

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110424\
 Data File : BN034839.D
 Acq On : 04 Nov 2024 14:55
 Operator : RC/JU
 Sample : P4652-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-50-20241030

Manual Integrations
 APPROVED

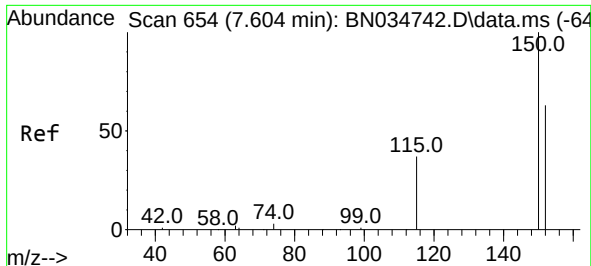
Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 04 15:32:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN103024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 30 13:28:24 2024
 Response via : Initial Calibration

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

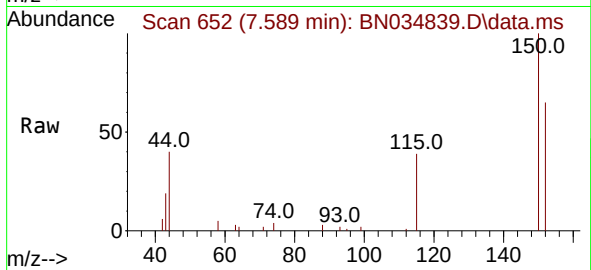
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	6676	0.400	ng	-0.01
7) Naphthalene-d8	10.351	136	20196	0.400	ng	-0.02
13) Acenaphthene-d10	14.218	164	10306	0.400	ng	-0.01
19) Phenanthrene-d10	16.964	188	20231	0.400	ng	#-0.02
29) Chrysene-d12	21.167	240	12090	0.400	ng	-0.01
35) Perylene-d12	23.344	264	9717	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	4172	0.206	ng	-0.01
5) Phenol-d6	6.766	99	3682	0.140	ng	-0.01
8) Nitrobenzene-d5	8.717	82	6109	0.385	ng	-0.02
11) 2-Methylnaphthalene-d10	11.950	152	10186	0.348	ng	-0.02
14) 2,4,6-Tribromophenol	15.710	330	1295	0.254	ng	-0.02
15) 2-Fluorobiphenyl	12.839	172	15625	0.385	ng	-0.03
27) Fluoranthene-d10	19.003	212	20365	0.429	ng	-0.01
31) Terphenyl-d14	19.617	244	12757	0.491	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.191	88	59452	8.123	ng	95
6) bis(2-Chloroethyl)ether	7.019	93	1335	0.070	ng	# 47
25) Phenanthrene	17.001	178	1845	0.031	ng	98
26) Anthracene	17.101	178	1352	0.024	ng	99
28) Fluoranthene	19.036	202	2824	0.043	ng	95
30) Pyrene	19.398	202	1908	0.030	ng	99
32) Benzo(a)anthracene	21.149	228	1080	0.022	ng	91
33) Chrysene	21.203	228	1116m	0.024	ng	
34) Bis(2-ethylhexyl)phtha...	21.104	149	903	0.022	ng	# 93
36) Indeno(1,2,3-cd)pyrene	25.514	276	846	0.024	ng	99
37) Benzo(b)fluoranthene	22.695	252	1200	0.031	ng	# 5
38) Benzo(k)fluoranthene	22.736	252	1114	0.029	ng	# 1
40) Dibenzo(a,h)anthracene	25.531	278	575	0.021	ng	# 27
41) Benzo(g,h,i)perylene	26.177	276	668m	0.022	ng	

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



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.015 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

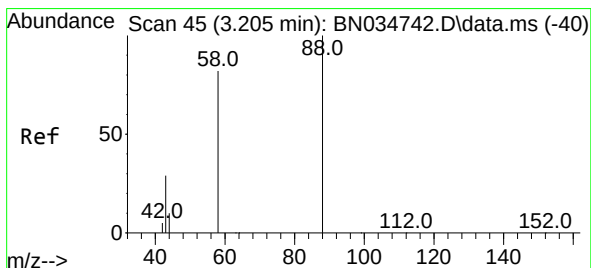
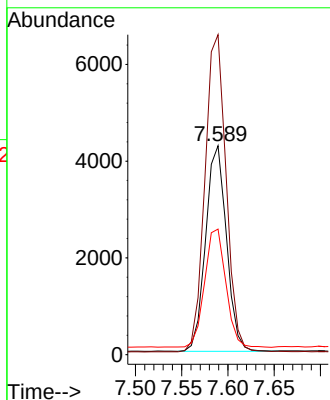
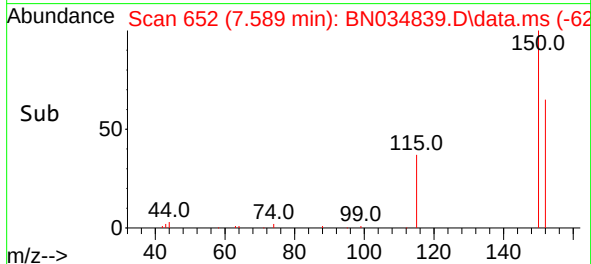
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030



Tgt Ion: 152 Resp: 6670
Ion Ratio Lower Upper
152 100
150 153.1 124.9 187.3
115 60.1 50.2 75.2

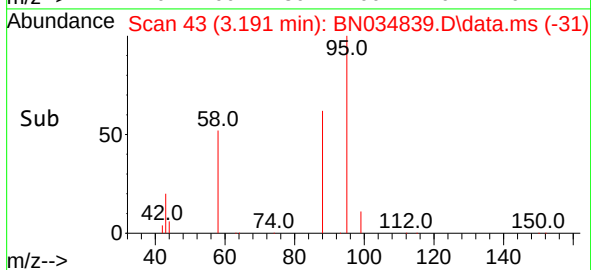
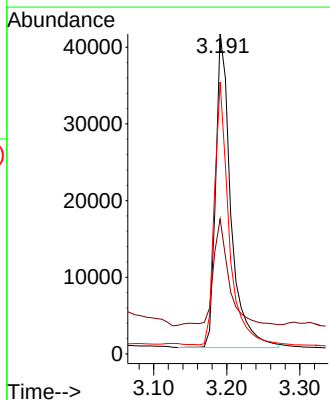
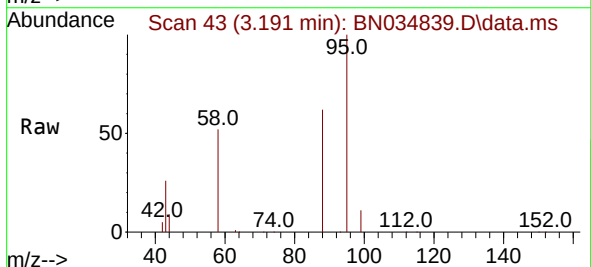
Manual Integrations
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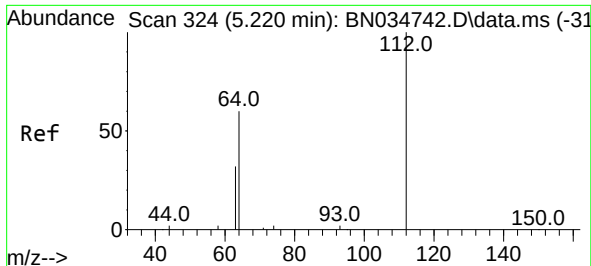
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#2
1,4-Dioxane
Concen: 8.123 ng
RT: 3.191 min Scan# 43
Delta R.T. -0.014 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

Tgt Ion: 88 Resp: 59452
Ion Ratio Lower Upper
88 100
43 34.3 26.7 40.1
58 79.5 59.3 88.9





