

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061523\
 Data File : BN025858.D
 Acq On : 15 Jun 2023 15:05
 Operator : MA/JU
 Sample : 03123-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW11-GW-858-860

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 16 01:45:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 01:41:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	6409	0.400	ng	0.00
7) Naphthalene-d8	10.814	136	17008	0.400	ng	# 0.00
13) Acenaphthene-d10	14.630	164	9255	0.400	ng	0.00
19) Phenanthrene-d10	17.381	188	18848	0.400	ng	# 0.00
29) Chrysene-d12	21.560	240	16671	0.400	ng	0.00
35) Perylene-d12	24.037	264	12478	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.549	112	2315	0.128	ng	0.01
5) Phenol-d6	7.160	99	1649	0.075	ng	0.00
8) Nitrobenzene-d5	9.170	82	4243	0.268	ng	0.01
11) 2-Methylnaphthalene-d10	12.396	152	7196	0.294	ng	0.00
14) 2,4,6-Tribromophenol	16.127	330	1107	0.388	ng	0.00
15) 2-Fluorobiphenyl	13.261	172	11258	0.288	ng	0.00
27) Fluoranthene-d10	19.407	212	14625	0.377	ng	0.00
31) Terphenyl-d14	19.992	244	13909	0.344	ng	0.00
Target Compounds						
9) Naphthalene	10.867	128	1726	0.034	ng	# 65
25) Phenanthrene	17.418	178	1504	0.026	ng	98
28) Fluoranthene	19.439	202	1216	0.021	ng	# 1
32) Benzo(a)anthracene	21.542	228	3577m	0.056	ng	
33) Chrysene	21.596	228	5148	0.076	ng	96
34) Bis(2-ethylhexyl)phtha...	21.453	149	22825	0.596	ng	100
36) Indeno(1,2,3-cd)pyrene	26.639	276	3660	0.068	ng	# 77
37) Benzo(b)fluoranthene	23.276	252	8493	0.173	ng	# 74
38) Benzo(k)fluoranthene	23.329	252	6726	0.134	ng	# 68
39) Benzo(a)pyrene	23.928	252	3936	0.084	ng	# 28
40) Dibenzo(a,h)anthracene	26.668	278	2477	0.057	ng	# 39
41) Benzo(g,h,i)perylene	27.434	276	3643	0.075	ng	# 80

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

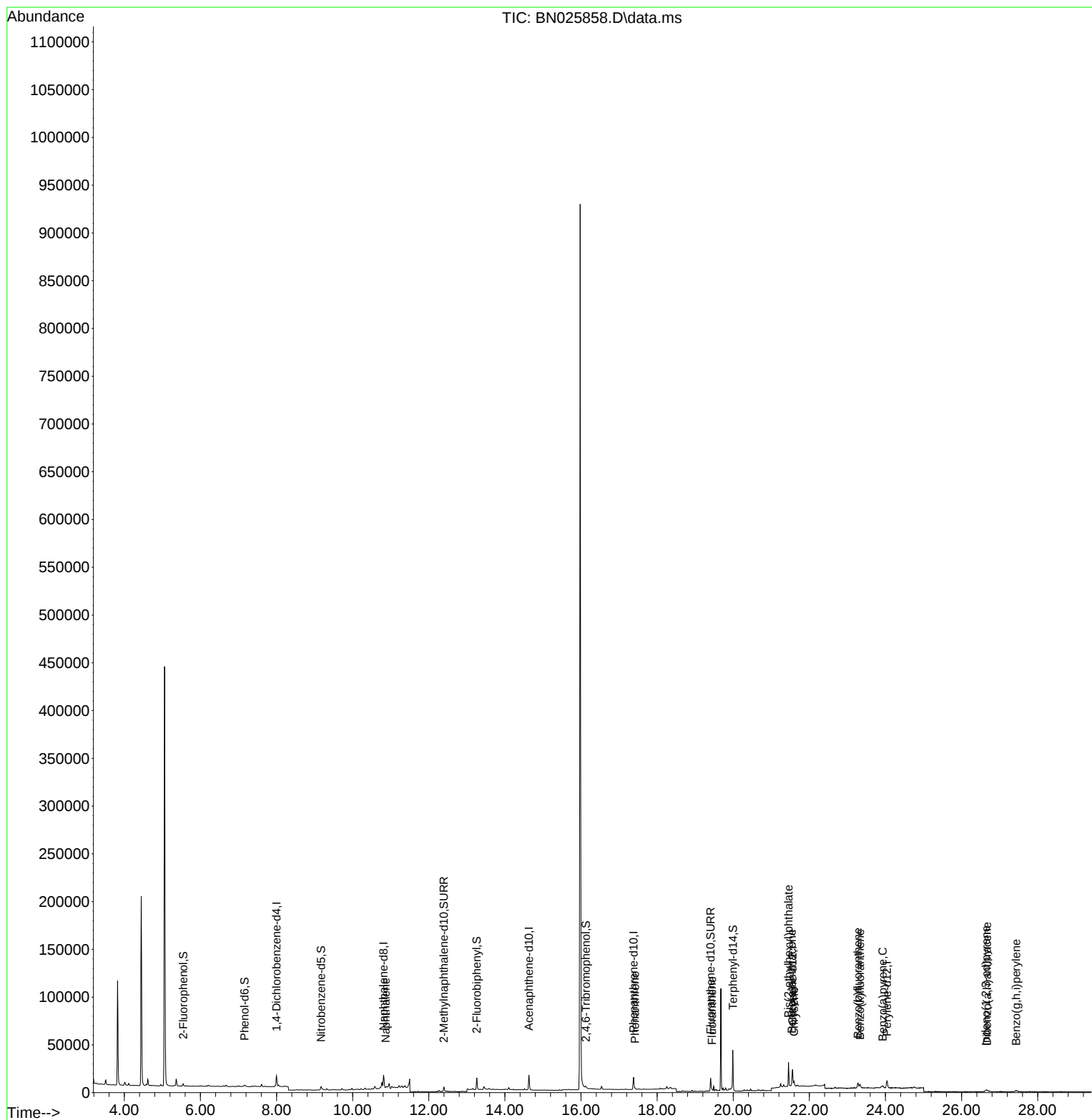
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061523\
Data File : BN025858.D
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ALS Vial : 10 Sample Multiplier: 1

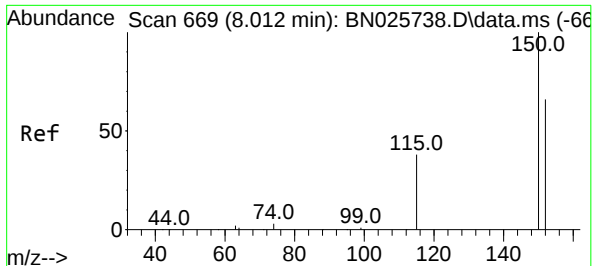
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Quant Time: Jun 16 01:45:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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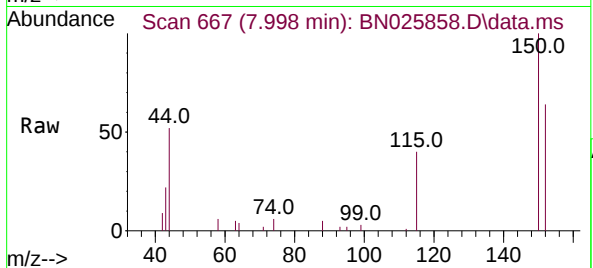
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.998 min Scan# 669
Delta R.T. -0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

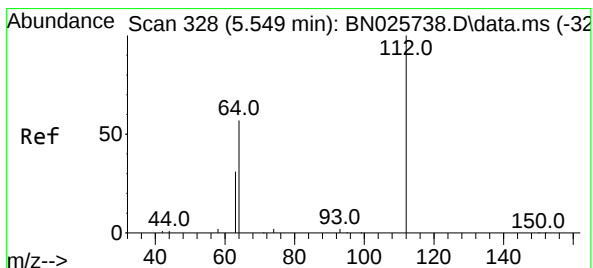
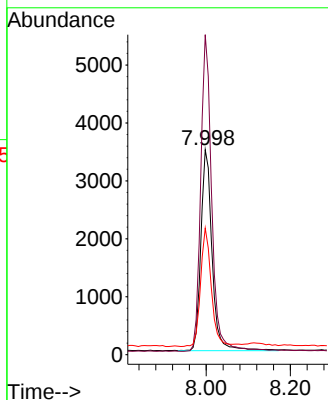
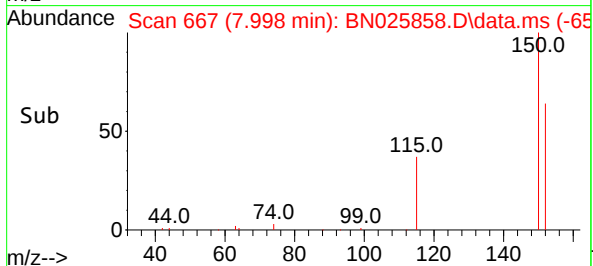
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-858-860



