

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
 Data File : BM042695.D
 Acq On : 10 Nov 2023 17:22
 Operator : MA/JU
 Sample : 05317-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 208

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/14/2023
 Supervised By :mohammad ahmed 11/16/2023

Quant Time: Nov 10 18:15:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 13:21:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	83176	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	316315	20.000	ng	0.00
39) Acenaphthene-d10	14.510	164	205663	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	316888	20.000	ng	# 0.01
76) Chrysene-d12	21.444	240	261187	20.000	ng	0.00
86) Perylene-d12	23.821	264	307587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	202697	39.330	ng	0.00
7) Phenol-d6	7.016	99	270655	38.292	ng	0.00
23) Nitrobenzene-d5	9.045	82	199303	29.372	ng	0.00
42) 2,4,6-Tribromophenol	16.009	330	95892	35.713	ng	0.01
45) 2-Fluorobiphenyl	13.121	172	423902	27.735	ng	0.00
79) Terphenyl-d14	19.880	244	428865	27.842	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.309	178	93220	5.629	ng	# 81
75) Fluoranthene	19.327	202	333102	17.124	ng	93
78) Pyrene	19.692	202	308380	17.194	ng	96
81) Benzo(a)anthracene	21.433	228	147205	8.858	ng	95
83) Chrysene	21.486	228	189745	11.240	ng	97
84) Bis(2-ethylhexyl)phtha...	21.309	149	76640	6.620	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.297	276	142082	7.761	ng	# 89
88) Benzo(b)fluoranthene	23.091	252	269572	15.731	ng	98
89) Benzo(k)fluoranthene	23.133	252	101418m	5.311	ng	
90) Benzo(a)pyrene	23.715	252	159263	9.440	ng	97
91) Dibenzo(a,h)anthracene	26.309	278	31863	5.861	ng	# 89
92) Benzo(g,h,i)perylene	27.079	276	149820	9.285	ng	# 95

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

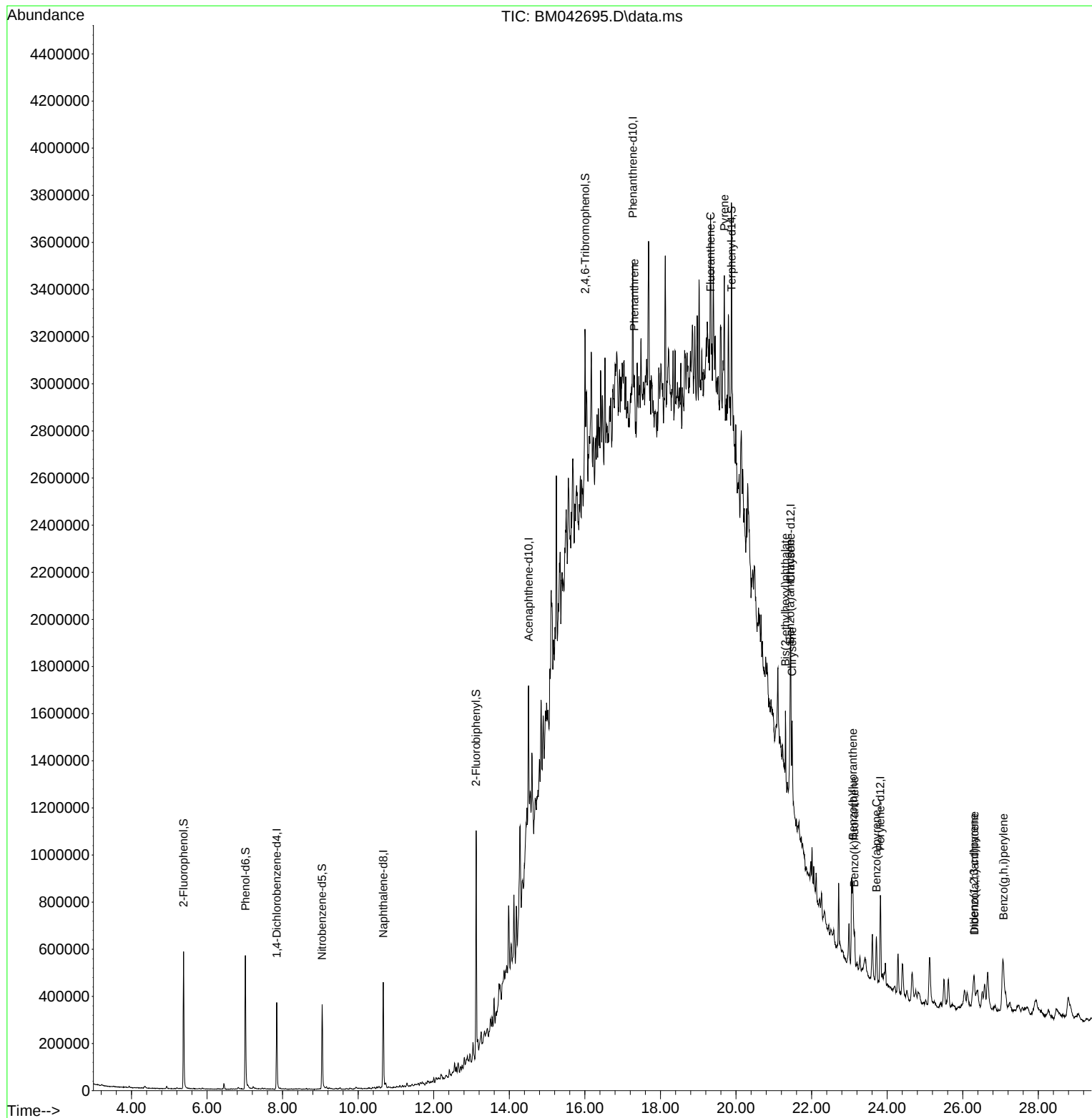
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042695.D
Acq On : 10 Nov 2023 17:22
Operator : MA/JU
Sample : 05317-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 10 18:15:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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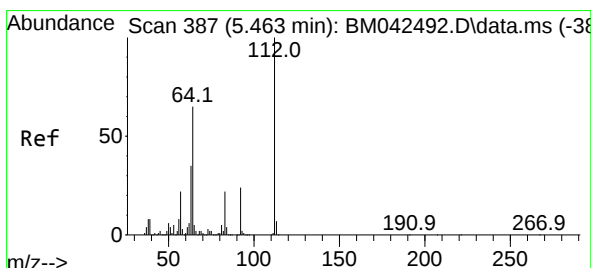
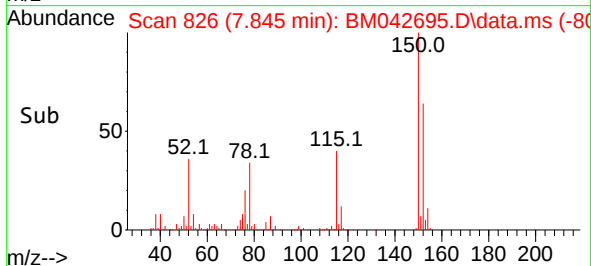
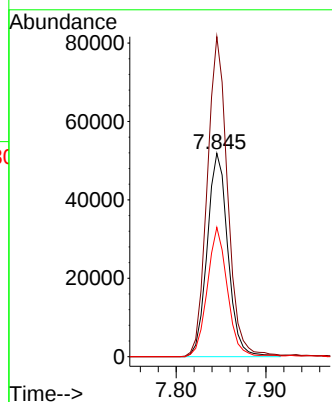
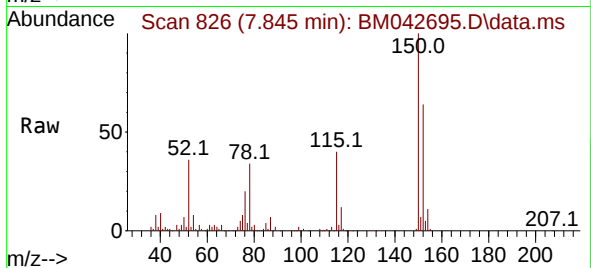
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Instrument :
BNA_M
ClientSampleId :
208

