

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
 Data File : BM048086.D
 Acq On : 16 Oct 2024 13:55
 Operator : RC/JU
 Sample : P4329-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4ER1

Manual Integrations
 APPROVED

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

Quant Time: Oct 16 14:50:09 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	275392	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.569	136	1116698	20.000	ng/u1	#-0.01
38) Acenaphthene-d10	14.416	164	691472	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.157	188	1364805	20.000	ng/u1	0.00
79) Chrysene-d12	21.386	240	1072702	20.000	ng/u1	0.00
88) Perylene-d12	24.386	264	1237115	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	19042m	2.235	ng/uL	0.00
4) Pyridine-d5	3.663	84	45682	1.831	ng/u1	0.00
7) Phenol-d5	6.951	99	321217	12.335	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.110	67	203807	11.029	ng/u1	0.00
11) 2-Chlorophenol-d4	7.316	132	291037	15.361	ng/u1	0.00
15) 4-Methylphenol-d8	8.487	113	211235	10.910	ng/u1	0.00
21) Nitrobenzene-d5	8.934	128	138206	15.544	ng/u1	0.00
24) 2-Nitrophenol-d4	9.657	143	149365	17.530	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.198	165	258469	15.185	ng/u1	0.00
31) 4-Chloroaniline-d4	10.722	131	30360m	1.154	ng/u1	0.00
46) Dimethylphthalate-d6	13.822	166	770544	15.370	ng/u1	-0.01
49) Acenaphthylene-d8	14.110	160	902593	15.185	ng/u1	0.00
54) 4-Nitrophenol-d4	14.633	143	82282	8.244	ng/u1	0.01
60) Fluorene-d10	15.404	176	687241	15.827	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.533	200	55679	6.971	ng/u1	0.00
73) Anthracene-d10	17.257	188	1030571	15.357	ng/u1	0.00
81) Pyrene-d10	19.545	212	831944	13.665	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.180	264	481695	7.505	ng/u1	0.01
Target Compounds						
					Qvalue	
8) Phenol	6.981	94	39417	1.423	ng/u1	95
16) Acetophenone	8.598	105	101148	3.053	ng/u1#	87
30) Naphthalene	10.616	128	126861	1.975	ng/u1	99
36) 2-Methylnaphthalene	12.233	142	55335	1.356	ng/u1	91
37) 1-Methylnaphthalene	12.451	142	47317	1.140	ng/u1	99
50) Acenaphthylene	14.133	152	148544	2.216	ng/u1	99
52) Acenaphthene	14.480	153	209624	4.424	ng/u1	99
56) Dibenzofuran	14.816	168	98140	1.539	ng/u1	94
61) Fluorene	15.463	166	229341	4.310	ng/u1	99
72) Phenanthrene	17.198	178	3270143	40.858	ng/u1	99
74) Anthracene	17.292	178	676462	8.287	ng/u1	99
77) Carbazole	17.557	167	160364	2.167	ng/u1	99
80) Fluoranthene	19.215	202	4340122	60.529	ng/u1	98
82) Pyrene	19.574	202	3087038	38.682	ng/u1	97
85) Benzo(a)anthracene	21.368	228	1835177	24.434	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.286	149	332423	7.848	ng/u1#	98
87) Chrysene	21.433	228	2131315	29.108	ng/u1	98
90) Benzo(b)fluoranthene	23.439	252	2642792	34.255	ng/u1	99
91) Benzo(k)fluoranthene	23.497	252	907996m	11.510	ng/u1	
93) Benzo(a)pyrene	24.239	252	700754	9.564	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.768	276	748885	7.976	ng/u1	95
95) Dibenzo(a,h)anthracene	27.809	278	331751	4.311	ng/u1#	90
96) Benzo(g,h,i)perylene	28.821	276	87144	1.185	ng/u1#	85

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
Data File : BM048086.D
Acq On : 16 Oct 2024 13:55
Operator : RC/JU
Sample : P4329-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4ER1

Manual Integrations
APPROVED

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

Quant Time: Oct 16 14:50:09 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)
----------	------	------	----------	------	-------	----------

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

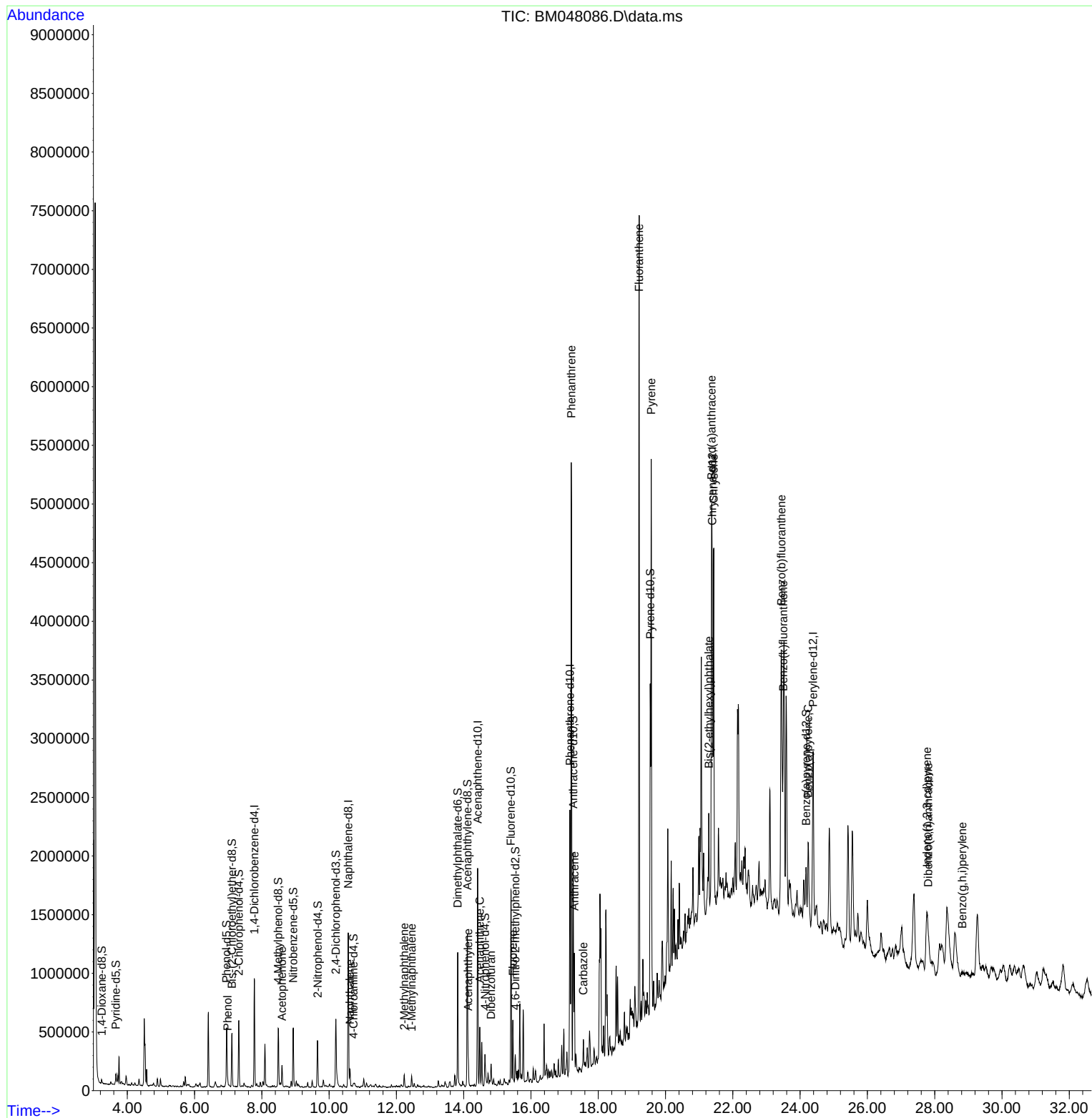
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
 Data File : BM048086.D
 Acq On : 16 Oct 2024 13:55
 Operator : RC/JU
 Sample : P4329-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

