

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061523\
 Data File : BN025863.D
 Acq On : 15 Jun 2023 18:07
 Operator : MA/JU
 Sample : 03173-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OW-07B-62.5-67.5-061223-PD

Quant Time: Jun 16 01:46:44 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.005	152	5003	0.400	ng	0.00
7) Naphthalene-d8	10.814	136	12700	0.400	ng	# 0.00
13) Acenaphthene-d10	14.630	164	6457	0.400	ng	0.00
19) Phenanthrene-d10	17.381	188	12663	0.400	ng	0.00
29) Chrysene-d12	21.560	240	10387	0.400	ng	0.00
35) Perylene-d12	24.031	264	10399	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.549	112	1610	0.114	ng	0.01
5) Phenol-d6	7.174	99	961	0.056	ng	0.02
8) Nitrobenzene-d5	9.180	82	3227	0.273	ng	0.02
11) 2-Methylnaphthalene-d10	12.404	152	5592	0.306	ng	0.00
14) 2,4,6-Tribromophenol	16.127	330	670	0.337	ng	0.00
15) 2-Fluorobiphenyl	13.261	172	8723	0.320	ng	0.00
27) Fluoranthene-d10	19.407	212	12436	0.477	ng	0.00
31) Terphenyl-d14	19.997	244	10228	0.406	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.383	88	154902	26.389	ng	# 93
32) Benzo(a)anthracene	21.542	228	1380	0.034	ng	# 85
33) Chrysene	21.596	228	2252	0.053	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.453	149	3504	0.147	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.624	276	2047m	0.046	ng	
37) Benzo(b)fluoranthene	23.273	252	4446	0.108	ng	# 66
38) Benzo(k)fluoranthene	23.323	252	4033m	0.096	ng	
40) Dibenzo(a,h)anthracene	26.642	278	1389	0.038	ng	# 15
41) Benzo(g,h,i)perylene	27.416	276	2094	0.052	ng	# 78

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

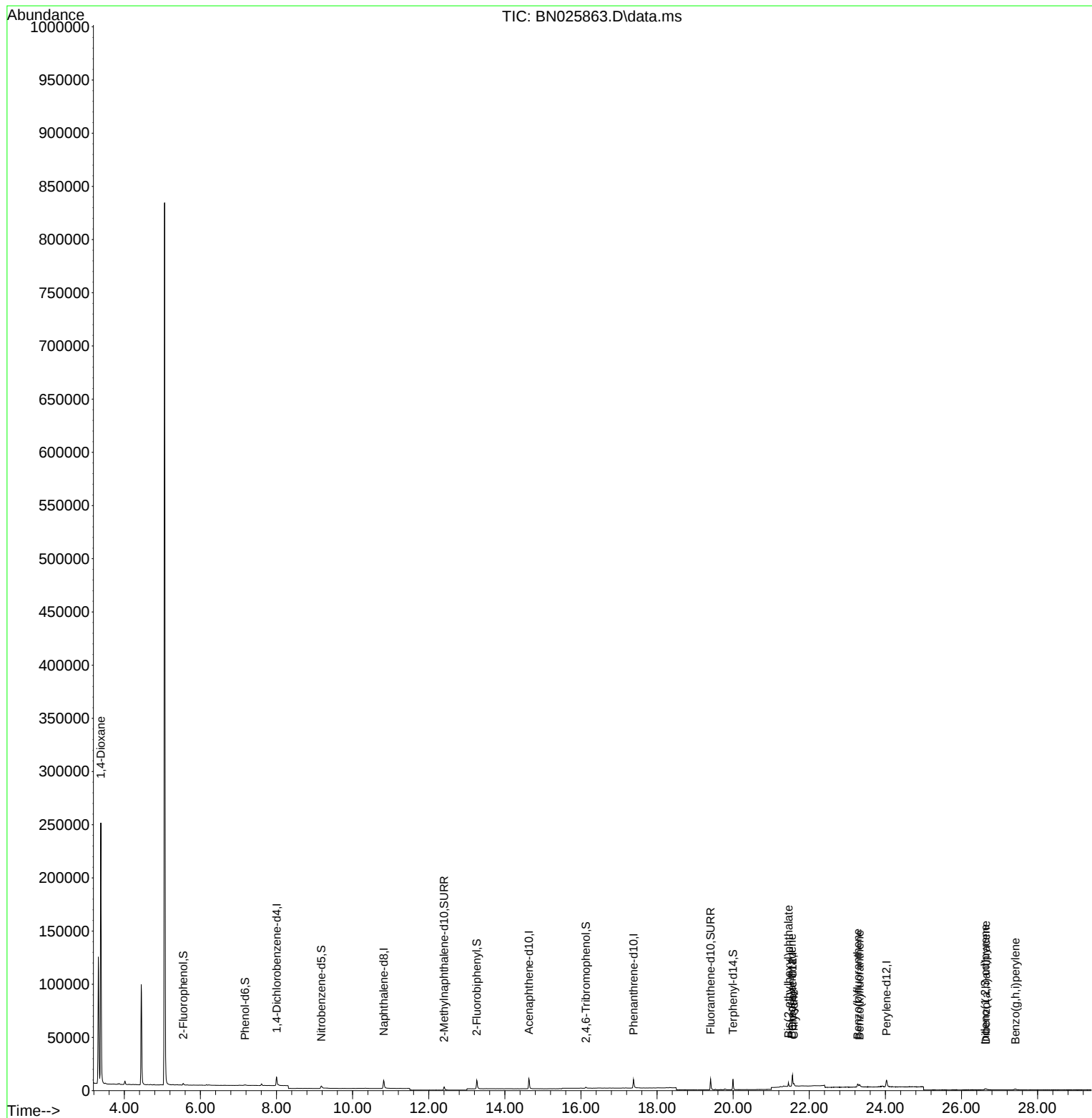
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061523\
Data File : BN025863.D
Acq On : 15 Jun 2023 18:07
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Quant Time: Jun 16 01:46:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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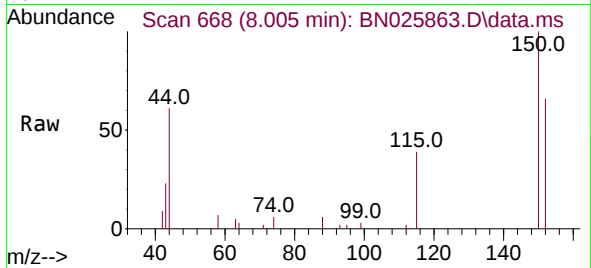
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.005 min Scan# 669
Delta R.T. 0.007 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

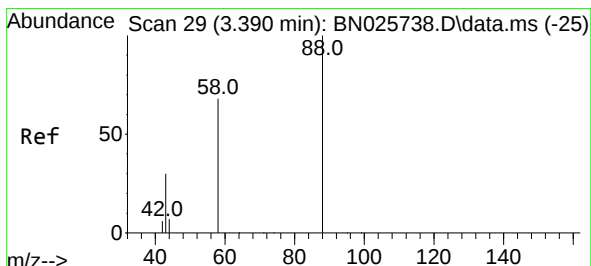
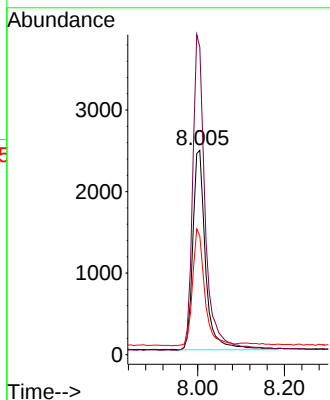
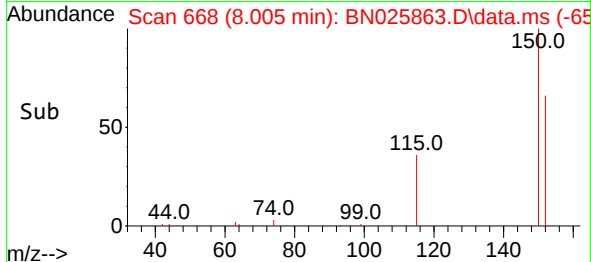
Instrument :
BNA_N
ClientSampleId :
OW-07B-62.5-67.5-061223-PD



