

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110424\
 Data File : BN034840.D
 Acq On : 04 Nov 2024 15:31
 Operator : RC/JU
 Sample : P4652-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-50-20241030

Manual Integrations
 APPROVED

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

Quant Time: Nov 04 16:08:30 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	6345	0.400	ng	-0.01
7) Naphthalene-d8	10.351	136	18925	0.400	ng	#-0.02
13) Acenaphthene-d10	14.222	164	9397	0.400	ng	-0.01
19) Phenanthrene-d10	16.970	188	18708	0.400	ng	-0.01
29) Chrysene-d12	21.160	240	10340	0.400	ng	#-0.02
35) Perylene-d12	23.338	264	7618	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	3693	0.192	ng	0.00
5) Phenol-d6	6.773	99	3236	0.130	ng	0.00
8) Nitrobenzene-d5	8.728	82	6185	0.416	ng	-0.01
11) 2-Methylnaphthalene-d10	11.950	152	10220	0.373	ng	-0.02
14) 2,4,6-Tribromophenol	15.716	330	1154	0.249	ng	-0.01
15) 2-Fluorobiphenyl	12.843	172	16254	0.439	ng	-0.02
27) Fluoranthene-d10	19.001	212	19026	0.434	ng	-0.01
31) Terphenyl-d14	19.614	244	11843	0.533	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.198	88	455	0.065	ng	# 1
18) Fluorene	15.270	166	851	0.022	ng	# 98
25) Phenanthrene	17.007	178	2106m	0.038	ng	
28) Fluoranthene	19.034	202	3736	0.062	ng	96
30) Pyrene	19.396	202	2579	0.048	ng	98
32) Benzo(a)anthracene	21.142	228	900	0.022	ng	# 89
33) Chrysene	21.196	228	921	0.023	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.513	276	750	0.027	ng	98
37) Benzo(b)fluoranthene	22.689	252	1336	0.044	ng	# 12
38) Benzo(k)fluoranthene	22.736	252	998	0.033	ng	# 2
41) Benzo(g,h,i)perylene	26.171	276	489	0.021	ng	# 38

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

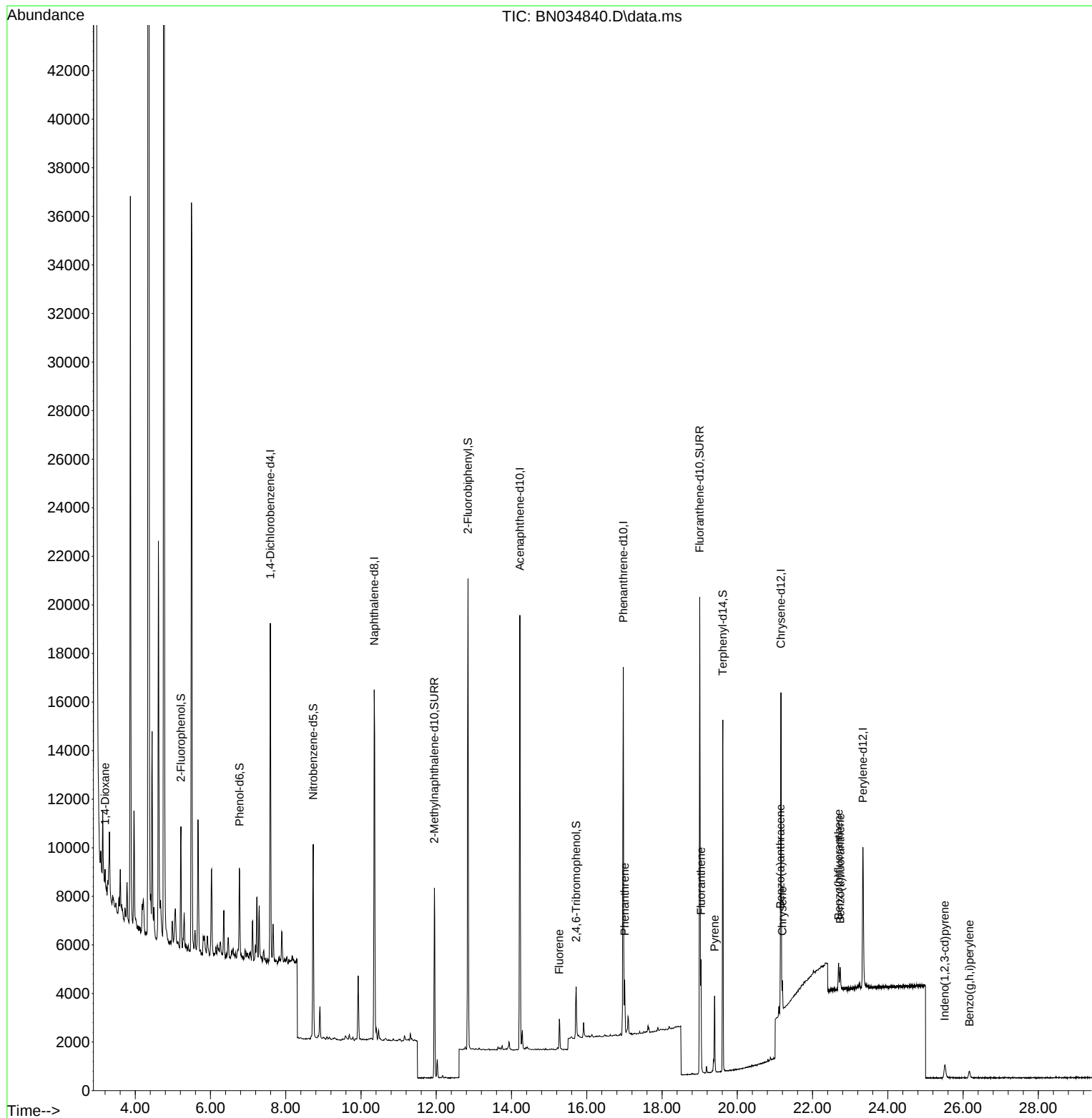
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110424\
Data File : BN034840.D
Acq On : 04 Nov 2024 15:31
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ALS Vial : 5 Sample Multiplier: 1

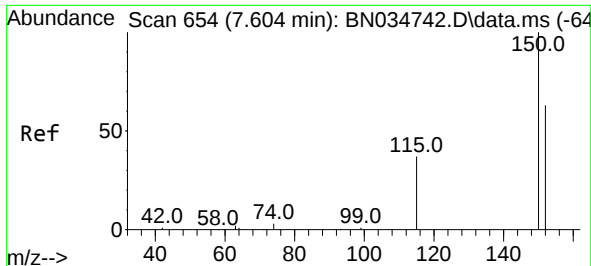
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-50-20241030

Quant Time: Nov 04 16:08:30 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
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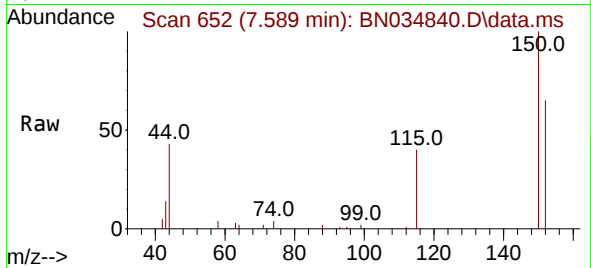
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.015 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