Tgt Ion:152 Resp: 83170
Ion Ratio Lower Upper
152 100
150 157.4 127.4 191.0
115 63.6 47.9 71.9

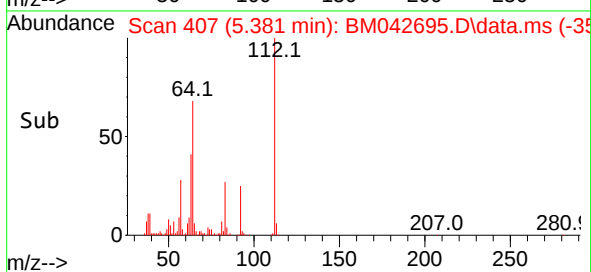
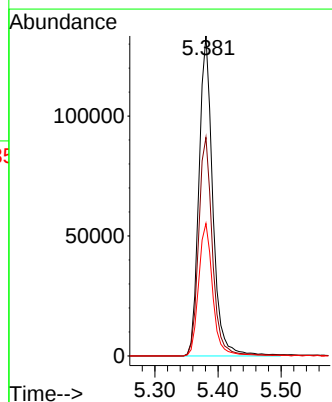
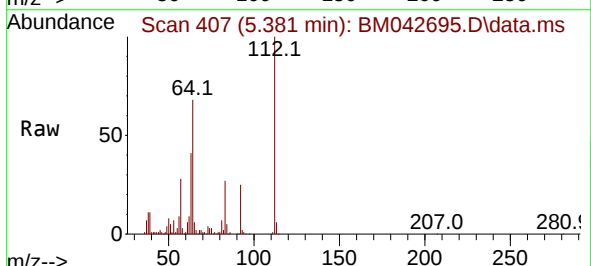
Manual Integrations
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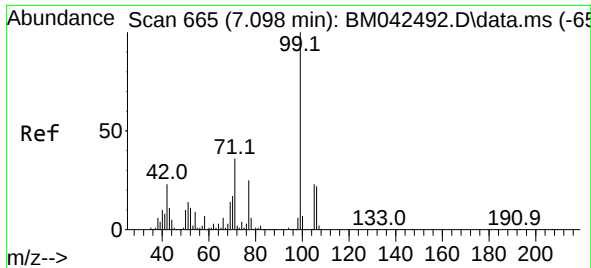
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#5
2-Fluorophenol
Concen: 39.330 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

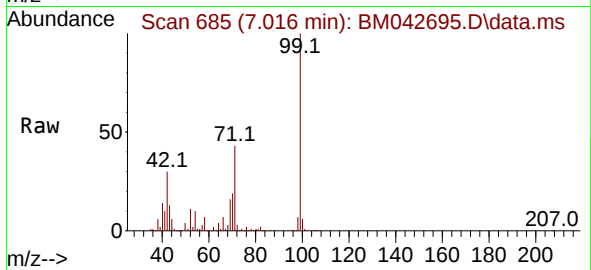
Tgt Ion:112 Resp: 202697
Ion Ratio Lower Upper
112 100
64 68.3 52.1 78.1
63 41.4 28.3 42.5





#7
Phenol-d6
Concen: 38.292 ng
RT: 7.016 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

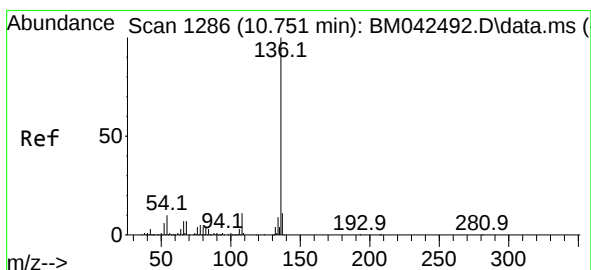
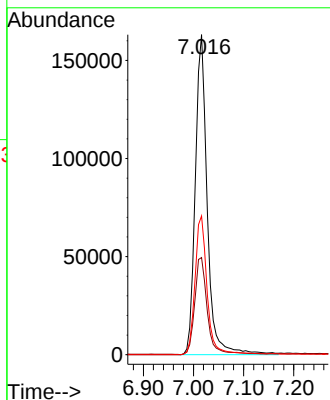
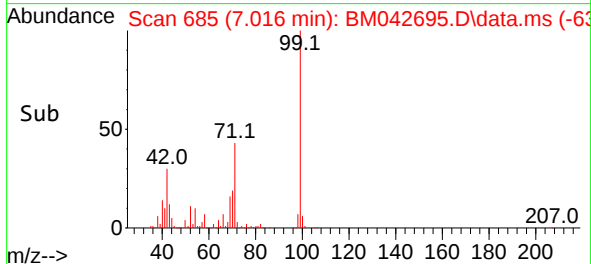
Instrument :
BNA_M
ClientSampleId :
208



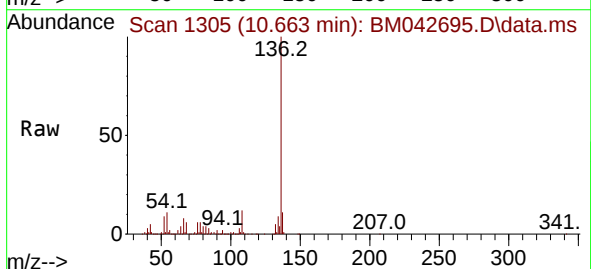
Tgt Ion: 99 Resp: 27065
Ion Ratio Lower Upper
99 100
42 30.4 18.7 28.1
71 43.3 29.1 43.7

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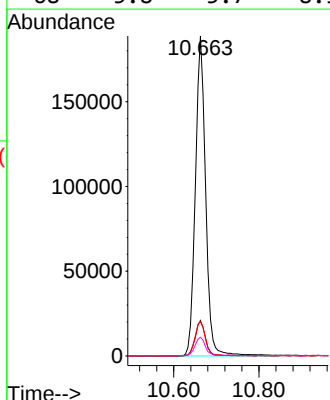
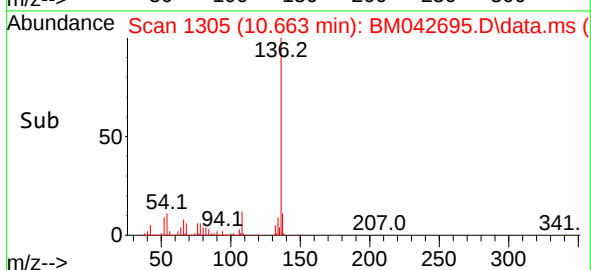
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

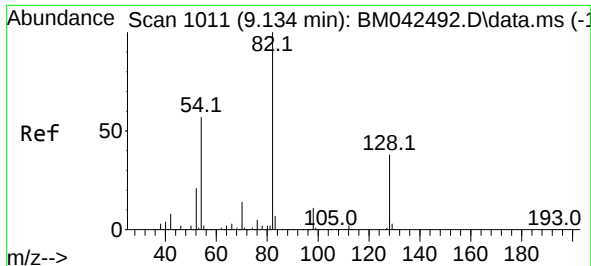


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22



Tgt Ion:136 Resp: 316315
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 10.7 8.0 12.0
68 5.8 5.7 8.5