Tgt Ion:152 Resp: 500
Ion Ratio Lower Upper
152 100
150 150.5 121.5 182.3
115 58.2 47.7 71.5

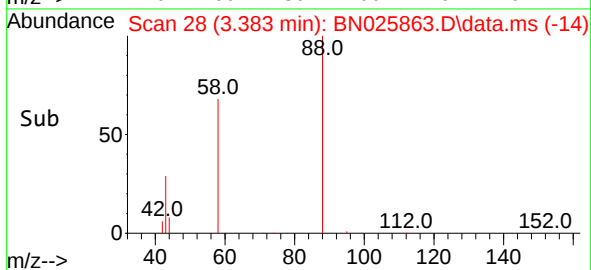
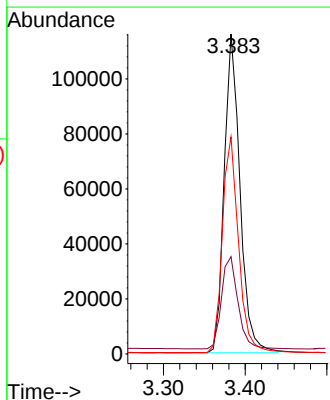
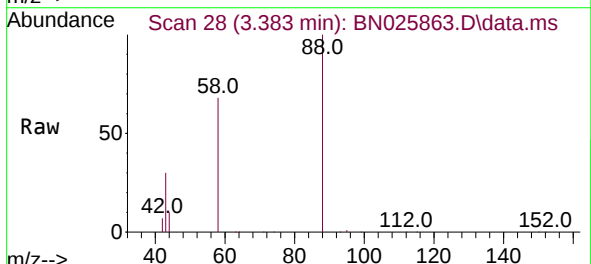
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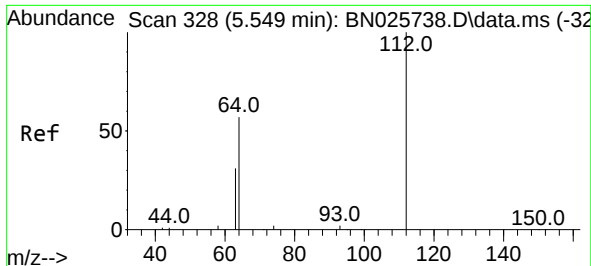
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#2
1,4-Dioxane
Concen: 26.389 ng
RT: 3.383 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

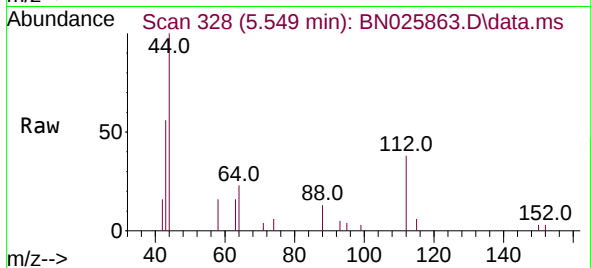
Tgt Ion: 88 Resp: 154902
Ion Ratio Lower Upper
88 100
43 30.3 31.0 46.4#
58 69.0 57.3 85.9





#4
2-Fluorophenol
Concen: 0.114 ng
RT: 5.549 min Scan# 31
Delta R.T. 0.014 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

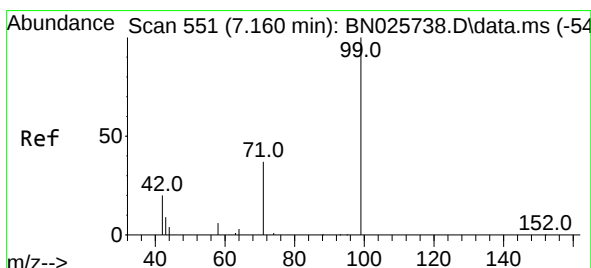
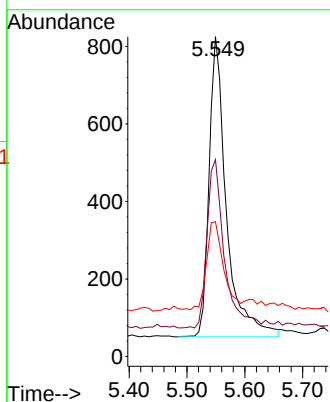
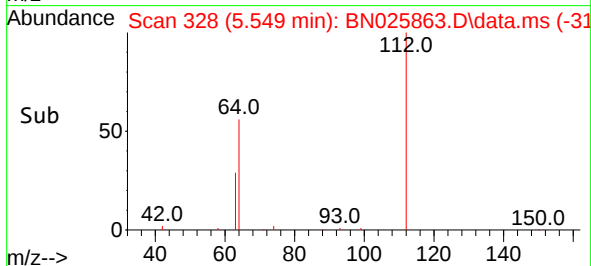
Instrument :
BNA_N
ClientSampleId :
OW-07B-62.5-67.5-061223-PD



Tgt Ion: 112 Resp: 1610
Ion Ratio Lower Upper
112 100
64 57.3 47.5 71.3
63 28.3 26.2 39.4

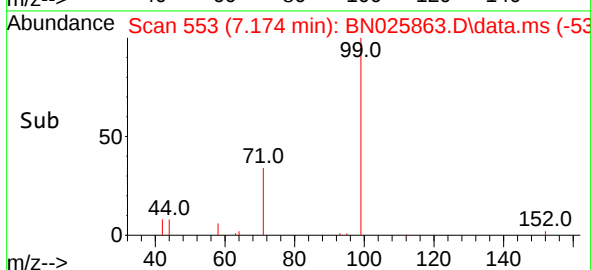
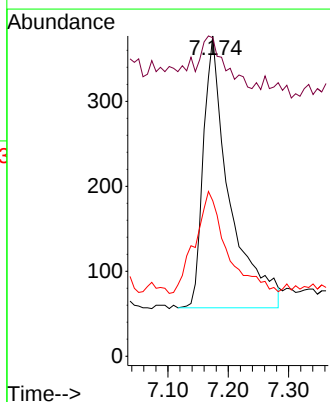
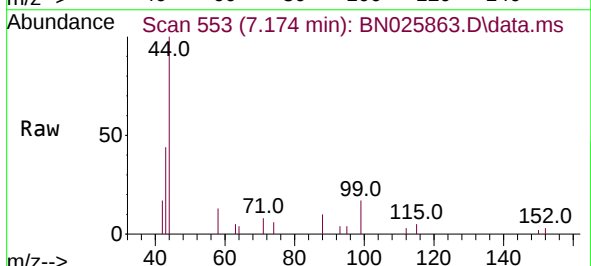
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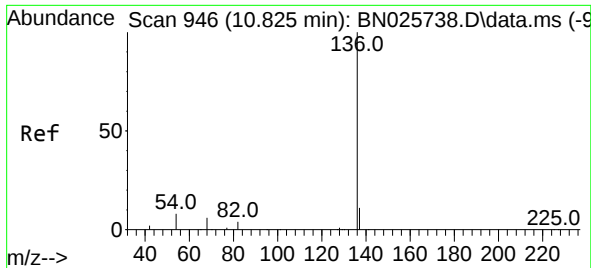
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#5
Phenol-d6
Concen: 0.056 ng
RT: 7.174 min Scan# 553
Delta R.T. 0.022 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

