

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
 Data File : BM042517.D
 Acq On : 31 Oct 2023 18:57
 Operator : MA/JU
 Sample : 04938-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A-1(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

Quant Time: Nov 01 01:48:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	87505	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	319527	20.000	ng	-0.01
39) Acenaphthene-d10	14.568	164	185487	20.000	ng	-0.01
64) Phenanthrene-d10	17.321	188	392211	20.000	ng	0.00
76) Chrysene-d12	21.503	240	408952	20.000	ng	0.00
86) Perylene-d12	23.927	264	457052	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	484373	89.334	ng	0.00
7) Phenol-d6	7.087	99	614414	82.626	ng	-0.01
23) Nitrobenzene-d5	9.122	82	413969	60.395	ng	-0.01
42) 2,4,6-Tribromophenol	16.068	330	216143	89.253	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	726764	52.722	ng	0.00
79) Terphenyl-d14	19.939	244	1073174	44.496	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.087	77	9680	2.259	ng	91
31) Naphthalene	10.792	128	68926	4.175	ng	99
32) Benzoic acid	9.986	122	9314	6.367	ng	92
37) 2-Methylnaphthalene	12.398	142	57613	4.955	ng	99
38) 1-Methylnaphthalene	12.616	142	62391	5.701	ng	99
49) Acenaphthylene	14.304	152	123751	7.184	ng	100
58) Fluorene	15.621	166	78598	5.715	ng	99
71) Phenanthrene	17.368	178	743743	36.286	ng	99
72) Anthracene	17.456	178	133139	6.558	ng	99
75) Fluoranthene	19.380	202	563812	23.417	ng	99
78) Pyrene	19.745	202	786422	28.005	ng	99
81) Benzo(a)anthracene	21.486	228	330525	12.703	ng	96
83) Chrysene	21.544	228	332226m	12.570	ng	
87) Indeno(1,2,3-cd)pyrene	26.444	276	161880	5.951	ng	95
88) Benzo(b)fluoranthene	23.180	252	321574m	12.629	ng	
89) Benzo(k)fluoranthene	23.221	252	121238m	4.273	ng	
90) Benzo(a)pyrene	23.815	252	275827	11.003	ng	98
91) Dibenzo(a,h)anthracene	26.456	278	43306	5.714	ng	# 86
92) Benzo(g,h,i)perylene	27.238	276	183761	7.665	ng	99

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

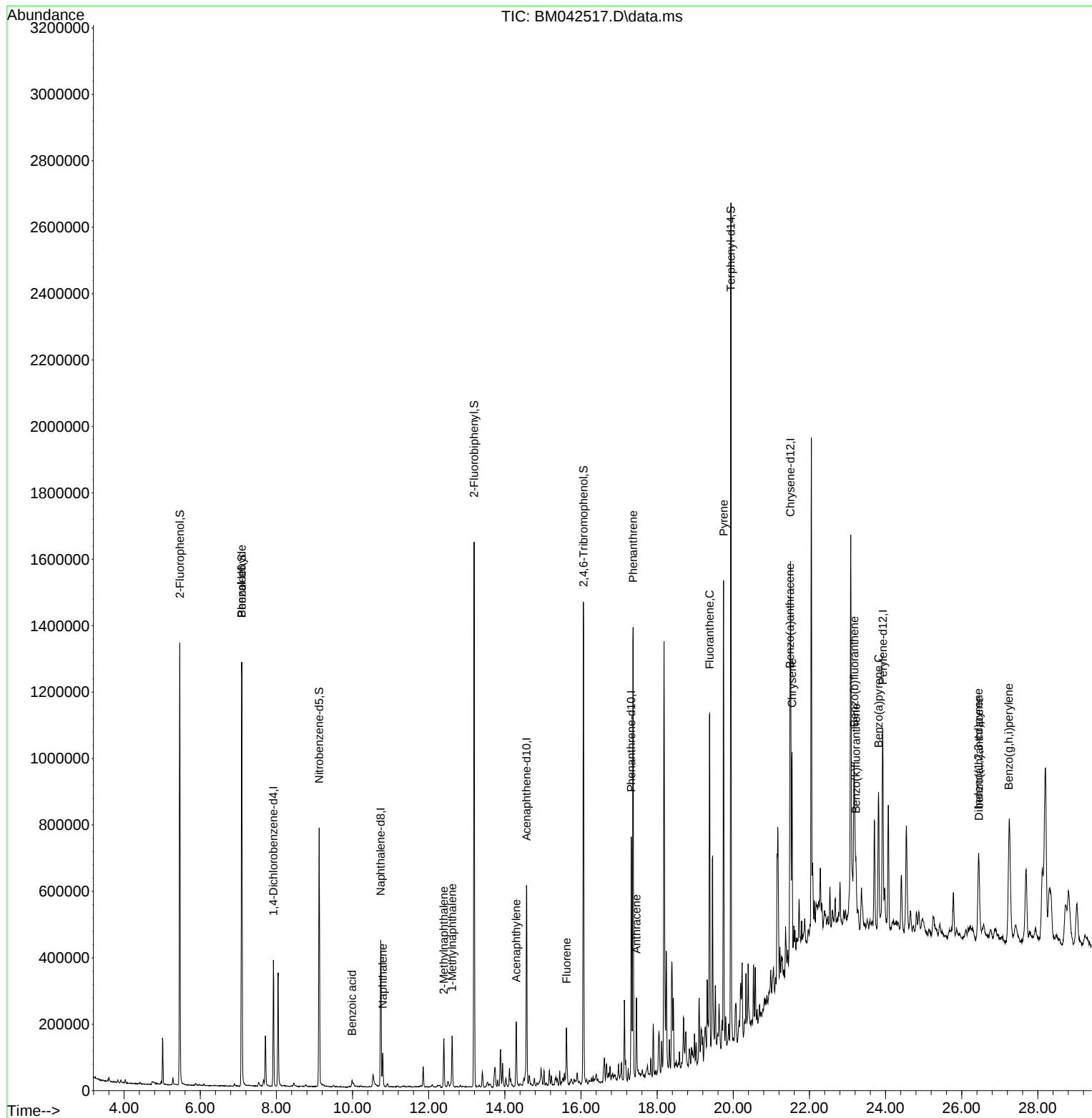
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042517.D
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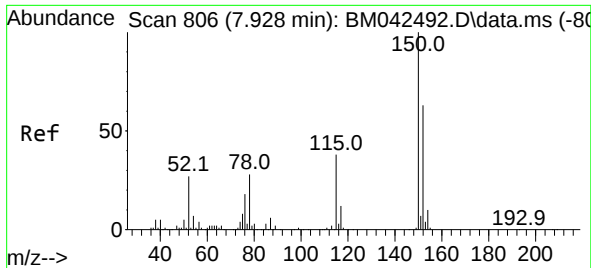
Instrument :
BNA_M
ClientSampleId :
A-1(0-2)

Quant Time: Nov 01 01:48:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
Response via : Initial Calibration

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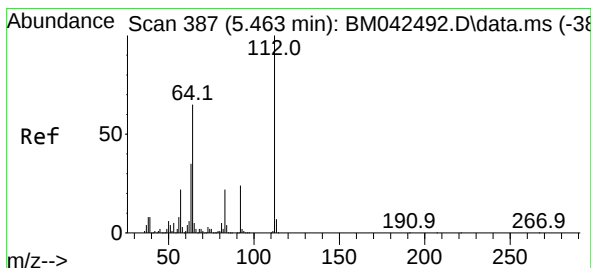
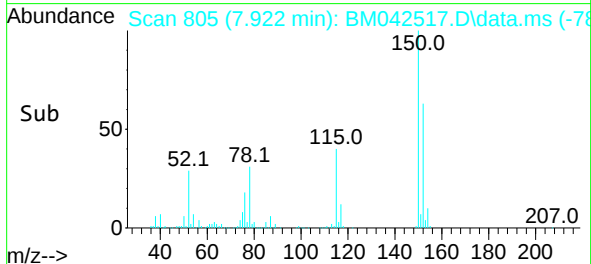
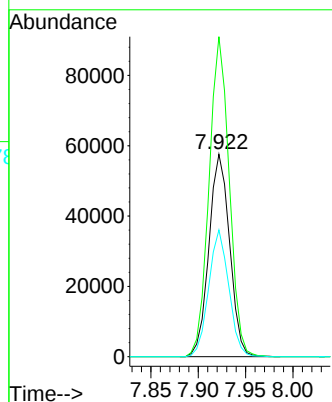
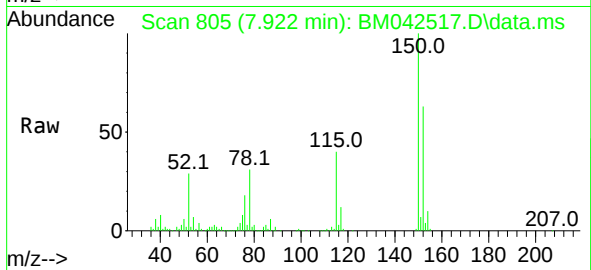
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

Instrument :
BNA_M
ClientSampleId :
A-1(0-2)

Tgt Ion:152 Resp: 8750
Ion Ratio Lower Upper
152 100
150 158.1 127.4 191.0
115 62.6 47.9 71.9