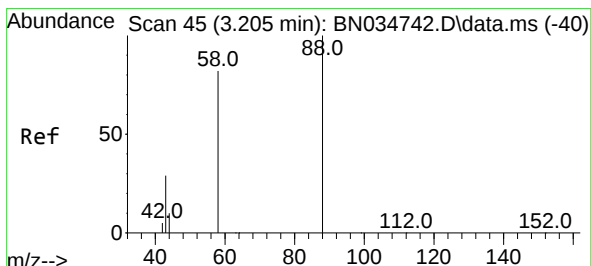
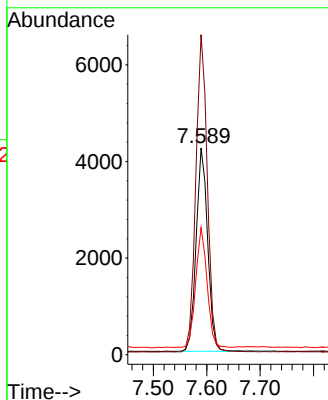
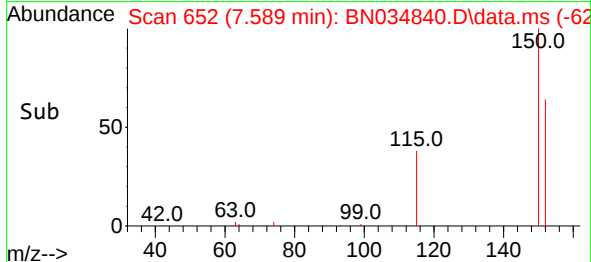
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-50-20241030



Tgt Ion: 152 Resp: 634
Ion Ratio Lower Upper
152 100
150 154.8 124.9 187.3
115 61.5 50.2 75.2

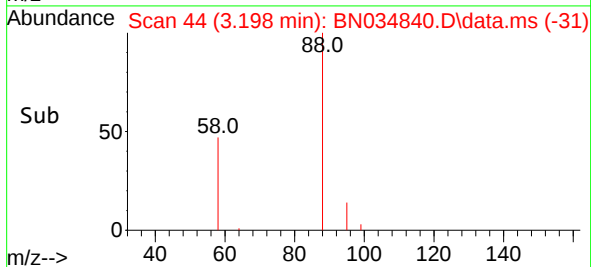
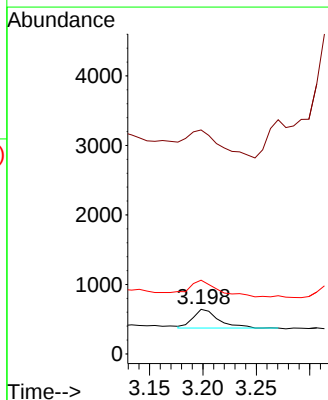
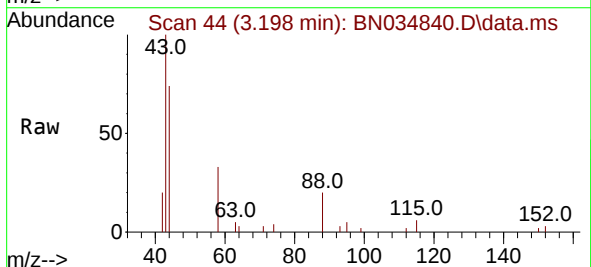
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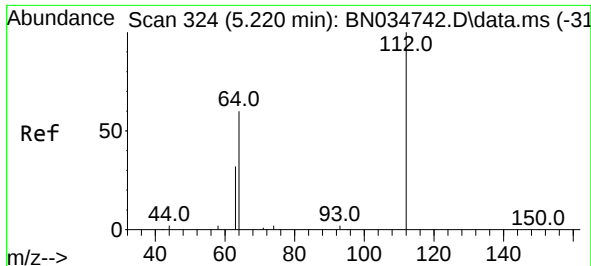
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#2
1,4-Dioxane
Concen: 0.065 ng
RT: 3.198 min Scan# 44
Delta R.T. -0.007 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

Tgt Ion: 88 Resp: 455
Ion Ratio Lower Upper
88 100
43 187.7 26.7 40.1#
58 98.5 59.3 88.9#





#4

2-Fluorophenol

Concen: 0.192 ng

RT: 5.213 min Scan# 31

Delta R.T. -0.007 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

Instrument :

BNA_N

ClientSampleId :

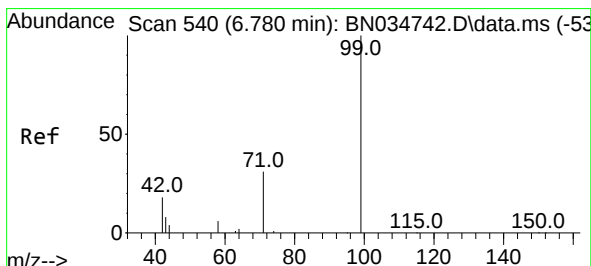
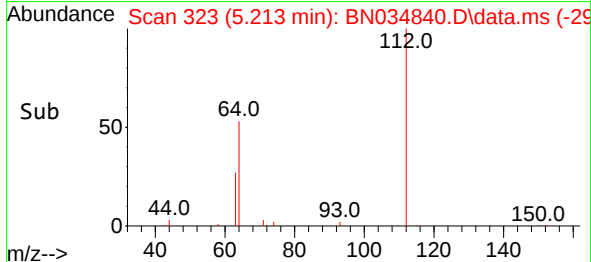
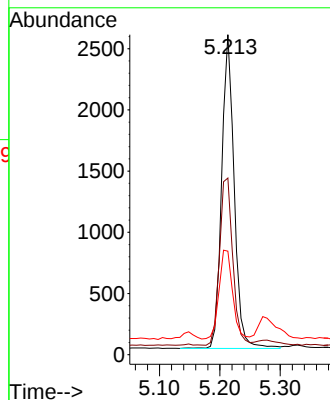
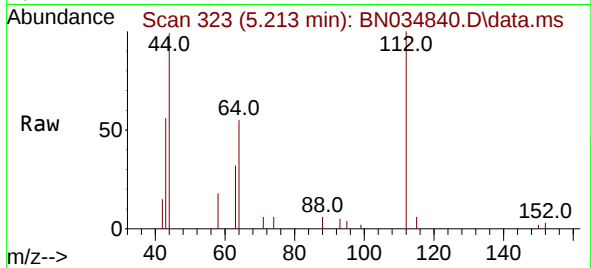
RW5-SP201-50-20241030

Tgt Ion:	112	Resp:	369
Ion Ratio	Lower	Upper	
112	100		
64	56.2	44.9	67.3
63	30.7	23.5	35.3

Manual Integrations

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#5

Phenol-d6

Concen: 0.130 ng

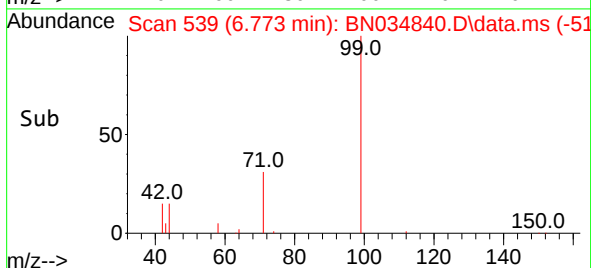
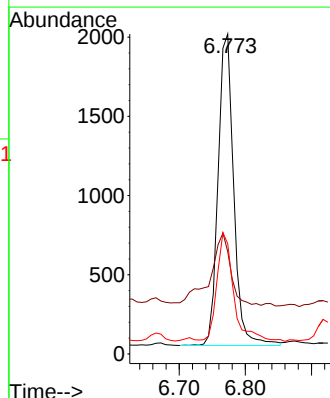
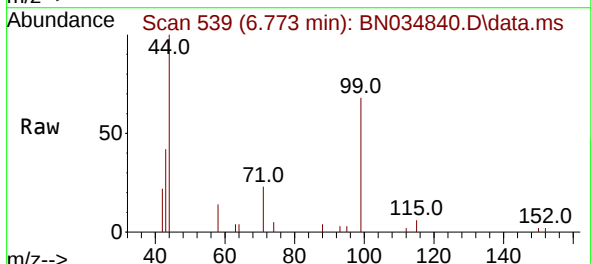
RT: 6.773 min Scan# 539

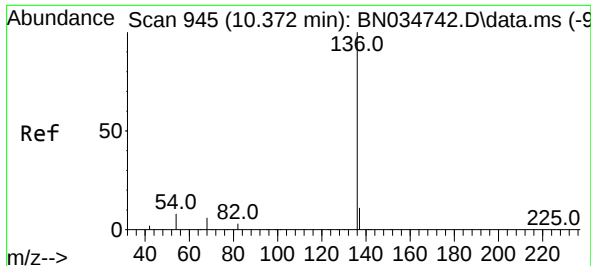
Delta R.T. -0.007 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