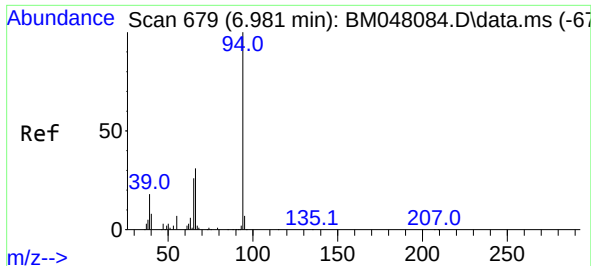
Instrument :
 BNA_M
 ClientSampleId :
 A4ER1

Manual Integrations APPROVED

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

Quant Time: Oct 16 14:50:09 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





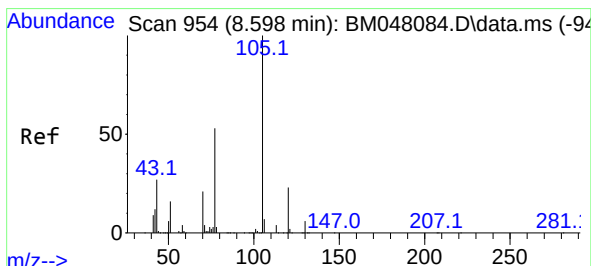
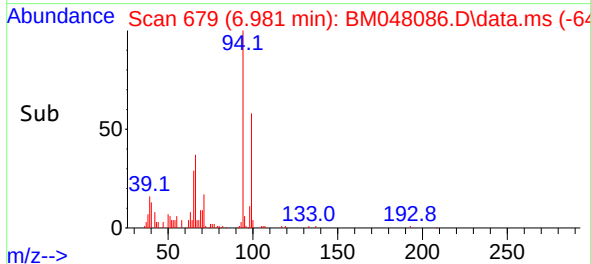
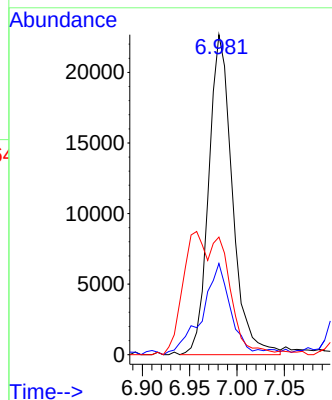
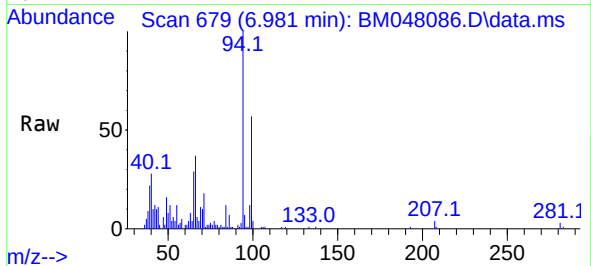
#8
Phenol
Concen: 1.423 ng/ul
RT: 6.981 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

Instrument :
BNA_M
ClientSampleId :
A4ER1

Tgt Ion: 94 Resp: 3941
Ion Ratio Lower Upper
94 100
65 28.5 26.3 39.5
66 36.8 30.5 45.7

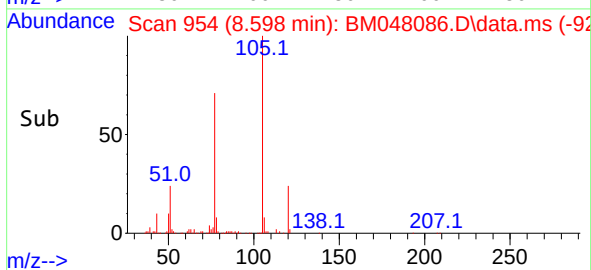
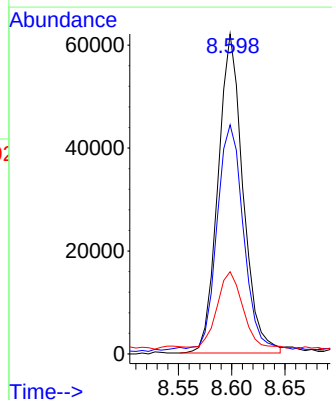
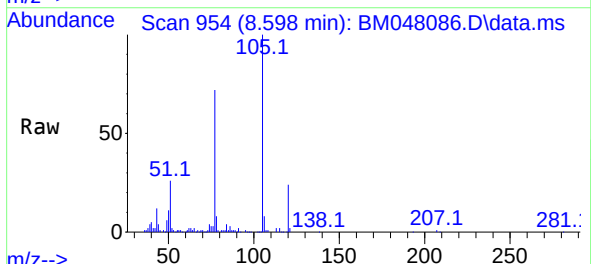
Manual Integrations
APPROVED

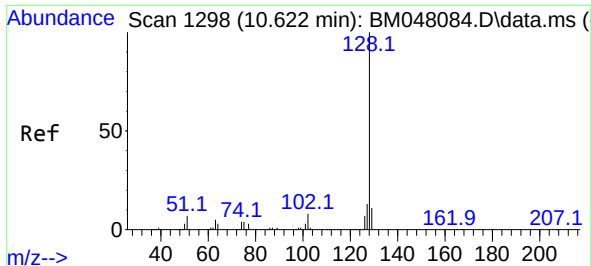
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#16
Acetophenone
Concen: 3.053 ng/ul
RT: 8.598 min Scan# 954
Delta R.T. -0.012 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

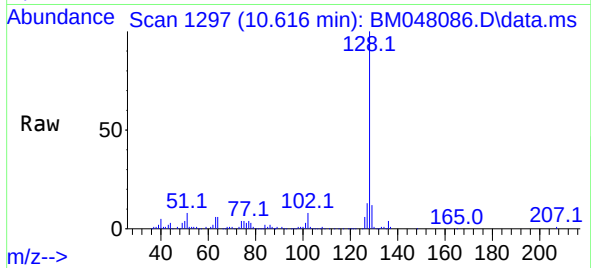
Tgt Ion:105 Resp: 101148
Ion Ratio Lower Upper
105 100
77 71.6 66.6 100.0
51 25.7 27.0 40.4#





#30
Naphthalene
Concen: 1.975 ng/ul
RT: 10.616 min Scan# 1297
Delta R.T. -0.012 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

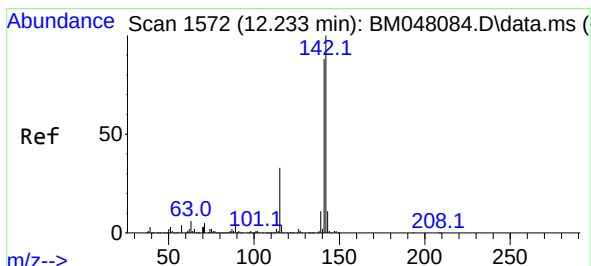
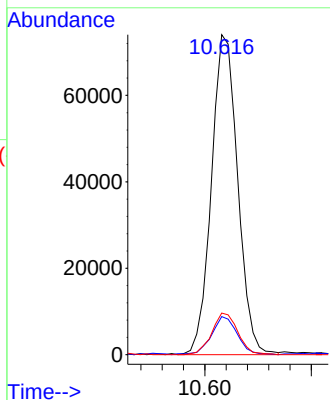
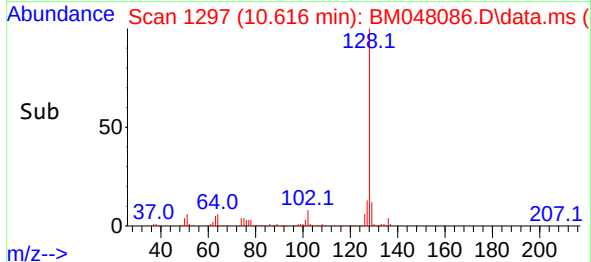
Instrument :
BNA_M
ClientSampleId :
A4ER1