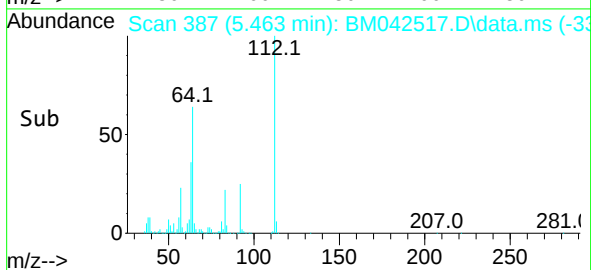
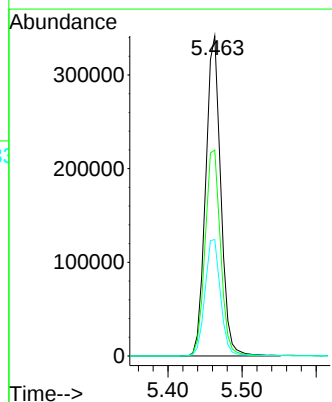
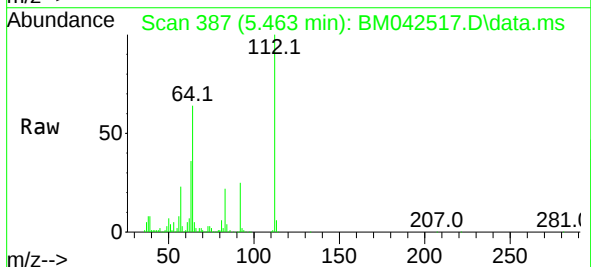
Manual Integrations
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Supervised By :mohammad ahmed 11/01/2023



#5
2-Fluorophenol
Concen: 89.334 ng
RT: 5.463 min Scan# 387
Delta R.T. -0.000 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

Tgt Ion:112 Resp: 484373
Ion Ratio Lower Upper
112 100
64 64.4 52.1 78.1
63 36.4 28.3 42.5





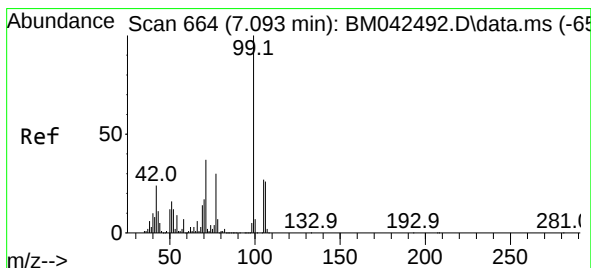
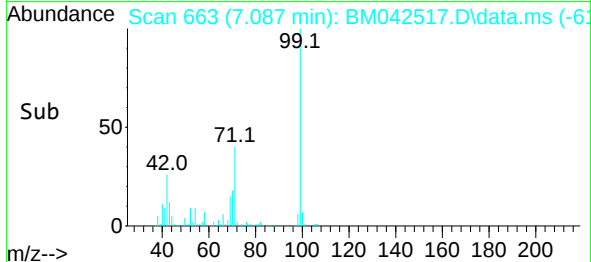
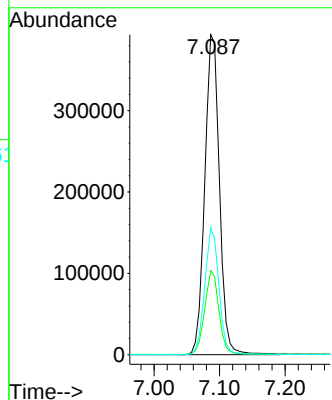
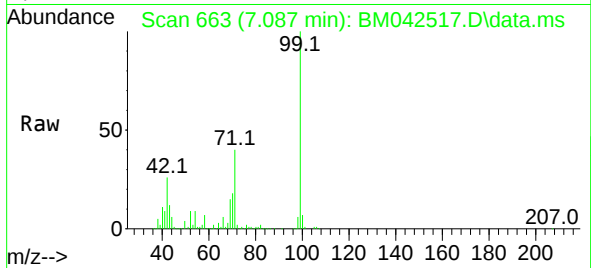
#7
Phenol-d6
Concen: 82.626 ng
RT: 7.087 min Scan# 614
Delta R.T. -0.012 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

Instrument :
BNA_M
ClientSampleId :
A-1(0-2)

Tgt Ion: 99 Resp: 614414
Ion Ratio Lower Upper
99 100
42 26.2 18.7 28.1
71 39.7 29.1 43.7

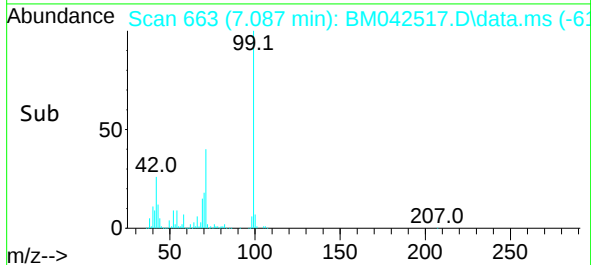
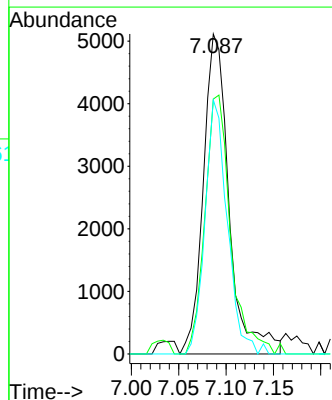
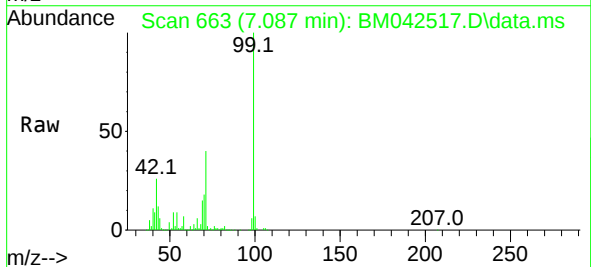
Manual Integrations
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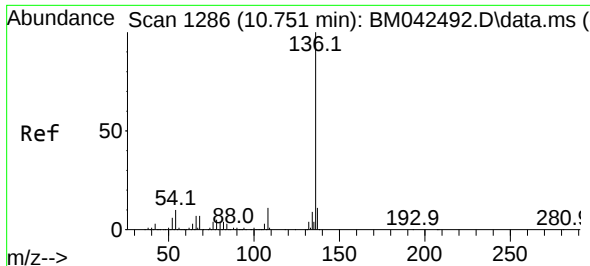
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#9
Benzaldehyde
Concen: 2.259 ng
RT: 7.087 min Scan# 663
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

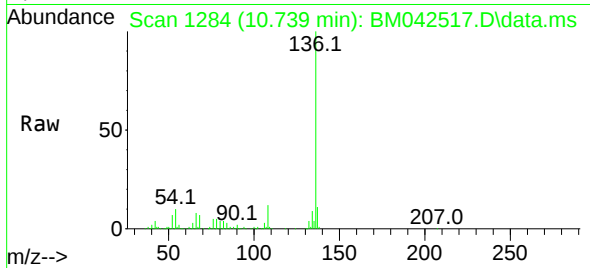
Tgt Ion: 77 Resp: 9680
Ion Ratio Lower Upper
77 100
105 79.6 69.7 109.7
106 79.4 66.4 106.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

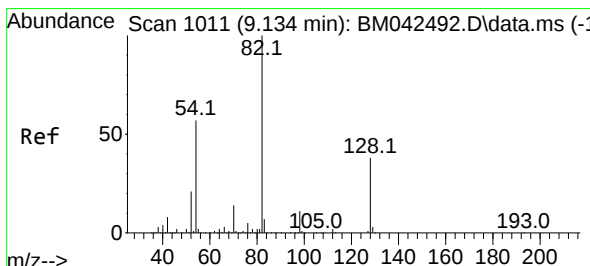
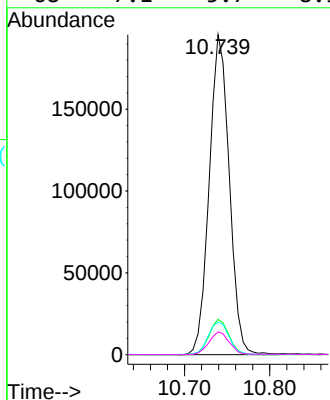
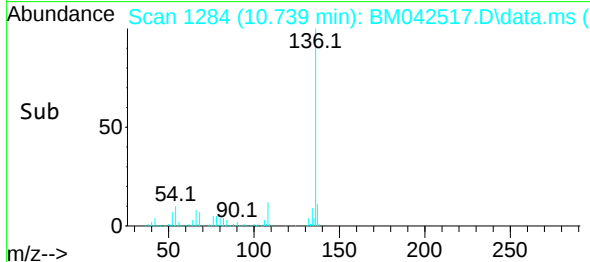
Instrument :
BNA_M
ClientSampleId :
A-1(0-2)



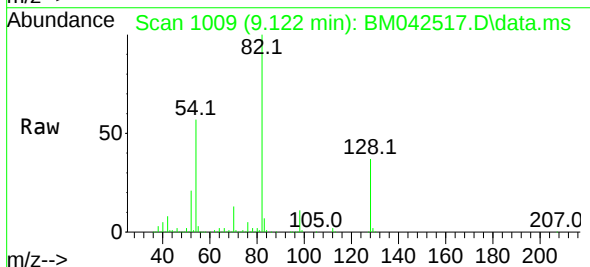
Tgt Ion:136 Resp: 319527
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 10.2 8.0 12.0
68 7.1 5.7 8.5

Manual Integrations
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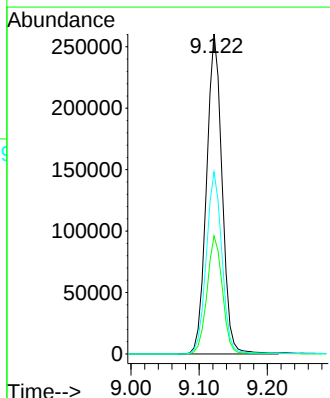
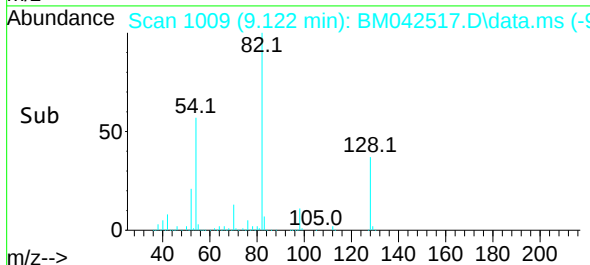
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