Tgt Ion:152 Resp: 6409
Ion Ratio Lower Upper
152 100
150 156.2 121.5 182.3
115 61.8 47.7 71.5

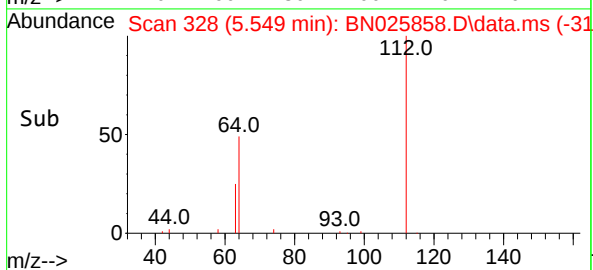
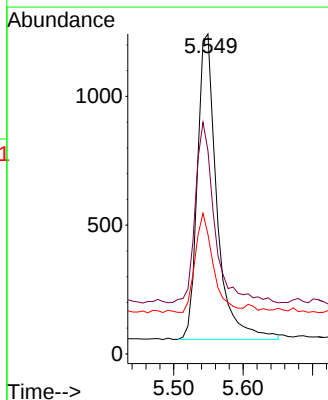
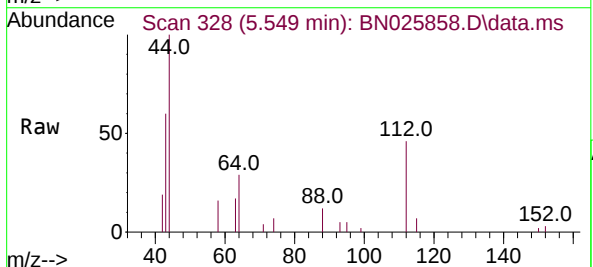
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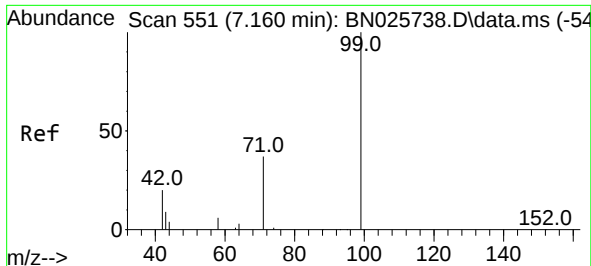
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#4
2-Fluorophenol
Concen: 0.128 ng
RT: 5.549 min Scan# 328
Delta R.T. 0.014 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

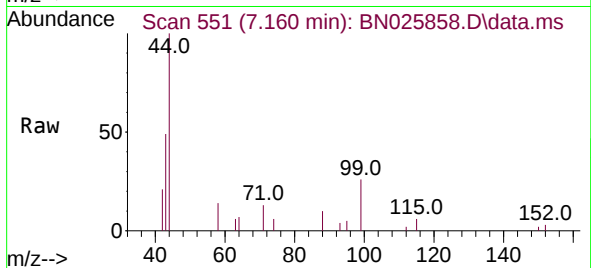
Tgt Ion:112 Resp: 2315
Ion Ratio Lower Upper
112 100
64 58.3 47.5 71.3
63 29.6 26.2 39.4





#5
Phenol-d6
Concen: 0.075 ng
RT: 7.160 min Scan# 551
Delta R.T. 0.007 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

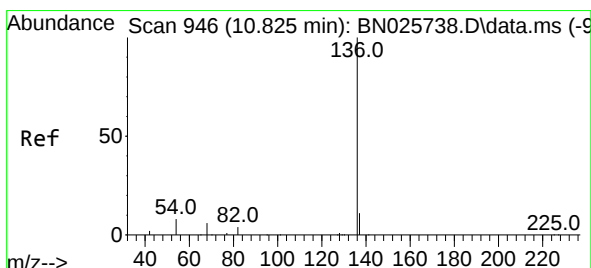
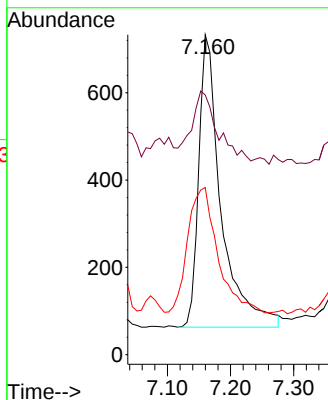
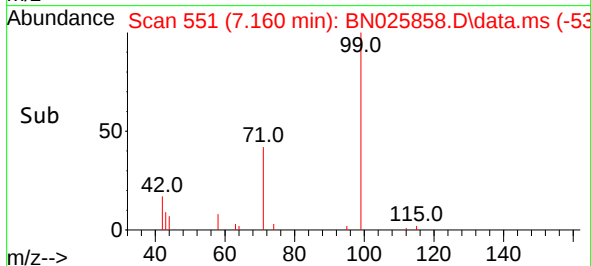
Instrument :
BNA_N
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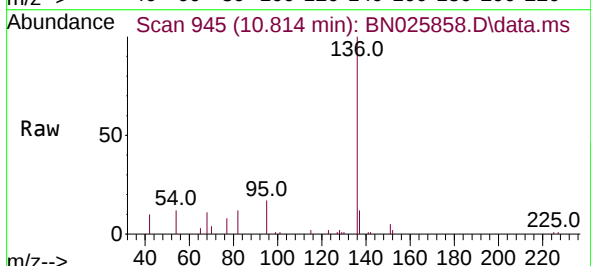
Tgt Ion: 99 Resp: 1649
Ion Ratio Lower Upper
99 100
42 27.1 18.6 28.0
71 57.5 30.5 45.7

Manual Integrations
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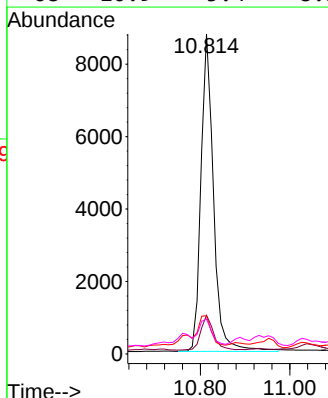
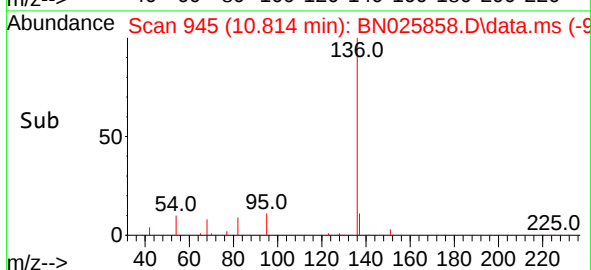
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

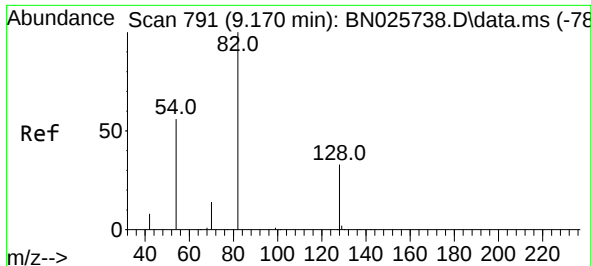


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.814 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05



Tgt Ion:136 Resp: 17008
Ion Ratio Lower Upper
136 100
137 12.1 9.3 13.9
54 12.0 7.2 10.8#
68 10.9 5.4 8.2#