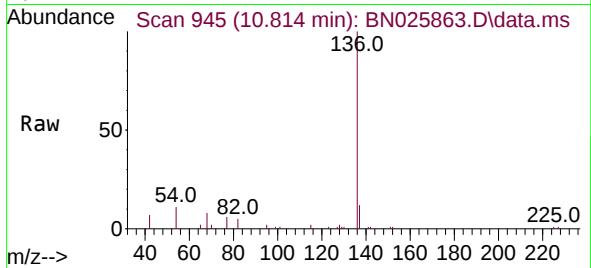
Tgt Ion: 99 Resp: 961
Ion Ratio Lower Upper
99 100
42 16.9 18.6 28.0#
71 46.1 30.5 45.7#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.814 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

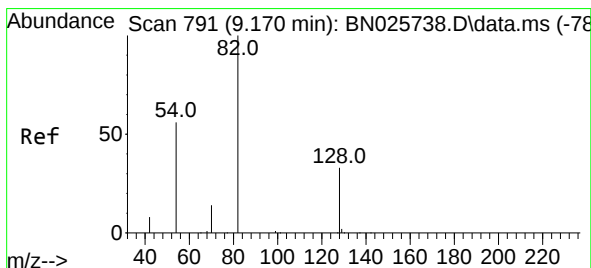
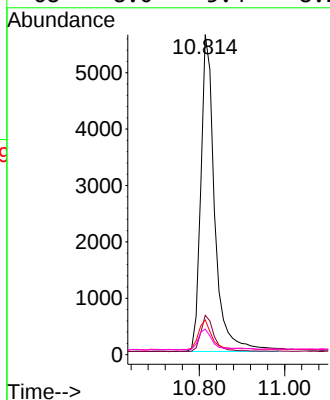
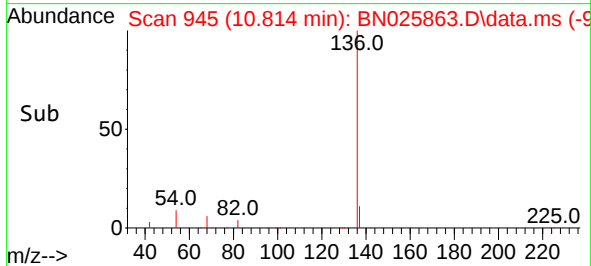
Instrument :
BNA_N
ClientSampleId :
OW-07B-62.5-67.5-061223-PD



Tgt Ion:	136	Resp:	12700
Ion Ratio	Lower	Upper	
136	100		
137	12.3	9.3	13.9
54	10.8	7.2	10.8
68	8.0	5.4	8.2

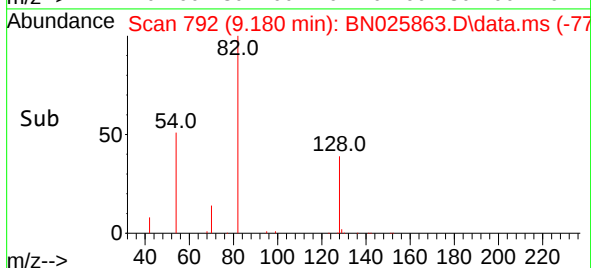
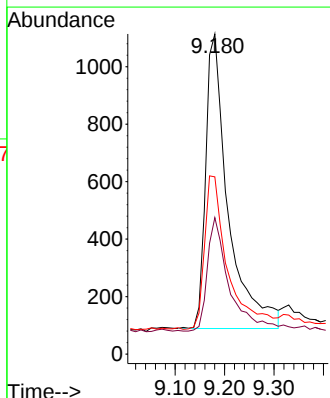
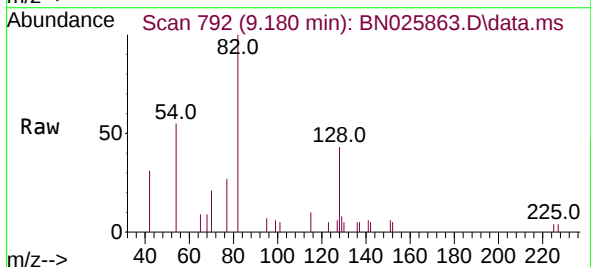
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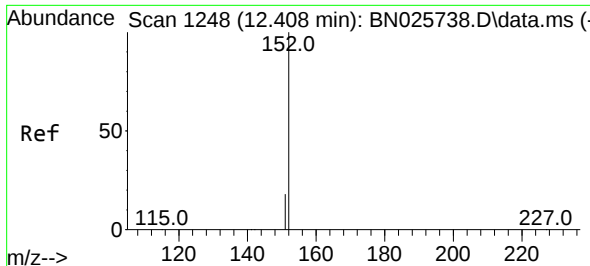
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#8
Nitrobenzene-d5
Concen: 0.273 ng
RT: 9.180 min Scan# 792
Delta R.T. 0.021 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

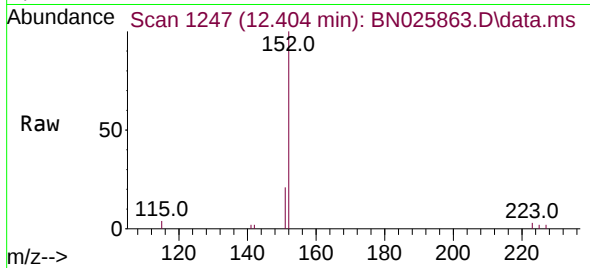
Tgt Ion:	82	Resp:	3227
Ion Ratio	Lower	Upper	
82	100		
128	42.6	27.6	41.4
54	55.4	45.7	68.5





#11
2-Methylnaphthalene-d10
Concen: 0.306 ng
RT: 12.404 min Scan# 11
Delta R.T. 0.008 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

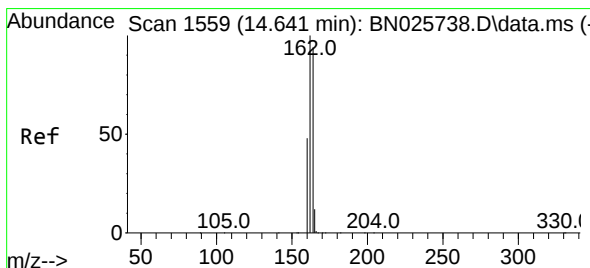
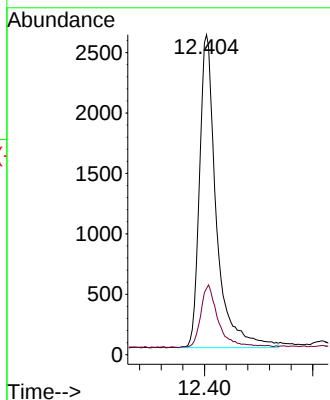
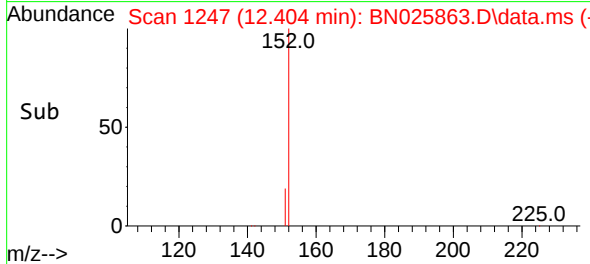
Instrument :
BNA_N
ClientSampleId :
OW-07B-62.5-67.5-061223-PD



