

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100622\
 Data File : BN022024.D
 Acq On : 06 Oct 2022 18:27
 Operator : CG/JU
 Sample : N4983-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW5-GW-763-765

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/07/2022
 Supervised By : Jagrut Upadhyay 10/10/2022

Quant Time: Oct 07 00:41:08 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 01:32:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.986	152	4292	0.400	ng	0.00
7) Naphthalene-d8	10.816	136	13744	0.400	ng	0.00
13) Acenaphthene-d10	14.653	164	7495	0.400	ng	0.00
19) Phenanthrene-d10	17.400	188	15966	0.400	ng	#-0.01
29) Chrysene-d12	21.600	240	12614	0.400	ng	# 0.00
35) Perylene-d12	24.078	264	9885	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.508	112	2152	0.216	ng	0.00
5) Phenol-d6	7.141	99	1901	0.147	ng	0.00
8) Nitrobenzene-d5	9.161	82	3595	0.325	ng	0.00
11) 2-Methylnaphthalene-d10	12.406	152	7843	0.310	ng	0.00
14) 2,4,6-Tribromophenol	16.146	330	1189	0.416	ng	0.00
15) 2-Fluorobiphenyl	13.274	172	11137	0.340	ng	-0.01
27) Fluoranthene-d10	19.441	212	17433	0.411	ng	0.00
31) Terphenyl-d14	20.033	244	11202	0.442	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.320	88	6924	1.247	ng	# 96
9) Naphthalene	10.859	128	3616	0.087	ng	95
16) Acenaphthylene	14.375	152	2354	0.066	ng	96
18) Fluorene	15.701	166	1769	0.059	ng	98
25) Phenanthrene	17.437	178	14376	0.262	ng	100
26) Anthracene	17.536	178	3467	0.079	ng	# 91
28) Fluoranthene	19.470	202	12448	0.212	ng	# 45
30) Pyrene	19.833	202	8932	0.161	ng	96
32) Benzo(a)anthracene	21.582	228	3492	0.074	ng	94
33) Chrysene	21.636	228	3423	0.065	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.501	149	2735	0.120	ng	# 99
37) Benzo(b)fluoranthene	23.321	252	2478	0.053	ng	# 34
38) Benzo(k)fluoranthene	23.365	252	1167m	0.025	ng	
39) Benzo(a)pyrene	23.970	252	1357	0.038	ng	# 21
41) Benzo(g,h,i)perylene	27.487	276	871	0.020	ng	# 55

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

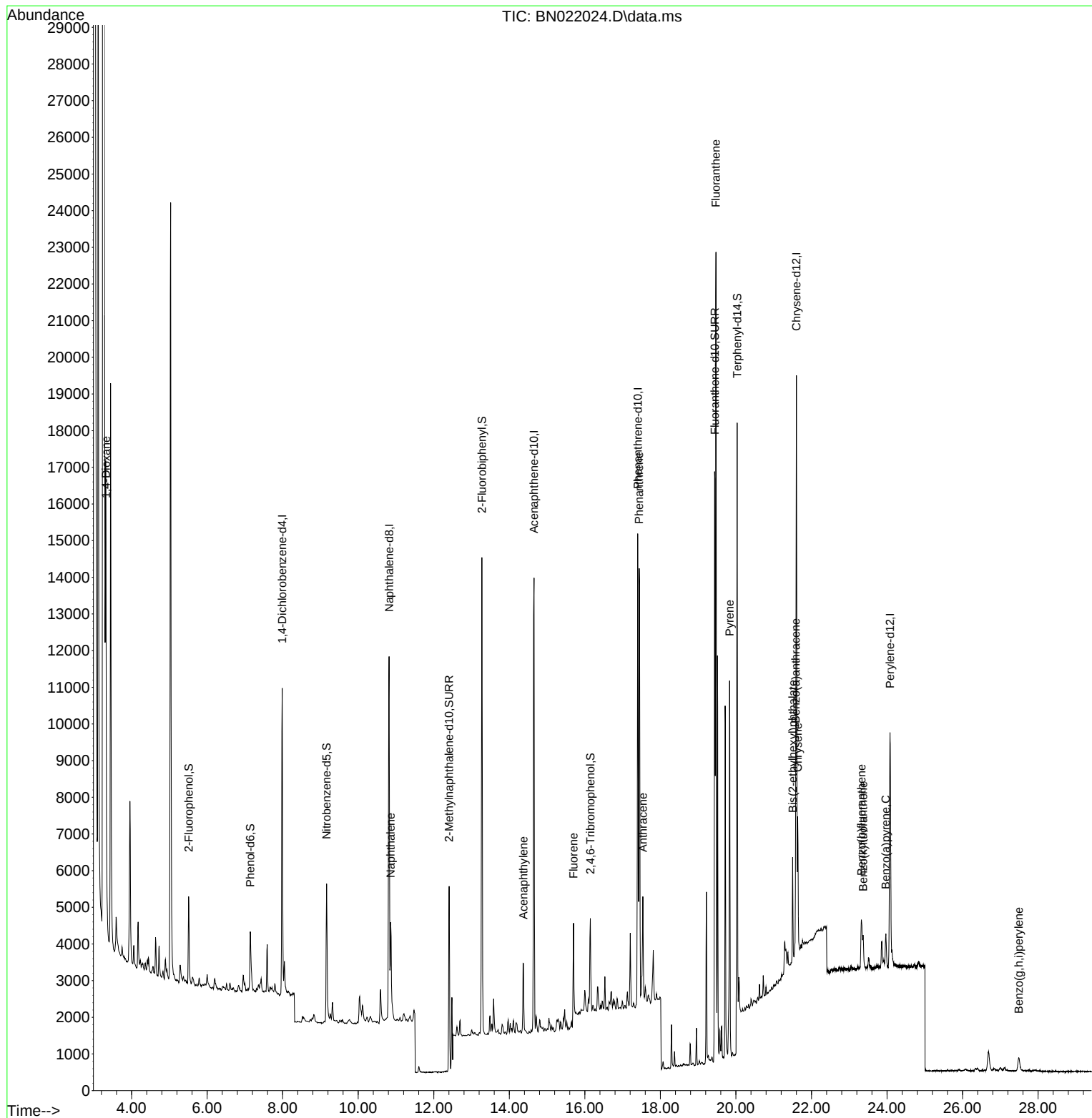
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100622\
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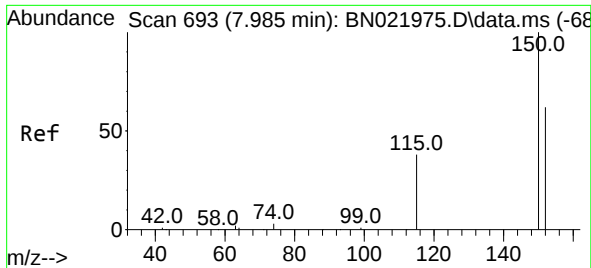
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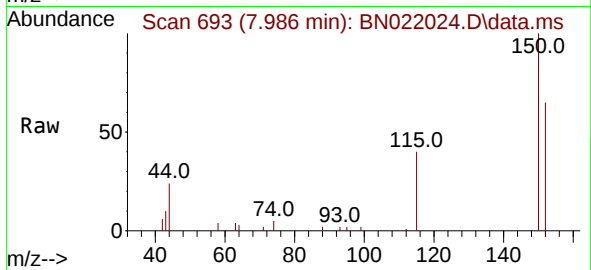
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.986 min Scan# 693
Delta R.T. 0.001 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

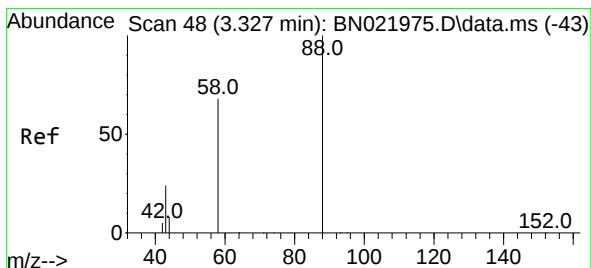
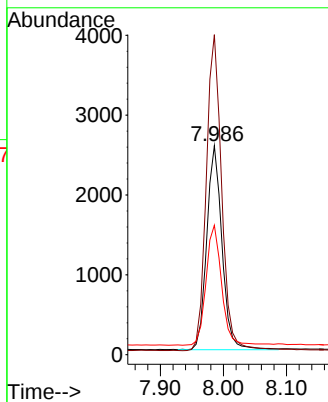
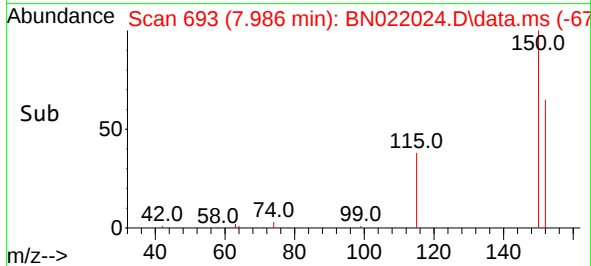
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765



Tgt Ion: 152 Resp: 4292
Ion Ratio Lower Upper
152 100
150 153.1 127.2 190.8
115 62.0 51.4 77.0

