

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
 Data File : BM048082.D
 Acq On : 16 Oct 2024 10:14
 Operator : RC/JU
 Sample : P4350-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EOAK6

Manual Integrations
 APPROVED

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

Quant Time: Oct 16 23:28:55 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	7.781	152	312818	20.000	ng/u1	0.00
20) Naphthalene-d8	10.569	136	1286534	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.416	164	801894	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.163	188	1605801	20.000	ng/u1	0.00
79) Chrysene-d12	21.398	240	1108507	20.000	ng/u1	0.01
88) Perylene-d12	24.386	264	1462931	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	17420	1.800	ng/uL	0.00
4) Pyridine-d5	3.663	84	36859	1.300	ng/u1	0.00
7) Phenol-d5	6.951	99	304415	10.291	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.110	67	177262	8.445	ng/u1	0.00
11) 2-Chlorophenol-d4	7.316	132	262724	12.208	ng/u1	0.00
15) 4-Methylphenol-d8	8.492	113	249806	11.359	ng/u1	0.00
21) Nitrobenzene-d5	8.934	128	121046	11.817	ng/u1	0.00
24) 2-Nitrophenol-d4	9.657	143	135889	13.843	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.198	165	243093	12.397	ng/u1	0.00
31) 4-Chloroaniline-d4	10.710	131	210891	6.956	ng/u1	0.00
46) Dimethylphthalate-d6	13.822	166	751383	12.924	ng/u1	-0.01
49) Acenaphthylene-d8	14.110	160	843347	12.235	ng/u1	0.00
54) 4-Nitrophenol-d4	14.639	143	56703m	4.899	ng/u1	0.02
60) Fluorene-d10	15.410	176	668245	13.270	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.545	200	17587	1.872	ng/u1	0.01
73) Anthracene-d10	17.262	188	965182	12.224	ng/u1	0.00
81) Pyrene-d10	19.551	212	738004	11.731	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.180	264	522661	6.886	ng/u1	0.01
Target Compounds						
					Qvalue	
8) Phenol	6.981	94	115816	3.680	ng/u1#	92
16) Acetophenone	8.598	105	339243	9.015	ng/u1#	88
18) 4-Methylphenol	8.551	108	33450	1.356	ng/u1	99
30) Naphthalene	10.622	128	3545899	47.916	ng/u1	99
36) 2-Methylnaphthalene	12.233	142	756401	16.087	ng/u1	97
37) 1-Methylnaphthalene	12.451	142	385909	8.067	ng/u1	99
43) 1,1'-Biphenyl	13.251	154	212540	3.310	ng/u1#	96
52) Acenaphthene	14.480	153	3525892	64.163	ng/u1	99
56) Dibenzofuran	14.816	168	2321410	31.383	ng/u1	96
61) Fluorene	15.468	166	3507712	56.839	ng/u1	99
72) Phenanthrene	17.210	178	17402886	184.804	ng/u1	96
74) Anthracene	17.298	178	6228993	64.853	ng/u1	99
77) Carbazole	17.562	167	2934765	33.710	ng/u1	99
80) Fluoranthene	19.221	202	17632371m	237.966	ng/u1	
82) Pyrene	19.586	202	11804207	143.135	ng/u1#	94
85) Benzo(a)anthracene	21.380	228	8868468	114.263	ng/u1	98
87) Chrysene	21.445	228	8045119	106.326	ng/u1	95
90) Benzo(b)fluoranthene	23.456	252	10073011	110.411	ng/u1	97
91) Benzo(k)fluoranthene	23.509	252	4032435m	43.226	ng/u1	
93) Benzo(a)pyrene	24.250	252	3144917	36.297	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	27.779	276	2823805	25.431	ng/u1	97
95) Dibenzo(a,h)anthracene	27.809	278	1306937	14.362	ng/u1	95
96) Benzo(g,h,i)perylene	28.821	276	323443	3.718	ng/u1#	92

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
Data File : BM048082.D
Acq On : 16 Oct 2024 10:14
Operator : RC/JU
Sample : P4350-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EOAK6

Manual Integrations
APPROVED

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

Quant Time: Oct 16 23:28:55 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

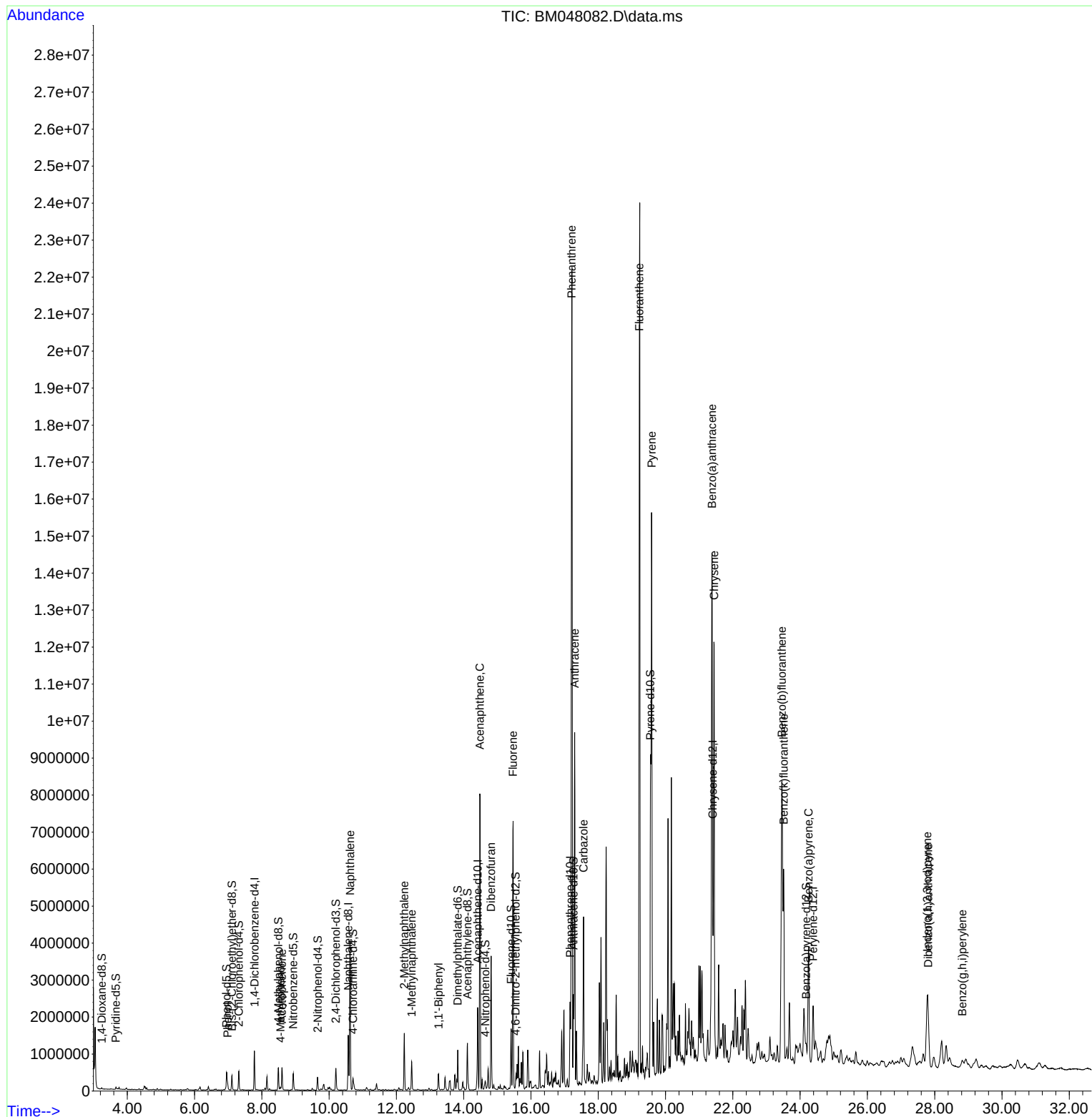
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
 Data File : BM048082.D
 Acq On : 16 Oct 2024 10:14
 Operator : RC/JU
 Sample : P4350-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

