

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032524\
 Data File : BM044761.D
 Acq On : 25 Mar 2024 18:24
 Operator : MA/JU
 Sample : P1847-01DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-032224DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/26/2024
 Supervised By :mohammad ahmed 03/27/2024

Quant Time: Mar 26 01:22:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	171318	20.000	ng	0.00
21) Naphthalene-d8	10.475	136	618980	20.000	ng	-0.01
39) Acenaphthene-d10	14.339	164	308593	20.000	ng	-0.01
64) Phenanthrene-d10	17.098	188	565815	20.000	ng	0.00
76) Chrysene-d12	21.298	240	490598	20.000	ng	0.00
86) Perylene-d12	23.551	264	581806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.311	112	80206	6.722	ng	0.00
7) Phenol-d6	6.881	99	92684	6.038	ng	0.00
23) Nitrobenzene-d5	8.857	82	56626	4.407	ng	0.00
42) 2,4,6-Tribromophenol	15.845	330	22792	6.696	ng	0.00
45) 2-Fluorobiphenyl	12.957	172	112201	5.007	ng	-0.01
79) Terphenyl-d14	19.739	244	135654	4.837	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.528	128	101915	3.000	ng	96
49) Acenaphthylene	14.063	152	105982	3.645	ng	98
52) Acenaphthene	14.404	154	94939	5.402	ng	97
55) Dibenzofuran	14.745	168	101863	3.652	ng	# 97
58) Fluorene	15.398	166	160471	7.387	ng	97
71) Phenanthrene	17.145	178	1340546	42.873	ng	99
72) Anthracene	17.233	178	503452	16.054	ng	99
73) Carbazole	17.510	167	90169	3.053	ng	# 93
75) Fluoranthene	19.168	202	2080605	59.525	ng	98
78) Pyrene	19.533	202	2265619	63.009	ng	100
81) Benzo(a)anthracene	21.286	228	1104889	32.367	ng	95
83) Chrysene	21.333	228	995497	30.519	ng	96
87) Indeno(1,2,3-cd)pyrene	25.821	276	554706	13.189	ng	# 93
88) Benzo(b)fluoranthene	22.874	252	1076576m	31.487	ng	
89) Benzo(k)fluoranthene	22.915	252	354534m	10.087	ng	
90) Benzo(a)pyrene	23.451	252	995491	29.851	ng	98
91) Dibenzo(a,h)anthracene	25.821	278	160356	4.522	ng	# 81
92) Benzo(g,h,i)perylene	26.521	276	610770	17.498	ng	96

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

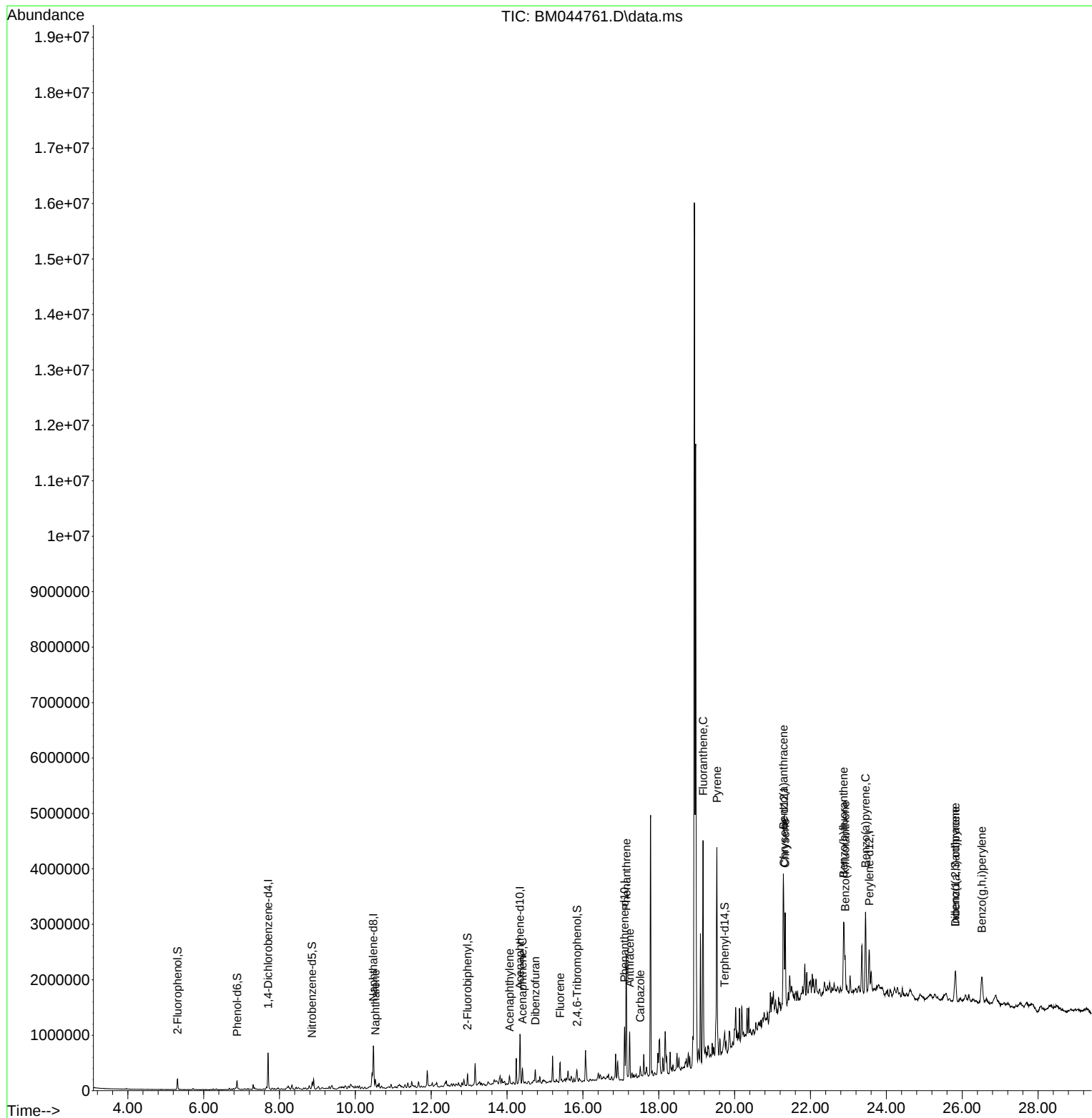
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032524\
Data File : BM044761.D
Acq On : 25 Mar 2024 18:24
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Misc :
ALS Vial : 12 Sample Multiplier: 1

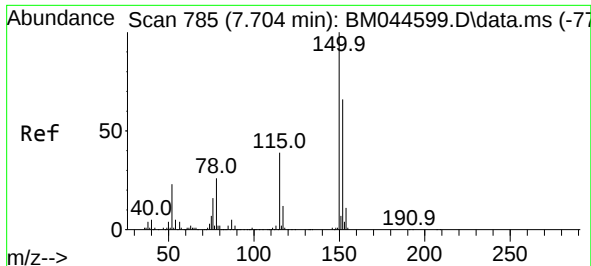
Instrument :
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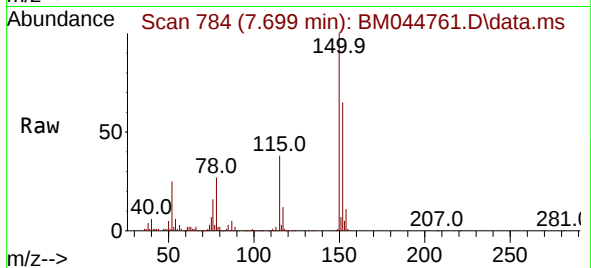
Quant Time: Mar 26 01:22:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 02:28:24 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.699 min Scan# 71
Delta R.T. -0.005 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

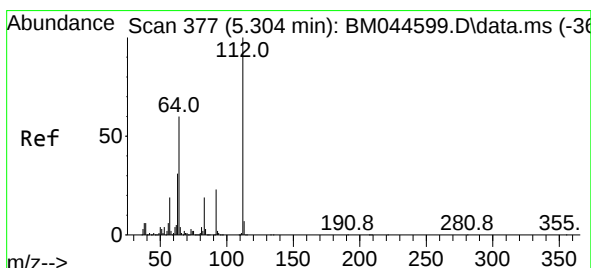
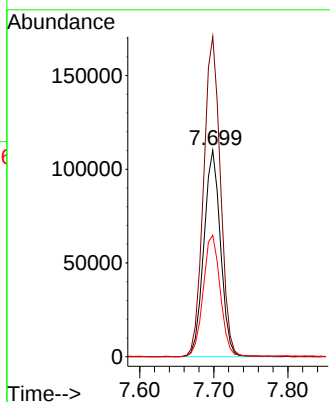
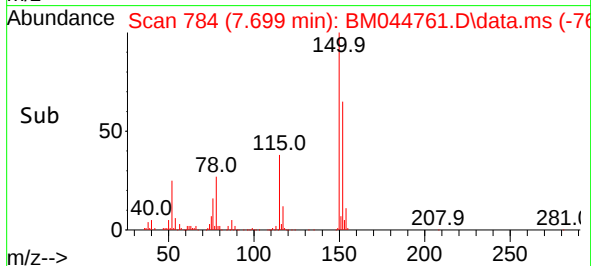
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL



