

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
 Data File : BM042693.D
 Acq On : 10 Nov 2023 16:09
 Operator : MA/JU
 Sample : 05279-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-1

Quant Time: Nov 10 16:56:21 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	45908	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	185689	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	126534	20.000	ng	0.00
64) Phenanthrene-d10	17.256	188	292466	20.000	ng	# 0.00
76) Chrysene-d12	21.439	240	256008	20.000	ng	# 0.00
86) Perylene-d12	23.815	264	264031	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	363416	127.758	ng	0.00
7) Phenol-d6	7.016	99	517070	132.541	ng	0.00
23) Nitrobenzene-d5	9.045	82	366701	92.059	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	289633	175.322	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	875691	93.124	ng	0.00
79) Terphenyl-d14	19.874	244	1643696	108.866	ng	0.00
Target Compounds						Qvalue
56) 4-Nitrophenol	14.904	139	638	7.283	ng	# 28
71) Phenanthrene	17.298	178	42472	2.779	ng	98
75) Fluoranthene	19.315	202	115336	6.424	ng	97
78) Pyrene	19.680	202	110348	6.277	ng	97
81) Benzo(a)anthracene	21.421	228	57327	3.519	ng	98
83) Chrysene	21.474	228	54171m	3.274	ng	
84) Bis(2-ethylhexyl)phtha...	21.303	149	65549	5.777	ng	97
87) Indeno(1,2,3-cd)pyrene	26.285	276	31544	2.007	ng	# 90
88) Benzo(b)fluoranthene	23.086	252	67954	4.620	ng	# 95
90) Benzo(a)pyrene	23.709	252	49120	3.392	ng	96
92) Benzo(g,h,i)perylene	27.062	276	34174	2.467	ng	# 94

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

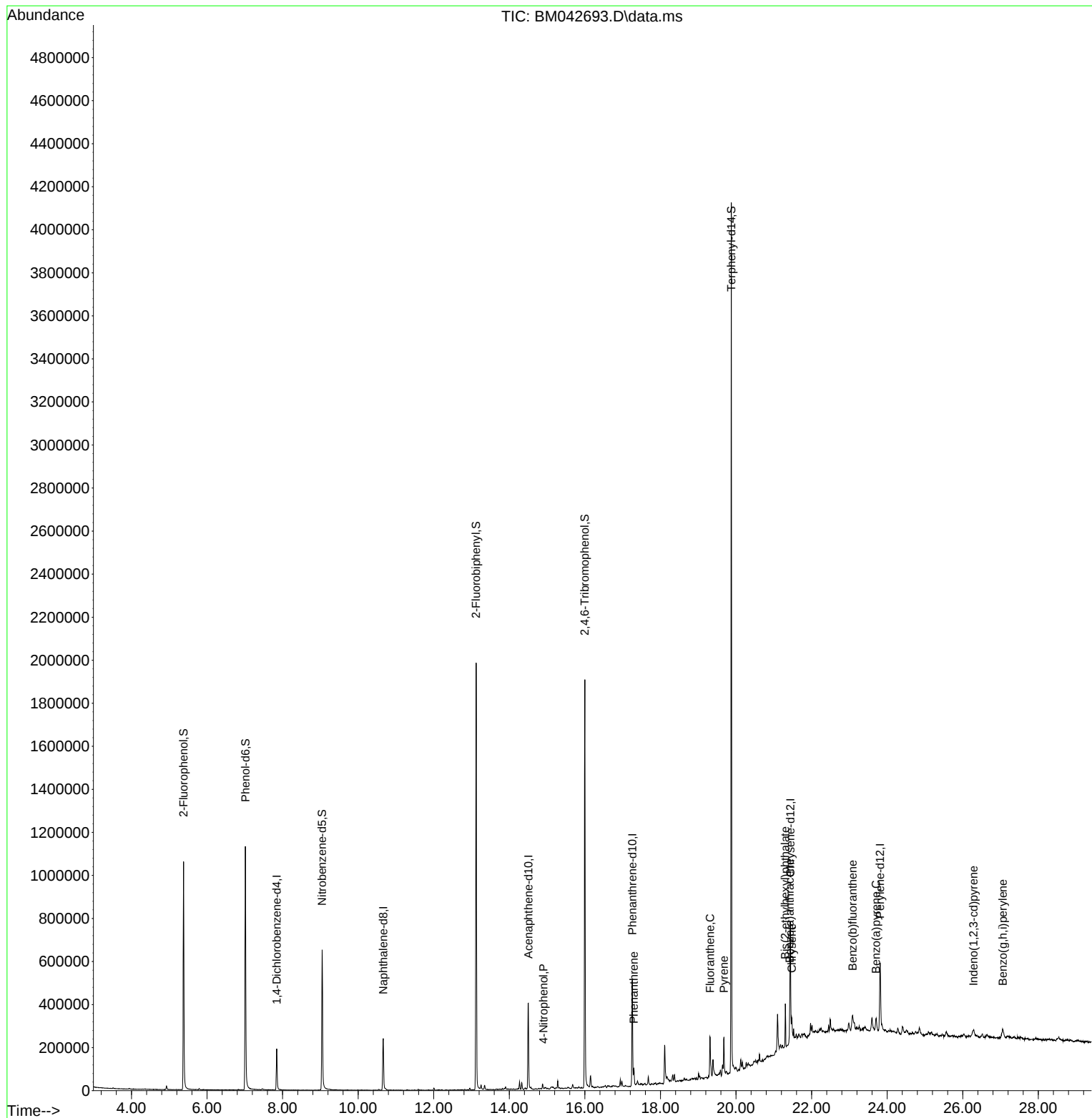
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042693.D
Acq On : 10 Nov 2023 16:09
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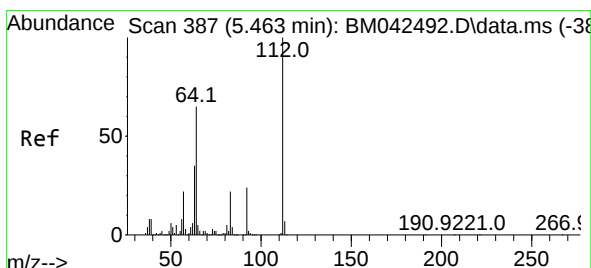
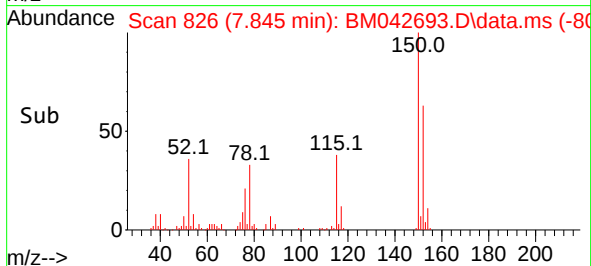
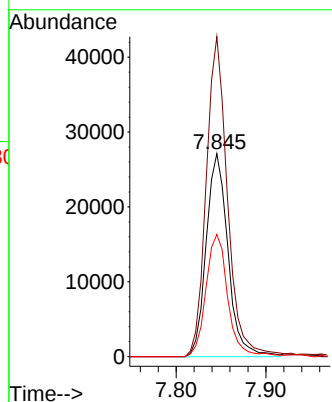
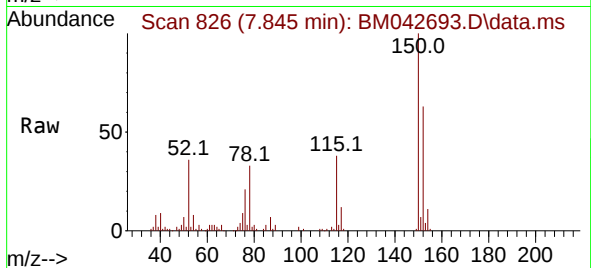
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Instrument :
BNA_M
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 45908
Ion Ratio Lower Upper
152 100
150 157.6 127.4 191.0
115 60.2 47.9 71.9

