

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042571.D
 Acq On : 03 Nov 2023 15:35
 Operator : MA/JU
 Sample : 05171-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-103123

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

Quant Time: Nov 03 16:13:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	52552	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	199040	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	124122	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	280418	20.000	ng	0.00
76) Chrysene-d12	21.497	240	303600	20.000	ng	0.00
86) Perylene-d12	23.915	264	319782	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	227109	69.745	ng	0.00
7) Phenol-d6	7.075	99	354507	79.382	ng	0.00
23) Nitrobenzene-d5	9.110	82	244818	57.338	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	39209	24.195	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	494429	53.601	ng	0.00
79) Terphenyl-d14	19.933	244	964597	53.873	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.615	166	23211	2.522	ng	97
71) Phenanthrene	17.362	178	334992	22.859	ng	99
72) Anthracene	17.451	178	87475	6.027	ng	98
75) Fluoranthene	19.374	202	725522	42.147	ng	99
78) Pyrene	19.739	202	617803	29.635	ng	99
81) Benzo(a)anthracene	21.480	228	300362	15.549	ng	98
83) Chrysene	21.539	228	299815	15.280	ng	96
87) Indeno(1,2,3-cd)pyrene	26.438	276	159976	8.405	ng	# 92
88) Benzo(b)fluoranthene	23.168	252	372004	20.881	ng	98
89) Benzo(k)fluoranthene	23.215	252	124204m	6.256	ng	
90) Benzo(a)pyrene	23.803	252	240334	13.702	ng	97
92) Benzo(g,h,i)perylene	27.226	276	169494	10.104	ng	# 95

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

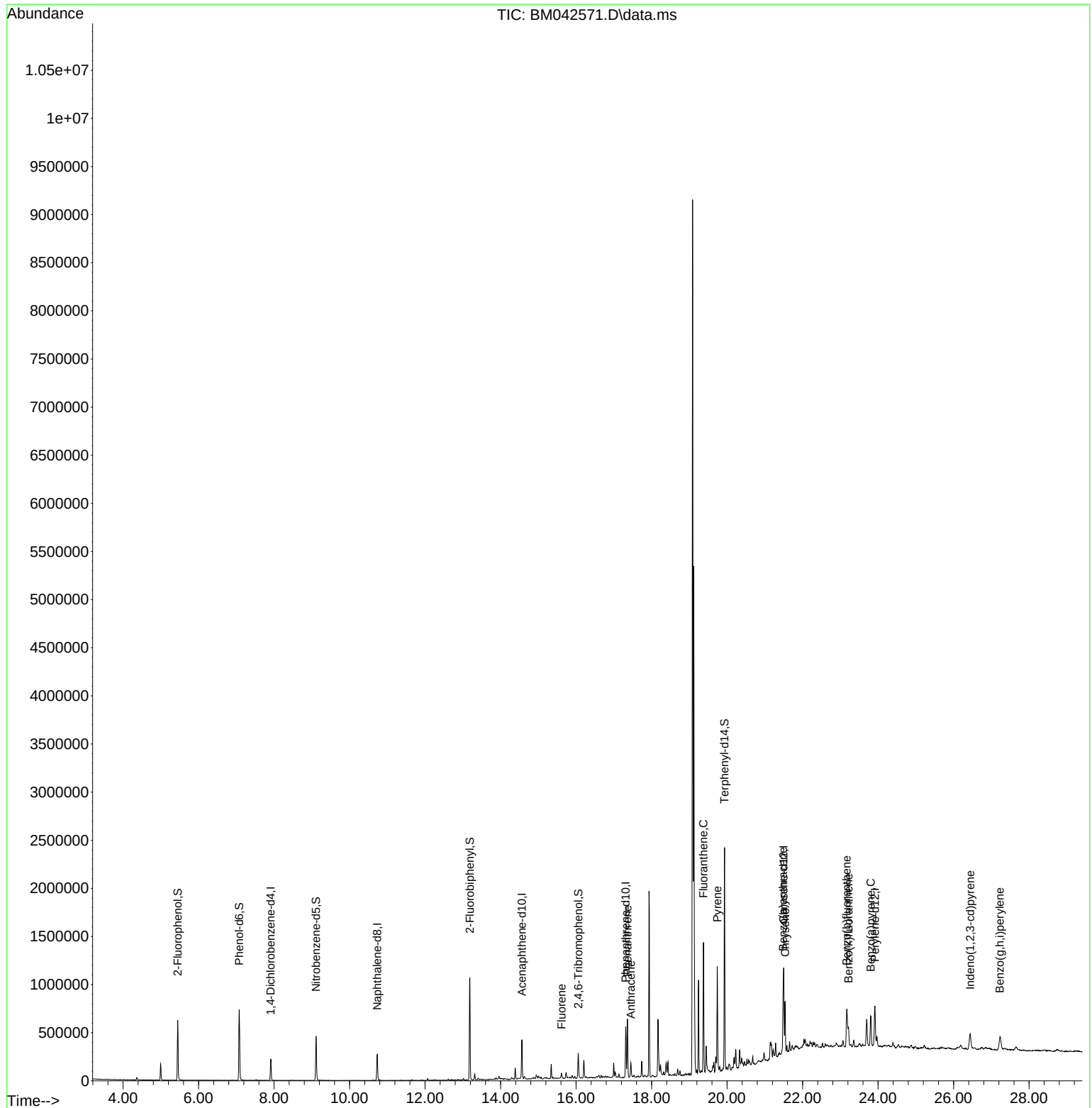
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042571.D
Acq On : 03 Nov 2023 15:35
Operator : MA/JU
Sample : 05171-01
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ALS Vial : 6 Sample Multiplier: 1

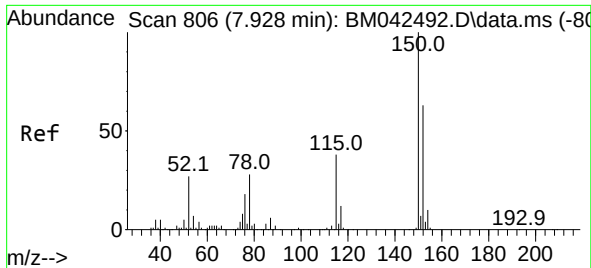
Instrument :
BNA_M
ClientSampleId :
TR-05-103123

Quant Time: Nov 03 16:13:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:52:20 2023
Response via : Initial Calibration

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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

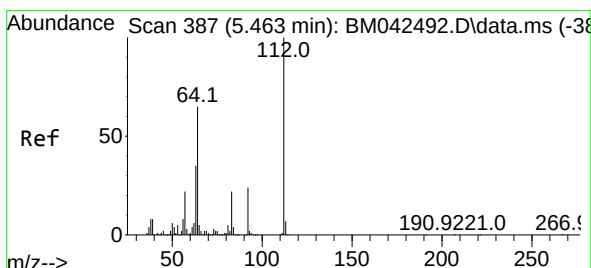
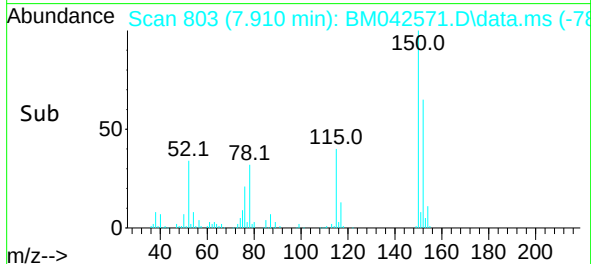
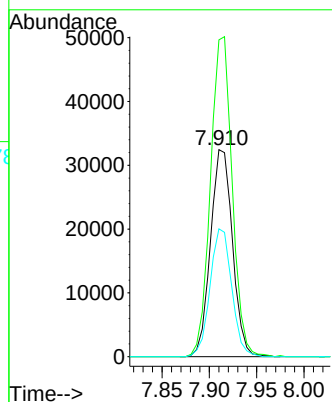
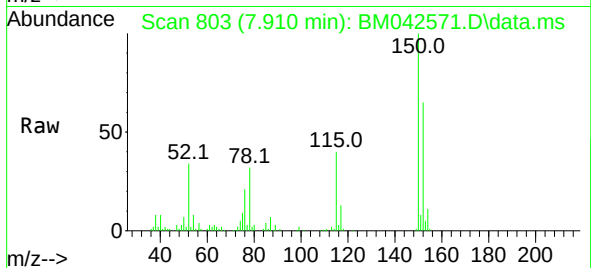
ClientSampleId :