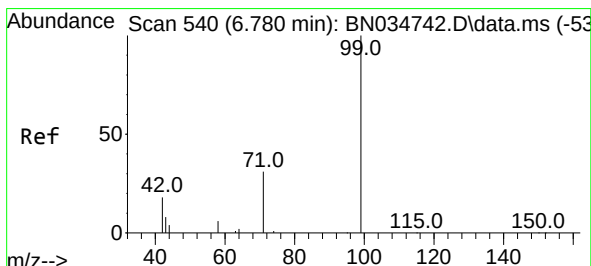
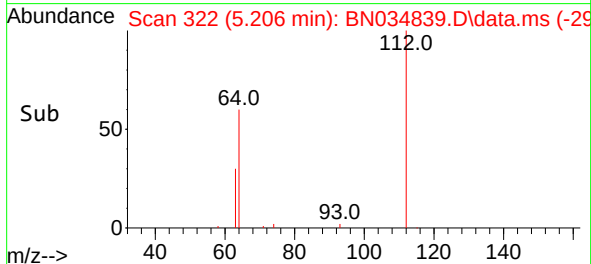
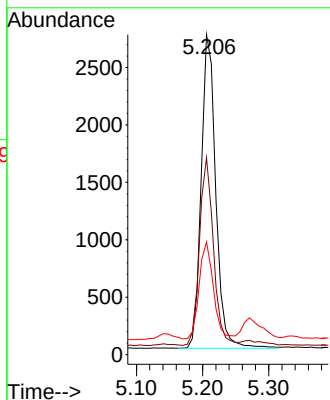
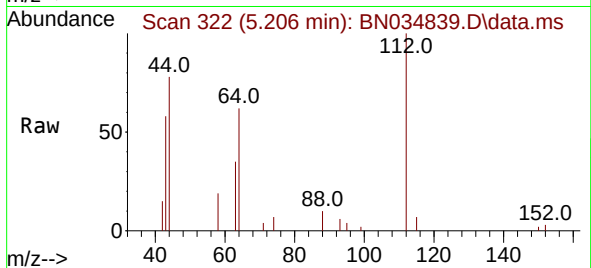
#4
2-Fluorophenol
Concen: 0.206 ng
RT: 5.206 min Scan# 31
Delta R.T. -0.014 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030

Tgt Ion:112 Resp: 4172
Ion Ratio Lower Upper
112 100
64 57.3 44.9 67.3
63 30.4 23.5 35.3

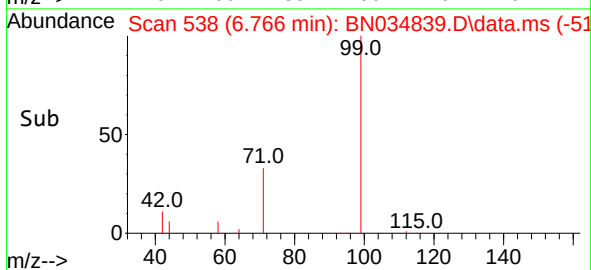
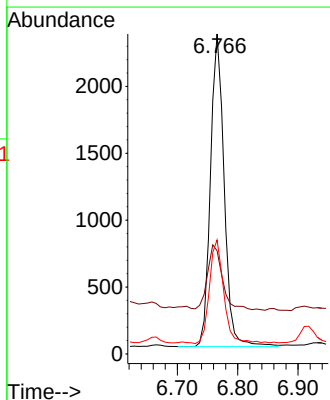
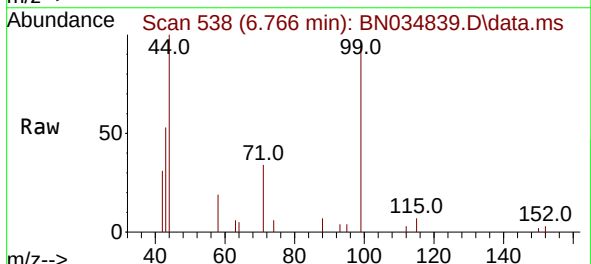
Manual Integrations
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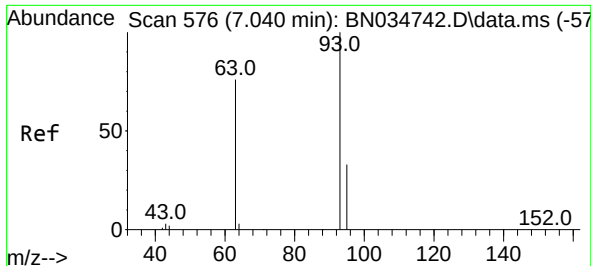
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#5
Phenol-d6
Concen: 0.140 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.014 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

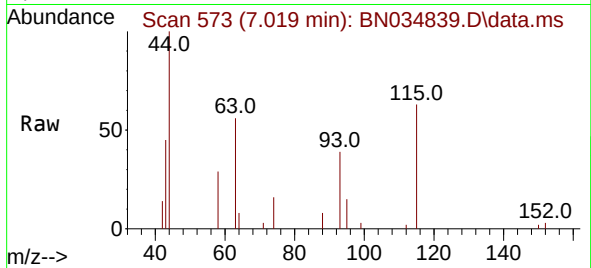
Tgt Ion: 99 Resp: 3682
Ion Ratio Lower Upper
99 100
42 23.1 15.9 23.9
71 35.0 24.3 36.5





#6
bis(2-Chloroethyl)ether
Concen: 0.070 ng
RT: 7.019 min Scan# 51
Delta R.T. -0.022 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

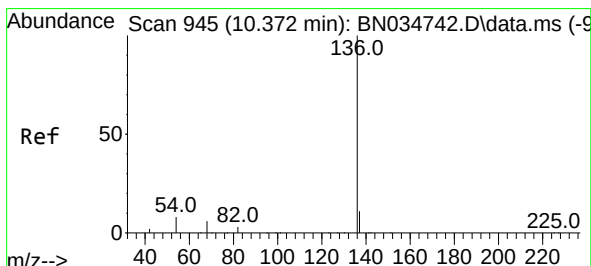
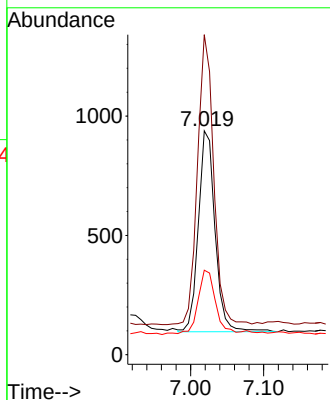
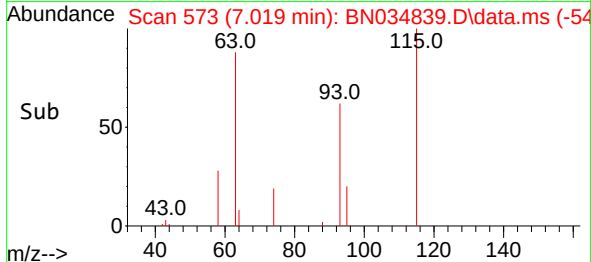
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030



Tgt Ion: 93 Resp: 133
Ion Ratio Lower Upper
93 100
63 139.6 61.2 91.8
95 34.2 25.8 38.8

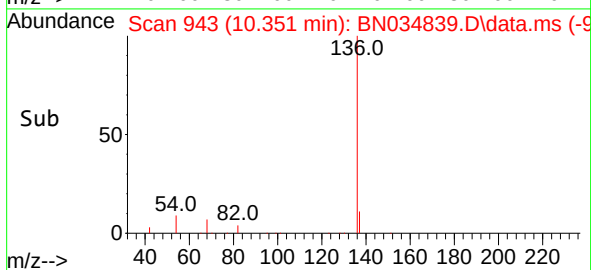
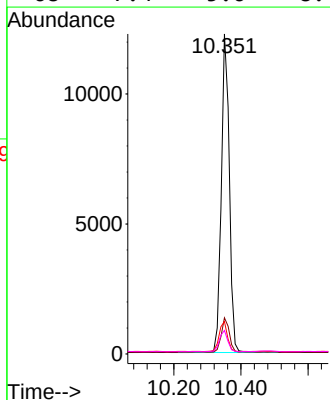
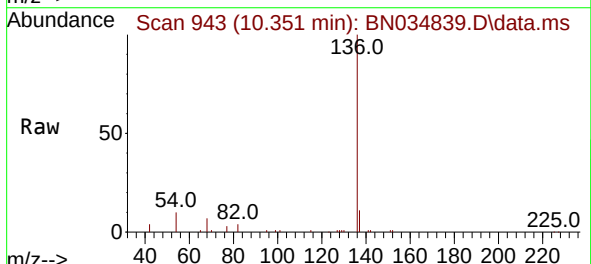
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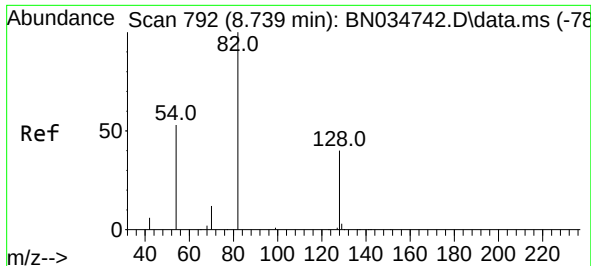
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.021 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