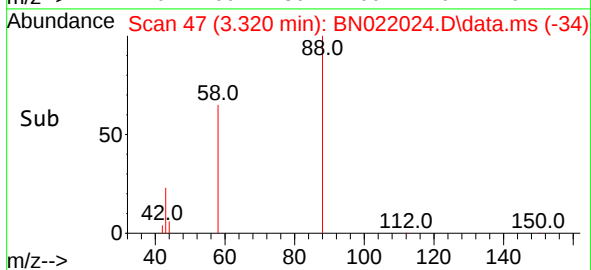
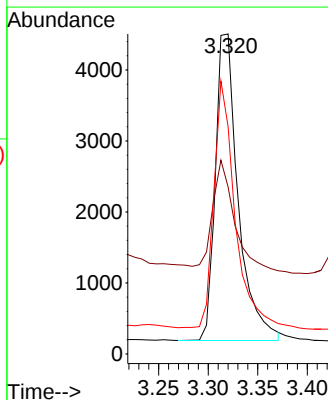
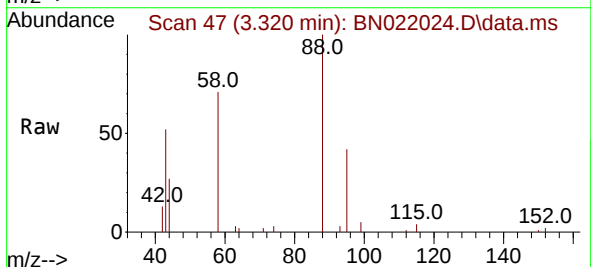
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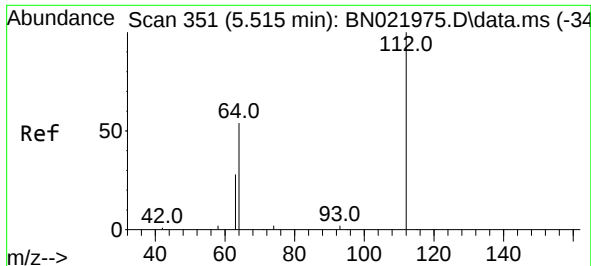
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#2
1,4-Dioxane
Concen: 1.247 ng
RT: 3.320 min Scan# 47
Delta R.T. -0.007 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

Tgt Ion: 88 Resp: 6924
Ion Ratio Lower Upper
88 100
43 34.2 22.6 34.0#
58 74.0 58.6 88.0





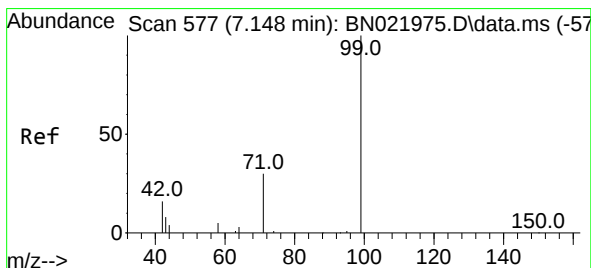
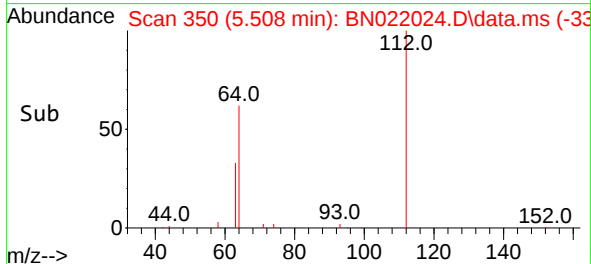
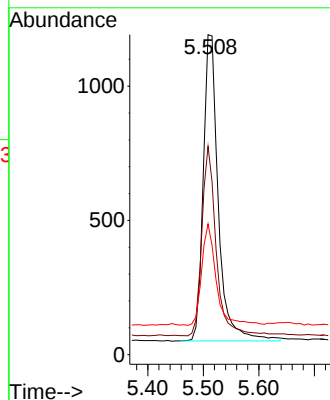
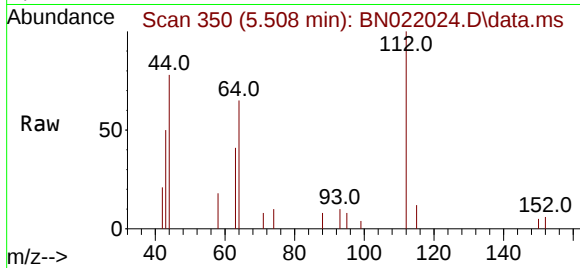
#4
2-Fluorophenol
Concen: 0.216 ng
RT: 5.508 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

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Tgt Ion: 112 Resp: 215
Ion Ratio Lower Upper
112 100
64 58.6 46.9 70.3
63 31.7 24.6 37.0

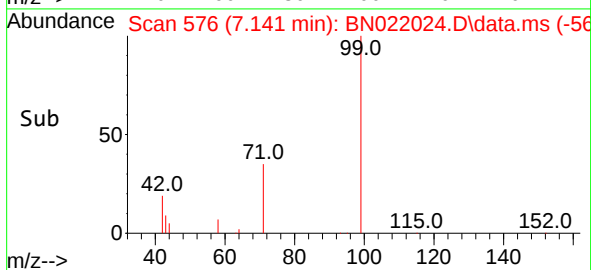
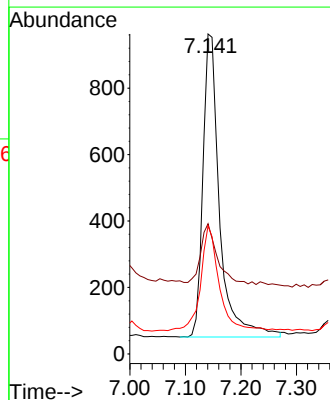
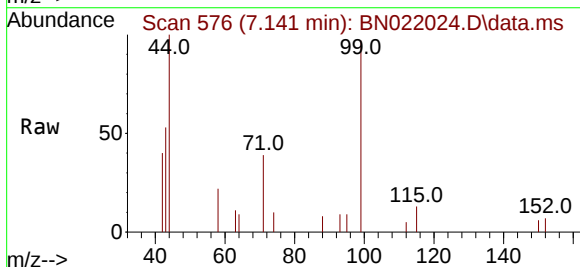
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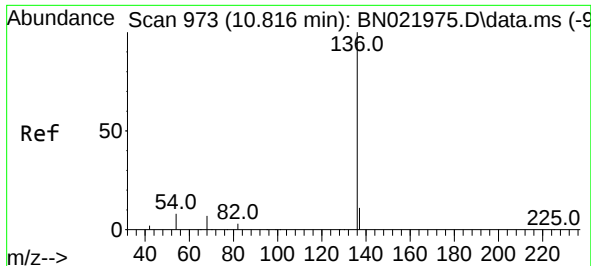
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#5
Phenol-d6
Concen: 0.147 ng
RT: 7.141 min Scan# 576
Delta R.T. -0.007 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

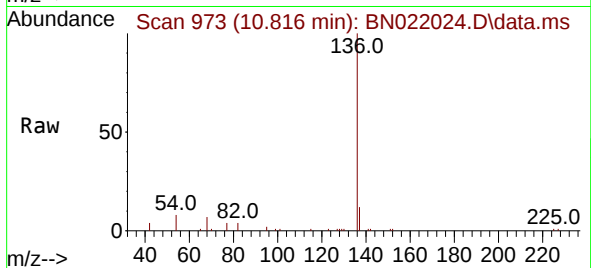
Tgt Ion: 99 Resp: 1901
Ion Ratio Lower Upper
99 100
42 20.2 15.9 23.9
71 38.1 25.6 38.4





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.816 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

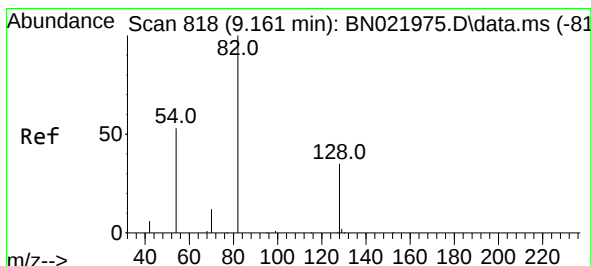
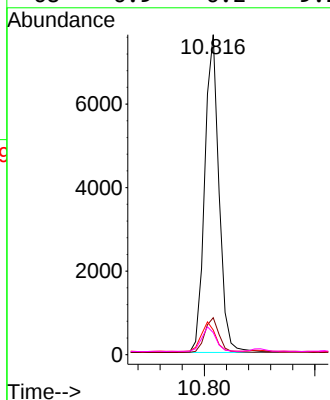
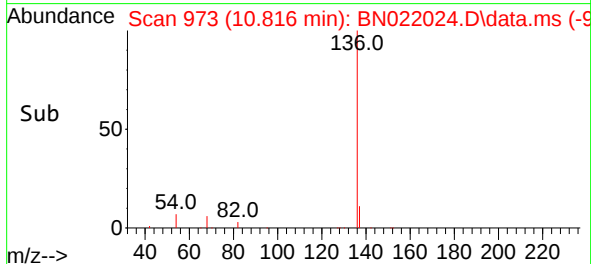
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765