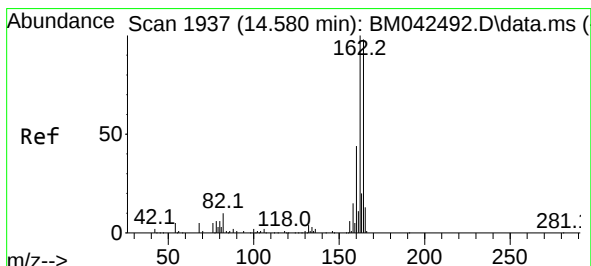
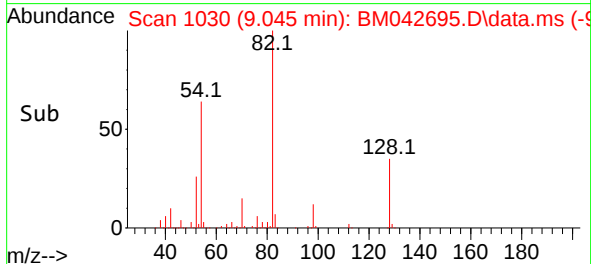
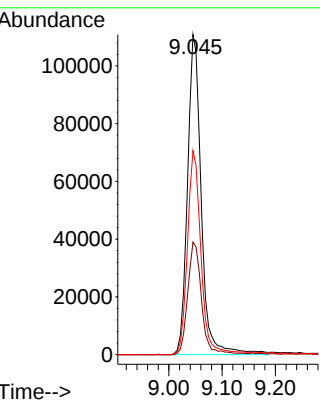
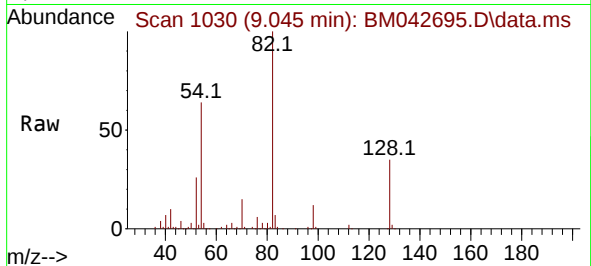
#23
Nitrobenzene-d5
Concen: 29.372 ng
RT: 9.045 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Instrument :
BNA_M
ClientSampleId :
208

Tgt Ion: 82 Resp: 19930
Ion Ratio Lower Upper
82 100
128 35.2 30.7 46.1
54 63.8 45.3 67.9

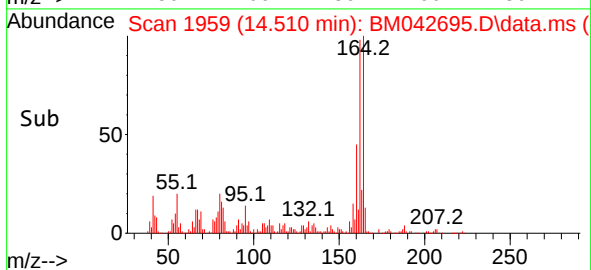
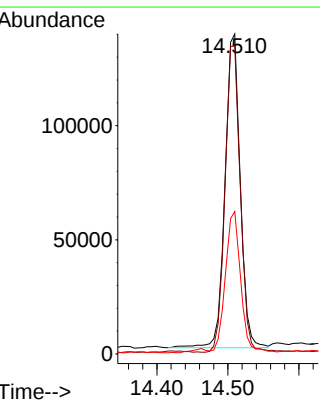
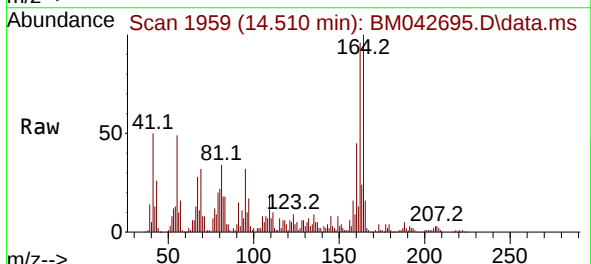
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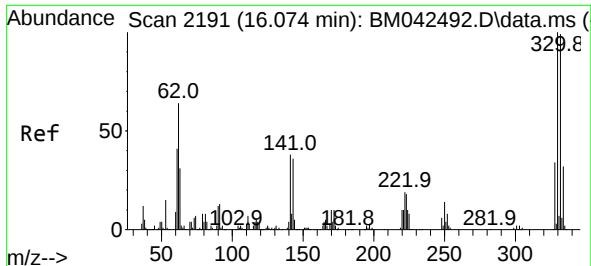
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

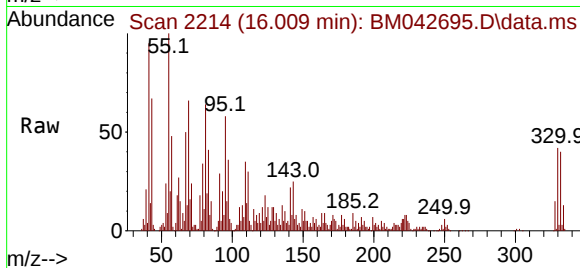
Tgt Ion:164 Resp: 205663
Ion Ratio Lower Upper
164 100
162 96.3 81.6 122.4
160 44.5 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 35.713 ng
RT: 16.009 min Scan# 2191
Delta R.T. 0.012 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

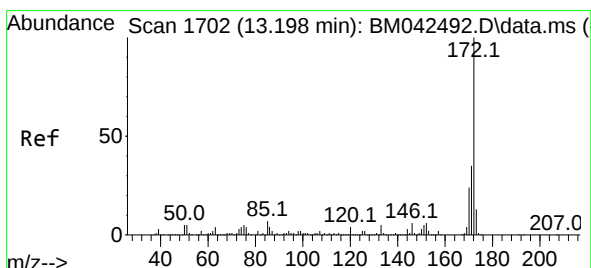
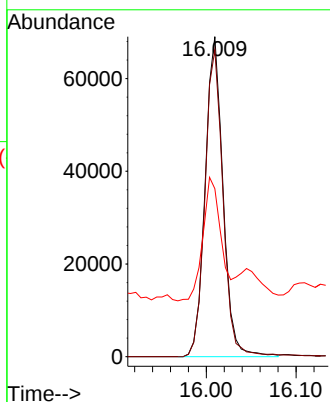
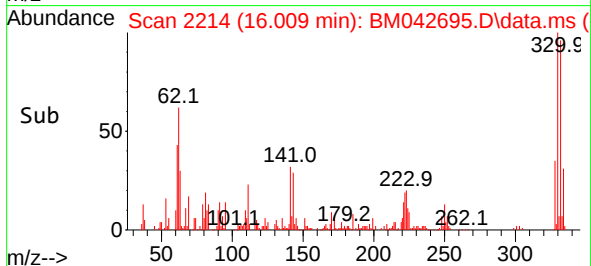
Instrument :
BNA_M
ClientSampleId :
208



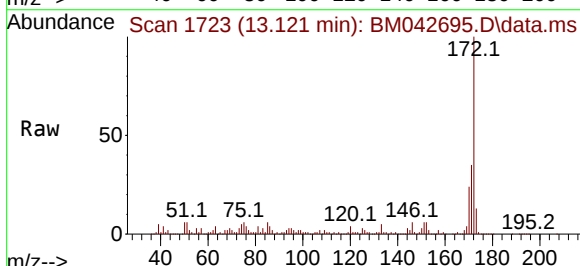
Tgt Ion:330 Resp: 95892
Ion Ratio Lower Upper
330 100
332 97.6 78.8 118.2
141 38.5 31.1 46.7