TR-05-103123

Tgt Ion:152 Resp: 52552
Ion Ratio Lower Upper
152 100
150 153.0 127.4 191.0
115 61.7 47.9 71.9

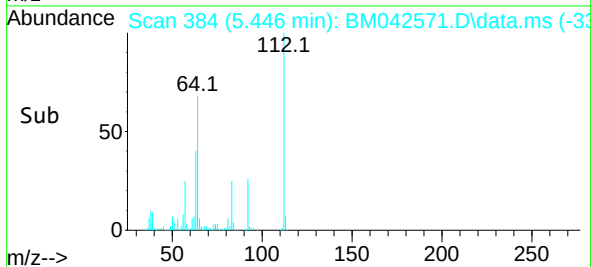
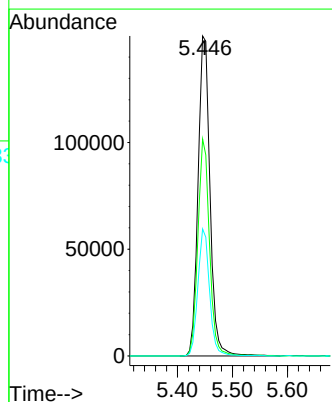
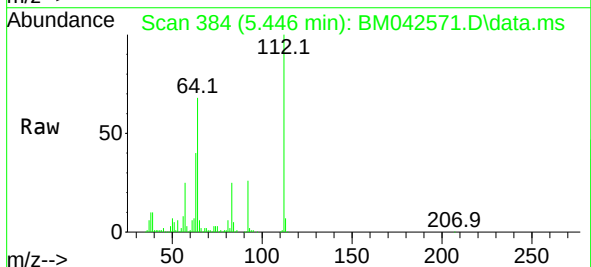
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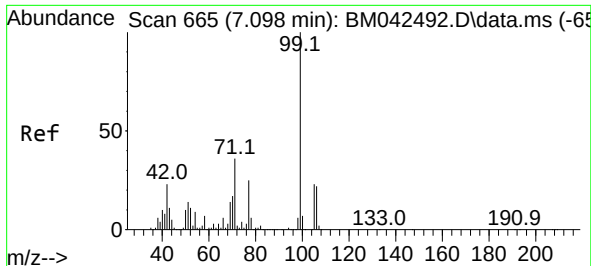
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#5
2-Fluorophenol
Concen: 69.745 ng
RT: 5.446 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:112 Resp: 227109
Ion Ratio Lower Upper
112 100
64 67.8 52.1 78.1
63 39.7 28.3 42.5





#7
Phenol-d6
Concen: 79.382 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

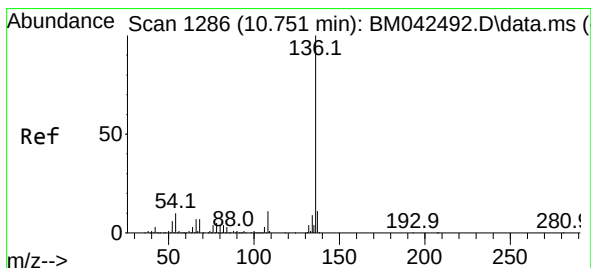
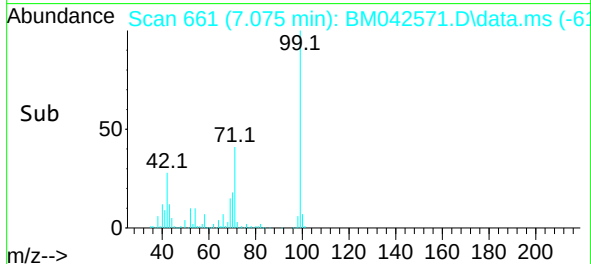
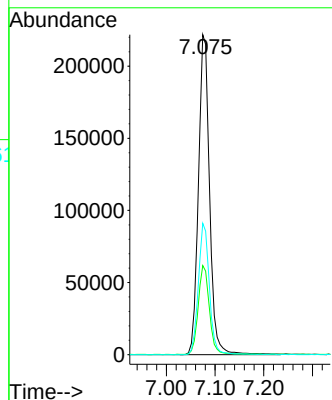
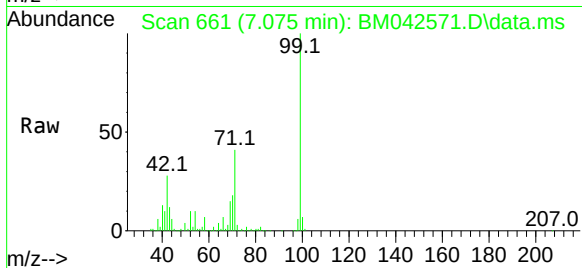
TR-05-103123

Tgt Ion: 99 Resp: 35450
Ion Ratio Lower Upper
99 100
42 27.9 18.7 28.1
71 41.1 29.1 43.7

Manual Integrations

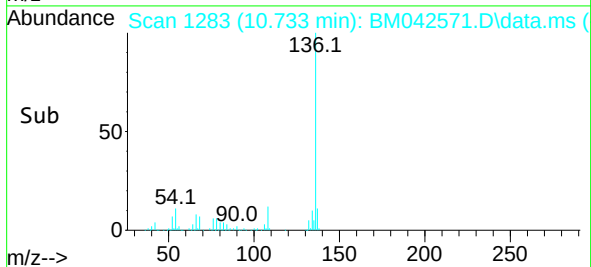
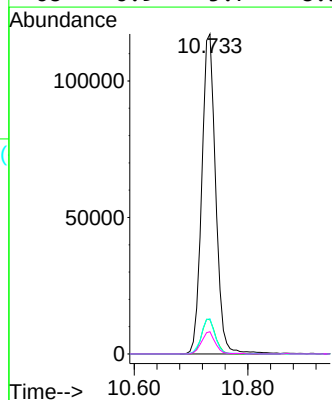
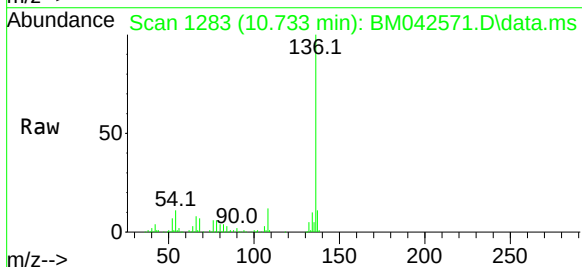
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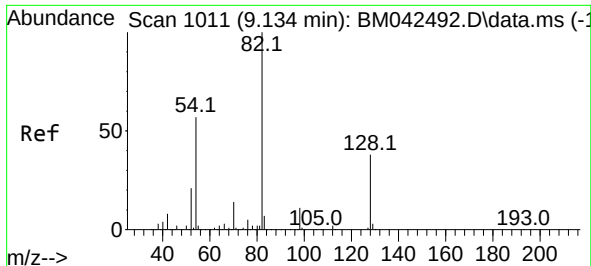
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1283
Delta R.T. 0.005 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:136 Resp: 199040
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 11.0 8.0 12.0
68 6.9 5.7 8.5