Tgt Ion:	136	Resp:	1374
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.2	13.8
54	7.7	7.1	10.7
68	6.9	6.2	9.2

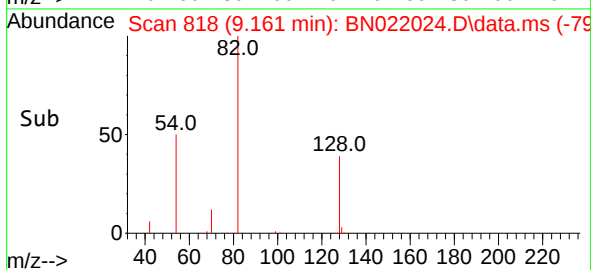
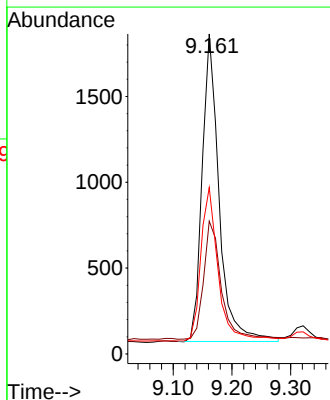
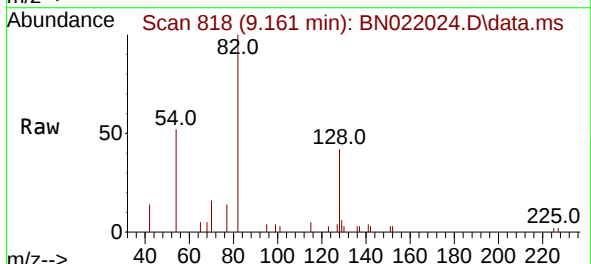
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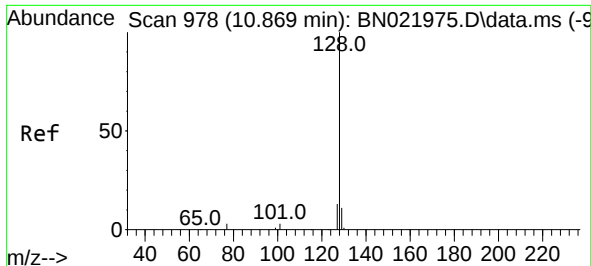
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 9.161 min Scan# 818
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

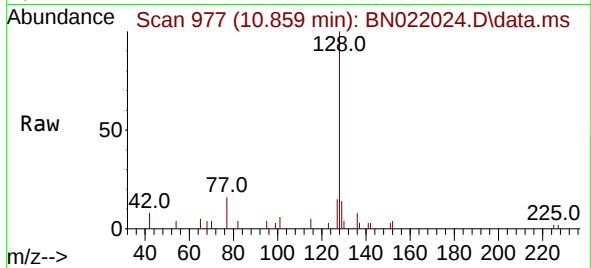
Tgt Ion:	82	Resp:	3595
Ion Ratio	Lower	Upper	
82	100		
128	41.5	29.9	44.9
54	52.0	43.5	65.3





#9
Naphthalene
Concen: 0.087 ng
RT: 10.859 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

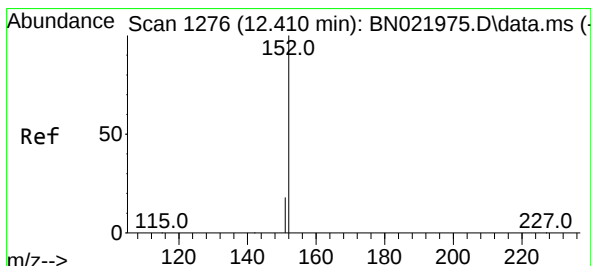
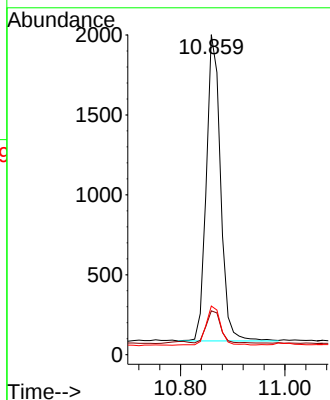
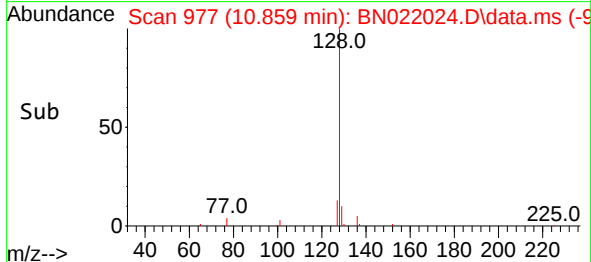
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765



Tgt Ion:128 Resp: 3610
Ion Ratio Lower Upper
128 100
129 13.7 9.3 13.9
127 15.2 10.6 16.0

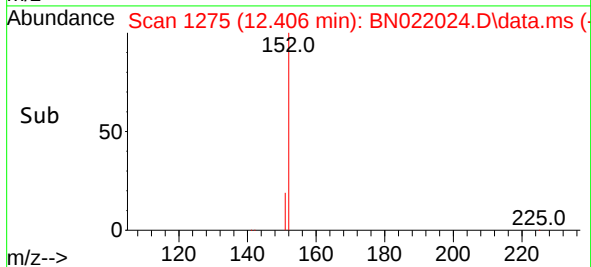
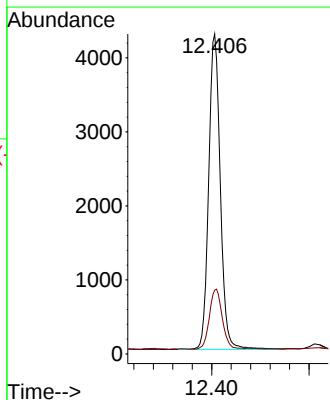
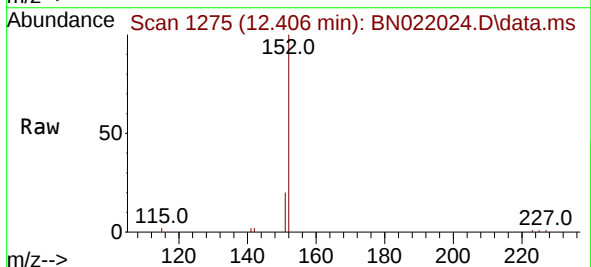
Manual Integrations
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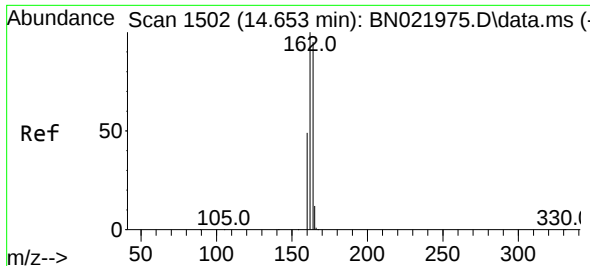
Reviewed By :Christian Giraldo 10/07/2022
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#11
2-Methylnaphthalene-d10
Concen: 0.310 ng
RT: 12.406 min Scan# 1275
Delta R.T. -0.004 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

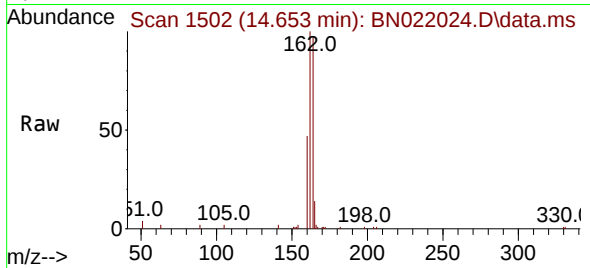
Tgt Ion:152 Resp: 7843
Ion Ratio Lower Upper
152 100
151 19.0 13.8 20.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.653 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

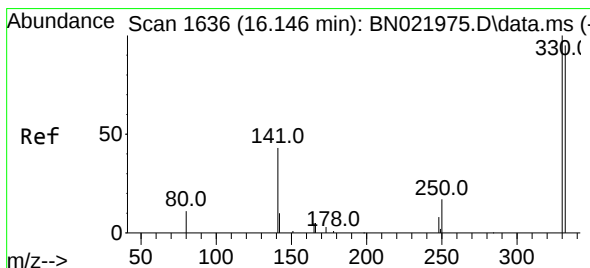
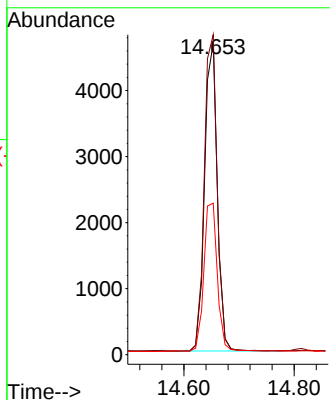
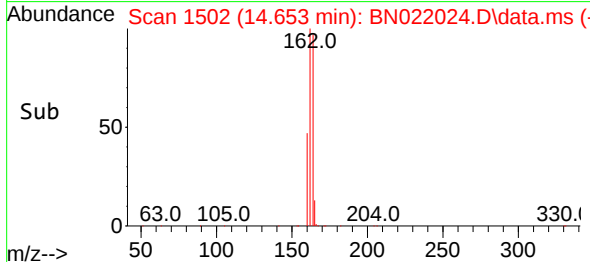
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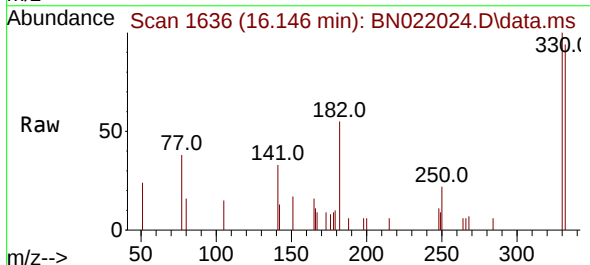
Tgt Ion:164 Resp: 749
Ion Ratio Lower Upper
164 100
162 102.6 84.3 126.5
160 48.6 41.7 62.5