Tgt Ion:152 Resp: 5592
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6

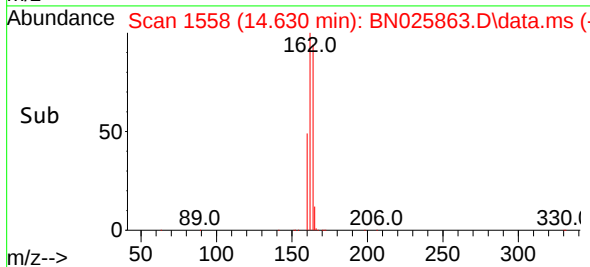
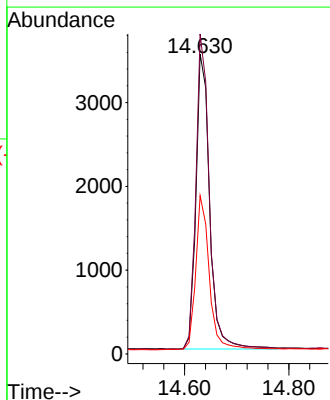
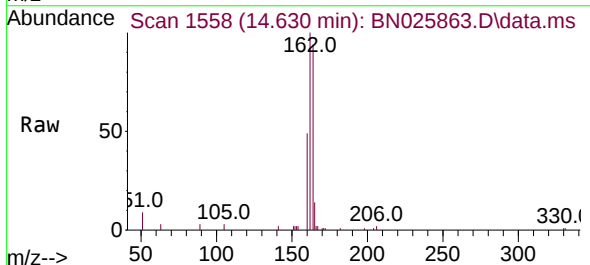
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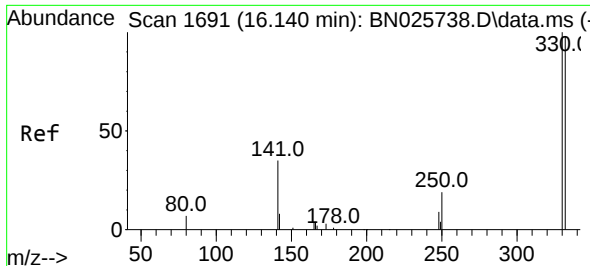
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.630 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

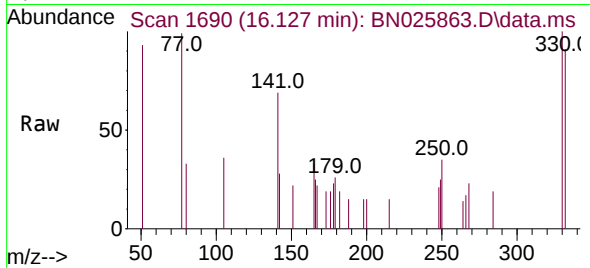
Tgt Ion:164 Resp: 6457
Ion Ratio Lower Upper
164 100
162 106.7 85.0 127.6
160 52.8 41.1 61.7





#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 16.127 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

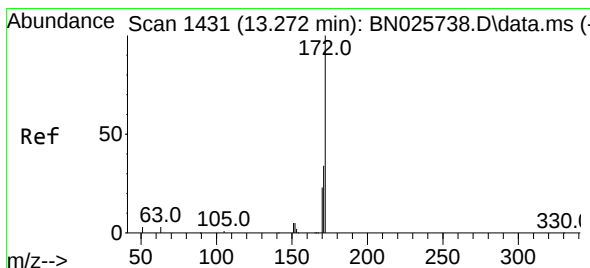
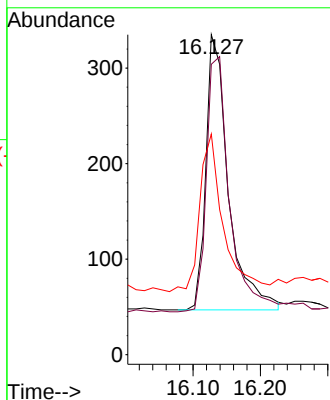
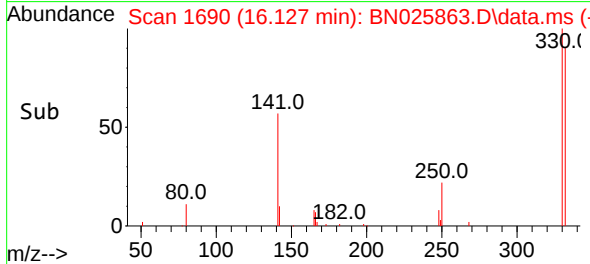
Instrument :
BNA_N
ClientSampleId :
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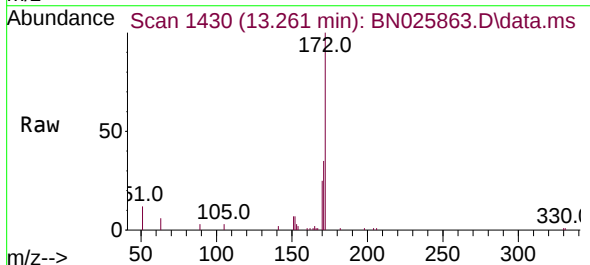
Tgt Ion:330 Resp: 670
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 59.7 55.0 82.6

Manual Integrations
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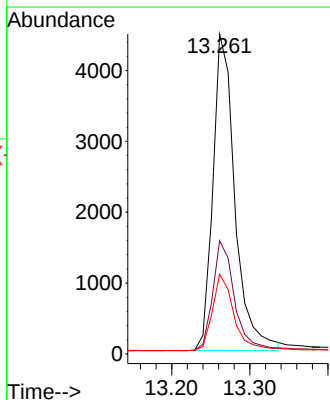
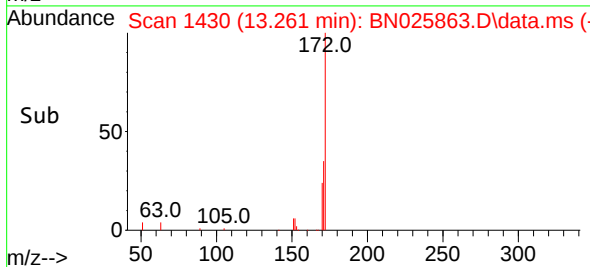
Reviewed By :Yogesh Patel 06/16/2023
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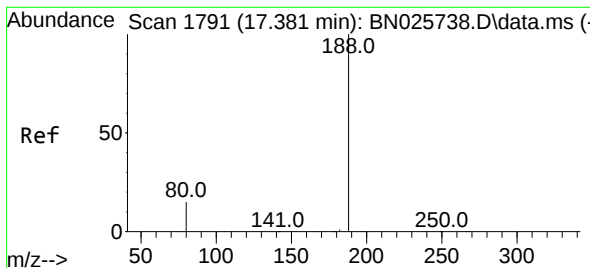


#15
2-Fluorobiphenyl
Concen: 0.320 ng
RT: 13.261 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07