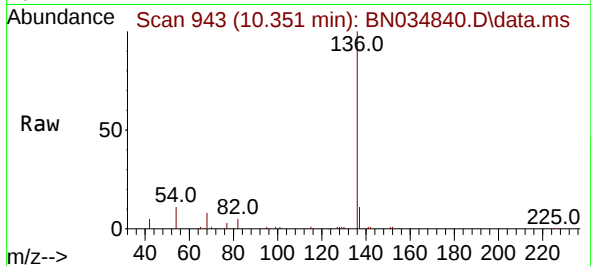
Tgt Ion:	99	Resp:	3236
Ion Ratio	Lower	Upper	
99	100		
42	30.2	15.9	23.9#
71	37.6	24.3	36.5#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 945
Delta R.T. -0.021 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

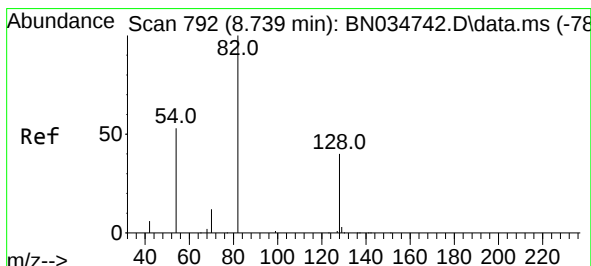
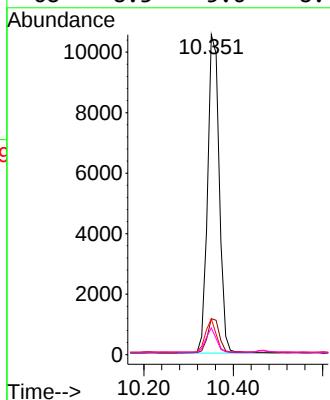
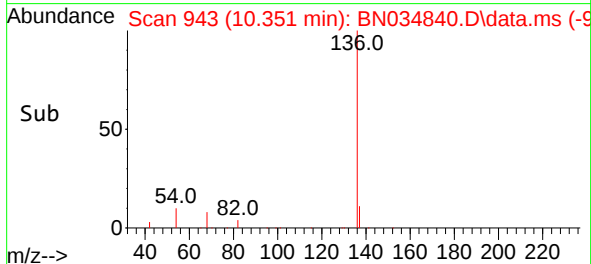
Instrument : BNA_N
ClientSampleId : RW5-SP201-50-20241030



Tgt Ion:	136	Resp:	1892
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.2	13.8
54	11.2	7.0	10.4
68	8.3	5.6	8.4

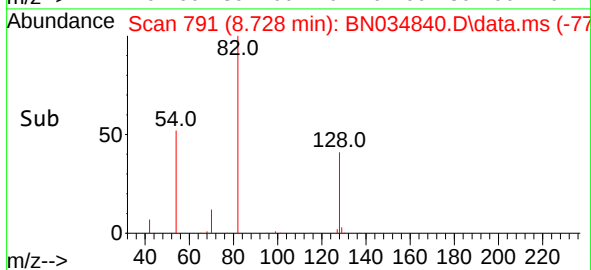
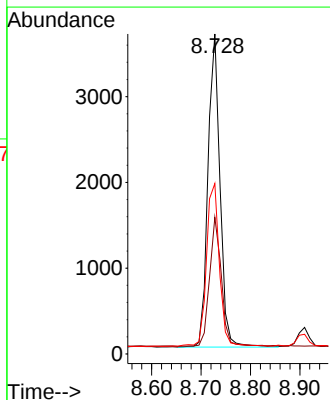
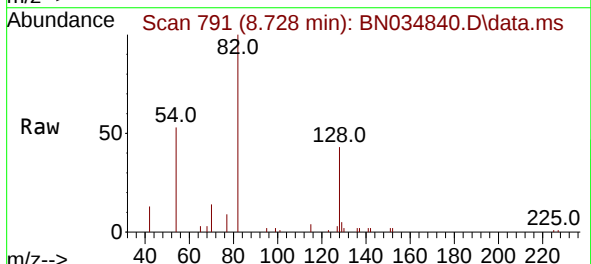
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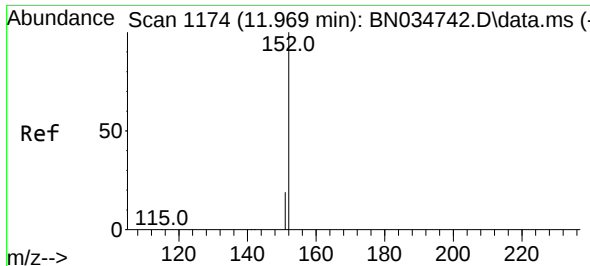
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#8
Nitrobenzene-d5
Concen: 0.416 ng
RT: 8.728 min Scan# 791
Delta R.T. -0.011 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

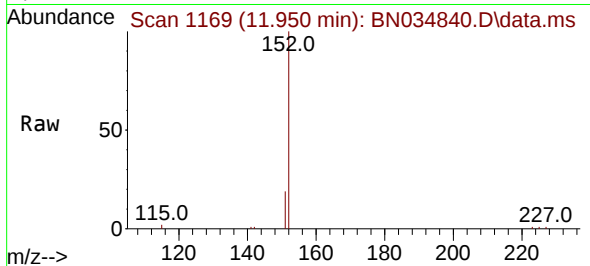
Tgt Ion:	82	Resp:	6185
Ion Ratio	Lower	Upper	
82	100		
128	42.7	33.7	50.5
54	53.3	44.4	66.6





#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.950 min Scan# 1174
Delta R.T. -0.019 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

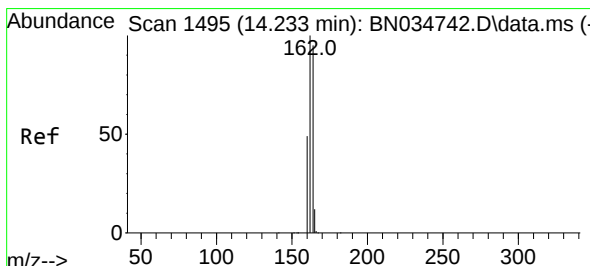
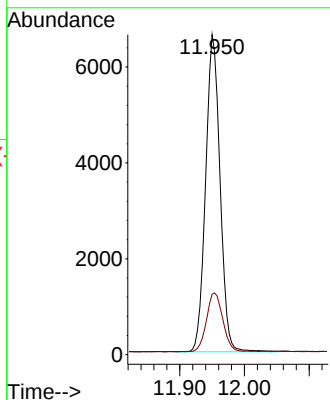
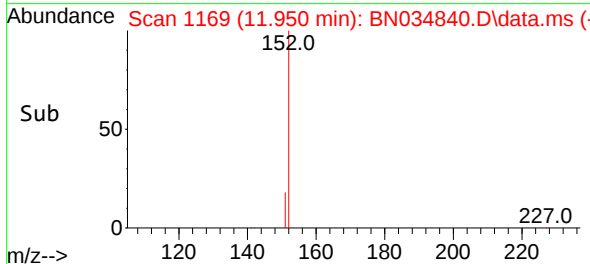
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-50-20241030