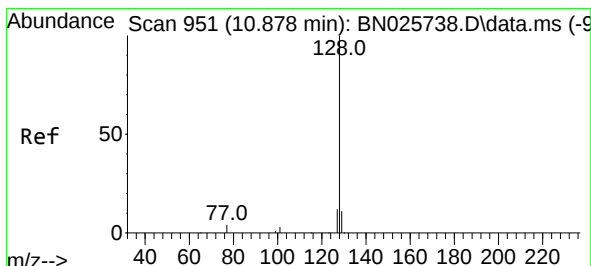
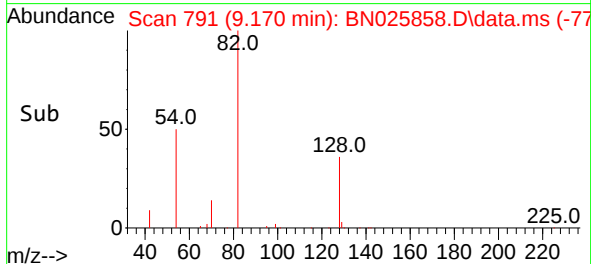
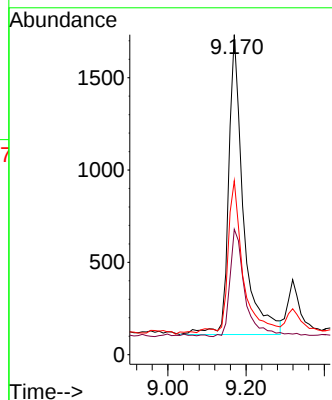
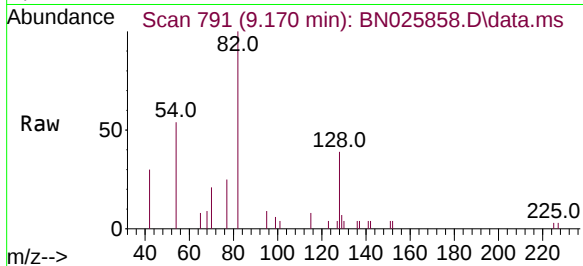
#8
Nitrobenzene-d5
Concen: 0.268 ng
RT: 9.170 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-858-860

Tgt Ion: 82 Resp: 424
Ion Ratio Lower Upper
82 100
128 39.2 27.6 41.4
54 54.4 45.7 68.5

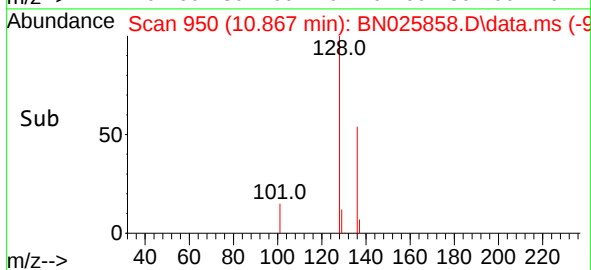
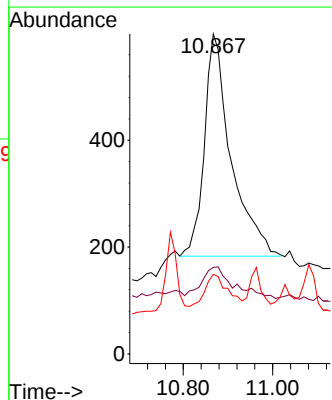
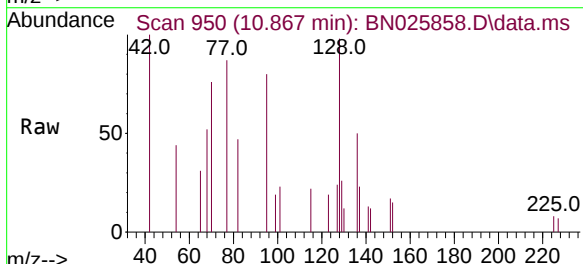
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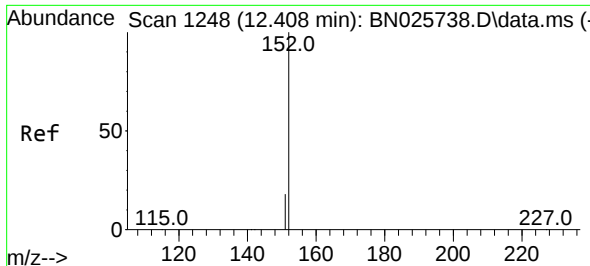
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#9
Naphthalene
Concen: 0.034 ng
RT: 10.867 min Scan# 950
Delta R.T. 0.011 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

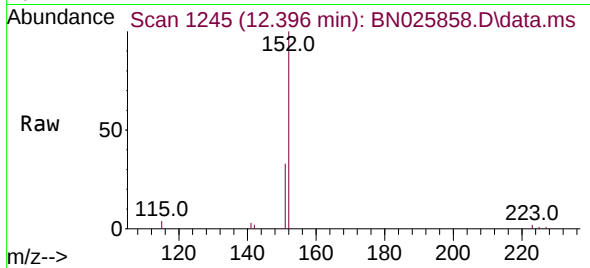
Tgt Ion:128 Resp: 1726
Ion Ratio Lower Upper
128 100
129 27.0 9.1 13.7#
127 24.9 10.3 15.5#





#11
2-Methylnaphthalene-d10
Concen: 0.294 ng
RT: 12.396 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

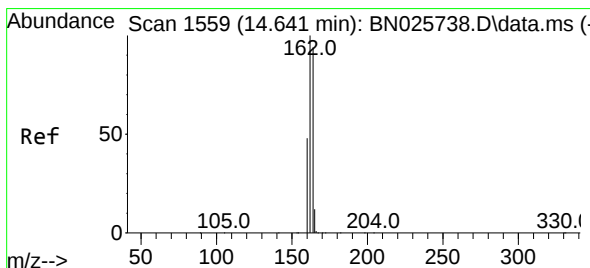
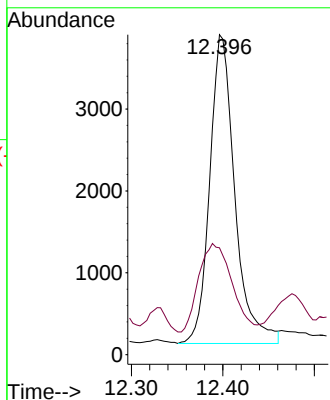
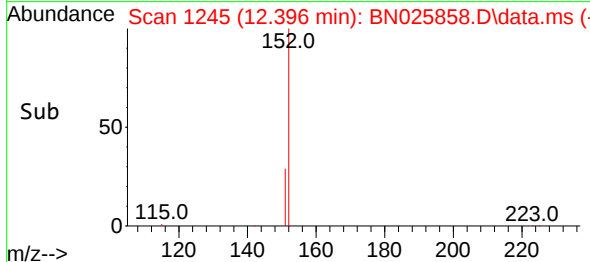
Instrument :
BNA_N
ClientSampleId :
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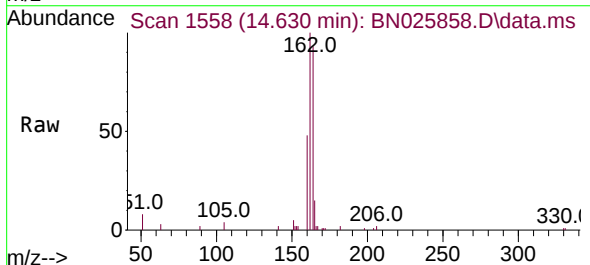
Tgt Ion:152 Resp: 7190
Ion Ratio Lower Upper
152 100
151 37.9 16.4 24.6

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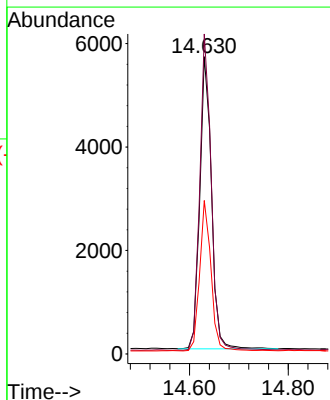
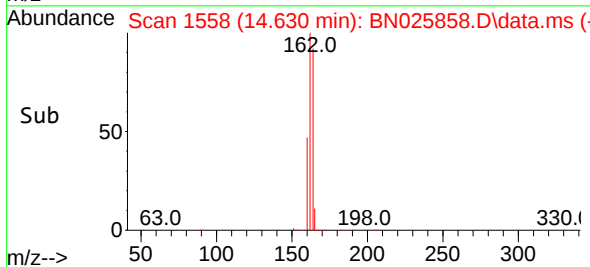
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