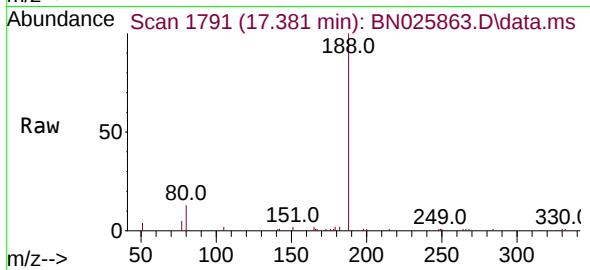
Tgt Ion:172 Resp: 8723
Ion Ratio Lower Upper
172 100
171 35.4 27.3 40.9
170 24.9 18.6 28.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.381 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

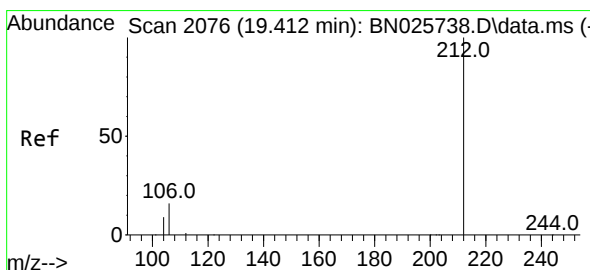
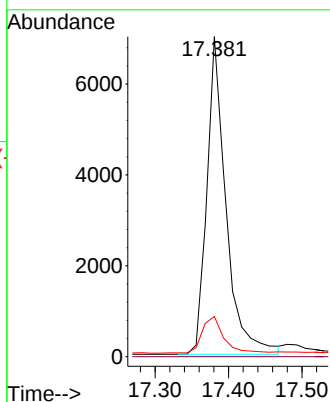
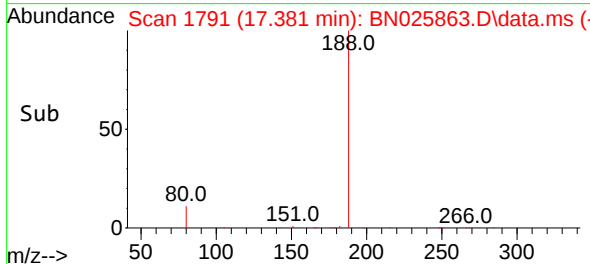
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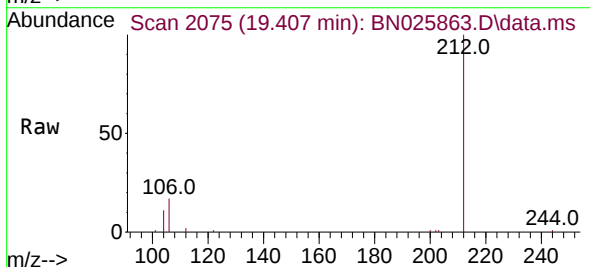
Tgt Ion:188 Resp: 1266
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.5 12.1 18.1

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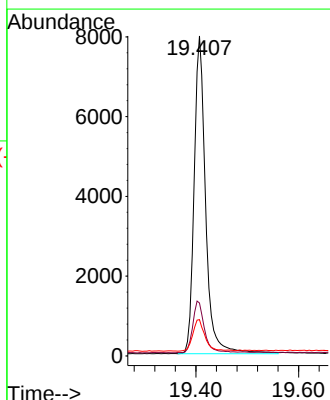
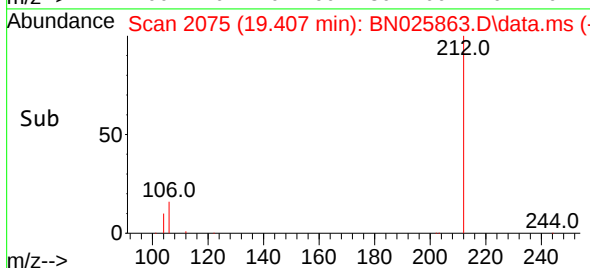
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

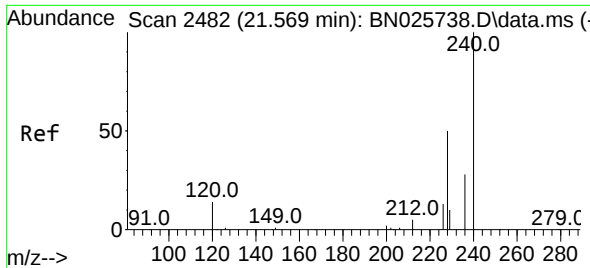


#27
Fluoranthene-d10
Concen: 0.477 ng
RT: 19.407 min Scan# 2075
Delta R.T. 0.005 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07



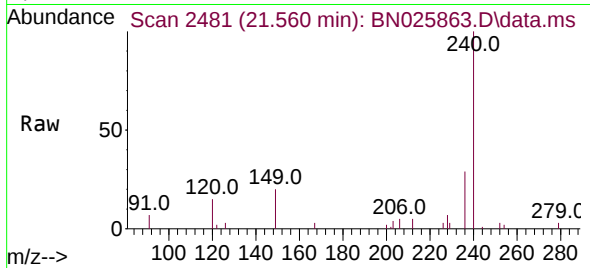
Tgt Ion:212 Resp: 12436
Ion Ratio Lower Upper
212 100
106 16.5 13.0 19.6
104 10.3 7.7 11.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.560 min Scan# 2482
Delta R.T. 0.000 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

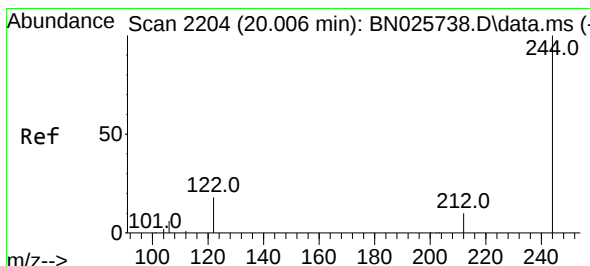
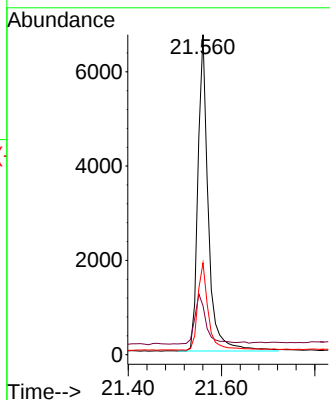
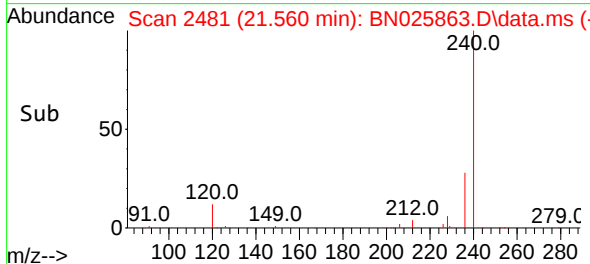
Instrument :
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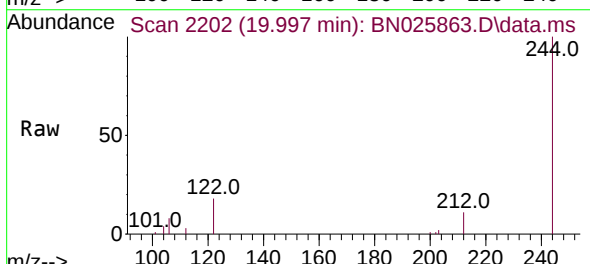
Tgt Ion:240 Resp: 1038
Ion Ratio Lower Upper
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120 15.3 13.2 19.8
236 28.7 23.1 34.7