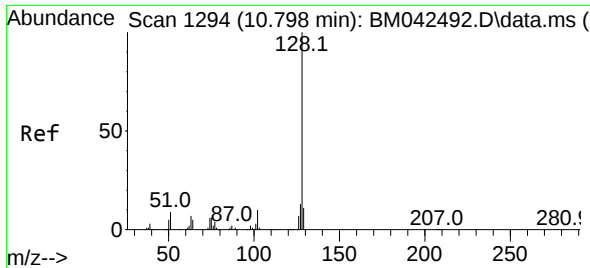


#23
Nitrobenzene-d5
Concen: 60.395 ng
RT: 9.122 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57



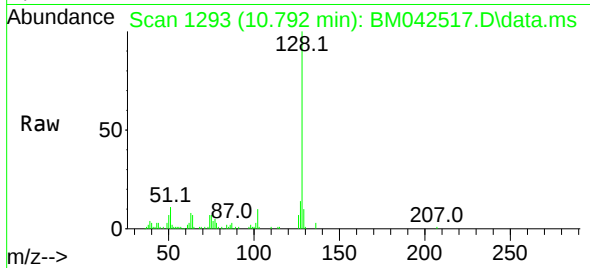
Tgt Ion: 82 Resp: 413969
Ion Ratio Lower Upper
82 100
128 36.9 30.7 46.1
54 56.9 45.3 67.9





#31
Naphthalene
Concen: 4.175 ng
RT: 10.792 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

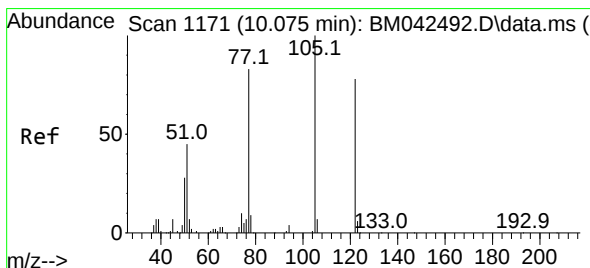
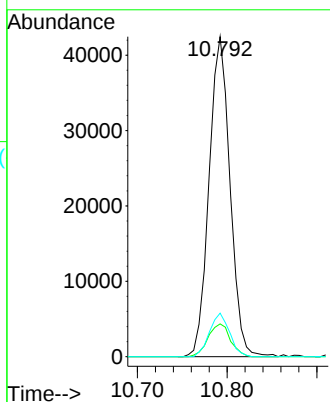
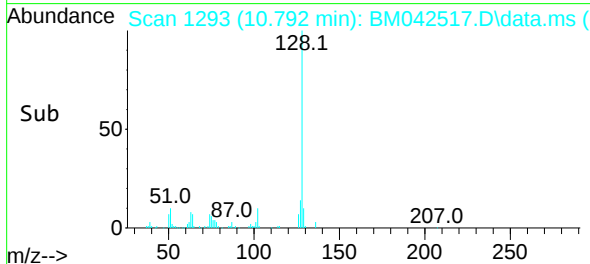
Instrument :
BNA_M
ClientSampleId :
A-1(0-2)



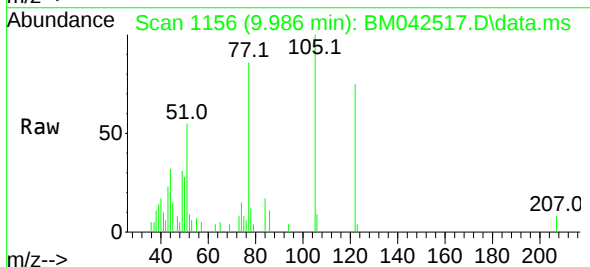
Tgt Ion:128 Resp: 68920
Ion Ratio Lower Upper
128 100
129 10.2 8.8 13.2
127 13.6 10.6 15.8

Manual Integrations
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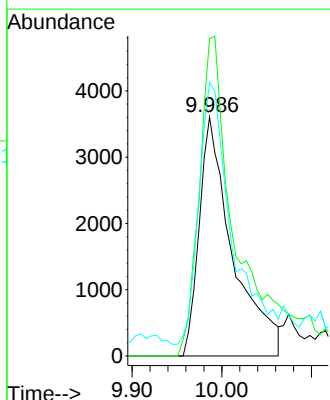
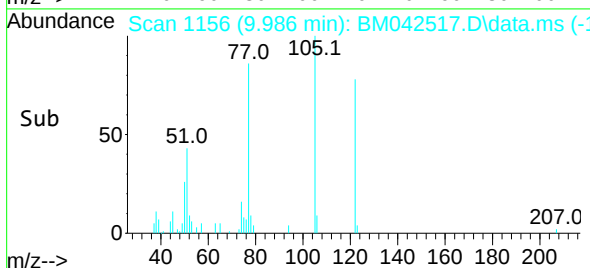
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

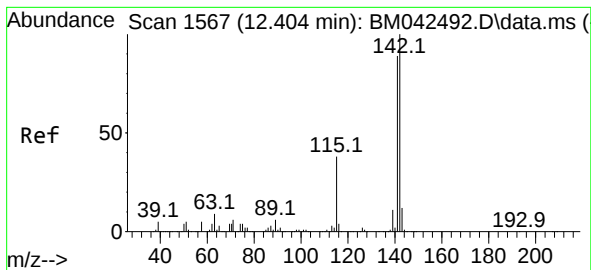


#32
Benzoic acid
Concen: 6.367 ng
RT: 9.986 min Scan# 1156
Delta R.T. -0.089 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57



Tgt Ion:122 Resp: 9314
Ion Ratio Lower Upper
122 100
105 132.8 105.2 145.2
77 114.6 84.8 124.8





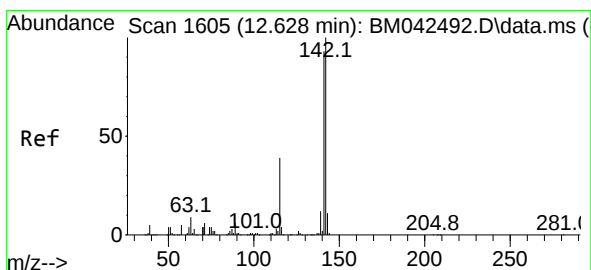
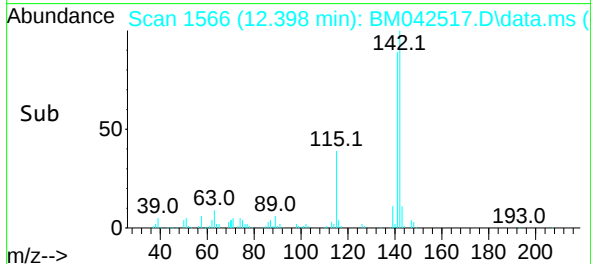
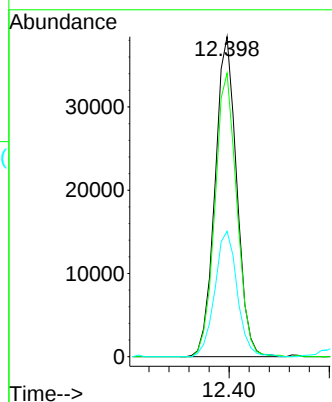
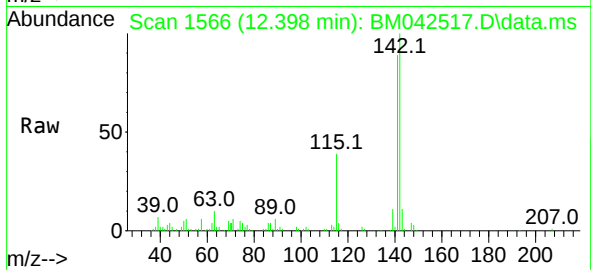
#37
2-Methylnaphthalene
Concen: 4.955 ng
RT: 12.398 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

Instrument :
BNA_M
ClientSampleId :
A-1(0-2)

Tgt Ion:142 Resp: 5761
Ion Ratio Lower Upper
142 100
141 88.6 70.9 106.3
115 39.2 30.2 45.2

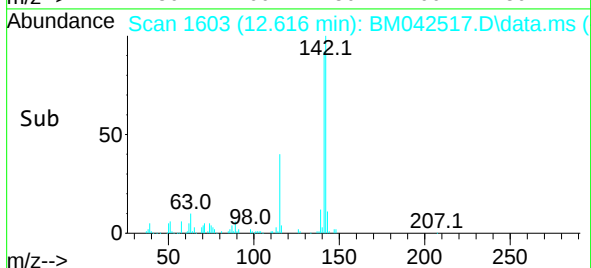
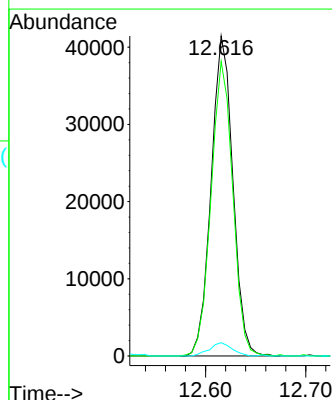
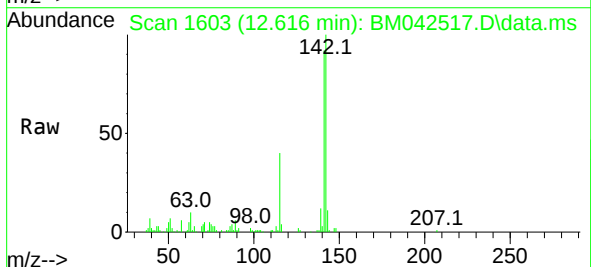
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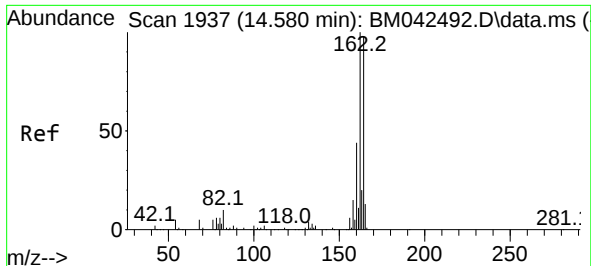
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#38
1-Methylnaphthalene
Concen: 5.701 ng
RT: 12.616 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