Tgt Ion:128 Resp: 12686
Ion Ratio Lower Upper
128 100
129 11.9 8.6 12.8
127 13.0 10.4 15.6

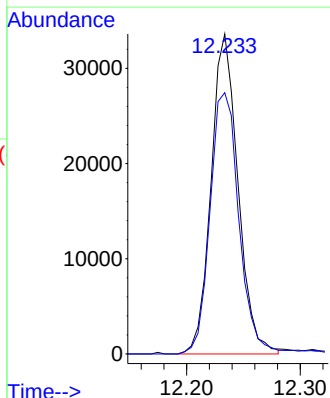
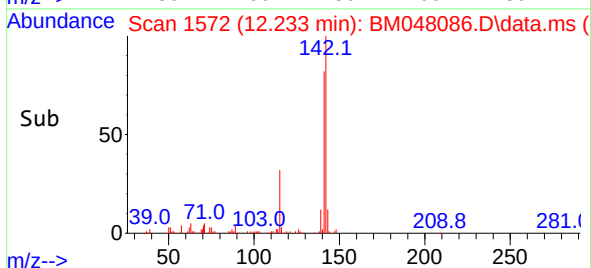
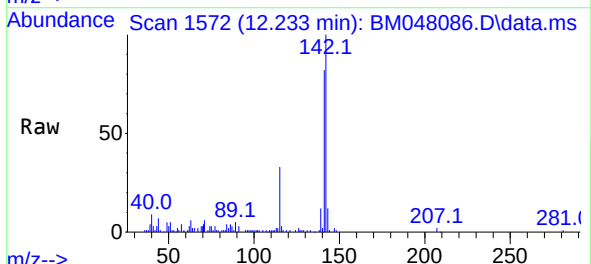
Manual Integrations
APPROVED

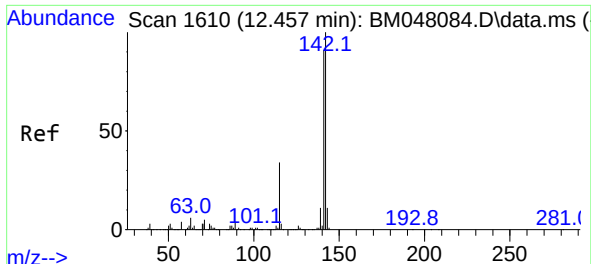
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#36
2-Methylnaphthalene
Concen: 1.356 ng/ul
RT: 12.233 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

Tgt Ion:142 Resp: 55335
Ion Ratio Lower Upper
142 100
141 81.6 72.5 108.7





#37

1-Methylnaphthalene

Concen: 1.140 ng/ul

RT: 12.451 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM048086.D

Acq: 16 Oct 2024 13:55

Instrument :

BNA_M

ClientSampleId :

A4ER1

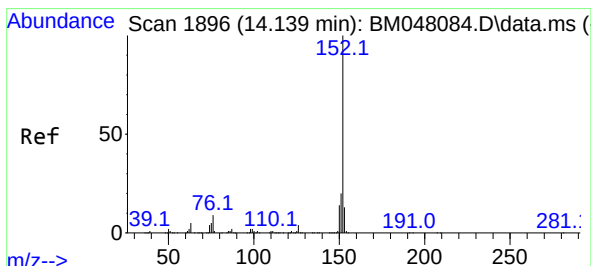
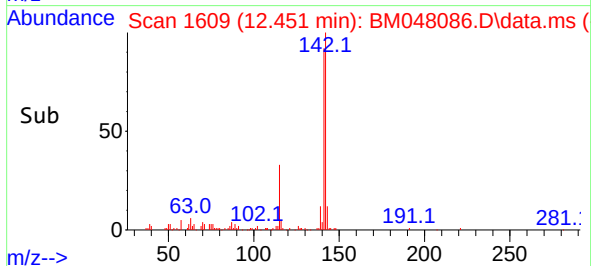
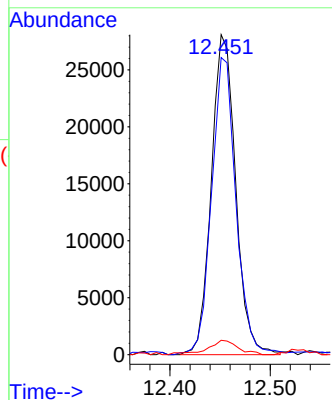
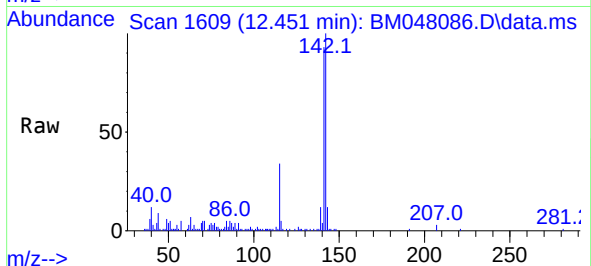
Tgt Ion:	142	Resp:	4731
Ion Ratio	Lower	Upper	
142	100		
141	92.9	73.4	110.2
116	4.5	3.0	4.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#50

Acenaphthylene

Concen: 2.216 ng/ul

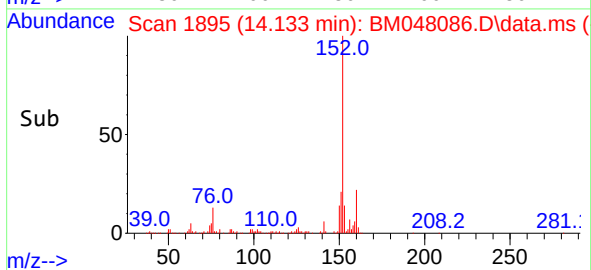
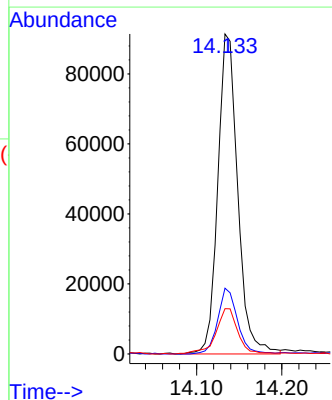
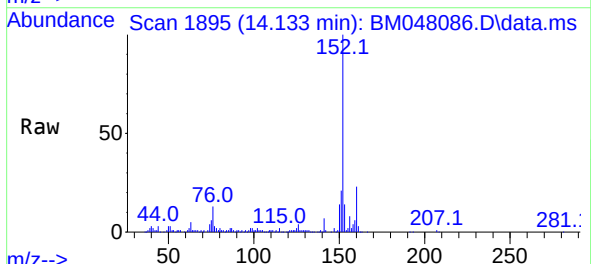
RT: 14.133 min Scan# 1895

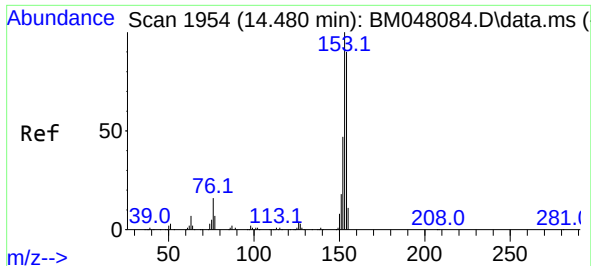
Delta R.T. -0.012 min

Lab File: BM048086.D

Acq: 16 Oct 2024 13:55

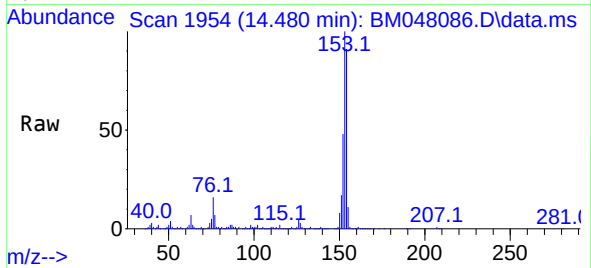
Tgt Ion:	152	Resp:	148544
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.2	24.2
153	14.2	10.7	16.1