Manual Integrations
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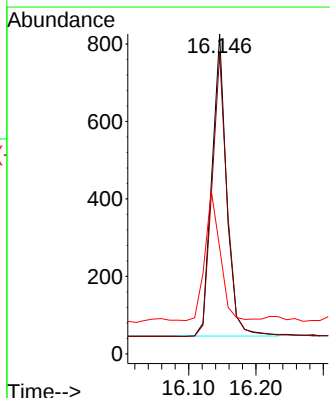
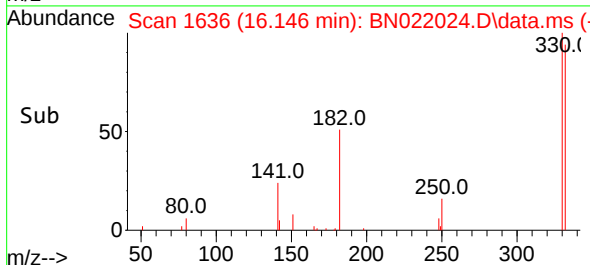
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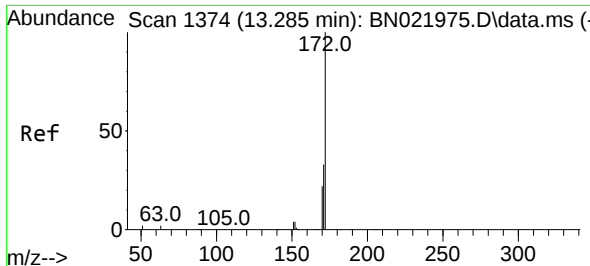


#14
2,4,6-Tribromophenol
Concen: 0.416 ng
RT: 16.146 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27



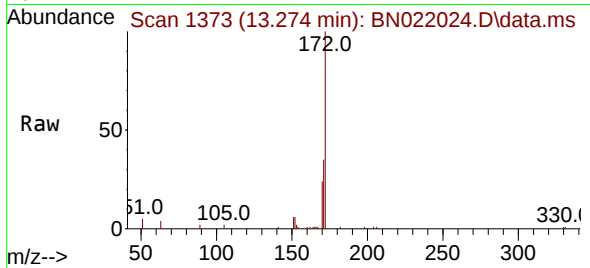
Tgt Ion:330 Resp: 1189
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.4
141 43.7 35.3 52.9





#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 13.274 min Scan# 1113
Delta R.T. -0.011 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

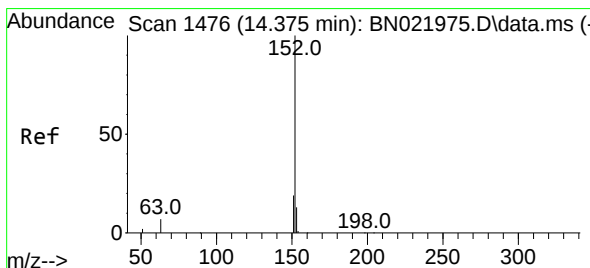
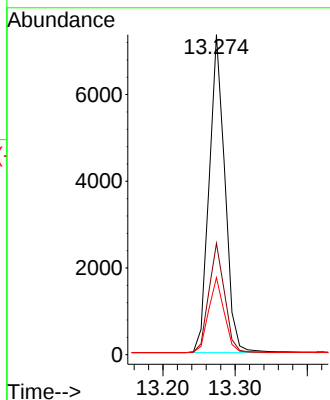
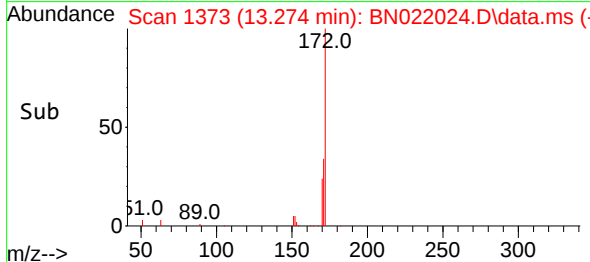
Instrument :
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BP-VPB-RW5-GW-763-765



Tgt Ion:172 Resp: 1113
Ion Ratio Lower Upper
172 100
171 34.8 27.2 40.8
170 24.1 18.3 27.5

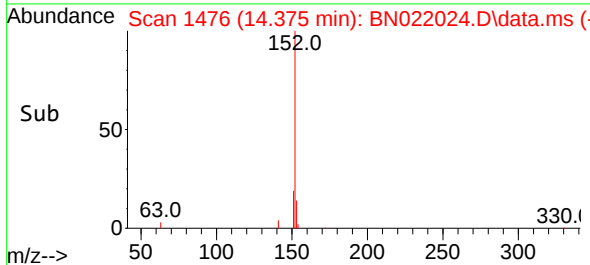
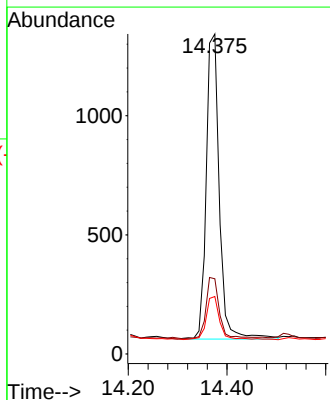
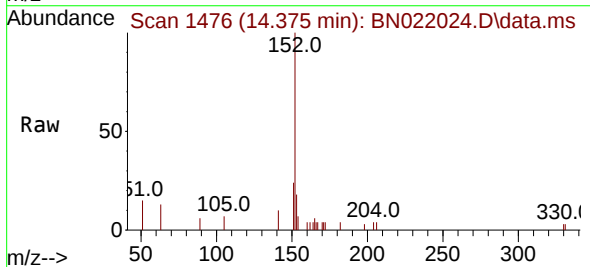
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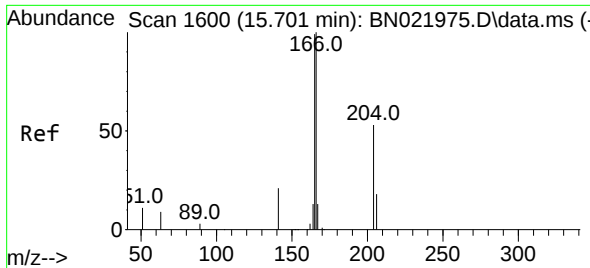
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#16
Acenaphthylene
Concen: 0.066 ng
RT: 14.375 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

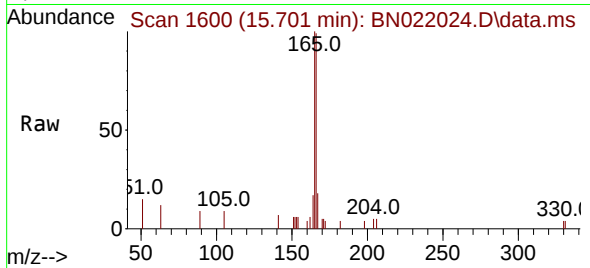
Tgt Ion:152 Resp: 2354
Ion Ratio Lower Upper
152 100
151 21.0 15.5 23.3
153 14.9 10.4 15.6





#18
Fluorene
Concen: 0.059 ng
RT: 15.701 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

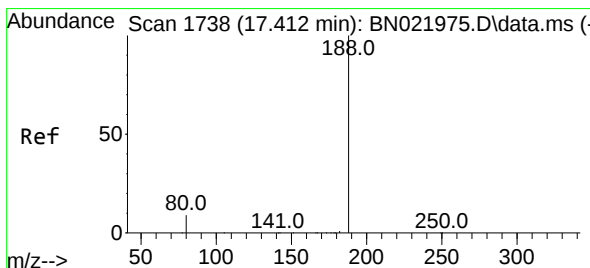
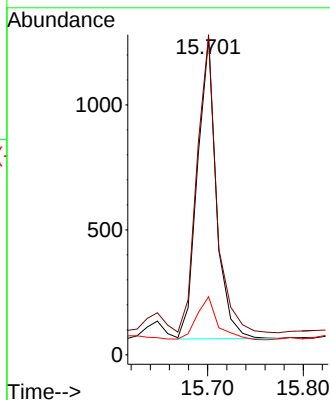
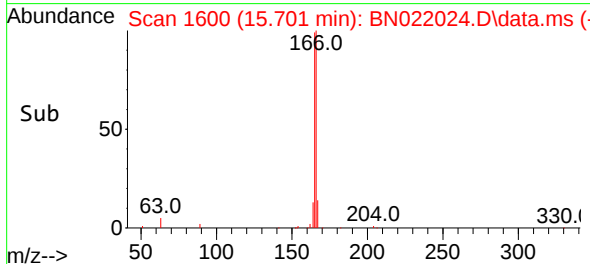
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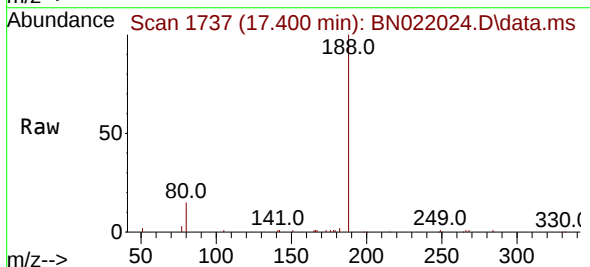
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Ion Ratio Lower Upper
166 100
165 101.9 80.0 120.0
167 15.4 10.9 16.3