Manual Integrations
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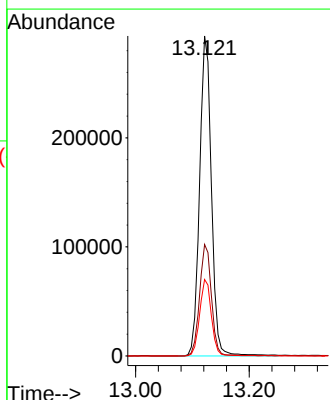
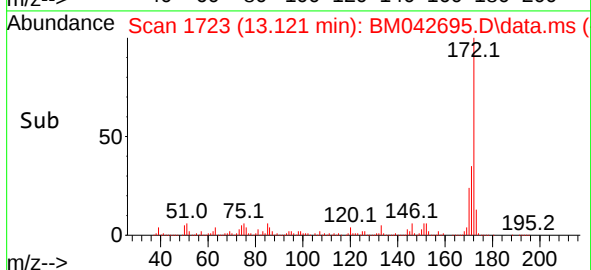
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#45
2-Fluorobiphenyl
Concen: 27.735 ng
RT: 13.121 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22



Tgt Ion:172 Resp: 423902
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.9 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.268 min Scan# 2404

Delta R.T. 0.012 min

Lab File: BM042695.D

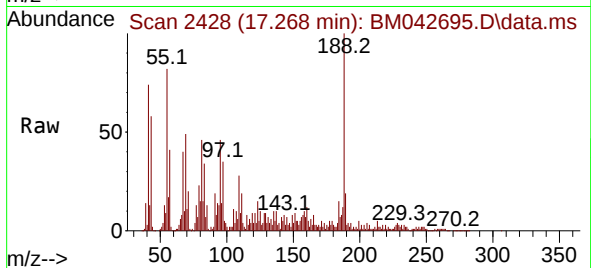
Acq: 10 Nov 2023 17:22

Instrument :

BNA_M

ClientSampleId :

208



Tgt Ion:188 Resp: 31688

Ion Ratio Lower Upper

188 100

94 13.3 8.2 12.4

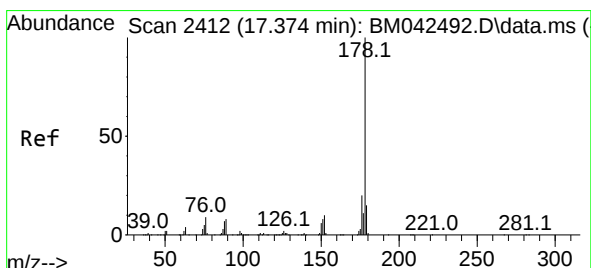
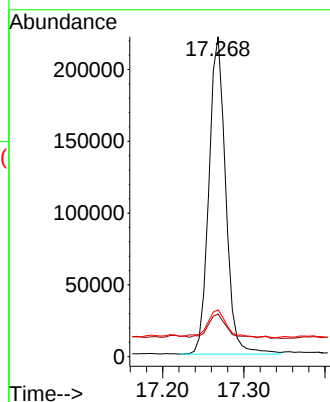
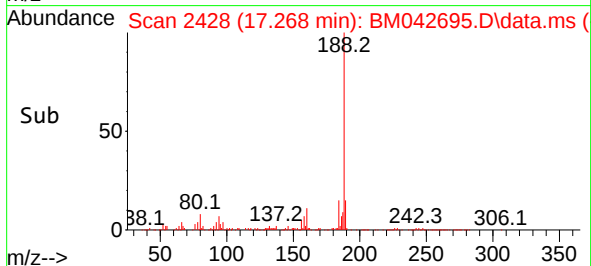
80 14.7 9.4 14.2

Manual Integrations

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#71

Phenanthrene

Concen: 5.629 ng

RT: 17.309 min Scan# 2435

Delta R.T. 0.012 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

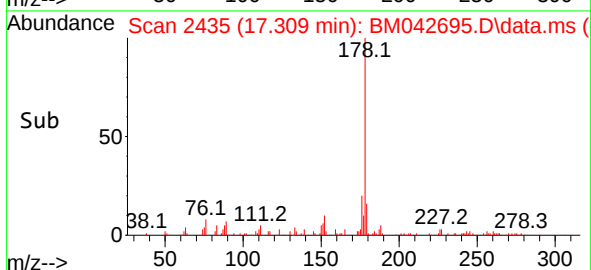
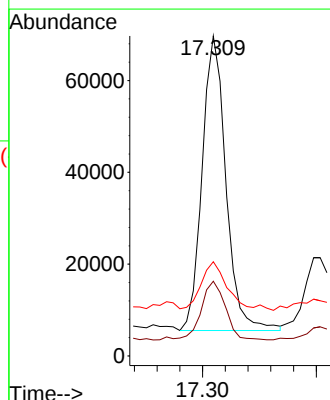
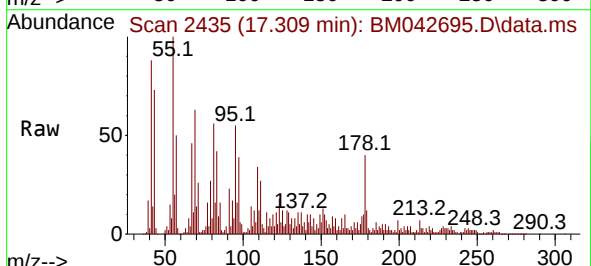
Tgt Ion:178 Resp: 93220

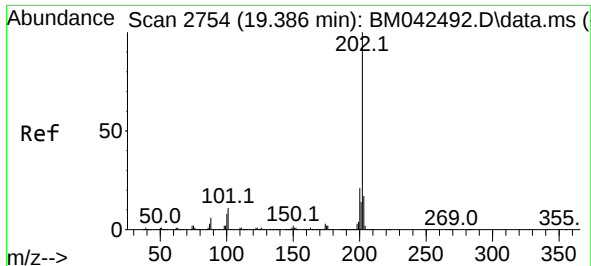
Ion Ratio Lower Upper

178 100

176 23.4 15.8 23.8

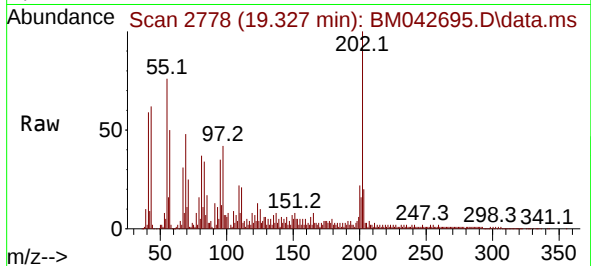
179 29.5 12.2 18.4





#75
Fluoranthene
Concen: 17.124 ng
RT: 19.327 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