#52
Acenaphthene
Concen: 4.424 ng/u1
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

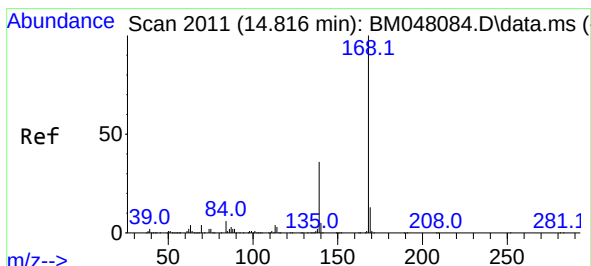
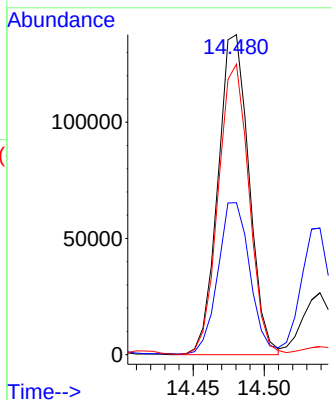
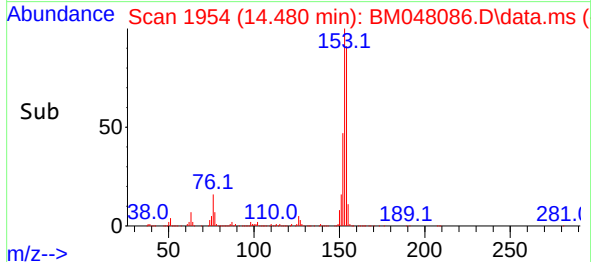
Instrument :
BNA_M
ClientSampleId :
A4ER1



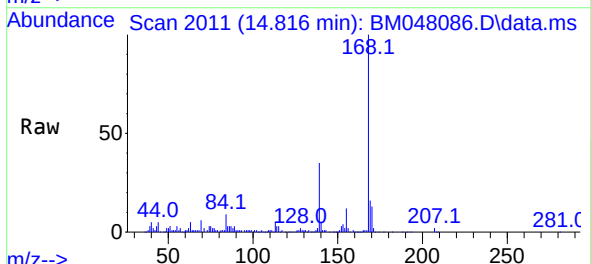
Tgt Ion:153 Resp: 209624
Ion Ratio Lower Upper
153 100
152 47.5 39.7 59.5
154 90.8 72.6 108.8

Manual Integrations
APPROVED

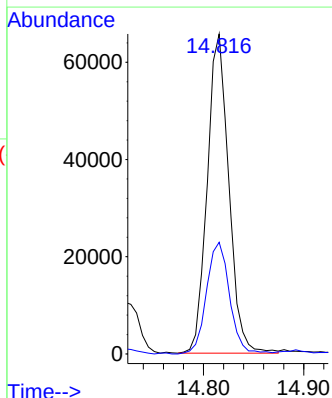
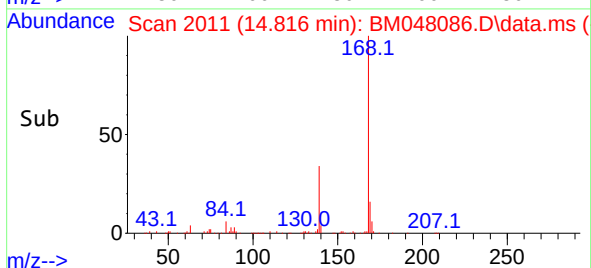
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

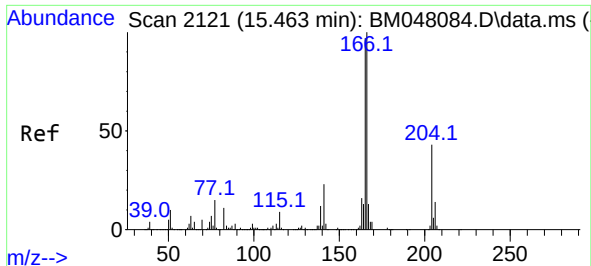


#56
Dibenzofuran
Concen: 1.539 ng/u1
RT: 14.816 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55



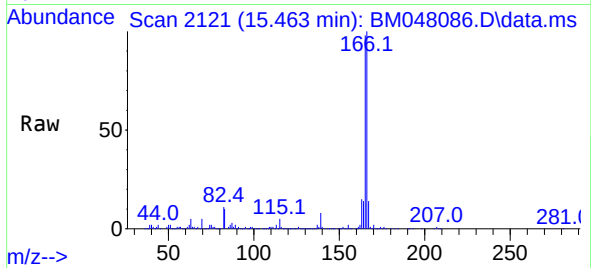
Tgt Ion:168 Resp: 98140
Ion Ratio Lower Upper
168 100
139 34.9 31.0 46.6





#61
Fluorene
Concen: 4.310 ng/u1
RT: 15.463 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

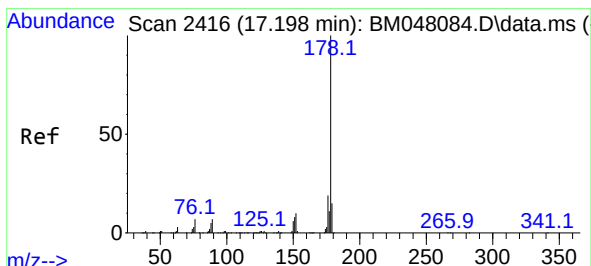
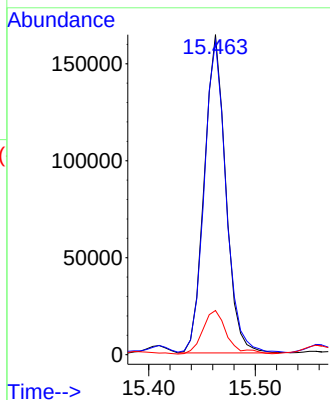
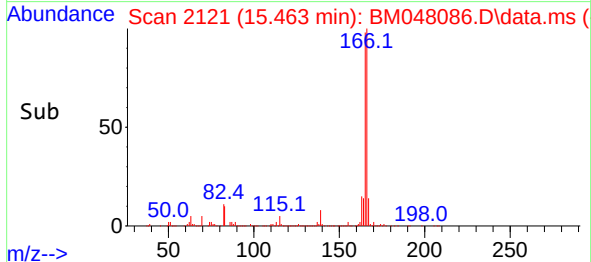
Instrument :
BNA_M
ClientSampleId :
A4ER1



Tgt Ion:166 Resp: 22934
Ion Ratio Lower Upper
166 100
165 97.9 77.8 116.6
167 13.8 10.8 16.2

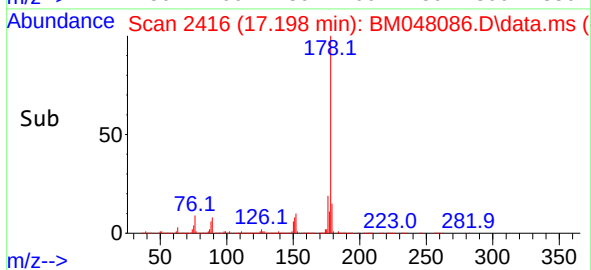
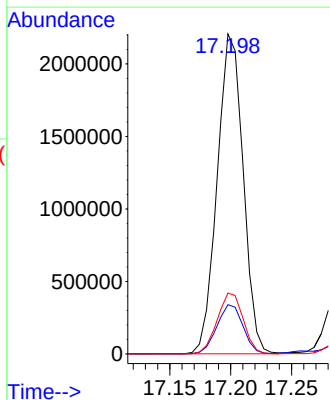
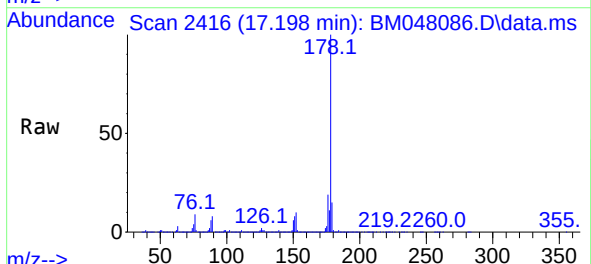
Manual Integrations
APPROVED