Manual Integrations
APPROVED

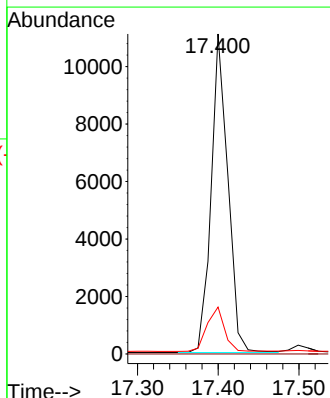
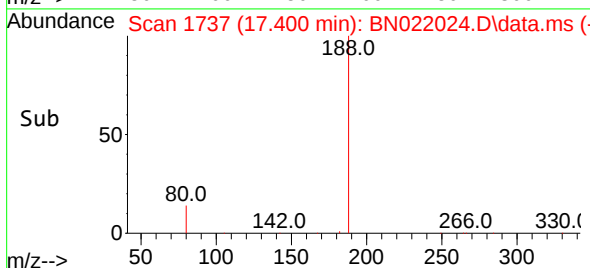
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022

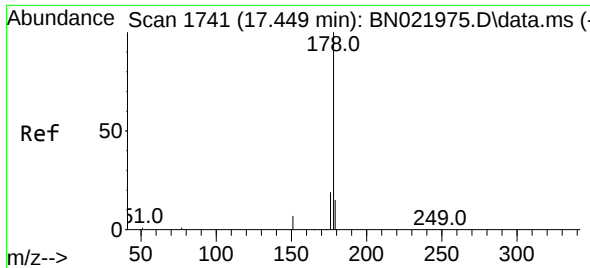


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.400 min Scan# 1737
Delta R.T. -0.012 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27



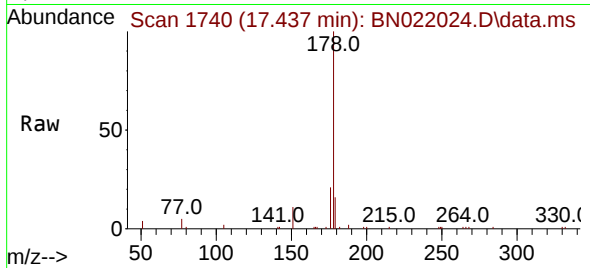
Tgt Ion:188 Resp: 15966
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.7 7.5 11.3#





#25
Phenanthrene
Concen: 0.262 ng
RT: 17.437 min Scan# 1740
Delta R.T. -0.012 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

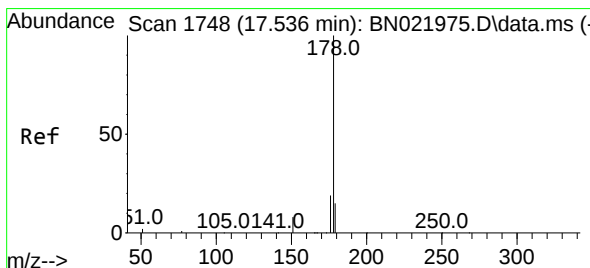
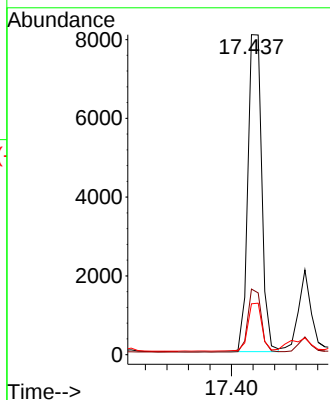
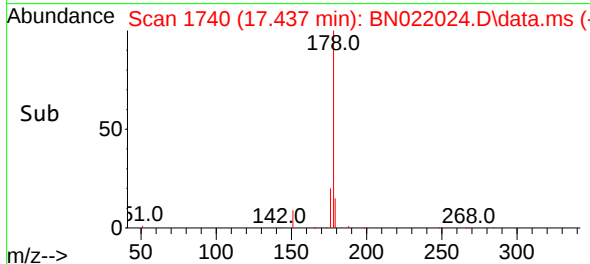
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765



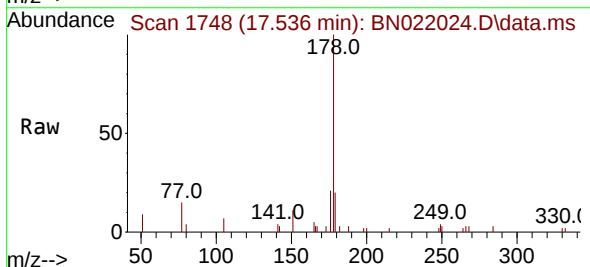
Tgt Ion:178 Resp: 14370
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.2 12.2 18.2

Manual Integrations
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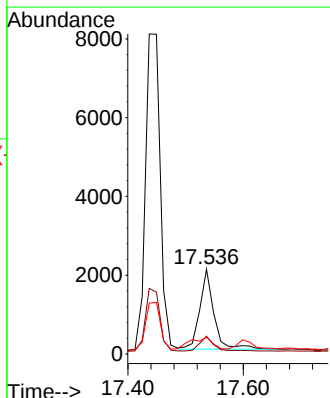
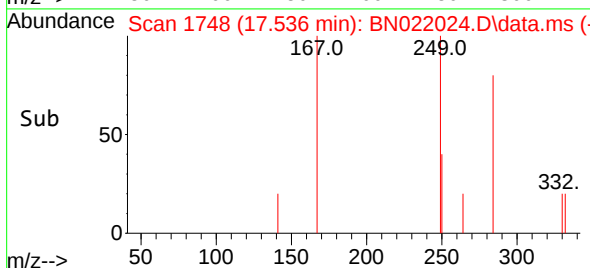
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022

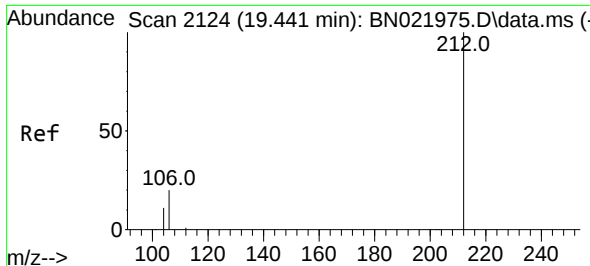


#26
Anthracene
Concen: 0.079 ng
RT: 17.536 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27



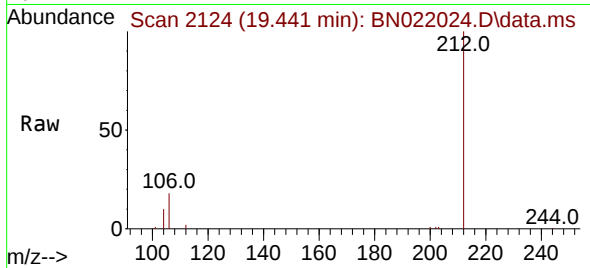
Tgt Ion:178 Resp: 3467
Ion Ratio Lower Upper
178 100
176 18.1 14.8 22.2
179 22.8 12.2 18.2#





#27
Fluoranthene-d10
Concen: 0.411 ng
RT: 19.441 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

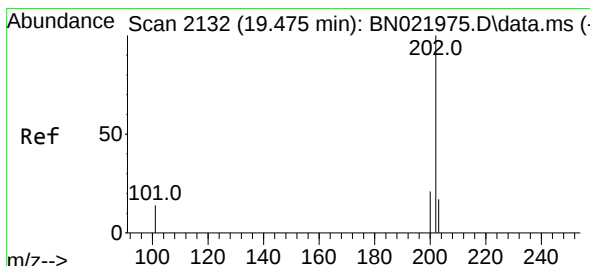
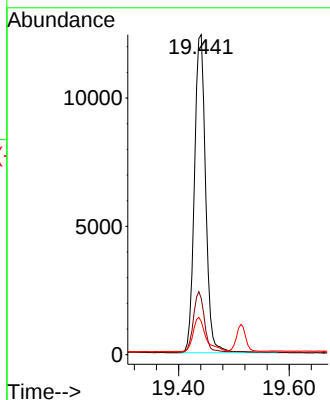
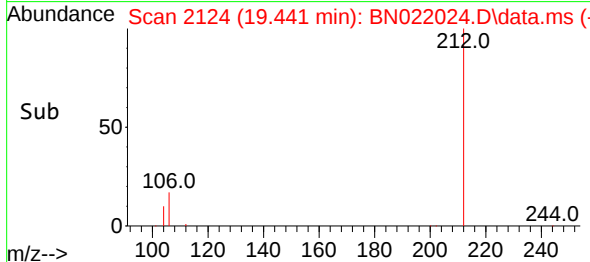
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765