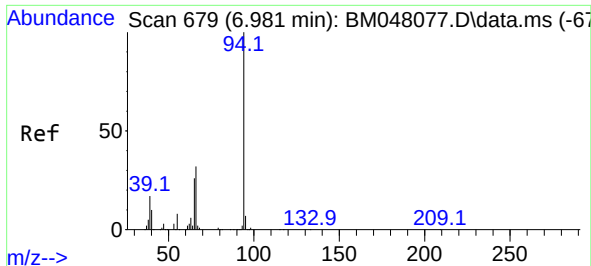
Instrument :
 BNA_M
 ClientSampleId :
 EOAK6

Manual Integrations APPROVED

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

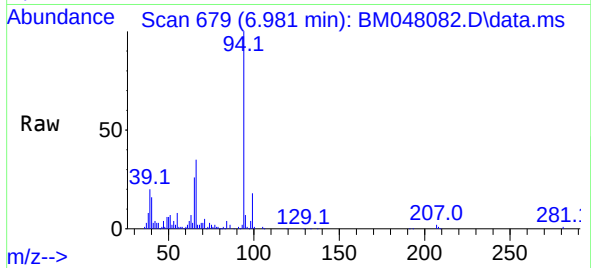
Quant Time: Oct 16 23:28:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 10 05:10:14 2024
 Response via : Initial Calibration





#8
Phenol
Concen: 3.680 ng/u1
RT: 6.981 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

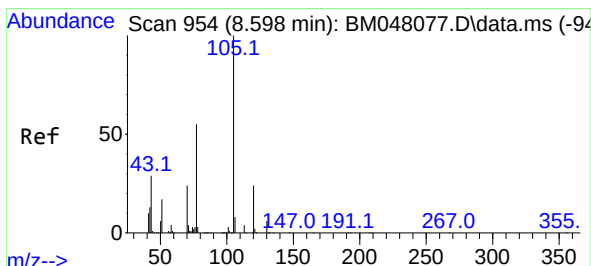
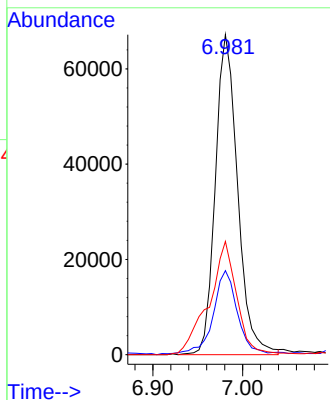
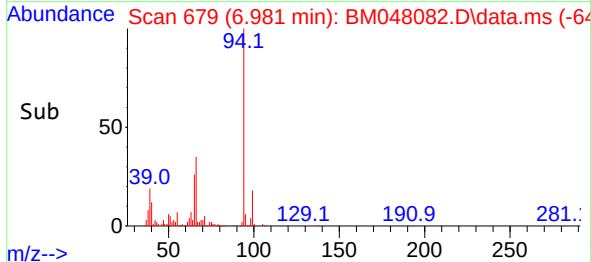
Instrument :
BNA_M
ClientSampleId :
EOAK6



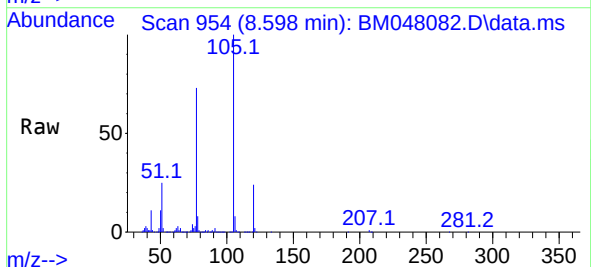
Tgt Ion: 94 Resp: 115810
Ion Ratio Lower Upper
94 100
65 26.3 26.3 39.5
66 35.4 30.5 45.7

Manual Integrations
APPROVED

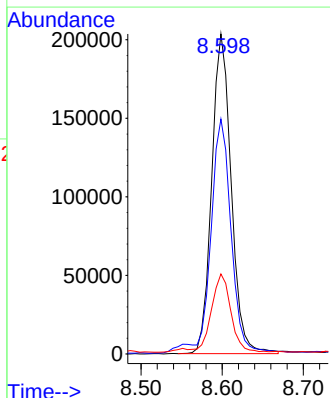
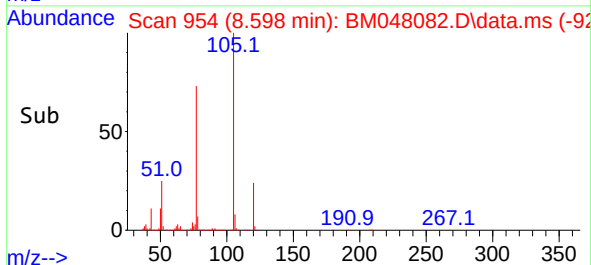
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

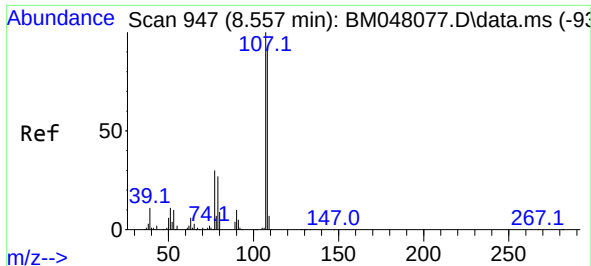


#16
Acetophenone
Concen: 9.015 ng/u1
RT: 8.598 min Scan# 954
Delta R.T. -0.012 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14



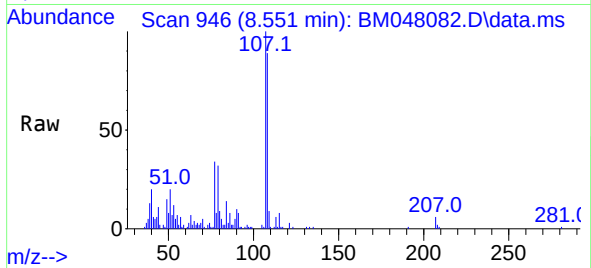
Tgt Ion:105 Resp: 339243
Ion Ratio Lower Upper
105 100
77 73.4 66.6 100.0
51 25.0 27.0 40.4#





#18
4-Methylphenol
Concen: 1.356 ng/ul
RT: 8.551 min Scan# 947
Delta R.T. -0.006 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

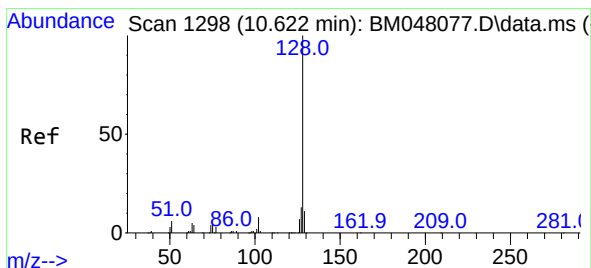
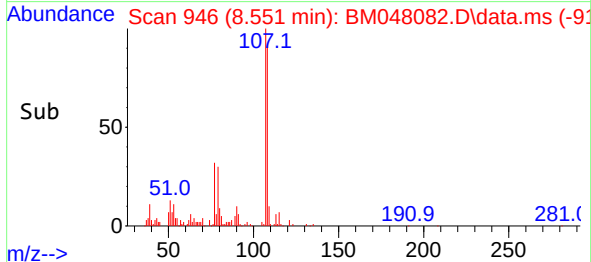
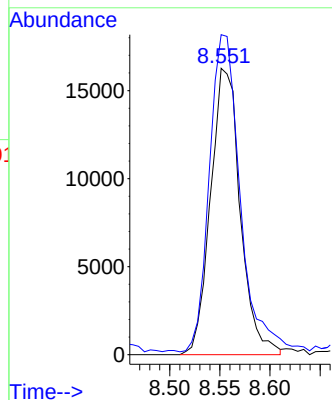
Instrument :
BNA_M
ClientSampleId :
EOAK6