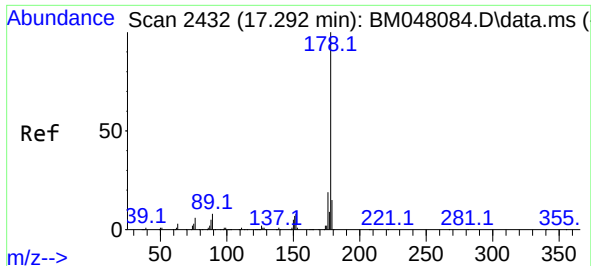
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#72
Phenanthrene
Concen: 40.858 ng/u1
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

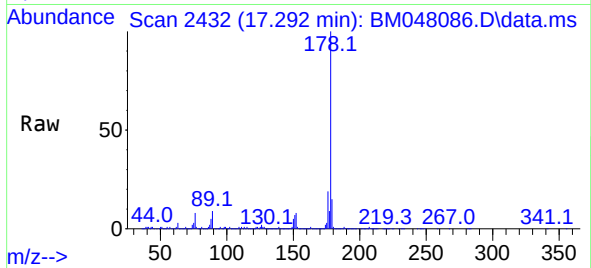
Tgt Ion:178 Resp: 3270143
Ion Ratio Lower Upper
178 100
179 15.4 12.0 18.0
176 19.1 15.4 23.0





#74
 Anthracene
 Concen: 8.287 ng/ul
 RT: 17.292 min Scan# 2432
 Delta R.T. 0.000 min
 Lab File: BM048086.D
 Acq: 16 Oct 2024 13:55

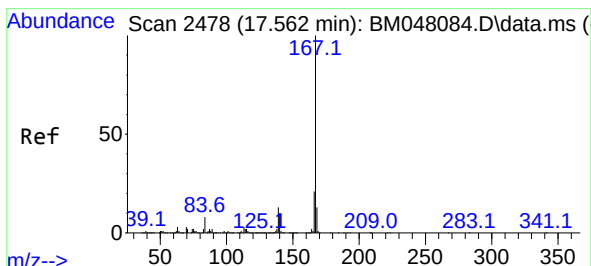
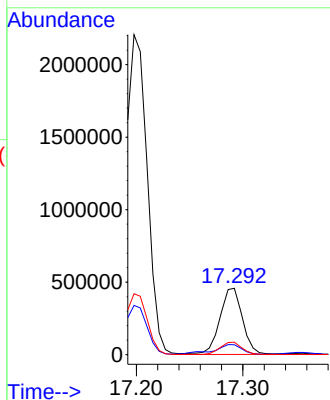
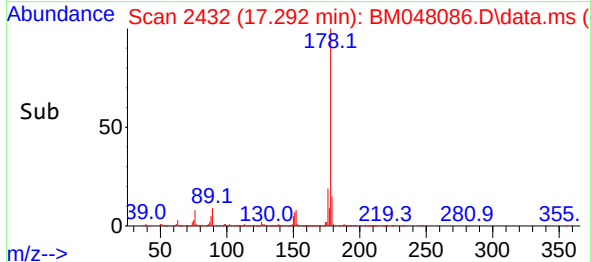
Instrument :
 BNA_M
 ClientSampleId :
 A4ER1



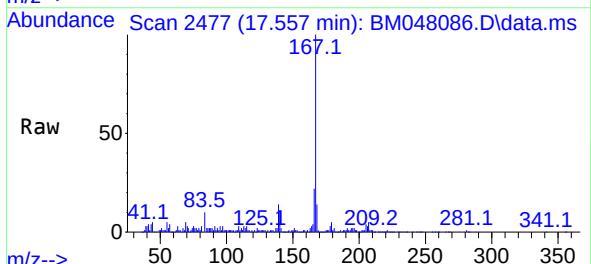
Tgt Ion:178 Resp: 676462
 Ion Ratio Lower Upper
 178 100
 179 14.9 12.4 18.6
 176 18.7 14.7 22.1

Manual Integrations
 APPROVED

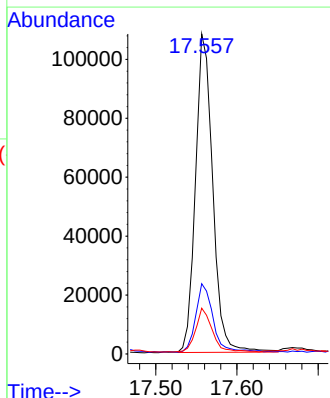
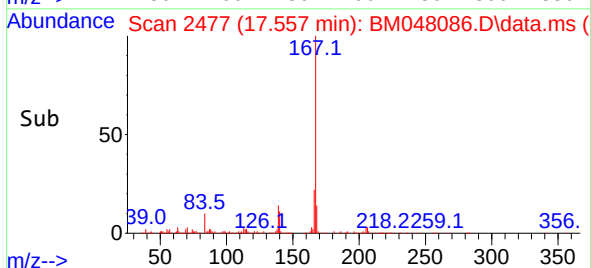
Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024

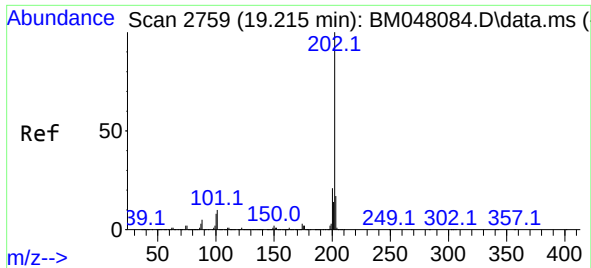


#77
 Carbazole
 Concen: 2.167 ng/ul
 RT: 17.557 min Scan# 2477
 Delta R.T. -0.006 min
 Lab File: BM048086.D
 Acq: 16 Oct 2024 13:55



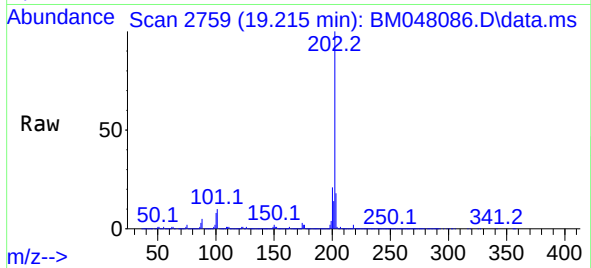
Tgt Ion:167 Resp: 160364
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 14.3 10.9 16.3





#80
Fluoranthene
Concen: 60.529 ng/u1
RT: 19.215 min Scan# 2759
Delta R.T. 0.000 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

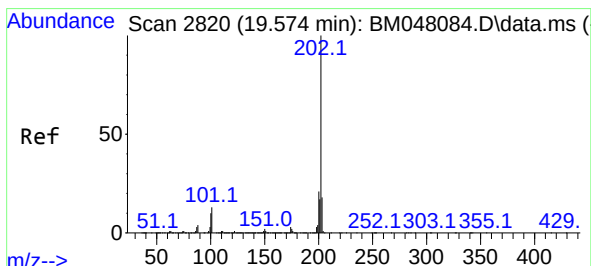
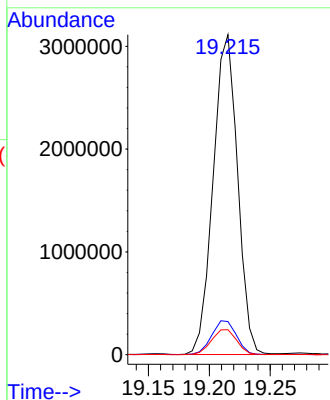
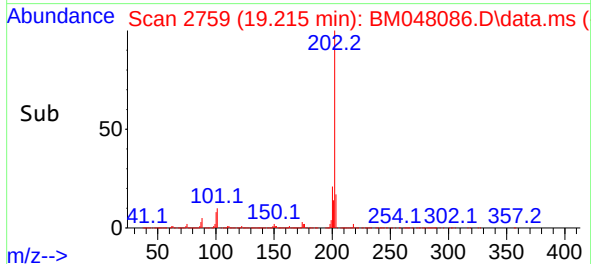
Instrument :
BNA_M
ClientSampleId :
A4ER1