Tgt Ion:152 Resp: 171318
Ion Ratio Lower Upper
152 100
150 155.0 121.9 182.9
115 58.9 47.1 70.7

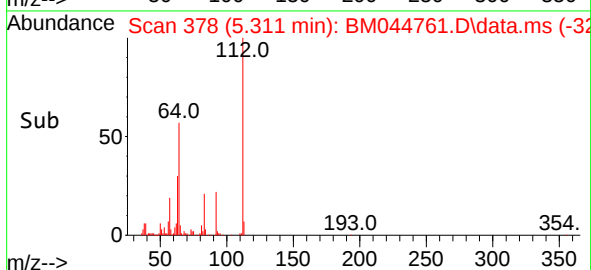
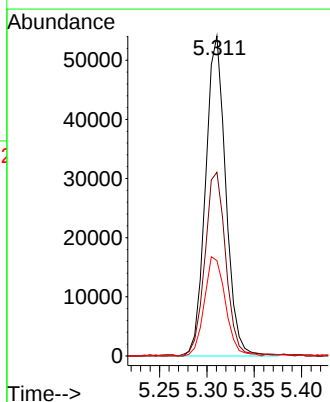
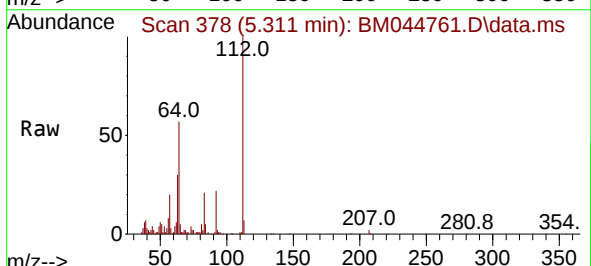
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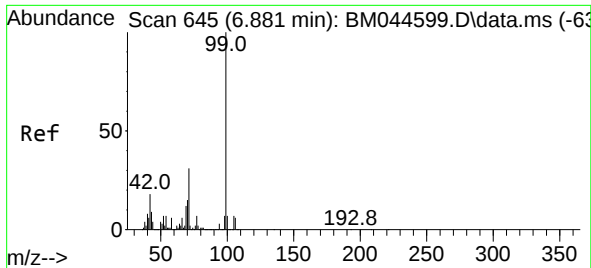
Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024



#5
2-Fluorophenol
Concen: 6.722 ng
RT: 5.311 min Scan# 378
Delta R.T. 0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

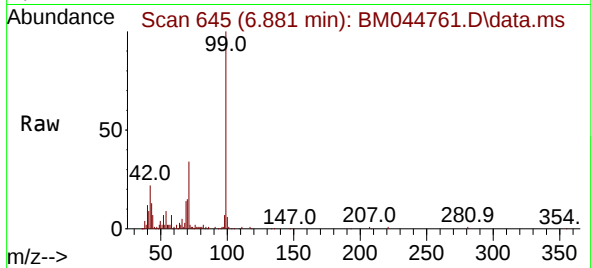
Tgt Ion:112 Resp: 80206
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 29.8 25.0 37.4





#7
Phenol-d6
Concen: 6.038 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

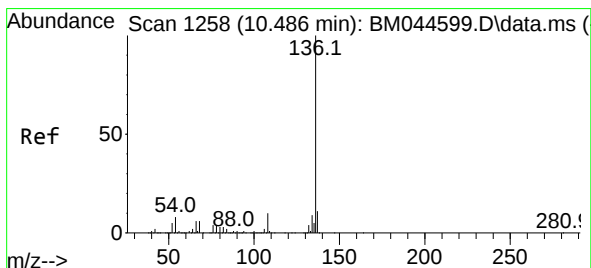
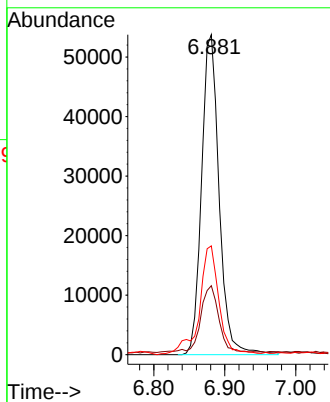
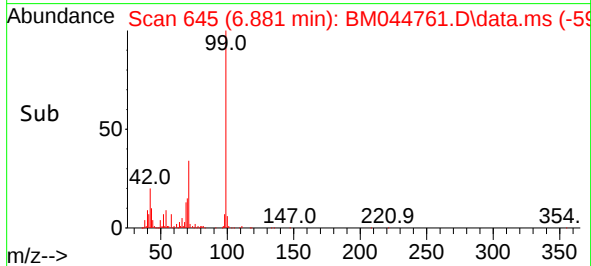
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL



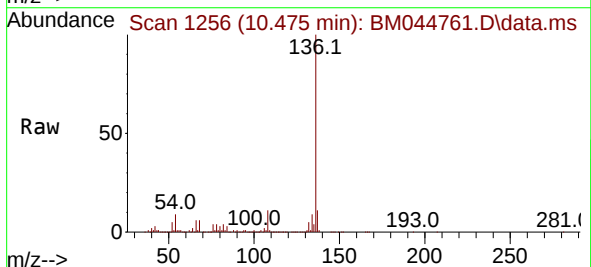
Tgt Ion: 99 Resp: 92684
Ion Ratio Lower Upper
99 100
42 21.6 14.3 21.5
71 34.0 24.5 36.7

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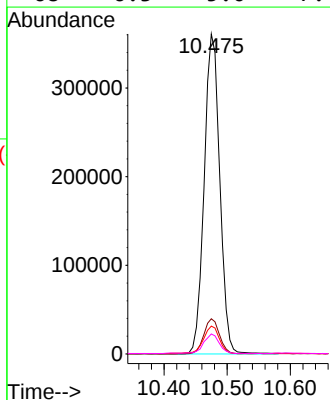
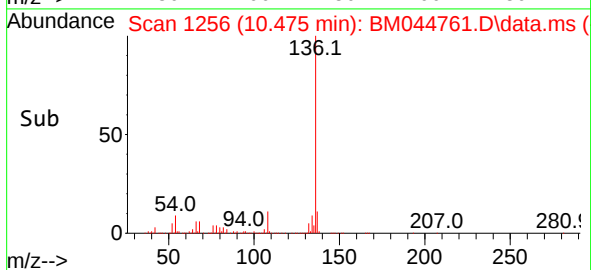
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Supervised By :mohammad ahmed 03/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.011 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24



Tgt Ion:136 Resp: 618980
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.7 6.6 10.0
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 4.407 ng

RT: 8.857 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

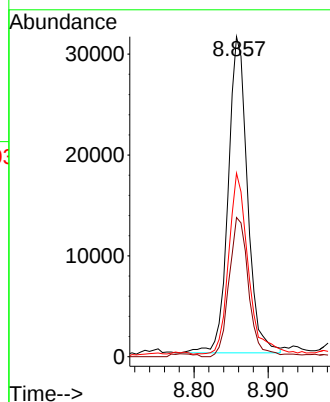
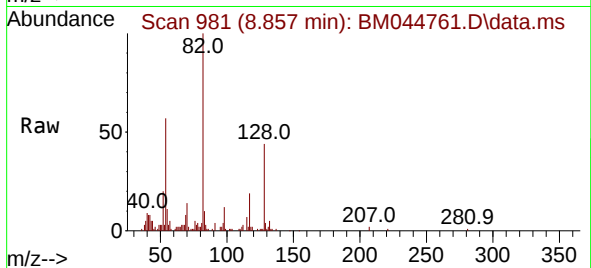
ClientSampleId :

SU-02-032224DL

Tgt Ion: 82	Resp: 56620
Ion Ratio	Lower Upper
82 100	
128 43.5	34.2 51.4
54 57.4	41.3 61.9

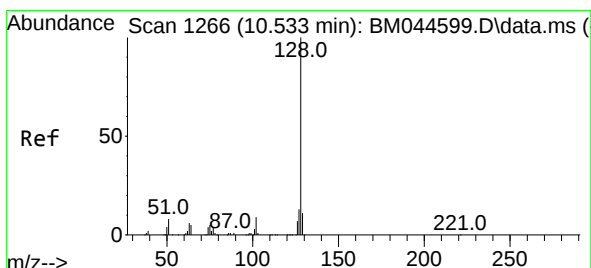
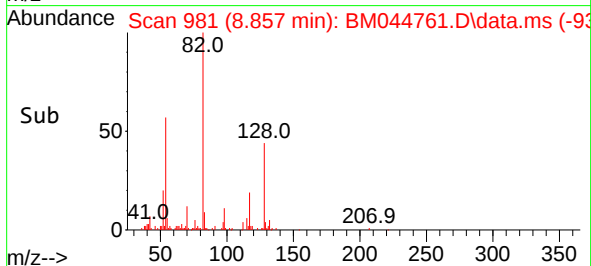
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#31