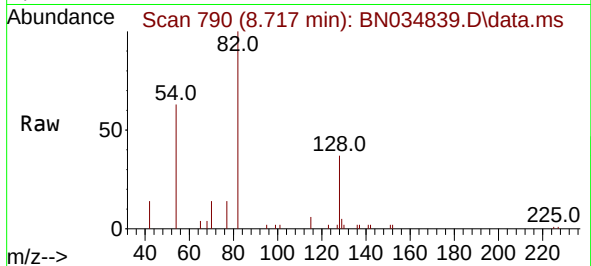
Tgt Ion:136 Resp: 20196
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 10.2 7.0 10.4
68 7.4 5.6 8.4





#8
Nitrobenzene-d5
Concen: 0.385 ng
RT: 8.717 min Scan# 792
Delta R.T. -0.021 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

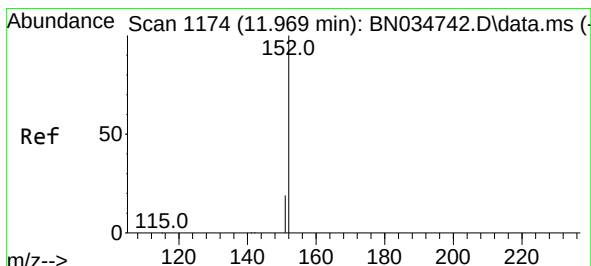
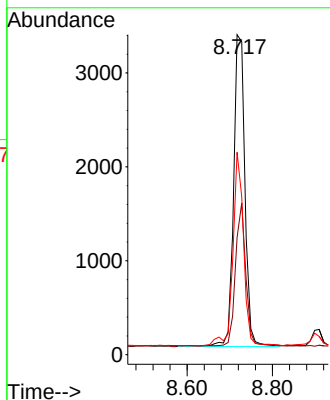
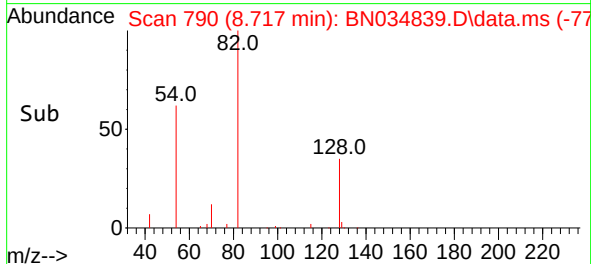
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030



Tgt Ion: 82 Resp: 6109
Ion Ratio Lower Upper
82 100
128 36.6 33.7 50.5
54 63.3 44.4 66.6

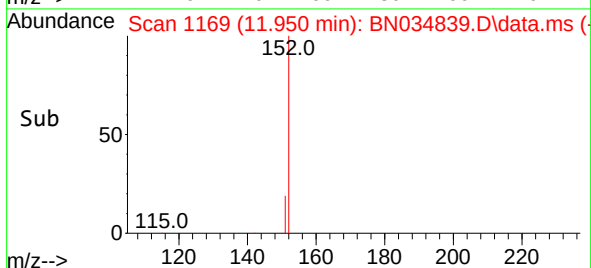
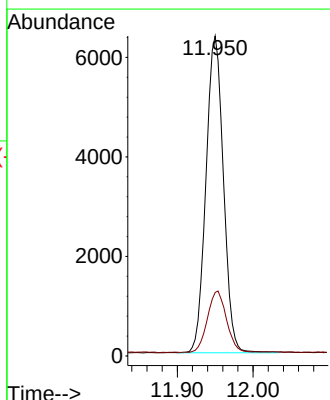
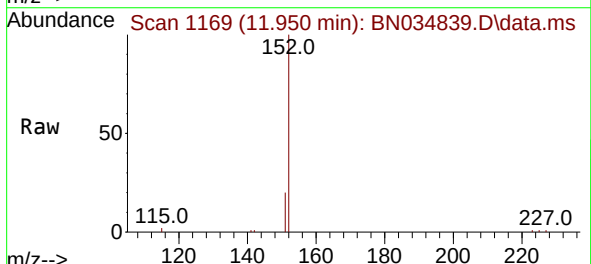
Manual Integrations
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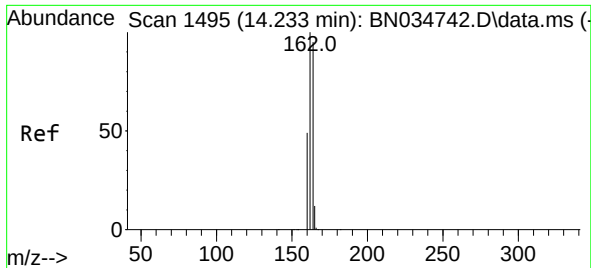
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#11
2-Methylnaphthalene-d10
Concen: 0.348 ng
RT: 11.950 min Scan# 1169
Delta R.T. -0.019 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

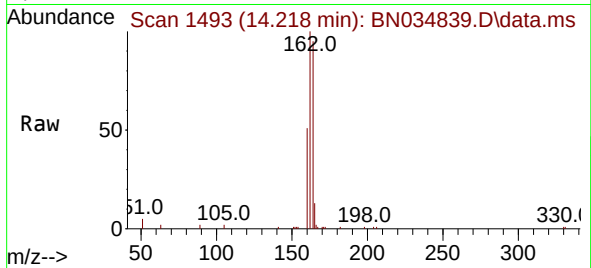
Tgt Ion:152 Resp: 10186
Ion Ratio Lower Upper
152 100
151 20.9 16.6 24.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.218 min Scan# 1493
Delta R.T. -0.015 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

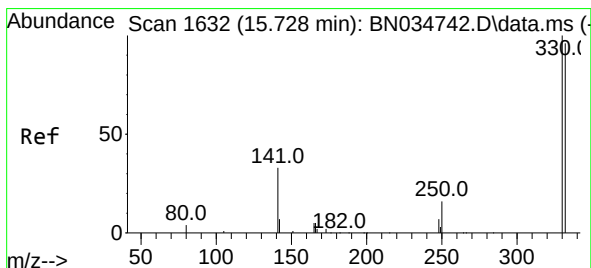
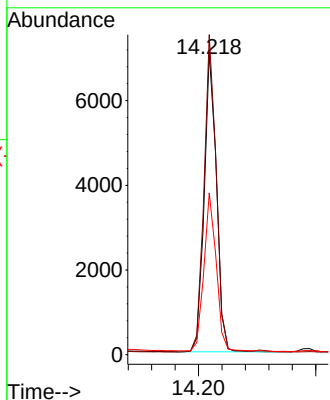
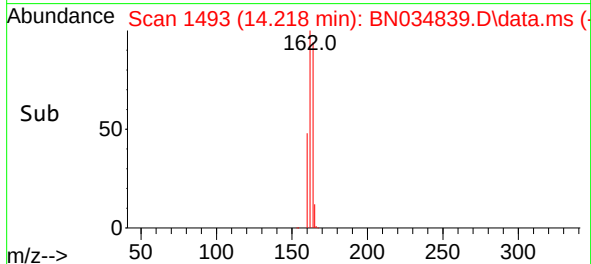
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030



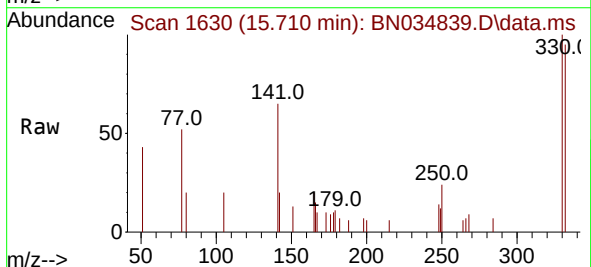
Tgt Ion:164 Resp: 10300
Ion Ratio Lower Upper
164 100
162 105.7 84.3 126.5
160 53.4 41.7 62.5