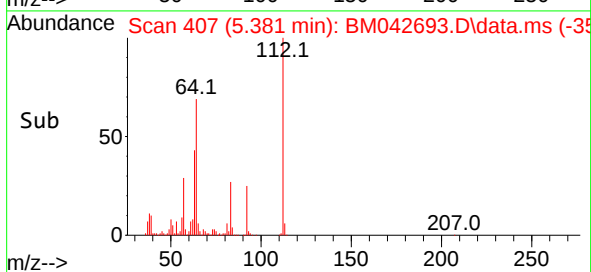
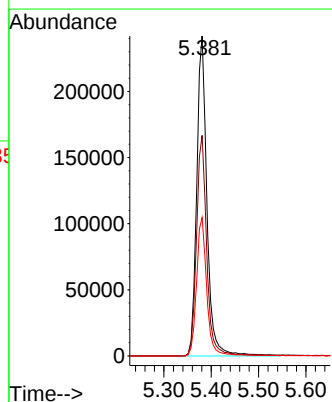
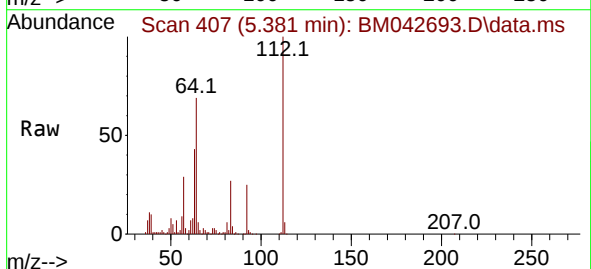
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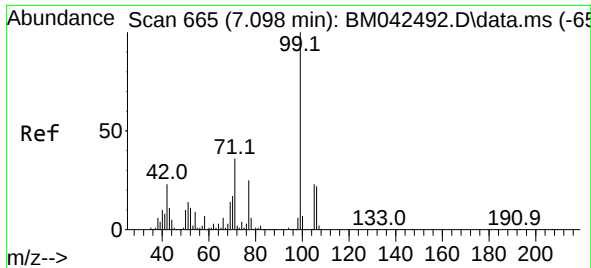
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#5
2-Fluorophenol
Concen: 127.758 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:112 Resp: 363416
Ion Ratio Lower Upper
112 100
64 68.9 52.1 78.1
63 43.3 28.3 42.5#





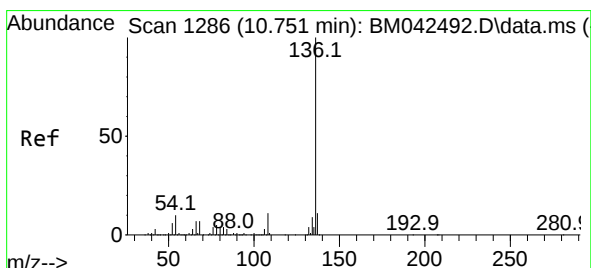
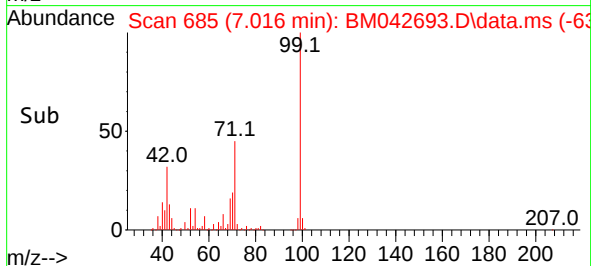
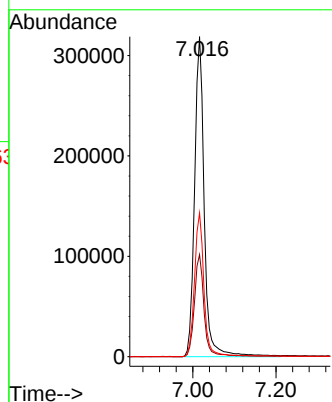
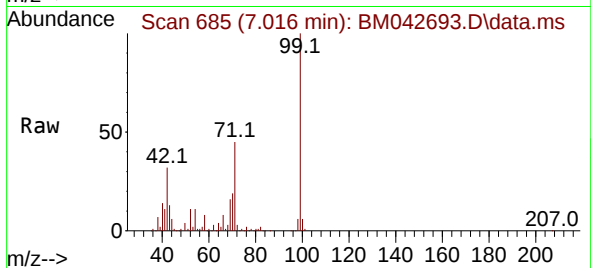
#7
Phenol-d6
Concen: 132.541 ng
RT: 7.016 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Instrument :
BNA_M
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 517070
Ion Ratio Lower Upper
99 100
42 31.9 18.7 28.1
71 44.9 29.1 43.7

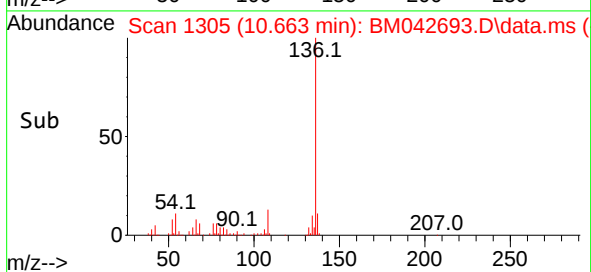
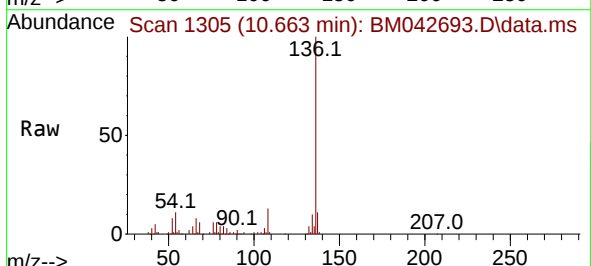
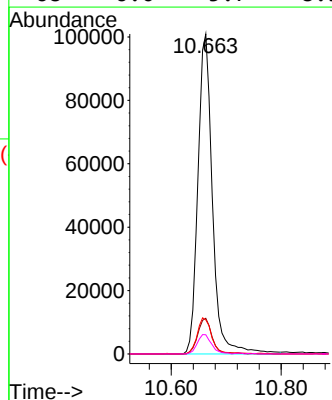
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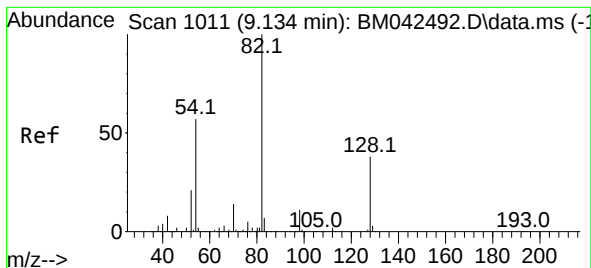
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:136 Resp: 185689
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.6 8.0 12.0
68 6.0 5.7 8.5