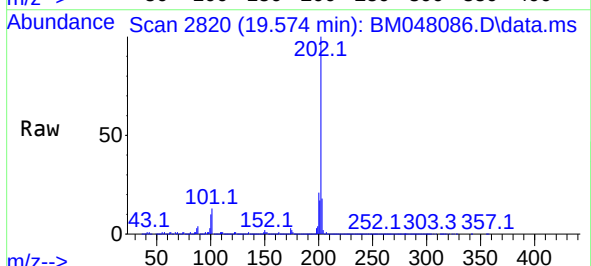
Tgt Ion:202 Resp: 434012
Ion Ratio Lower Upper
202 100
101 10.4 9.0 13.4
100 7.8 6.8 10.2

Manual Integrations
APPROVED

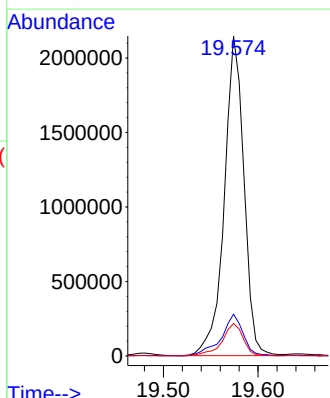
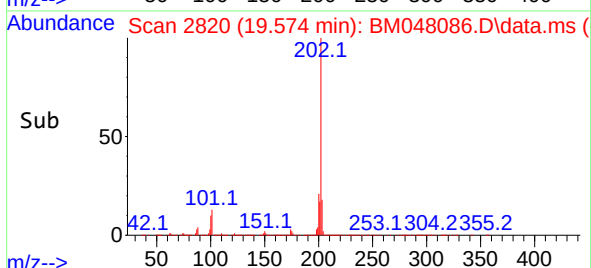
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

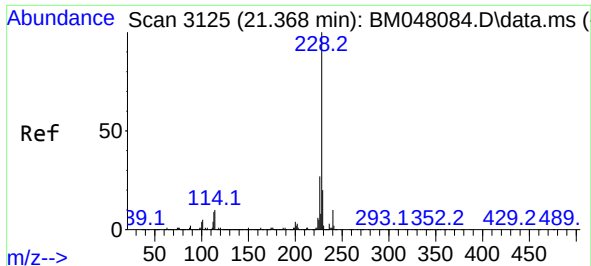


#82
Pyrene
Concen: 38.682 ng/u1
RT: 19.574 min Scan# 2820
Delta R.T. 0.000 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55



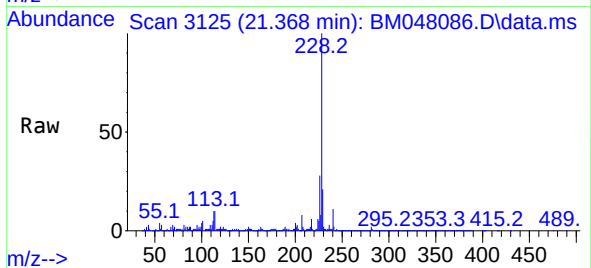
Tgt Ion:202 Resp: 3087038
Ion Ratio Lower Upper
202 100
101 13.0 10.9 16.3
100 10.1 9.4 14.2





#85
Benzo(a)anthracene
Concen: 24.434 ng/ul
RT: 21.368 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

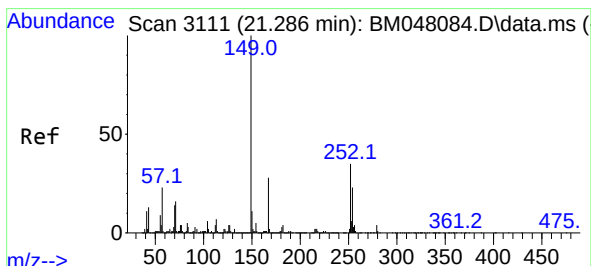
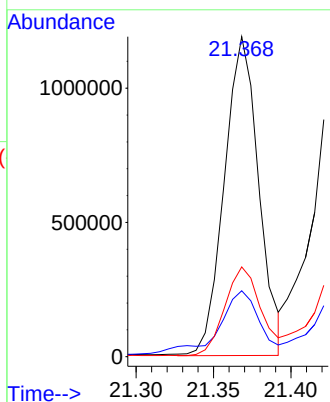
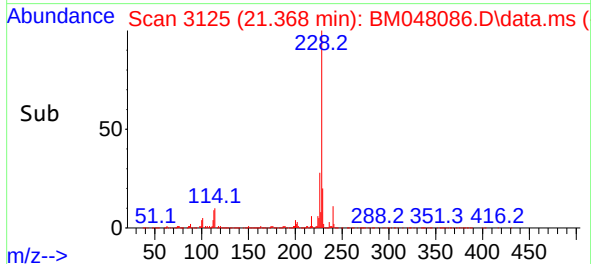
Instrument :
BNA_M
ClientSampleId :
A4ER1



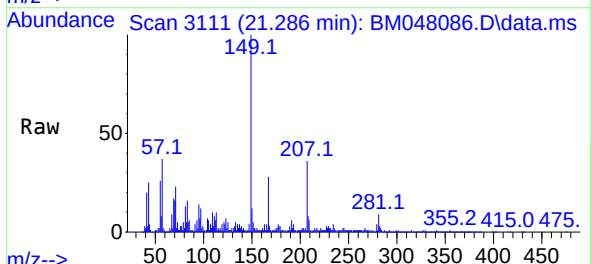
Tgt Ion:228 Resp: 183517
Ion Ratio Lower Upper
228 100
229 20.6 15.6 23.4
226 28.1 21.9 32.9

Manual Integrations
APPROVED

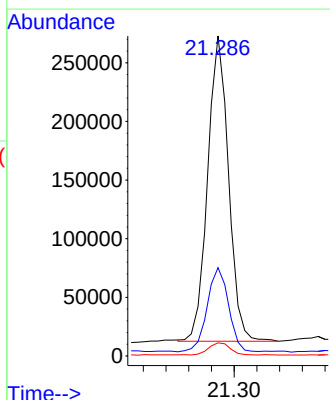
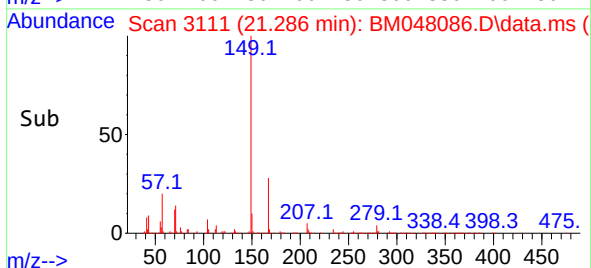
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

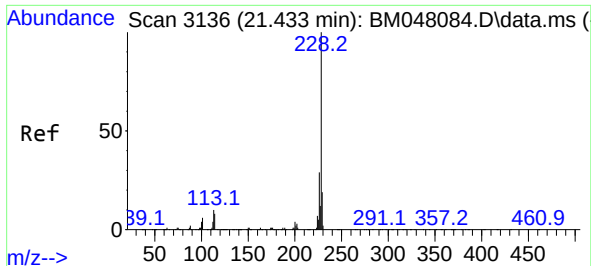


#86
Bis(2-ethylhexyl)phthalate
Concen: 7.848 ng/ul
RT: 21.286 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55