Tgt Ion:152 Resp: 10220
Ion Ratio Lower Upper
152 100
151 21.0 16.6 24.8

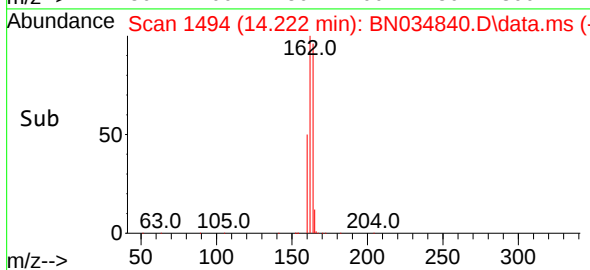
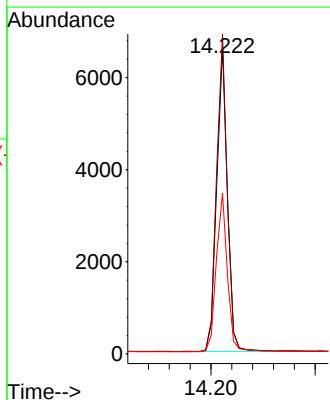
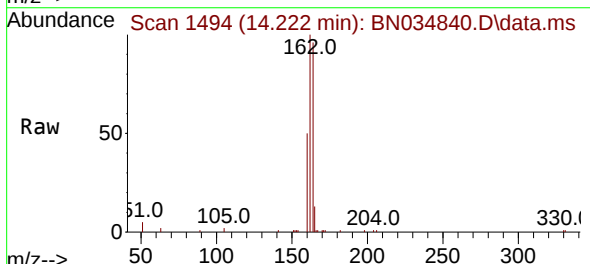
Manual Integrations
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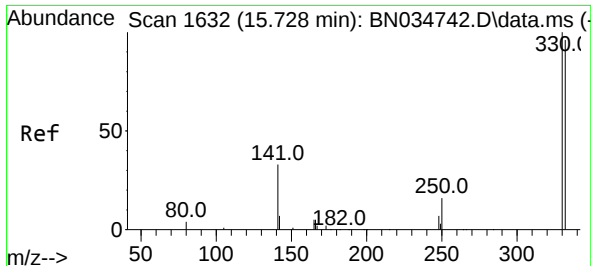
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.222 min Scan# 1494
Delta R.T. -0.011 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

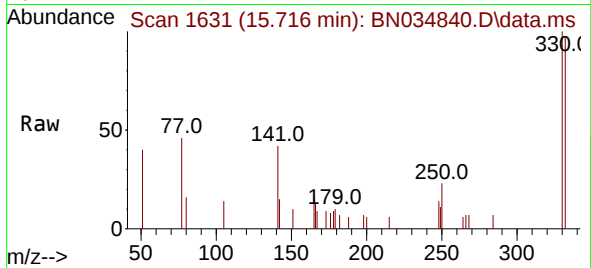
Tgt Ion:164 Resp: 9397
Ion Ratio Lower Upper
164 100
162 104.4 84.3 126.5
160 52.4 41.7 62.5





#14
2,4,6-Tribromophenol
Concen: 0.249 ng
RT: 15.716 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

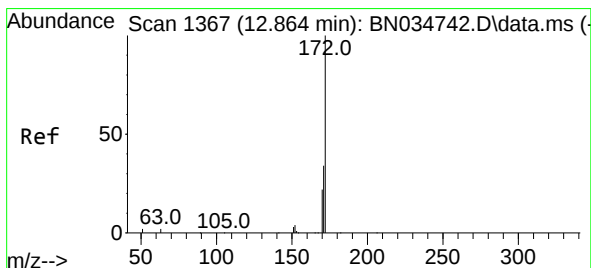
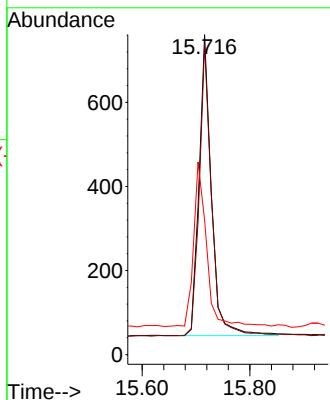
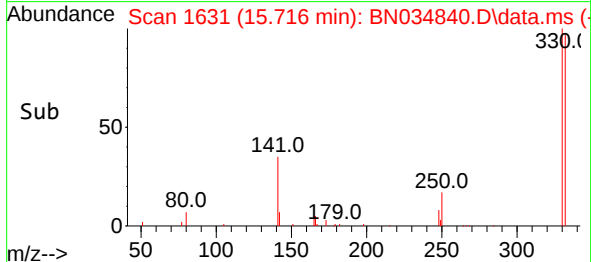
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-50-20241030



Tgt Ion:330 Resp: 1154
Ion Ratio Lower Upper
330 100
332 95.1 77.8 116.6
141 56.9 41.0 61.4

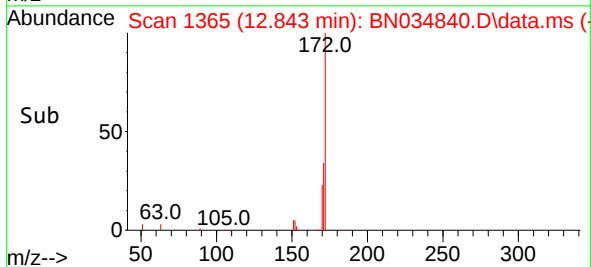
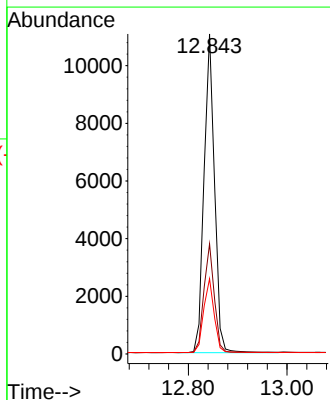
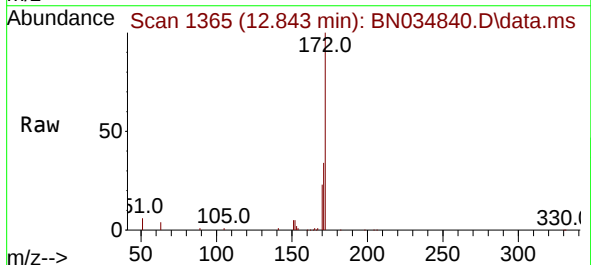
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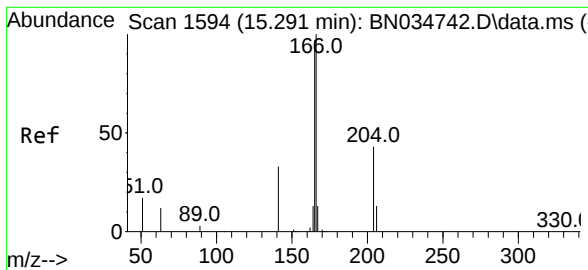
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#15
2-Fluorobiphenyl
Concen: 0.439 ng
RT: 12.843 min Scan# 1365
Delta R.T. -0.021 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

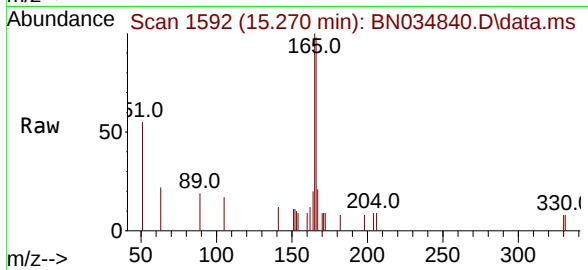
Tgt Ion:172 Resp: 16254
Ion Ratio Lower Upper
172 100
171 34.4 27.2 40.8
170 23.5 18.0 27.0





#18
Fluorene
Concen: 0.022 ng
RT: 15.270 min Scan# 1592
Delta R.T. -0.021 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

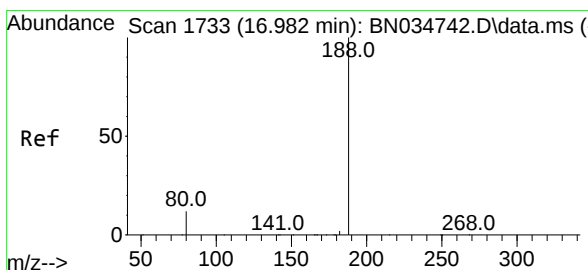
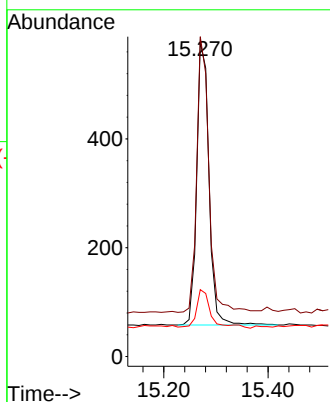
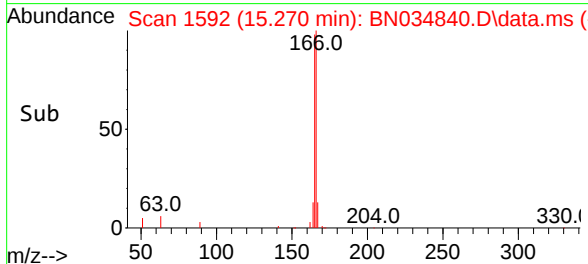
Instrument : BNA_N
ClientSampleId : RW5-SP201-50-20241030