Tgt Ion:108 Resp: 33450
Ion Ratio Lower Upper
108 100
107 111.8 88.4 132.6

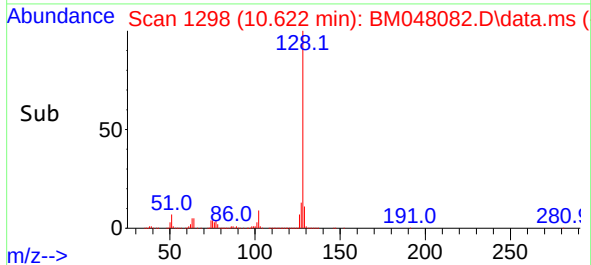
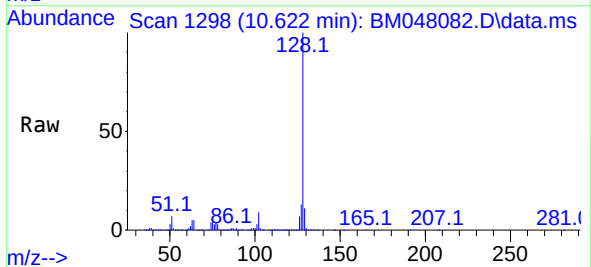
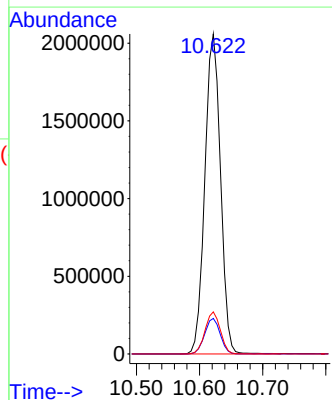
Manual Integrations
APPROVED

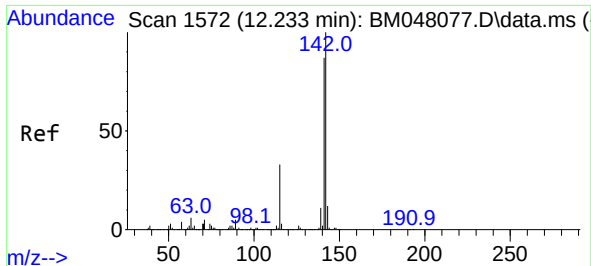
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#30
Naphthalene
Concen: 47.916 ng/ul
RT: 10.622 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

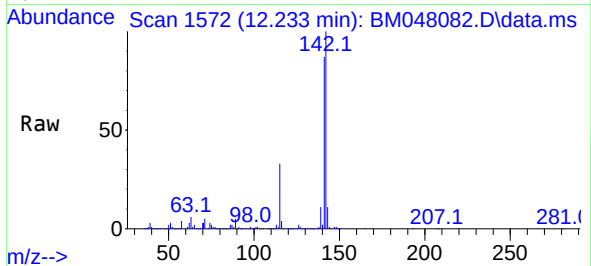
Tgt Ion:128 Resp: 3545899
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.2 10.4 15.6





#36
2-Methylnaphthalene
Concen: 16.087 ng/ul
RT: 12.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

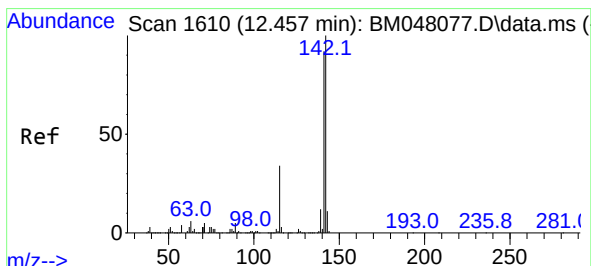
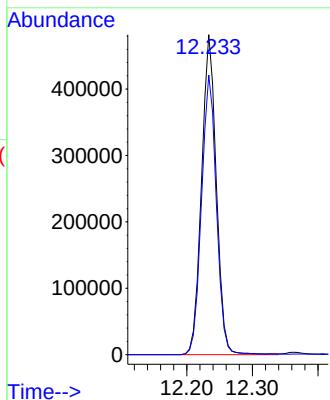
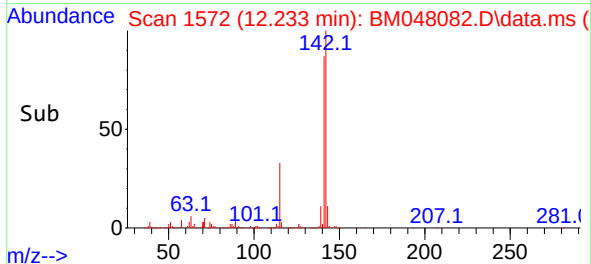
Instrument :
BNA_M
ClientSampleId :
EOAK6



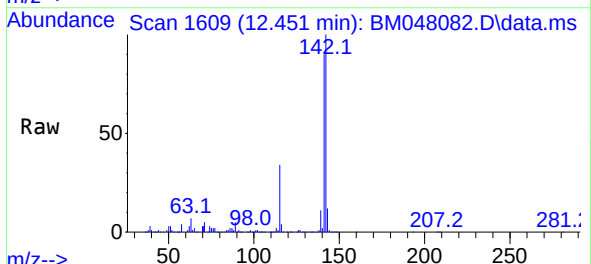
Tgt Ion:142 Resp: 75640
Ion Ratio Lower Upper
142 100
141 87.4 72.5 108.7

Manual Integrations
APPROVED

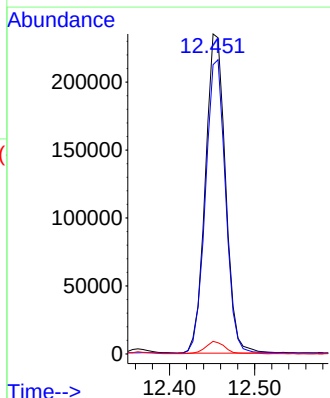
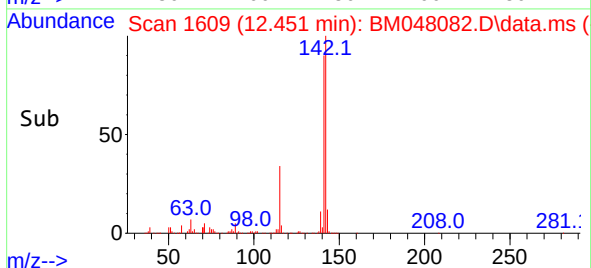
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

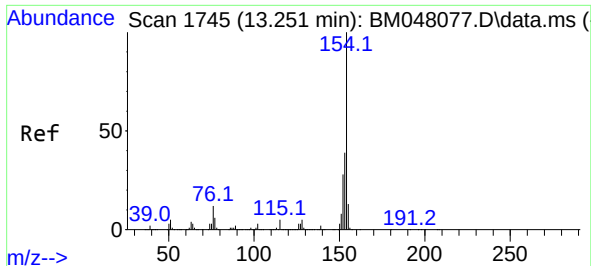


#37
1-Methylnaphthalene
Concen: 8.067 ng/ul
RT: 12.451 min Scan# 1609
Delta R.T. -0.012 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14



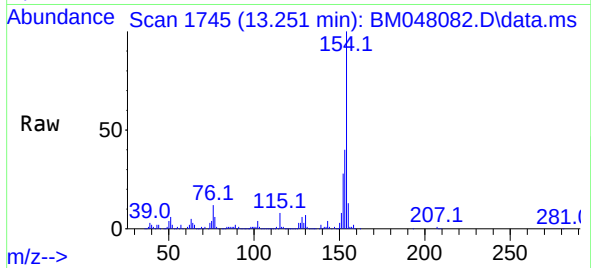
Tgt Ion:142 Resp: 385909
Ion Ratio Lower Upper
142 100
141 90.4 73.4 110.2
116 3.9 3.0 4.6





