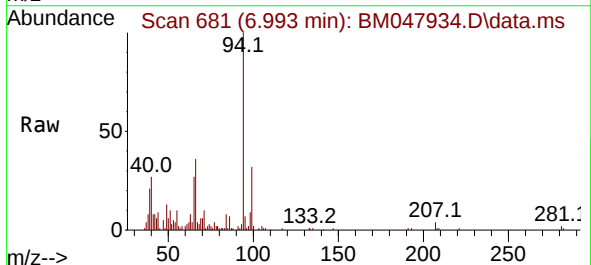
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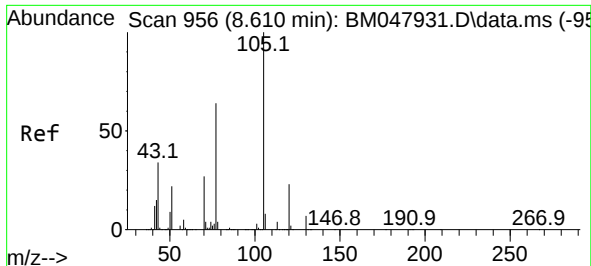
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#8
Phenol
Concen: 2.010 ng/ul
RT: 6.993 min Scan# 681
Delta R.T. 0.000 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36

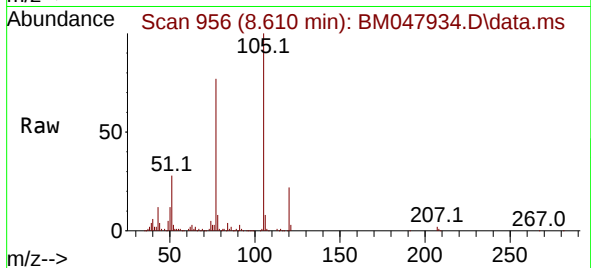
Tgt Ion: 94 Resp: 51817
Ion Ratio Lower Upper
94 100
65 27.4 26.3 39.5
66 35.6 30.5 45.7





#16
Acetophenone
Concen: 3.981 ng/ul
RT: 8.610 min Scan# 956
Delta R.T. -0.012 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36

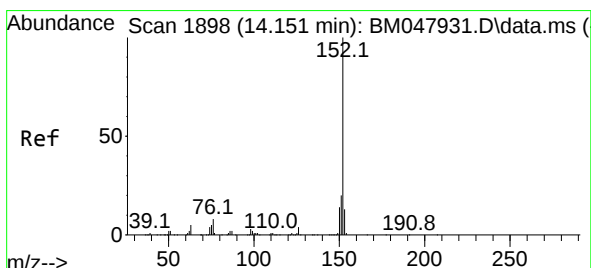
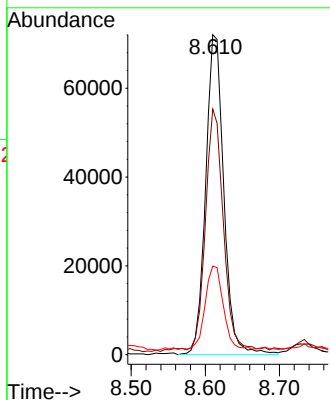
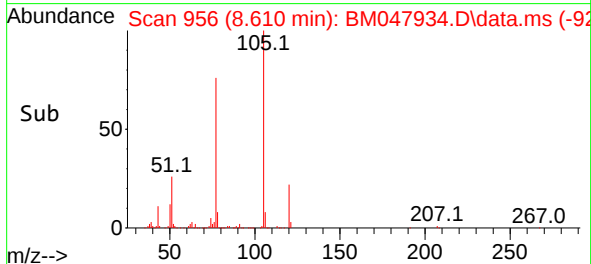
Instrument :
BNA_M
ClientSampleId :
A4EK6



Tgt Ion:105 Resp: 122682
Ion Ratio Lower Upper
105 100
77 76.7 66.6 100.0
51 27.7 27.0 40.4

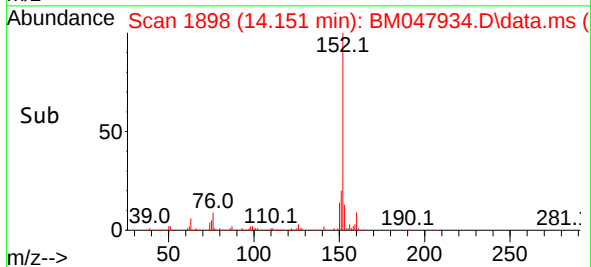
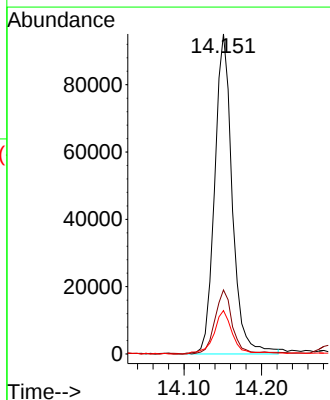
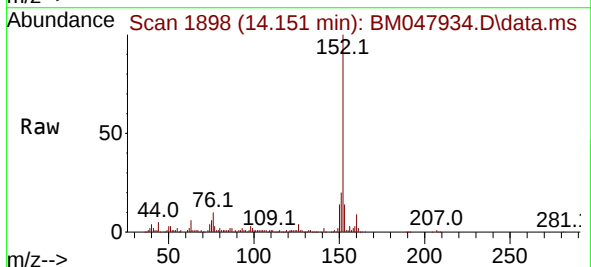
Manual Integrations
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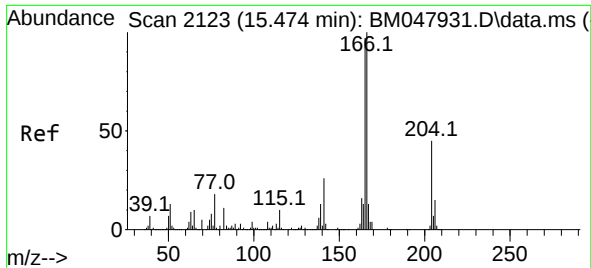
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#50
Acenaphthylene
Concen: 2.443 ng/ul
RT: 14.151 min Scan# 1898
Delta R.T. -0.006 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36

