

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122324\
 Data File : BN035838.D
 Acq On : 25 Dec 2024 02:16
 Operator : RC/JU
 Sample : P5376-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT205S1-20241218

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/26/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 03:17:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 19 23:06:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.257	152	3022	0.400	ng	-0.01
7) Naphthalene-d8	10.009	136	6837	0.400	ng	-0.01
13) Acenaphthene-d10	13.914	164	4139	0.400	ng	-0.02
19) Phenanthrene-d10	16.698	188	8193	0.400	ng	# 0.00
29) Chrysene-d12	20.938	240	6712	0.400	ng	#-0.02
35) Perylene-d12	23.024	264	6374	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	4.924	112	666	0.088	ng	-0.01
5) Phenol-d6	6.477	99	311	0.034	ng	-0.01
8) Nitrobenzene-d5	8.408	82	1632m	0.391	ng	0.00
11) 2-Methylnaphthalene-d10	11.616	152	3582	0.335	ng	0.00
14) 2,4,6-Tribromophenol	15.443	330	582	0.198	ng	-0.01
15) 2-Fluorobiphenyl	12.533	172	5815	0.372	ng	-0.01
27) Fluoranthene-d10	18.747	212	9424	0.406	ng	-0.01
31) Terphenyl-d14	19.375	244	7219	0.545	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.974	88	1304	0.451	ng	93
9) Naphthalene	10.052	128	3190	0.177	ng	# 93
12) 2-Methylnaphthalene	11.692	142	1988	0.154	ng	# 92
16) Acenaphthylene	13.636	152	2994	0.172	ng	98
17) Acenaphthene	13.978	154	1945	0.169	ng	99
18) Fluorene	14.994	166	2446	0.148	ng	100
25) Phenanthrene	16.736	178	4610	0.205	ng	100
26) Anthracene	16.835	178	3301	0.162	ng	99
28) Fluoranthene	18.775	202	5062	0.167	ng	99
30) Pyrene	19.142	202	5288	0.213	ng	99
32) Benzo(a)anthracene	20.929	228	3180	0.135	ng	97
33) Chrysene	20.974	228	4226	0.175	ng	98
34) Bis(2-ethylhexyl)phtha...	20.893	149	735	0.079	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.064	276	2647	0.106	ng	96
37) Benzo(b)fluoranthene	22.418	252	4473	0.192	ng	# 70
38) Benzo(k)fluoranthene	22.456	252	3695	0.161	ng	# 70
39) Benzo(a)pyrene	22.939	252	2381	0.124	ng	# 45
40) Dibenzo(a,h)anthracene	25.079	278	1748	0.089	ng	# 51
41) Benzo(g,h,i)perylene	25.667	276	2248	0.109	ng	# 81