Manual Integrations
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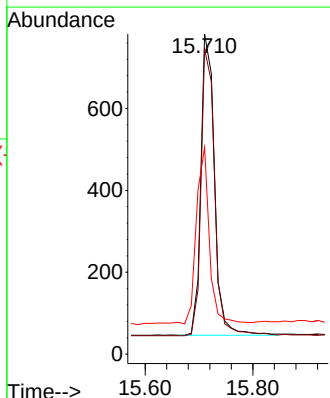
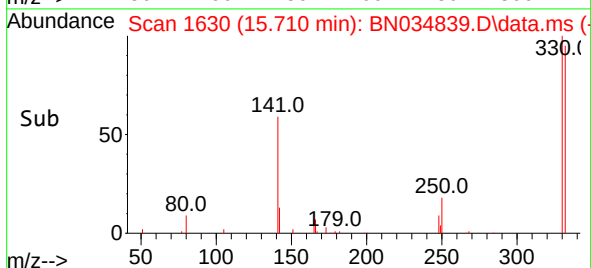
Reviewed By :Jagrut Upadhyay 11/05/2024
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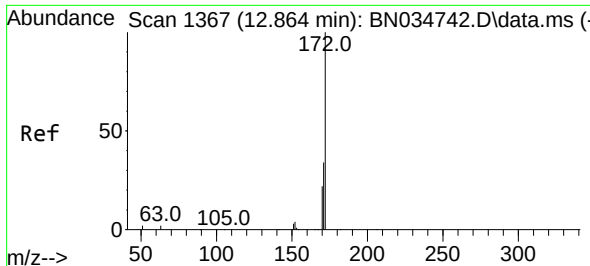


#14
2,4,6-Tribromophenol
Concen: 0.254 ng
RT: 15.710 min Scan# 1630
Delta R.T. -0.018 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55



Tgt Ion:330 Resp: 1295
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.6
141 62.4 41.0 61.4#





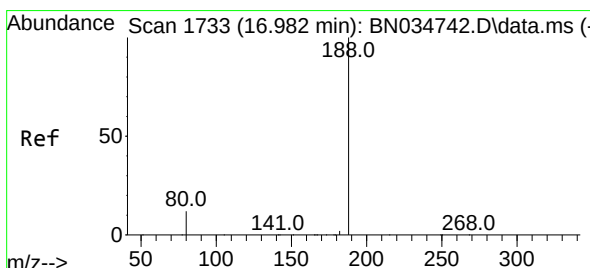
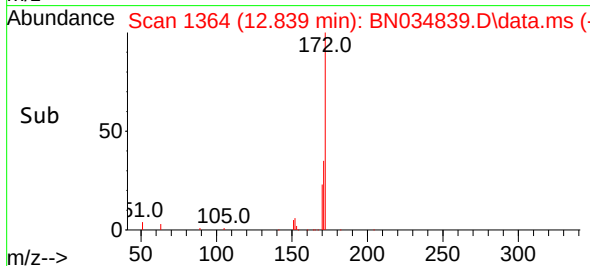
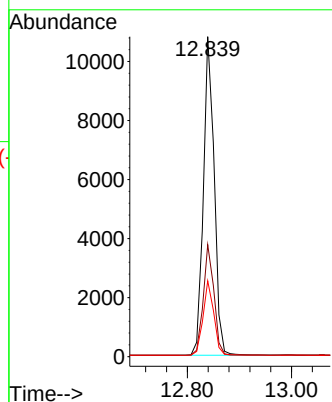
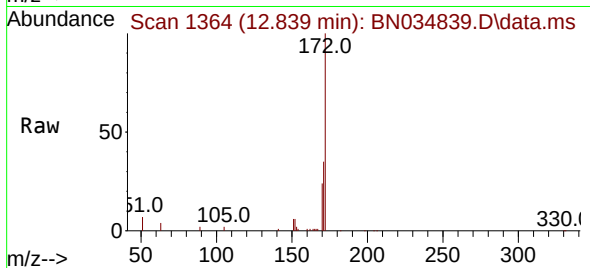
#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 12.839 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030

Tgt Ion:172 Resp: 1562
Ion Ratio Lower Upper
172 100
171 35.0 27.2 40.8
170 23.7 18.0 27.0

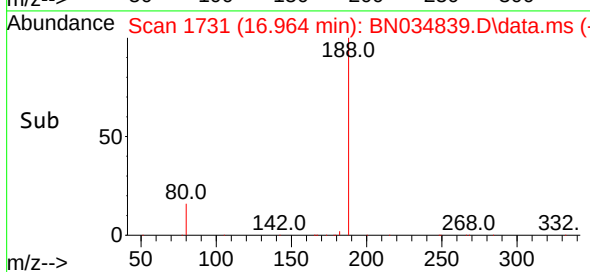
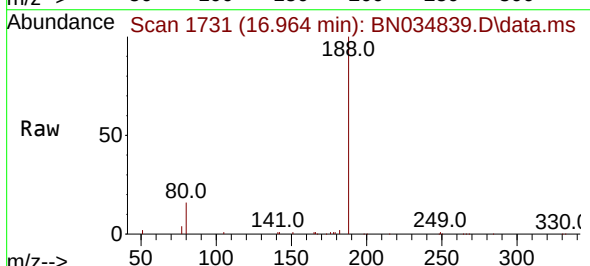
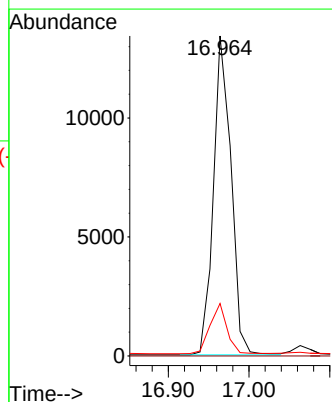
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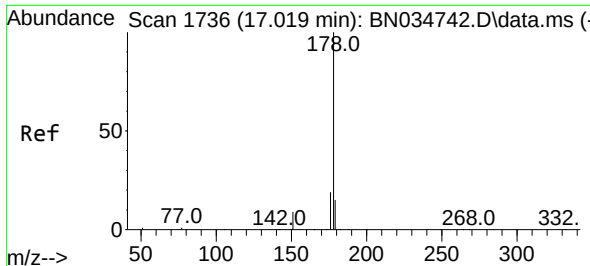
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.964 min Scan# 1731
Delta R.T. -0.018 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

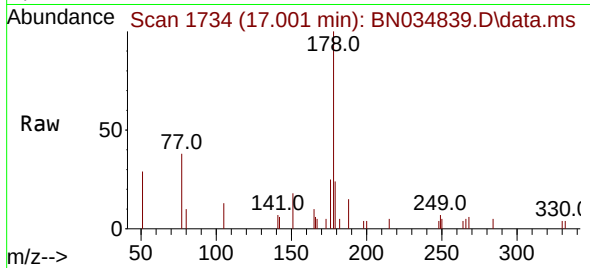
Tgt Ion:188 Resp: 20231
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.4 9.8 14.6





#25
Phenanthrene
Concen: 0.031 ng
RT: 17.001 min Scan# 1742
Delta R.T. -0.018 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

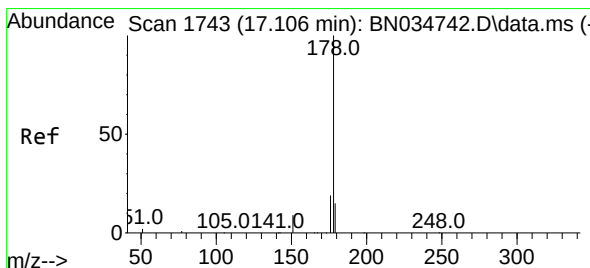
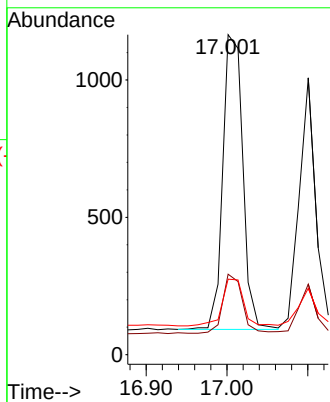
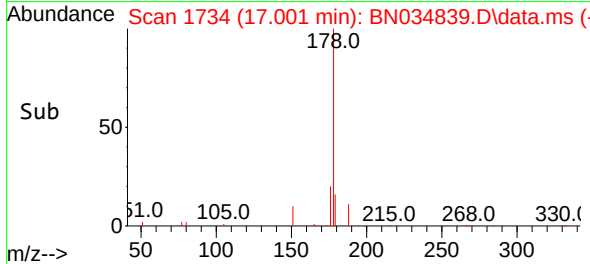
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030



Tgt Ion:178 Resp: 184
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 16.6 12.2 18.4