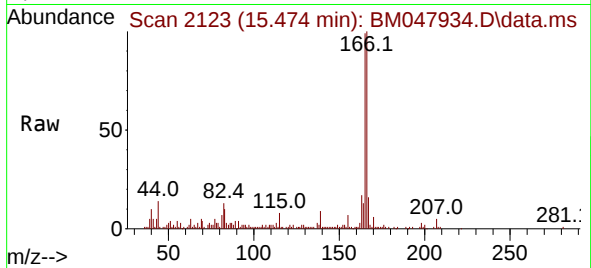
Tgt Ion:152 Resp: 150019
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.6 10.7 16.1





#61
Fluorene
Concen: 1.142 ng/ul
RT: 15.474 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36

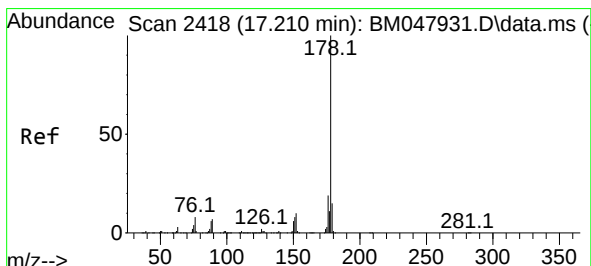
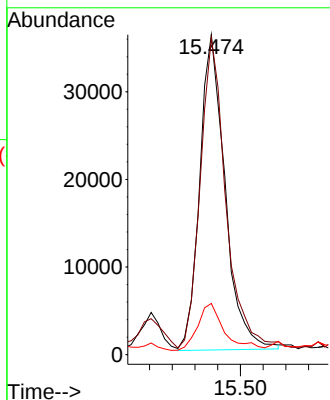
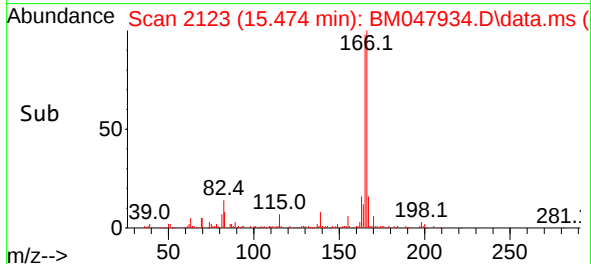
Instrument :
BNA_M
ClientSampleId :
A4EK6



Tgt Ion:166 Resp: 55680
Ion Ratio Lower Upper
166 100
165 99.0 77.8 116.6
167 16.0 10.8 16.2

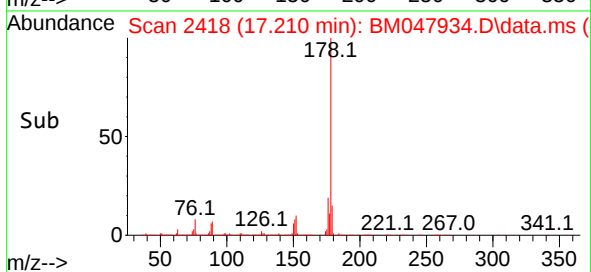
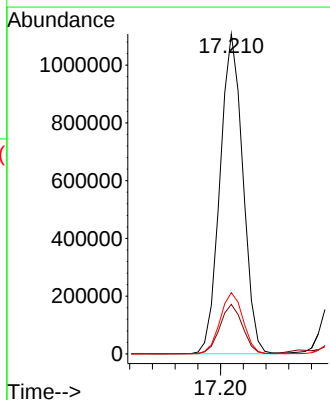
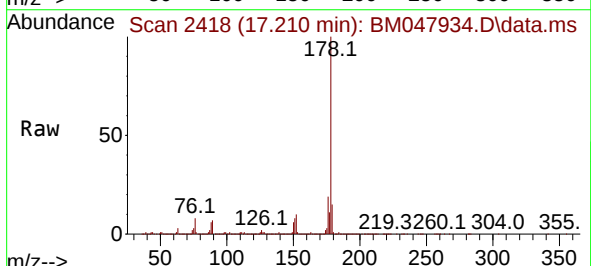
Manual Integrations
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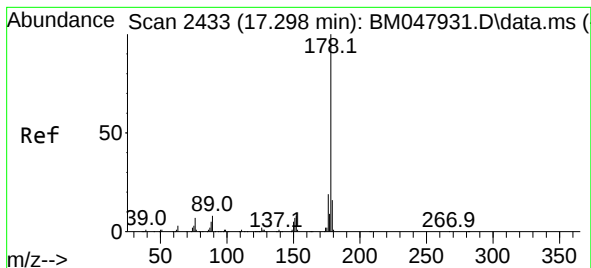
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#72
Phenanthrene
Concen: 20.724 ng/ul
RT: 17.210 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36

Tgt Ion:178 Resp: 1548135
Ion Ratio Lower Upper
178 100
179 15.5 12.0 18.0
176 19.1 15.4 23.0