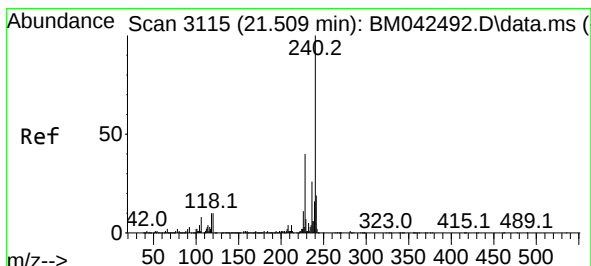
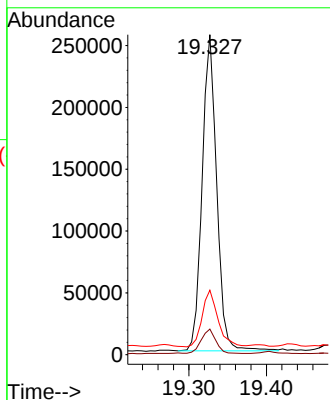
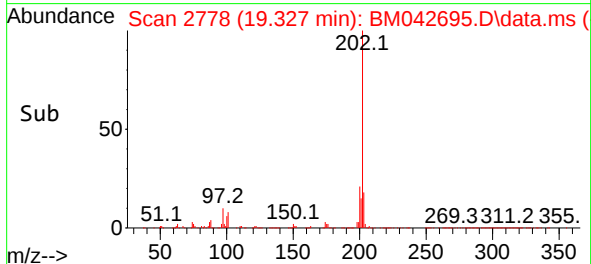
Instrument :
BNA_M
ClientSampleId :
208



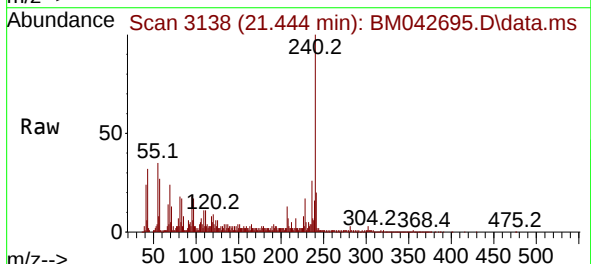
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Ion Ratio Lower Upper
202 100
101 8.0 0.0 30.5
203 20.1 0.0 37.0

Manual Integrations
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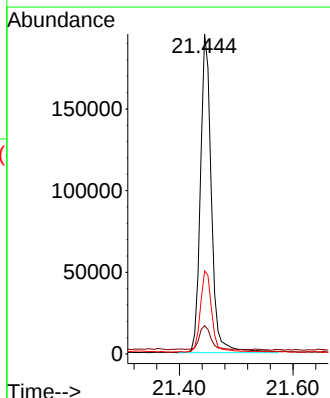
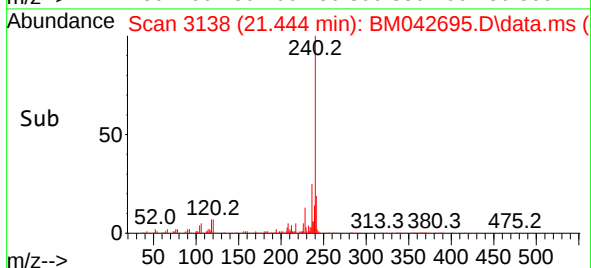
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

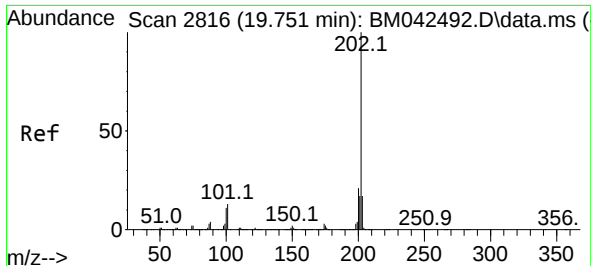


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22



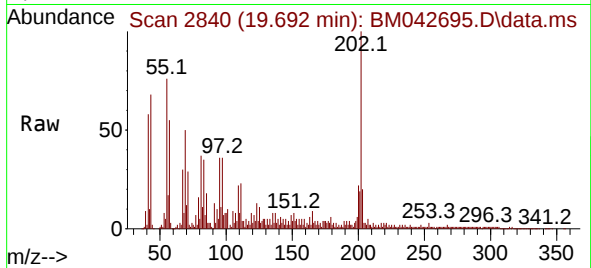
Tgt Ion:240 Resp: 261187
Ion Ratio Lower Upper
240 100
120 8.8 8.3 12.5
236 25.9 20.8 31.2





#78
Pyrene
Concen: 17.194 ng
RT: 19.692 min Scan# 208
Delta R.T. 0.012 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

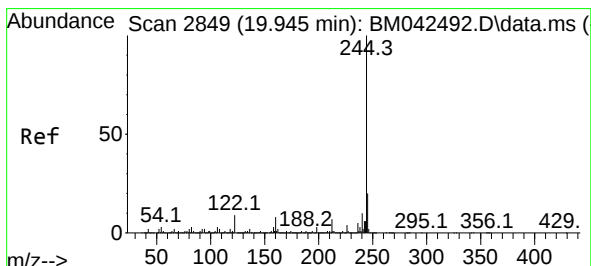
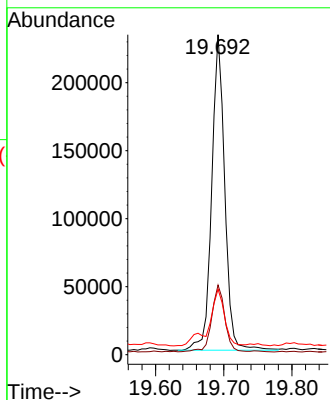
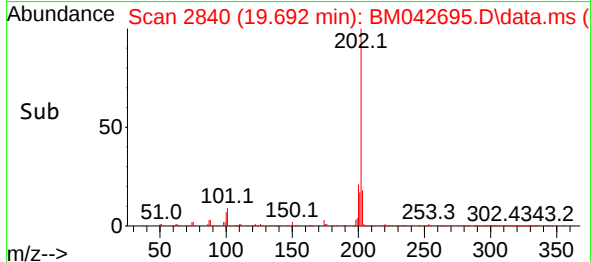
Instrument :
BNA_M
ClientSampleId :
208



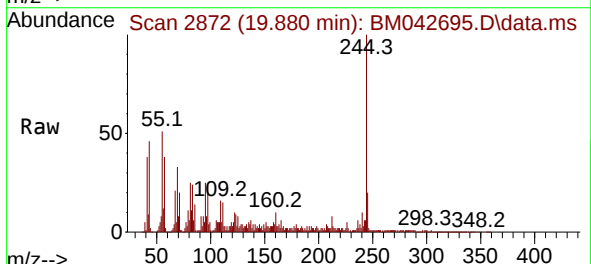
Tgt Ion:202 Resp: 308380
Ion Ratio Lower Upper
202 100
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203 20.4 13.7 20.5

Manual Integrations
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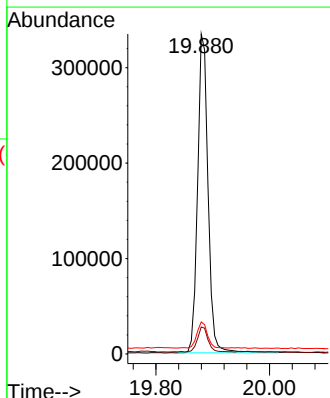
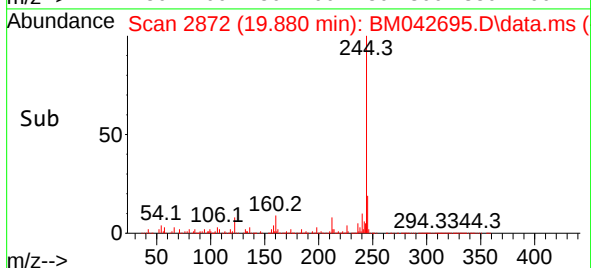
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