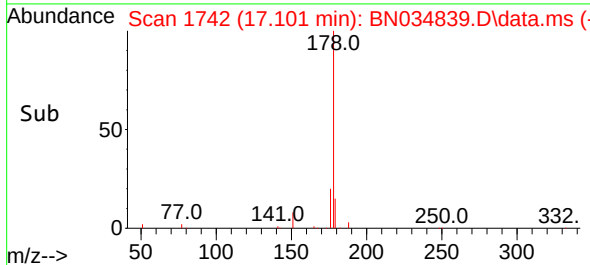
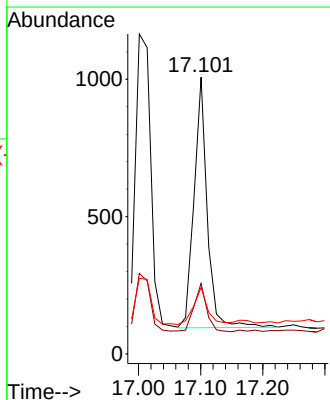
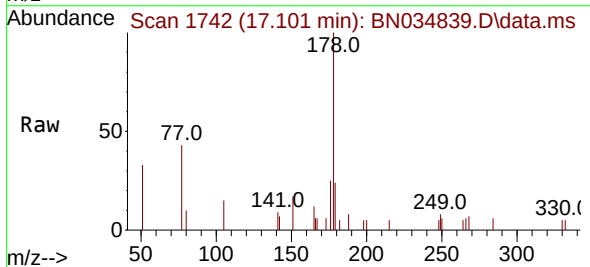
Manual Integrations
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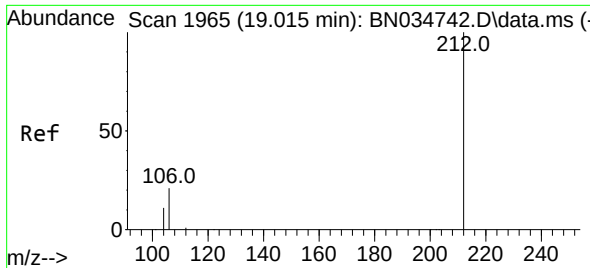
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#26
Anthracene
Concen: 0.024 ng
RT: 17.101 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

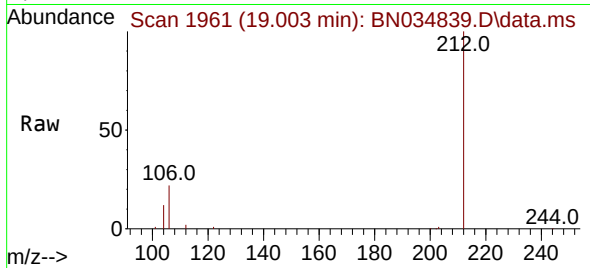
Tgt Ion:178 Resp: 1352
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.2 12.2 18.2





#27
Fluoranthene-d10
Concen: 0.429 ng
RT: 19.003 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

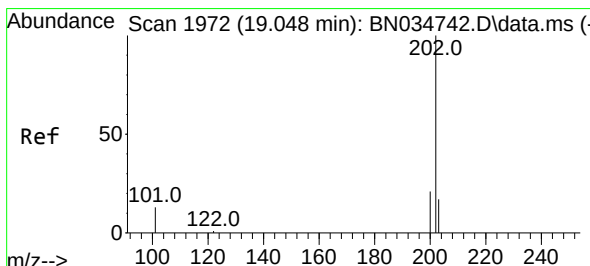
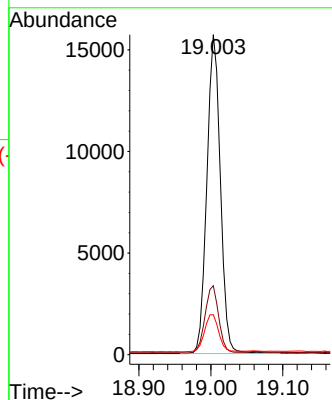
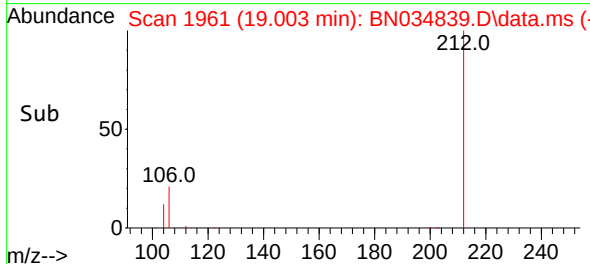
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030



Tgt Ion:212 Resp: 2036
Ion Ratio Lower Upper
212 100
106 21.2 16.1 24.1
104 12.3 9.2 13.8

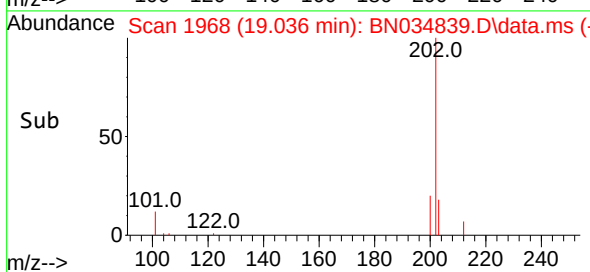
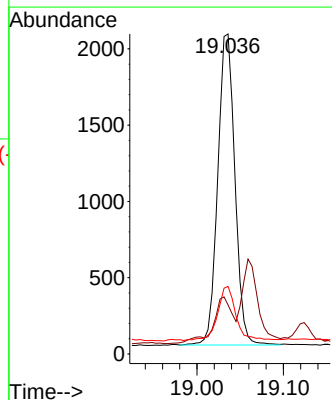
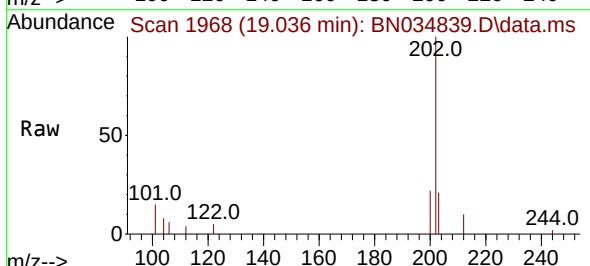
Manual Integrations
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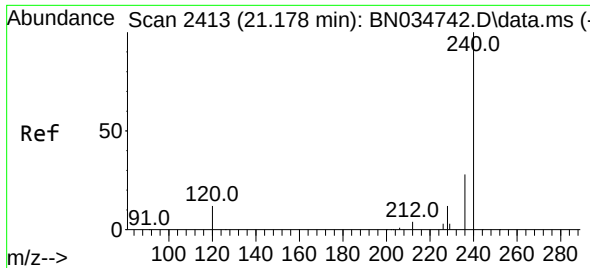
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#28
Fluoranthene
Concen: 0.043 ng
RT: 19.036 min Scan# 1968
Delta R.T. -0.012 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

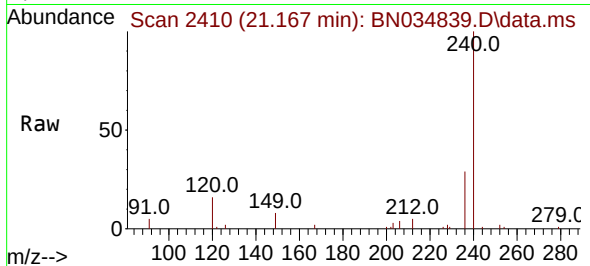
Tgt Ion:202 Resp: 2824
Ion Ratio Lower Upper
202 100
101 16.9 11.4 17.0
203 18.7 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.167 min Scan# 2410
Delta R.T. -0.011 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

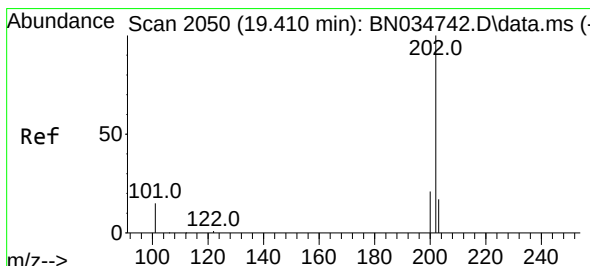
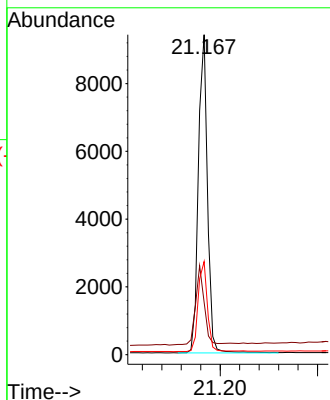
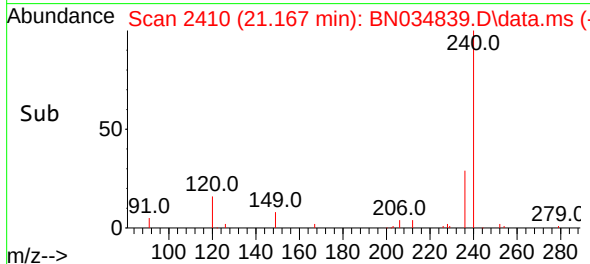
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030