#23
Nitrobenzene-d5
Concen: 57.338 ng
RT: 9.110 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

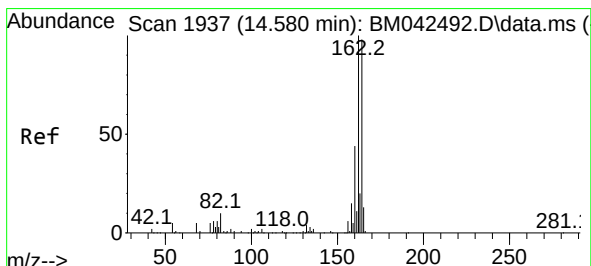
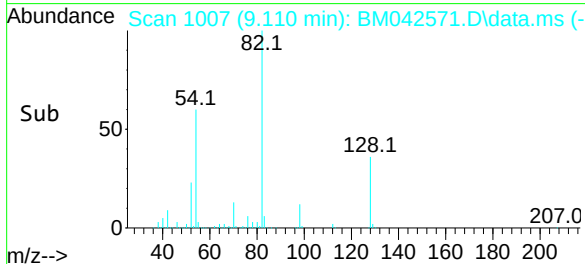
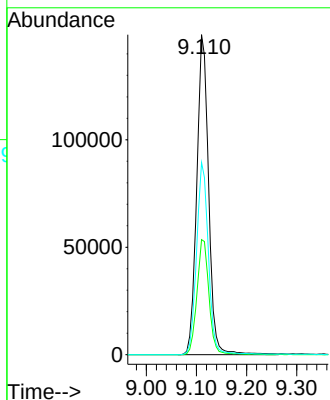
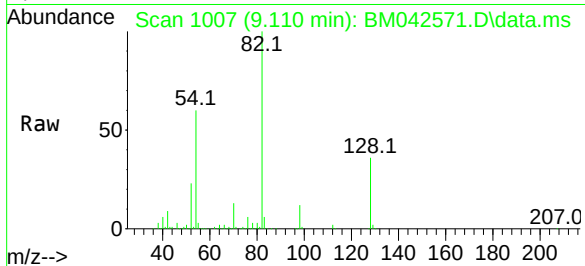
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Tgt Ion: 82 Resp: 244818
Ion Ratio Lower Upper
82 100
128 36.0 30.7 46.1
54 60.0 45.3 67.9

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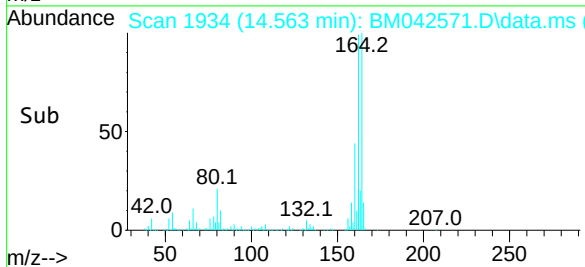
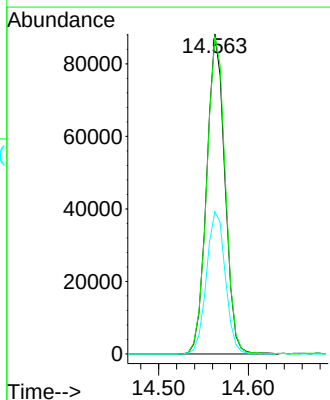
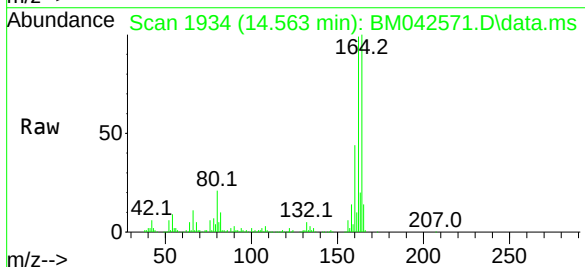
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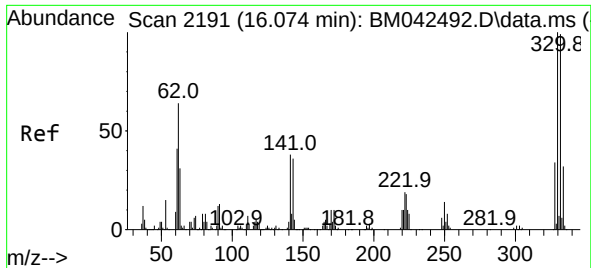
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:164 Resp: 124122
Ion Ratio Lower Upper
164 100
162 99.1 81.6 122.4
160 44.5 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 24.195 ng
RT: 16.057 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

TR-05-103123

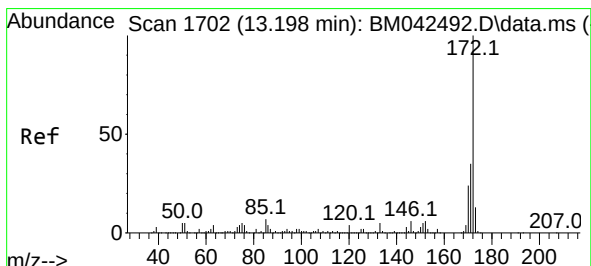
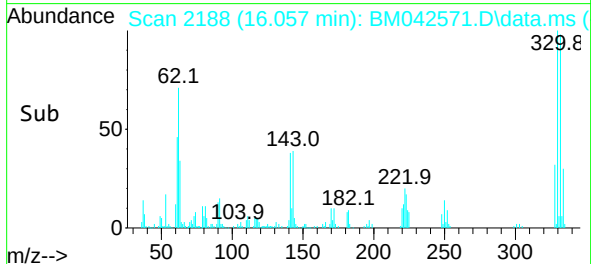
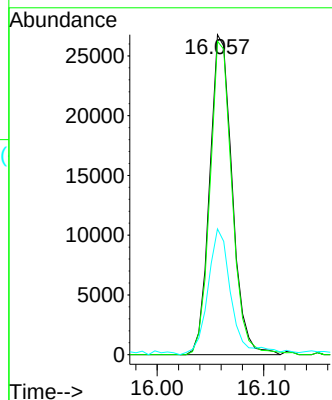
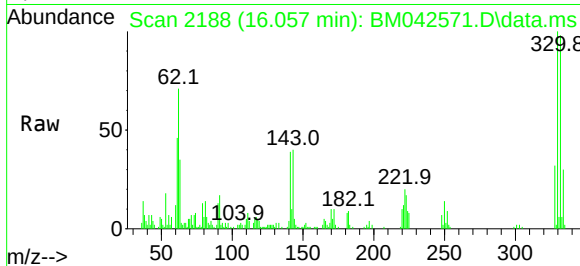
Tgt Ion:330 Resp: 39209
Ion Ratio Lower Upper
330 100
332 96.1 78.8 118.2
141 41.3 31.1 46.7