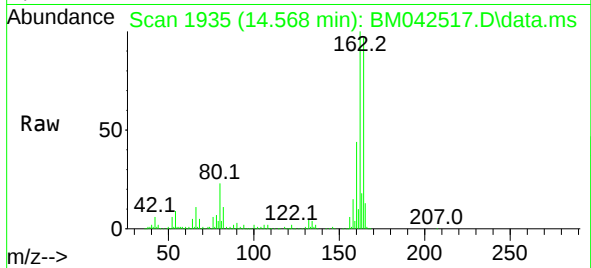
Tgt Ion:142 Resp: 62391
Ion Ratio Lower Upper
142 100
141 92.0 74.4 111.6
116 4.1 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

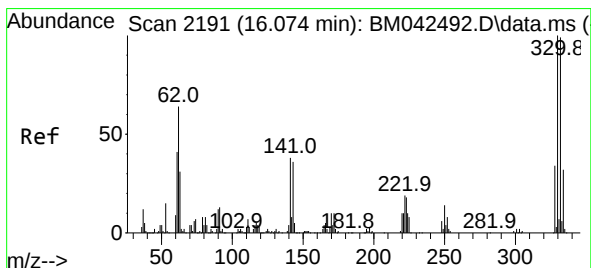
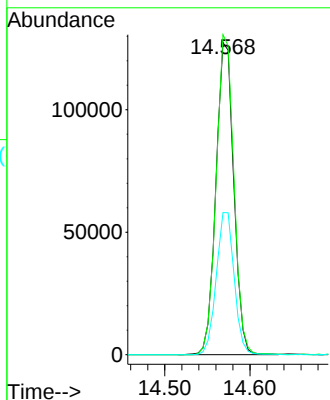
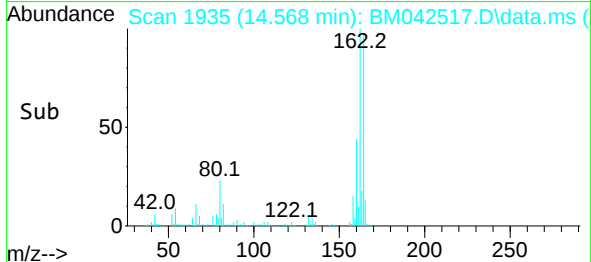
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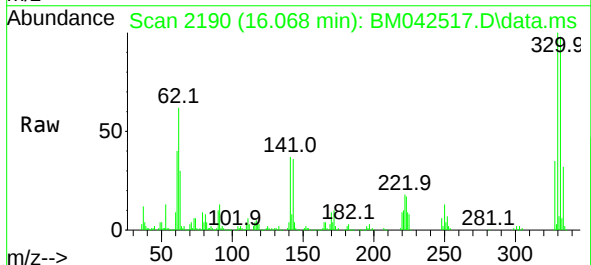
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Ion Ratio Lower Upper
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162 102.6 81.6 122.4
160 45.6 36.2 54.4

Manual Integrations
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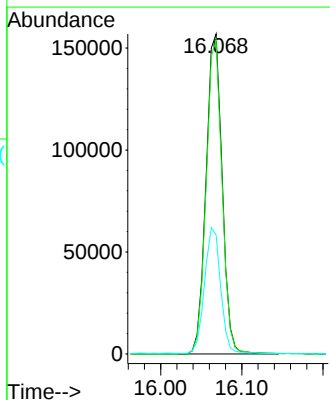
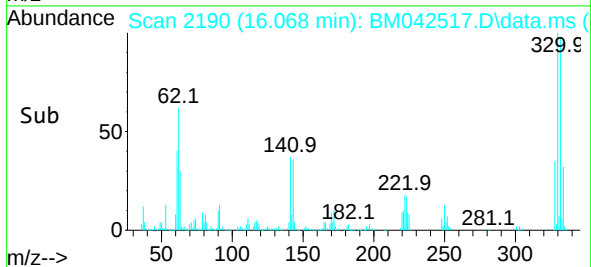
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

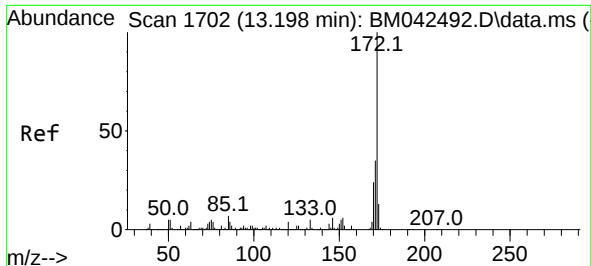


#42
2,4,6-Tribromophenol
Concen: 89.253 ng
RT: 16.068 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57



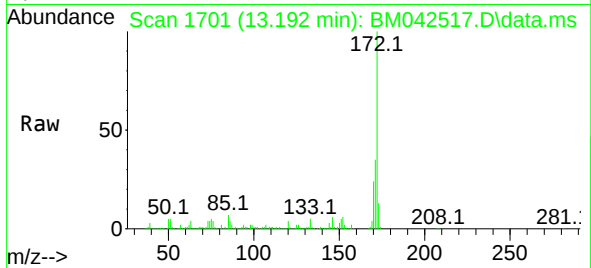
Tgt Ion:330 Resp: 216143
Ion Ratio Lower Upper
330 100
332 96.6 78.8 118.2
141 39.3 31.1 46.7





#45
2-Fluorobiphenyl
Concen: 52.722 ng
RT: 13.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

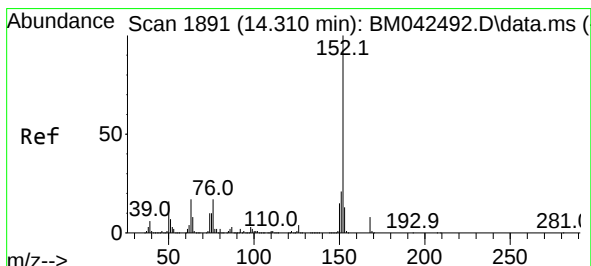
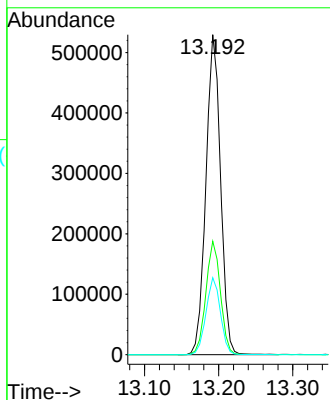
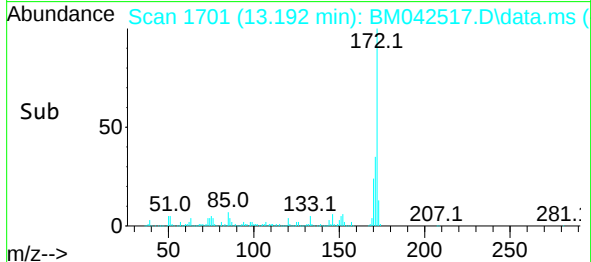
Instrument :
BNA_M
ClientSampleId :
A-1(0-2)



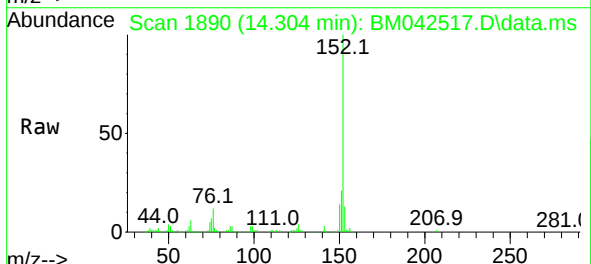
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Ion Ratio Lower Upper
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170 24.1 19.0 28.4

Manual Integrations
APPROVED

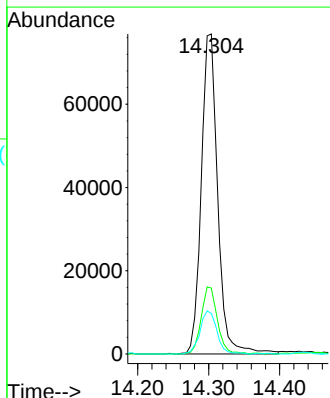
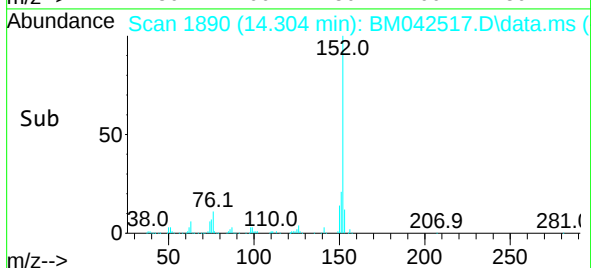
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