#23

Nitrobenzene-d5

Concen: 92.059 ng

RT: 9.045 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BM042693.D

Acq: 10 Nov 2023 16:09

Instrument :

BNA_M

ClientSampleId :

TP-1

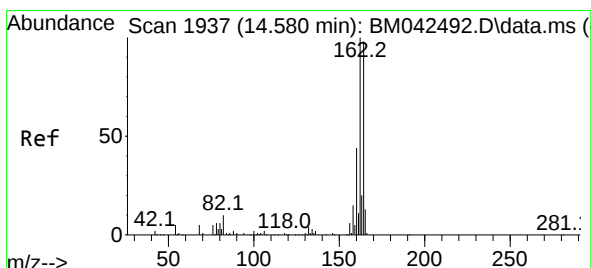
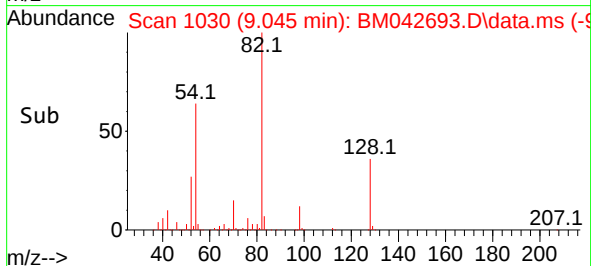
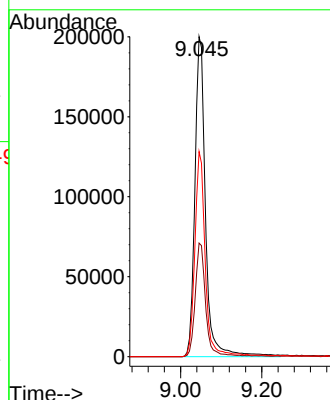
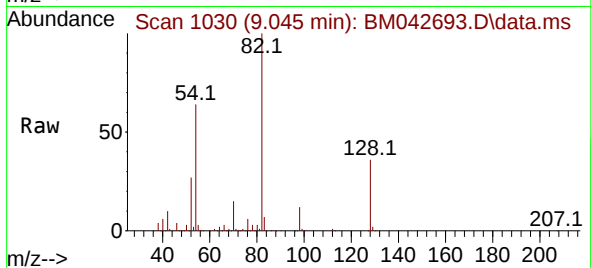
Tgt Ion: 82 Resp: 36670

Ion	Ratio	Lower	Upper
82	100		
128	35.5	30.7	46.1
54	64.1	45.3	67.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.504 min Scan# 1958

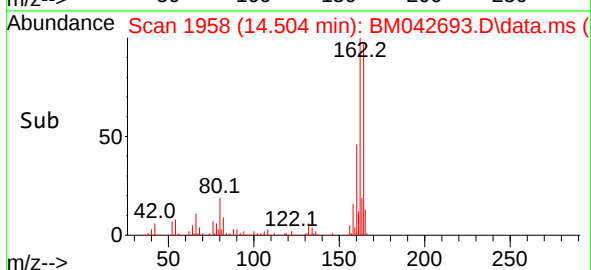
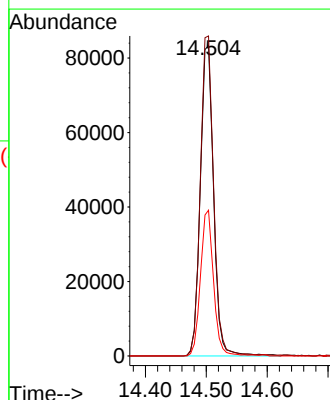
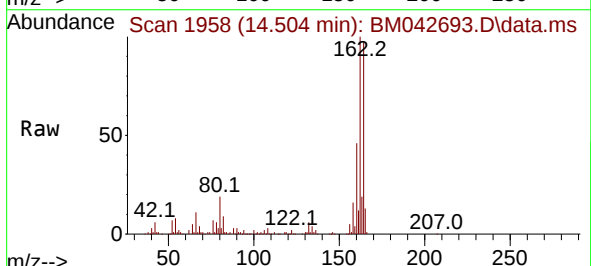
Delta R.T. -0.000 min

Lab File: BM042693.D

Acq: 10 Nov 2023 16:09

Tgt Ion:164 Resp: 126534

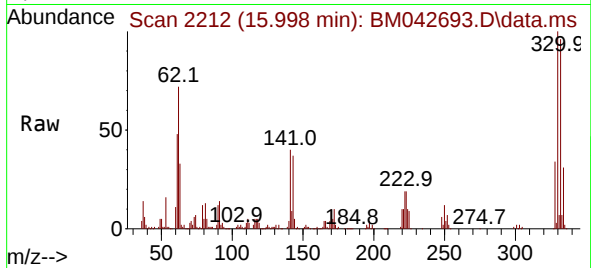
Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.6	122.4
160	47.0	36.2	54.4





#42
2,4,6-Tribromophenol
Concen: 175.322 ng
RT: 15.998 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

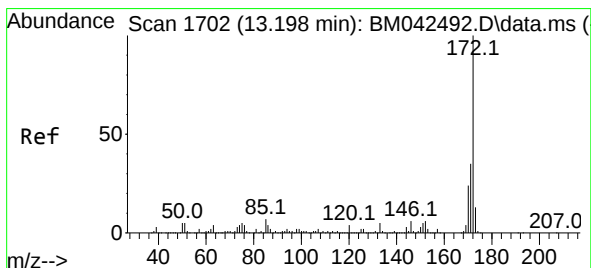
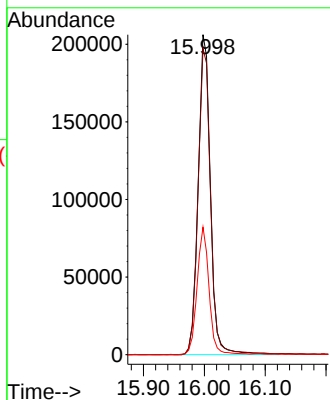
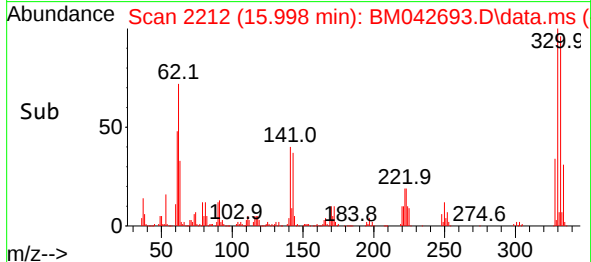
Instrument :
BNA_M
ClientSampleId :
TP-1



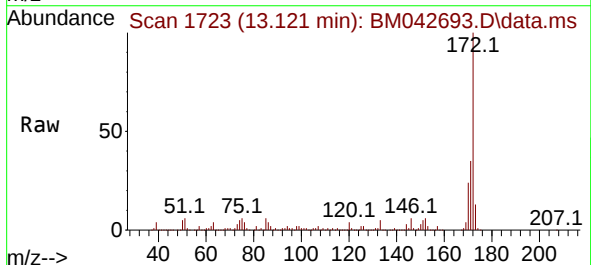
Tgt Ion:330 Resp: 28963
Ion Ratio Lower Upper
330 100
332 97.7 78.8 118.2
141 38.8 31.1 46.7