Tgt Ion:166 Resp: 85
Ion Ratio Lower Upper
166 100
165 96.6 78.5 117.7
167 16.2 10.8 16.2

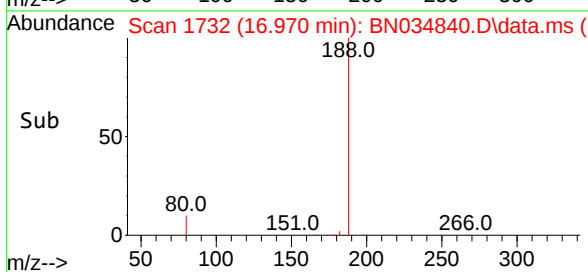
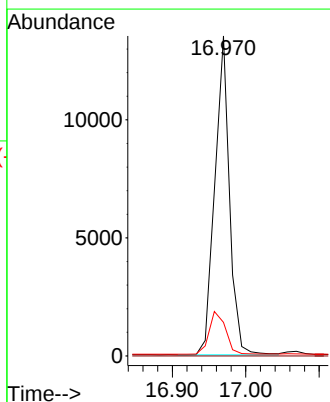
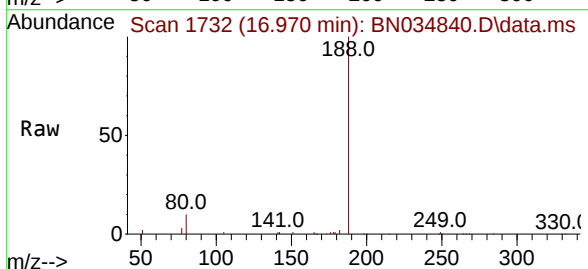
Manual Integrations
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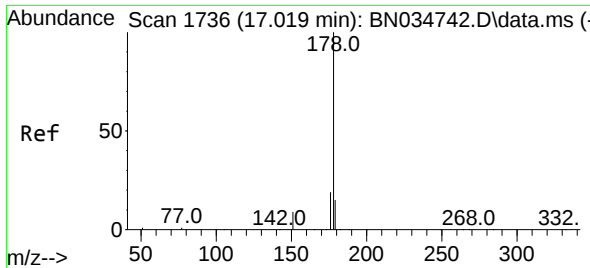
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.970 min Scan# 1732
Delta R.T. -0.012 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

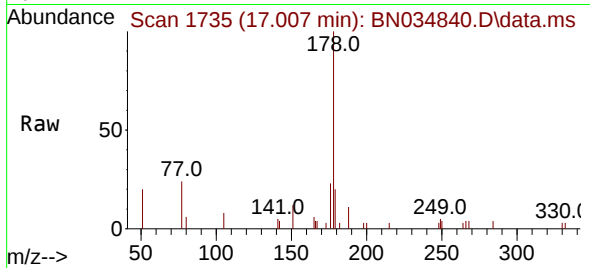
Tgt Ion:188 Resp: 18708
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.5 9.8 14.6





#25
Phenanthrene
Concen: 0.038 ng m
RT: 17.007 min Scan# 1735
Delta R.T. -0.012 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

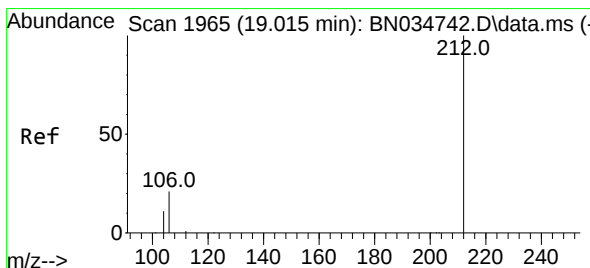
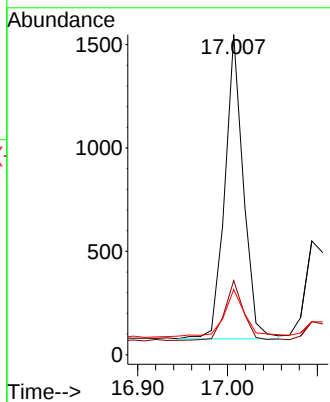
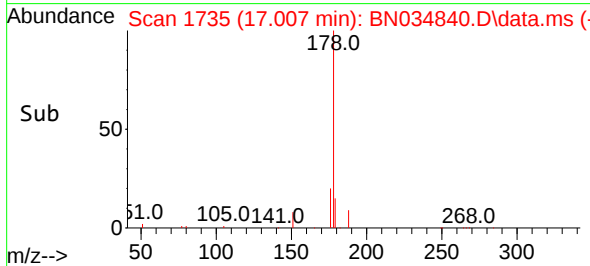
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-50-20241030



Tgt Ion:178 Resp: 2100
Ion Ratio Lower Upper
178 100
176 7.3 15.4 23.0
179 6.3 12.2 18.4

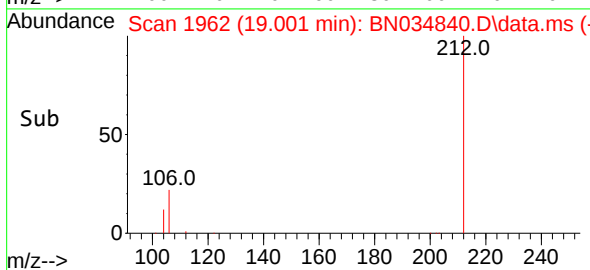
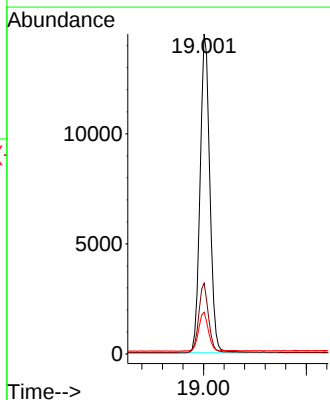
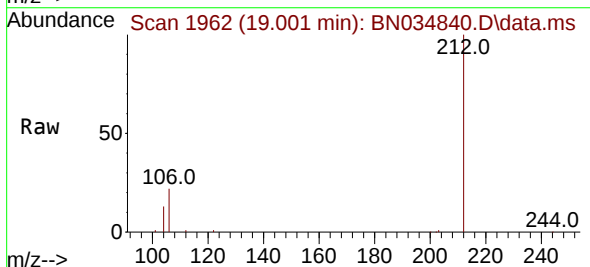
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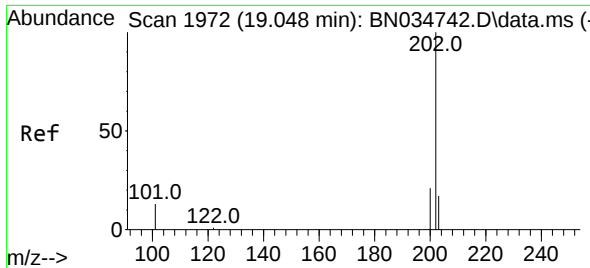
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#27
Fluoranthene-d10
Concen: 0.434 ng
RT: 19.001 min Scan# 1962
Delta R.T. -0.014 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

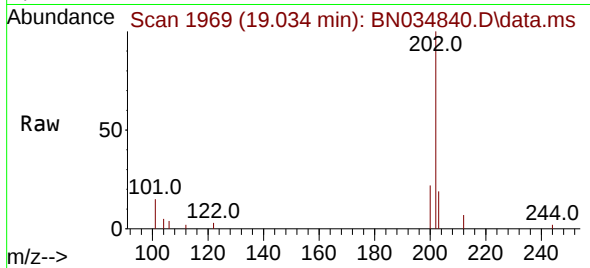
Tgt Ion:212 Resp: 19026
Ion Ratio Lower Upper
212 100
106 21.5 16.1 24.1
104 12.3 9.2 13.8