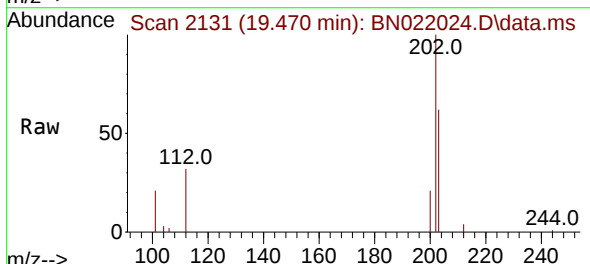
Tgt Ion:212 Resp: 1743
Ion Ratio Lower Upper
212 100
106 18.8 15.2 22.8
104 12.2 8.6 13.0

Manual Integrations
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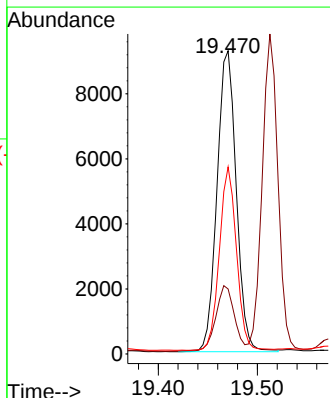
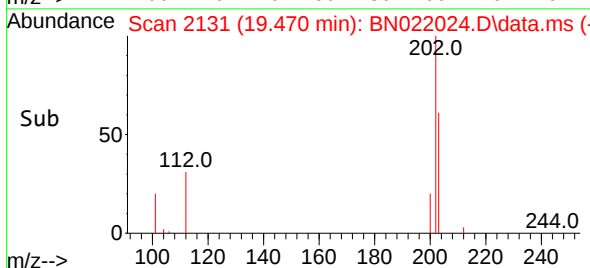
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022

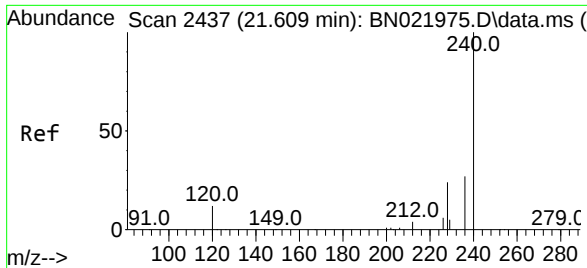


#28
Fluoranthene
Concen: 0.212 ng
RT: 19.470 min Scan# 2131
Delta R.T. -0.004 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27



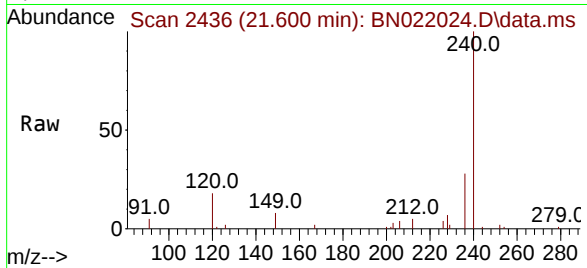
Tgt Ion:202 Resp: 12448
Ion Ratio Lower Upper
202 100
101 21.1 11.4 17.0#
203 54.3 13.5 20.3#





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.600 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

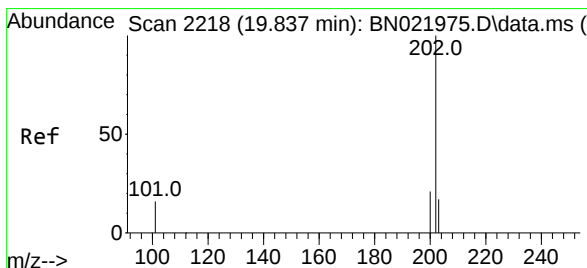
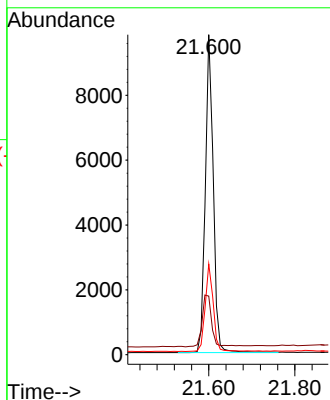
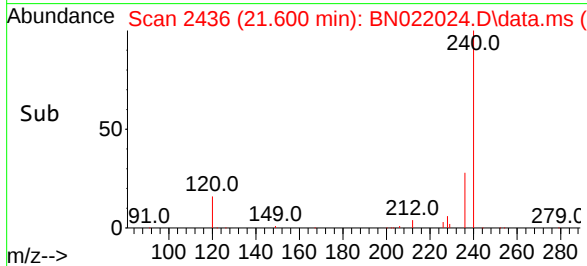
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765



Tgt Ion:240 Resp: 12614
Ion Ratio Lower Upper
240 100
120 18.3 11.8 17.6
236 28.3 22.4 33.6

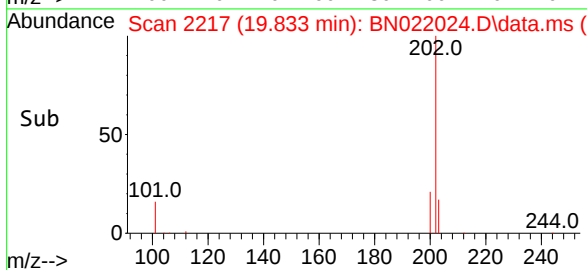
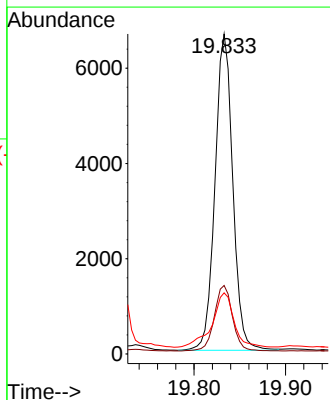
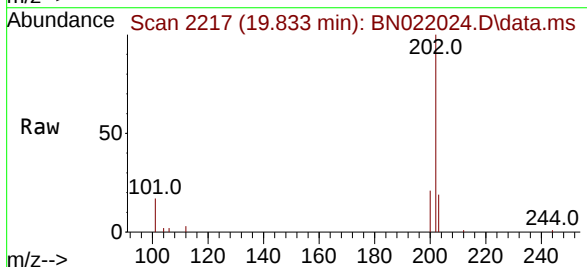
Manual Integrations
APPROVED

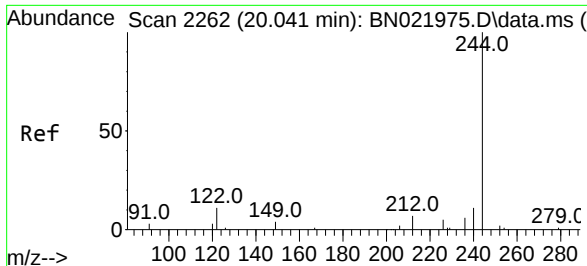
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#30
Pyrene
Concen: 0.161 ng
RT: 19.833 min Scan# 2217
Delta R.T. -0.004 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

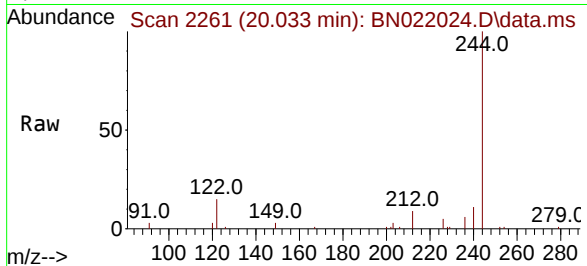
Tgt Ion:202 Resp: 8932
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 21.0 14.1 21.1





#31
Terphenyl-d14
Concen: 0.442 ng
RT: 20.033 min Scan# 2120
Delta R.T. -0.009 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

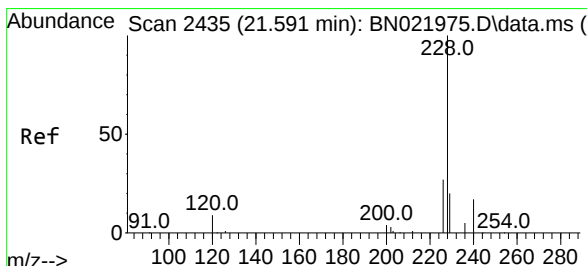
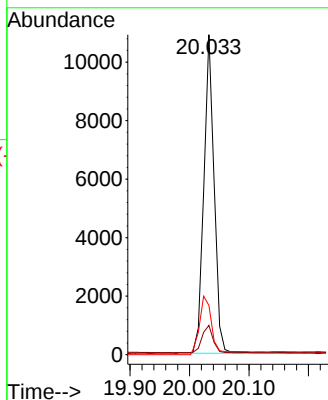
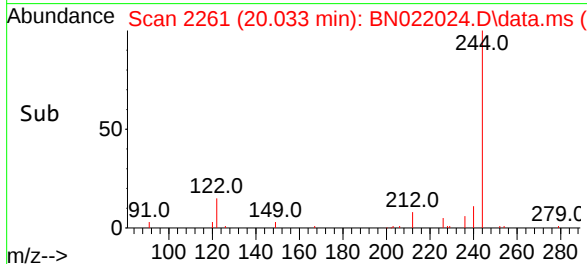
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765