Manual Integrations

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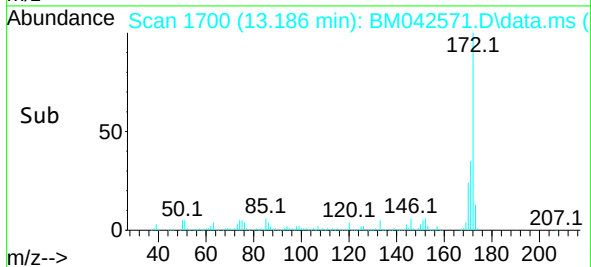
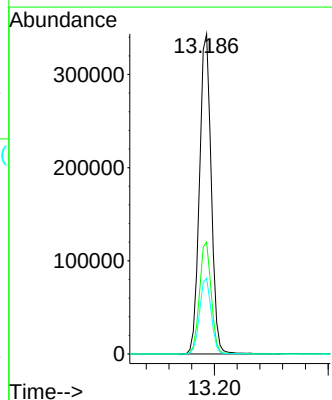
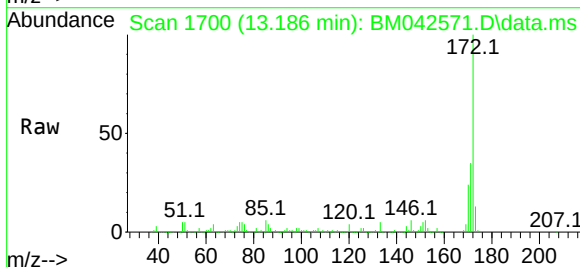
Reviewed By :Yogesh Patel 11/04/2023

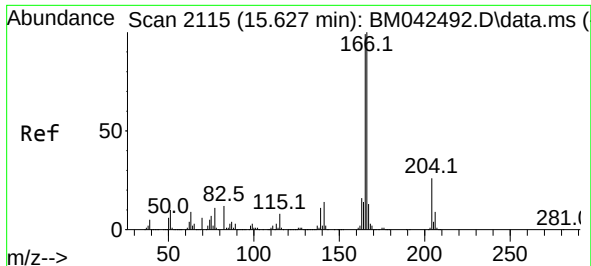
Supervised By :mohammad ahmed 11/04/2023



#45
2-Fluorobiphenyl
Concen: 53.601 ng
RT: 13.186 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:172 Resp: 494429
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.6 19.0 28.4





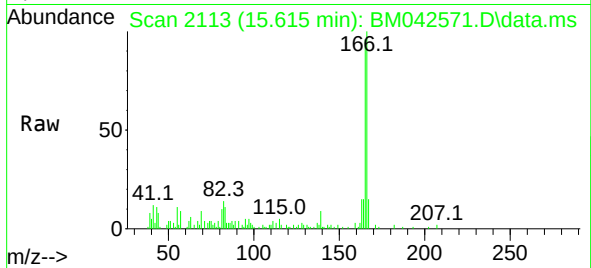
#58
 Fluorene
 Concen: 2.522 ng
 RT: 15.615 min Scan# 2113
 Delta R.T. -0.000 min
 Lab File: BM042571.D
 Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

TR-05-103123

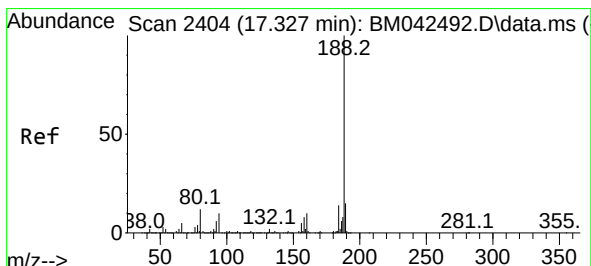
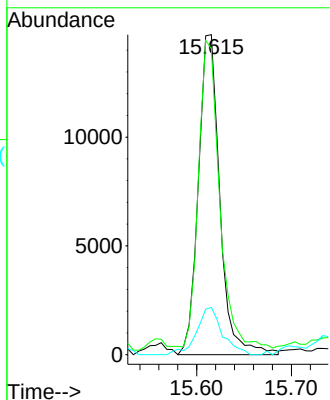
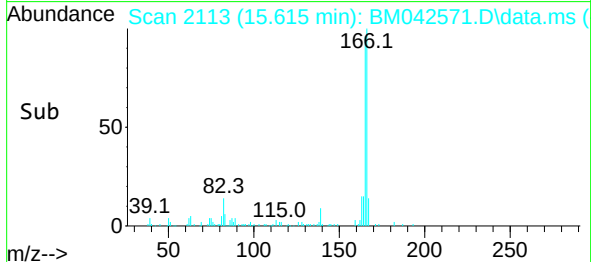


Tgt Ion:166 Resp: 2321
 Ion Ratio Lower Upper
 166 100
 165 95.7 79.3 118.9
 167 14.7 10.5 15.7

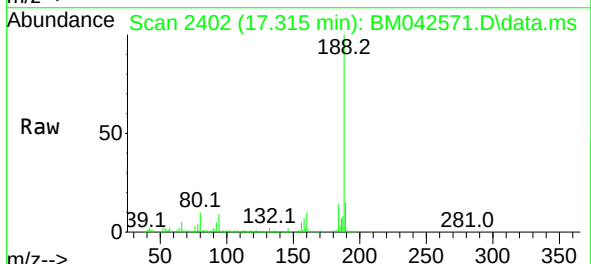
Manual Integrations

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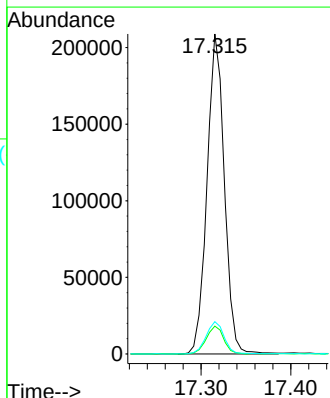
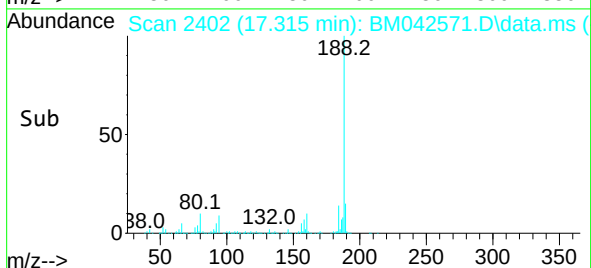
Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

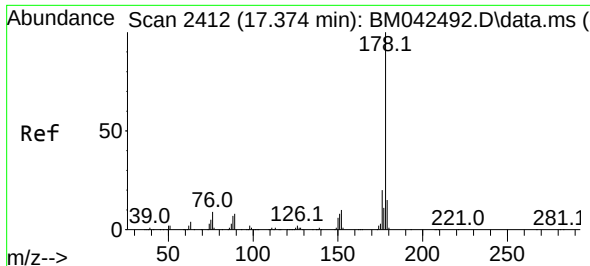


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.315 min Scan# 2402
 Delta R.T. -0.000 min
 Lab File: BM042571.D
 Acq: 03 Nov 2023 15:35



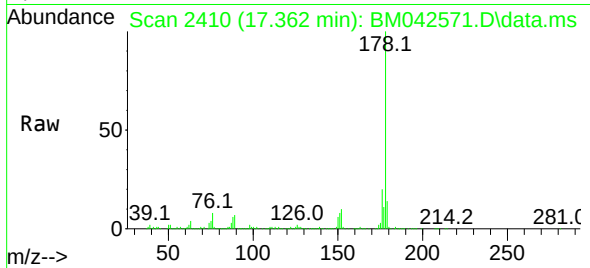
Tgt Ion:188 Resp: 280418
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.2 12.4
 80 10.1 9.4 14.2





#71
Phenanthrene
Concen: 22.859 ng
RT: 17.362 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