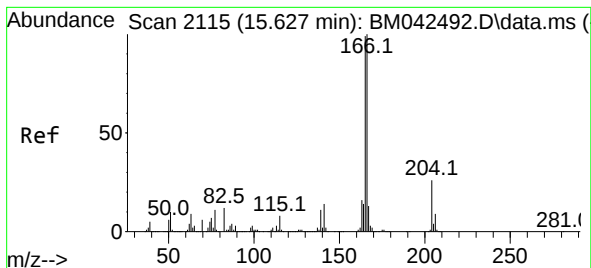


#49
Acenaphthylene
Concen: 7.184 ng
RT: 14.304 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57



Tgt Ion:152 Resp: 123751
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6
153 12.6 10.4 15.6





#58

Fluorene

Concen: 5.715 ng

RT: 15.621 min Scan# 2115

Delta R.T. -0.006 min

Lab File: BM042517.D

Acq: 31 Oct 2023 18:57

Instrument :

BNA_M

ClientSampleId :

A-1(0-2)

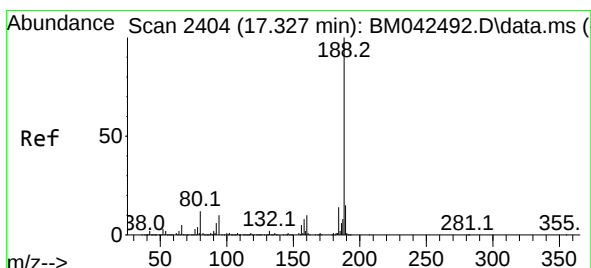
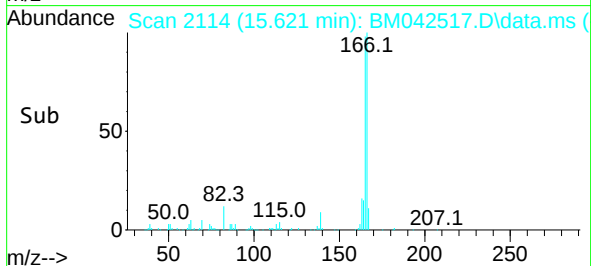
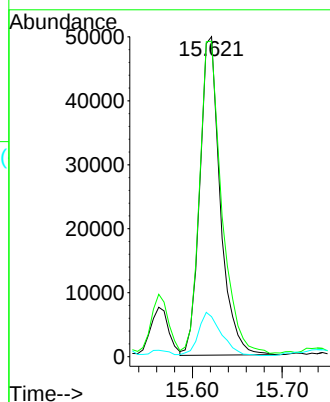
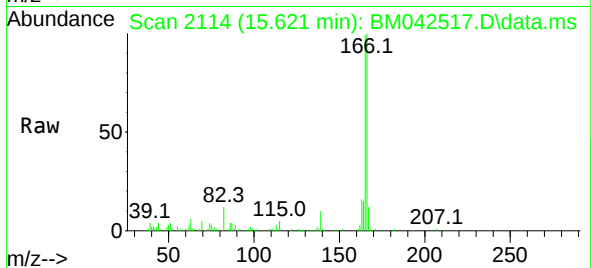
Tgt Ion:166 Resp: 78598
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.3 118.9
 167 12.5 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

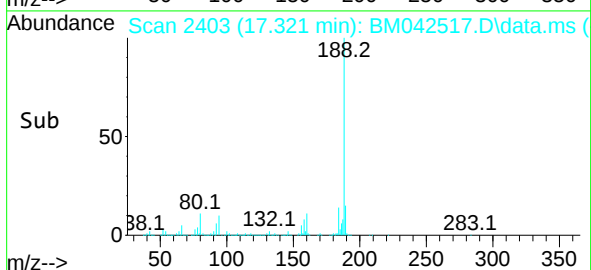
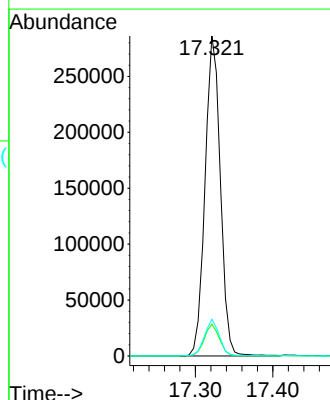
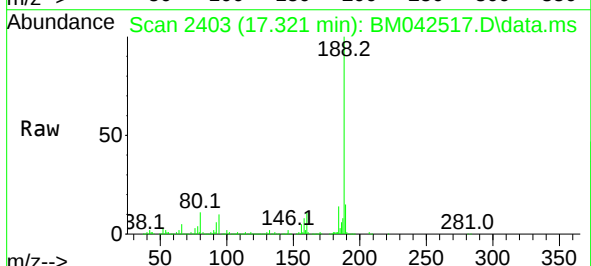
RT: 17.321 min Scan# 2403

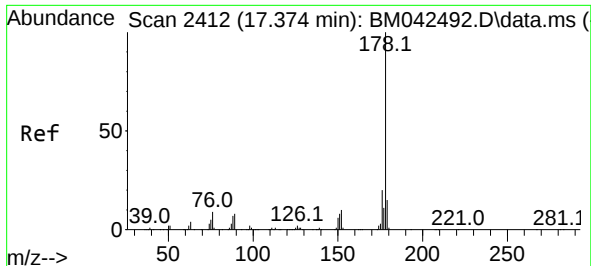
Delta R.T. -0.006 min

Lab File: BM042517.D

Acq: 31 Oct 2023 18:57

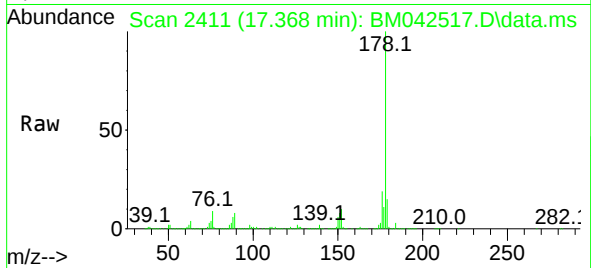
Tgt Ion:188 Resp: 392211
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.2 12.4
 80 11.4 9.4 14.2





#71
Phenanthrene
Concen: 36.286 ng
RT: 17.368 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

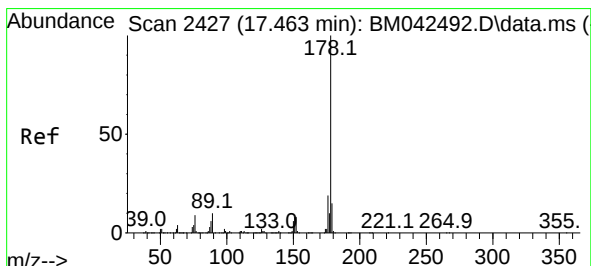
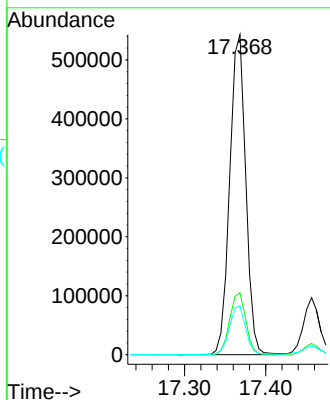
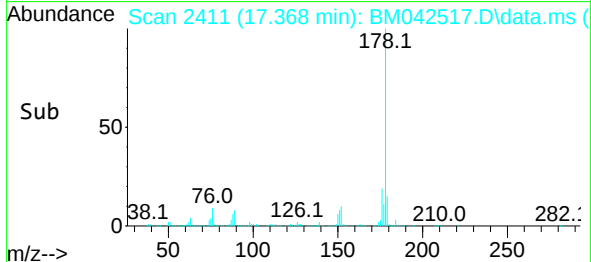
Instrument :
BNA_M
ClientSampleId :
A-1(0-2)



Tgt Ion:178 Resp: 74374
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.2 12.2 18.4

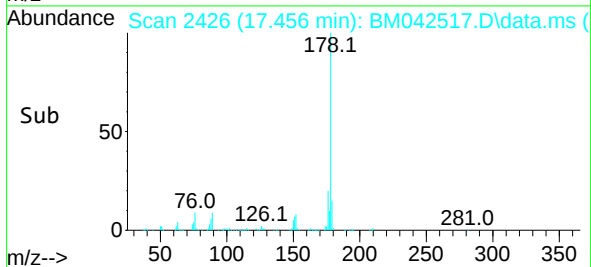
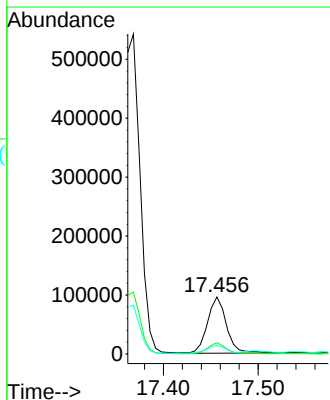
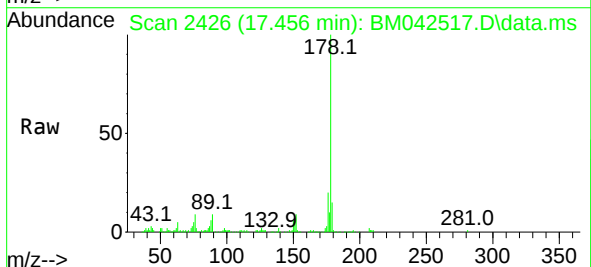
Manual Integrations
APPROVED

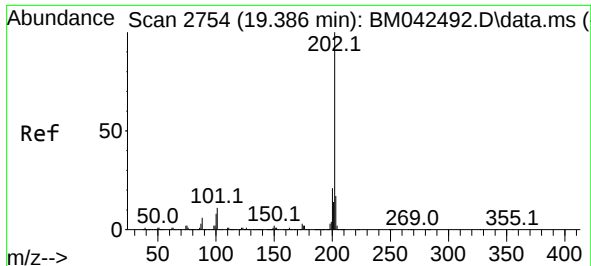
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#72
Anthracene
Concen: 6.558 ng
RT: 17.456 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

