

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110223\
 Data File : BM042563.D
 Acq On : 02 Nov 2023 16:13
 Operator : MA/JU
 Sample : 04938-15DL 200X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A-8(0-2)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023

Quant Time: Nov 02 22:41:41 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	51705	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	193238	20.000	ng	-0.01
39) Acenaphthene-d10	14.574	164	117290	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	255290	20.000	ng	0.00
76) Chrysene-d12	21.509	240	276774	20.000	ng	# 0.00
86) Perylene-d12	23.927	264	318471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1192	0.372	ng	0.00
7) Phenol-d6	7.098	99	775	0.176	ng	0.00
23) Nitrobenzene-d5	9.139	82	753	0.182	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	351	0.229	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	1881	0.216	ng	0.00
79) Terphenyl-d14	19.939	244	5401	0.331	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.368	178	244392	18.319	ng	100
72) Anthracene	17.456	178	45021	3.407	ng	97
73) Carbazole	17.750	167	27702	2.577	ng	99
75) Fluoranthene	19.380	202	535606	34.177	ng	99
78) Pyrene	19.744	202	456195	24.004	ng	100
81) Benzo(a)anthracene	21.491	228	235031	13.347	ng	99
83) Chrysene	21.544	228	213414	11.931	ng	98
87) Indeno(1,2,3-cd)pyrene	26.456	276	151109	7.972	ng	# 90
88) Benzo(b)fluoranthene	23.180	252	312548	17.616	ng	99
89) Benzo(k)fluoranthene	23.227	252	107722m	5.449	ng	
90) Benzo(a)pyrene	23.821	252	210700	12.062	ng	96
91) Dibenzo(a,h)anthracene	26.468	278	32771	5.849	ng	# 92
92) Benzo(g,h,i)perylene	27.250	276	151243	9.053	ng	98

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

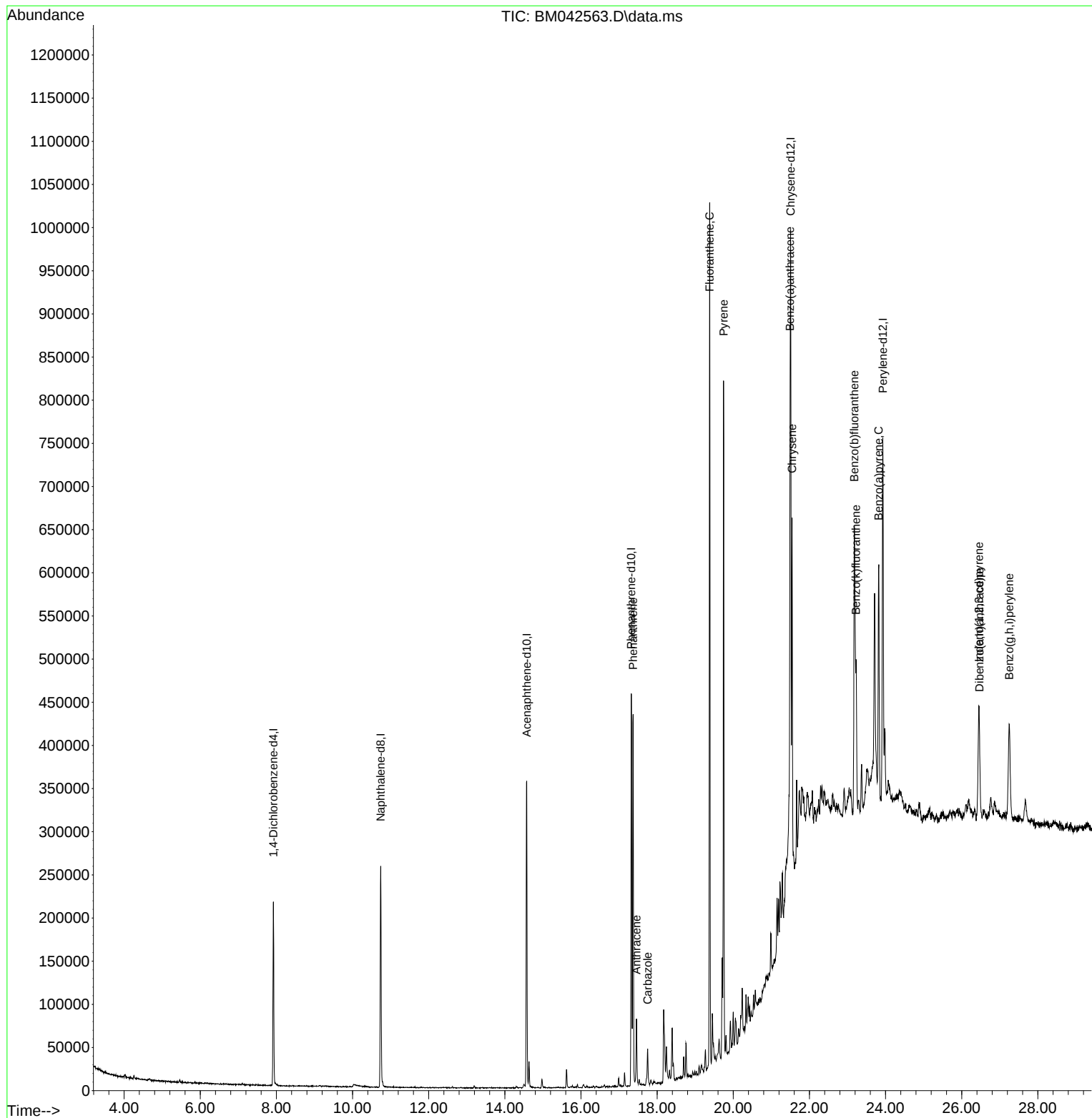
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110223\
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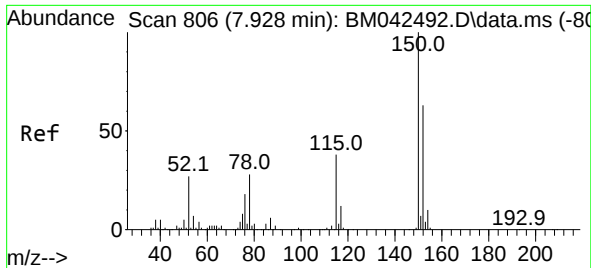
Instrument :
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A-8(0-2)DL

Quant Time: Nov 02 22:41:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
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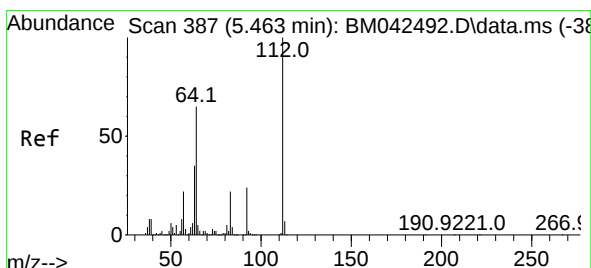
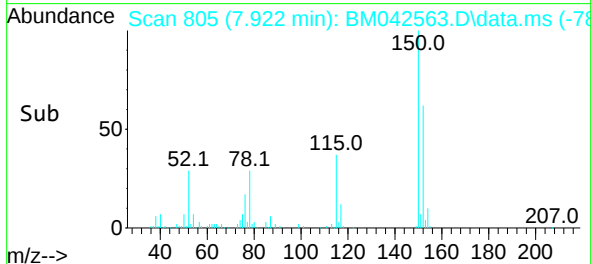
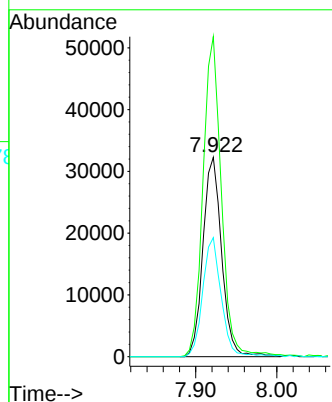
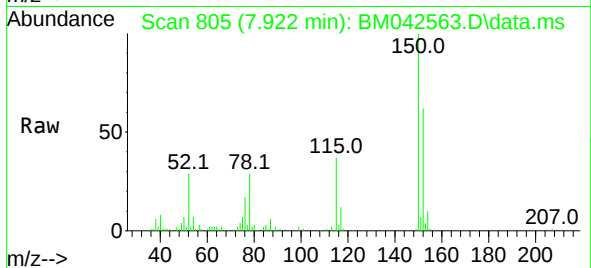
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL