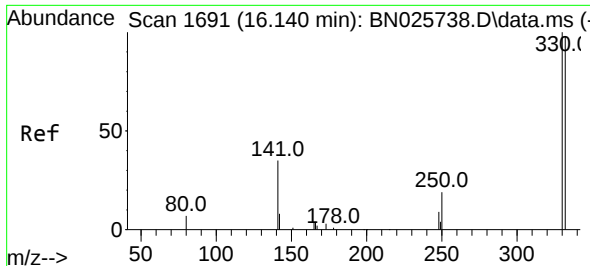


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.630 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05



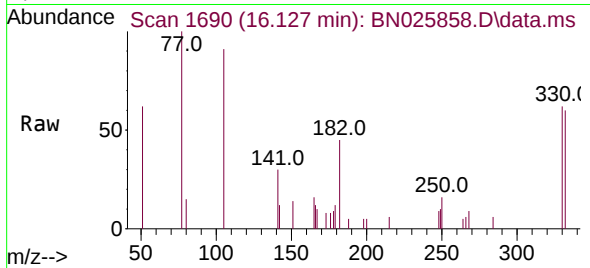
Tgt Ion:164 Resp: 9255
Ion Ratio Lower Upper
164 100
162 107.6 85.0 127.6
160 51.6 41.1 61.7





#14
2,4,6-Tribromophenol
Concen: 0.388 ng
RT: 16.127 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

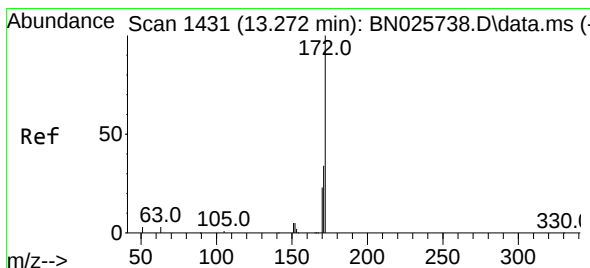
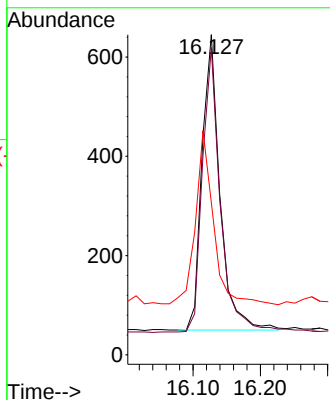
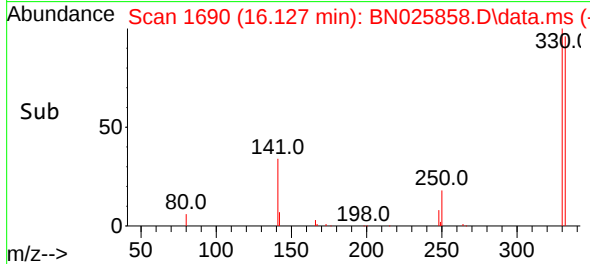
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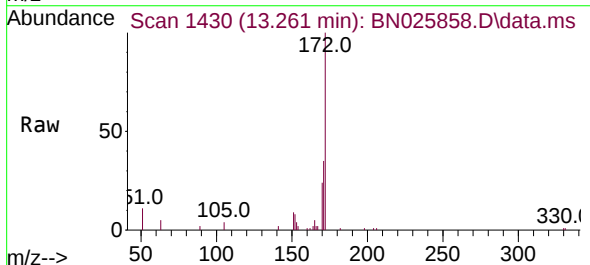
Tgt Ion:330 Resp: 110
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 58.7 55.0 82.6

Manual Integrations
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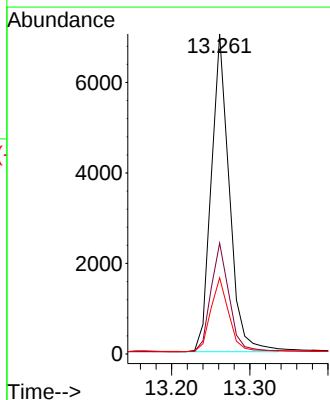
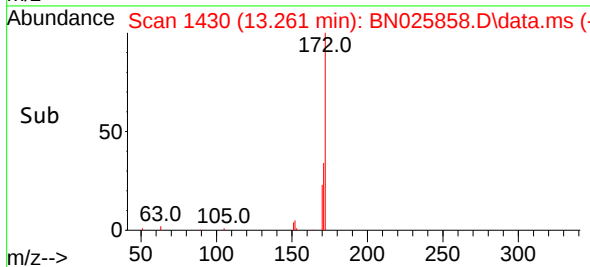
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

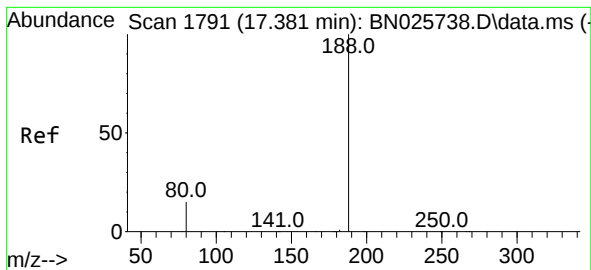


#15
2-Fluorobiphenyl
Concen: 0.288 ng
RT: 13.261 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05



Tgt Ion:172 Resp: 11258
Ion Ratio Lower Upper
172 100
171 34.6 27.3 40.9
170 23.8 18.6 28.0





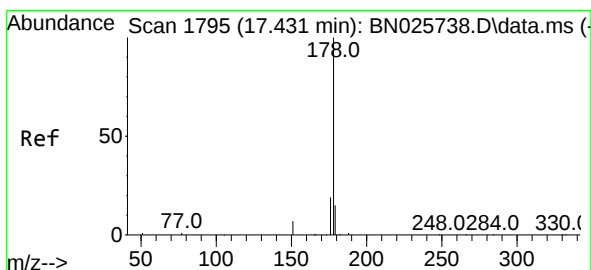
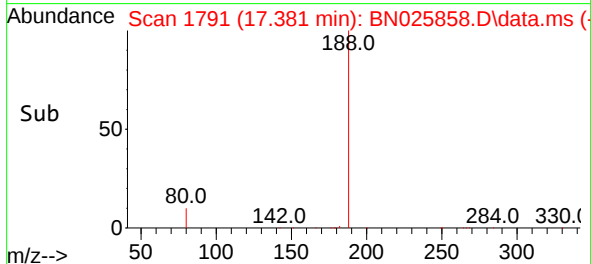
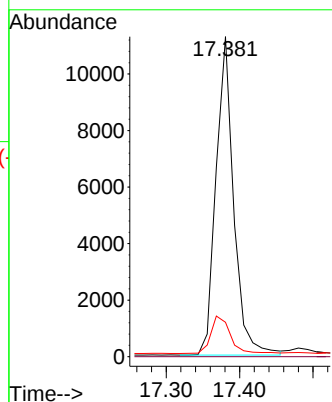
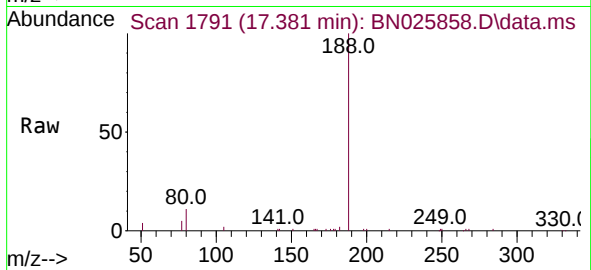
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.381 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

Instrument :
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Tgt Ion:188 Resp: 1884
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 12.1 18.1