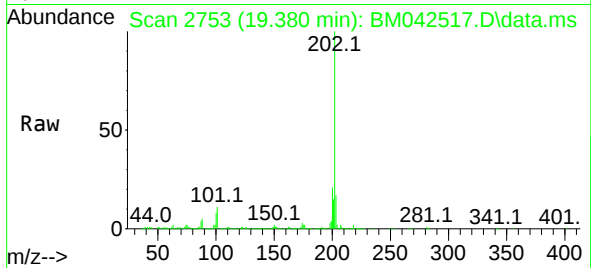
Tgt Ion:178 Resp: 133139
Ion Ratio Lower Upper
178 100
176 19.6 15.2 22.8
179 15.0 12.3 18.5





#75
Fluoranthene
Concen: 23.417 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

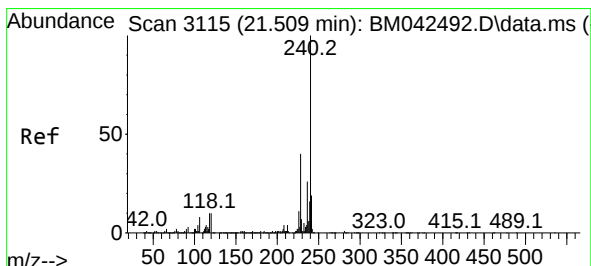
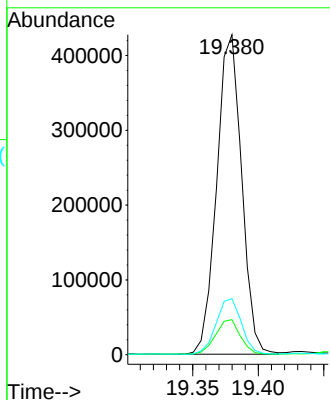
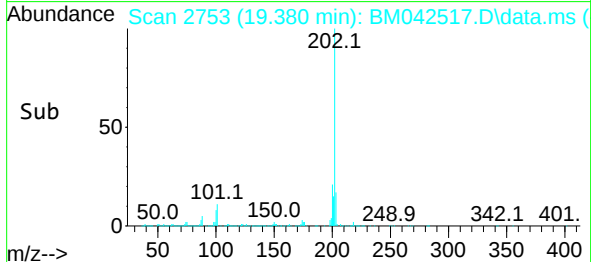
Instrument :
BNA_M
ClientSampleId :
A-1(0-2)



Tgt Ion:202 Resp: 56381
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.5
203 17.5 0.0 37.0

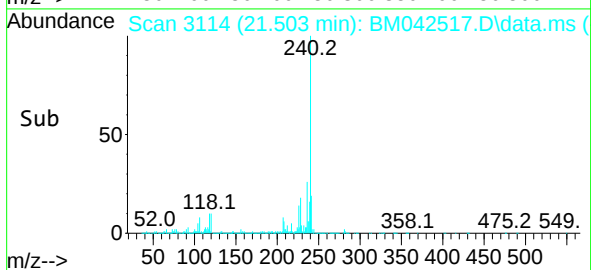
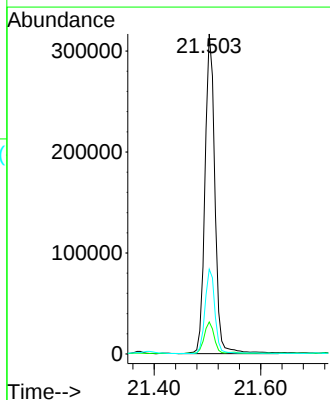
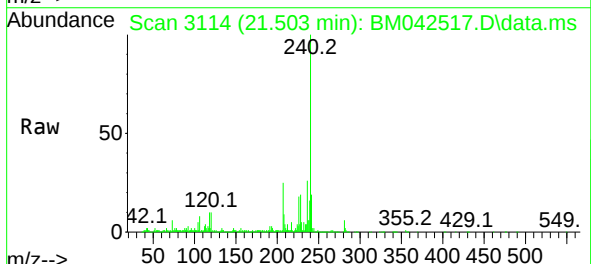
Manual Integrations
APPROVED

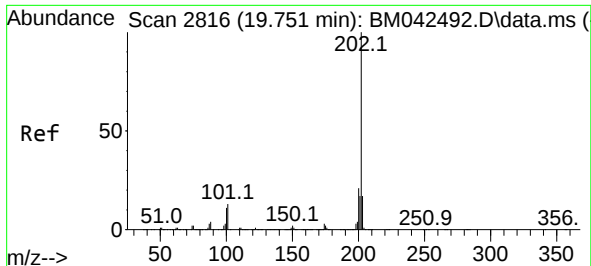
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

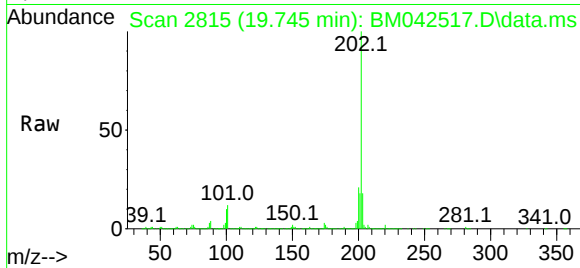
Tgt Ion:240 Resp: 408952
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 26.5 20.8 31.2





#78
Pyrene
Concen: 28.005 ng
RT: 19.745 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

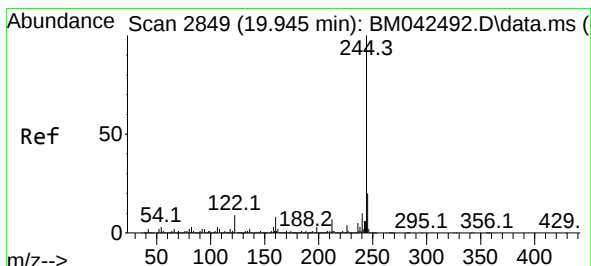
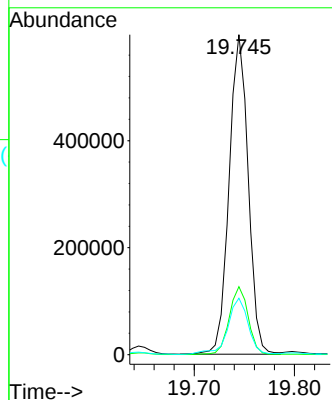
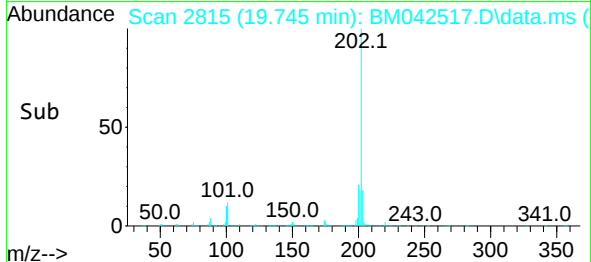
Instrument :
BNA_M
ClientSampleId :
A-1(0-2)



Tgt Ion:202 Resp: 78642
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.7 13.7 20.5

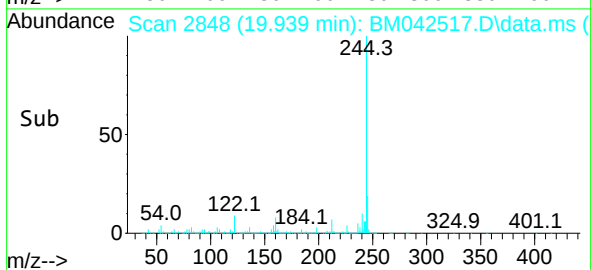
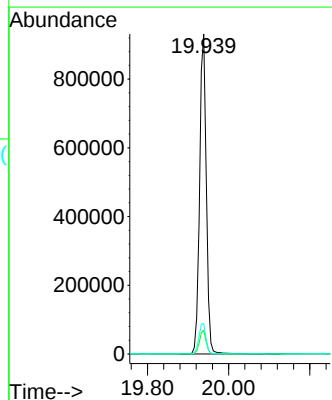
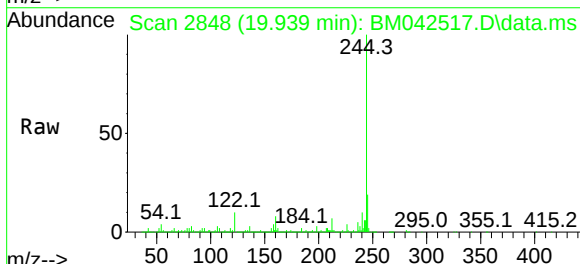
Manual Integrations
APPROVED

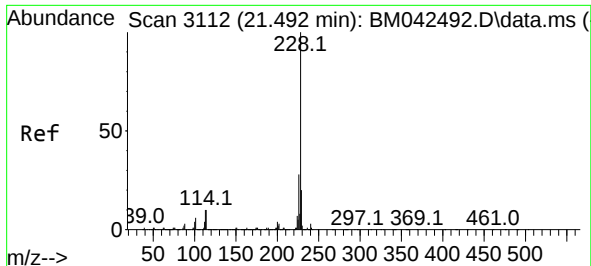
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#79
Terphenyl-d14
Concen: 44.496 ng
RT: 19.939 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

Tgt Ion:244 Resp: 1073174
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.2
122 9.5 7.2 10.8