Naphthalene

Concen: 3.000 ng

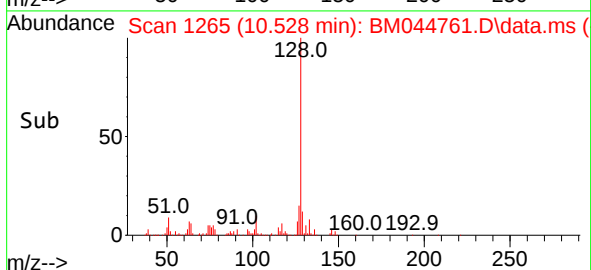
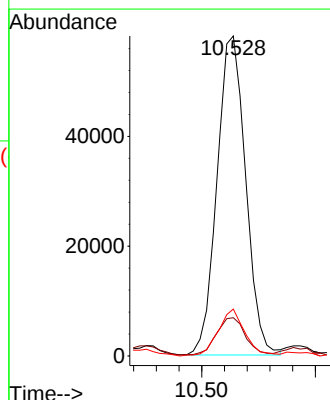
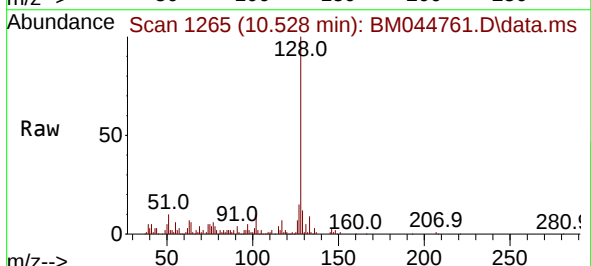
RT: 10.528 min Scan# 1265

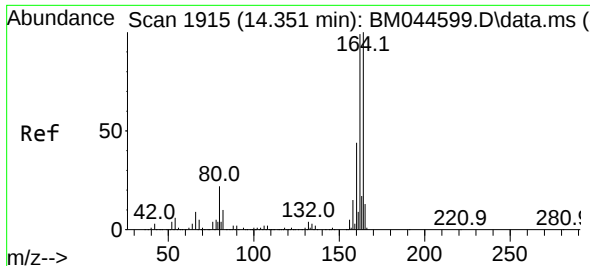
Delta R.T. -0.006 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

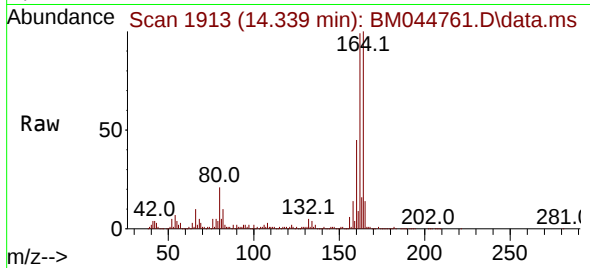
Tgt Ion:128	Resp: 101915
Ion Ratio	Lower Upper
128 100	
129 11.9	8.7 13.1
127 14.6	10.2 15.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.339 min Scan# 1913
Delta R.T. -0.011 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

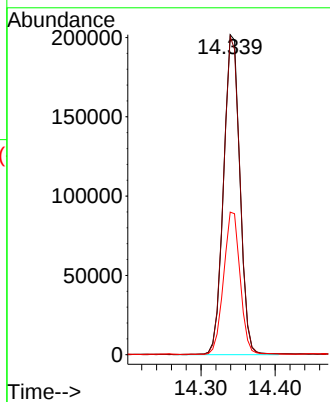
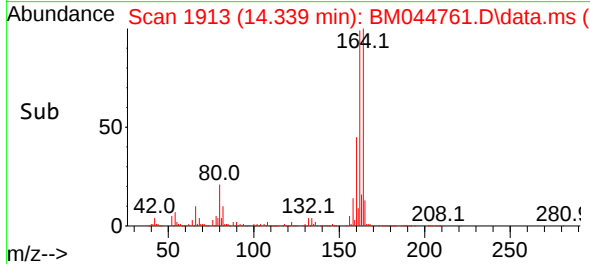
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL



Tgt Ion:164 Resp: 30859
Ion Ratio Lower Upper
164 100
162 99.5 79.3 118.9
160 44.5 35.2 52.8

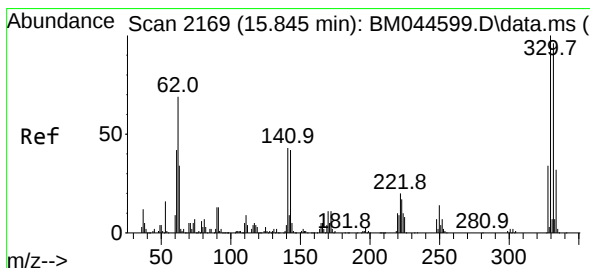
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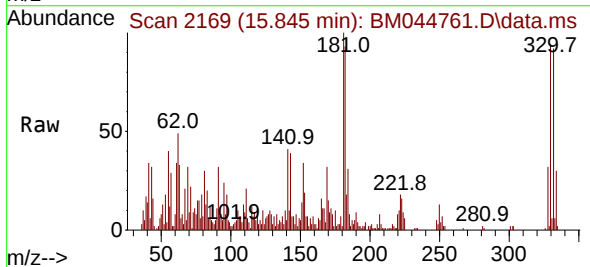


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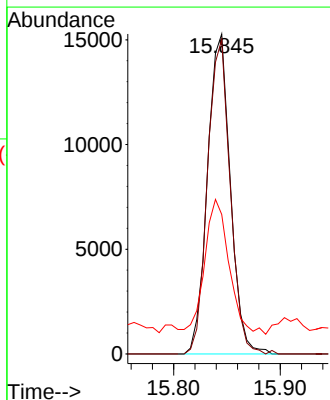
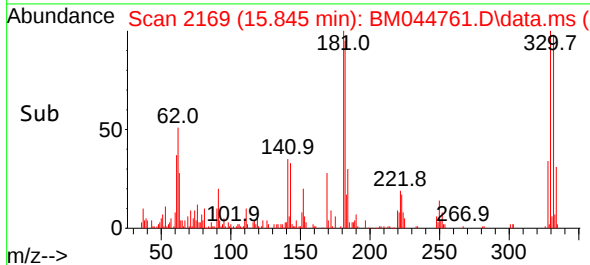
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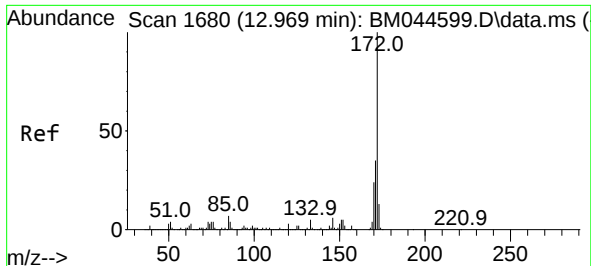


#42
2,4,6-Tribromophenol
Concen: 6.696 ng
RT: 15.845 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24



Tgt Ion:330 Resp: 22792
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.8
141 47.2 33.4 50.0





#45
2-Fluorobiphenyl
Concen: 5.007 ng
RT: 12.957 min Scan# 1678
Delta R.T. -0.011 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

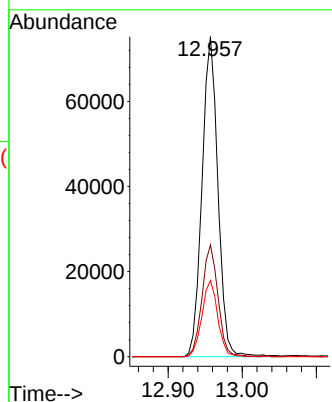
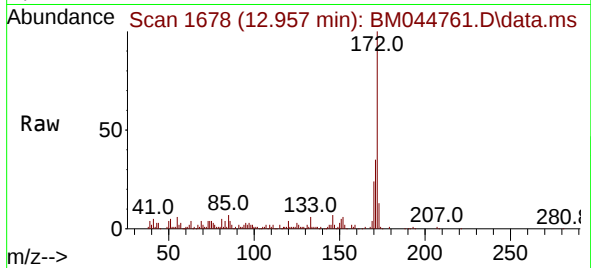
ClientSampleId :

SU-02-032224DL

Tgt Ion:172 Resp: 11220
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.8 19.0 28.6

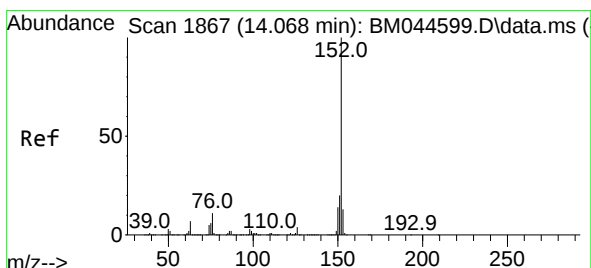
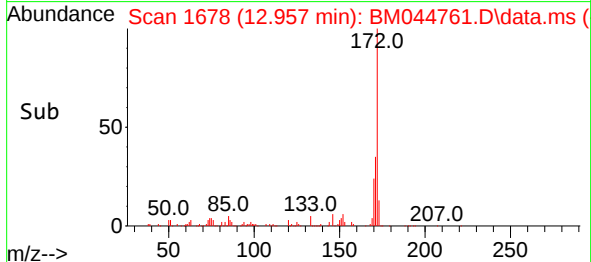
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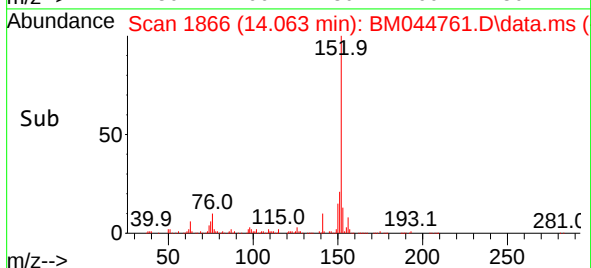
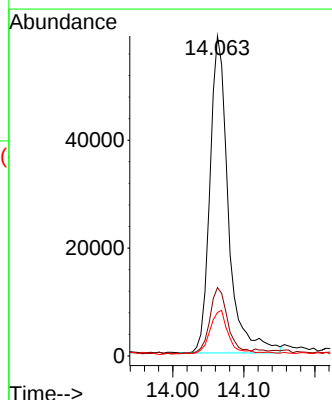
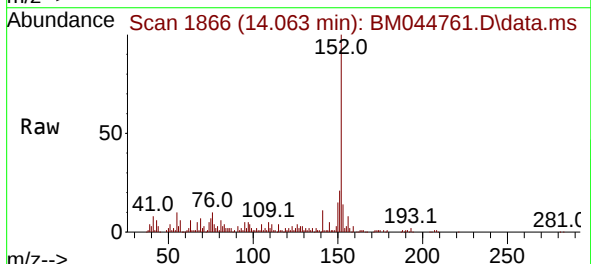
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ahmed