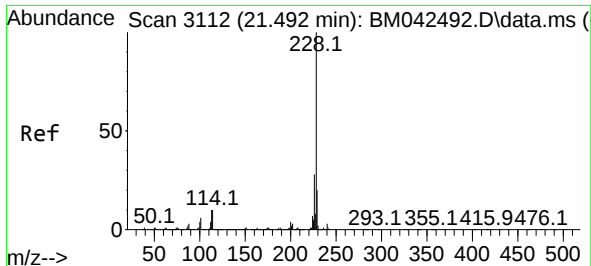


#79
Terphenyl-d14
Concen: 27.842 ng
RT: 19.880 min Scan# 2872
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22



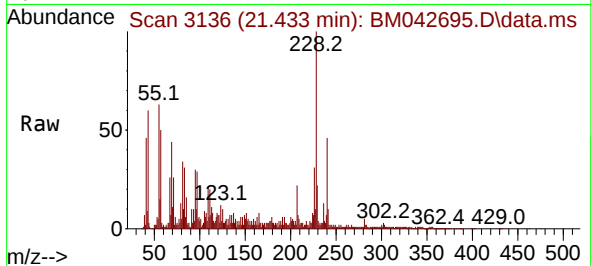
Tgt Ion:244 Resp: 428865
Ion Ratio Lower Upper
244 100
212 8.5 5.4 8.2#
122 10.0 7.2 10.8





#81
Benzo(a)anthracene
Concen: 8.858 ng
RT: 21.433 min Scan# 3112
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

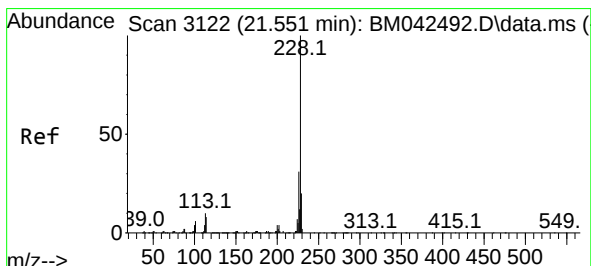
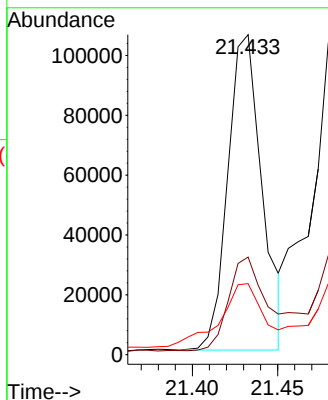
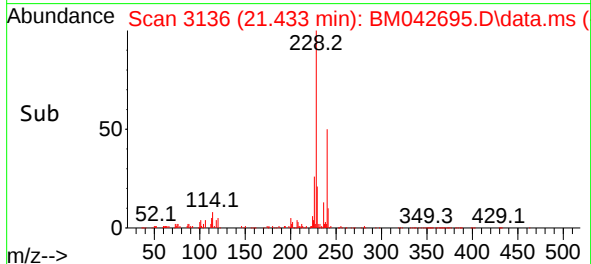
Instrument :
BNA_M
ClientSampleId :
208



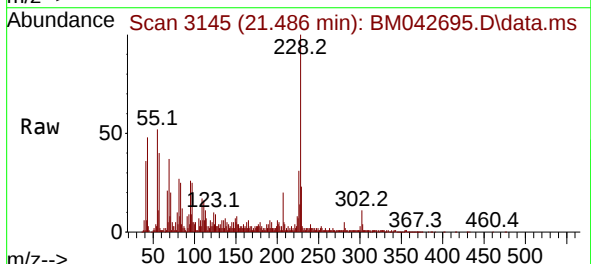
Tgt Ion:228 Resp: 147205
Ion Ratio Lower Upper
228 100
226 30.5 22.3 33.5
229 22.2 15.8 23.8

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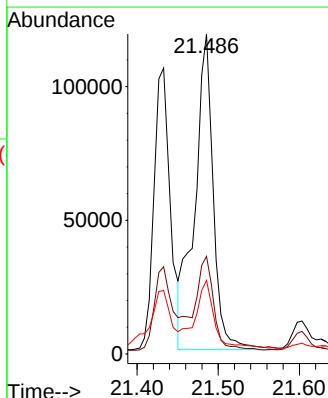
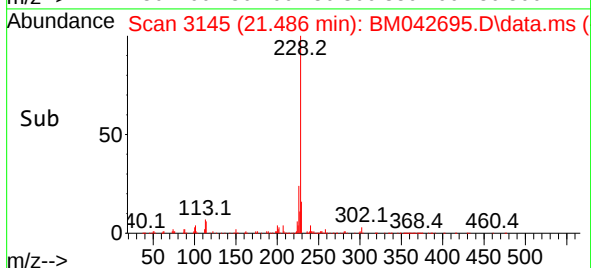
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

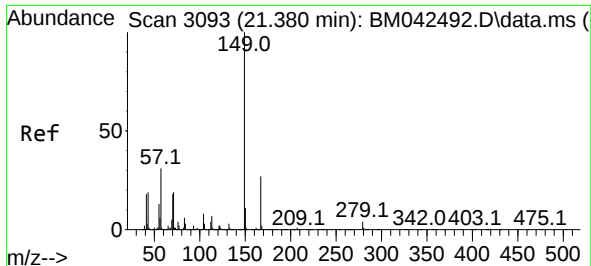


#83
Chrysene
Concen: 11.240 ng
RT: 21.486 min Scan# 3145
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22



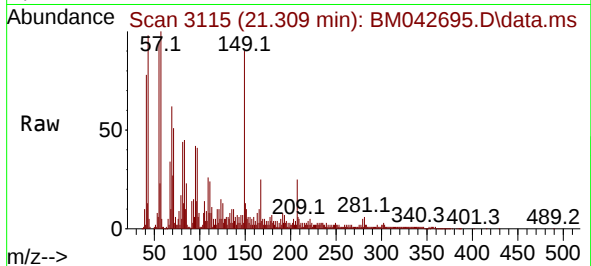
Tgt Ion:228 Resp: 189745
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 23.0 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 6.620 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

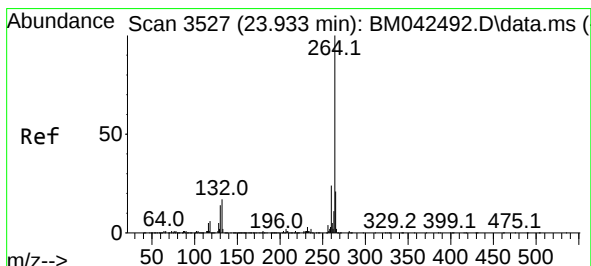
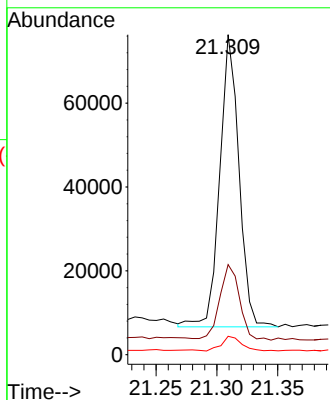
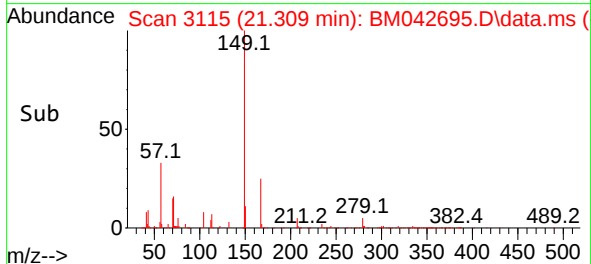
Instrument :
BNA_M
ClientSampleId :
208