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

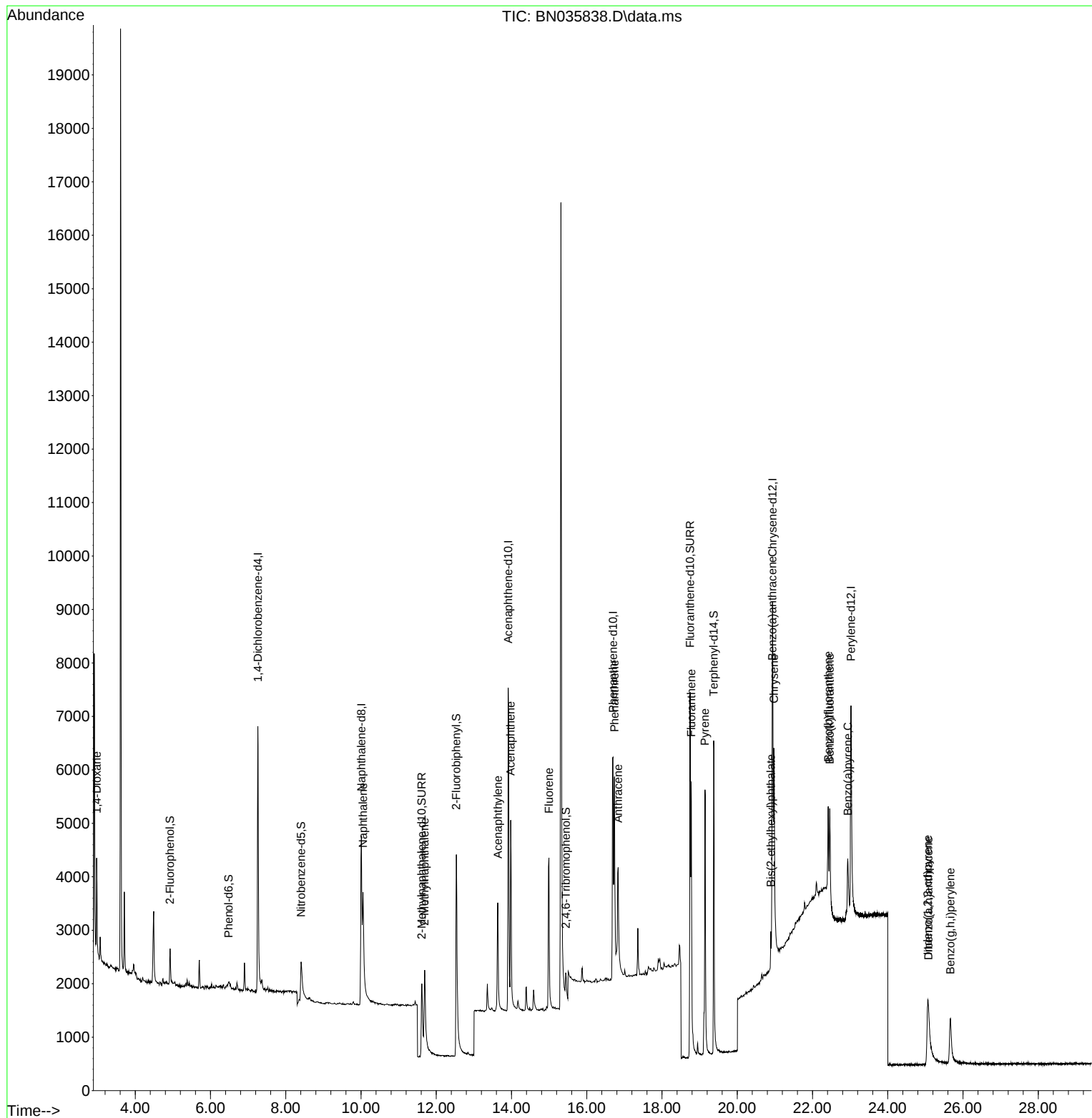
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122324\
Data File : BN035838.D
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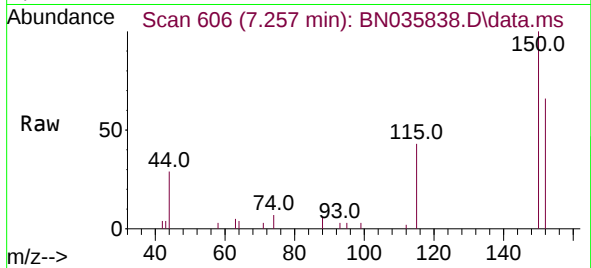
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.257 min Scan# 60
Delta R.T. -0.015 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

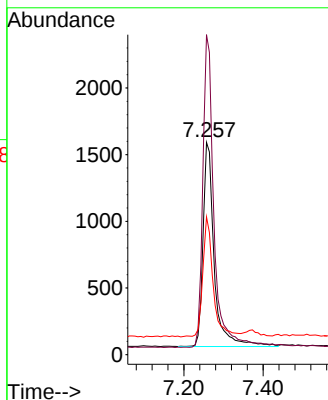
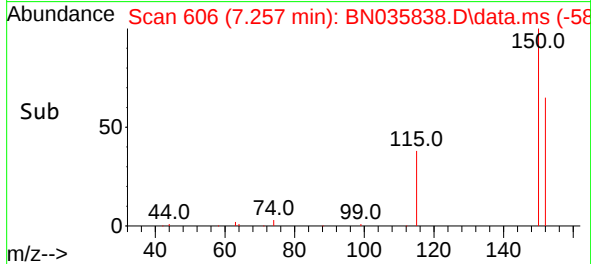
Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



Tgt Ion:152 Resp: 302
Ion Ratio Lower Upper
152 100
150 150.7 124.0 186.0
115 64.8 49.6 74.4