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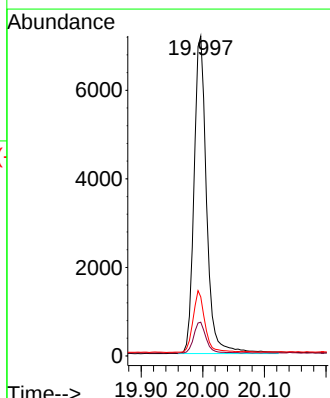
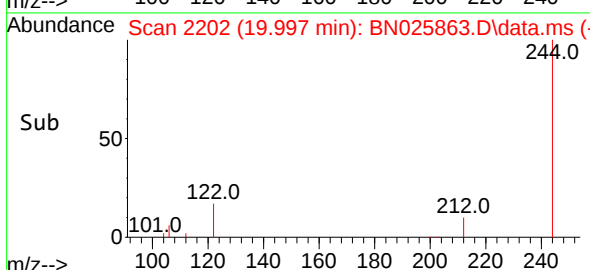
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

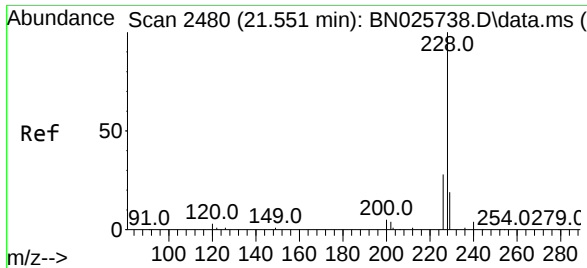


#31
Terphenyl-d14
Concen: 0.406 ng
RT: 19.997 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07



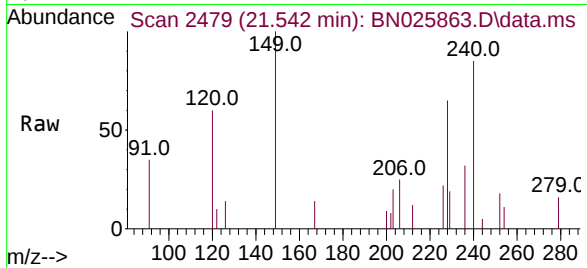
Tgt Ion:244 Resp: 10228
Ion Ratio Lower Upper
244 100
212 10.5 8.6 12.8
122 18.4 15.2 22.8





#32
Benzo(a)anthracene
Concen: 0.034 ng
RT: 21.542 min Scan# 2479
Delta R.T. 0.000 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

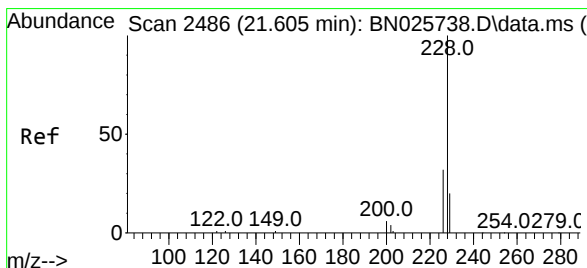
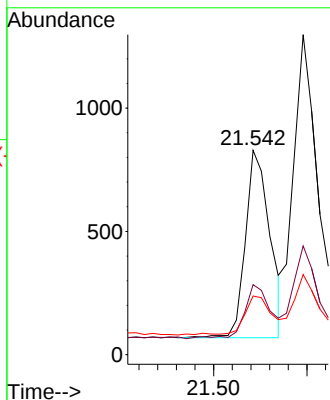
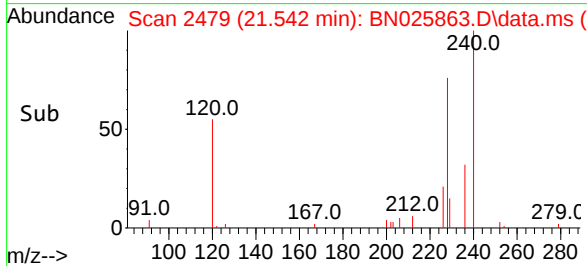
Instrument :
BNA_N
ClientSampleId :
OW-07B-62.5-67.5-061223-PD



Tgt Ion:228 Resp: 1380
Ion Ratio Lower Upper
228 100
226 34.3 22.9 34.3
229 28.7 15.6 23.4

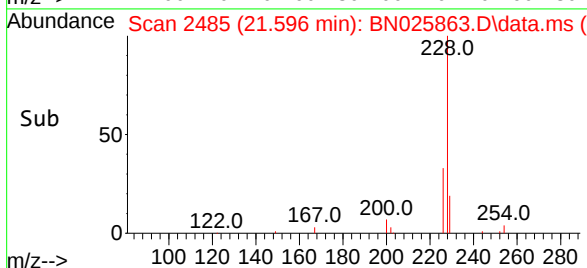
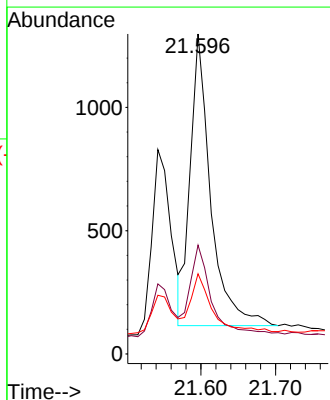
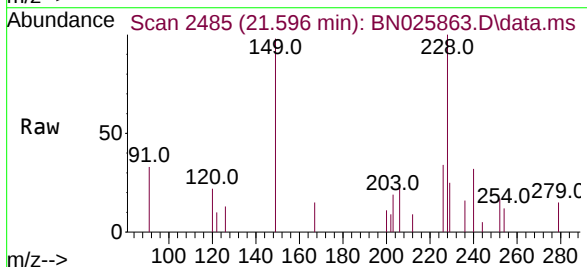
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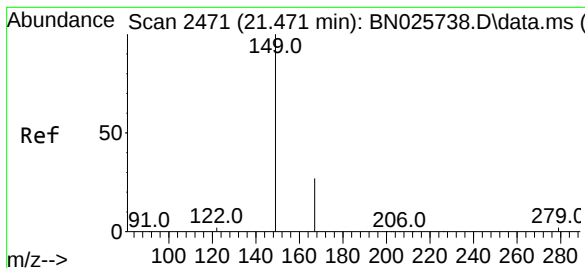
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#33
Chrysene
Concen: 0.053 ng
RT: 21.596 min Scan# 2485
Delta R.T. 0.000 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

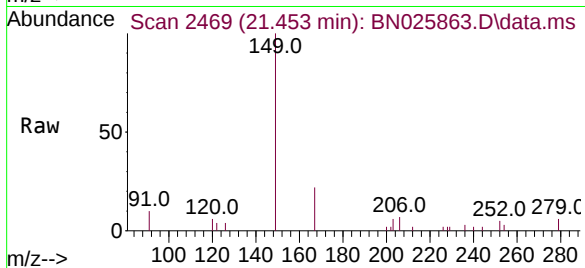
Tgt Ion:228 Resp: 2252
Ion Ratio Lower Upper
228 100
226 34.0 25.4 38.2
229 25.0 16.1 24.1





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.147 ng
RT: 21.453 min Scan# 2471
Delta R.T. -0.009 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