#74

Anthracene

Concen: 4.139 ng/ul

RT: 17.298 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BM047934.D

Acq: 09 Oct 2024 05:36

Instrument :

BNA_M

ClientSampleId :

A4EK6

Tgt Ion:178 Resp: 315364

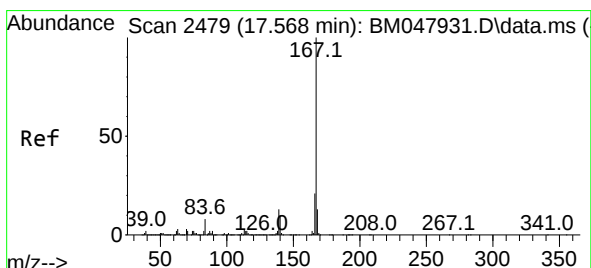
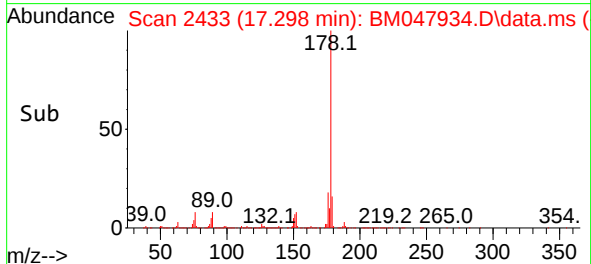
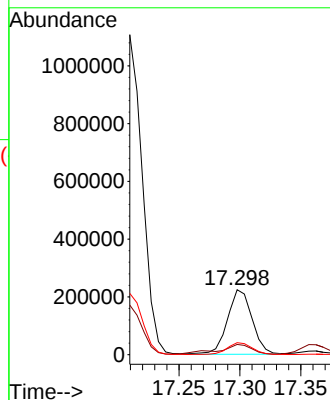
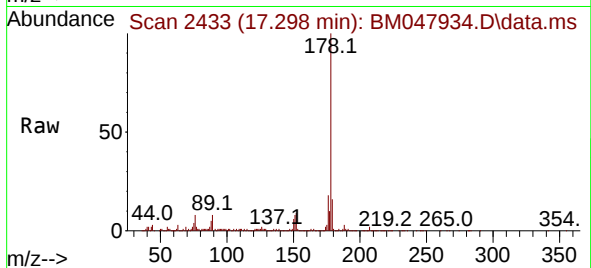
Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	18.4	14.7	22.1

Manual Integrations

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Supervised By :mohammad ahmed 10/11/2024



#77

Carbazole

Concen: 2.781 ng/ul

RT: 17.568 min Scan# 2479

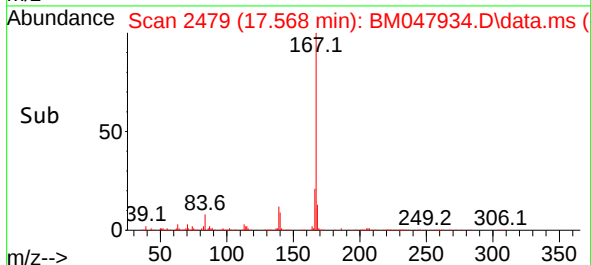
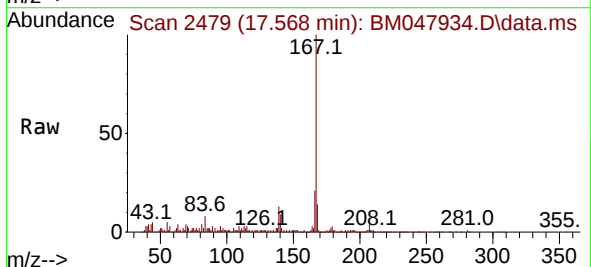
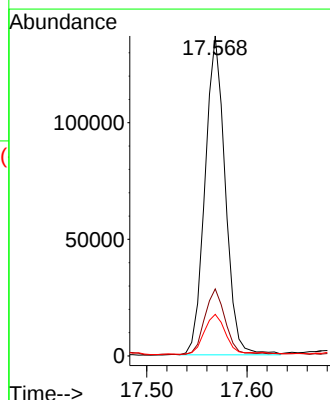
Delta R.T. -0.006 min

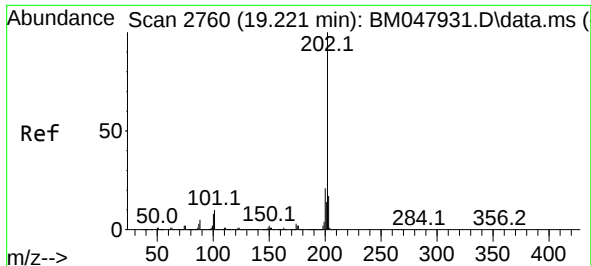
Lab File: BM047934.D

Acq: 09 Oct 2024 05:36

Tgt Ion:167 Resp: 192048

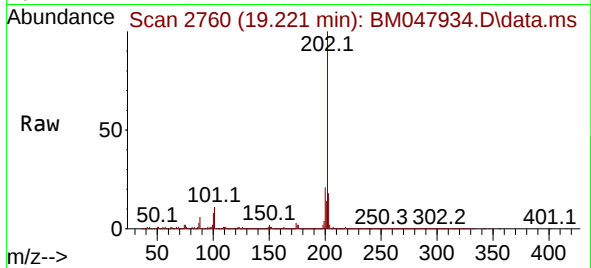
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.4	26.0
139	13.0	10.9	16.3