Tgt Ion:152 Resp: 5170
Ion Ratio Lower Upper
152 100
150 160.5 127.4 191.0
115 59.7 47.9 71.9

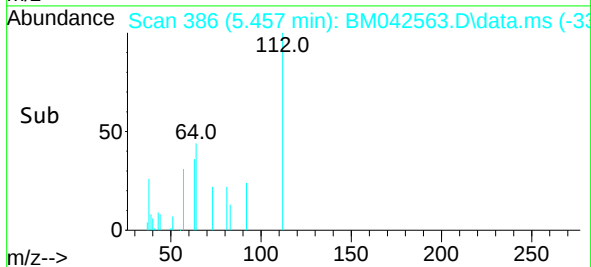
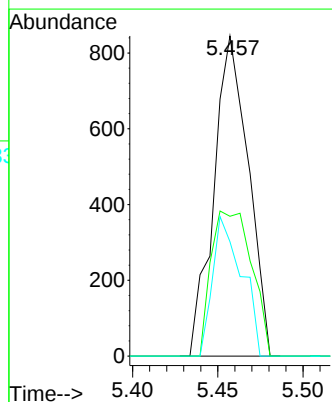
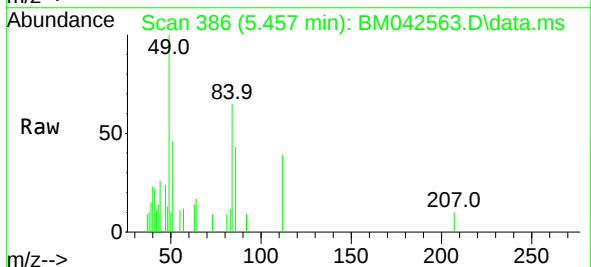
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#5
2-Fluorophenol
Concen: 0.372 ng
RT: 5.457 min Scan# 386
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

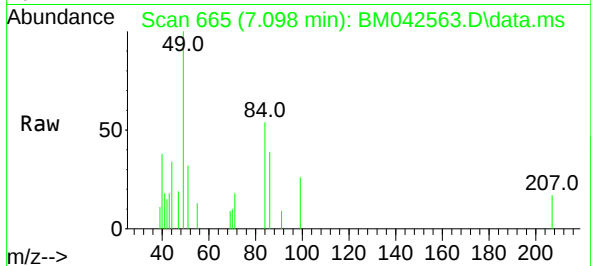
Tgt Ion:112 Resp: 1192
Ion Ratio Lower Upper
112 100
64 43.7 52.1 78.1#
63 35.7 28.3 42.5





#7
Phenol-d6
Concen: 0.176 ng
RT: 7.098 min Scan# 60
Delta R.T. -0.000 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

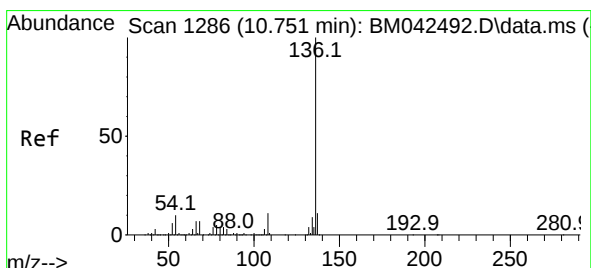
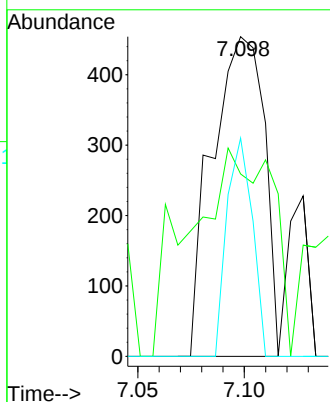
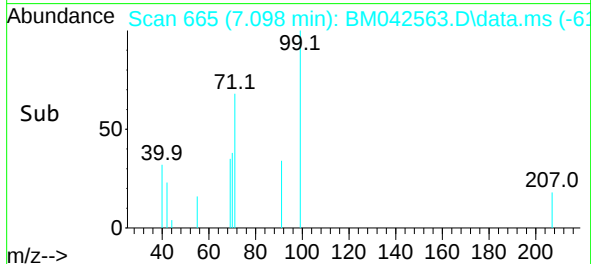
Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL



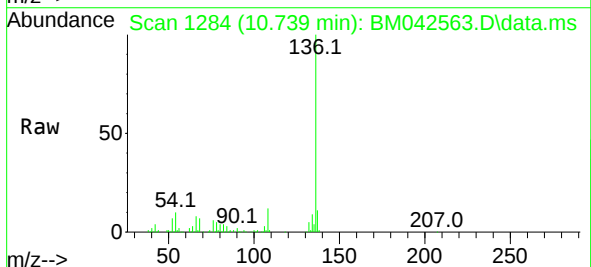
Tgt Ion:	99	Resp:	77
Ion	Ratio	Lower	Upper
99	100		
42	57.0	18.7	28.1
71	68.3	29.1	43.7

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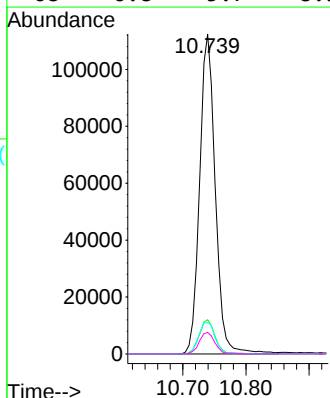
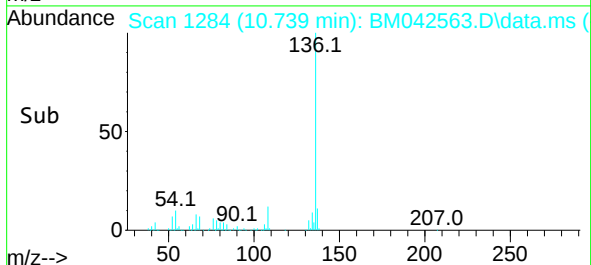
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023

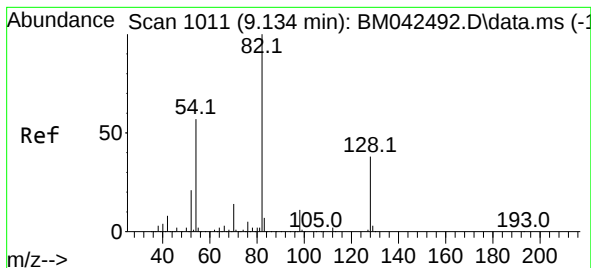


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13



Tgt Ion:	136	Resp:	193238
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	9.8	8.0	12.0
68	6.8	5.7	8.5





#23

Nitrobenzene-d5

Concen: 0.182 ng

RT: 9.139 min Scan# 1011

Delta R.T. 0.006 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

Instrument :

BNA_M

ClientSampleId :