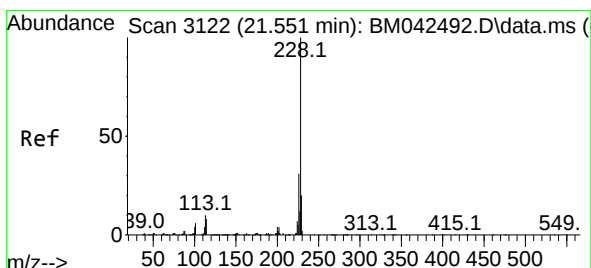
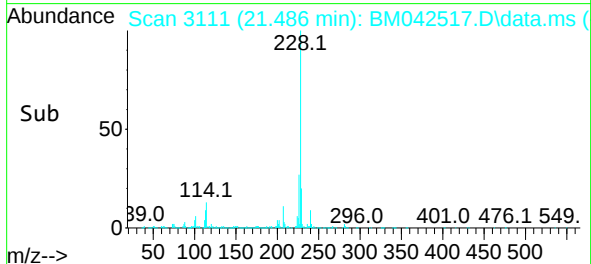
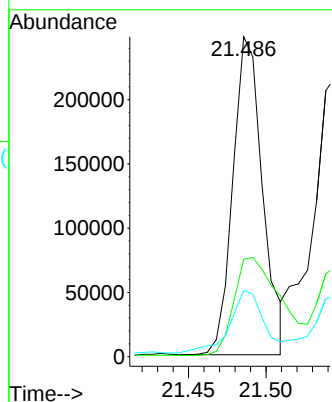
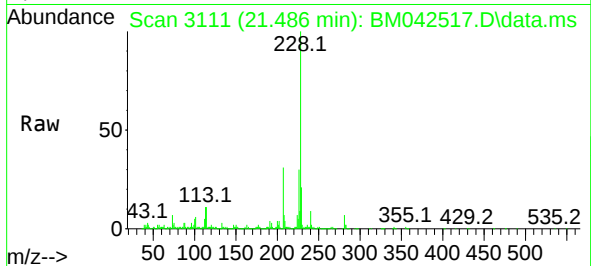
#81
Benzo(a)anthracene
Concen: 12.703 ng
RT: 21.486 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

Instrument :
BNA_M
ClientSampleId :
A-1(0-2)

Tgt Ion:228 Resp: 330529
Ion Ratio Lower Upper
228 100
226 30.5 22.3 33.5
229 20.7 15.8 23.8

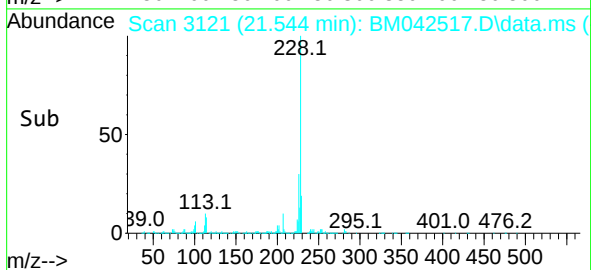
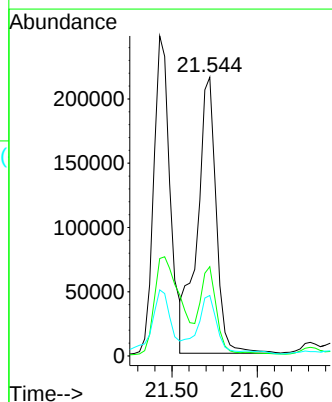
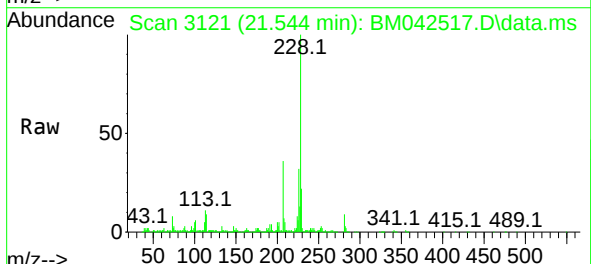
Manual Integrations
APPROVED

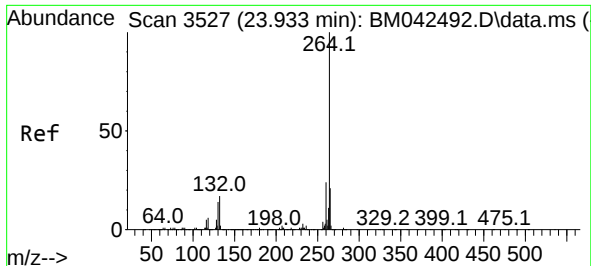
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#83
Chrysene
Concen: 12.570 ng m
RT: 21.544 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

Tgt Ion:228 Resp: 332226
Ion Ratio Lower Upper
228 100
226 32.0 24.4 36.6
229 21.7 15.7 23.5





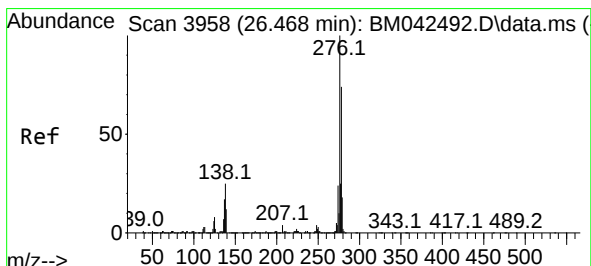
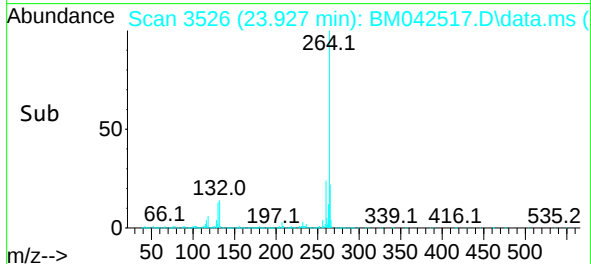
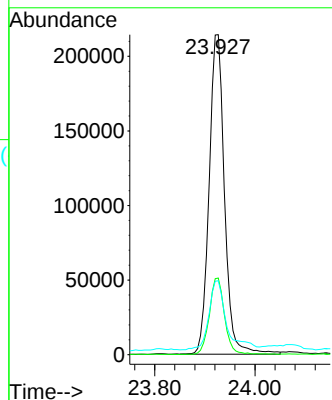
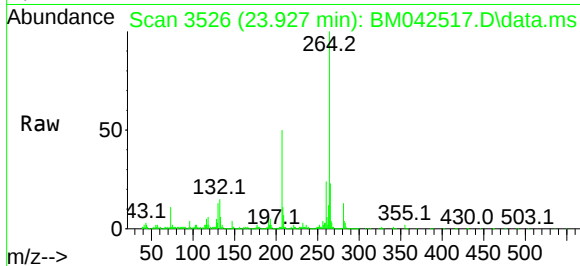
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

Instrument :
BNA_M
ClientSampleId :
A-1(0-2)

Tgt Ion:264 Resp: 457052
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 23.1 18.7 28.1

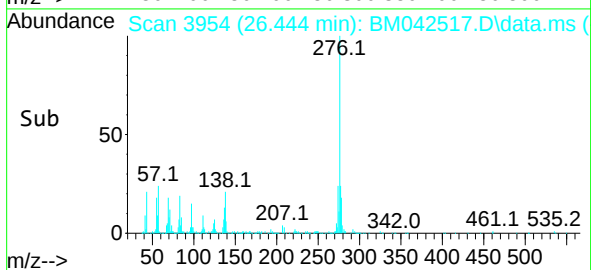
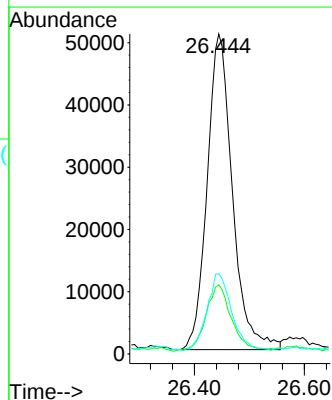
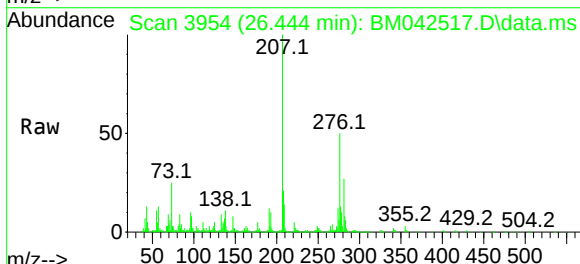
Manual Integrations
APPROVED

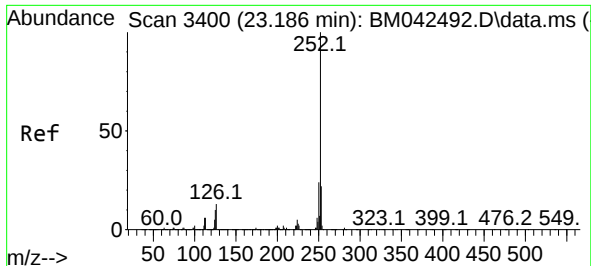
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.951 ng
RT: 26.444 min Scan# 3954
Delta R.T. -0.024 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

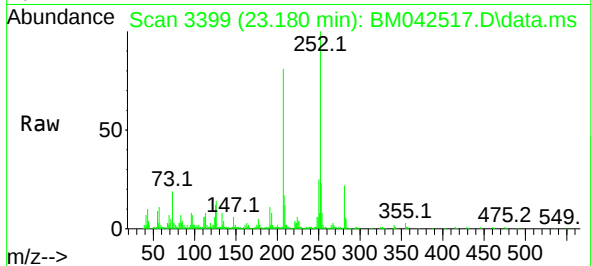
Tgt Ion:276 Resp: 161880
Ion Ratio Lower Upper
276 100
138 21.4 20.6 31.0
277 24.0 19.5 29.3





#88
Benzo(b)fluoranthene
Concen: 12.629 ng m
RT: 23.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