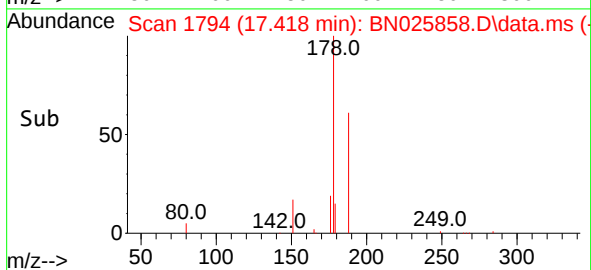
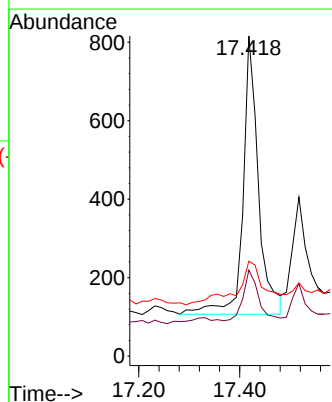
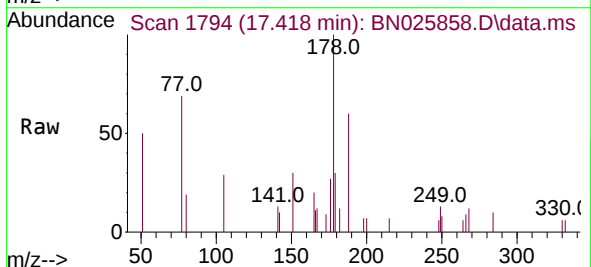
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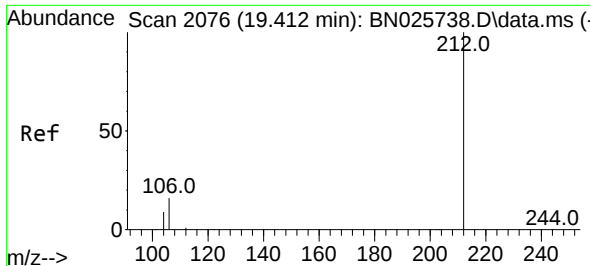
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#25
Phenanthrene
Concen: 0.026 ng
RT: 17.418 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

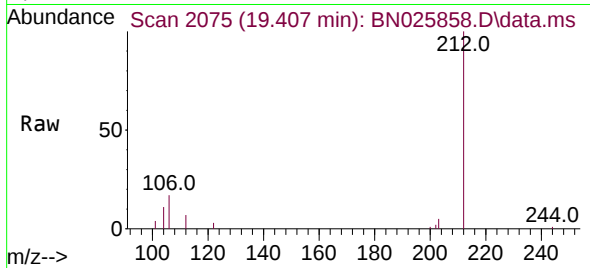
Tgt Ion:178 Resp: 1504
Ion Ratio Lower Upper
178 100
176 20.1 15.7 23.5
179 14.4 12.2 18.2





#27
Fluoranthene-d10
Concen: 0.377 ng
RT: 19.407 min Scan# 2076
Delta R.T. 0.005 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

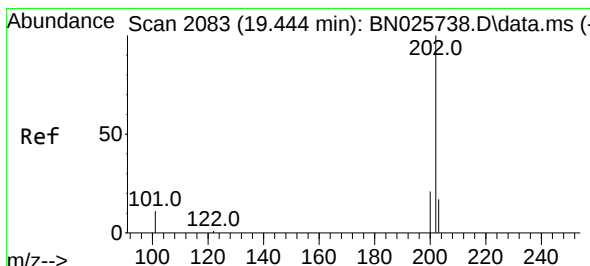
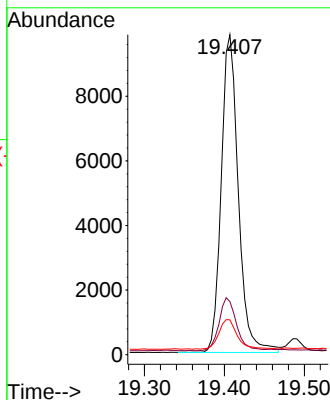
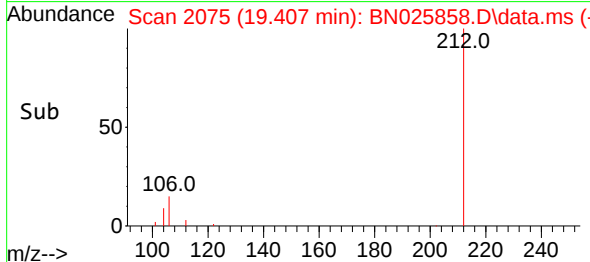
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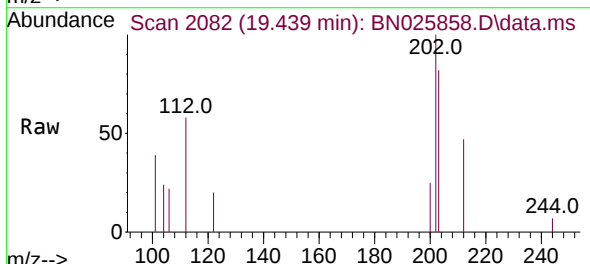
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Ion Ratio Lower Upper
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106 17.0 13.0 19.6
104 10.1 7.7 11.5

Manual Integrations
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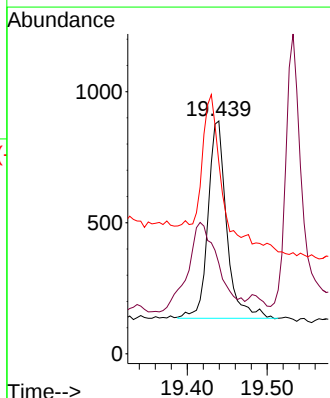
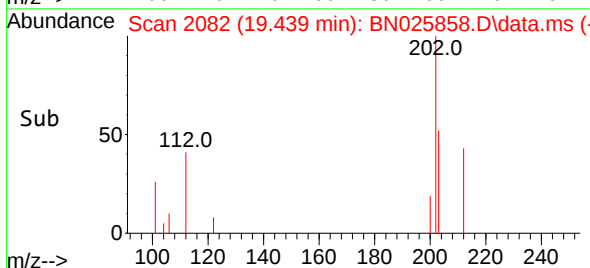
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

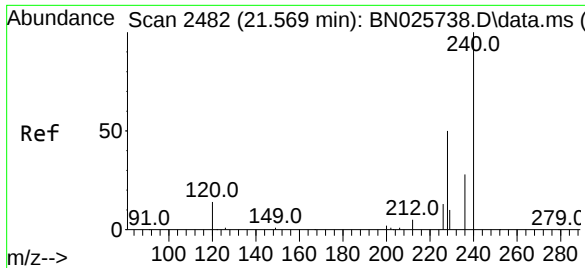


#28
Fluoranthene
Concen: 0.021 ng
RT: 19.439 min Scan# 2082
Delta R.T. 0.005 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05



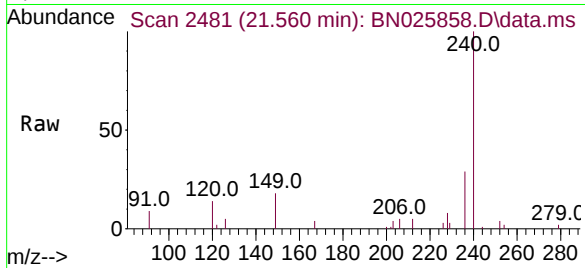
Tgt Ion:202 Resp: 1216
Ion Ratio Lower Upper
202 100
101 0.0 9.8 14.8#
203 95.1 13.4 20.2#





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.560 min Scan# 2481
Delta R.T. 0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

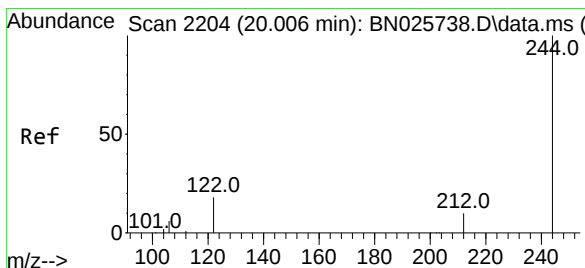
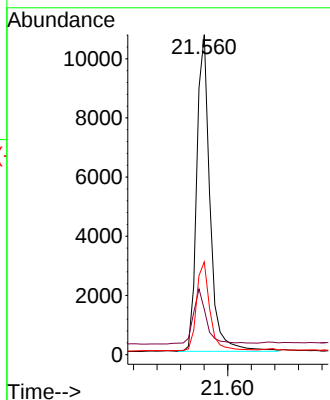
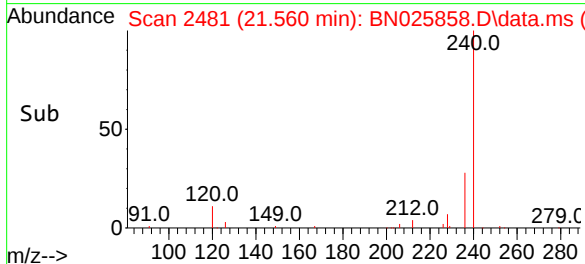
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-858-860