A-8(0-2)DL

Tgt Ion: 82 Resp: 75

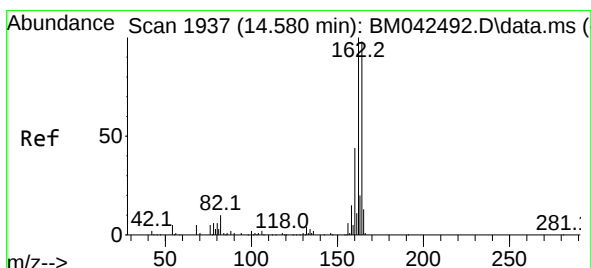
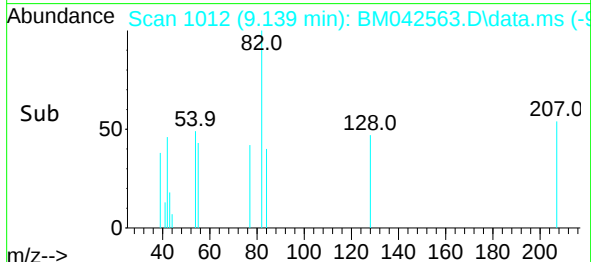
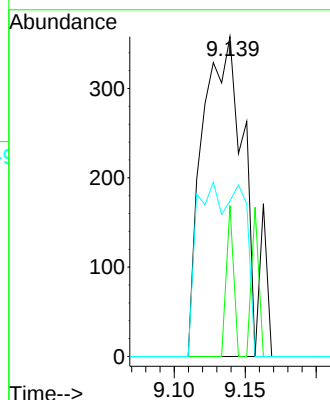
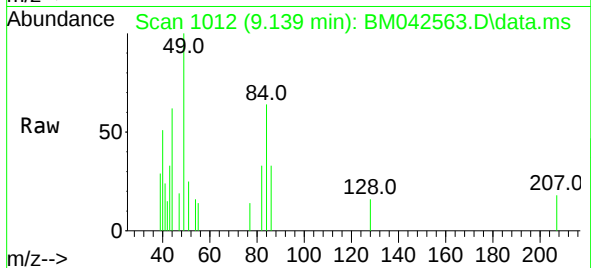
Ion	Ratio	Lower	Upper
82	100		
128	47.2	30.7	46.1
54	48.6	45.3	67.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.574 min Scan# 1936

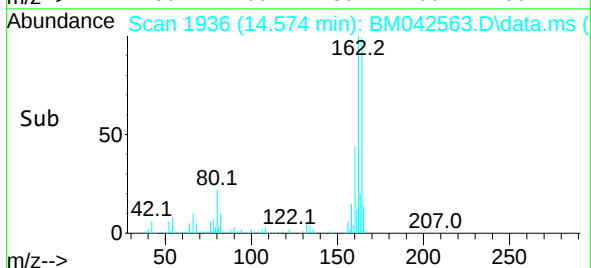
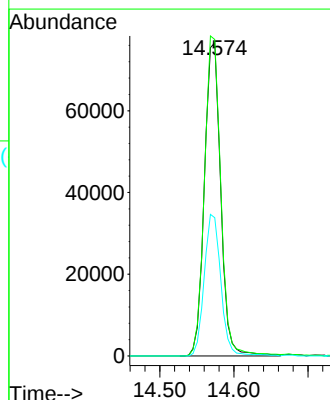
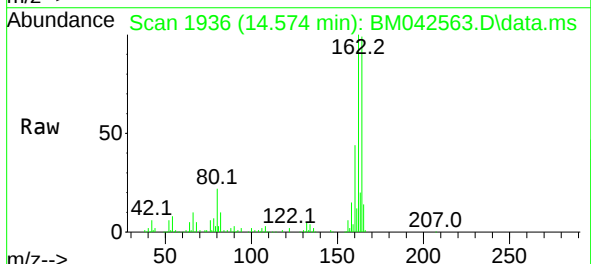
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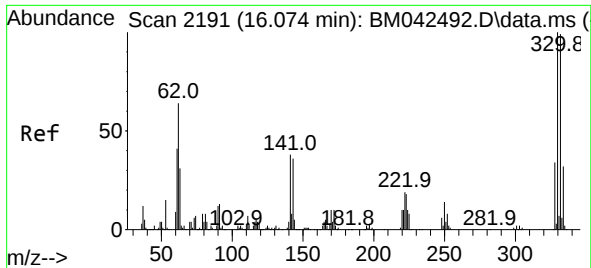
Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

Tgt Ion:164 Resp: 117290

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.6	122.4
160	44.1	36.2	54.4





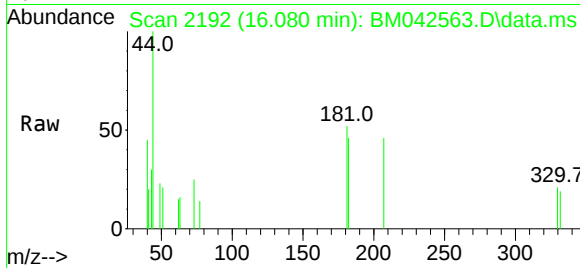
#42
2,4,6-Tribromophenol
Concen: 0.229 ng
RT: 16.080 min Scan# 2191
Delta R.T. 0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Instrument :

BNA_M

ClientSampleId :

A-8(0-2)DL

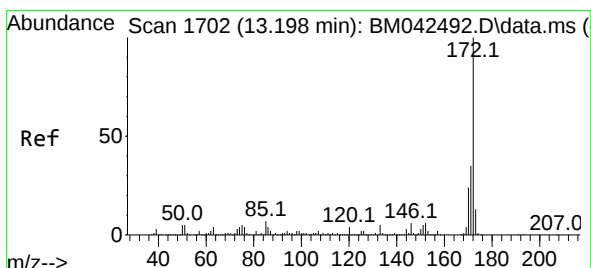
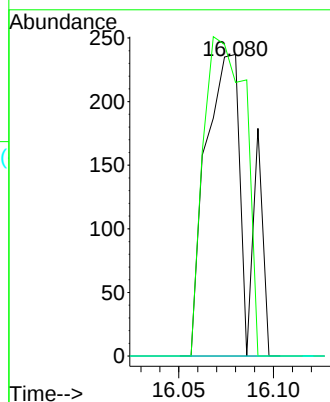
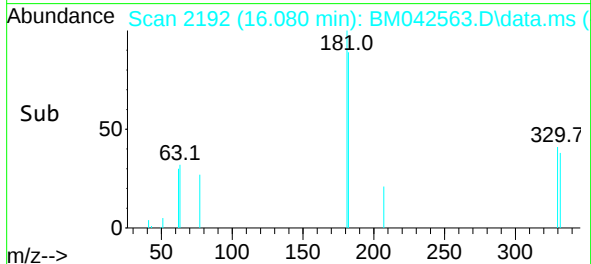


Tgt Ion: 330 Resp: 352
Ion Ratio Lower Upper
330 100
332 109.4 78.8 118.2
141 0.0 31.1 46.7

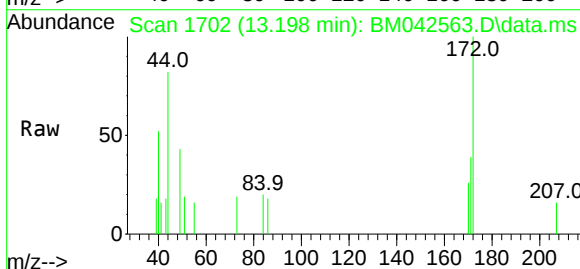
Manual Integrations

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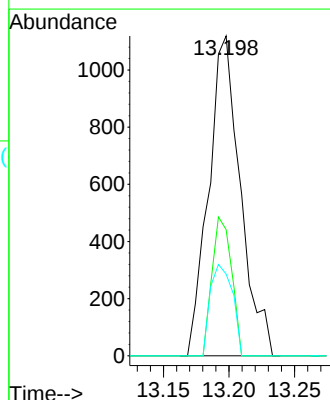
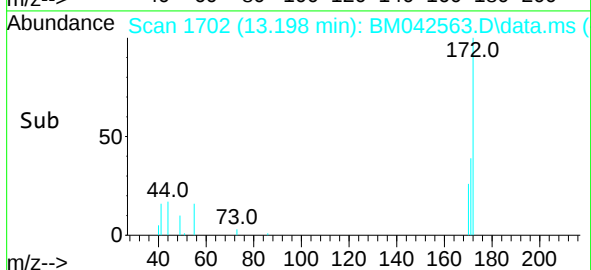
Reviewed By : Yogesh Patel 11/03/2023
Supervised By : mohammad ahmed 11/03/2023