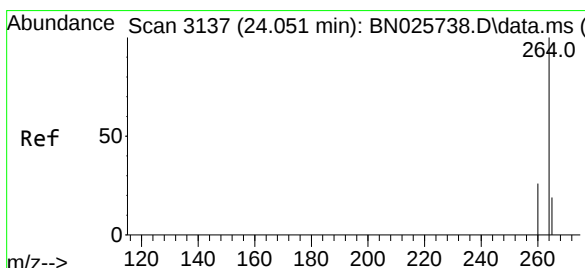
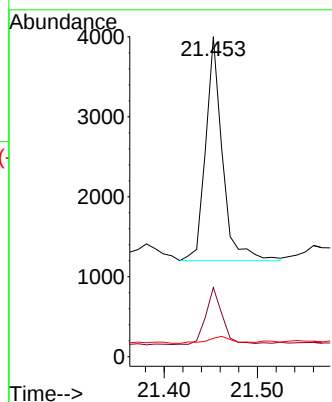
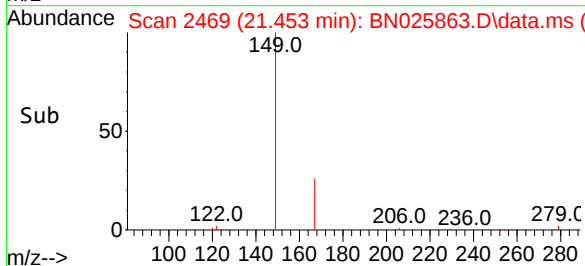
Instrument :
BNA_N
ClientSampleId :
OW-07B-62.5-67.5-061223-PD



Tgt Ion:149 Resp: 3504
Ion Ratio Lower Upper
149 100
167 24.9 21.0 31.6
279 4.7 2.2 3.4

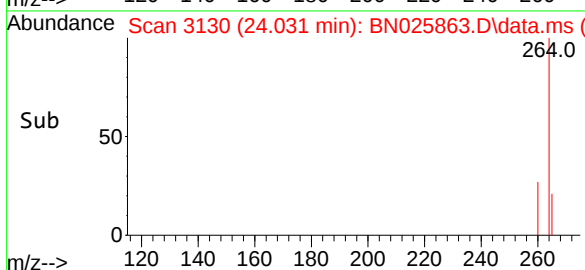
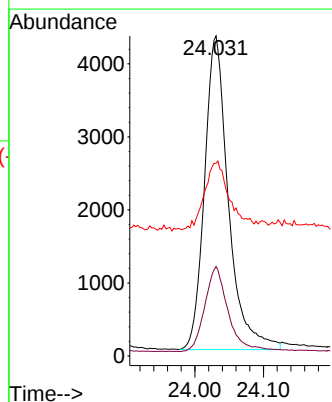
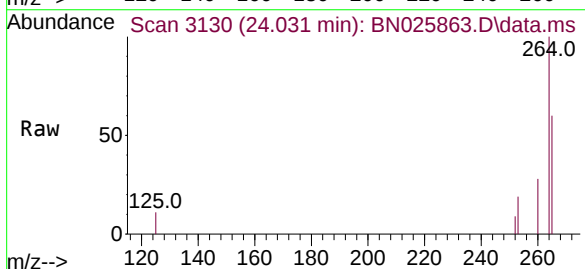
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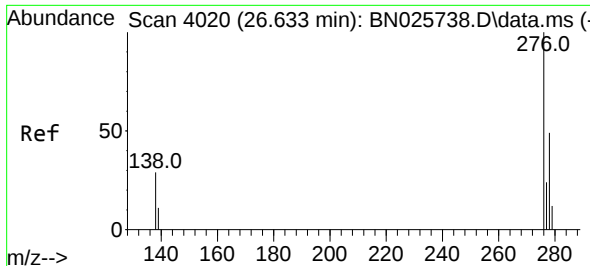
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.031 min Scan# 3130
Delta R.T. -0.017 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

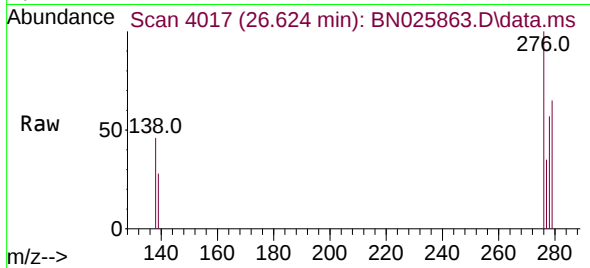
Tgt Ion:264 Resp: 10399
Ion Ratio Lower Upper
264 100
260 28.0 21.4 32.2
265 60.2 44.7 67.1





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.046 ng m
 RT: 26.624 min Scan# 4020
 Delta R.T. -0.018 min
 Lab File: BN025863.D
 Acq: 15 Jun 2023 18:07

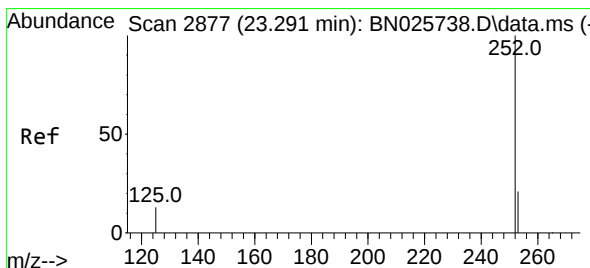
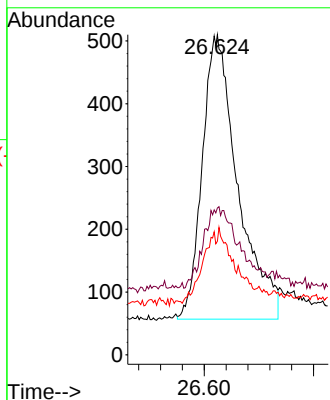
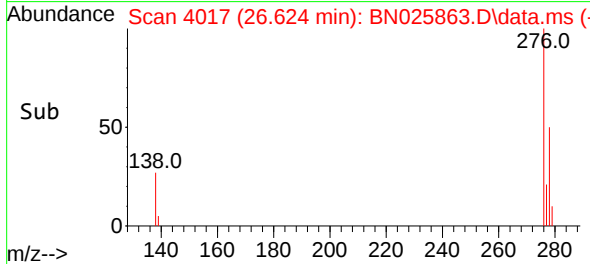
Instrument :
 BNA_N
 ClientSampleId :
 OW-07B-62.5-67.5-061223-PD



Tgt Ion:276 Resp: 204
 Ion Ratio Lower Upper
 276 100
 138 27.7 26.1 39.1
 277 9.7 19.4 29.2