#80
Fluoranthene
Concen: 62.739 ng/u1
RT: 19.221 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36

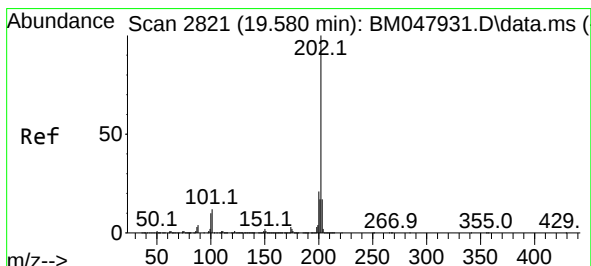
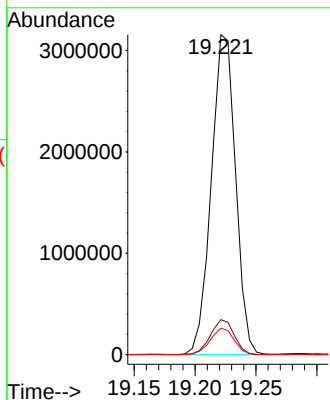
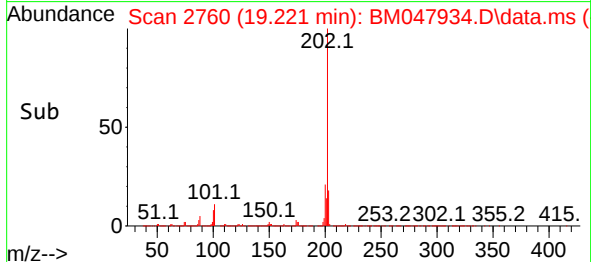
Instrument :
BNA_M
ClientSampleId :
A4EK6



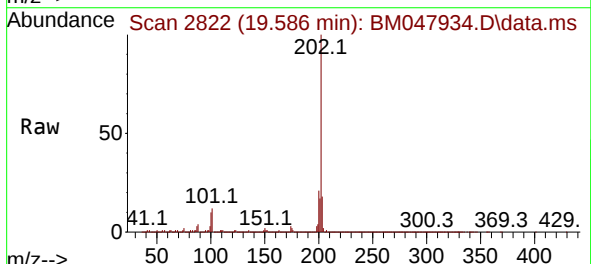
Tgt Ion:202 Resp: 437255
Ion Ratio Lower Upper
202 100
101 11.0 9.0 13.4
100 8.3 6.8 10.2

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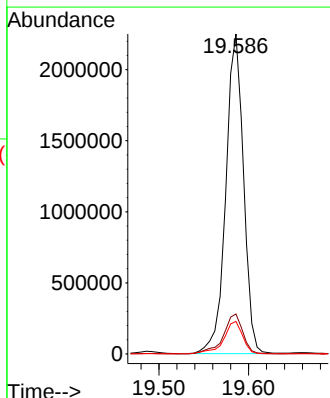
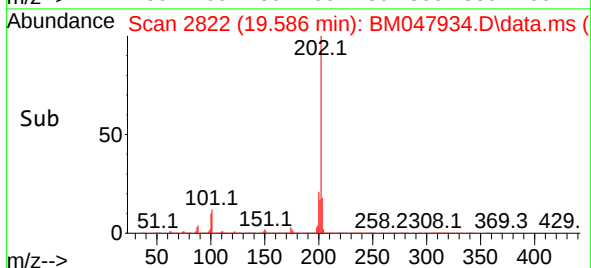
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024

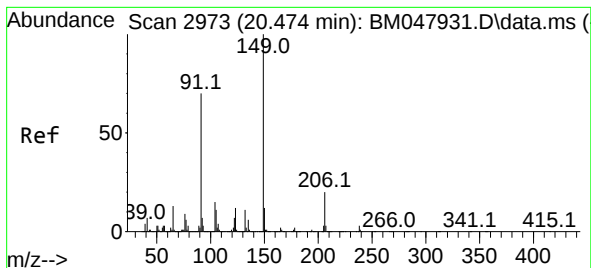


#82
Pyrene
Concen: 39.709 ng/u1
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36



Tgt Ion:202 Resp: 3080245
Ion Ratio Lower Upper
202 100
101 12.5 10.9 16.3
100 10.1 9.4 14.2





#83

Butylbenzylphthalate

Concen: 3.655 ng/ul

RT: 20.474 min Scan# 2973

Delta R.T. -0.006 min

Lab File: BM047934.D

Acq: 09 Oct 2024 05:36

Instrument :

BNA_M

ClientSampleId :