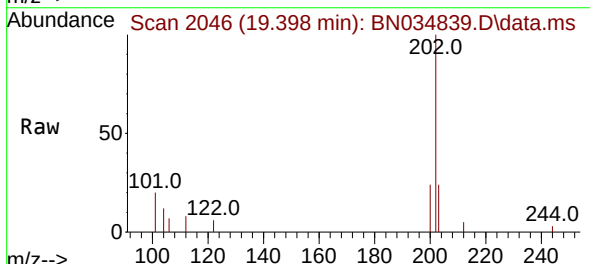
Tgt Ion:240 Resp: 12090
Ion Ratio Lower Upper
240 100
120 16.4 11.5 17.3
236 29.1 23.2 34.8

Manual Integrations
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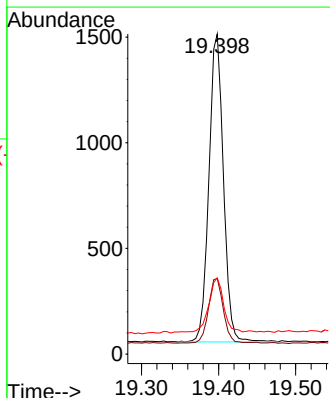
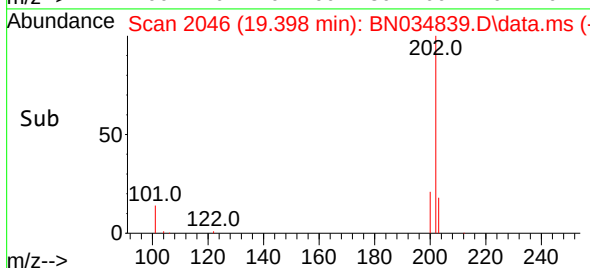
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

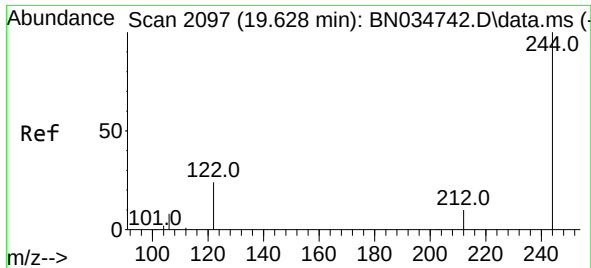


#30
Pyrene
Concen: 0.030 ng
RT: 19.398 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55



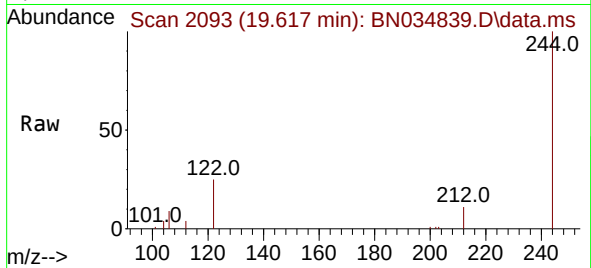
Tgt Ion:202 Resp: 1908
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 19.0 14.2 21.2





#31
 Terphenyl-d14
 Concen: 0.491 ng
 RT: 19.617 min Scan# 2093
 Delta R.T. -0.012 min
 Lab File: BN034839.D
 Acq: 04 Nov 2024 14:55

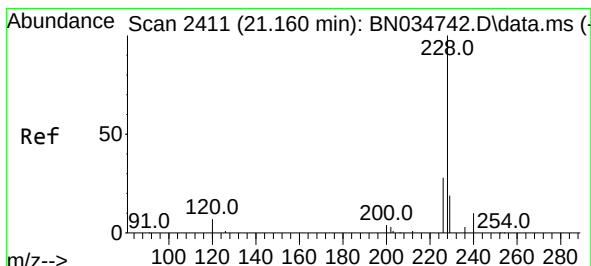
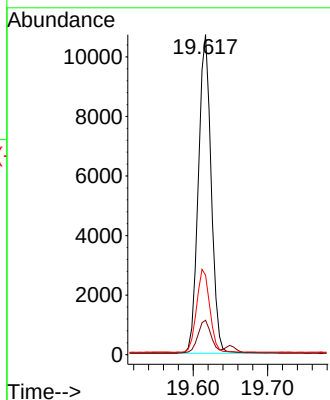
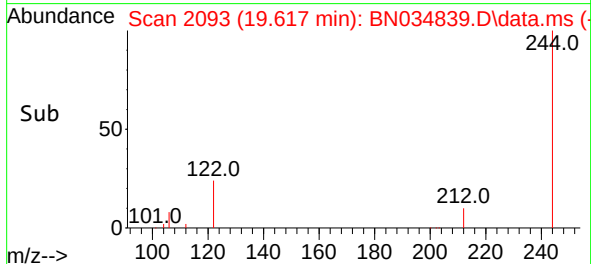
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-50-20241030



Tgt Ion:244 Resp: 1275
 Ion Ratio Lower Upper
 244 100
 212 10.8 8.2 12.4
 122 24.8 19.8 29.6

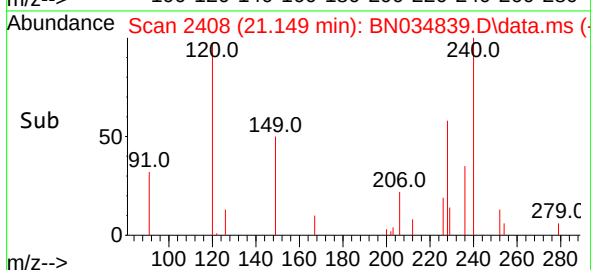
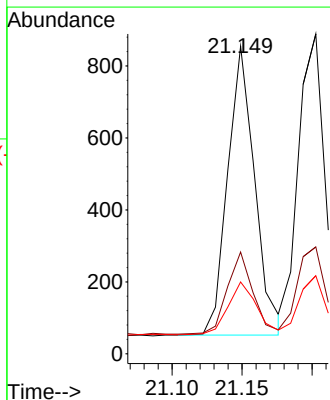
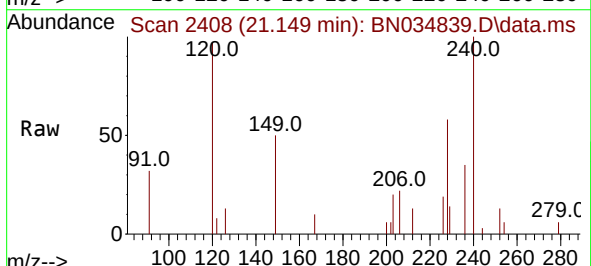
Manual Integrations
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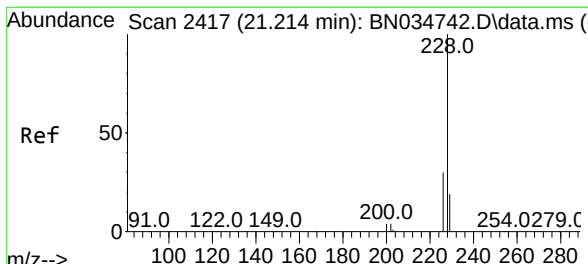
Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024



#32
 Benzo(a)anthracene
 Concen: 0.022 ng
 RT: 21.149 min Scan# 2408
 Delta R.T. -0.011 min
 Lab File: BN034839.D
 Acq: 04 Nov 2024 14:55

Tgt Ion:228 Resp: 1080
 Ion Ratio Lower Upper
 228 100
 226 33.1 22.6 33.8
 229 23.4 15.7 23.5





#33

Chrysene

Concen: 0.024 ng m

RT: 21.203 min Scan# 2414

Delta R.T. -0.011 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

Instrument :

BNA_N

ClientSampleId :