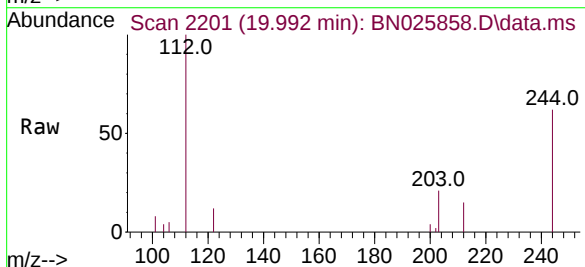
Tgt Ion:240 Resp: 1667
Ion Ratio Lower Upper
240 100
120 14.2 13.2 19.8
236 29.0 23.1 34.7

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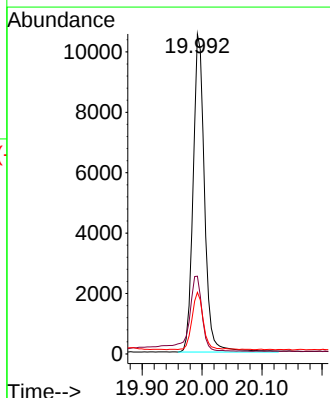
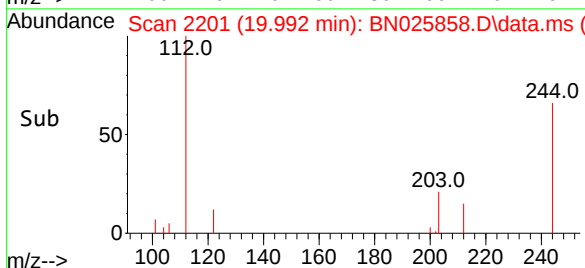
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

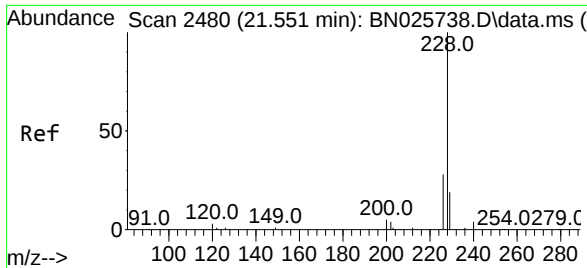


#31
Terphenyl-d14
Concen: 0.344 ng
RT: 19.992 min Scan# 2201
Delta R.T. -0.005 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05



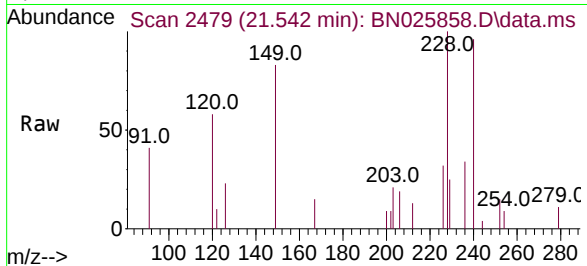
Tgt Ion:244 Resp: 13909
Ion Ratio Lower Upper
244 100
212 24.3 8.6 12.8#
122 19.3 15.2 22.8





#32
Benzo(a)anthracene
Concen: 0.056 ng m
RT: 21.542 min Scan# 2479
Delta R.T. 0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

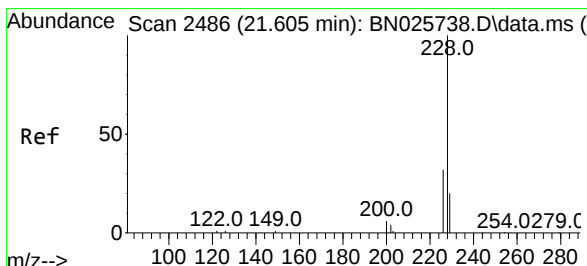
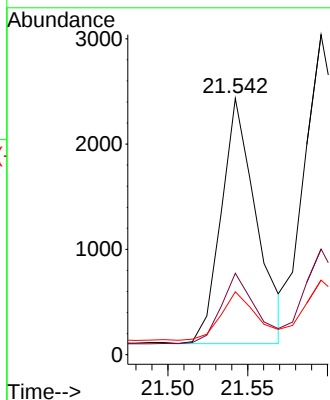
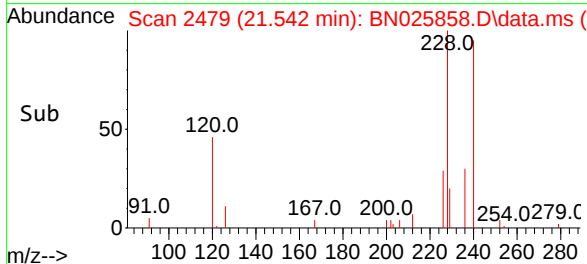
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-858-860



Tgt Ion:228 Resp: 357
Ion Ratio Lower Upper
228 100
226 31.8 22.9 34.3
229 24.6 15.6 23.4

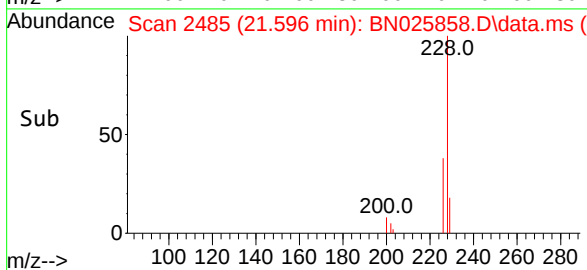
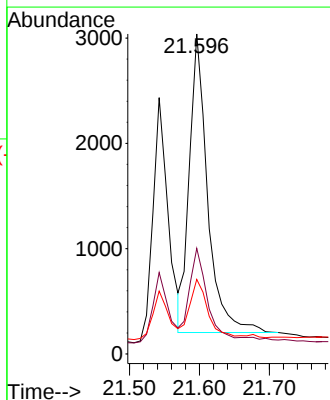
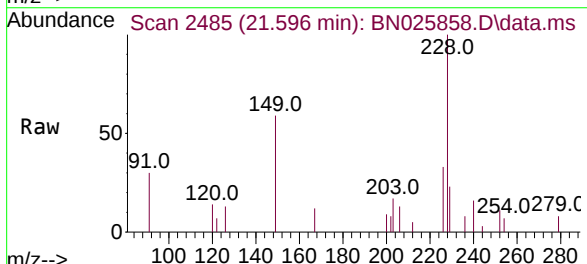
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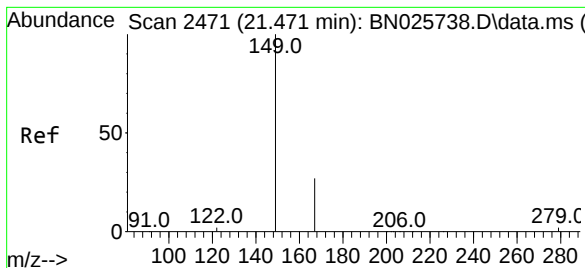
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#33
Chrysene
Concen: 0.076 ng
RT: 21.596 min Scan# 2485
Delta R.T. 0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

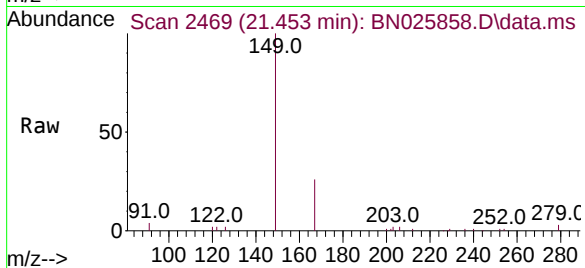
Tgt Ion:228 Resp: 5148
Ion Ratio Lower Upper
228 100
226 33.0 25.4 38.2
229 23.3 16.1 24.1





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.596 ng
 RT: 21.453 min Scan# 2471
 Delta R.T. -0.009 min
 Lab File: BN025858.D
 Acq: 15 Jun 2023 15:05