#45
2-Fluorobiphenyl
Concen: 0.216 ng
RT: 13.198 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13



Tgt Ion: 172 Resp: 1881
Ion Ratio Lower Upper
172 100
171 39.5 28.2 42.2
170 25.6 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 2404

Delta R.T. -0.006 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

Instrument :

BNA_M

ClientSampleId :

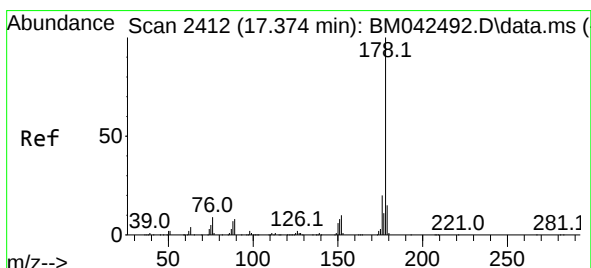
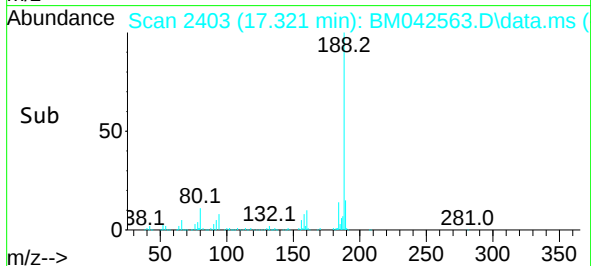
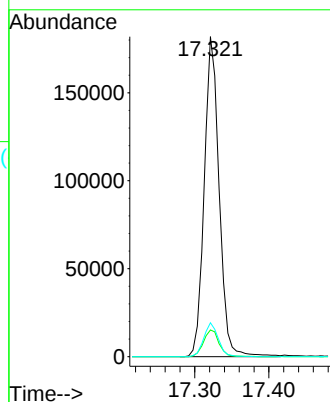
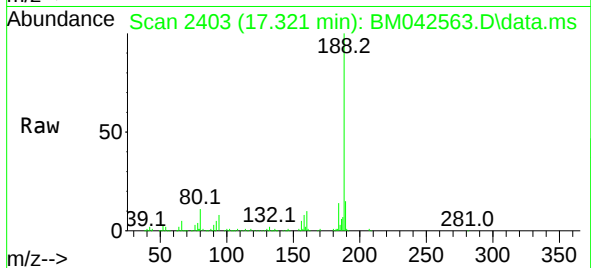
A-8(0-2)DL

Tgt Ion:188 Resp: 255290
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.2 12.4
 80 10.6 9.4 14.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023



#71

Phenanthrene

Concen: 18.319 ng

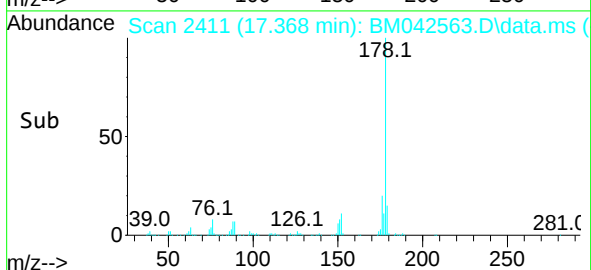
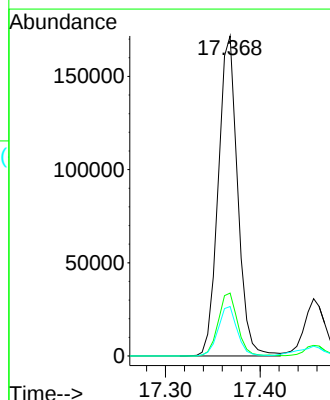
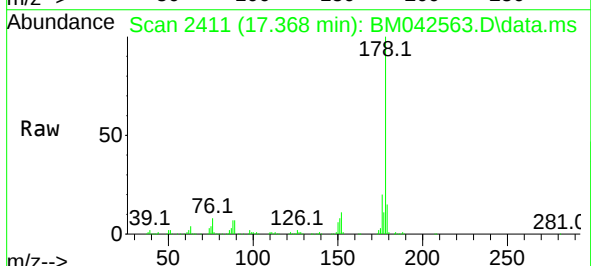
RT: 17.368 min Scan# 2411

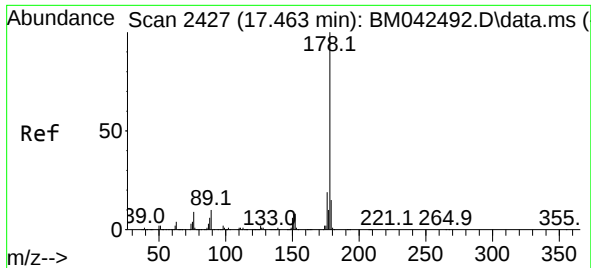
Delta R.T. -0.006 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

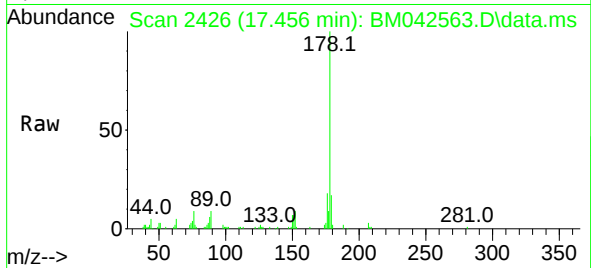
Tgt Ion:178 Resp: 244392
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.5 12.2 18.4





#72
 Anthracene
 Concen: 3.407 ng
 RT: 17.456 min Scan# 2426
 Delta R.T. -0.006 min
 Lab File: BM042563.D
 Acq: 02 Nov 2023 16:13

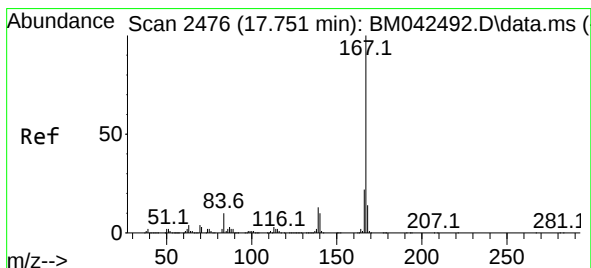
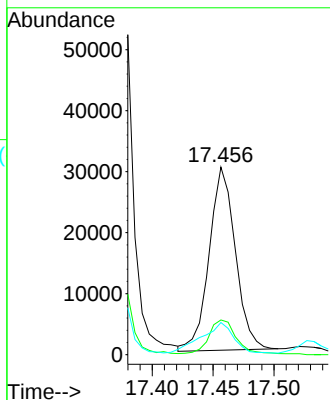
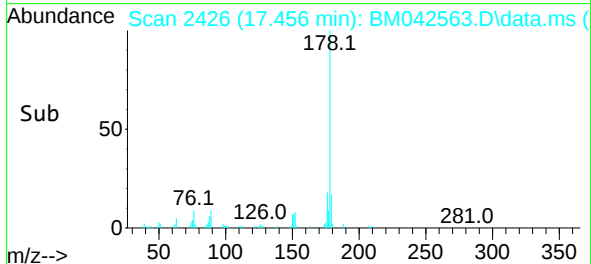
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 A-8(0-2)DL