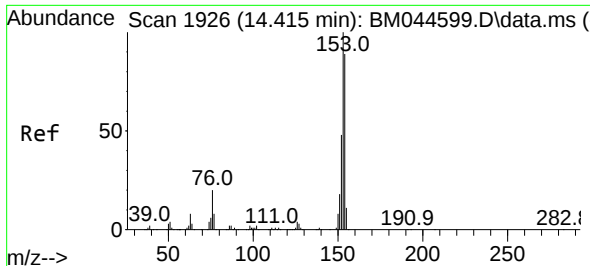
03/27/2024



#49
Acenaphthylene
Concen: 3.645 ng
RT: 14.063 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

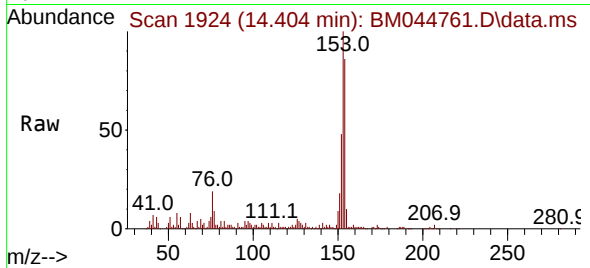
Tgt Ion:152 Resp: 105982
Ion Ratio Lower Upper
152 100
151 21.3 16.0 24.0
153 13.6 10.6 15.8





#52
Acenaphthene
Concen: 5.402 ng
RT: 14.404 min Scan# 1926
Delta R.T. -0.011 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

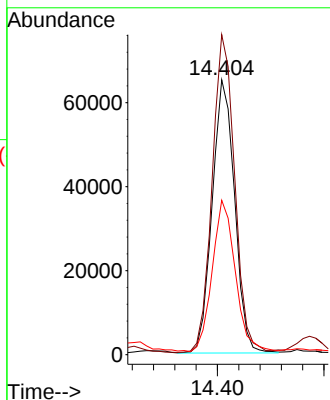
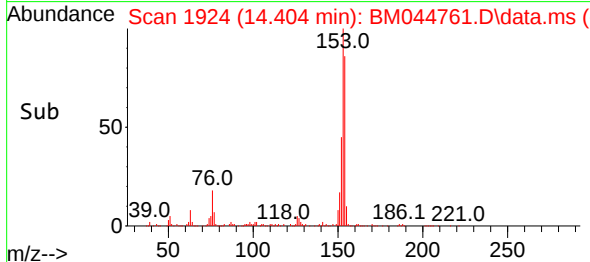
Instrument :
BNA_M
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Tgt Ion:154 Resp: 94939
Ion Ratio Lower Upper
154 100
153 116.4 90.3 135.5
152 56.2 43.1 64.7

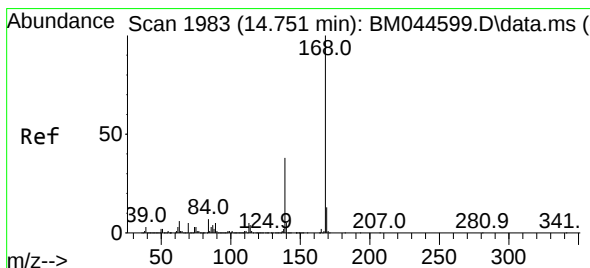
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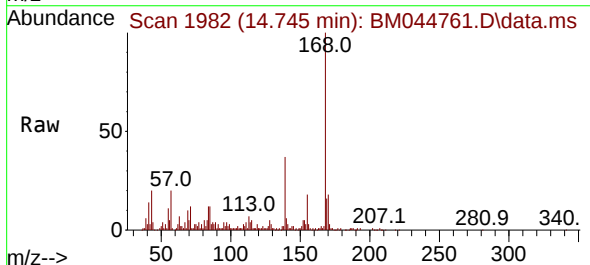


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Supervised By :mohammad
ahmed

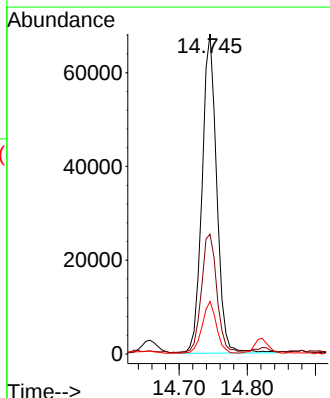
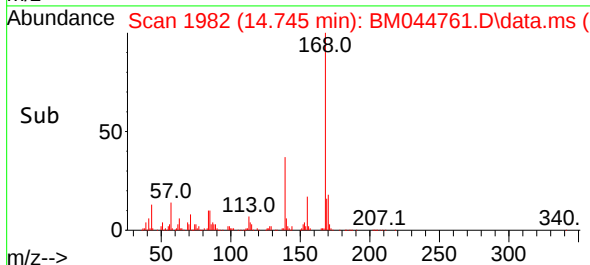
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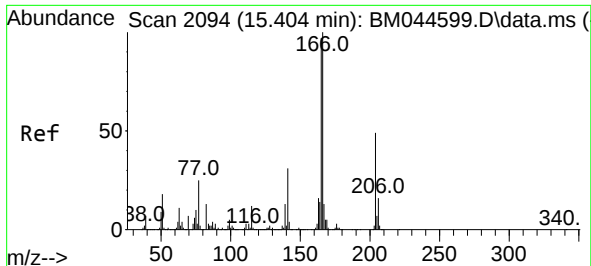


#55
Dibenzofuran
Concen: 3.652 ng
RT: 14.745 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24



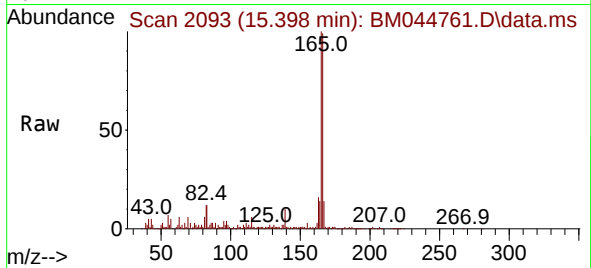
Tgt Ion:168 Resp: 101863
Ion Ratio Lower Upper
168 100
139 37.4 30.6 46.0
169 16.4 10.6 16.0#





#58
Fluorene
Concen: 7.387 ng
RT: 15.398 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

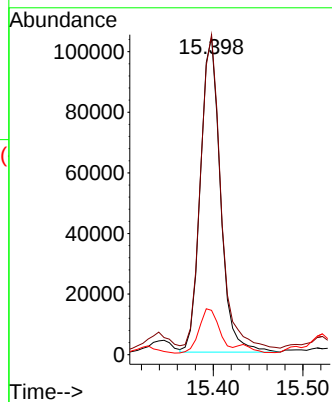
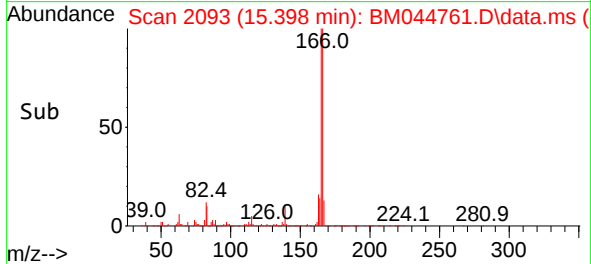
Instrument :
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SU-02-032224DL



Tgt Ion:166 Resp: 16047
Ion Ratio Lower Upper
166 100
165 100.9 77.7 116.5
167 14.0 10.8 16.2