Tgt Ion:244 Resp: 1120
Ion Ratio Lower Upper
244 100
212 9.1 6.5 9.7
122 15.4 9.1 13.7

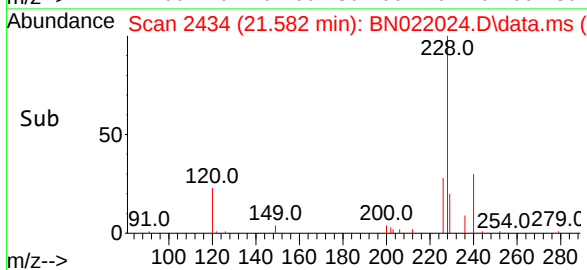
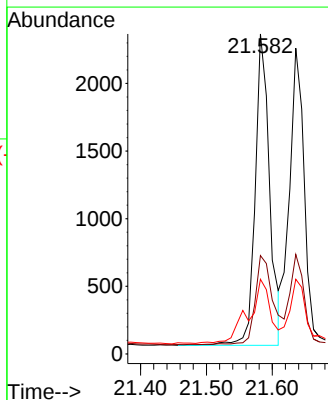
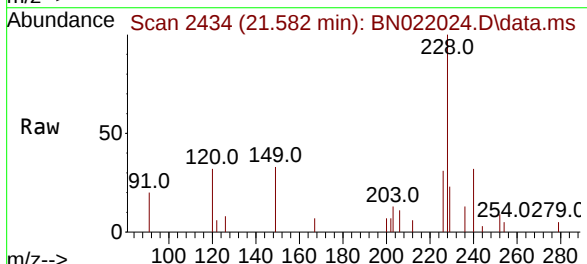
Manual Integrations
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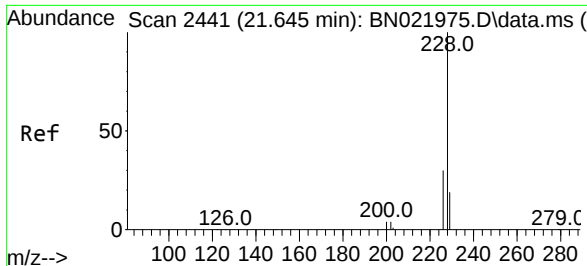
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#32
Benzo(a)anthracene
Concen: 0.074 ng
RT: 21.582 min Scan# 2434
Delta R.T. -0.009 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

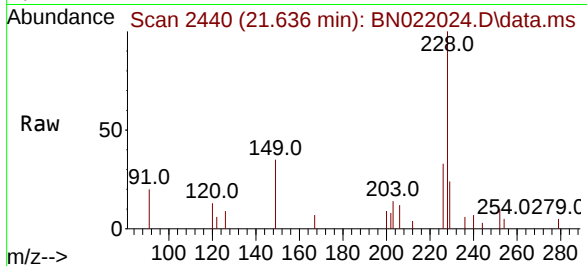
Tgt Ion:228 Resp: 3492
Ion Ratio Lower Upper
228 100
226 30.7 22.2 33.4
229 23.3 16.2 24.2





#33
Chrysene
Concen: 0.065 ng
RT: 21.636 min Scan# 2440
Delta R.T. -0.009 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

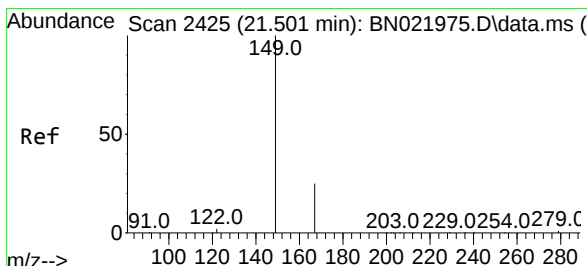
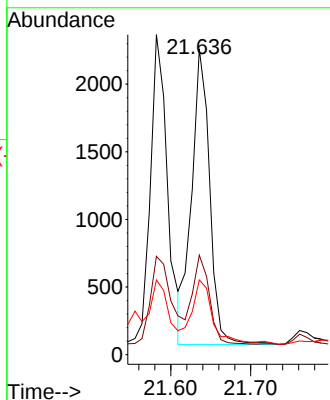
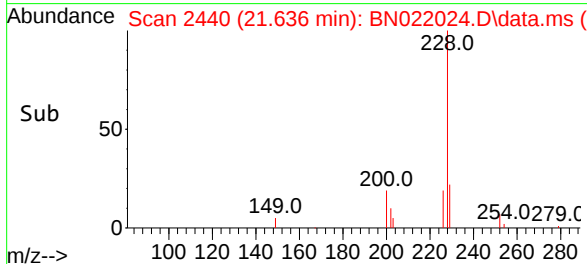
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765



Tgt Ion:228 Resp: 342
Ion Ratio Lower Upper
228 100
226 32.6 24.2 36.2
229 24.4 15.8 23.6

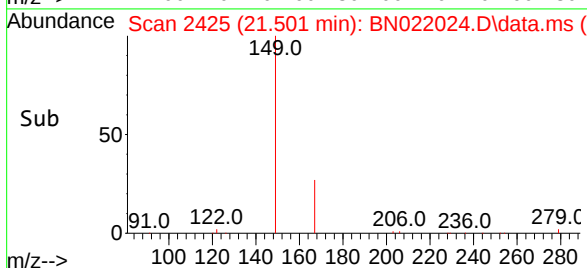
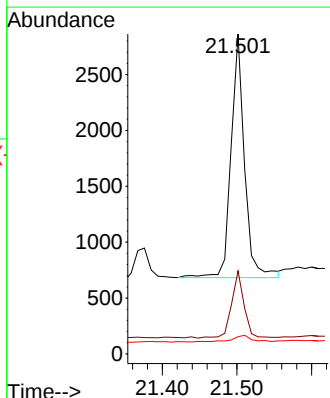
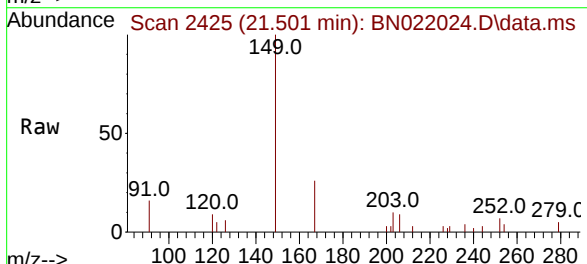
Manual Integrations
APPROVED

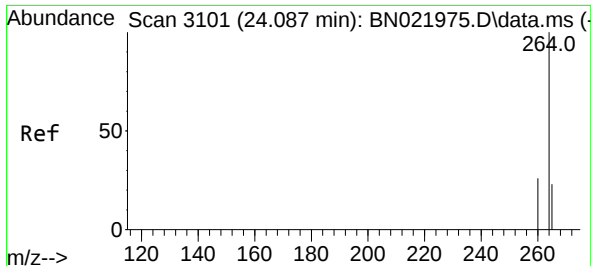
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.120 ng
RT: 21.501 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

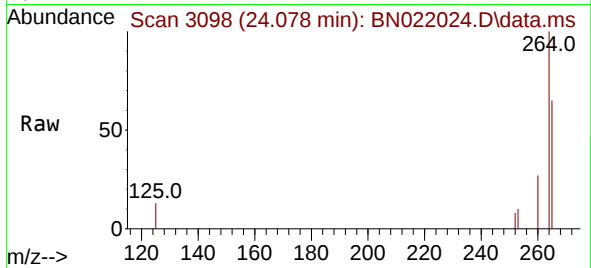
Tgt Ion:149 Resp: 2735
Ion Ratio Lower Upper
149 100
167 25.7 20.2 30.4
279 4.5 2.3 3.5





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.078 min Scan# 3098
 Delta R.T. -0.009 min
 Lab File: BN022024.D
 Acq: 06 Oct 2022 18:27

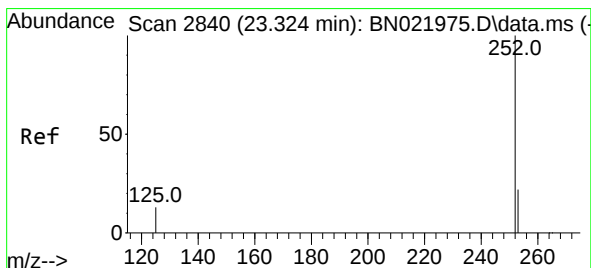
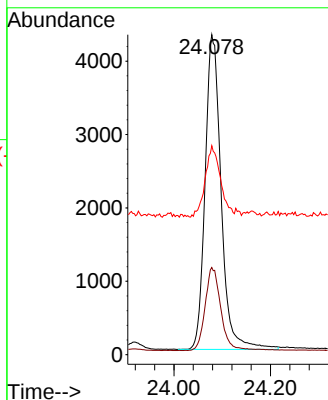
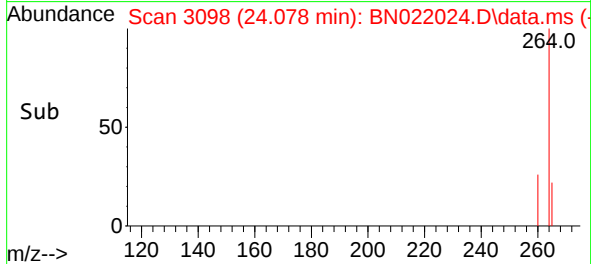
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW5-GW-763-765