#28
Fluoranthene
Concen: 0.062 ng
RT: 19.034 min Scan# 1972
Delta R.T. -0.014 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

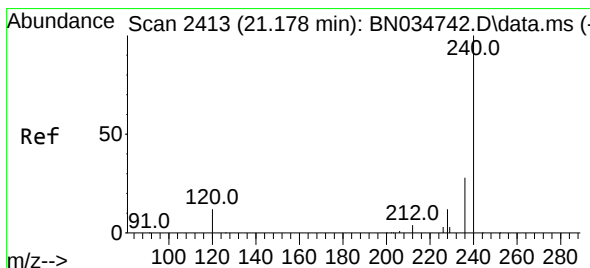
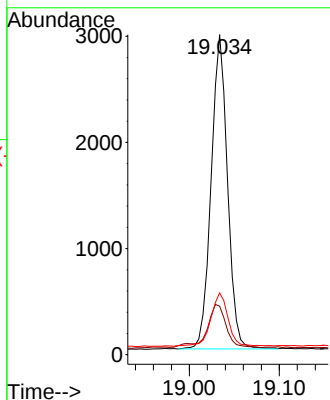
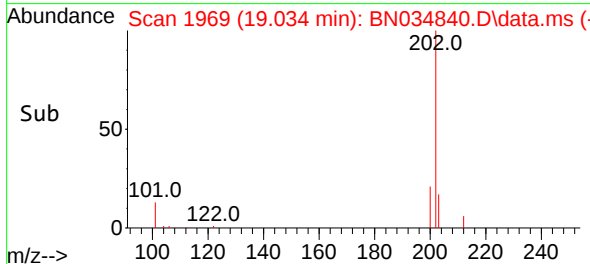
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-50-20241030



Tgt Ion:202 Resp: 3730
Ion Ratio Lower Upper
202 100
101 16.3 11.4 17.0
203 18.0 13.7 20.5

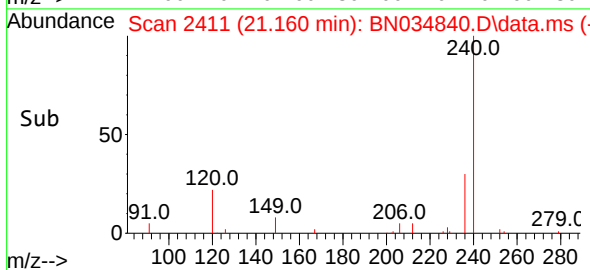
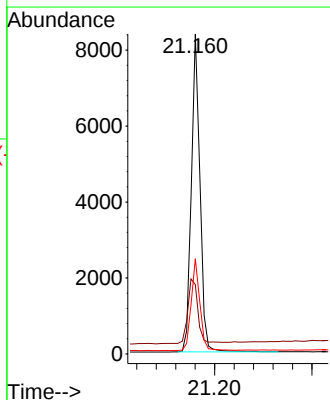
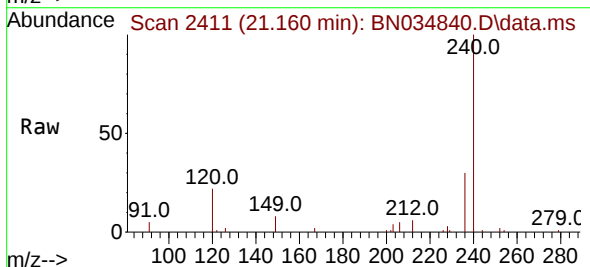
Manual Integrations
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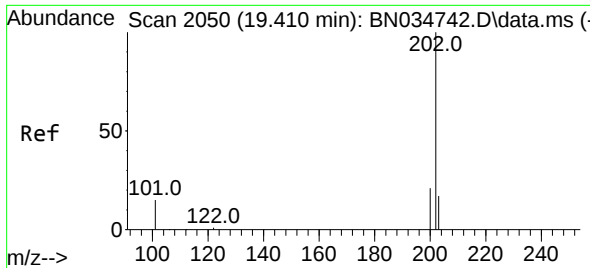
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.160 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

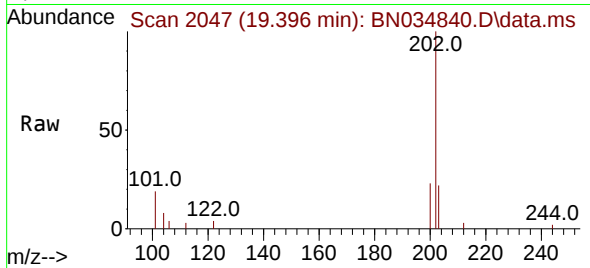
Tgt Ion:240 Resp: 10340
Ion Ratio Lower Upper
240 100
120 21.6 11.5 17.3#
236 29.7 23.2 34.8





#30
Pyrene
Concen: 0.048 ng
RT: 19.396 min Scan# 2047
Delta R.T. -0.014 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

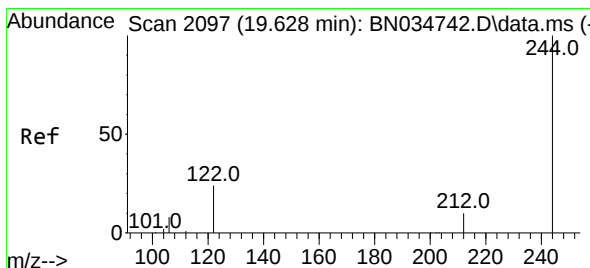
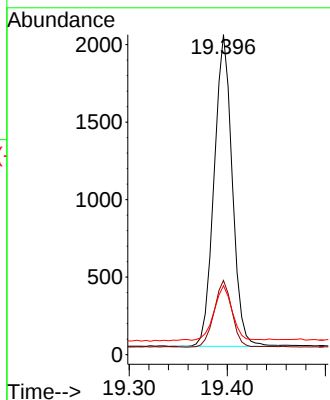
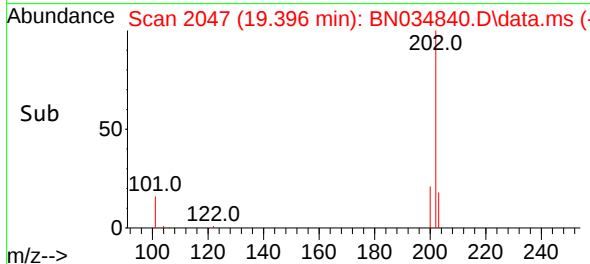
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-50-20241030



Tgt Ion:202 Resp: 2579
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 19.1 14.2 21.2

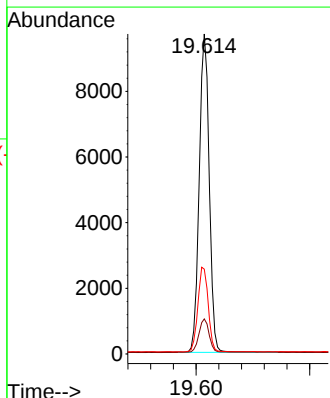
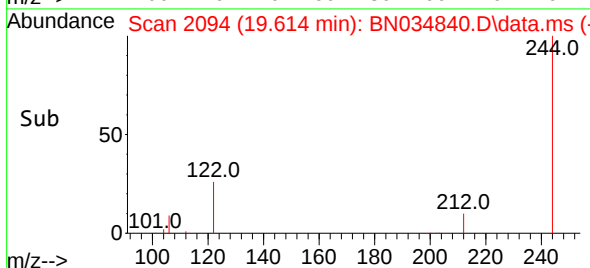
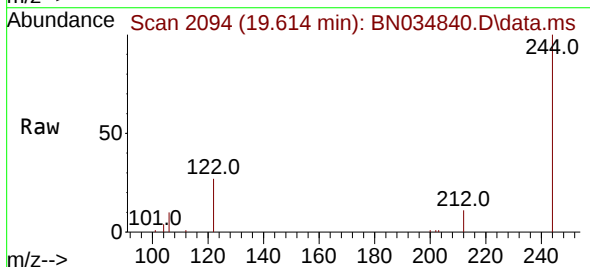
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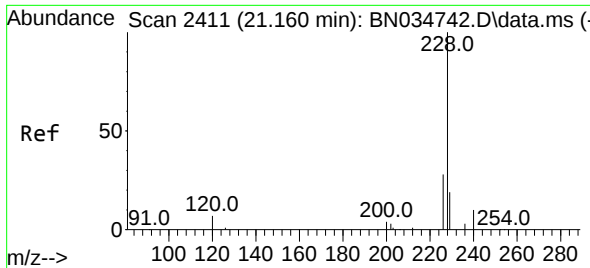
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#31
Terphenyl-d14
Concen: 0.533 ng
RT: 19.614 min Scan# 2094
Delta R.T. -0.014 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