#43
1,1'-Biphenyl
Concen: 3.310 ng/ul
RT: 13.251 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

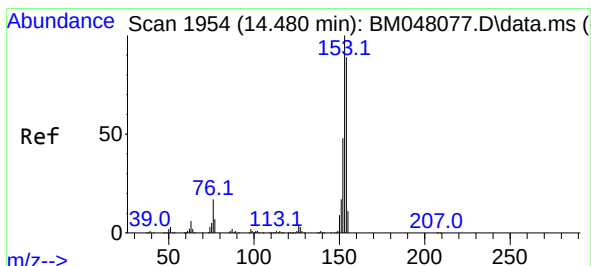
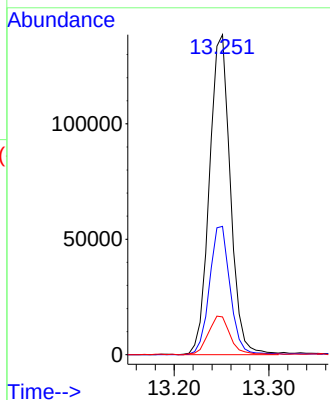
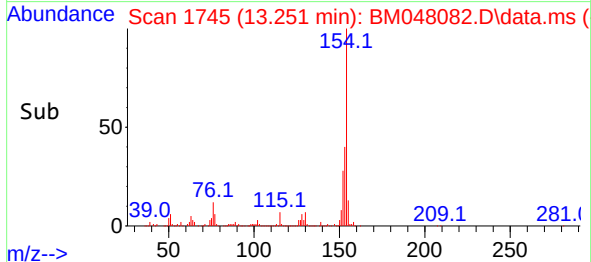
Instrument :
BNA_M
ClientSampleId :
EOAK6



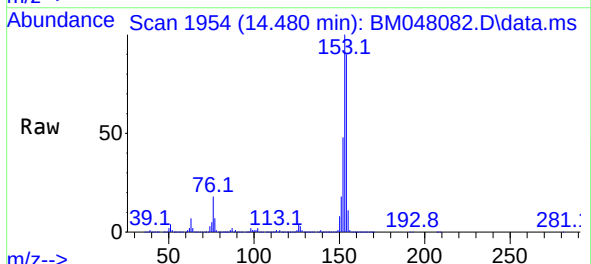
Tgt Ion:154 Resp: 212540
Ion Ratio Lower Upper
154 100
153 40.1 31.1 46.7
76 11.8 12.1 18.1

Manual Integrations
APPROVED

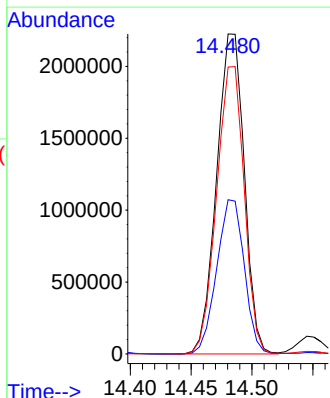
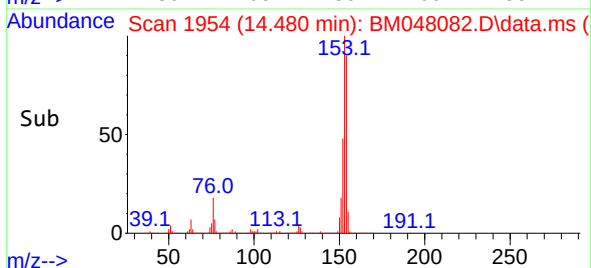
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

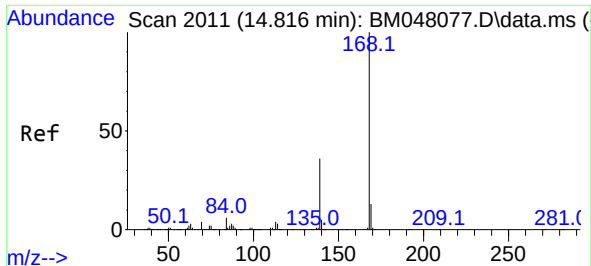


#52
Acenaphthene
Concen: 64.163 ng/ul
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14



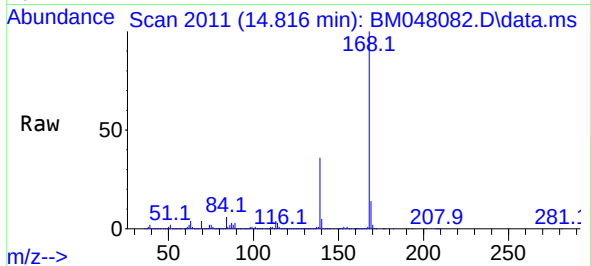
Tgt Ion:153 Resp: 3525892
Ion Ratio Lower Upper
153 100
152 48.2 39.7 59.5
154 89.7 72.6 108.8





#56
Dibenzenofuran
Concen: 31.383 ng/u1
RT: 14.816 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

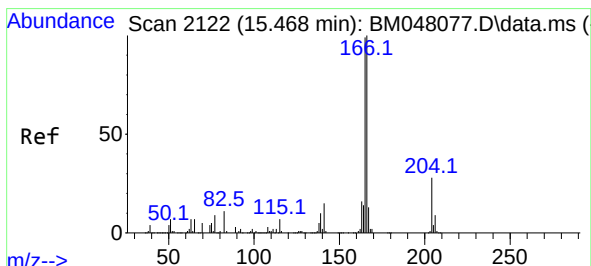
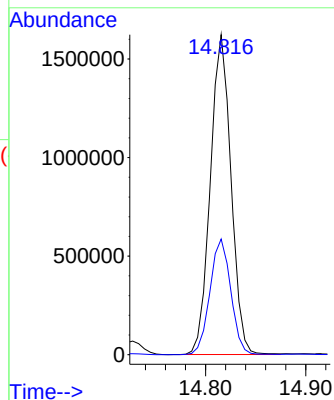
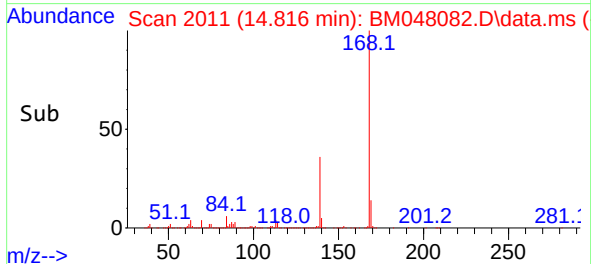
Instrument :
BNA_M
ClientSampleId :
EOAK6



Tgt Ion:168 Resp: 2321410
Ion Ratio Lower Upper
168 100
139 36.2 31.0 46.6

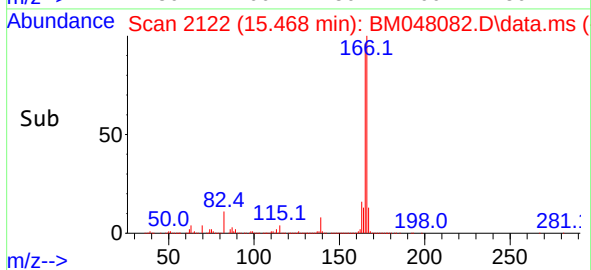
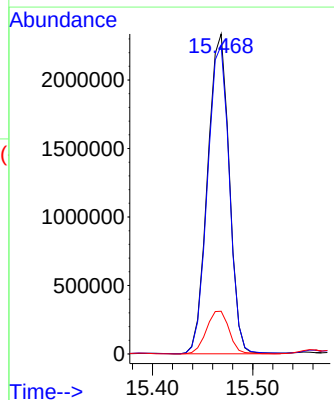
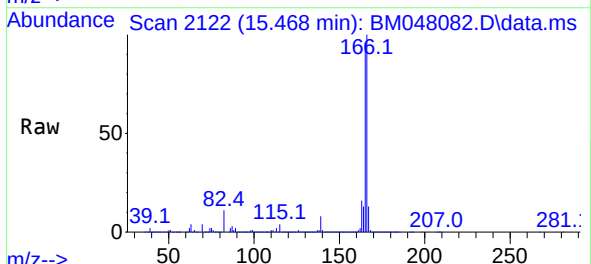
Manual Integrations
APPROVED