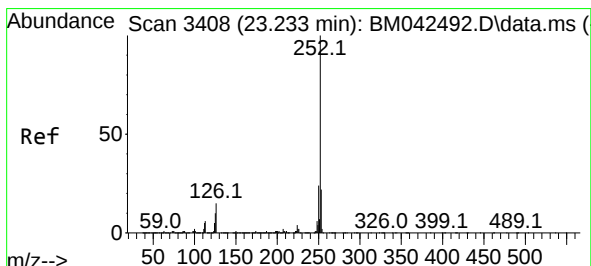
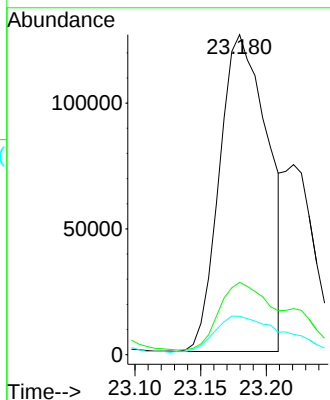
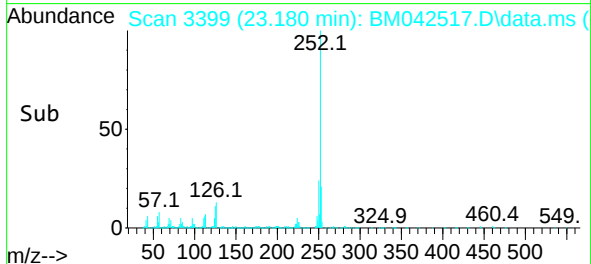
Instrument :
BNA_M
ClientSampleId :
A-1(0-2)



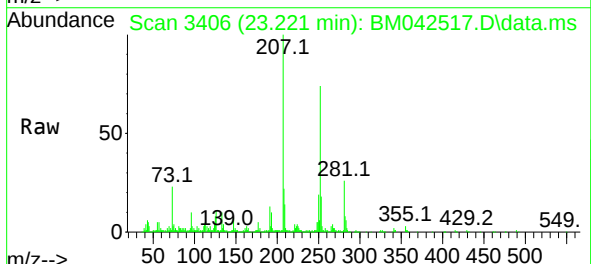
Tgt Ion:252 Resp: 321574
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 12.0 7.8 11.6

Manual Integrations
APPROVED

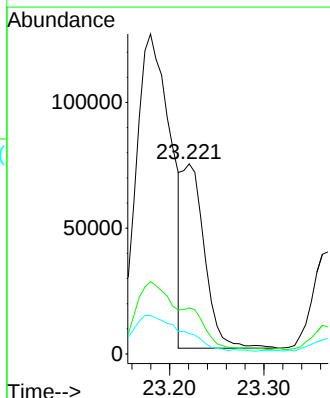
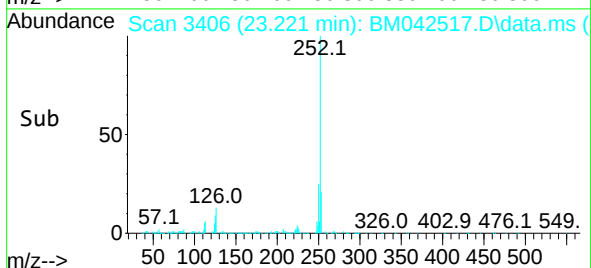
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

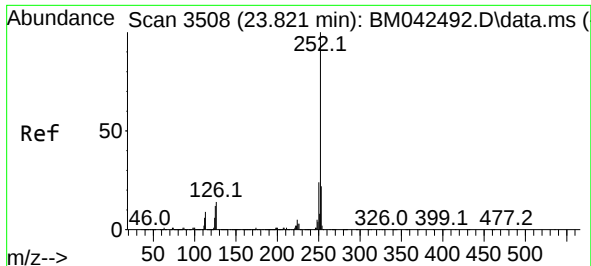


#89
Benzo(k)fluoranthene
Concen: 4.273 ng m
RT: 23.221 min Scan# 3406
Delta R.T. -0.012 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57



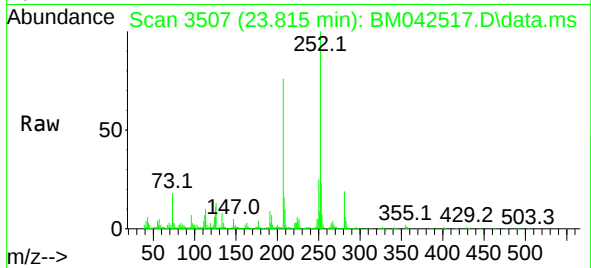
Tgt Ion:252 Resp: 121238
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 10.7 8.2 12.4





#90
Benzo(a)pyrene
Concen: 11.003 ng
RT: 23.815 min Scan# 3507
Delta R.T. -0.006 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

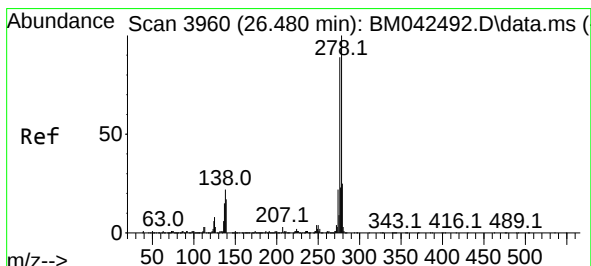
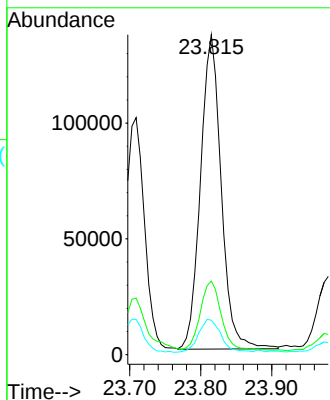
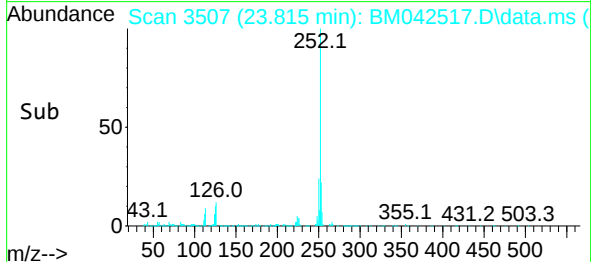
Instrument :
BNA_M
ClientSampleId :
A-1(0-2)



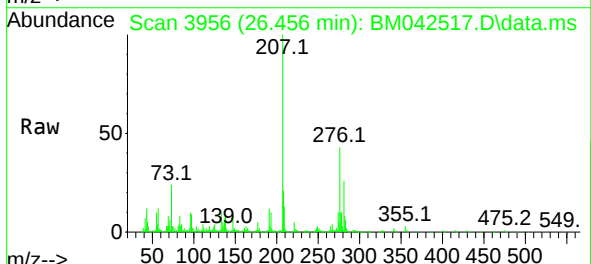
Tgt Ion:252 Resp: 27582
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.7 9.4 14.2

Manual Integrations
APPROVED

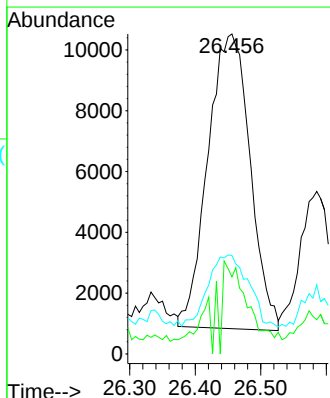
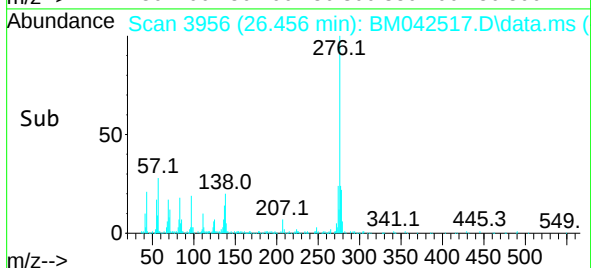
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

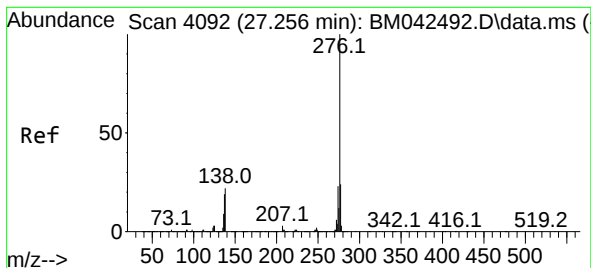


#91
Dibenzo(a,h)anthracene
Concen: 5.714 ng
RT: 26.456 min Scan# 3956
Delta R.T. -0.024 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57



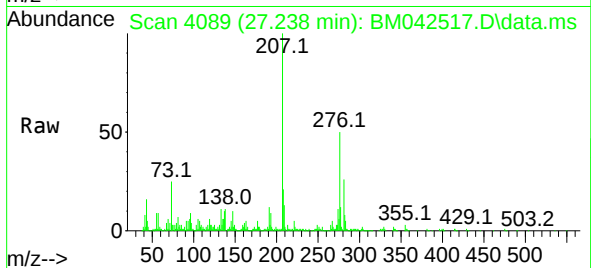
Tgt Ion:278 Resp: 43306
Ion Ratio Lower Upper
278 100
139 24.1 13.4 20.2#
279 30.7 19.7 29.5#





#92
Benzo(g,h,i)perylene
Concen: 7.665 ng
RT: 27.238 min Scan# 4092
Delta R.T. -0.018 min
Lab File: BM042517.D
Acq: 31 Oct 2023 18:57

Instrument :
BNA_M
ClientSampleId :
A-1(0-2)



Tgt Ion: 276 Resp: 18376
Ion Ratio Lower Upper
276 100
277 23.8 19.2 28.8
138 21.0 17.3 25.9

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 11/01/2023
Supervised By : mohammad ahmed 11/01/2023