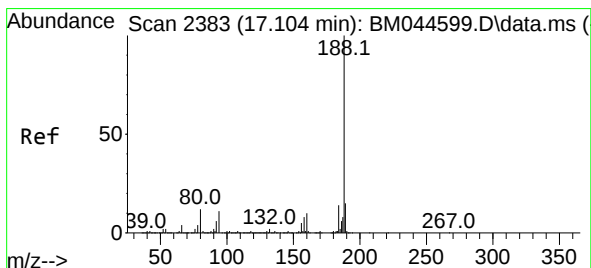
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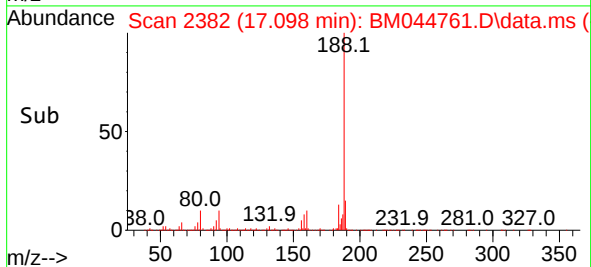
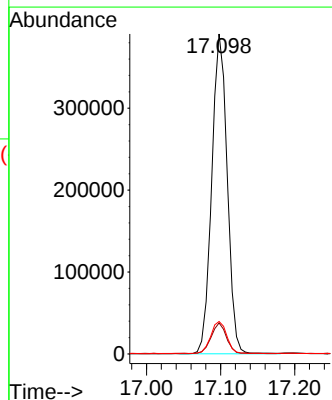
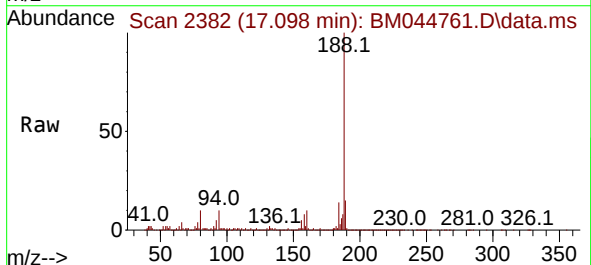
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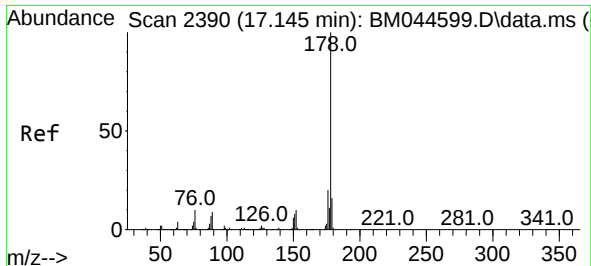
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.098 min Scan# 2382
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

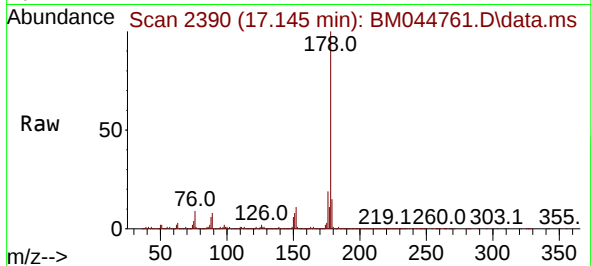
Tgt Ion:188 Resp: 565815
Ion Ratio Lower Upper
188 100
94 9.7 8.4 12.6
80 10.1 9.4 14.0





#71
Phenanthrene
Concen: 42.873 ng
RT: 17.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

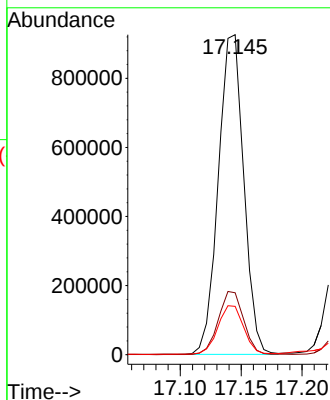
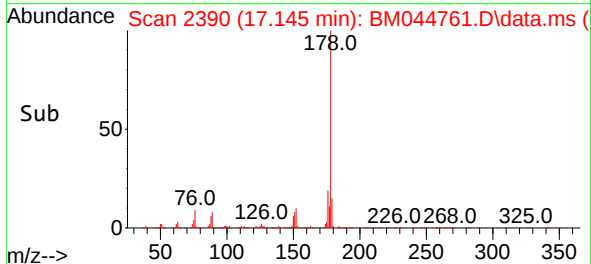
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL



Tgt Ion:178 Resp: 1340540
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.1 12.4 18.6

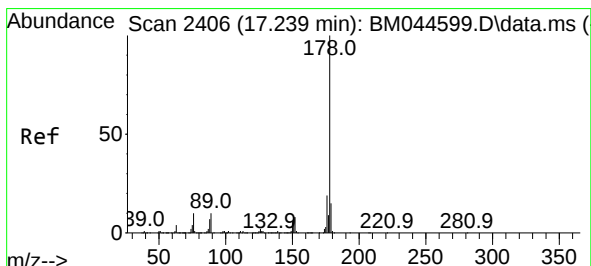
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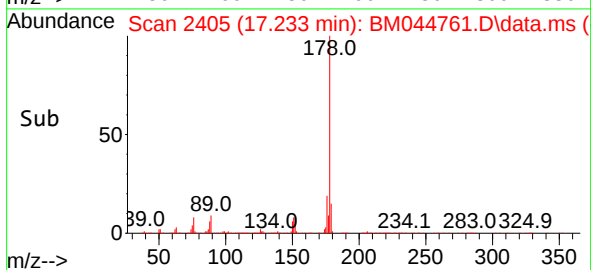
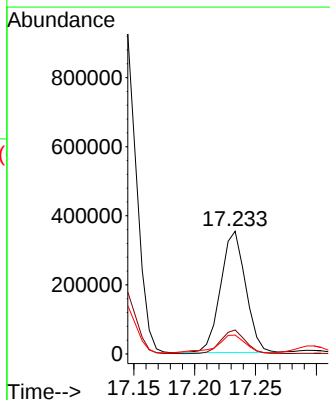
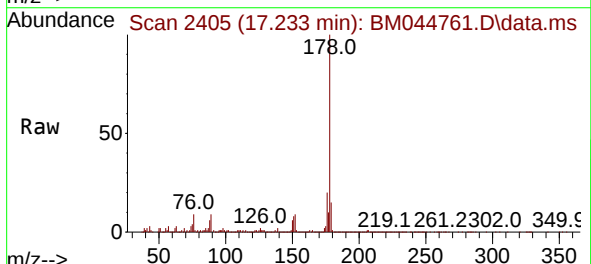
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Supervised By :mohammad
ahmed

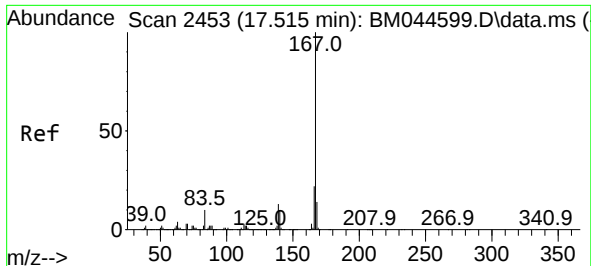
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#72
Anthracene
Concen: 16.054 ng
RT: 17.233 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

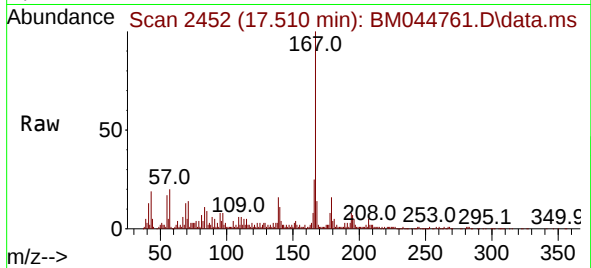
Tgt Ion:178 Resp: 503452
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.4 12.2 18.4





#73
 Carbazole
 Concen: 3.053 ng
 RT: 17.510 min Scan# 2453
 Delta R.T. -0.006 min
 Lab File: BM044761.D
 Acq: 25 Mar 2024 18:24

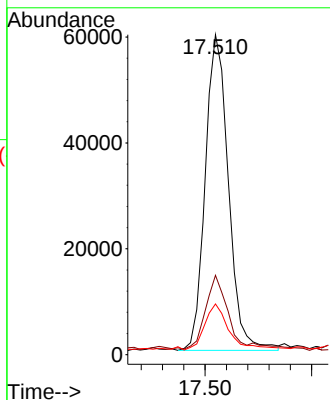
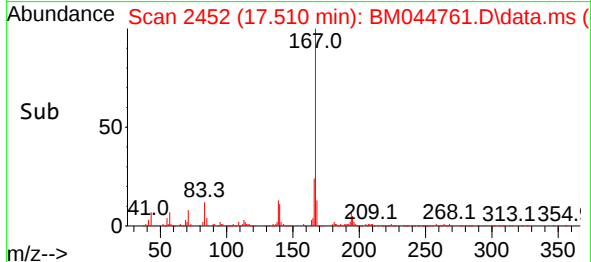
Instrument :
 BNA_M
 ClientSampleId :
 SU-02-032224DL



Tgt Ion:167 Resp: 90169
 Ion Ratio Lower Upper
 167 100
 166 24.8 17.2 25.8
 139 15.9 10.6 15.8

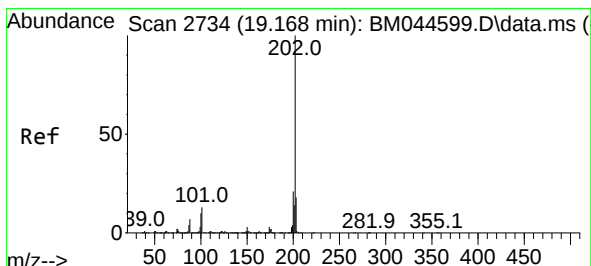
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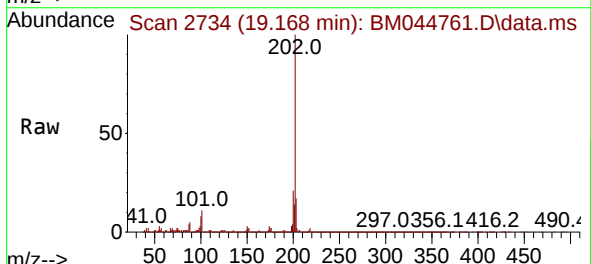