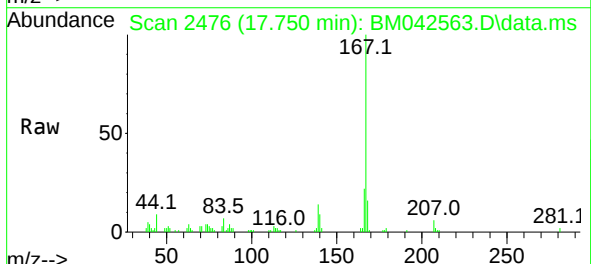
Tgt Ion:178 Resp: 4502
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.2 22.8
 179 17.2 12.3 18.5

Manual Integrations
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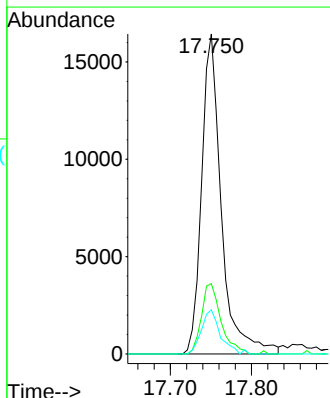
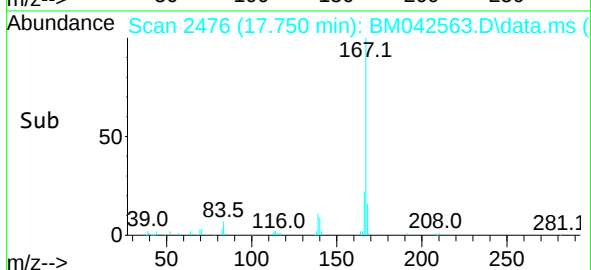
Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023

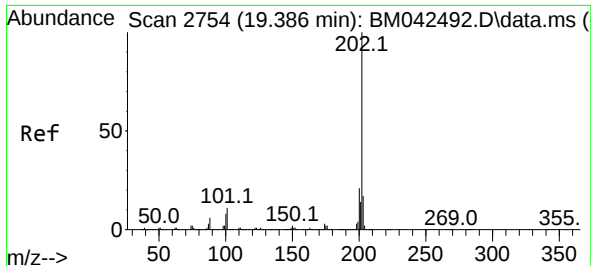


#73
 Carbazole
 Concen: 2.577 ng
 RT: 17.750 min Scan# 2476
 Delta R.T. -0.001 min
 Lab File: BM042563.D
 Acq: 02 Nov 2023 16:13



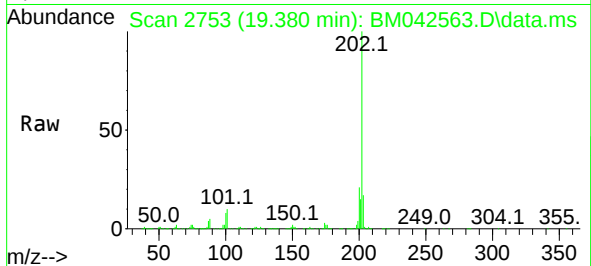
Tgt Ion:167 Resp: 27702
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.2
 139 13.8 10.5 15.7





#75
Fluoranthene
Concen: 34.177 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

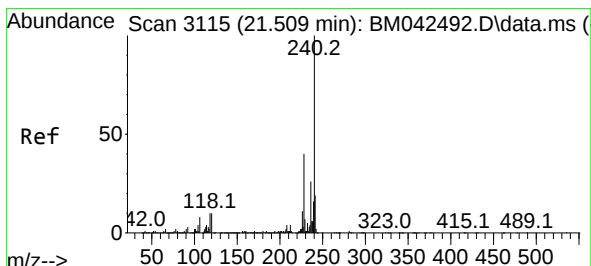
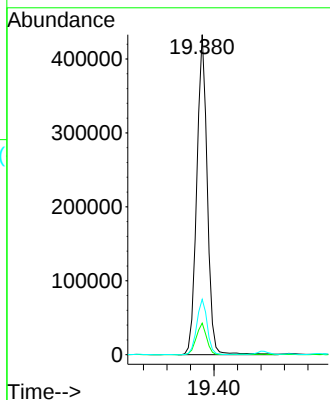
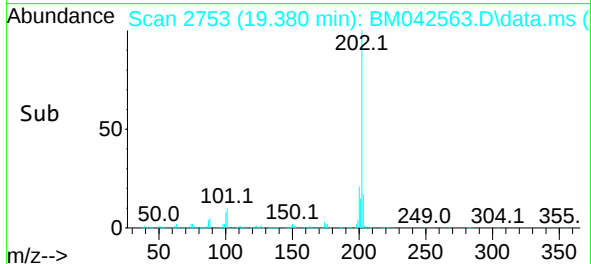
Instrument :
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A-8(0-2)DL



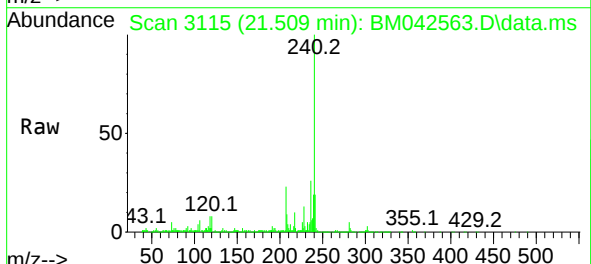
Tgt Ion:202 Resp: 535600
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.5
203 17.3 0.0 37.0

Manual Integrations
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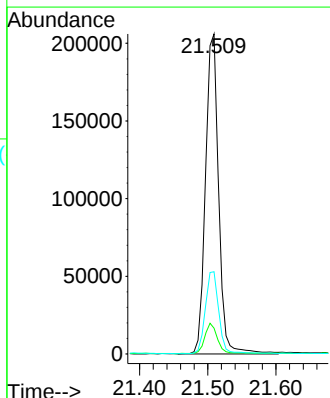
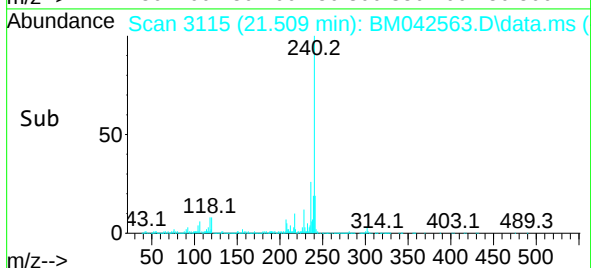
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023

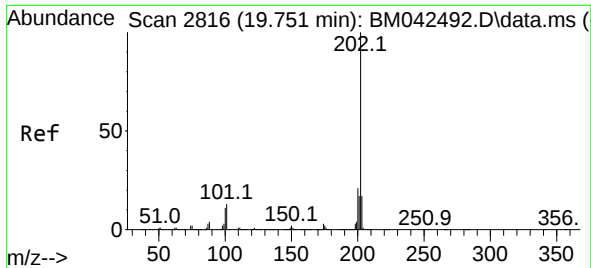


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.509 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13



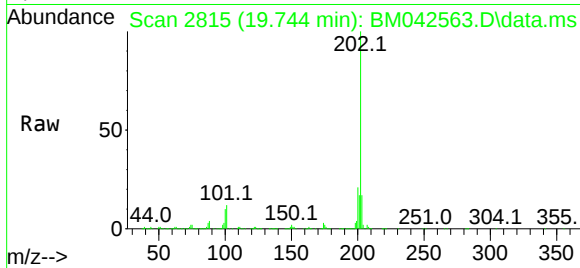
Tgt Ion:240 Resp: 276774
Ion Ratio Lower Upper
240 100
120 8.1 8.3 12.5#
236 25.7 20.8 31.2