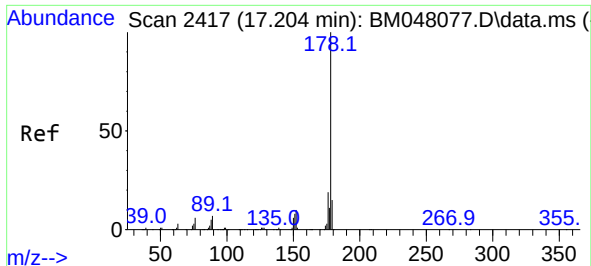
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#61
Fluorene
Concen: 56.839 ng/u1
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

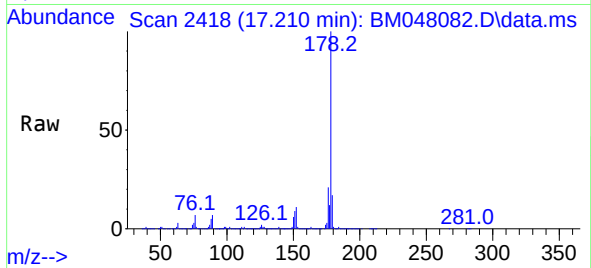
Tgt Ion:166 Resp: 3507712
Ion Ratio Lower Upper
166 100
165 96.4 77.8 116.6
167 13.3 10.8 16.2





#72
Phenanthrene
Concen: 184.804 ng/u1
RT: 17.210 min Scan# 2417
Delta R.T. 0.006 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

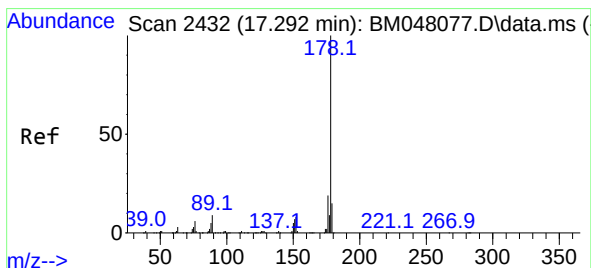
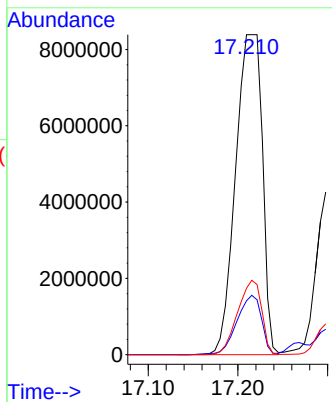
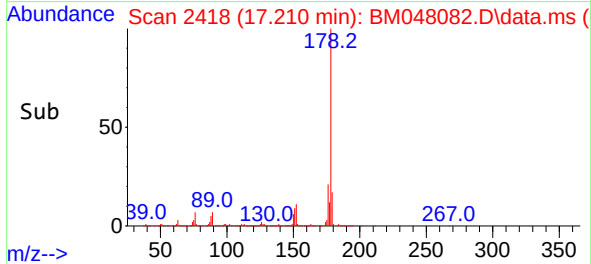
Instrument :
BNA_M
ClientSampleId :
EOAK6



Tgt Ion:178 Resp:1740288
Ion Ratio Lower Upper
178 100
179 16.9 12.0 18.0
176 20.8 15.4 23.0

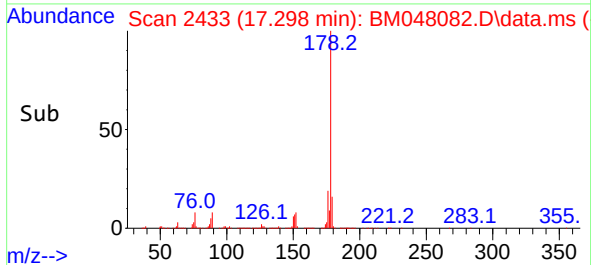
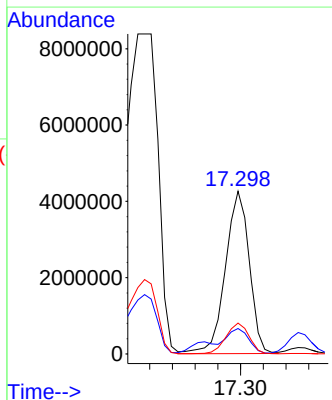
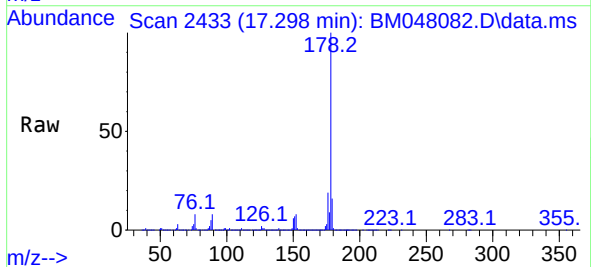
Manual Integrations
APPROVED

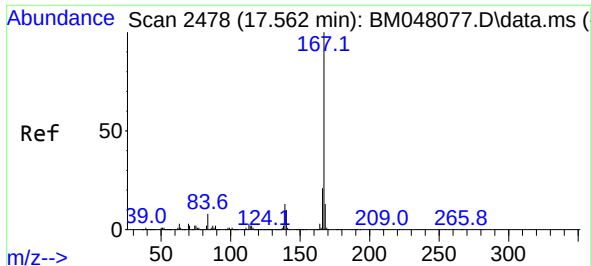
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#74
Anthracene
Concen: 64.853 ng/u1
RT: 17.298 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

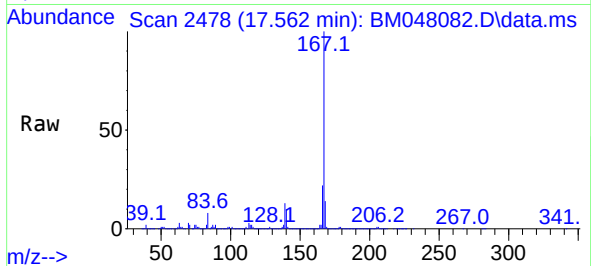
Tgt Ion:178 Resp: 6228993
Ion Ratio Lower Upper
178 100
179 15.7 12.4 18.6
176 18.9 14.7 22.1





#77
 Carbazole
 Concen: 33.710 ng/ul
 RT: 17.562 min Scan# 2478
 Delta R.T. 0.000 min
 Lab File: BM048082.D
 Acq: 16 Oct 2024 10:14

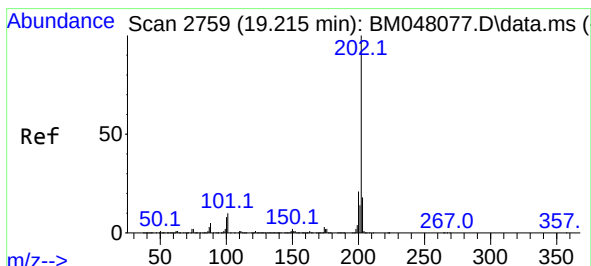
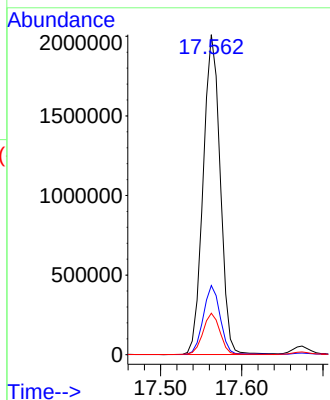
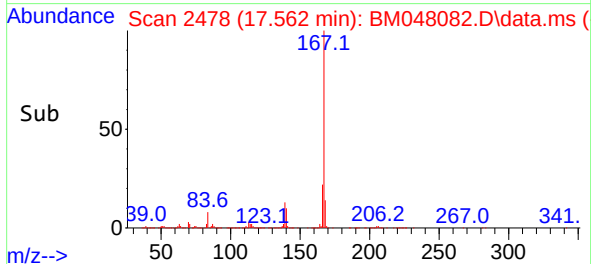
Instrument :
 BNA_M
 ClientSampleId :
 EOAK6