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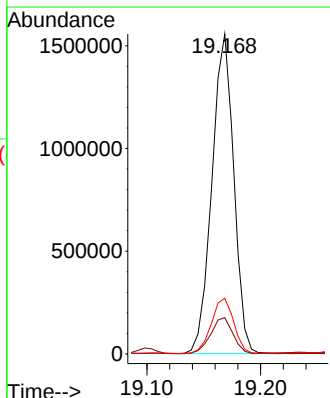
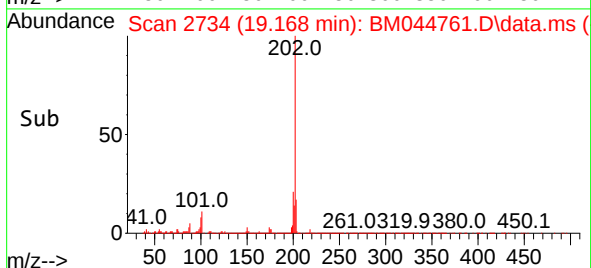
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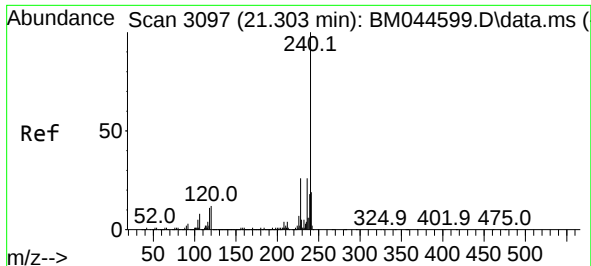


#75
 Fluoranthene
 Concen: 59.525 ng
 RT: 19.168 min Scan# 2734
 Delta R.T. 0.000 min
 Lab File: BM044761.D
 Acq: 25 Mar 2024 18:24



Tgt Ion:202 Resp: 2080605
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 33.3
 203 17.4 0.0 37.7





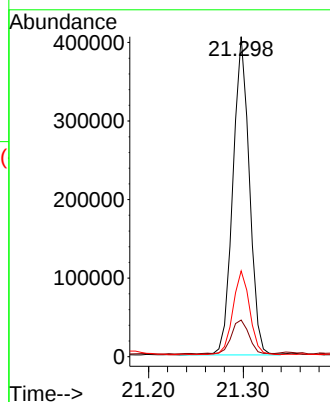
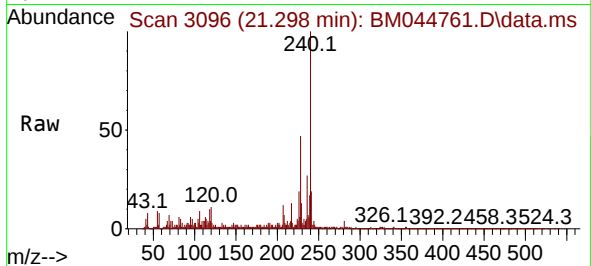
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.298 min Scan# 3097
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL

Tgt Ion:240 Resp: 490598
Ion Ratio Lower Upper
240 100
120 11.4 9.7 14.5
236 26.8 21.0 31.4

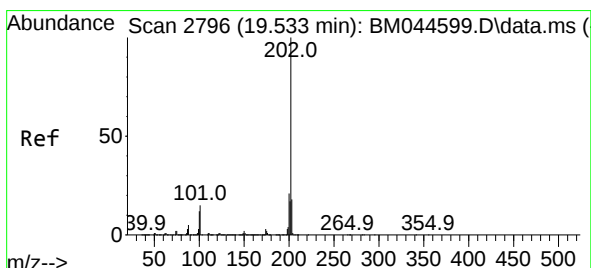
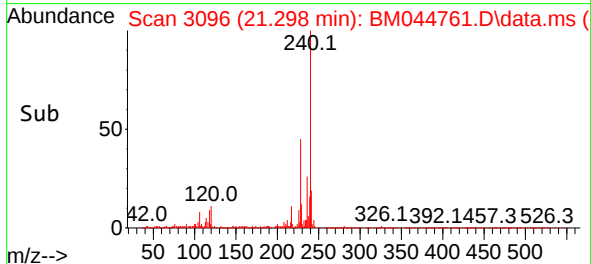
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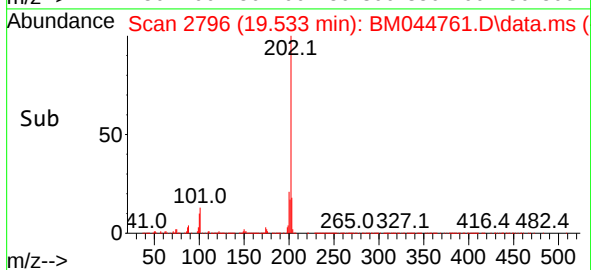
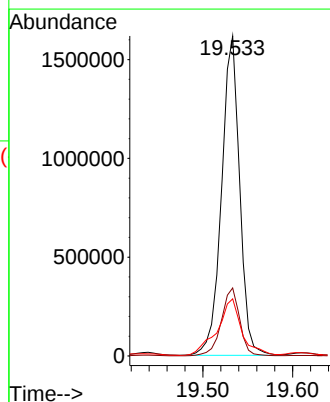
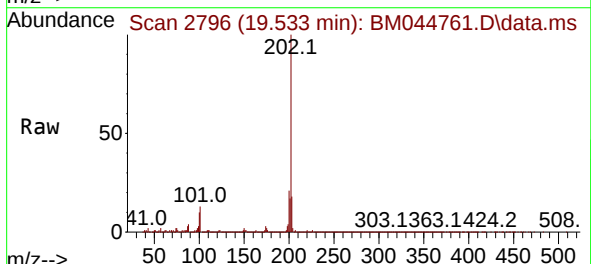
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Supervised By :mohammad
ahmed

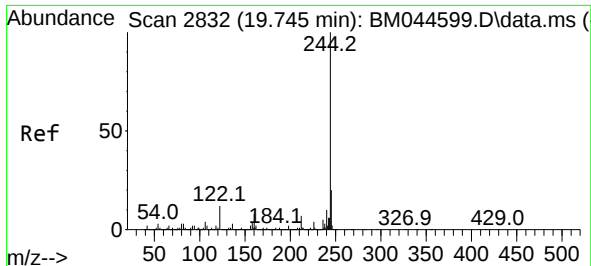
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#78
Pyrene
Concen: 63.009 ng
RT: 19.533 min Scan# 2796
Delta R.T. 0.000 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

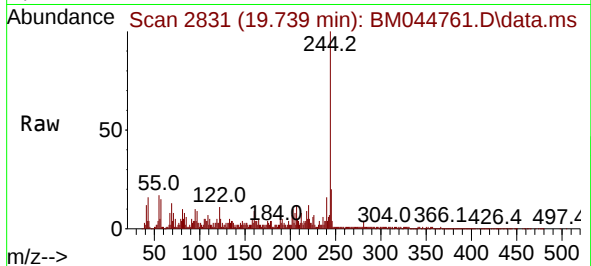
Tgt Ion:202 Resp: 2265619
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.8 14.1 21.1





#79
Terphenyl-d14
Concen: 4.837 ng
RT: 19.739 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

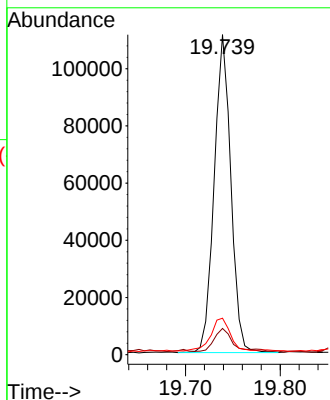
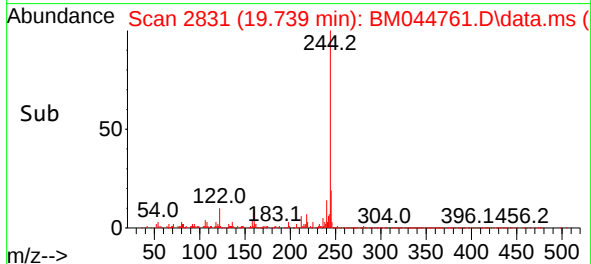
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL



Tgt Ion:244 Resp: 135654
Ion Ratio Lower Upper
244 100
212 8.2 5.5 8.3
122 11.4 9.7 14.5