A4EK6

Tgt Ion:149 Resp: 100225

Ion Ratio Lower Upper

149 100

91 74.5 66.9 100.3

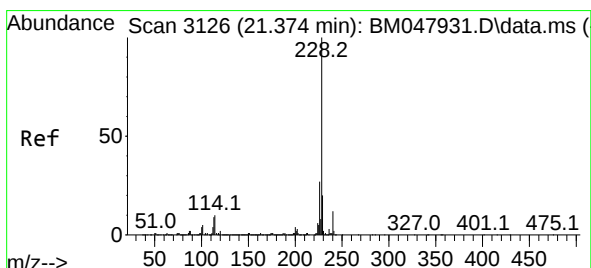
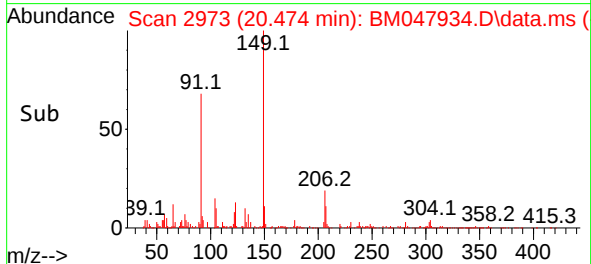
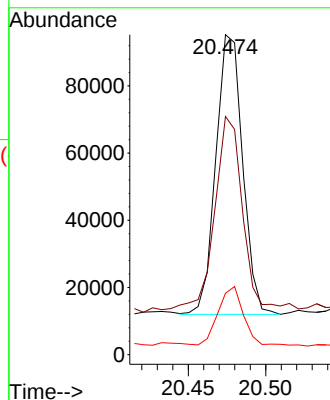
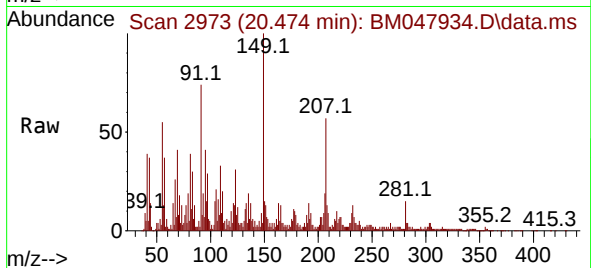
206 19.2 14.4 21.6

Manual Integrations

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Supervised By :mohammad ahmed 10/11/2024



#85

Benzo(a)anthracene

Concen: 23.364 ng/ul

RT: 21.374 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BM047934.D

Acq: 09 Oct 2024 05:36

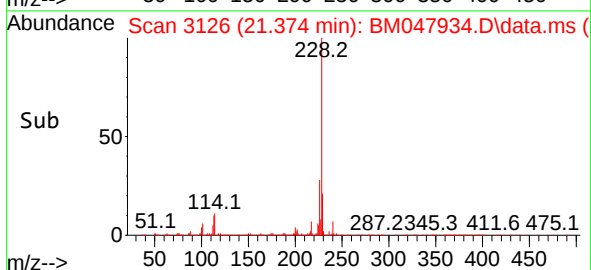
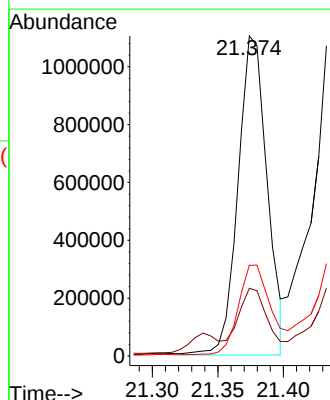
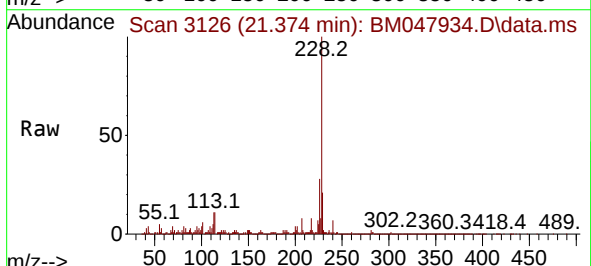
Tgt Ion:228 Resp: 1705628

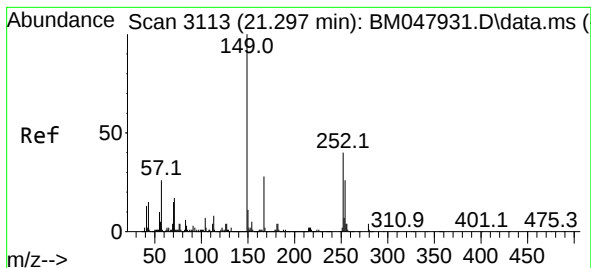
Ion Ratio Lower Upper

228 100

229 21.1 15.6 23.4

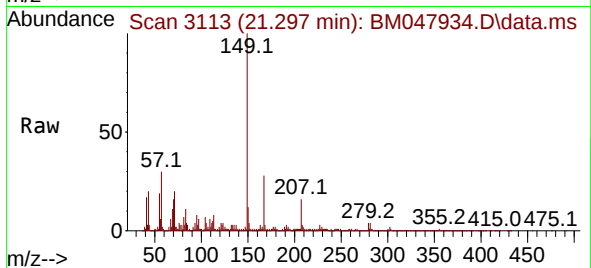
226 28.3 21.9 32.9





#86
Bis(2-ethylhexyl)phthalate
Concen: 17.274 ng/ul
RT: 21.297 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36

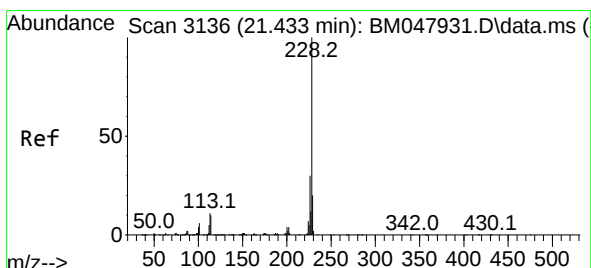
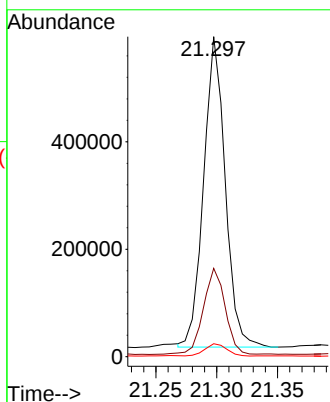
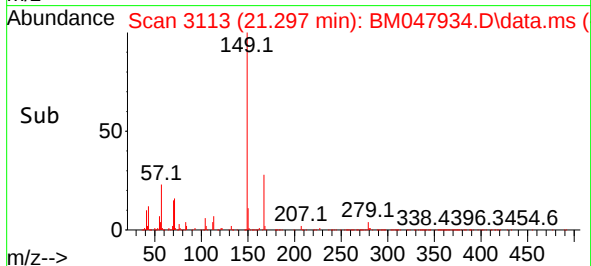
Instrument :
BNA_M
ClientSampleId :
A4EK6