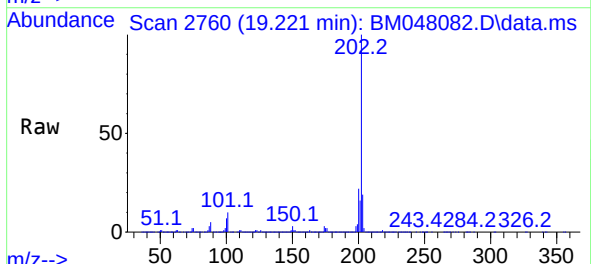
Tgt Ion:167 Resp: 293476
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.4 26.0
 139 12.9 10.9 16.3

Manual Integrations
 APPROVED

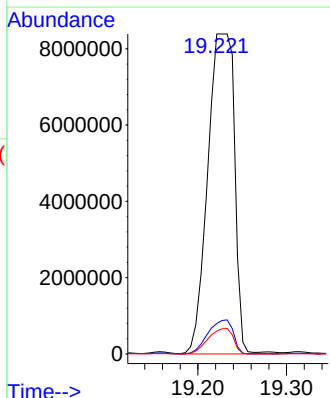
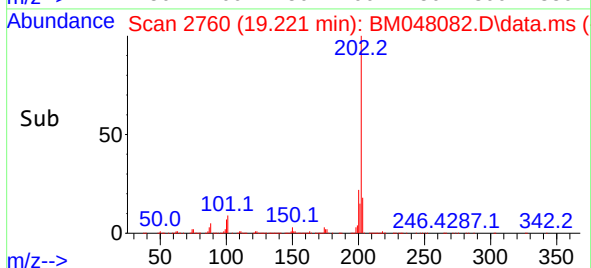
Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024

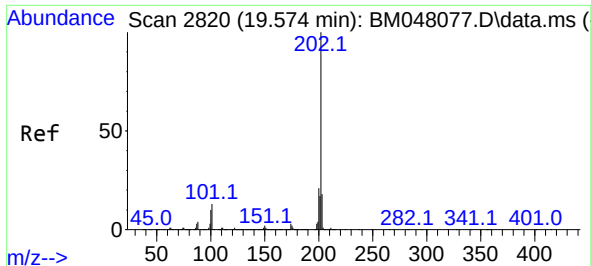


#80
 Fluoranthene
 Concen: 237.966 ng/ul m
 RT: 19.221 min Scan# 2760
 Delta R.T. 0.006 min
 Lab File: BM048082.D
 Acq: 16 Oct 2024 10:14



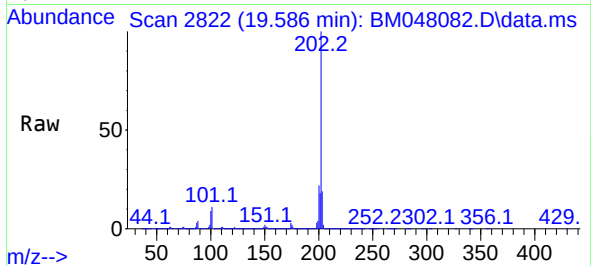
Tgt Ion:202 Resp:17632371
 Ion Ratio Lower Upper
 202 100
 101 9.5 9.0 13.4
 100 7.2 6.8 10.2





#82
Pyrene
Concen: 143.135 ng/u1
RT: 19.586 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

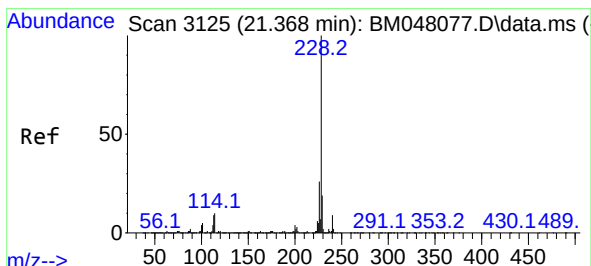
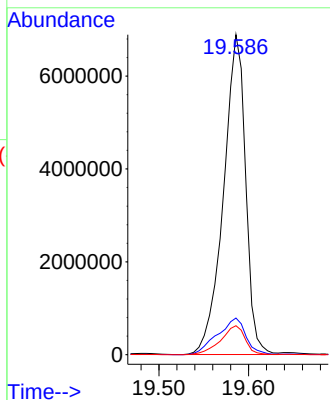
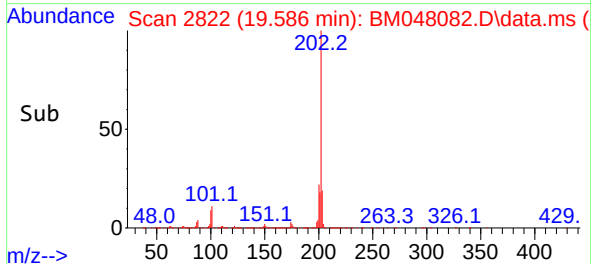
Instrument :
BNA_M
ClientSampleId :
EOAK6



Tgt Ion:202 Resp:1180420
Ion Ratio Lower Upper
202 100
101 11.5 10.9 16.3
100 9.0 9.4 14.2

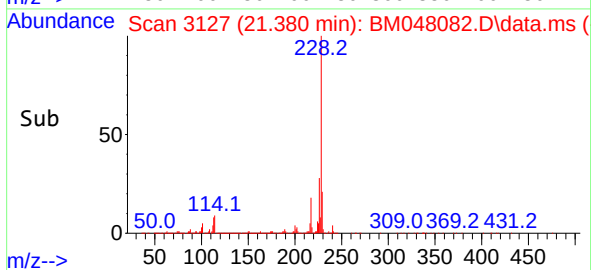
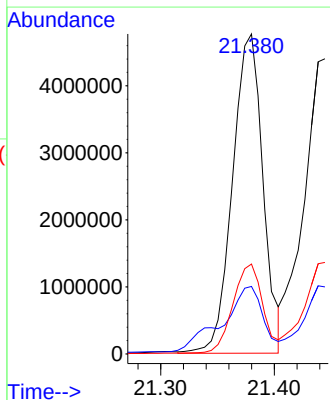
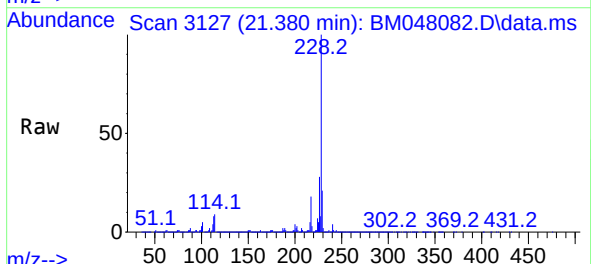
Manual Integrations
APPROVED

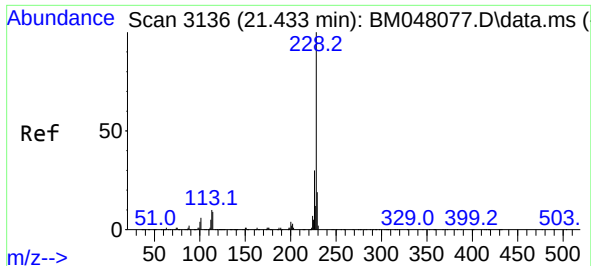
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#85
Benzo(a)anthracene
Concen: 114.263 ng/u1
RT: 21.380 min Scan# 3127
Delta R.T. 0.012 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