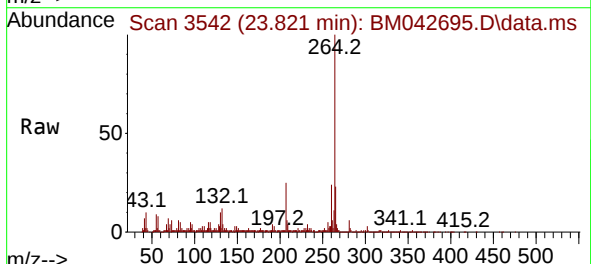
Tgt Ion:149 Resp: 76640
Ion Ratio Lower Upper
149 100
167 28.2 21.4 32.0
279 5.7 3.4 5.2

Manual Integrations
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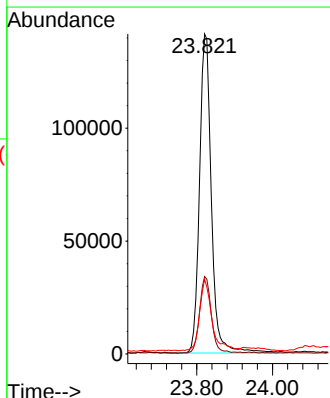
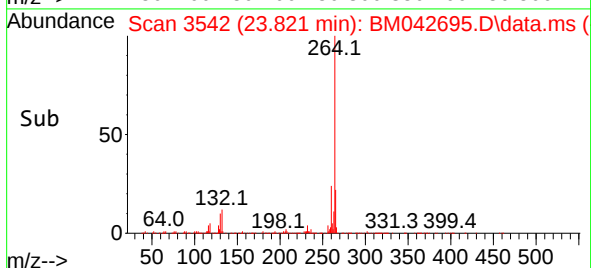
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

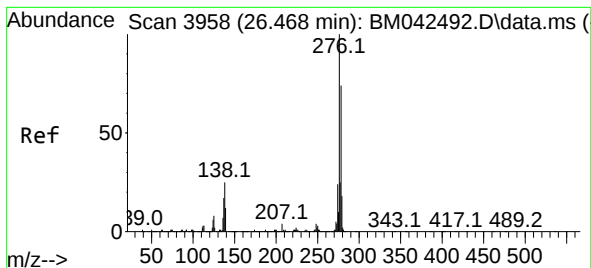


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.821 min Scan# 3542
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22



Tgt Ion:264 Resp: 307587
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.4
265 23.3 18.7 28.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.761 ng

RT: 26.297 min Scan# 3958

Delta R.T. -0.006 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

Instrument :

BNA_M

ClientSampleId :

208

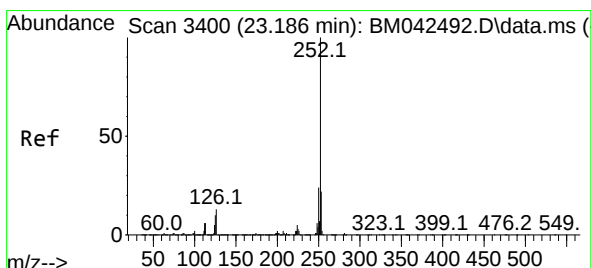
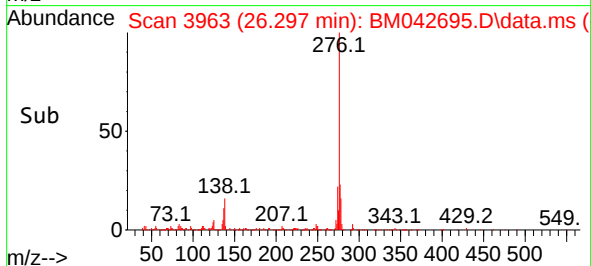
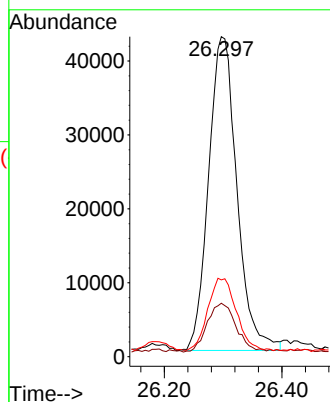
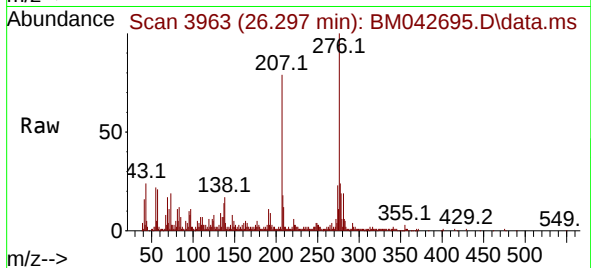
Tgt Ion:	276	Resp:	14208
Ion Ratio	Lower	Upper	
276	100		
138	15.9	20.6	31.0
277	23.0	19.5	29.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/16/2023



#88

Benzo(b)fluoranthene

Concen: 15.731 ng

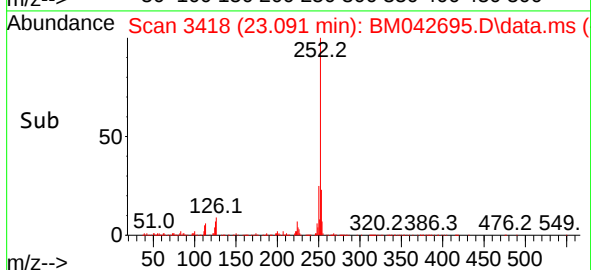
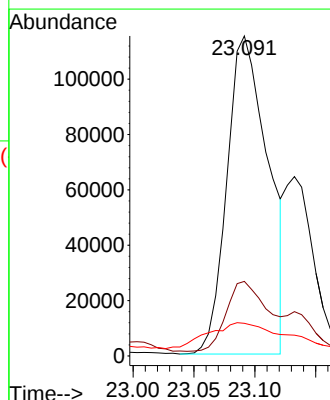
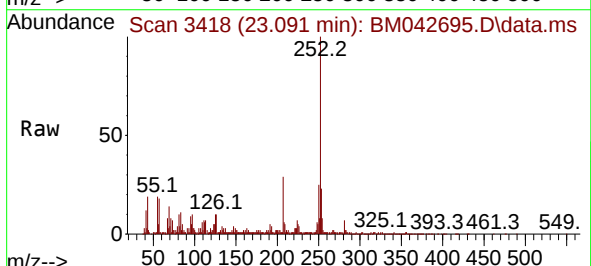
RT: 23.091 min Scan# 3418

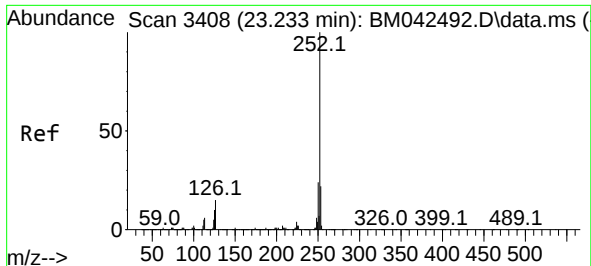
Delta R.T. 0.006 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

Tgt Ion:	252	Resp:	269572
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.5	26.3
125	10.2	7.8	11.6