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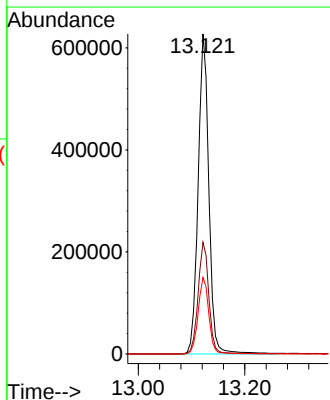
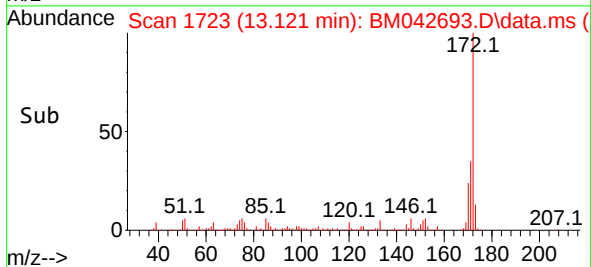
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

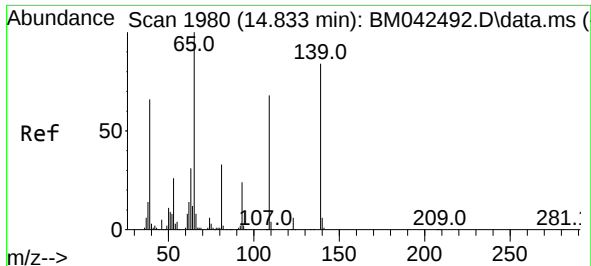


#45
2-Fluorobiphenyl
Concen: 93.124 ng
RT: 13.121 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09



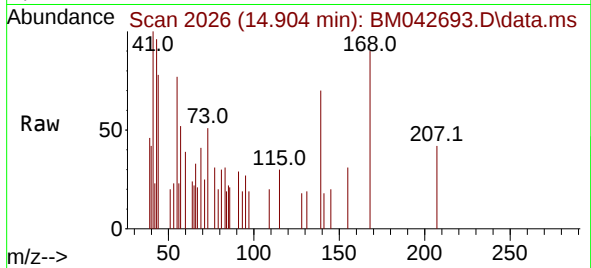
Tgt Ion:172 Resp: 875691
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.9 19.0 28.4





#56
4-Nitrophenol
Concen: 7.283 ng
RT: 14.904 min Scan# 2026
Delta R.T. 0.147 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

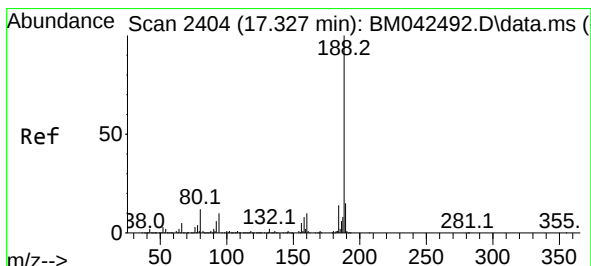
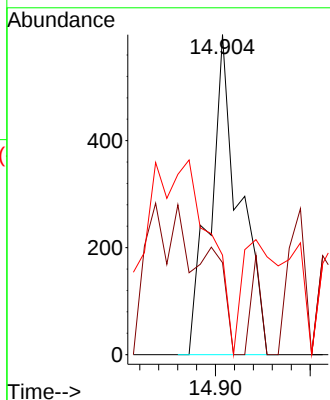
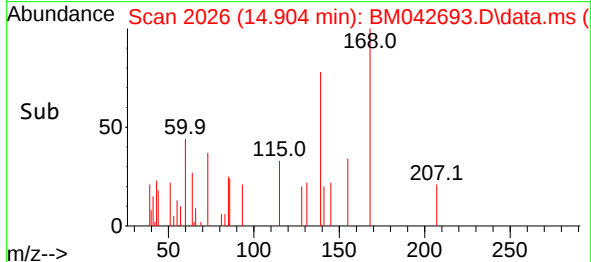
Instrument :
BNA_M
ClientSampleId :
TP-1



Tgt Ion:139 Resp: 638
Ion Ratio Lower Upper
139 100
109 28.8 61.3 101.3#
65 31.1 100.2 140.2#

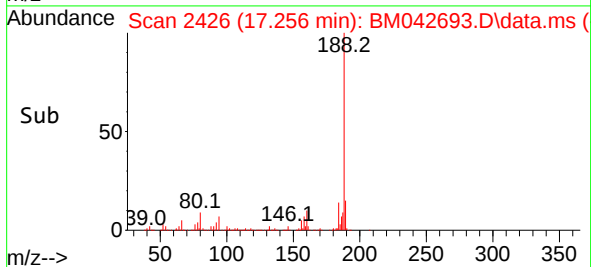
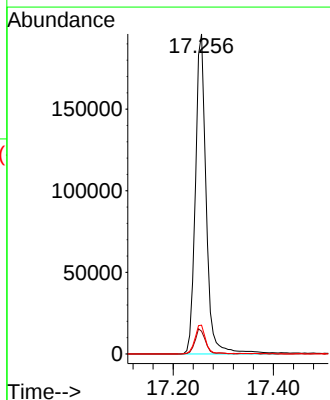
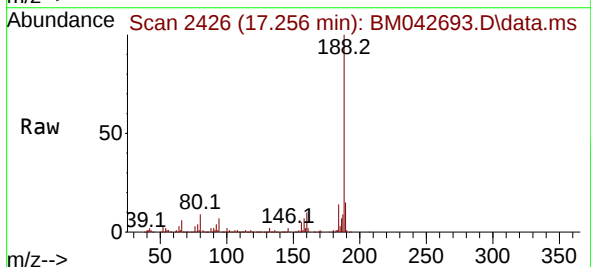
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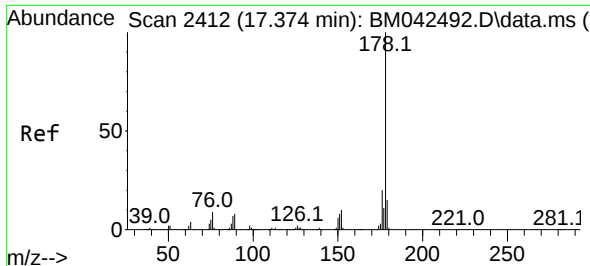
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.256 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

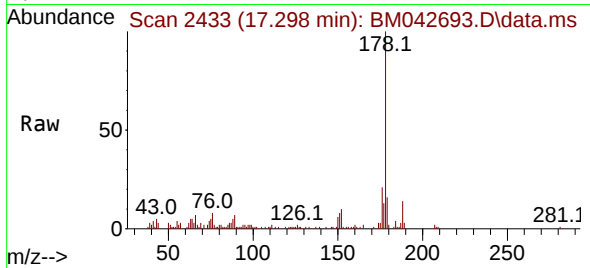
Tgt Ion:188 Resp: 292466
Ion Ratio Lower Upper
188 100
94 7.1 8.2 12.4#
80 9.0 9.4 14.2#