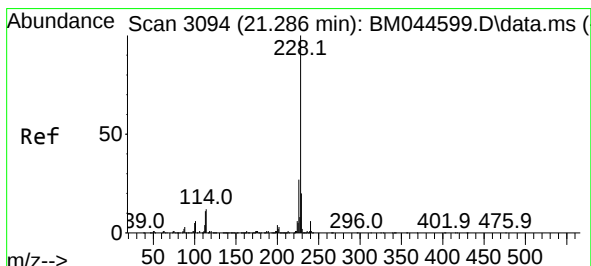
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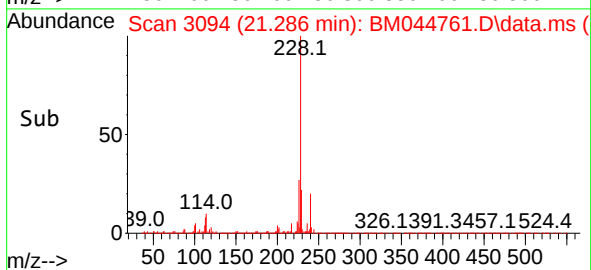
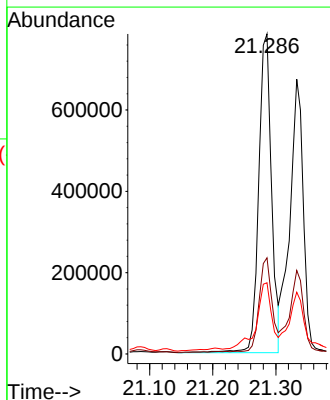
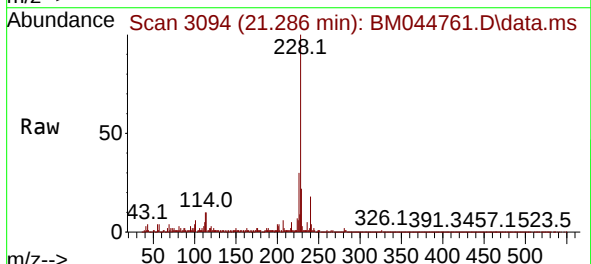
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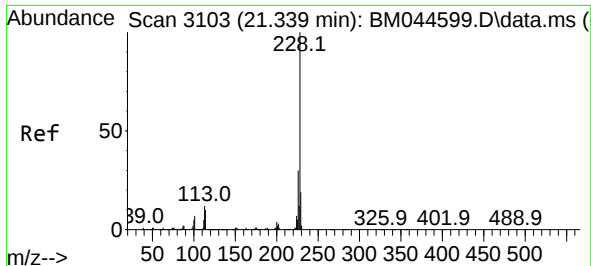
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#81
Benzo(a)anthracene
Concen: 32.367 ng
RT: 21.286 min Scan# 3094
Delta R.T. 0.000 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Tgt Ion:228 Resp: 1104889
Ion Ratio Lower Upper
228 100
226 30.1 21.9 32.9
229 22.3 15.9 23.9





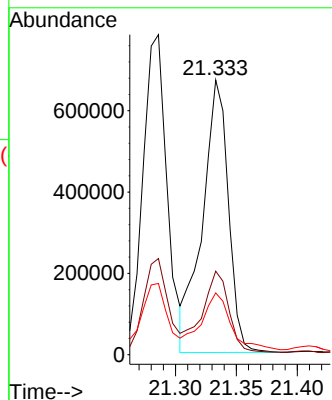
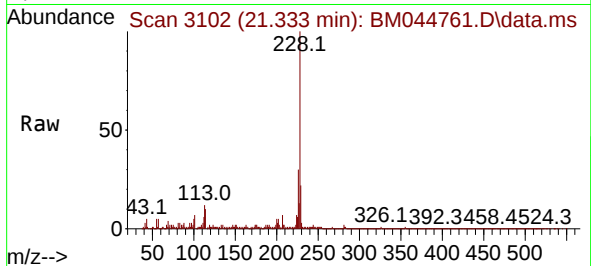
#83
Chrysene
Concen: 30.519 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL

Tgt Ion:228 Resp: 99549
Ion Ratio Lower Upper
228 100
226 30.4 23.6 35.4
229 22.5 15.5 23.3

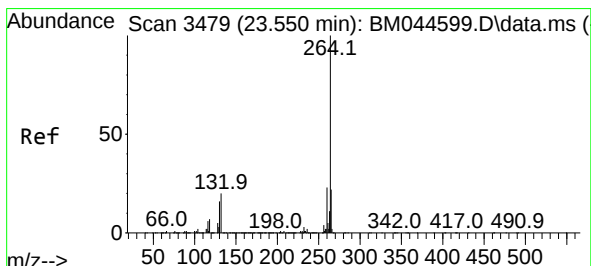
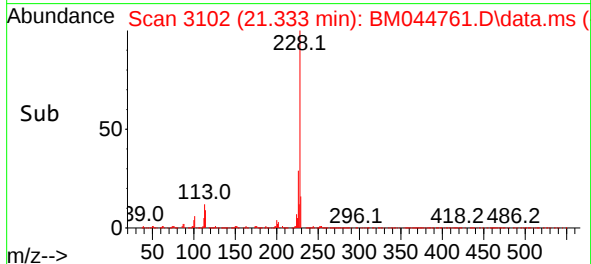
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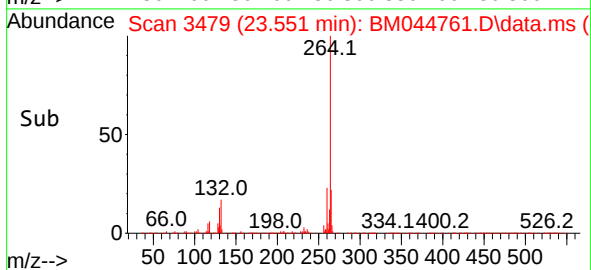
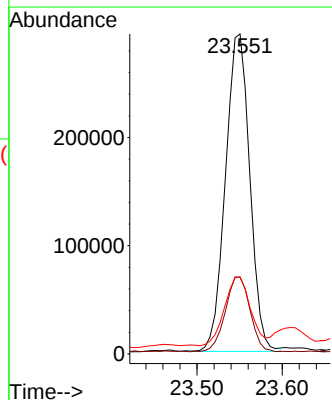
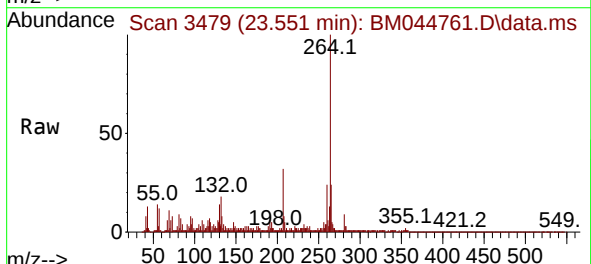
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ahmed

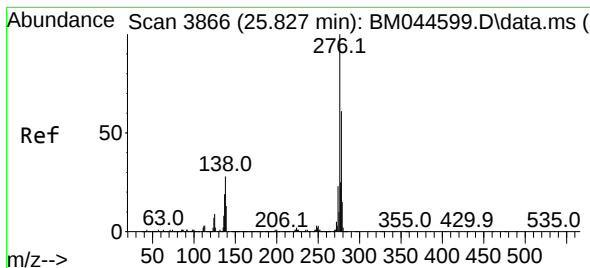
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.551 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Tgt Ion:264 Resp: 581806
Ion Ratio Lower Upper
264 100
260 23.9 18.3 27.5
265 24.1 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.189 ng

RT: 25.821 min Scan# 3866

Delta R.T. -0.006 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

ClientSampleId :

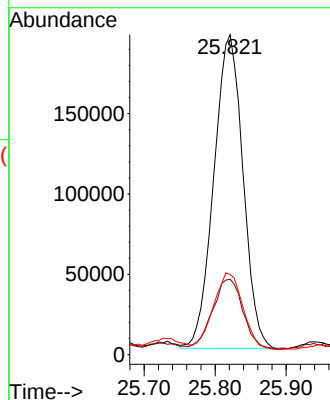
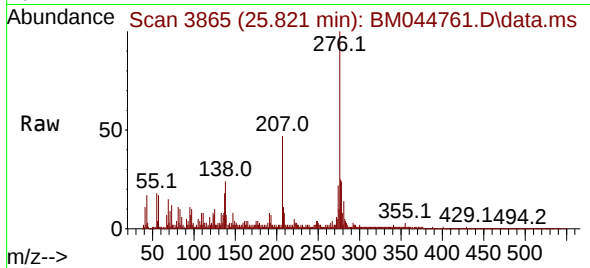
SU-02-032224DL

Tgt Ion: 276 Resp: 554700

Ion	Ratio	Lower	Upper
276	100		
138	23.4	23.6	35.4
277	24.7	20.2	30.2

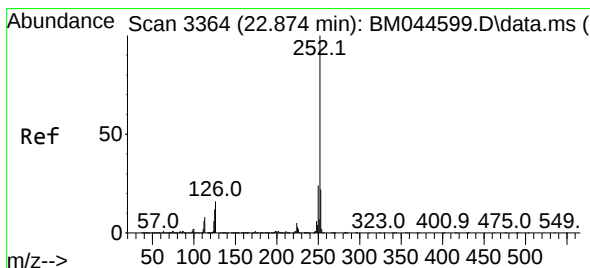
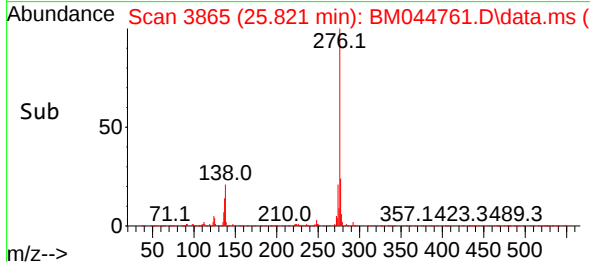
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#88