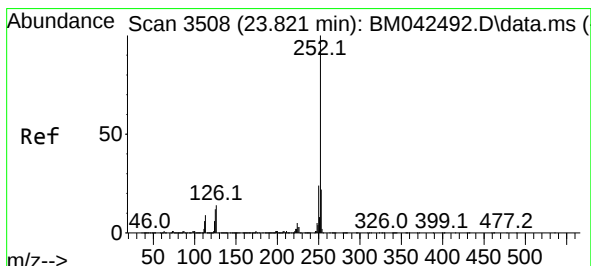
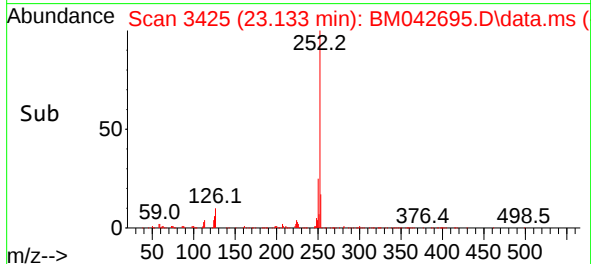
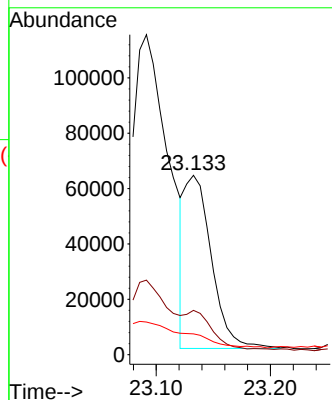
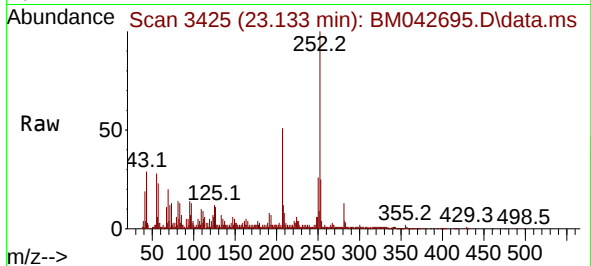
#89
Benzo(k)fluoranthene
Concen: 5.311 ng m
RT: 23.133 min Scan# 3408
Delta R.T. -0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Instrument :
BNA_M
ClientSampleId :
208

Tgt Ion:252 Resp: 101418
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 11.6 8.2 12.4

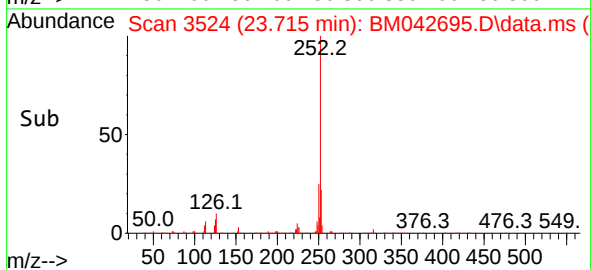
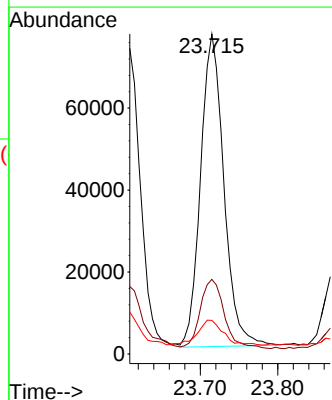
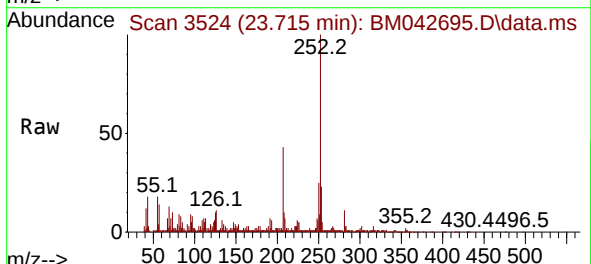
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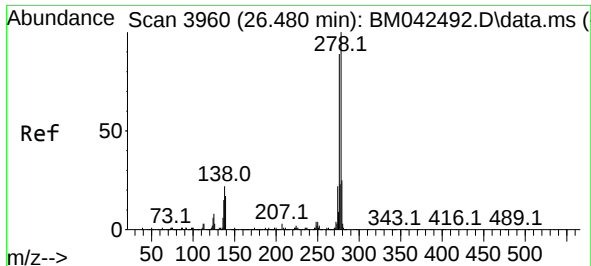
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#90
Benzo(a)pyrene
Concen: 9.440 ng
RT: 23.715 min Scan# 3524
Delta R.T. -0.000 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:252 Resp: 159263
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.5 9.4 14.2





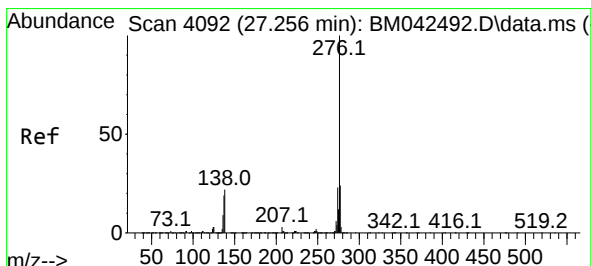
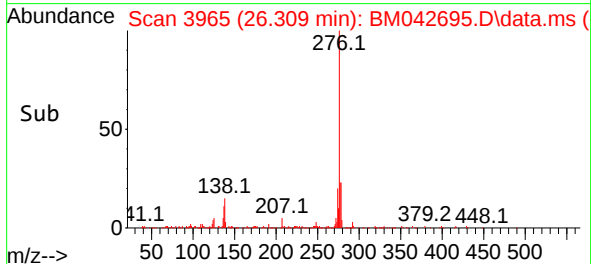
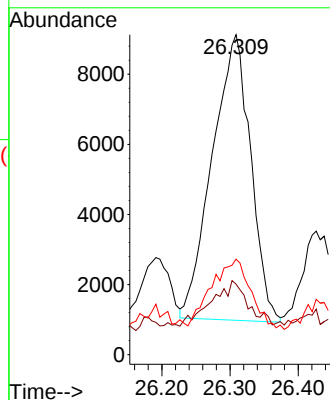
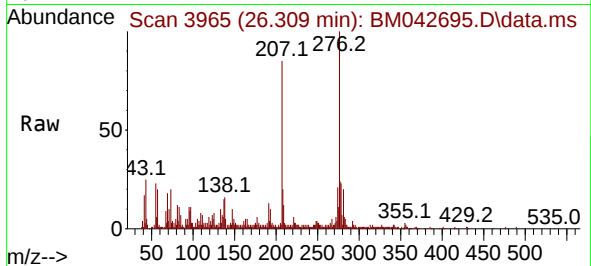
#91
Dibenzo(a,h)anthracene
Concen: 5.861 ng
RT: 26.309 min Scan# 3960
Delta R.T. -0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Instrument :
BNA_M
ClientSampleId :
208

Tgt Ion:278 Resp: 3186
Ion Ratio Lower Upper
278 100
139 22.1 13.4 20.2
279 29.8 19.7 29.5

Manual Integrations
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Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#92
Benzo(g,h,i)perylene
Concen: 9.285 ng
RT: 27.079 min Scan# 4096
Delta R.T. -0.000 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:276 Resp: 149820
Ion Ratio Lower Upper
276 100
277 24.8 19.2 28.8
138 17.1 17.3 25.9