#78
Pyrene
Concen: 24.004 ng
RT: 19.744 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

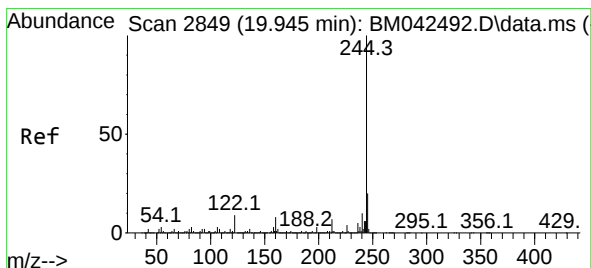
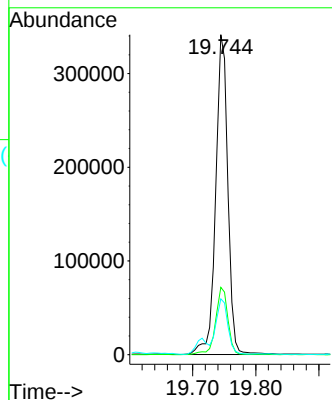
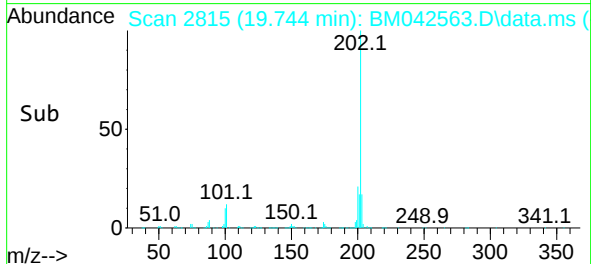
Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL



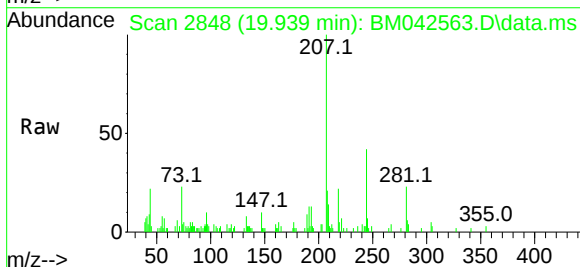
Tgt Ion:202 Resp: 45619
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.5 13.7 20.5

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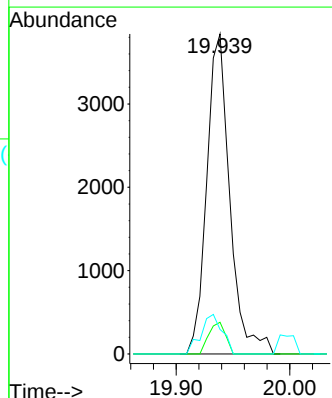
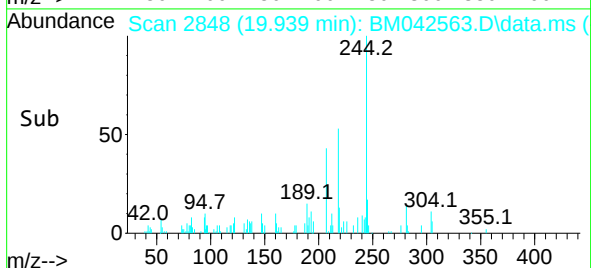
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023

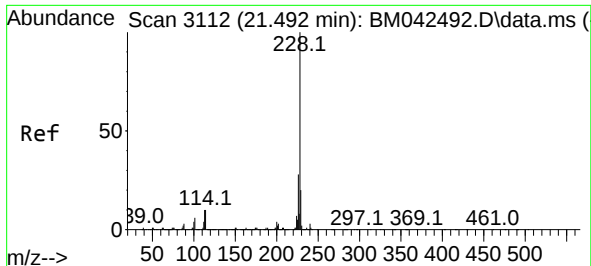


#79
Terphenyl-d14
Concen: 0.331 ng
RT: 19.939 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13



Tgt Ion:244 Resp: 5401
Ion Ratio Lower Upper
244 100
212 9.9 5.4 8.2#
122 7.7 7.2 10.8





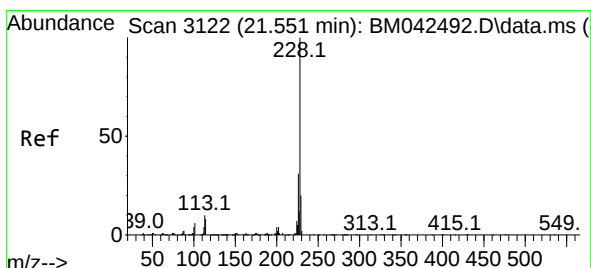
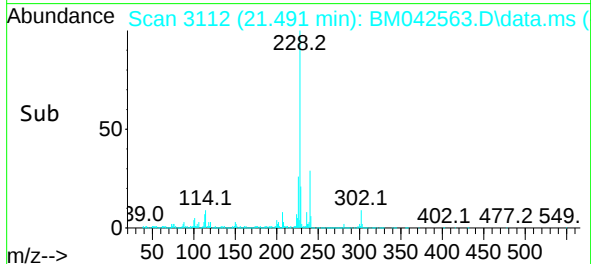
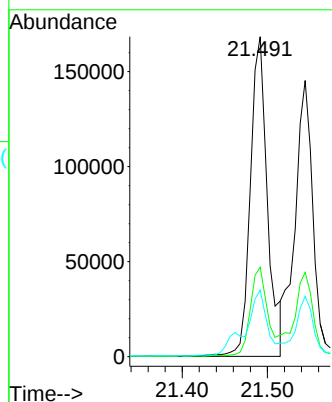
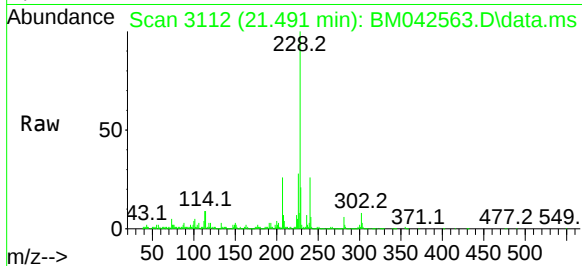
#81
Benzo(a)anthracene
Concen: 13.347 ng
RT: 21.491 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL

Tgt Ion:228 Resp: 23503
Ion Ratio Lower Upper
228 100
226 28.0 22.3 33.5
229 20.8 15.8 23.8

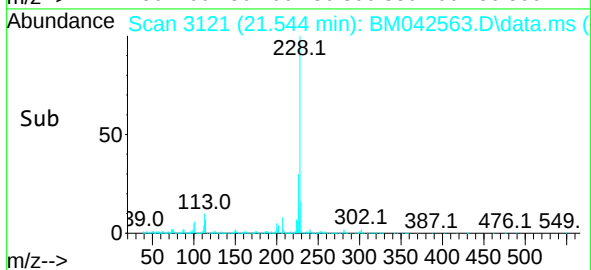
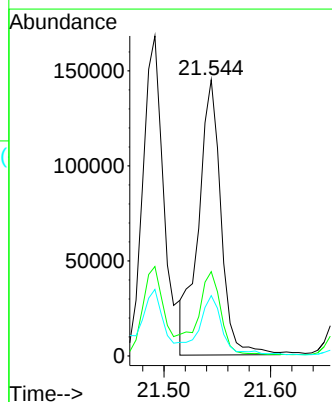
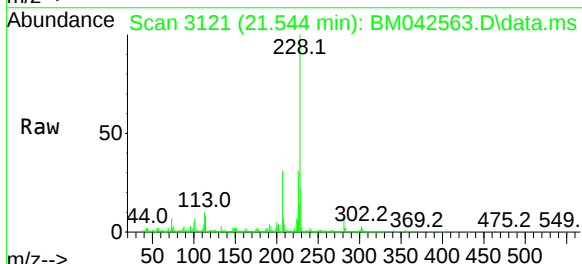
Manual Integrations
APPROVED