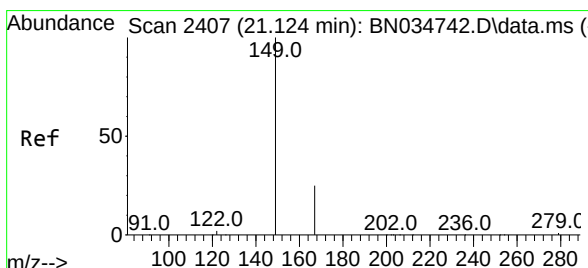
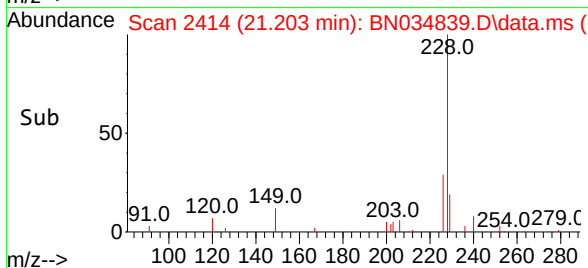
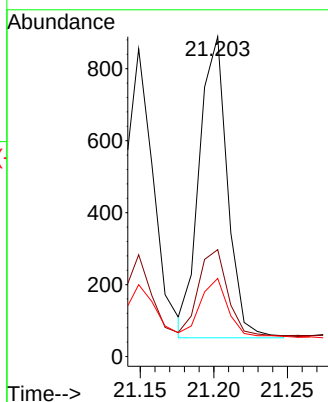
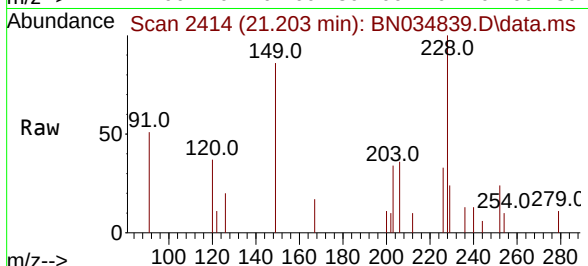
RW5-SP100-50-20241030

Tgt Ion:	228	Resp:	1110
Ion Ratio	Lower	Upper	
228	100		
226	33.4	24.4	36.6
229	24.4	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.022 ng

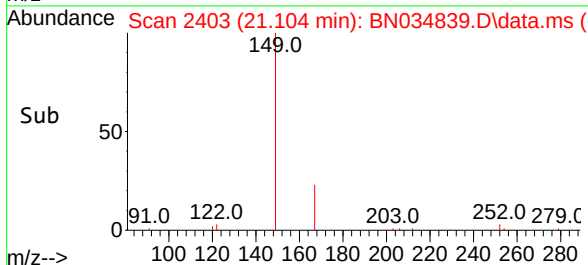
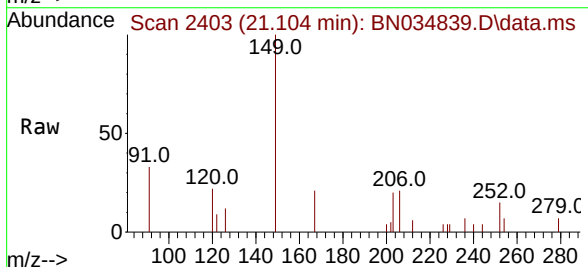
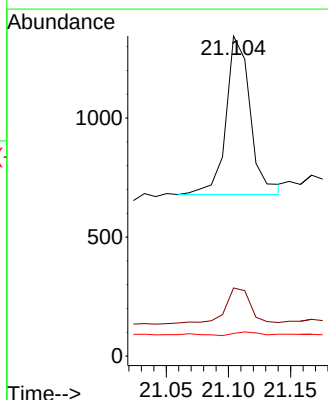
RT: 21.104 min Scan# 2403

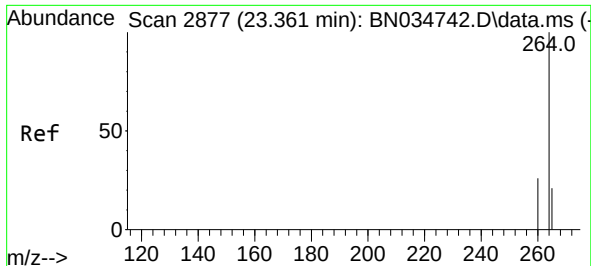
Delta R.T. -0.020 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

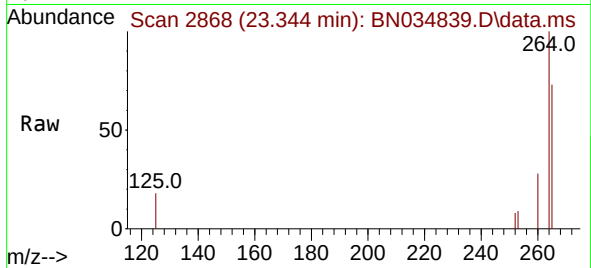
Tgt Ion:	149	Resp:	903
Ion Ratio	Lower	Upper	
149	100		
167	21.8	20.6	30.8
279	2.7	1.5	2.3





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.344 min Scan# 21
Delta R.T. -0.017 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

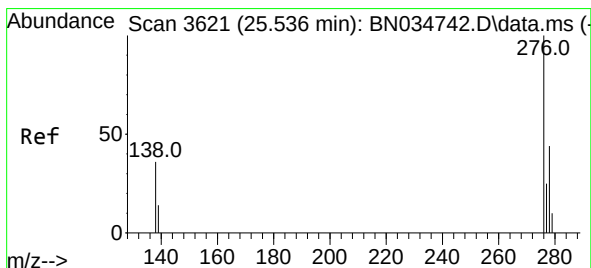
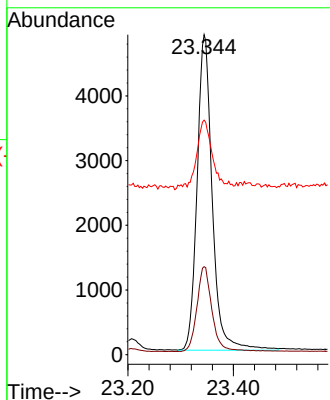
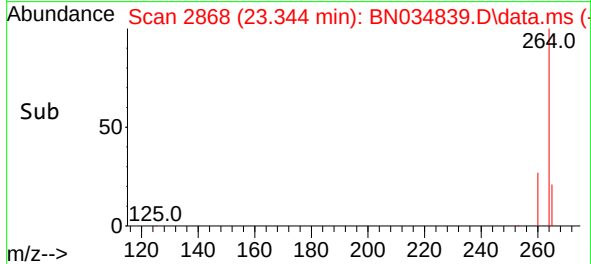
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030



Tgt Ion:264 Resp: 971
Ion Ratio Lower Upper
264 100
260 27.5 21.5 32.3
265 73.3 47.5 71.3

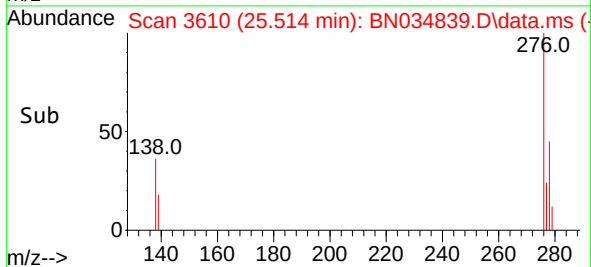
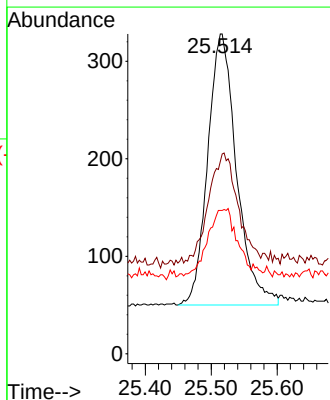
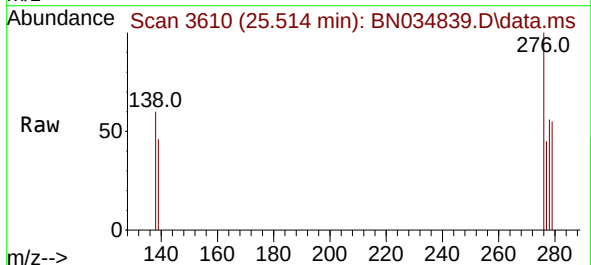
Manual Integrations
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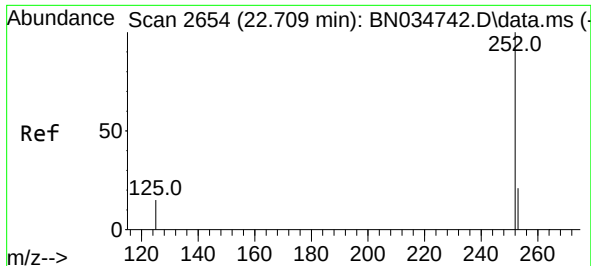
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.024 ng
RT: 25.514 min Scan# 3610
Delta R.T. -0.023 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