#71
Phenanthrene
Concen: 2.779 ng
RT: 17.298 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

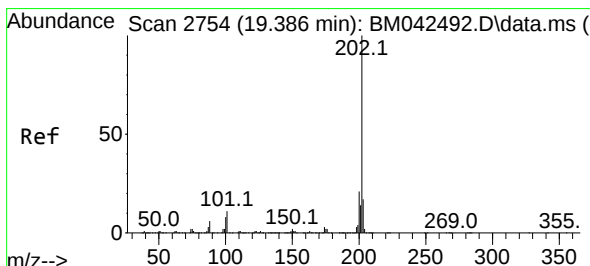
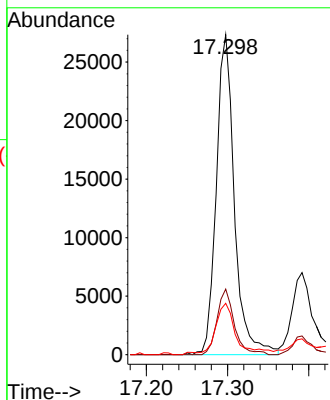
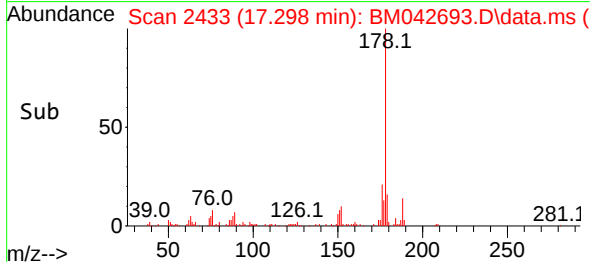
Instrument :
BNA_M
ClientSampleId :
TP-1



Tgt Ion:178 Resp: 42472
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 16.0 12.2 18.4

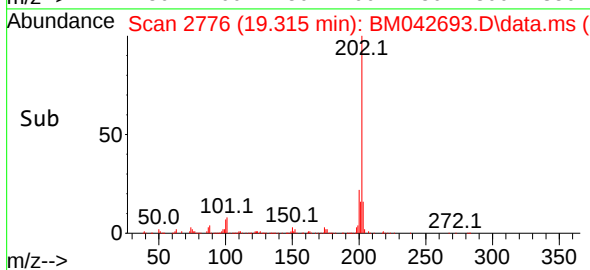
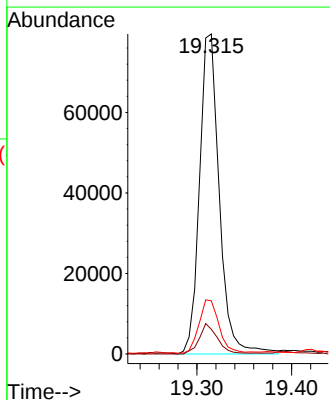
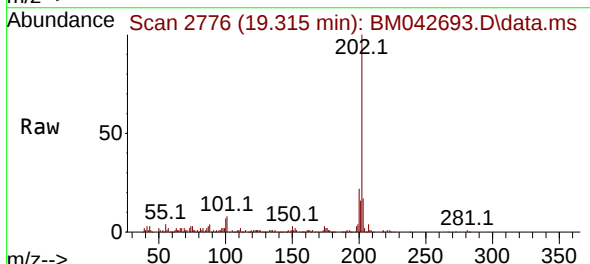
Manual Integrations
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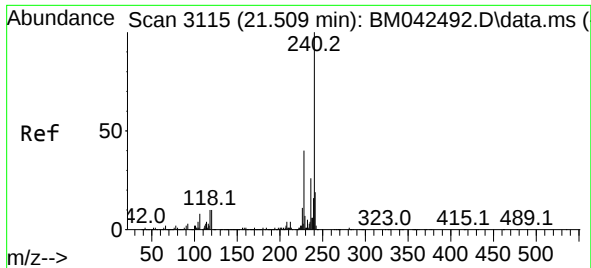
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#75
Fluoranthene
Concen: 6.424 ng
RT: 19.315 min Scan# 2776
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

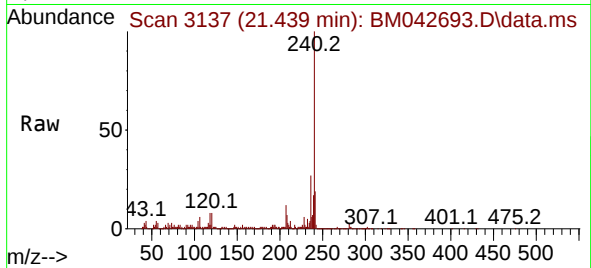
Tgt Ion:202 Resp: 115336
Ion Ratio Lower Upper
202 100
101 7.7 0.0 30.5
203 16.6 0.0 37.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

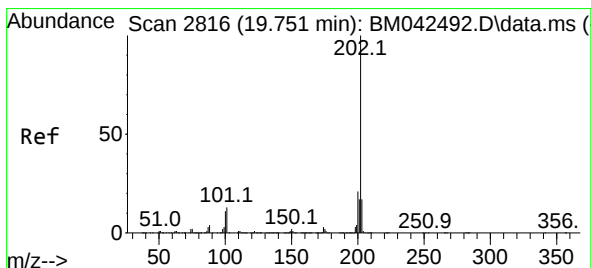
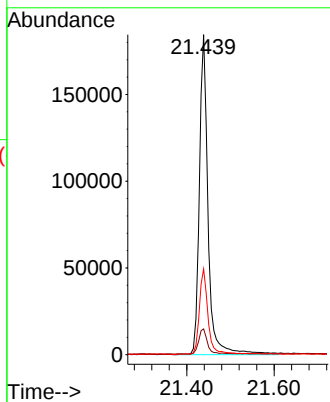
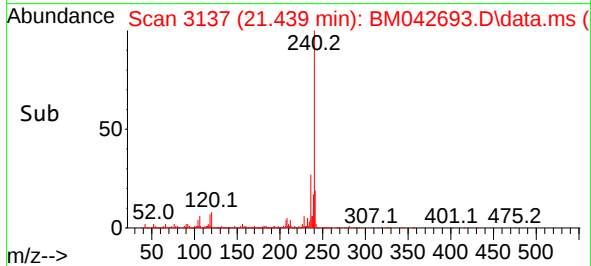
Instrument :
BNA_M
ClientSampleId :
TP-1



Tgt Ion:240 Resp: 256000
Ion Ratio Lower Upper
240 100
120 8.0 8.3 12.5
236 26.8 20.8 31.2