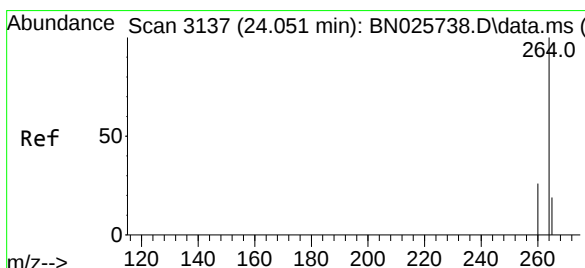
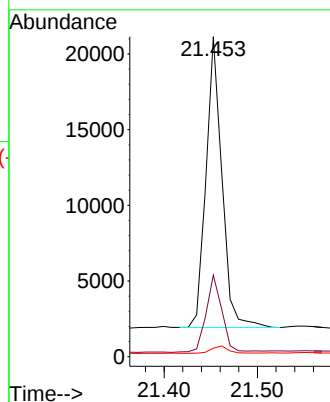
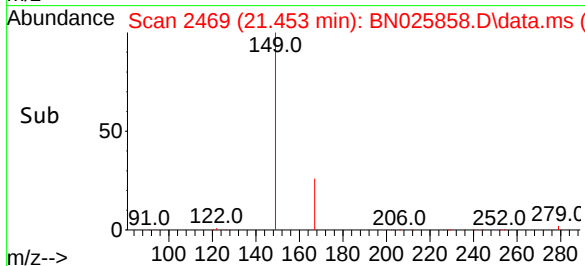
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW11-GW-858-860



Tgt Ion:149 Resp: 22825
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.0 31.6
 279 2.8 2.2 3.4

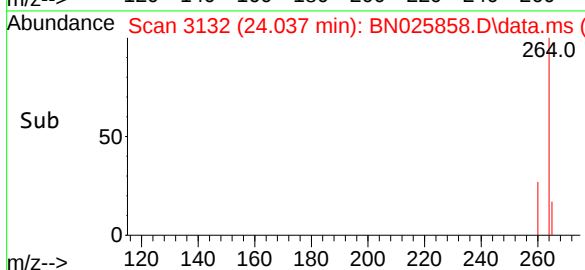
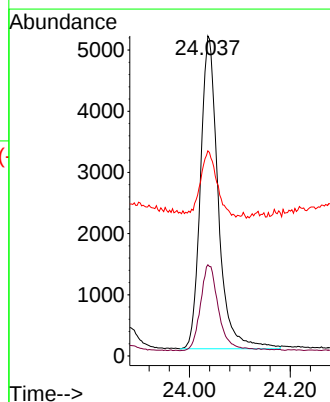
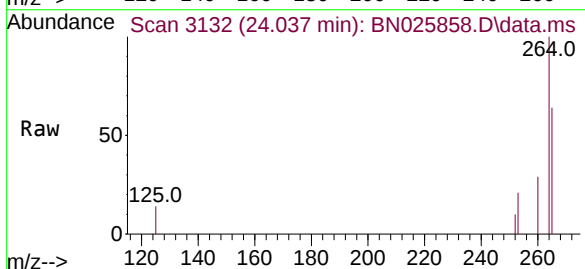
Manual Integrations
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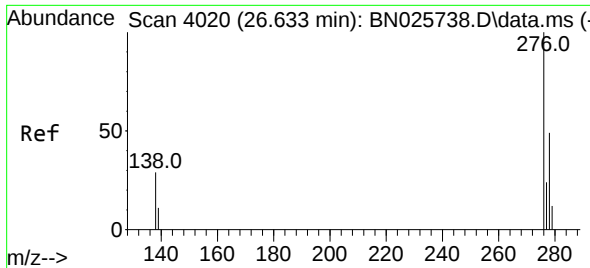
Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.037 min Scan# 3132
 Delta R.T. -0.012 min
 Lab File: BN025858.D
 Acq: 15 Jun 2023 15:05

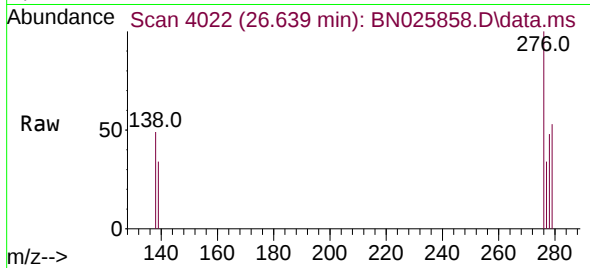
Tgt Ion:264 Resp: 12478
 Ion Ratio Lower Upper
 264 100
 260 28.5 21.4 32.2
 265 64.1 44.7 67.1





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.068 ng
RT: 26.639 min Scan# 4020
Delta R.T. -0.003 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

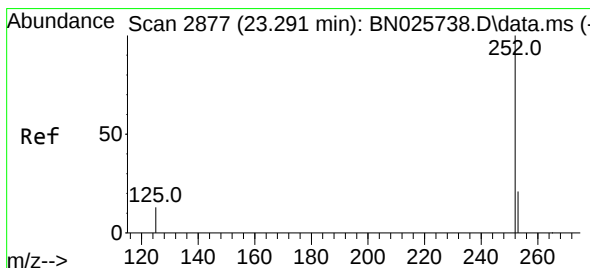
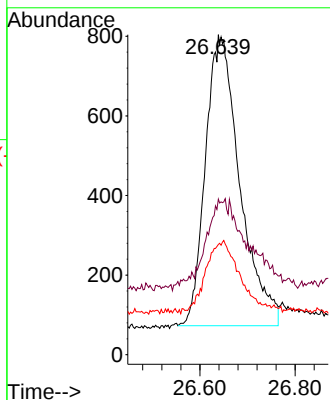
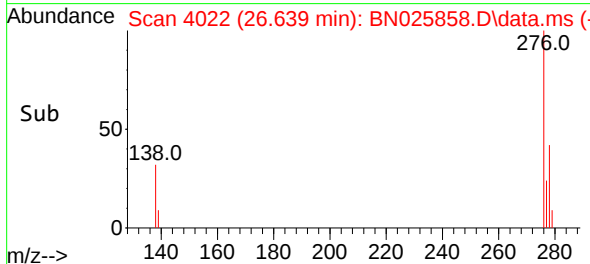
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-858-860



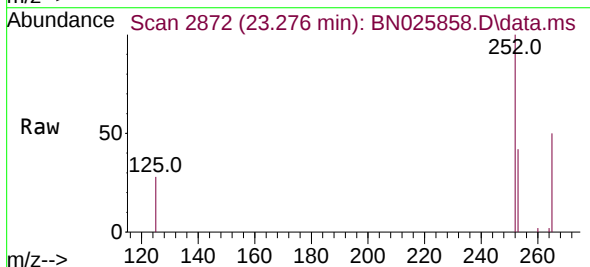
Tgt Ion:276 Resp: 3660
Ion Ratio Lower Upper
276 100
138 12.1 26.1 39.1#
277 22.3 19.4 29.2#

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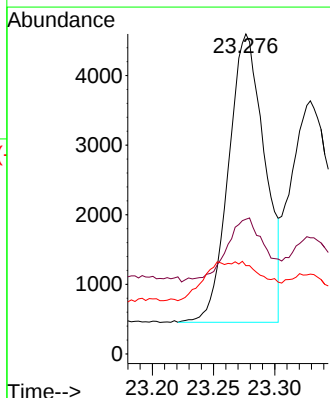
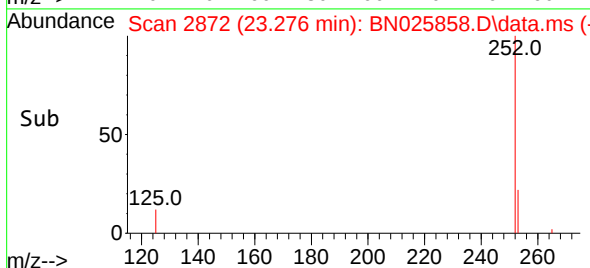
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