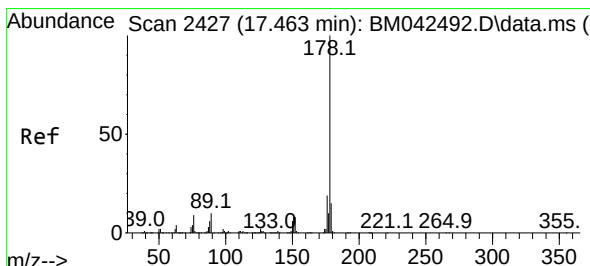
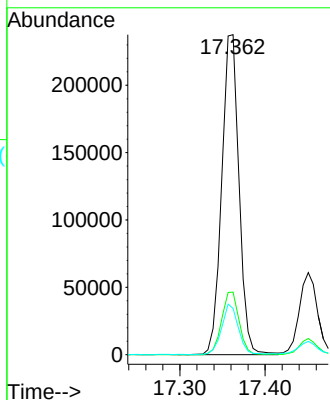
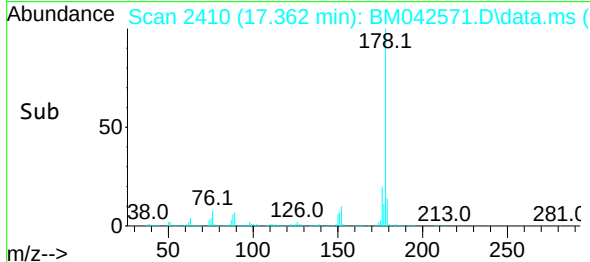
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BNA_M
ClientSampleId :
TR-05-103123



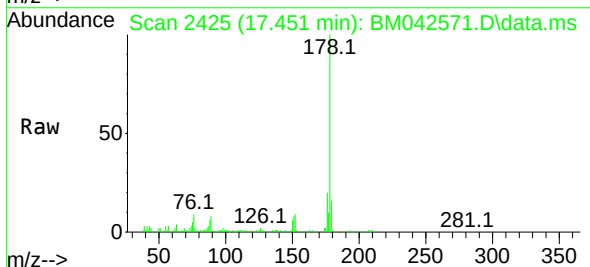
Tgt Ion:178 Resp: 334992
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.5 12.2 18.4

Manual Integrations
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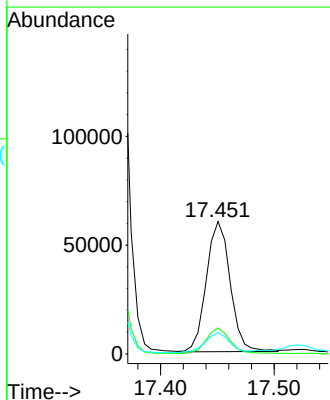
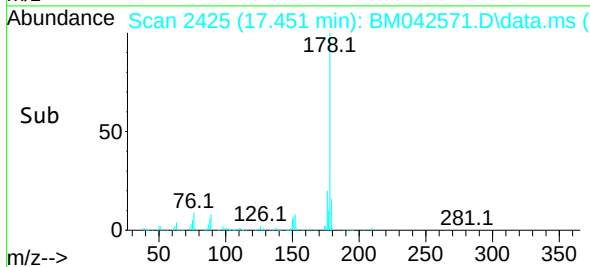
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

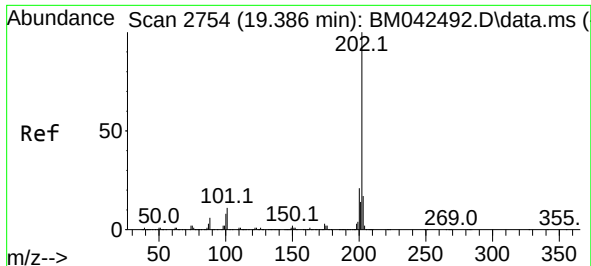


#72
Anthracene
Concen: 6.027 ng
RT: 17.451 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35



Tgt Ion:178 Resp: 87475
Ion Ratio Lower Upper
178 100
176 19.7 15.2 22.8
179 16.1 12.3 18.5





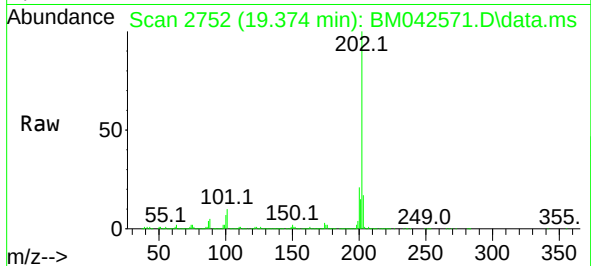
#75
Fluoranthene
Concen: 42.147 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

TR-05-103123



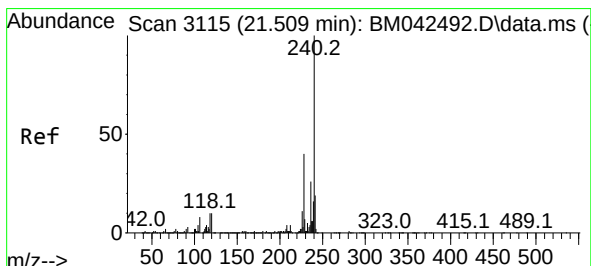
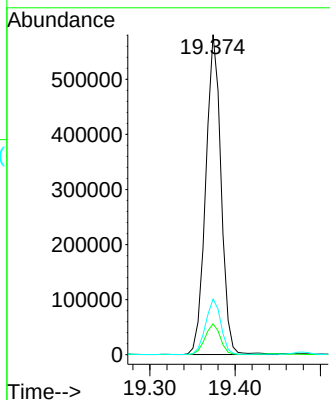
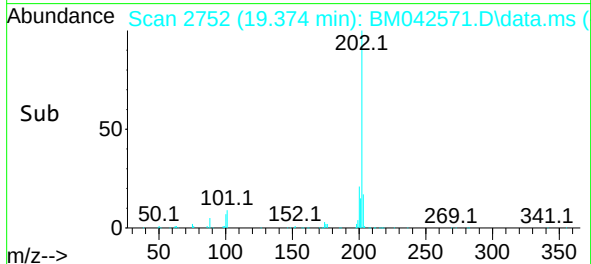
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Ion Ratio Lower Upper
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203 17.4 0.0 37.0

Manual Integrations

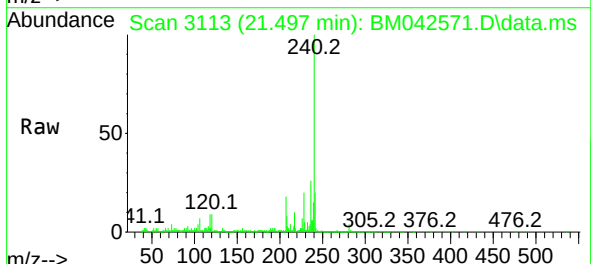
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Reviewed By :Yogesh Patel 11/04/2023

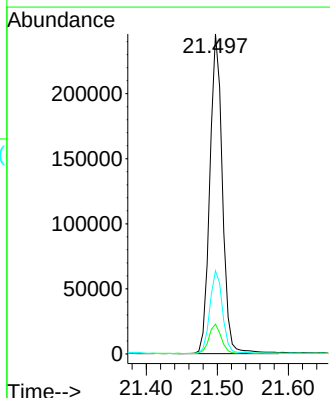
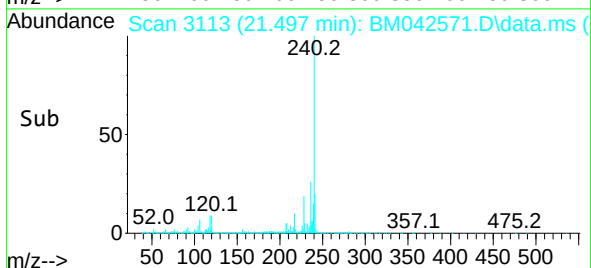
Supervised By :mohammad ahmed 11/04/2023