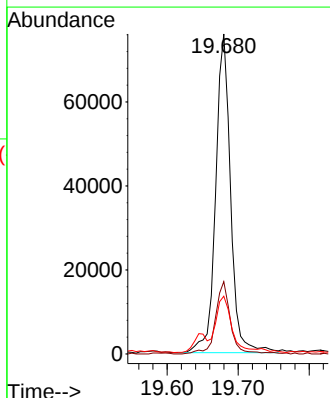
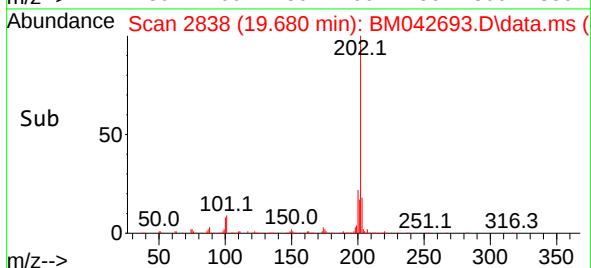
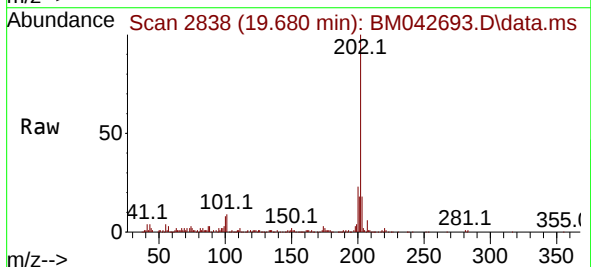
Manual Integrations
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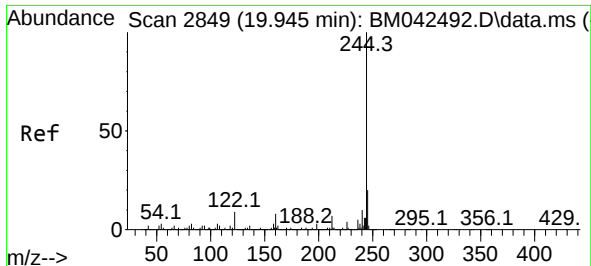
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#78
Pyrene
Concen: 6.277 ng
RT: 19.680 min Scan# 2838
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

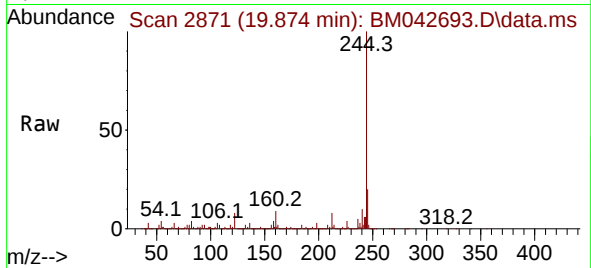
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Ion Ratio Lower Upper
202 100
200 22.6 16.9 25.3
203 18.1 13.7 20.5





#79
 Terphenyl-d14
 Concen: 108.866 ng
 RT: 19.874 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM042693.D
 Acq: 10 Nov 2023 16:09

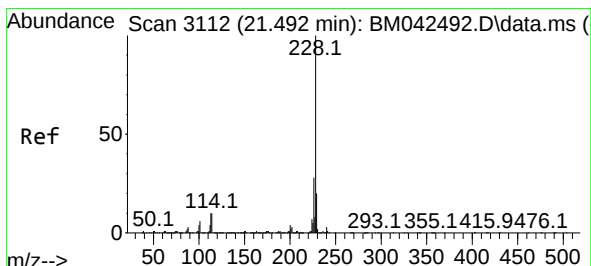
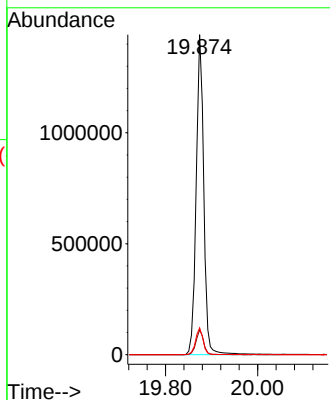
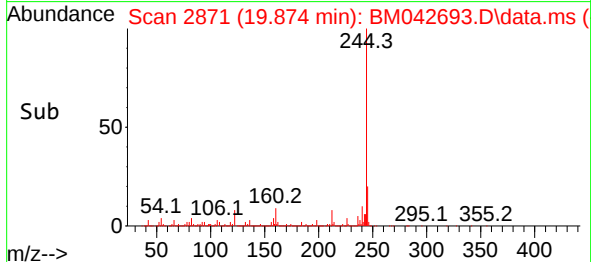
Instrument :
 BNA_M
 ClientSampleId :
 TP-1



Tgt Ion:244 Resp: 1643690
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 8.4 7.2 10.8

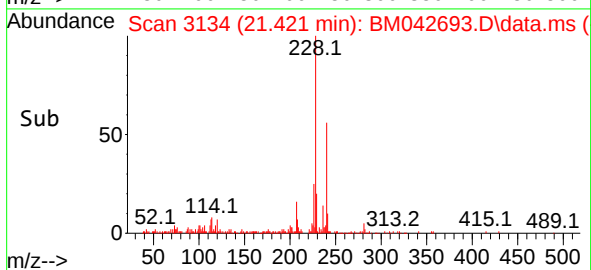
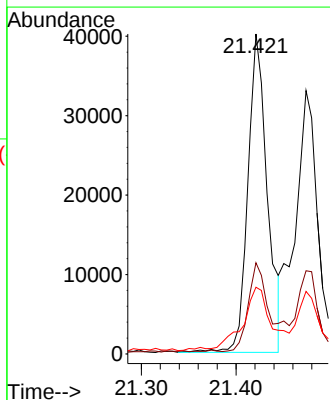
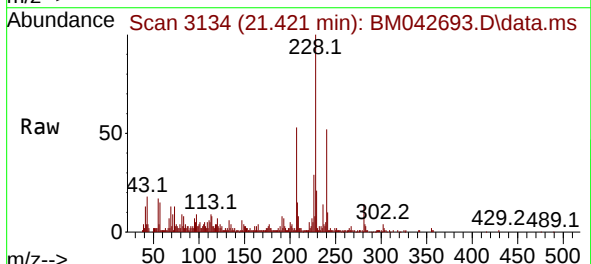
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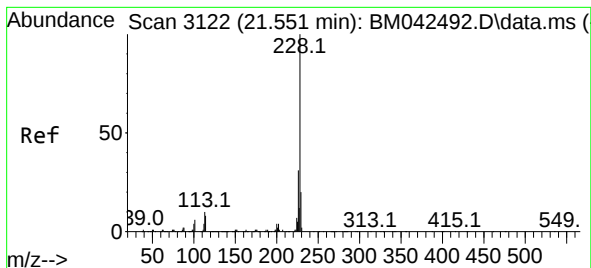
Reviewed By :Yogesh Patel 11/14/2023
 Supervised By :mohammad ahmed 11/16/2023



#81
 Benzo(a)anthracene
 Concen: 3.519 ng
 RT: 21.421 min Scan# 3134
 Delta R.T. -0.006 min
 Lab File: BM042693.D
 Acq: 10 Nov 2023 16:09

Tgt Ion:228 Resp: 57327
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.3 33.5
 229 20.9 15.8 23.8





#83

Chrysene

Concen: 3.274 ng m

RT: 21.474 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM042693.D

Acq: 10 Nov 2023 16:09

Instrument :

BNA_M

ClientSampleId :