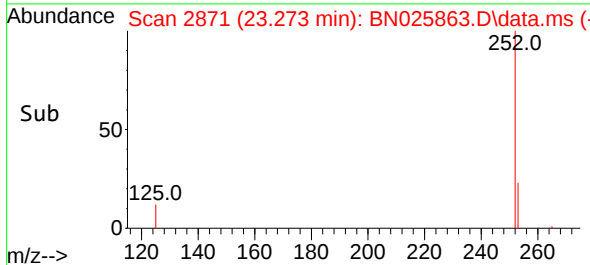
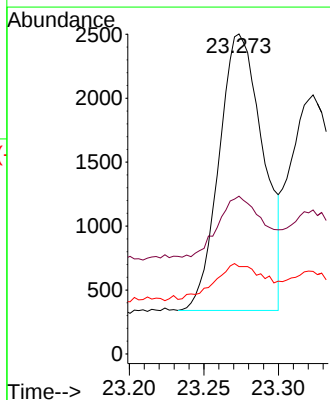
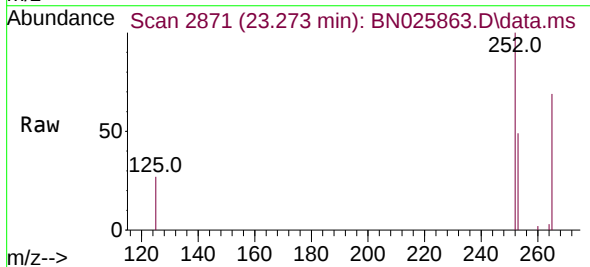
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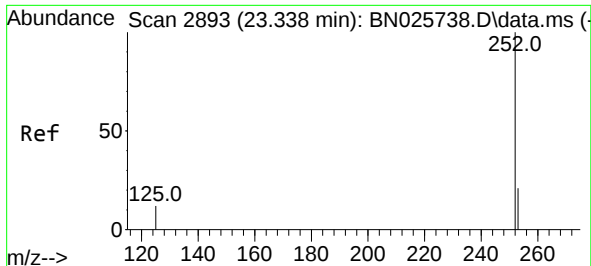
Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023



#37
 Benzo(b)fluoranthene
 Concen: 0.108 ng
 RT: 23.273 min Scan# 2871
 Delta R.T. -0.009 min
 Lab File: BN025863.D
 Acq: 15 Jun 2023 18:07

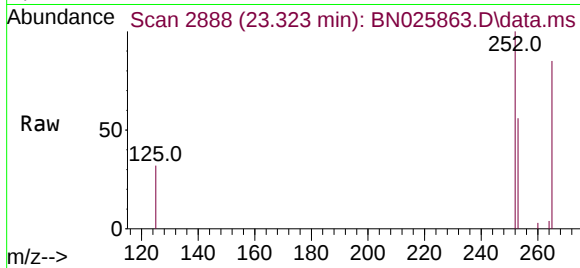
Tgt Ion:252 Resp: 4446
 Ion Ratio Lower Upper
 252 100
 253 49.3 23.4 35.0#
 125 27.3 12.3 18.5#





#38
Benzo(k)fluoranthene
Concen: 0.096 ng m
RT: 23.323 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

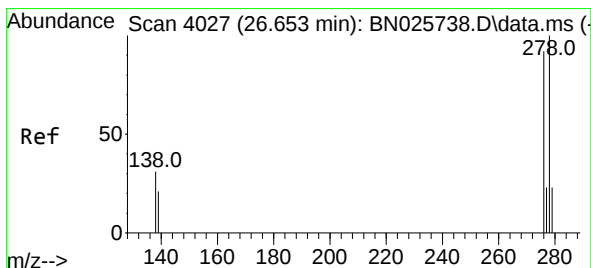
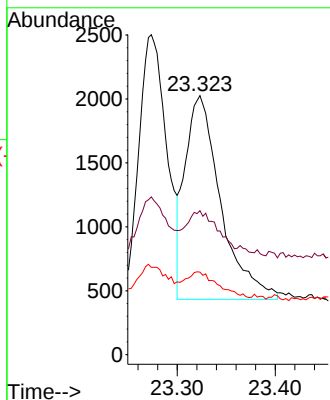
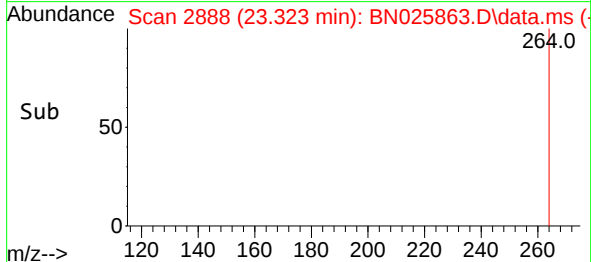
Instrument :
BNA_N
ClientSampleId :
OW-07B-62.5-67.5-061223-PD



Tgt Ion:252 Resp: 403
Ion Ratio Lower Upper
252 100
253 55.6 24.2 36.4#
125 31.9 12.2 18.2#

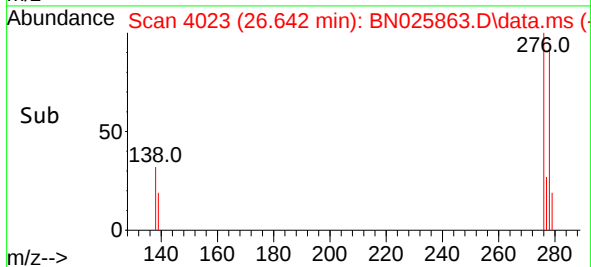
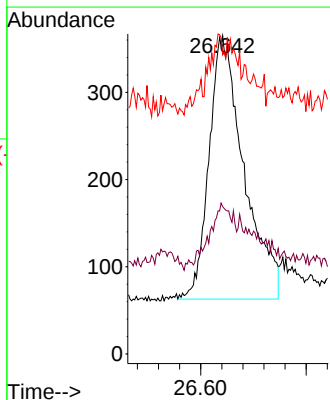
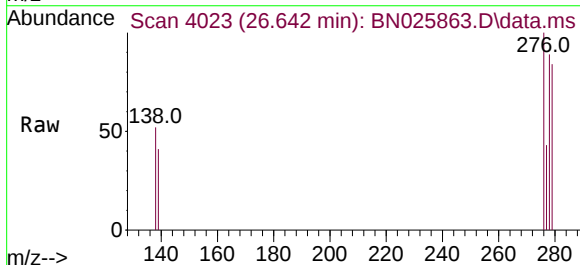
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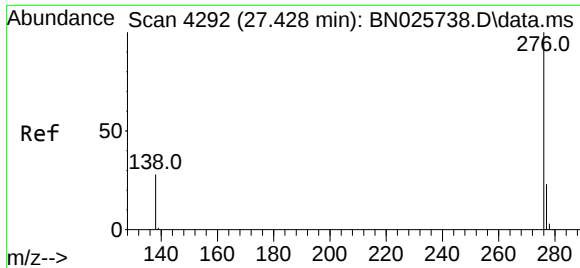
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#40
Dibenzo(a,h)anthracene
Concen: 0.038 ng
RT: 26.642 min Scan# 4023
Delta R.T. -0.020 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

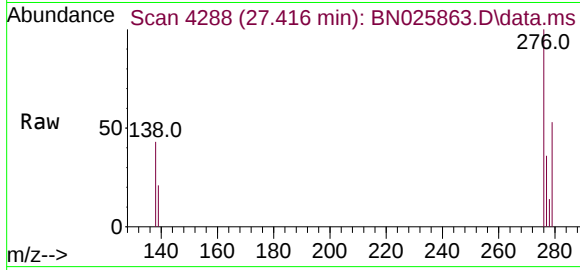
Tgt Ion:278 Resp: 1389
Ion Ratio Lower Upper
278 100
139 46.3 18.7 28.1#
279 94.0 25.1 37.7#





#41
Benzo(g,h,i)perylene
Concen: 0.052 ng
RT: 27.416 min Scan# 41
Delta R.T. -0.029 min
Lab File: BN025863.D
Acq: 15 Jun 2023 18:07

Instrument :
BNA_N
ClientSampleId :
OW-07B-62.5-67.5-061223-PD



Tgt Ion:276 Resp: 2094
Ion Ratio Lower Upper
276 100
277 35.6 20.2 30.2
138 43.0 24.2 36.4

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