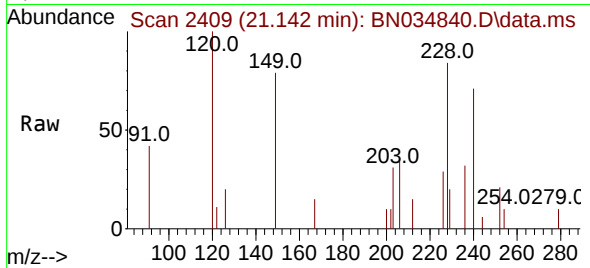
Tgt Ion:244 Resp: 11843
Ion Ratio Lower Upper
244 100
212 11.0 8.2 12.4
122 26.5 19.8 29.6





#32
Benzo(a)anthracene
Concen: 0.022 ng
RT: 21.142 min Scan# 2409
Delta R.T. -0.018 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

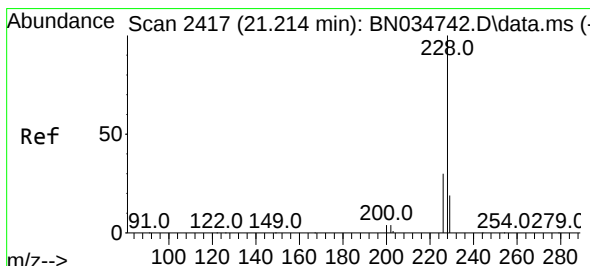
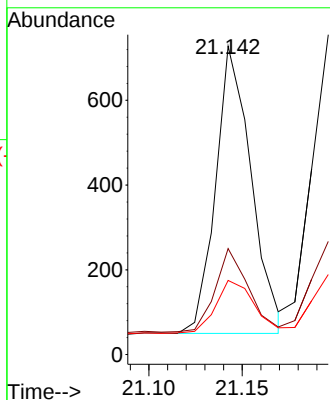
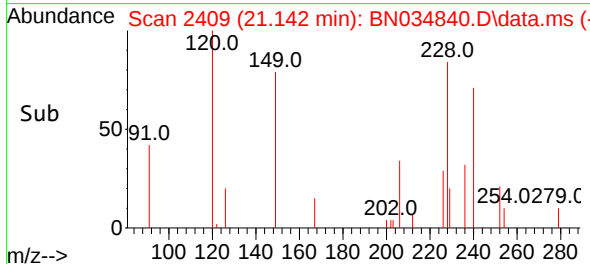
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-50-20241030



Tgt Ion:228 Resp: 900
Ion Ratio Lower Upper
228 100
226 34.3 22.6 33.8
229 24.0 15.7 23.5

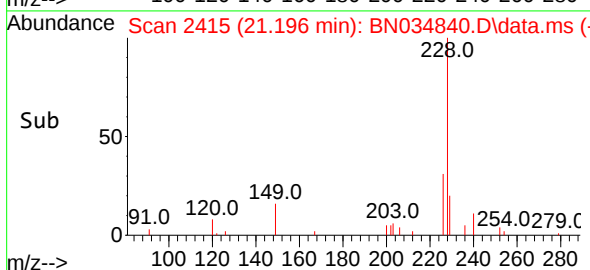
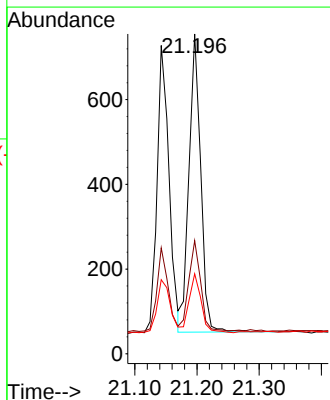
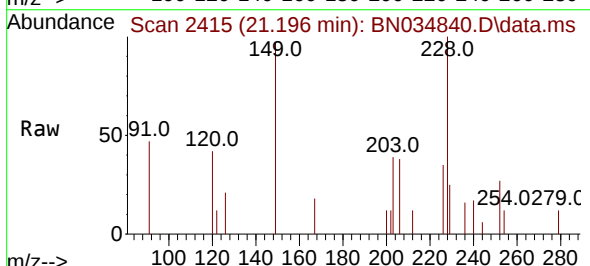
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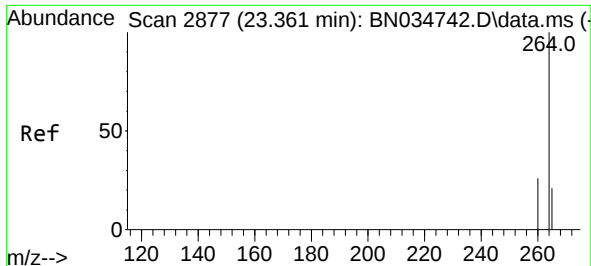
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#33
Chrysene
Concen: 0.023 ng
RT: 21.196 min Scan# 2415
Delta R.T. -0.018 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

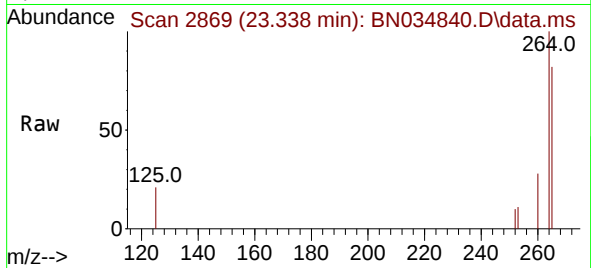
Tgt Ion:228 Resp: 921
Ion Ratio Lower Upper
228 100
226 35.4 24.4 36.6
229 25.0 15.6 23.4





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.338 min Scan# 2869
 Delta R.T. -0.023 min
 Lab File: BN034840.D
 Acq: 04 Nov 2024 15:31

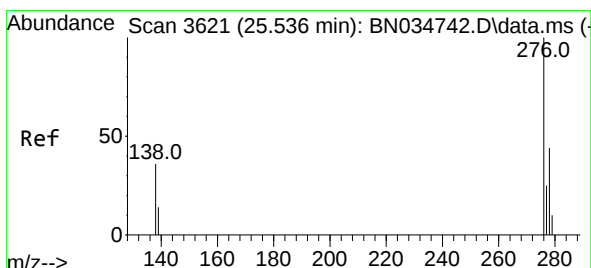
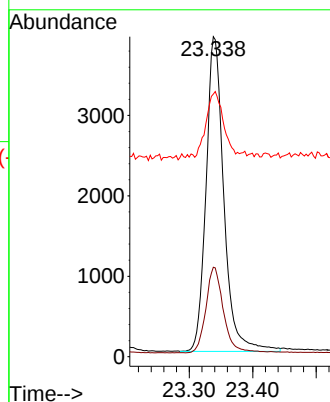
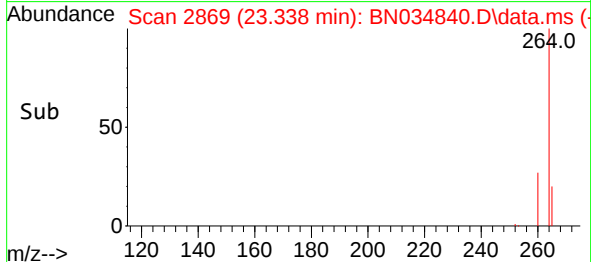
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-50-20241030