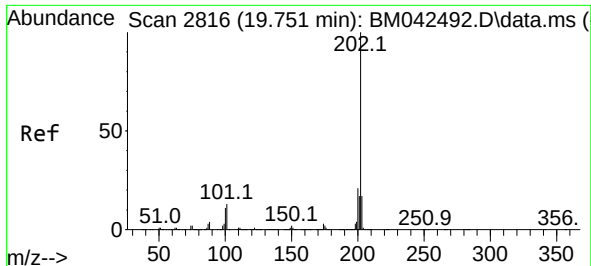


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.497 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35



Tgt Ion:240 Resp: 303600
Ion Ratio Lower Upper
240 100
120 9.3 8.3 12.5
236 26.0 20.8 31.2





#78
Pyrene
Concen: 29.635 ng
RT: 19.739 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

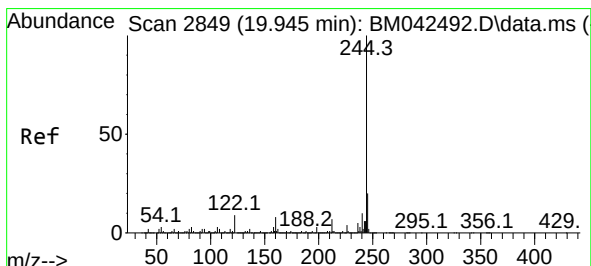
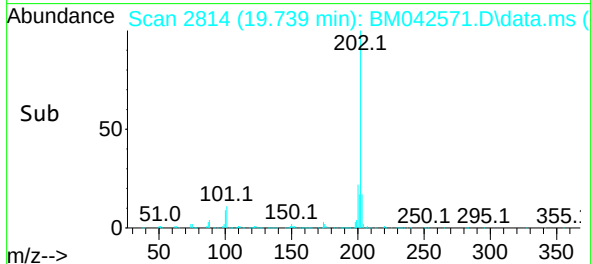
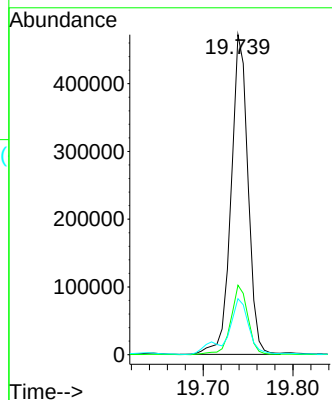
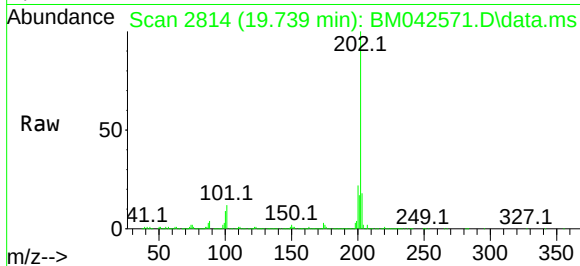
TR-05-103123

Tgt Ion:202 Resp: 61780
Ion Ratio Lower Upper
202 100
200 21.7 16.9 25.3
203 17.5 13.7 20.5

Manual Integrations

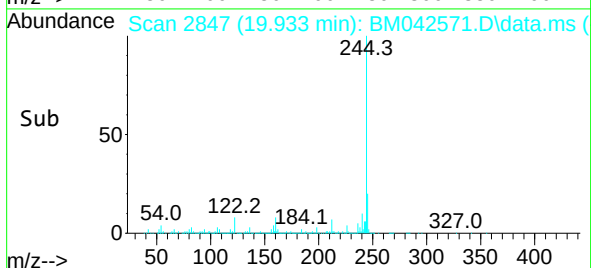
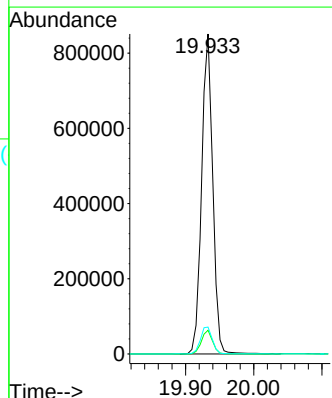
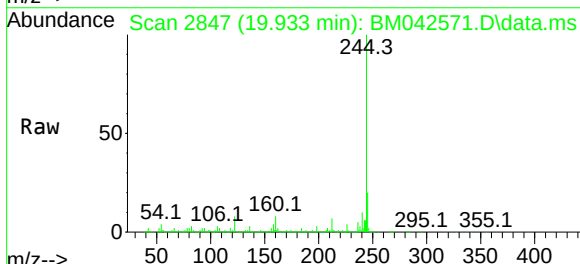
APPROVED

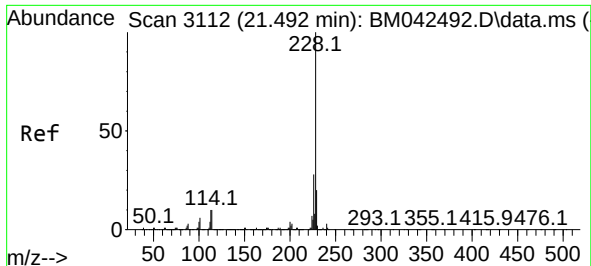
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#79
Terphenyl-d14
Concen: 53.873 ng
RT: 19.933 min Scan# 2847
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

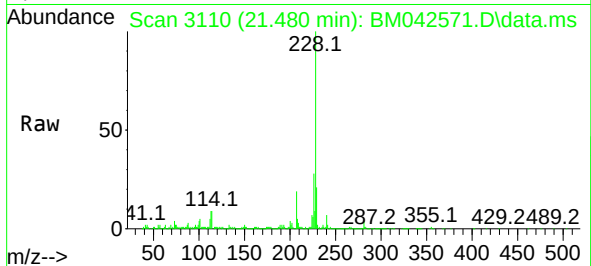
Tgt Ion:244 Resp: 964597
Ion Ratio Lower Upper
244 100
212 7.4 5.4 8.2
122 8.4 7.2 10.8





#81
Benzo(a)anthracene
Concen: 15.549 ng
RT: 21.480 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

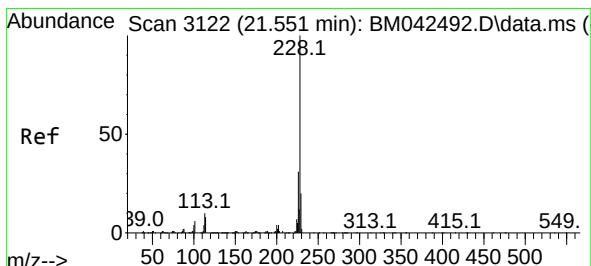
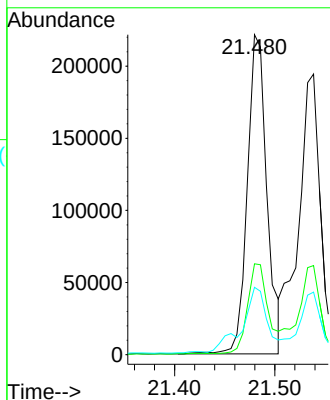
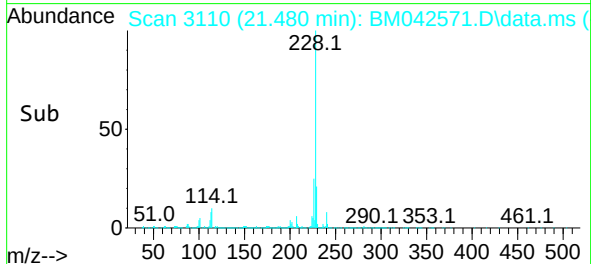
Instrument :
BNA_M
ClientSampleId :
TR-05-103123