TP-1

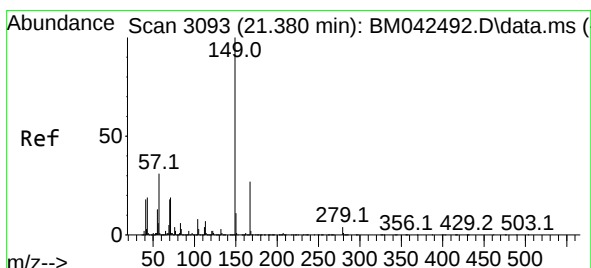
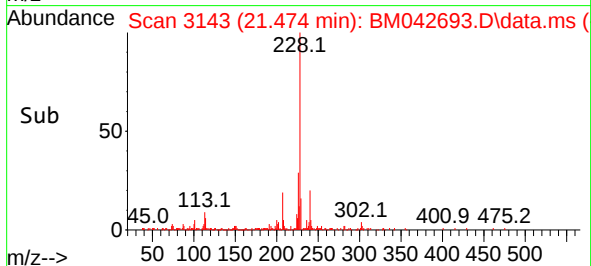
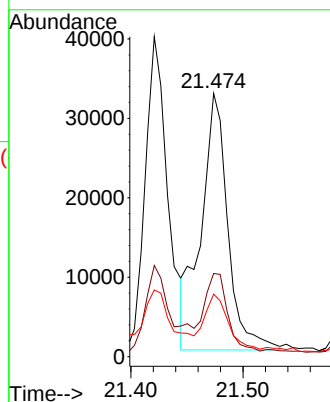
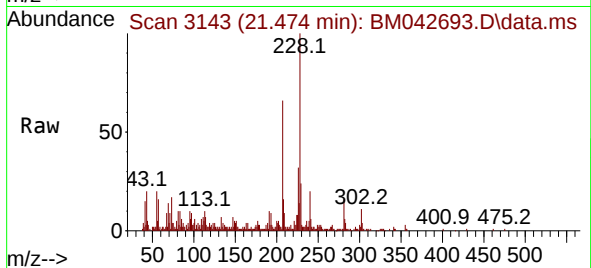
Tgt Ion:	228	Resp:	5417
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.4	36.6
229	23.7	15.7	23.5

Manual Integrations

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Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/16/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.777 ng

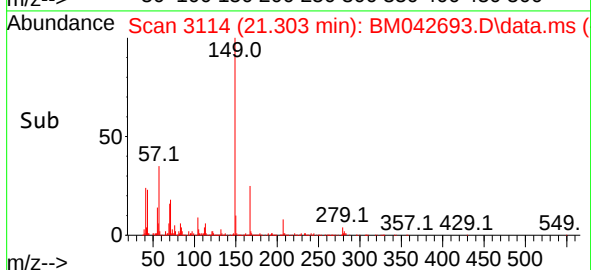
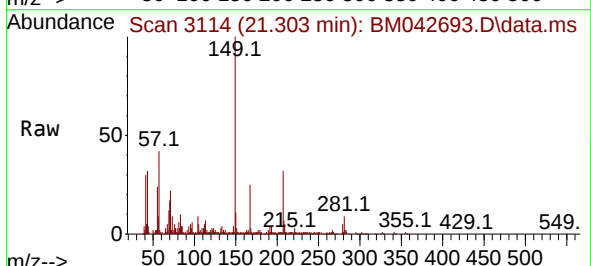
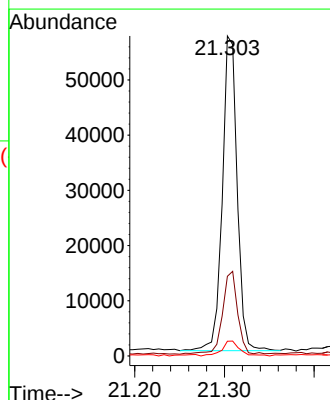
RT: 21.303 min Scan# 3114

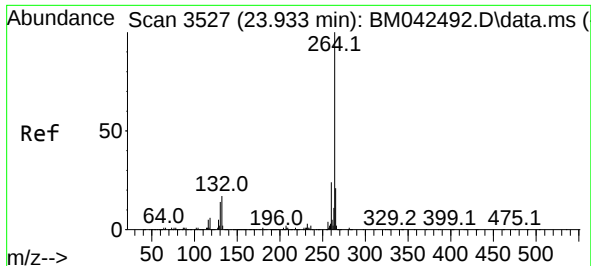
Delta R.T. -0.006 min

Lab File: BM042693.D

Acq: 10 Nov 2023 16:09

Tgt Ion:	149	Resp:	65549
Ion Ratio	Lower	Upper	
149	100		
167	24.9	21.4	32.0
279	4.6	3.4	5.2





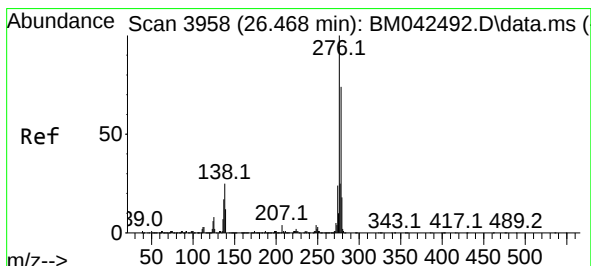
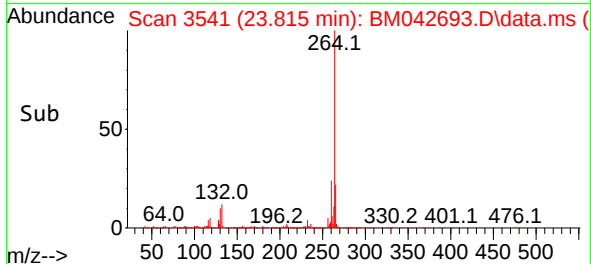
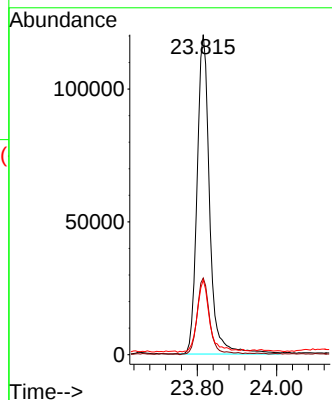
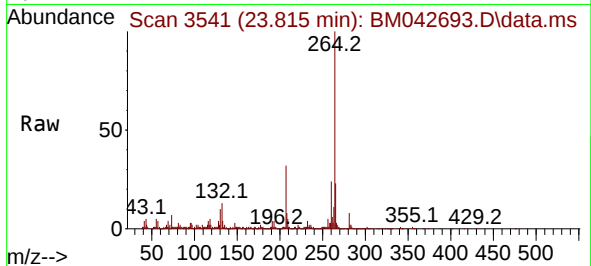
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.815 min Scan# 3541
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Instrument :
BNA_M
ClientSampleId :
TP-1

Tgt Ion:264 Resp: 26403
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 23.4 18.7 28.1