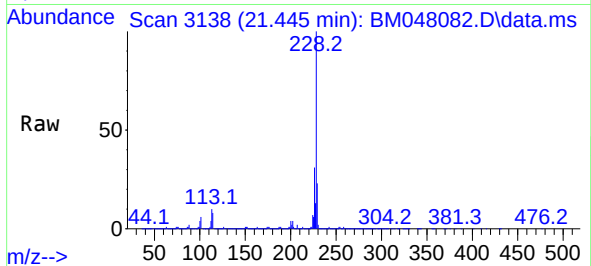
Tgt Ion:228 Resp: 8868468
Ion Ratio Lower Upper
228 100
229 21.1 15.6 23.4
226 28.1 21.9 32.9





#87
Chrysene
Concen: 106.326 ng/u1
RT: 21.445 min Scan# 3138
Delta R.T. 0.018 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

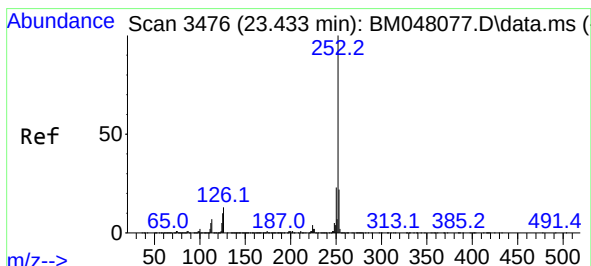
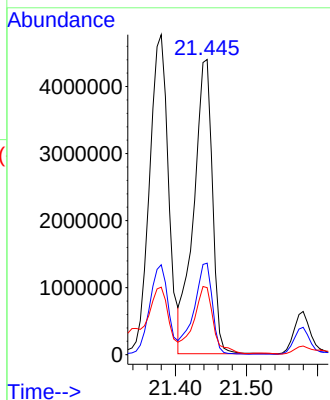
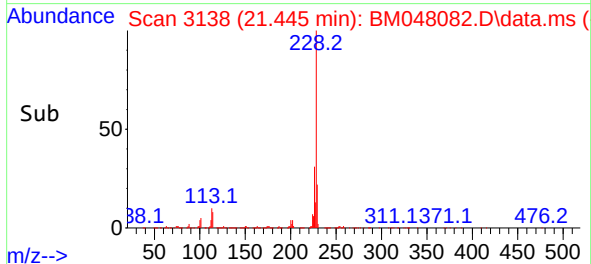
Instrument :
BNA_M
ClientSampleId :
EOAK6



Tgt Ion:228 Resp: 8045119
Ion Ratio Lower Upper
228 100
226 31.0 23.6 35.4
229 22.7 15.3 22.9

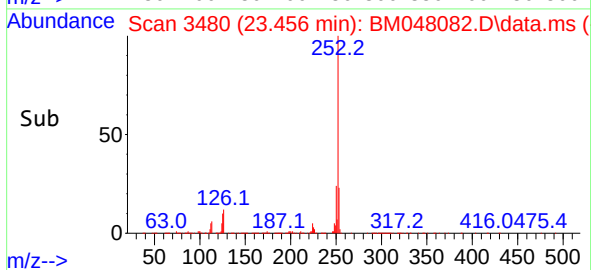
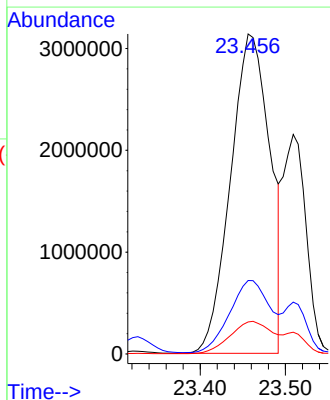
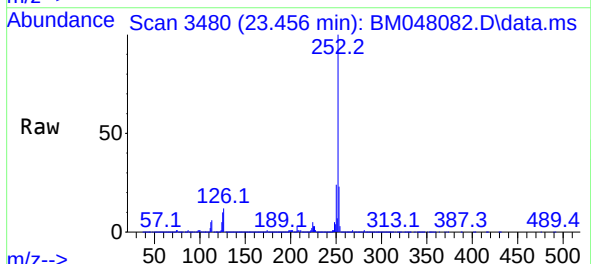
Manual Integrations
APPROVED

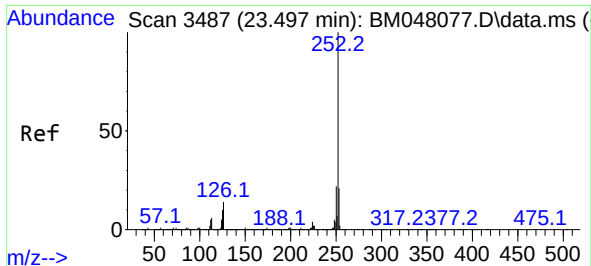
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#90
Benzo(b)fluoranthene
Concen: 110.411 ng/u1
RT: 23.456 min Scan# 3480
Delta R.T. 0.030 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

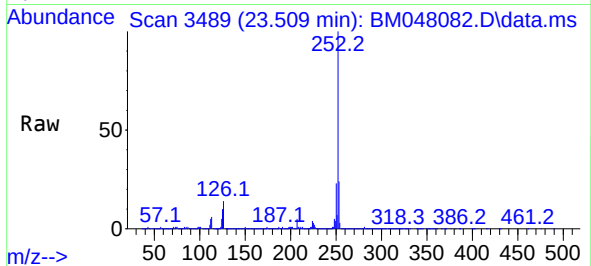
Tgt Ion:252 Resp:10073011
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.0 9.0 13.4





#91
Benzo(k)fluoranthene
Concen: 43.226 ng/ul m
RT: 23.509 min Scan# 3489
Delta R.T. 0.024 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

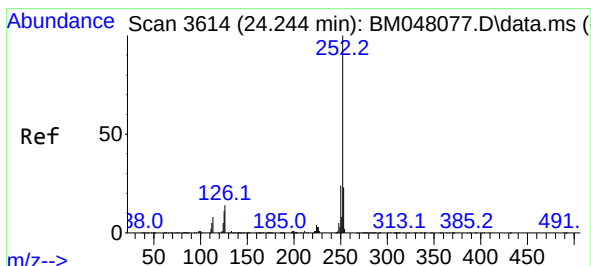
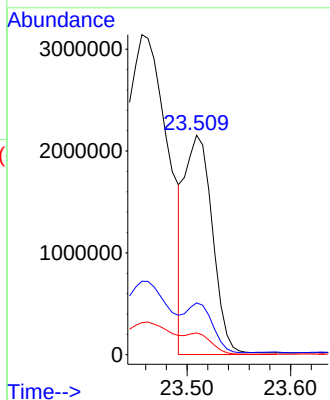
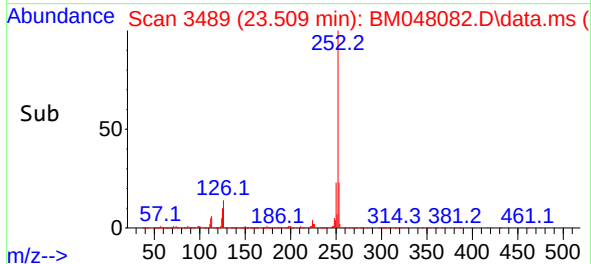
Instrument :
BNA_M
ClientSampleId :
EOAK6



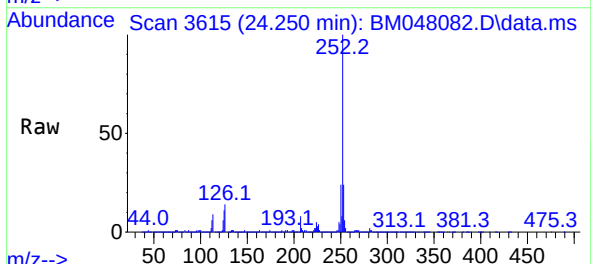
Tgt Ion:252 Resp: 4032435
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 9.9 8.9 13.3