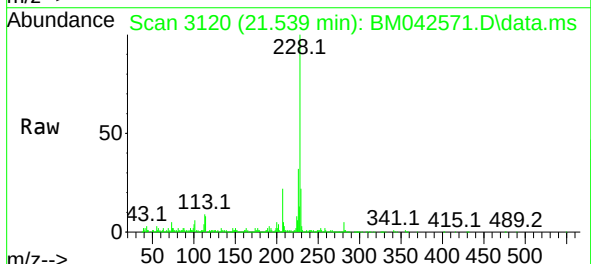
Tgt Ion:228 Resp: 300362
Ion Ratio Lower Upper
228 100
226 28.4 22.3 33.5
229 21.1 15.8 23.8

Manual Integrations
APPROVED

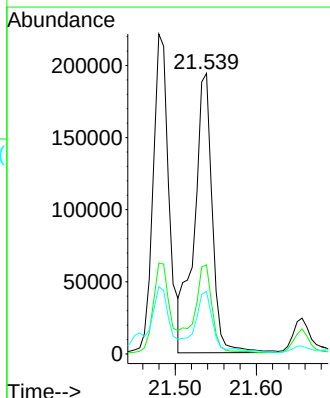
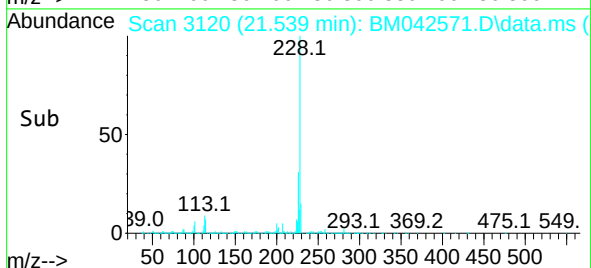
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

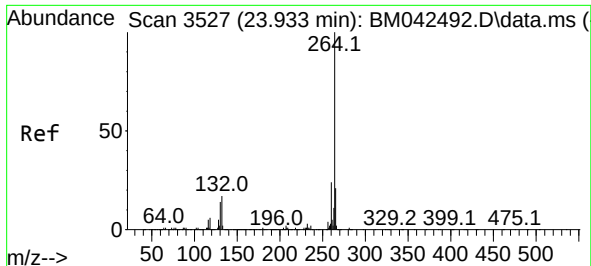


#83
Chrysene
Concen: 15.280 ng
RT: 21.539 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35



Tgt Ion:228 Resp: 299815
Ion Ratio Lower Upper
228 100
226 31.8 24.4 36.6
229 22.3 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.915 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

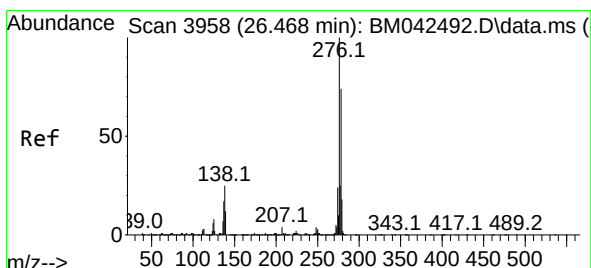
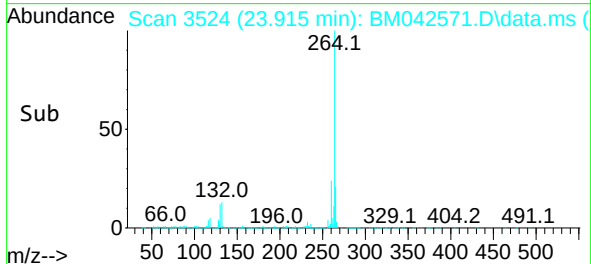
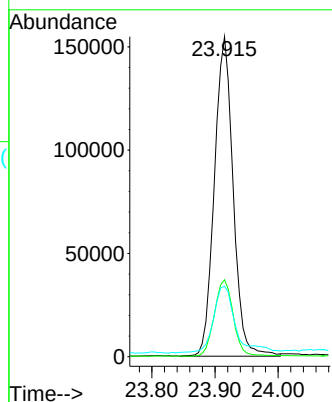
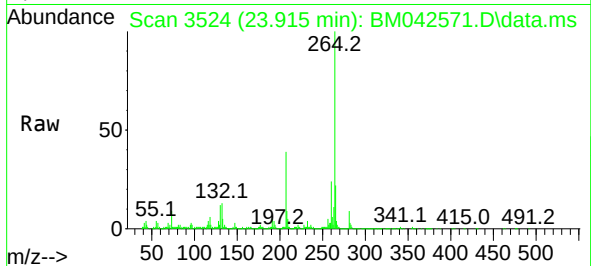
ClientSampleId :

TR-05-103123

Tgt Ion:264 Resp: 31978
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 22.0 18.7 28.1

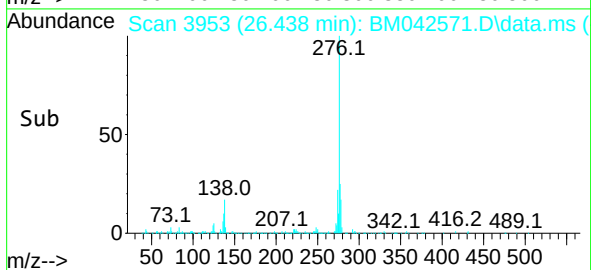
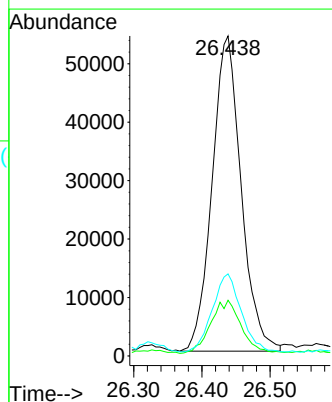
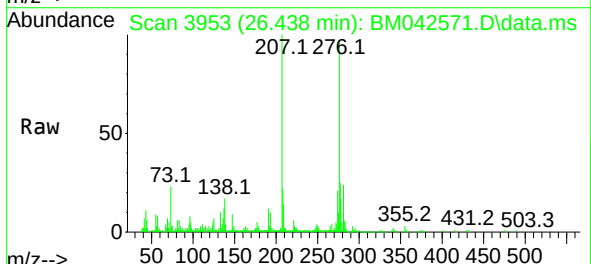
Manual Integrations
APPROVED

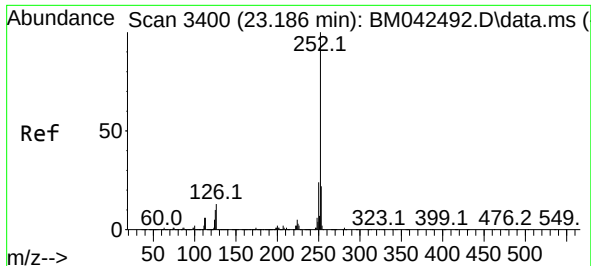
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.405 ng
RT: 26.438 min Scan# 3953
Delta R.T. -0.012 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:276 Resp: 159976
Ion Ratio Lower Upper
276 100
138 17.7 20.6 31.0#
277 24.6 19.5 29.3