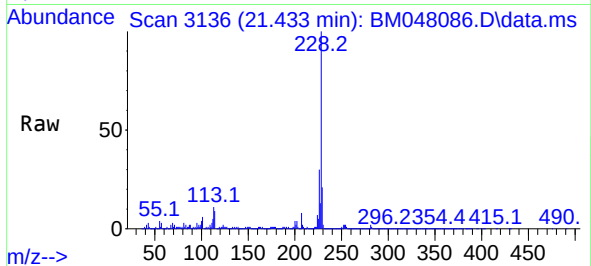
Tgt Ion:149 Resp: 332423
Ion Ratio Lower Upper
149 100
167 27.6 21.3 31.9
279 4.1 2.7 4.1#





#87
Chrysene
Concen: 29.108 ng/u1
RT: 21.433 min Scan# 3136
Delta R.T. 0.006 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

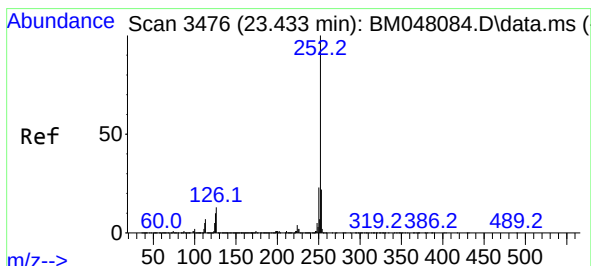
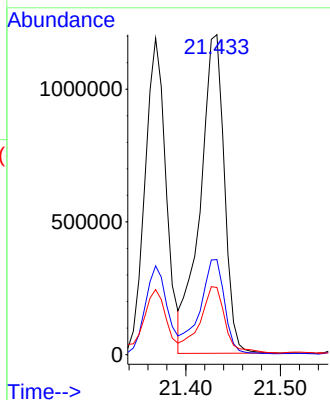
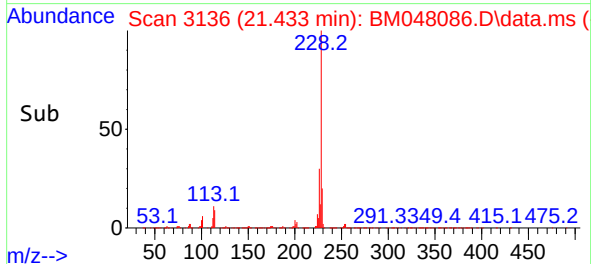
Instrument :
BNA_M
ClientSampleId :
A4ER1



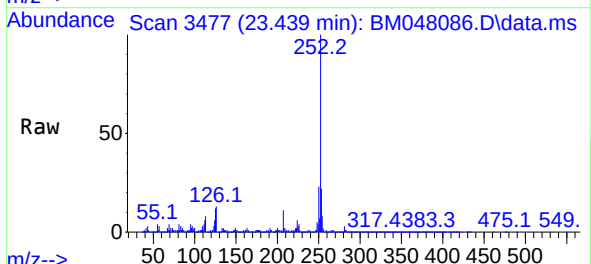
Tgt Ion:228 Resp: 213131
Ion Ratio Lower Upper
228 100
226 29.7 23.6 35.4
229 21.0 15.3 22.9

Manual Integrations
APPROVED

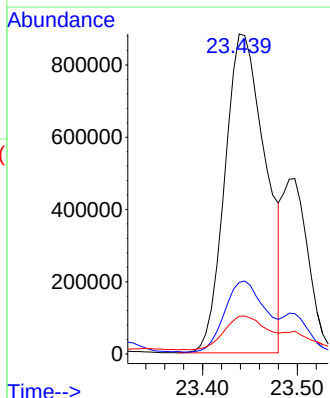
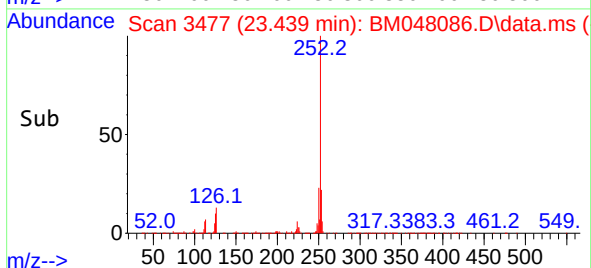
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

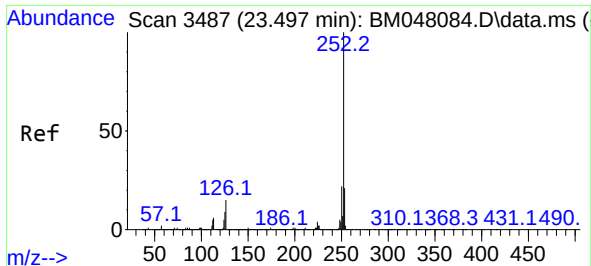


#90
Benzo(b)fluoranthene
Concen: 34.255 ng/u1
RT: 23.439 min Scan# 3477
Delta R.T. 0.012 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55



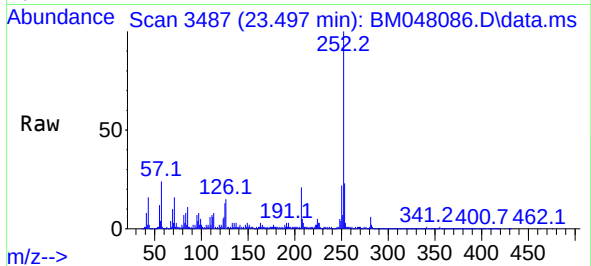
Tgt Ion:252 Resp: 2642792
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 11.8 9.0 13.4





#91
Benzo(k)fluoranthene
Concen: 11.510 ng/ul m
RT: 23.497 min Scan# 3487
Delta R.T. 0.012 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

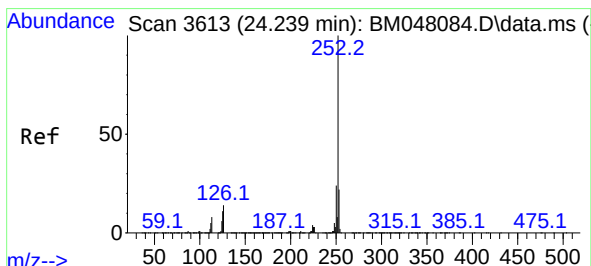
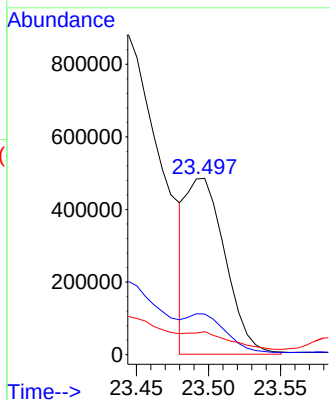
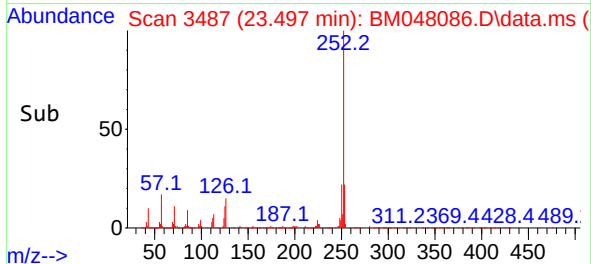
Instrument :
BNA_M
ClientSampleId :
A4ER1



Tgt Ion:252 Resp: 907990
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 13.0 8.9 13.3