Benzo(b)fluoranthene

Concen: 31.487 ng m

RT: 22.874 min Scan# 3364

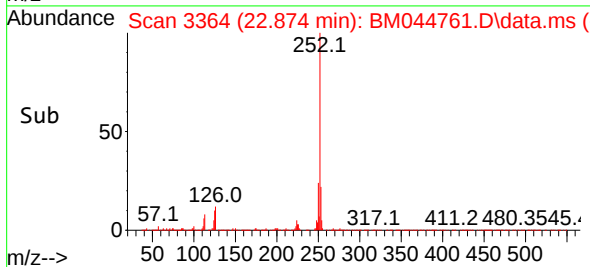
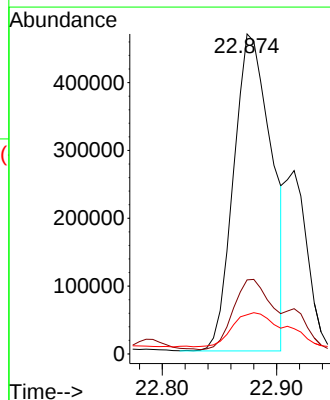
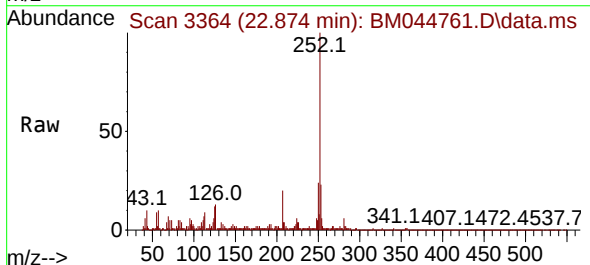
Delta R.T. 0.000 min

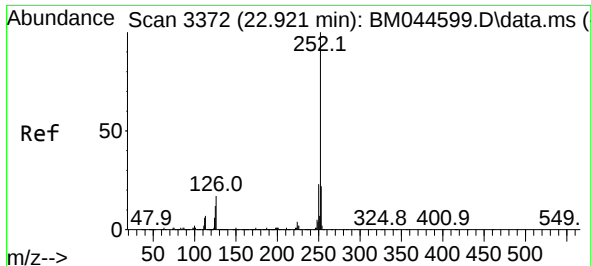
Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Tgt Ion: 252 Resp: 1076576

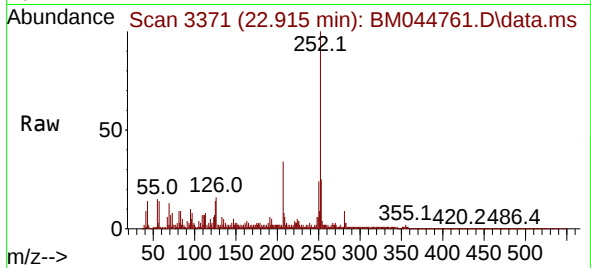
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.3	9.6	14.4





#89
Benzo(k)fluoranthene
Concen: 10.087 ng m
RT: 22.915 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

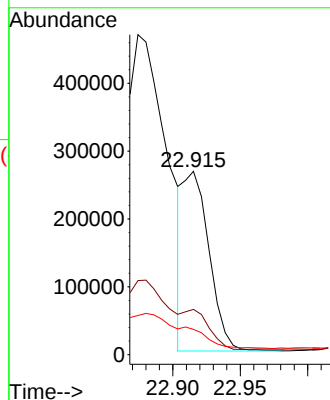
Instrument :
BNA_M
ClientSampleId :
SU-02-032224DL



Tgt Ion:252 Resp: 354534
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 13.8 9.4 14.0

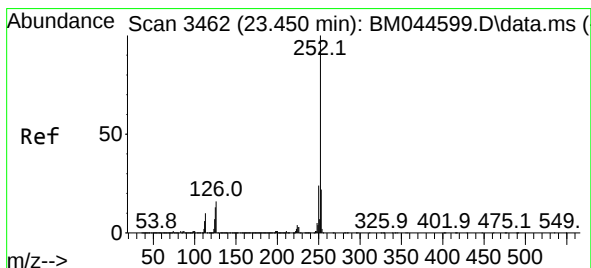
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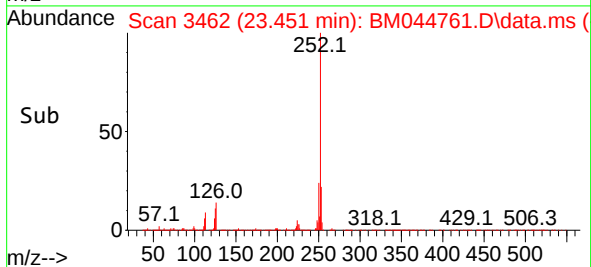
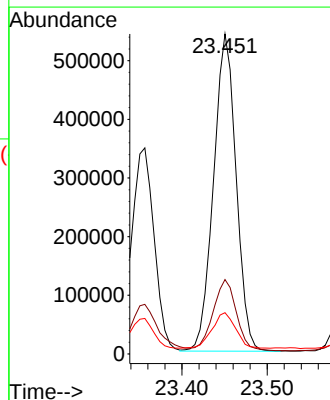
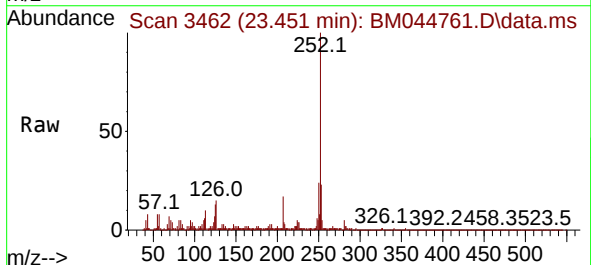
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Supervised By :mohammad
ahmed

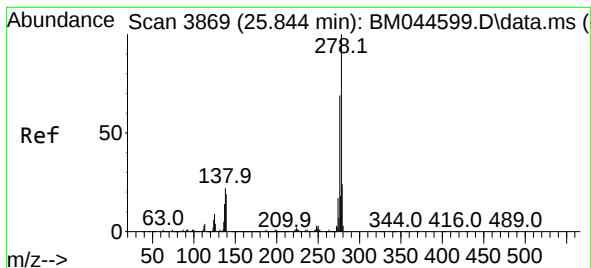
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#90
Benzo(a)pyrene
Concen: 29.851 ng
RT: 23.451 min Scan# 3462
Delta R.T. 0.000 min
Lab File: BM044761.D
Acq: 25 Mar 2024 18:24

Tgt Ion:252 Resp: 995491
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 12.9 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 4.522 ng

RT: 25.821 min Scan# 3865

Delta R.T. -0.023 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Instrument :

BNA_M

ClientSampleId :

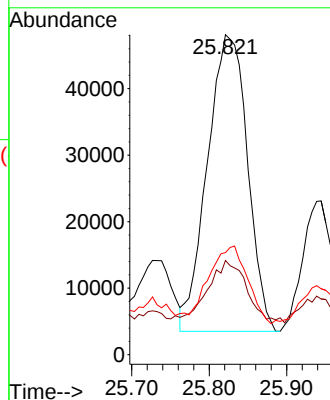
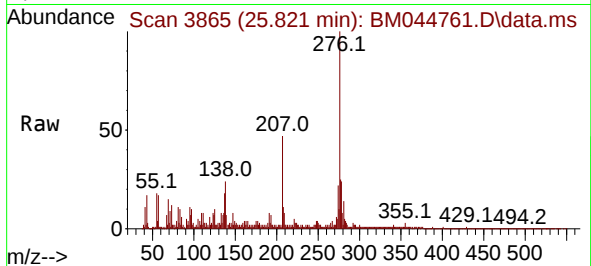
SU-02-032224DL

Tgt Ion:	278	Resp:	160350
Ion Ratio	Lower	Upper	
278	100		
139	29.5	15.0	22.6
279	31.9	19.3	28.9

Manual Integrations

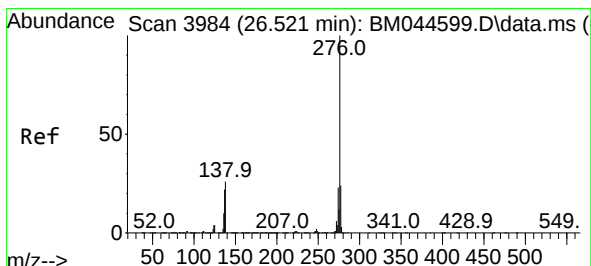
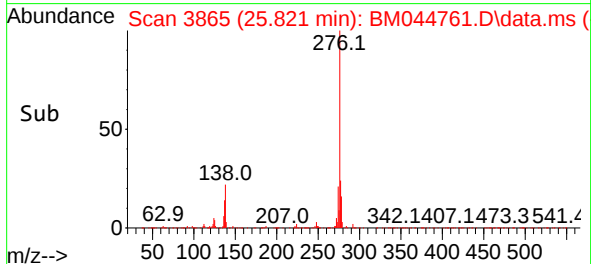
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ahmed

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#92

Benzo(g,h,i)perylene

Concen: 17.498 ng

RT: 26.521 min Scan# 3984

Delta R.T. 0.000 min

Lab File: BM044761.D

Acq: 25 Mar 2024 18:24

Tgt Ion:	276	Resp:	610770
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.3	28.9
138	23.3	20.7	31.1