Tgt Ion:149 Resp: 711210
Ion Ratio Lower Upper
149 100
167 27.6 21.3 31.9
279 4.1 2.7 4.1

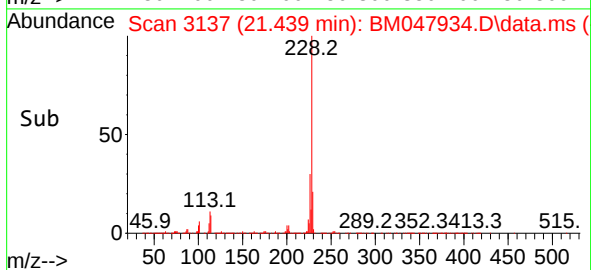
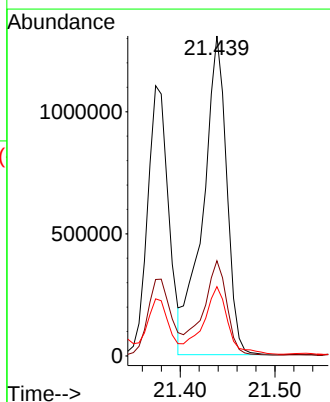
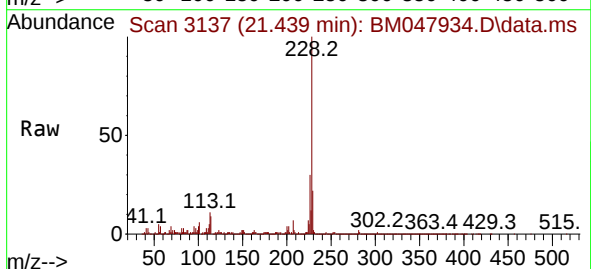
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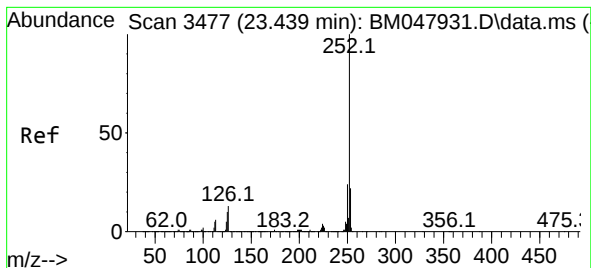
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#87
Chrysene
Concen: 31.826 ng/ul
RT: 21.439 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36

Tgt Ion:228 Resp: 2265091
Ion Ratio Lower Upper
228 100
226 29.7 23.6 35.4
229 21.7 15.3 22.9





#90

Benzo(b)fluoranthene

Concen: 42.635 ng/ul

RT: 23.456 min Scan# 3477

Delta R.T. 0.006 min

Lab File: BM047934.D

Acq: 09 Oct 2024 05:36

Instrument :

BNA_M

ClientSampleId :

A4EK6

Tgt Ion:252 Resp: 320880

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

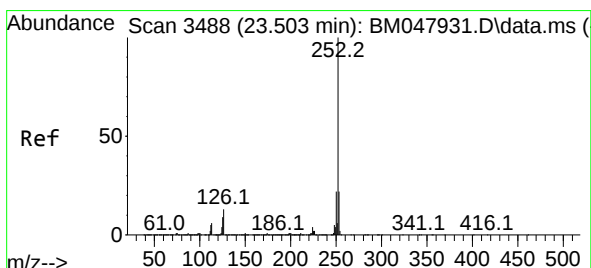
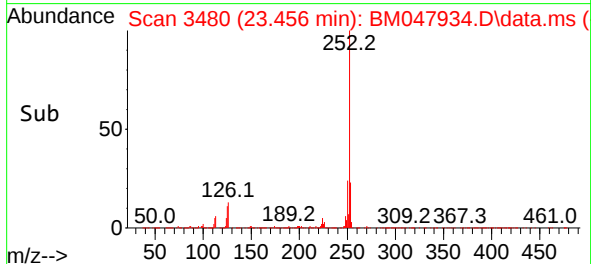
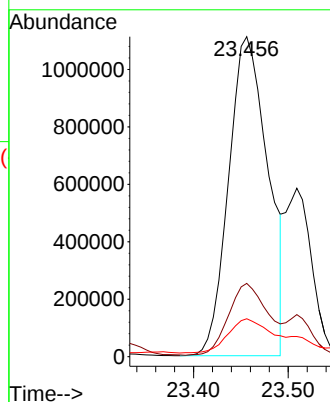
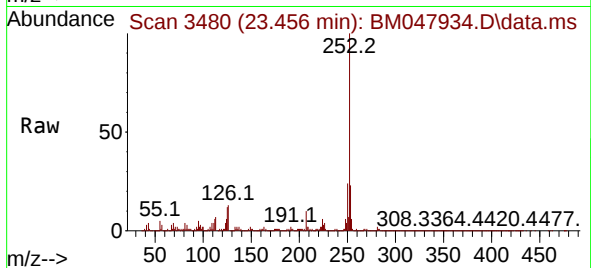
125 11.8 9.0 13.4