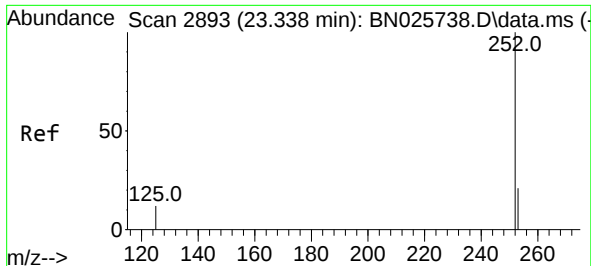


#37
Benzo(b)fluoranthene
Concen: 0.173 ng
RT: 23.276 min Scan# 2872
Delta R.T. -0.006 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05



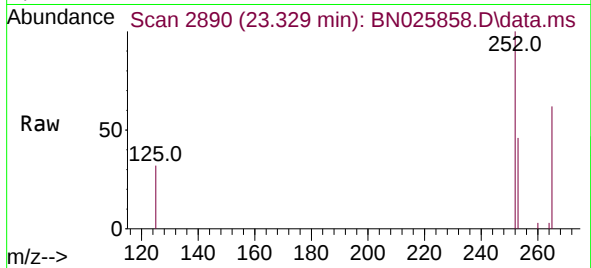
Tgt Ion:252 Resp: 8493
Ion Ratio Lower Upper
252 100
253 42.1 23.4 35.0#
125 27.6 12.3 18.5#





#38
Benzo(k)fluoranthene
Concen: 0.134 ng
RT: 23.329 min Scan# 2890
Delta R.T. 0.000 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

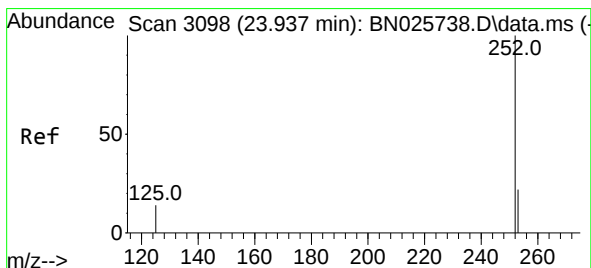
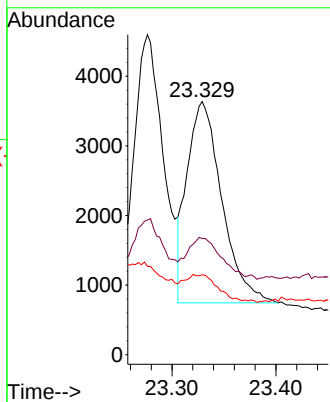
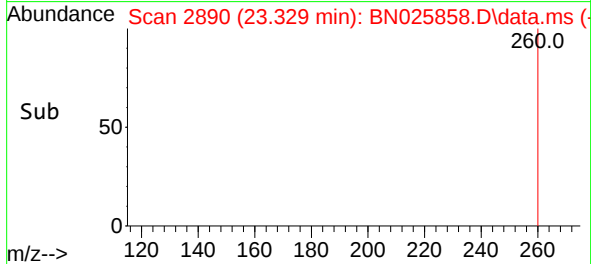
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-858-860



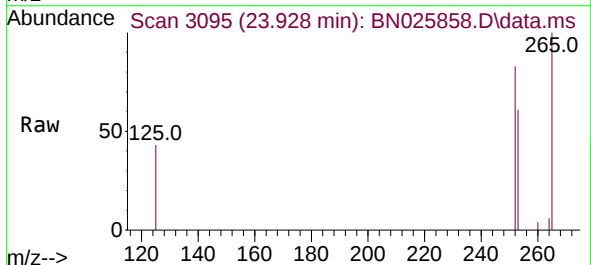
Tgt Ion:252 Resp: 6720
Ion Ratio Lower Upper
252 100
253 45.9 24.2 36.4#
125 31.5 12.2 18.2#

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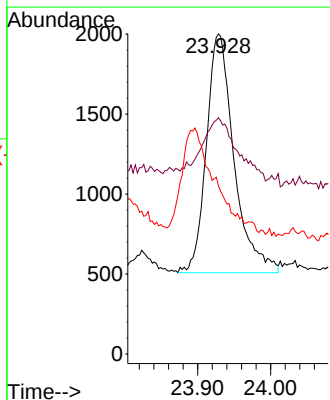
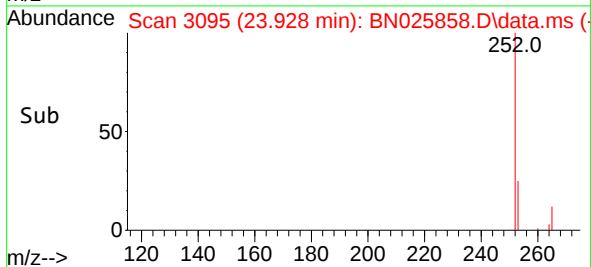
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

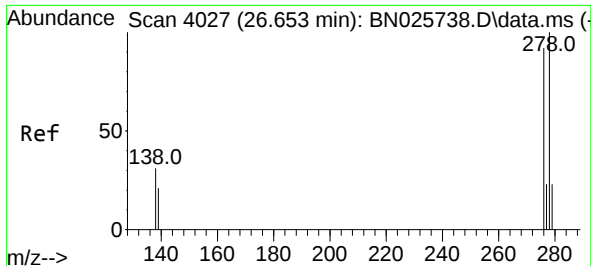


#39
Benzo(a)pyrene
Concen: 0.084 ng
RT: 23.928 min Scan# 3095
Delta R.T. -0.009 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05



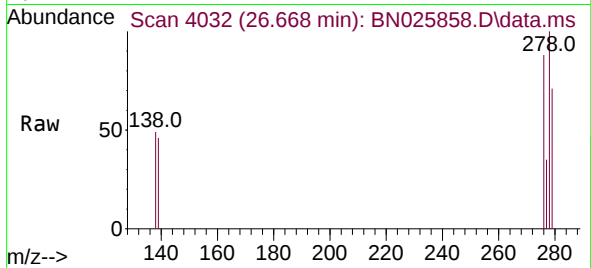
Tgt Ion:252 Resp: 3936
Ion Ratio Lower Upper
252 100
253 73.8 27.5 41.3#
125 52.5 14.6 21.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.057 ng
RT: 26.668 min Scan# 4027
Delta R.T. 0.006 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

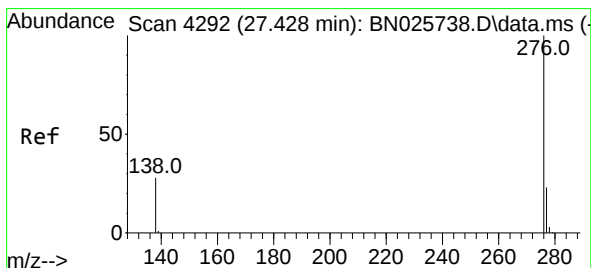
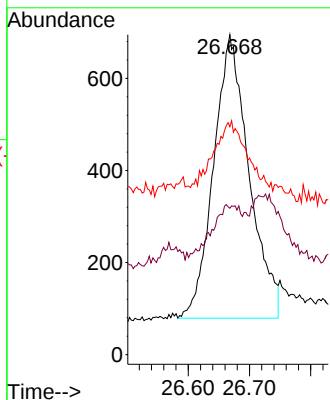
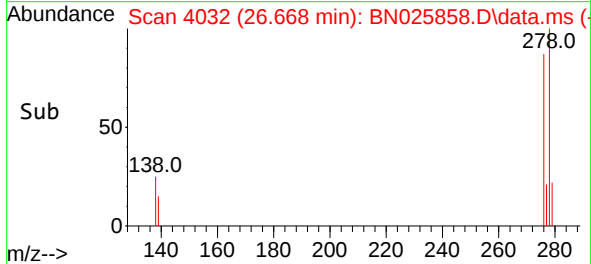
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-858-860



Tgt Ion:278 Resp: 247
Ion Ratio Lower Upper
278 100
139 45.8 18.7 28.1
279 71.2 25.1 37.7

Manual Integrations
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Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#41
Benzo(g,h,i)perylene
Concen: 0.075 ng
RT: 27.434 min Scan# 4294
Delta R.T. -0.012 min
Lab File: BN025858.D
Acq: 15 Jun 2023 15:05

Tgt Ion:276 Resp: 3643
Ion Ratio Lower Upper
276 100
277 34.5 20.2 30.2#
138 41.8 24.2 36.4#