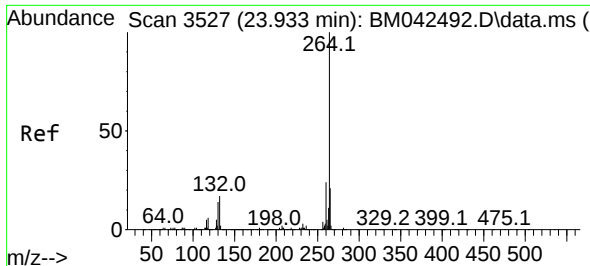
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023



#83
Chrysene
Concen: 11.931 ng
RT: 21.544 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Tgt Ion:228 Resp: 213414
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 21.8 15.7 23.5





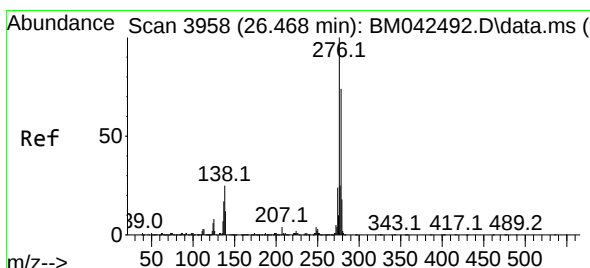
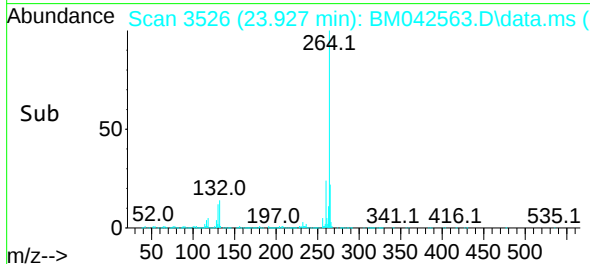
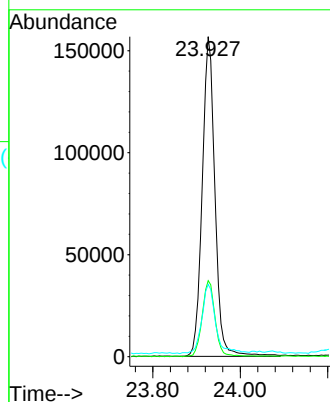
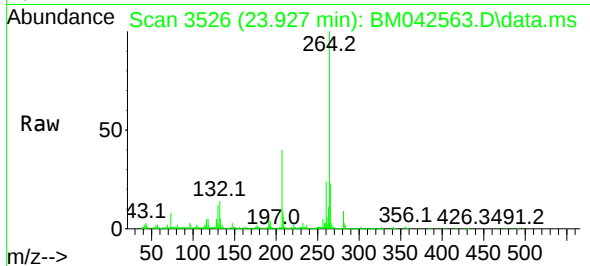
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL

Tgt Ion:264 Resp: 31847
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 22.6 18.7 28.1

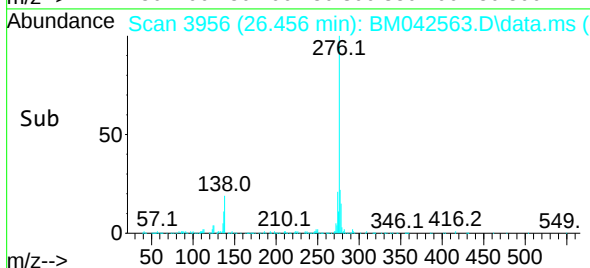
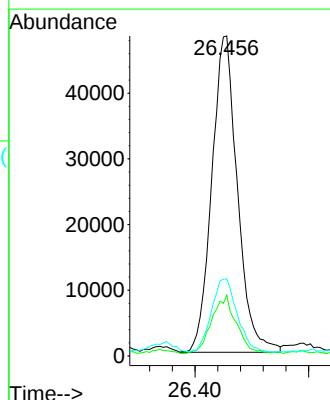
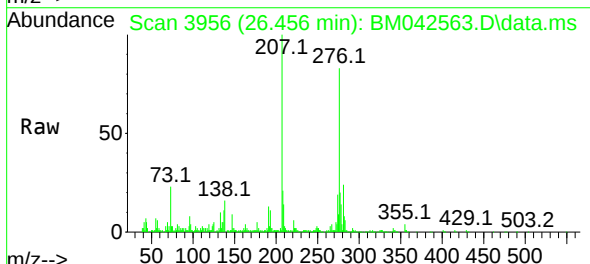
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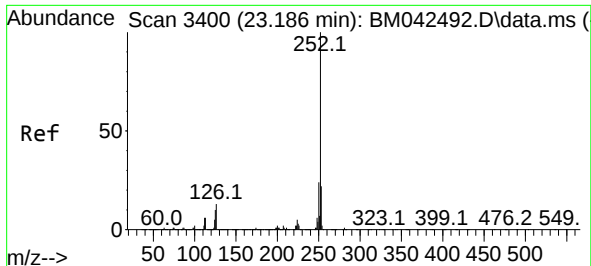
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.972 ng
RT: 26.456 min Scan# 3956
Delta R.T. -0.012 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

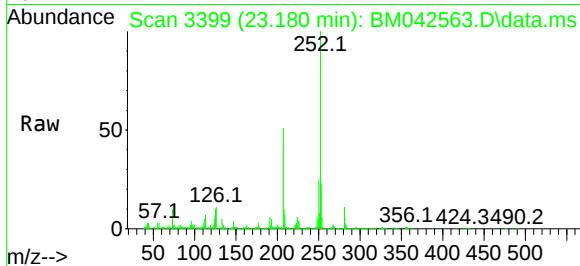
Tgt Ion:276 Resp: 151109
Ion Ratio Lower Upper
276 100
138 17.4 20.6 31.0#
277 23.3 19.5 29.3





#88
Benzo(b)fluoranthene
Concen: 17.616 ng
RT: 23.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

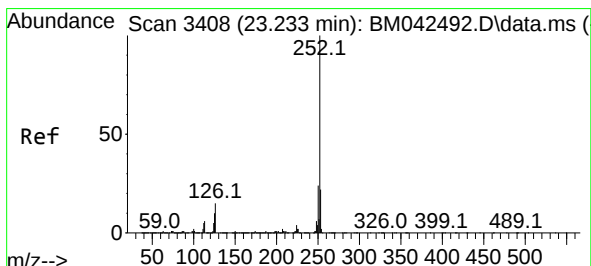
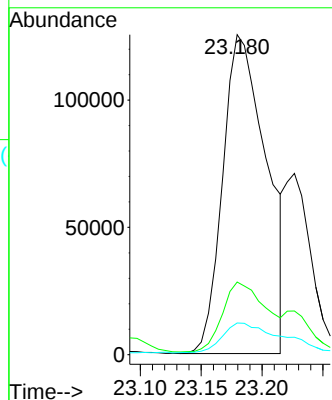
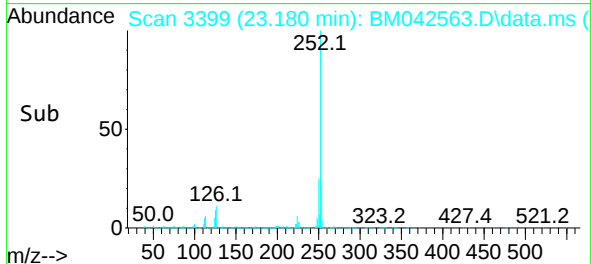
Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL



Tgt Ion:252 Resp: 31254
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 9.9 7.8 11.6