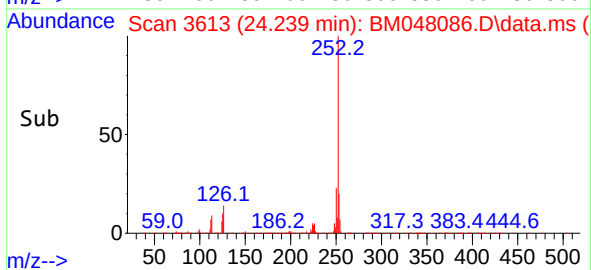
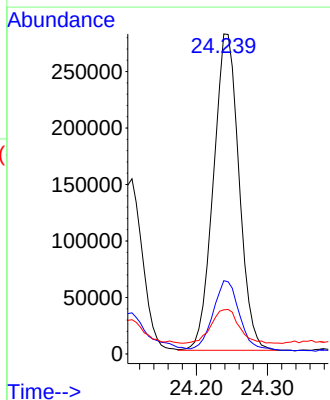
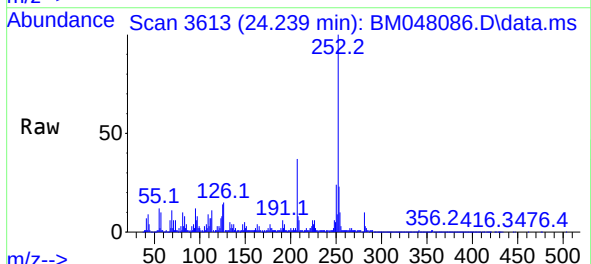
Manual Integrations
APPROVED

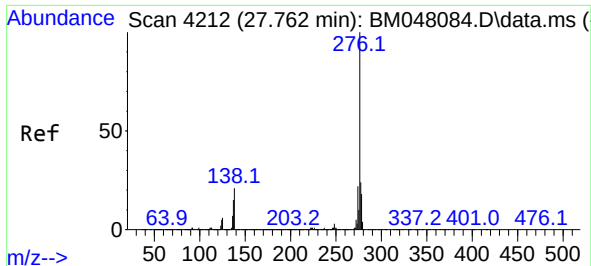
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#93
Benzo(a)pyrene
Concen: 9.564 ng/ul
RT: 24.239 min Scan# 3613
Delta R.T. 0.006 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

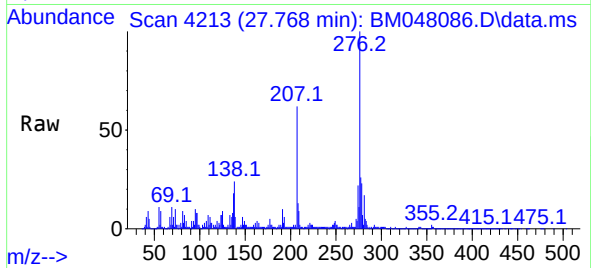
Tgt Ion:252 Resp: 700754
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 13.8 10.1 15.1





#94
Indeno(1,2,3-cd)pyrene
Concen: 7.976 ng/ul
RT: 27.768 min Scan# 41
Delta R.T. 0.024 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

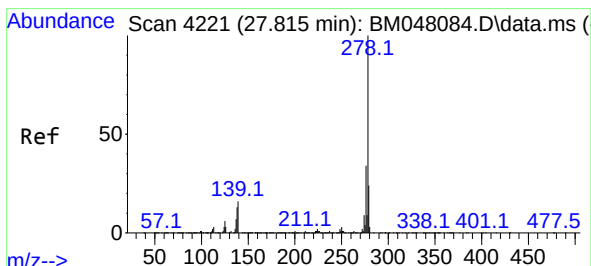
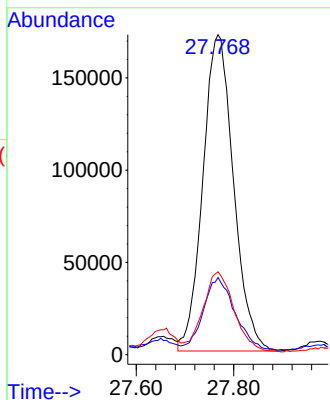
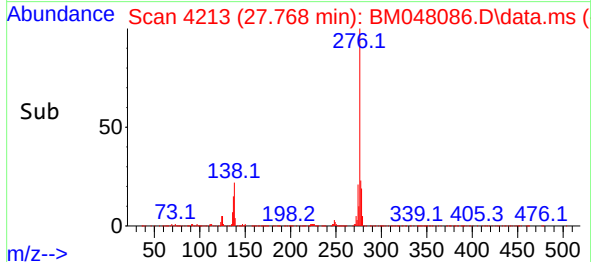
Instrument :
BNA_M
ClientSampleId :
A4ER1



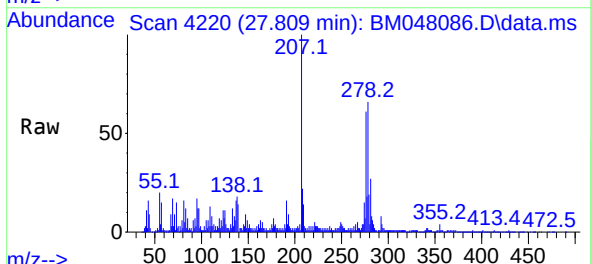
Tgt Ion:276 Resp: 74888
Ion Ratio Lower Upper
276 100
138 24.1 16.9 25.3
277 25.9 18.9 28.3

Manual Integrations
APPROVED

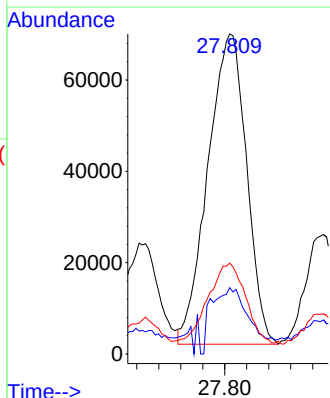
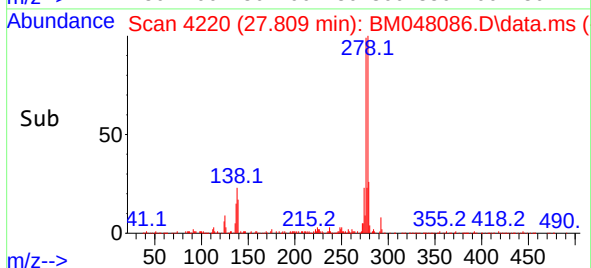
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

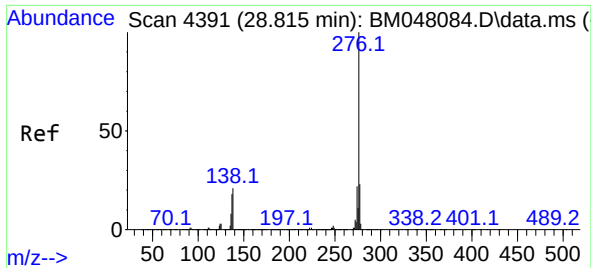


#95
Dibenzo(a,h)anthracene
Concen: 4.311 ng/ul
RT: 27.809 min Scan# 4220
Delta R.T. 0.012 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55



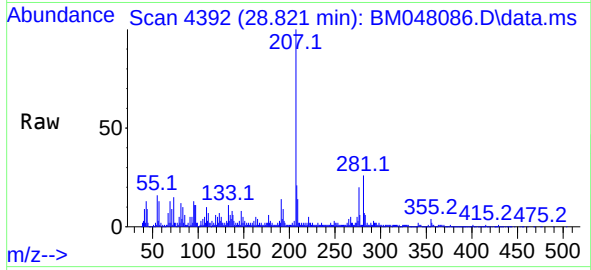
Tgt Ion:278 Resp: 331751
Ion Ratio Lower Upper
278 100
139 20.7 13.4 20.2#
279 28.4 18.4 27.6#





#96
Benzo(g,h,i)perylene
Concen: 1.185 ng/ul
RT: 28.821 min Scan# 41
Delta R.T. 0.030 min
Lab File: BM048086.D
Acq: 16 Oct 2024 13:55

Instrument :
BNA_M
ClientSampleId :
A4ER1



Tgt Ion:276 Resp: 87144
Ion Ratio Lower Upper
276 100
138 31.9 18.7 28.1
277 29.4 18.3 27.5

Manual Integrations
APPROVED

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