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Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/11/2024



#91

Benzo(k)fluoranthene

Concen: 14.517 ng/ul m

RT: 23.509 min Scan# 3489

Delta R.T. 0.000 min

Lab File: BM047934.D

Acq: 09 Oct 2024 05:36

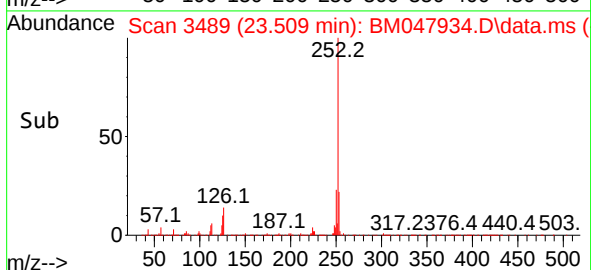
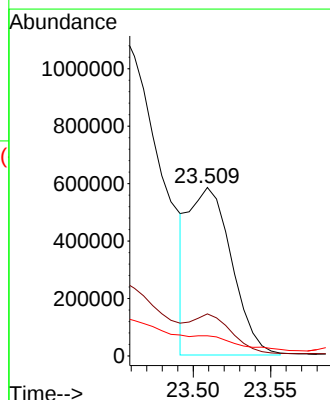
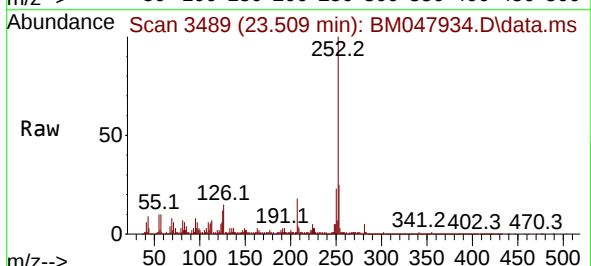
Tgt Ion:252 Resp: 1117175

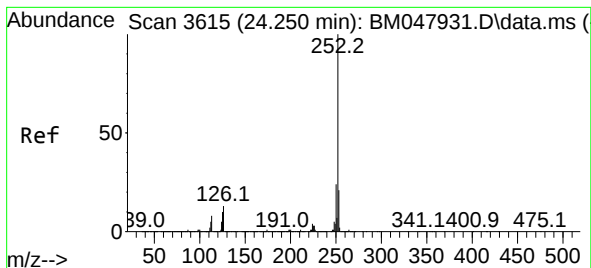
Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 12.0 8.9 13.3





#93

Benzo(a)pyrene

Concen: 15.224 ng/ul

RT: 24.256 min Scan# 30

Delta R.T. 0.000 min

Lab File: BM047934.D

Acq: 09 Oct 2024 05:36

Instrument :

BNA_M

ClientSampleId :

A4EK6

Tgt Ion:252 Resp: 108815

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

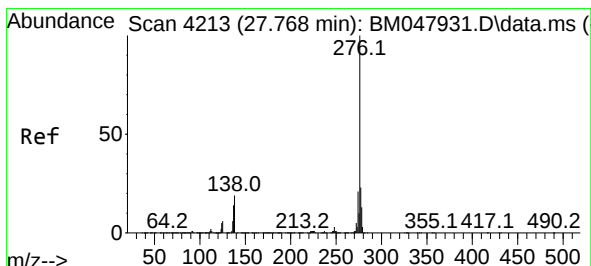
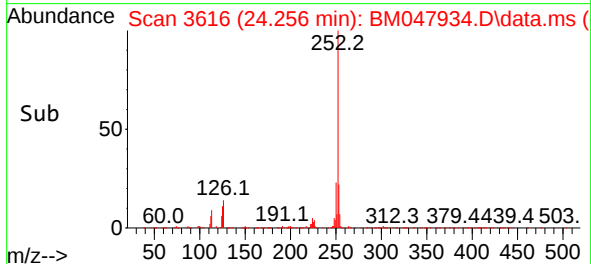
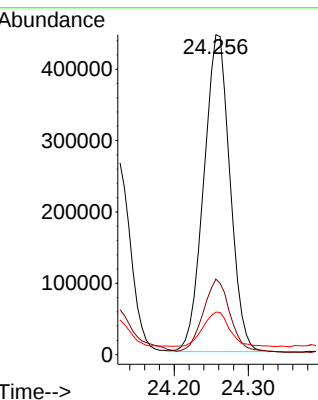
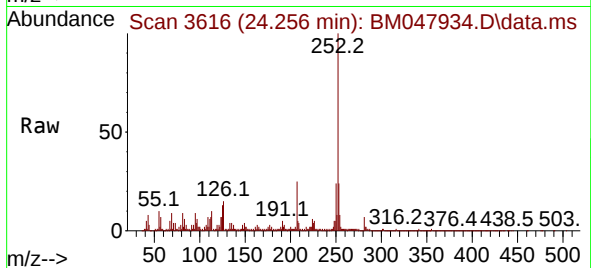
125 13.3 10.1 15.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/11/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 13.491 ng/ul