Tgt Ion:276 Resp: 846
Ion Ratio Lower Upper
276 100
138 39.8 31.5 47.3
277 24.8 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.031 ng

RT: 22.695 min Scan# 2646

Delta R.T. -0.014 min

Lab File: BN034839.D

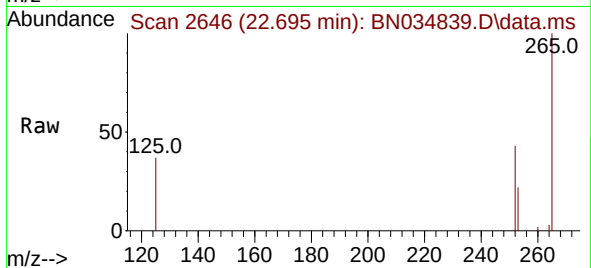
Acq: 04 Nov 2024 14:55

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-50-20241030



Tgt Ion:252 Resp: 1200

Ion Ratio Lower Upper

252 100

253 52.3 19.7 29.5

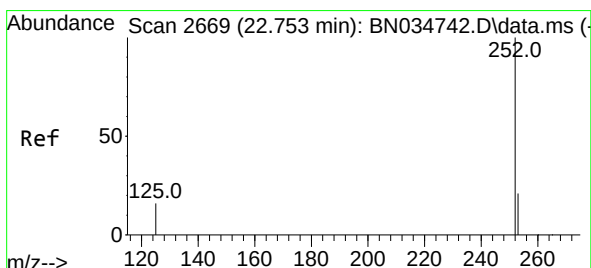
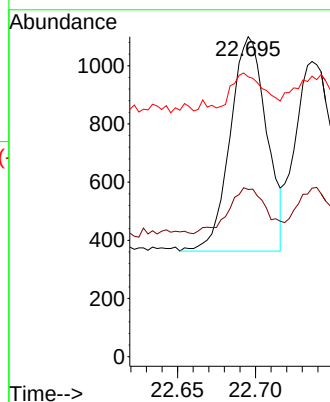
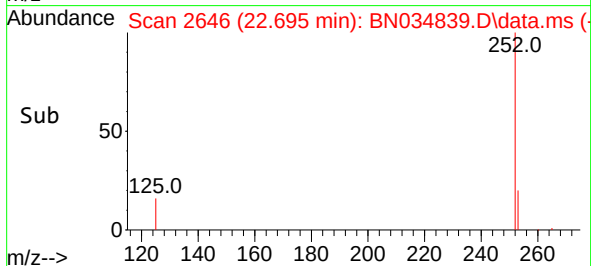
125 87.5 17.1 25.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/05/2024

Supervised By :mohammad ahmed 11/06/2024



#38

Benzo(k)fluoranthene

Concen: 0.029 ng

RT: 22.736 min Scan# 2660

Delta R.T. -0.017 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

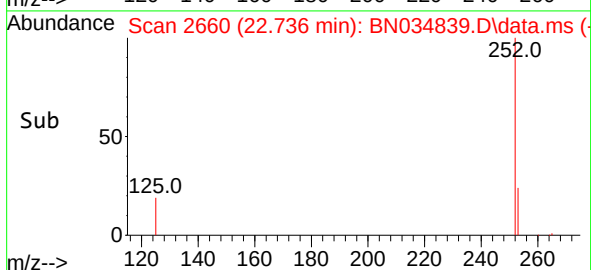
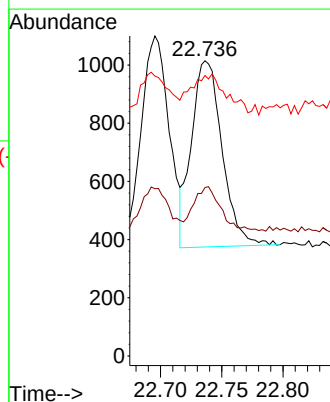
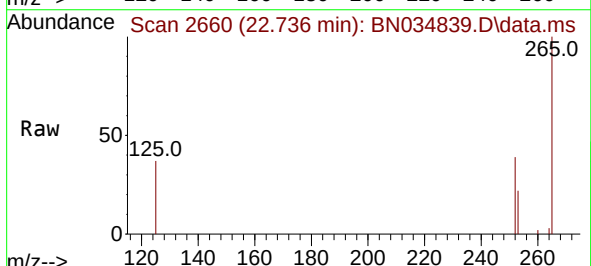
Tgt Ion:252 Resp: 1114

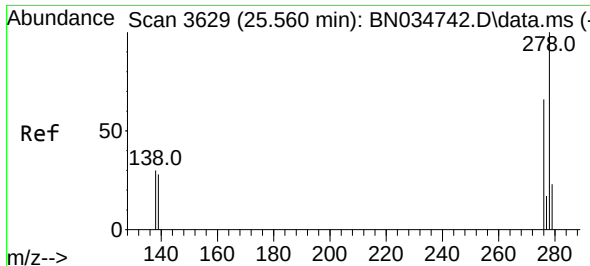
Ion Ratio Lower Upper

252 100

253 57.0 19.8 29.6#

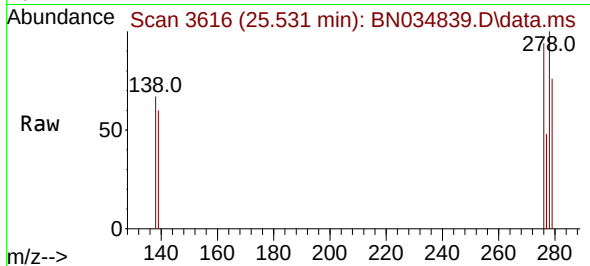
125 95.0 18.2 27.2#





#40
Dibenzo(a,h)anthracene
Concen: 0.021 ng
RT: 25.531 min Scan# 30
Delta R.T. -0.029 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

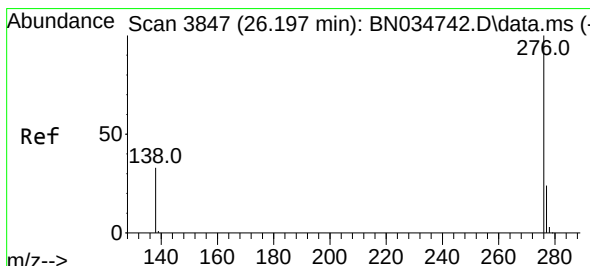
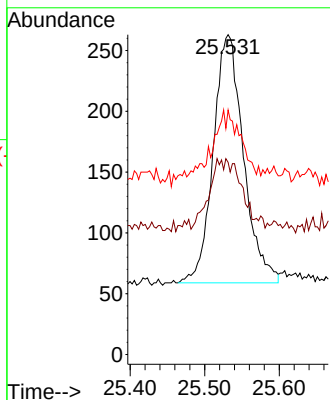
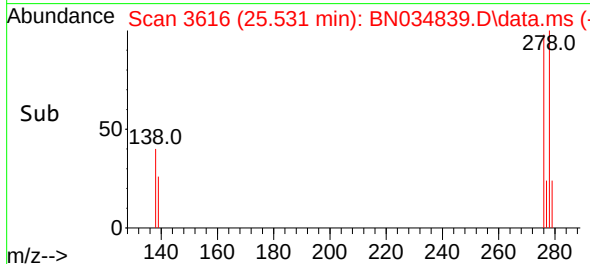
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030



Tgt Ion:278 Resp: 579
Ion Ratio Lower Upper
278 100
139 60.1 24.9 37.3#
279 76.4 21.0 31.4#

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#41
Benzo(g,h,i)perylene
Concen: 0.022 ng m
RT: 26.177 min Scan# 3837
Delta R.T. -0.020 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

Tgt Ion:276 Resp: 668
Ion Ratio Lower Upper
276 100
277 48.7 20.2 30.2#
138 66.0 28.7 43.1#