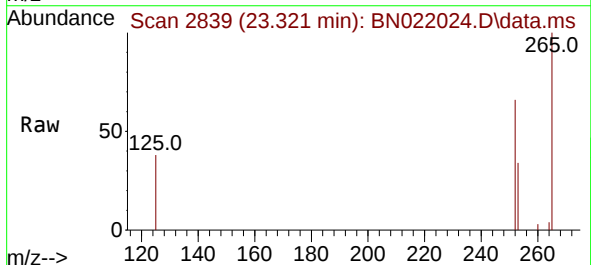
Tgt Ion:264 Resp: 988
 Ion Ratio Lower Upper
 264 100
 260 27.2 21.3 31.9
 265 65.3 63.0 94.4

Manual Integrations
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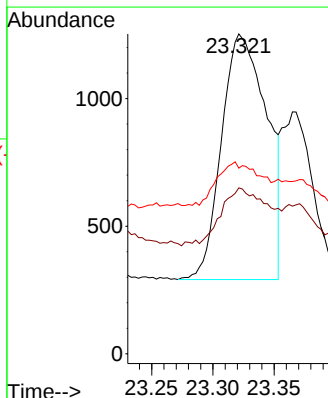
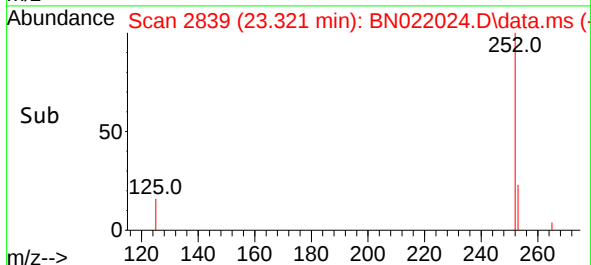
Reviewed By :Christian Giraldo 10/07/2022
 Supervised By :Jagrut Upadhyay 10/10/2022

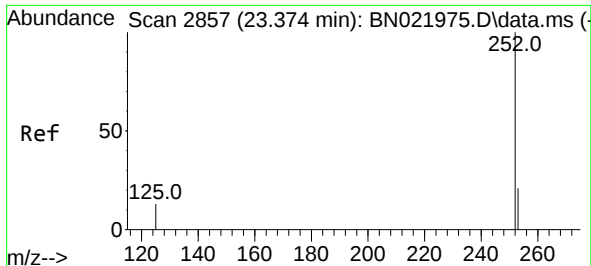


#37
 Benzo(b)fluoranthene
 Concen: 0.053 ng
 RT: 23.321 min Scan# 2839
 Delta R.T. -0.003 min
 Lab File: BN022024.D
 Acq: 06 Oct 2022 18:27



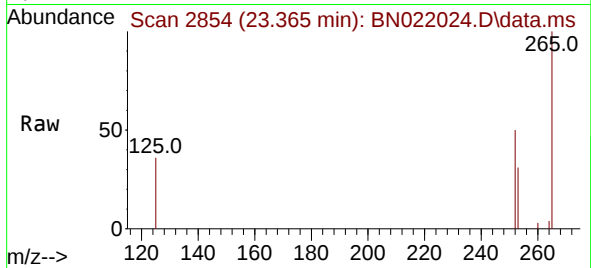
Tgt Ion:252 Resp: 2478
 Ion Ratio Lower Upper
 252 100
 253 51.9 20.6 31.0#
 125 58.0 15.6 23.4#





#38
Benzo(k)fluoranthene
Concen: 0.025 ng m
RT: 23.365 min Scan# 2854
Delta R.T. -0.009 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

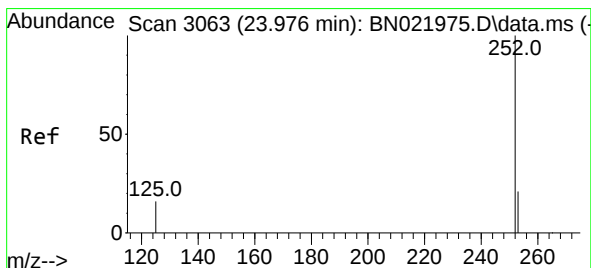
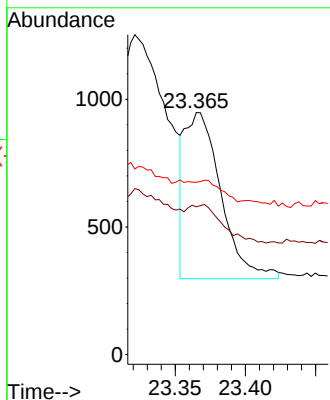
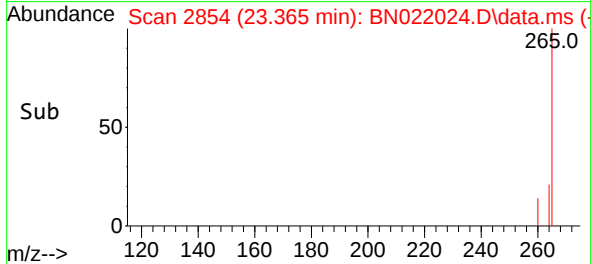
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765



Tgt Ion:252 Resp: 116
Ion Ratio Lower Upper
252 100
253 61.1 20.4 30.6
125 71.2 15.8 23.6

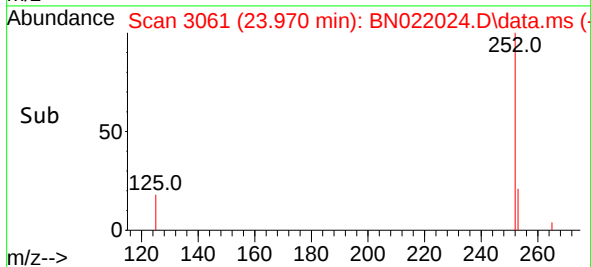
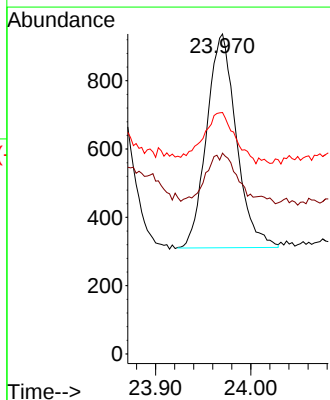
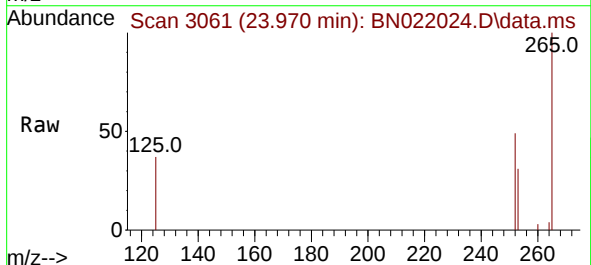
Manual Integrations
APPROVED

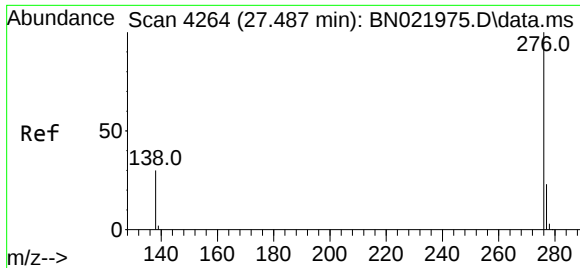
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#39
Benzo(a)pyrene
Concen: 0.038 ng
RT: 23.970 min Scan# 3061
Delta R.T. -0.006 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

Tgt Ion:252 Resp: 1357
Ion Ratio Lower Upper
252 100
253 62.8 23.2 34.8#
125 75.5 21.1 31.7#





#41

Benzo(g,h,i)perylene

Concen: 0.020 ng

RT: 27.487 min Scan# 41

Delta R.T. 0.000 min

Lab File: BN022024.D

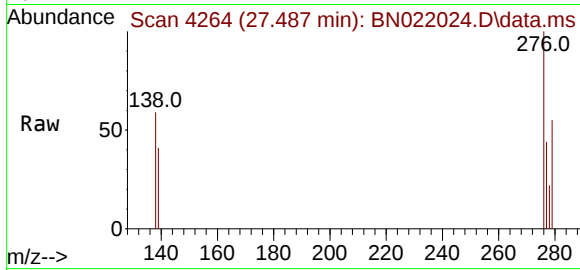
Acq: 06 Oct 2022 18:27

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW5-GW-763-765



Tgt Ion: 276 Resp: 87

Ion Ratio Lower Upper

276 100

277 44.4 20.0 30.0

138 59.2 25.2 37.8

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 10/07/2022

Supervised By : Jagrut Upadhyay 10/10/2022