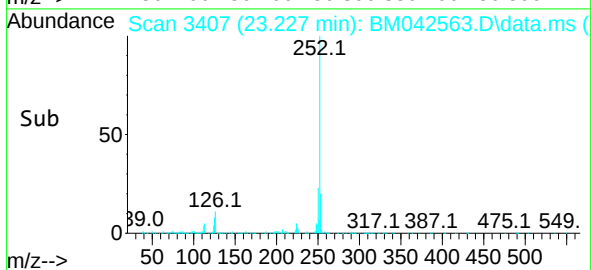
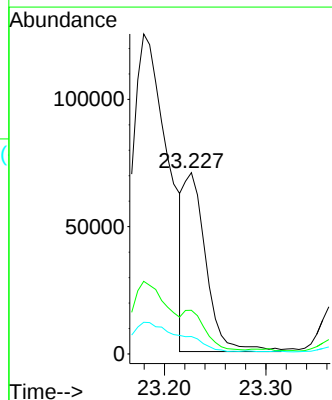
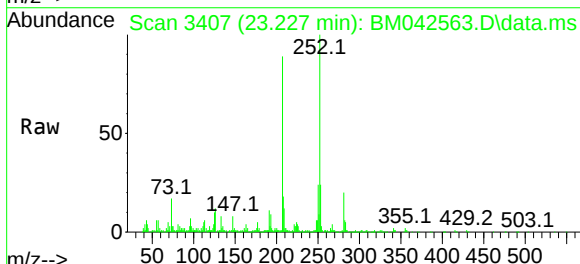
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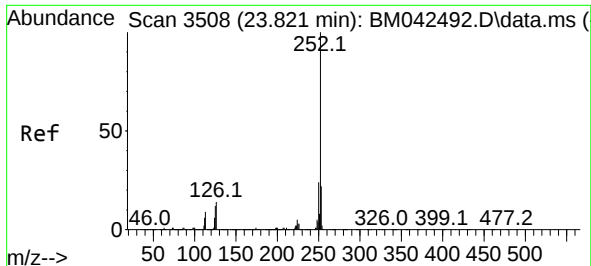
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023



#89
Benzo(k)fluoranthene
Concen: 5.449 ng m
RT: 23.227 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Tgt Ion:252 Resp: 107722
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 9.6 8.2 12.4





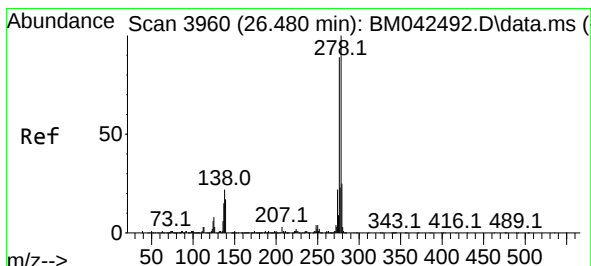
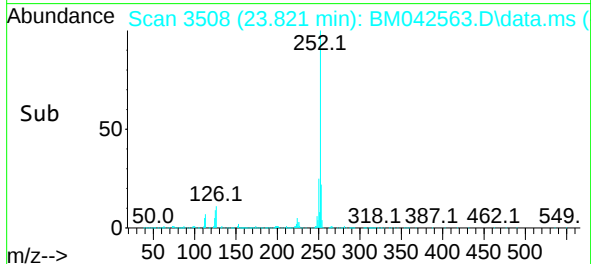
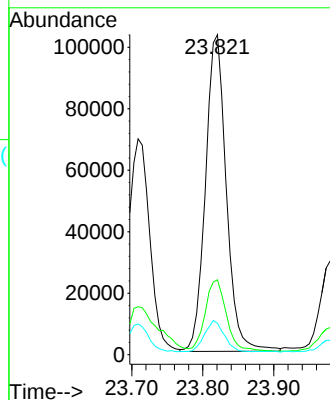
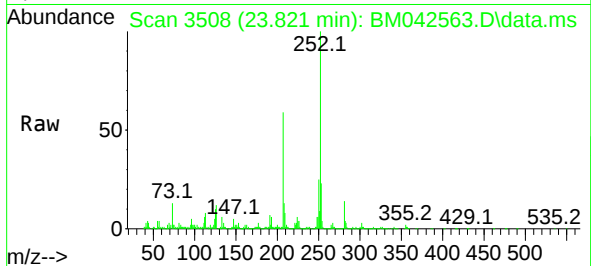
#90
Benzo(a)pyrene
Concen: 12.062 ng
RT: 23.821 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL

Tgt Ion:252 Resp: 210700
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 9.8 9.4 14.2

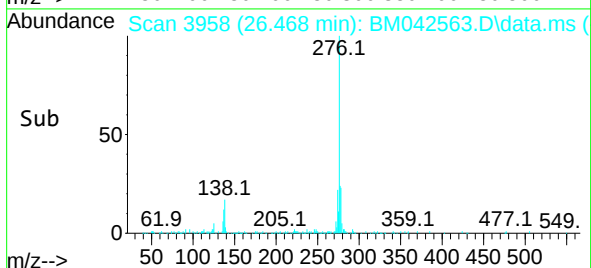
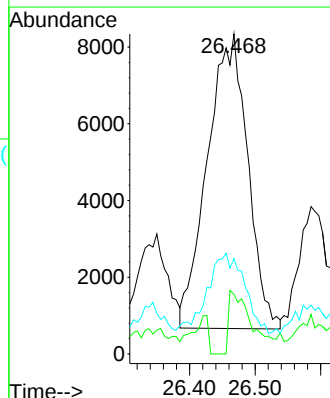
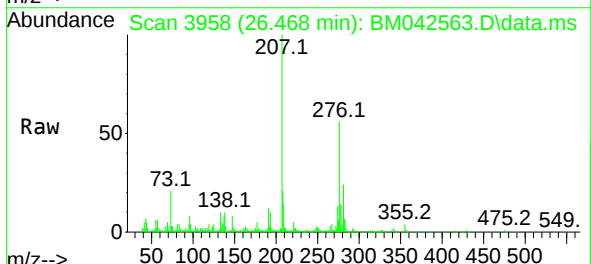
Manual Integrations
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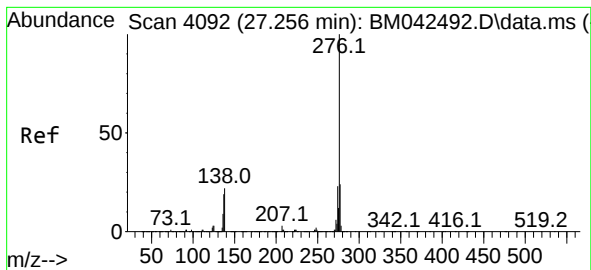
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023



#91
Dibenzo(a,h)anthracene
Concen: 5.849 ng
RT: 26.468 min Scan# 3958
Delta R.T. -0.012 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

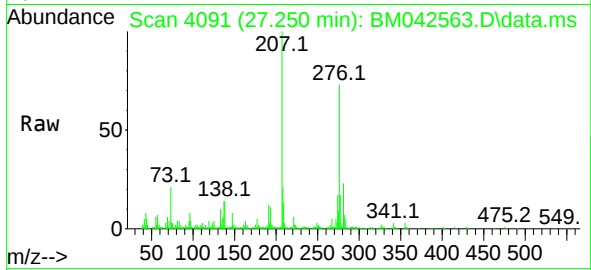
Tgt Ion:278 Resp: 32771
Ion Ratio Lower Upper
278 100
139 18.6 13.4 20.2
279 29.8 19.7 29.5#





#92
Benzo(g,h,i)perylene
Concen: 9.053 ng
RT: 27.250 min Scan# 4092
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL



Tgt Ion:276 Resp: 15124
Ion Ratio Lower Upper
276 100
277 23.7 19.2 28.8
138 19.7 17.3 25.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023