#88
Benzo(b)fluoranthene
Concen: 20.881 ng
RT: 23.168 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

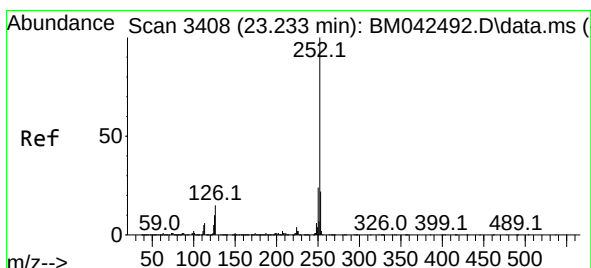
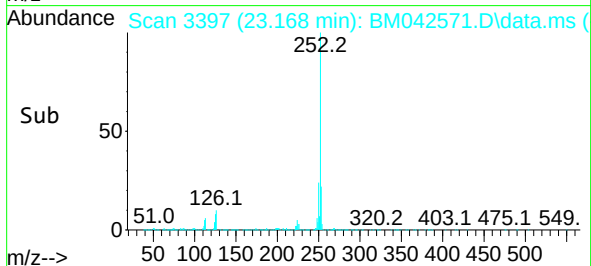
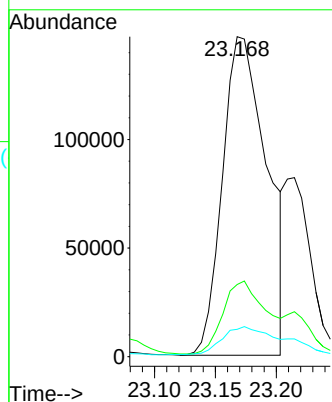
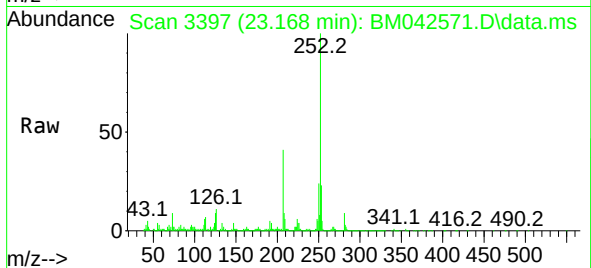
TR-05-103123

Tgt Ion:252 Resp: 372004
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.6 7.8 11.6

Manual Integrations

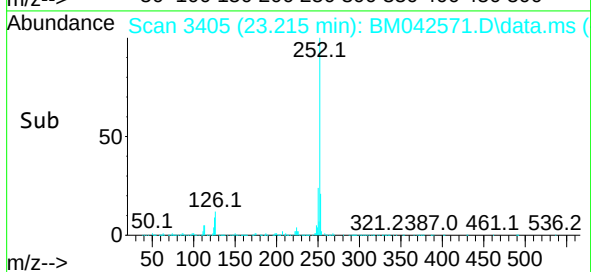
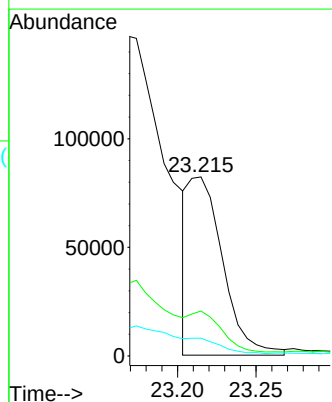
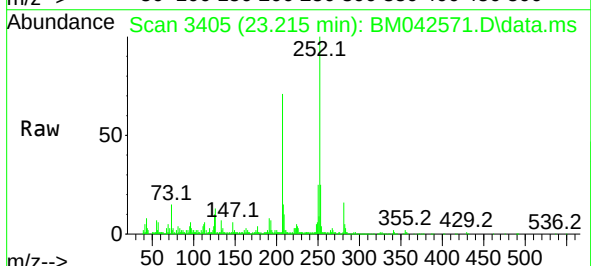
APPROVED

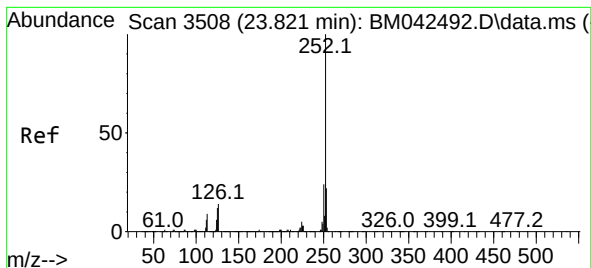
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#89
Benzo(k)fluoranthene
Concen: 6.256 ng m
RT: 23.215 min Scan# 3405
Delta R.T. -0.006 min
Lab File: BM042571.D
Acq: 03 Nov 2023 15:35

Tgt Ion:252 Resp: 124204
Ion Ratio Lower Upper
252 100
253 25.1 17.6 26.4
125 9.9 8.2 12.4





#90

Benzo(a)pyrene

Concen: 13.702 ng

RT: 23.803 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

Instrument :

BNA_M

ClientSampleId :

TR-05-103123

Tgt Ion:252 Resp: 240334

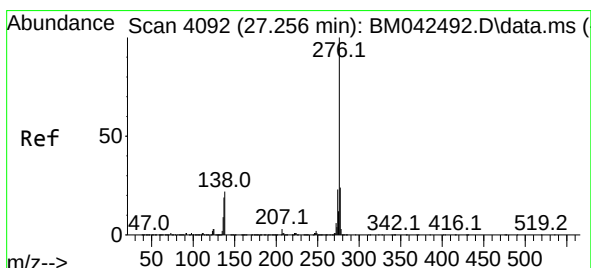
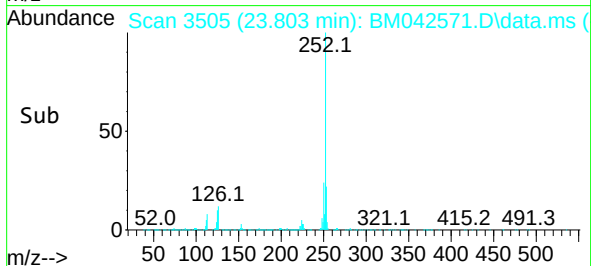
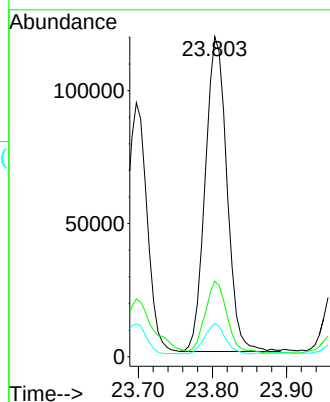
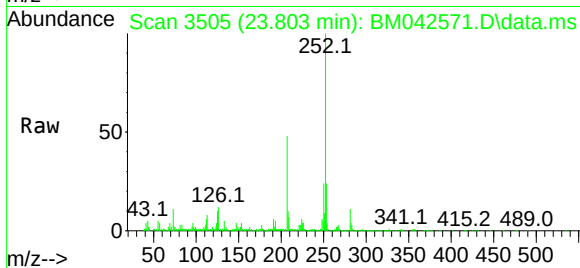
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	10.4	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#92

Benzo(g,h,i)perylene

Concen: 10.104 ng

RT: 27.226 min Scan# 4087

Delta R.T. -0.018 min

Lab File: BM042571.D

Acq: 03 Nov 2023 15:35

Tgt Ion:276 Resp: 169494

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	16.6	17.3	25.9