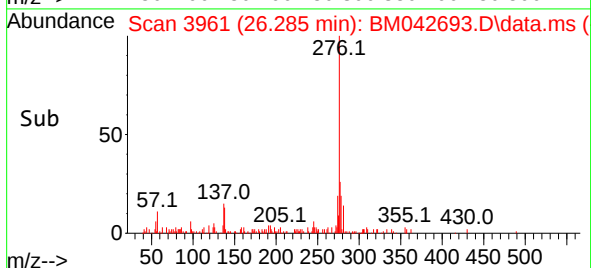
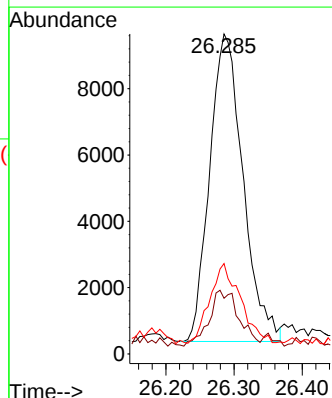
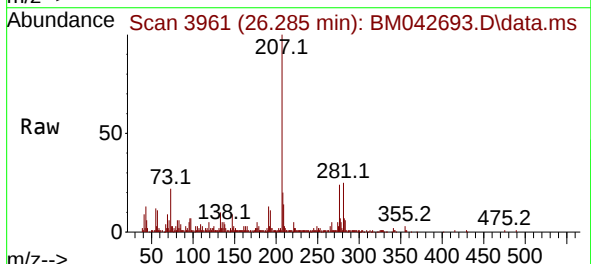
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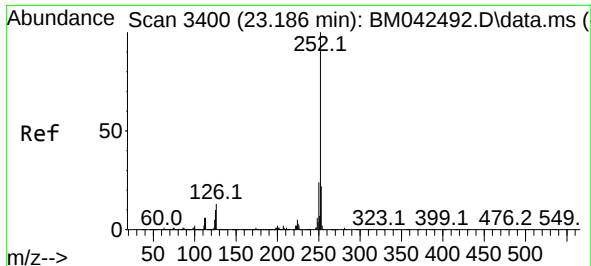
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.007 ng
RT: 26.285 min Scan# 3961
Delta R.T. -0.018 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:276 Resp: 31544
Ion Ratio Lower Upper
276 100
138 16.2 20.6 31.0#
277 24.0 19.5 29.3





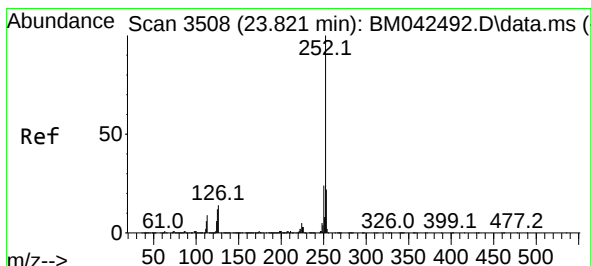
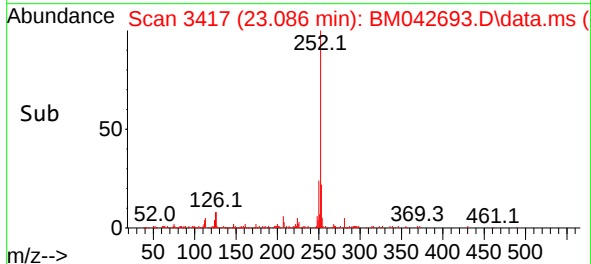
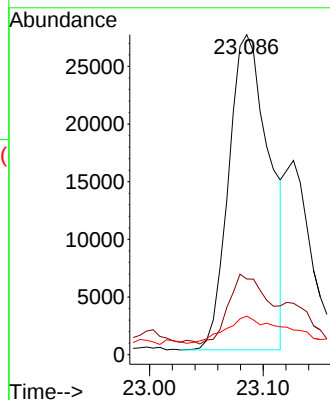
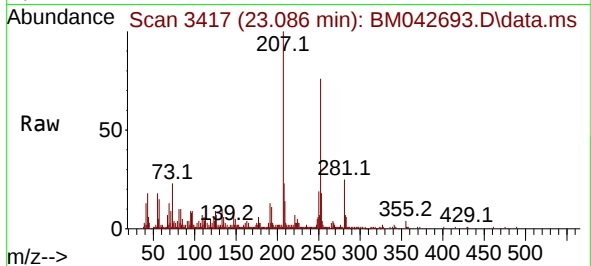
#88
Benzo(b)fluoranthene
Concen: 4.620 ng
RT: 23.086 min Scan# 3400
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Instrument :
BNA_M
ClientSampleId :
TP-1

Tgt Ion:252 Resp: 67954
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 12.0 7.8 11.6

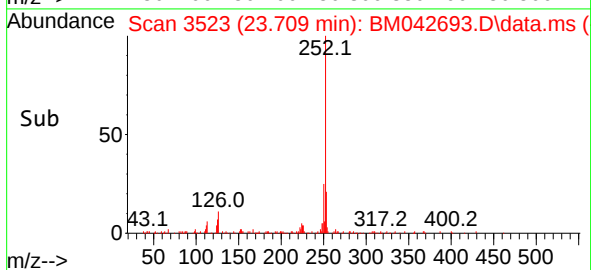
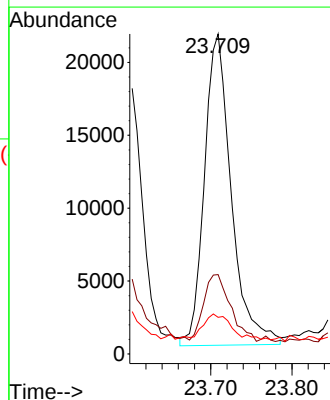
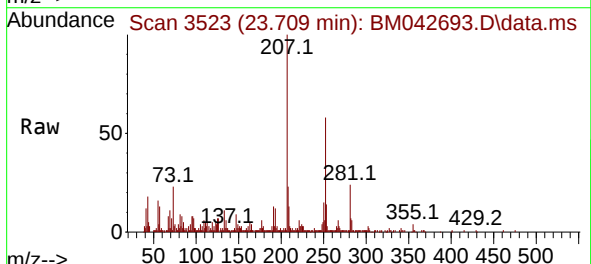
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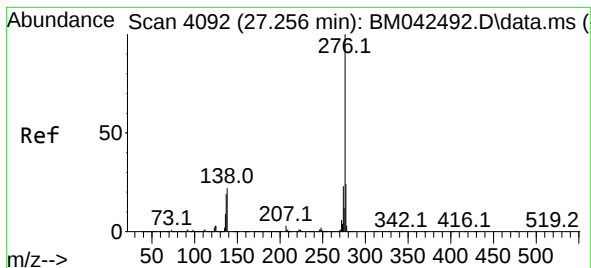
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#90
Benzo(a)pyrene
Concen: 3.392 ng
RT: 23.709 min Scan# 3523
Delta R.T. -0.006 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

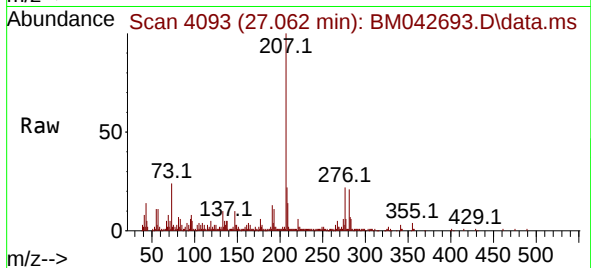
Tgt Ion:252 Resp: 49120
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 11.4 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.467 ng
 RT: 27.062 min Scan# 4093
 Delta R.T. -0.018 min
 Lab File: BM042693.D
 Acq: 10 Nov 2023 16:09

Instrument :
 BNA_M
 ClientSampleId :
 TP-1



Tgt Ion: 276 Resp: 34174
 Ion Ratio Lower Upper
 276 100
 277 29.2 19.2 28.8
 138 22.0 17.3 25.9

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