RT: 27.785 min Scan# 4216

Delta R.T. 0.006 min

Lab File: BM047934.D

Acq: 09 Oct 2024 05:36

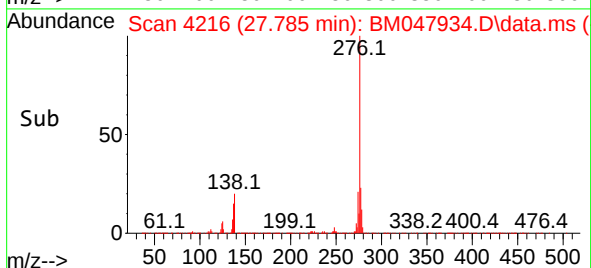
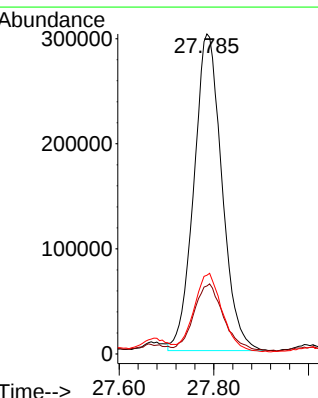
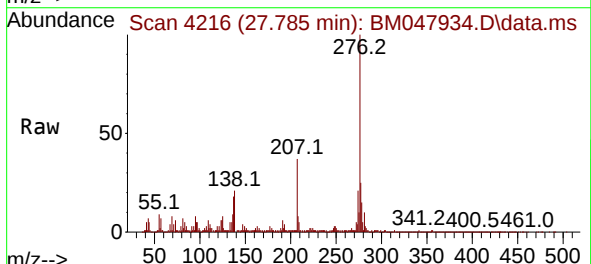
Tgt Ion:276 Resp: 1235817

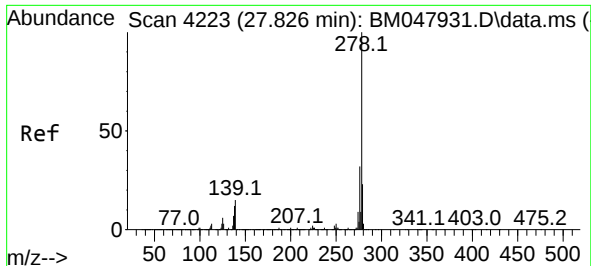
Ion Ratio Lower Upper

276 100

138 21.3 16.9 25.3

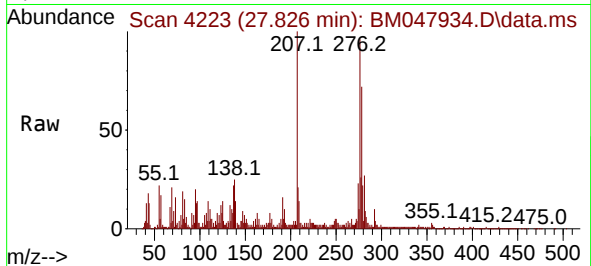
277 24.6 18.9 28.3





#95
Dibenzo(a,h)anthracene
Concen: 5.282 ng/ul
RT: 27.826 min Scan# 4223
Delta R.T. -0.012 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36

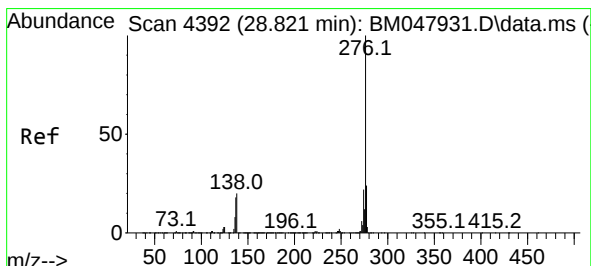
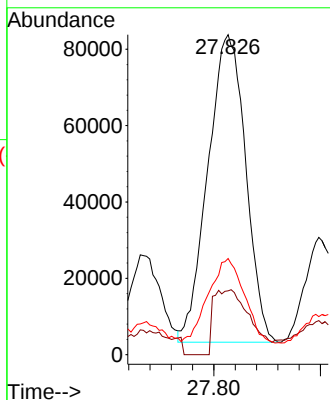
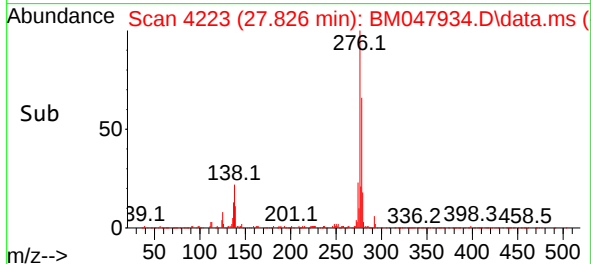
Instrument :
BNA_M
ClientSampleId :
A4EK6



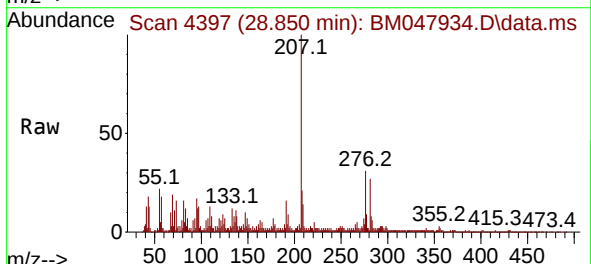
Tgt Ion:278 Resp: 396520
Ion Ratio Lower Upper
278 100
139 20.0 13.4 20.2
279 30.1 18.4 27.6

Manual Integrations
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Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#96
Benzo(g,h,i)perylene
Concen: 2.157 ng/ul
RT: 28.850 min Scan# 4397
Delta R.T. 0.018 min
Lab File: BM047934.D
Acq: 09 Oct 2024 05:36



Tgt Ion:276 Resp: 154820
Ion Ratio Lower Upper
276 100
138 26.9 18.7 28.1
277 29.0 18.3 27.5