Tgt Ion:264 Resp: 7618
 Ion Ratio Lower Upper
 264 100
 260 28.0 21.5 32.3
 265 82.1 47.5 71.3

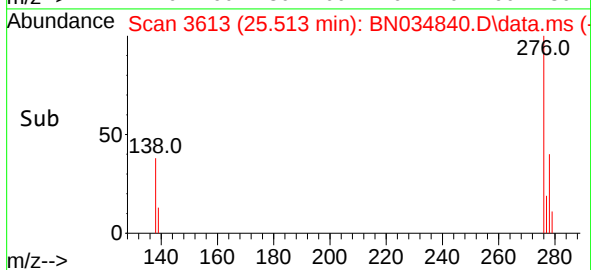
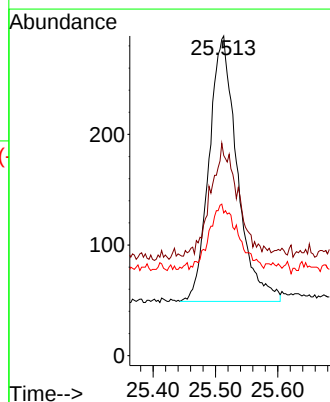
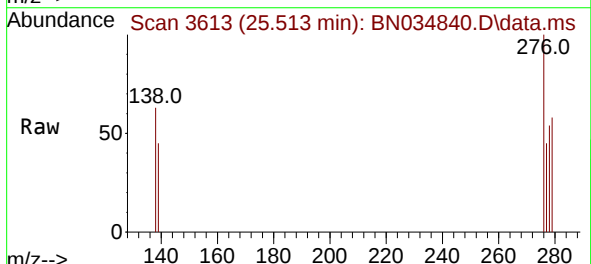
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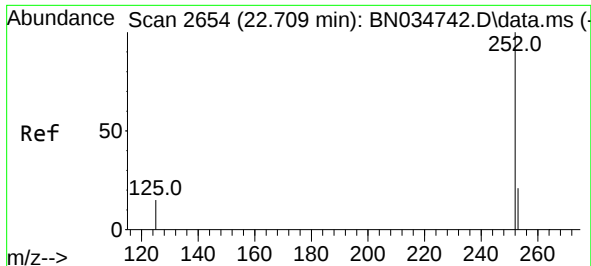
Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.027 ng
 RT: 25.513 min Scan# 3613
 Delta R.T. -0.023 min
 Lab File: BN034840.D
 Acq: 04 Nov 2024 15:31

Tgt Ion:276 Resp: 750
 Ion Ratio Lower Upper
 276 100
 138 40.8 31.5 47.3
 277 24.3 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.044 ng

RT: 22.689 min Scan# 2647

Delta R.T. -0.020 min

Lab File: BN034840.D

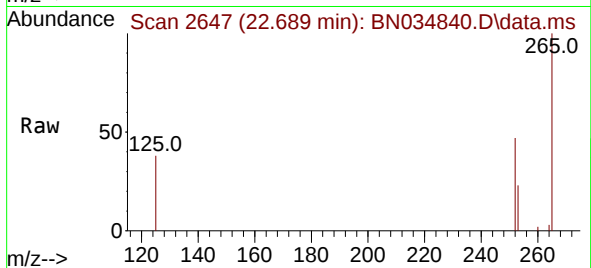
Acq: 04 Nov 2024 15:31

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-50-20241030



Tgt Ion:252 Resp: 1330

Ion Ratio Lower Upper

252 100

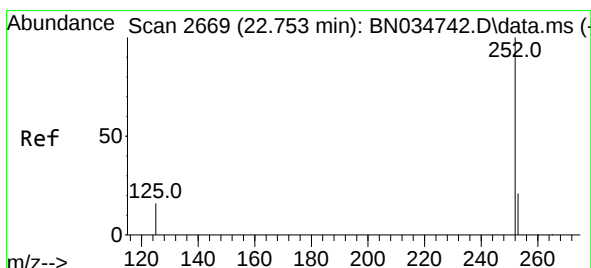
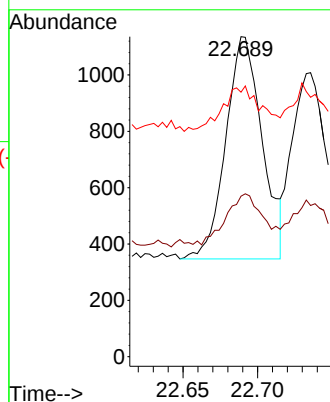
253 50.2 19.7 29.5

125 82.7 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: 0.033 ng

RT: 22.736 min Scan# 2663

Delta R.T. -0.018 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

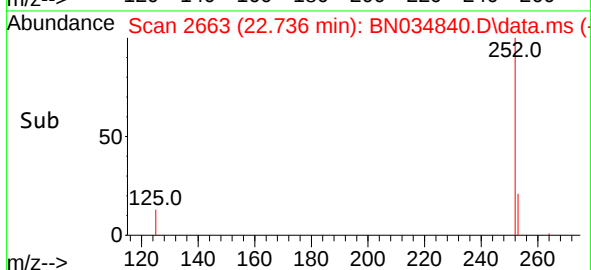
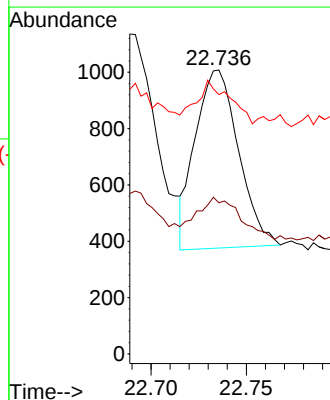
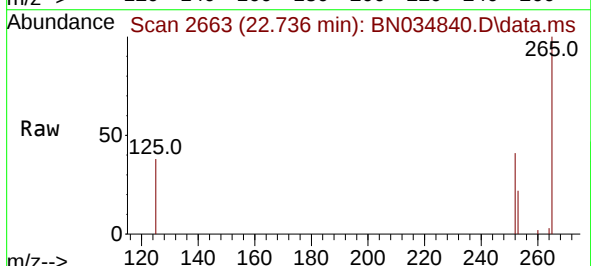
Tgt Ion:252 Resp: 998

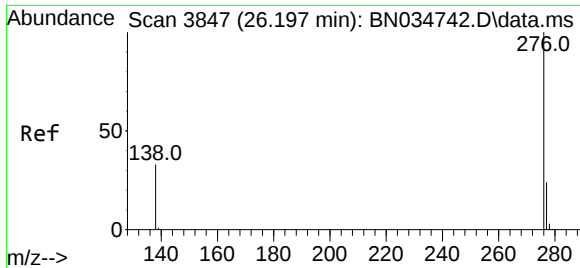
Ion Ratio Lower Upper

252 100

253 53.3 19.8 29.6#

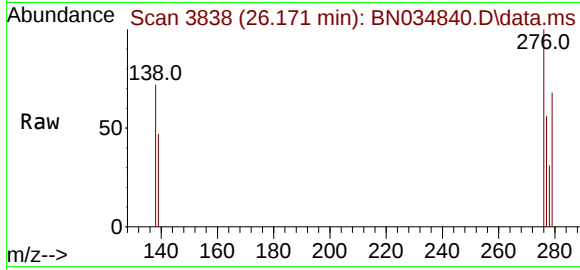
125 91.4 18.2 27.2#





#41
Benzo(g,h,i)perylene
Concen: 0.021 ng
RT: 26.171 min Scan# 3847
Delta R.T. -0.026 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

Instrument :
BNA_N
ClientSampleId :
RW5-SP201-50-20241030



Tgt Ion:276 Resp: 489
Ion Ratio Lower Upper
276 100
277 56.3 20.2 30.2
138 72.3 28.7 43.1

Manual Integrations
APPROVED

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