Manual Integrations
APPROVED

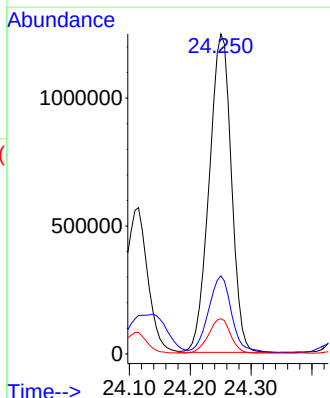
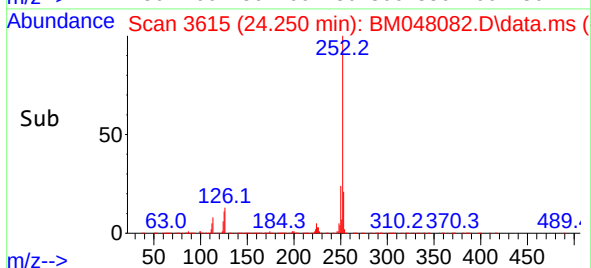
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

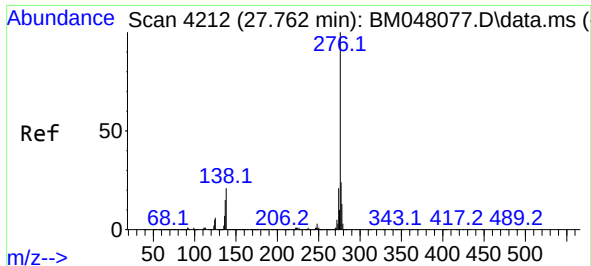


#93
Benzo(a)pyrene
Concen: 36.297 ng/ul
RT: 24.250 min Scan# 3615
Delta R.T. 0.018 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14



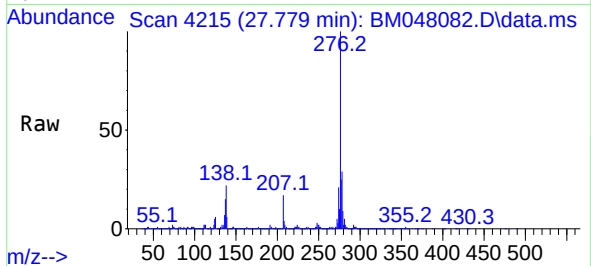
Tgt Ion:252 Resp: 3144917
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 11.0 10.1 15.1





#94
Indeno(1,2,3-cd)pyrene
Concen: 25.431 ng/ul
RT: 27.779 min Scan# 41
Delta R.T. 0.035 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

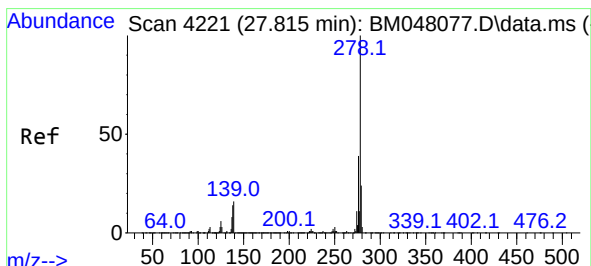
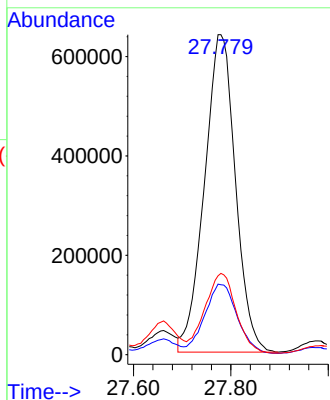
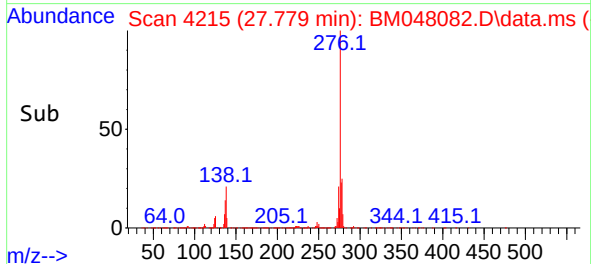
Instrument :
BNA_M
ClientSampleId :
EOAK6



Tgt Ion:276 Resp: 282380
Ion Ratio Lower Upper
276 100
138 21.8 16.9 25.3
277 25.4 18.9 28.3

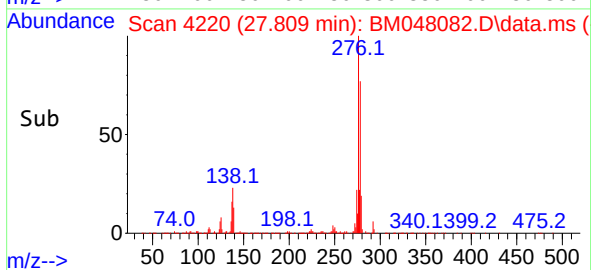
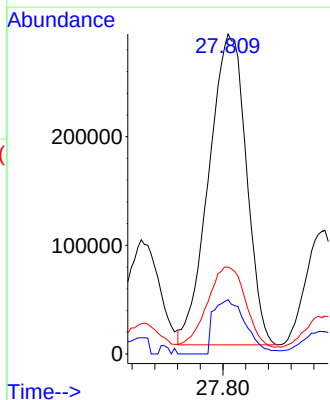
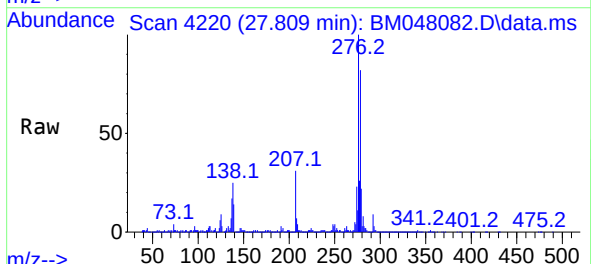
Manual Integrations
APPROVED

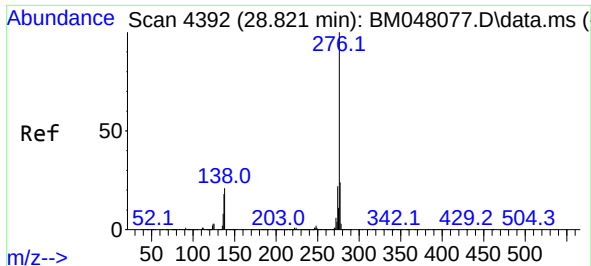
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#95
Dibenzo(a,h)anthracene
Concen: 14.362 ng/ul
RT: 27.809 min Scan# 4220
Delta R.T. 0.012 min
Lab File: BM048082.D
Acq: 16 Oct 2024 10:14

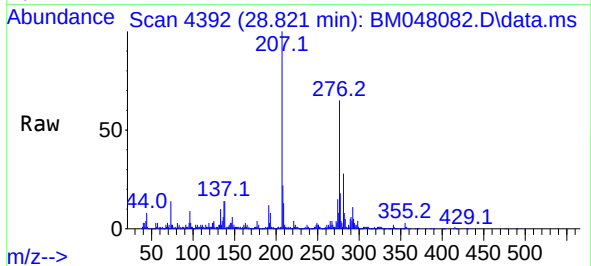
Tgt Ion:278 Resp: 1306937
Ion Ratio Lower Upper
278 100
139 16.9 13.4 20.2
279 27.1 18.4 27.6





#96
 Benzo(g,h,i)perylene
 Concen: 3.718 ng/ul
 RT: 28.821 min Scan# 41
 Delta R.T. 0.030 min
 Lab File: BM048082.D
 Acq: 16 Oct 2024 10:14

Instrument :
 BNA_M
 ClientSampleId :
 EOAK6



Tgt Ion:276 Resp: 32344
 Ion Ratio Lower Upper
 276 100
 138 21.0 18.7 28.1
 277 28.4 18.3 27.5

Manual Integrations
 APPROVED

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