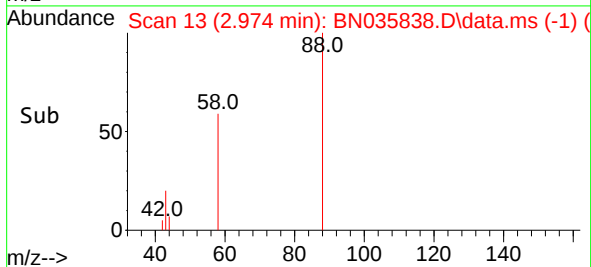
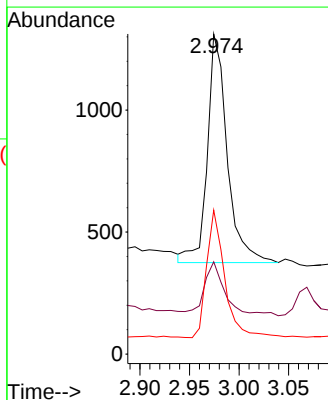
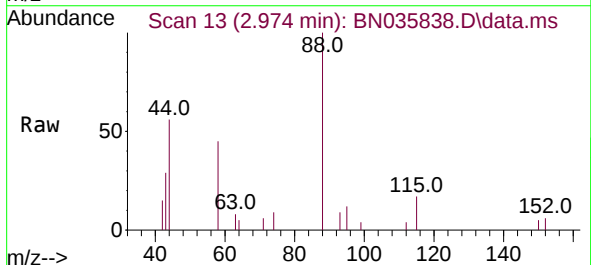
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Supervised By :mohammad ahmed 12/26/2024



#2
1,4-Dioxane
Concen: 0.451 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.007 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

Tgt Ion: 88 Resp: 1304
Ion Ratio Lower Upper
88 100
43 25.0 17.2 25.8
58 50.9 44.5 66.7





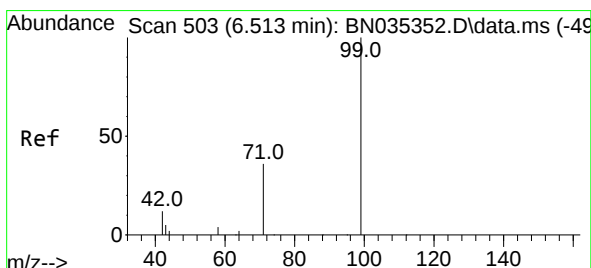
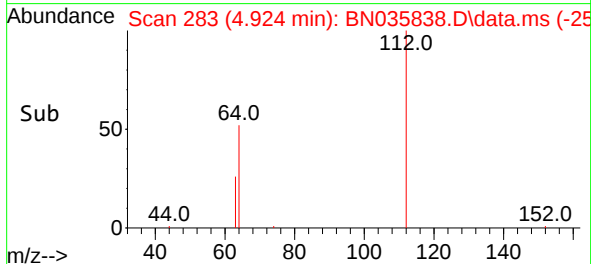
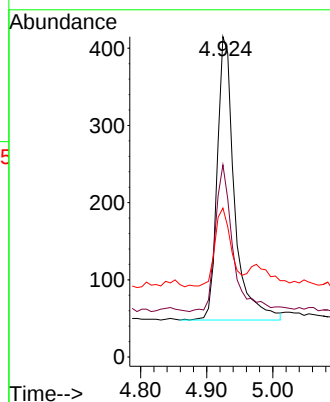
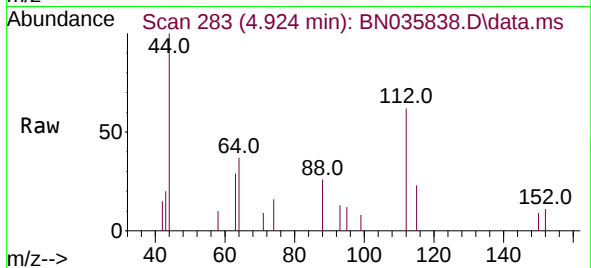
#4
2-Fluorophenol
Concen: 0.088 ng
RT: 4.924 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218

Tgt Ion:112 Resp: 660
Ion Ratio Lower Upper
112 100
64 54.1 39.8 59.8
63 25.4 21.0 31.6

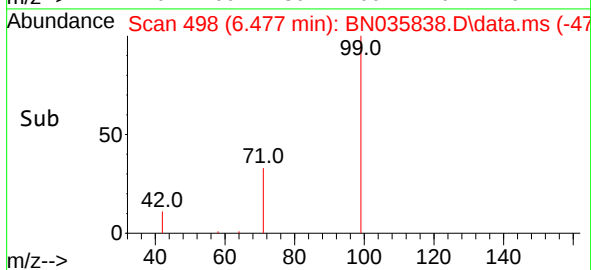
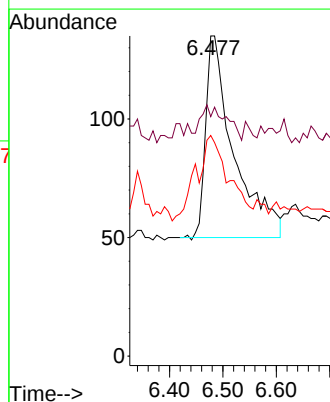
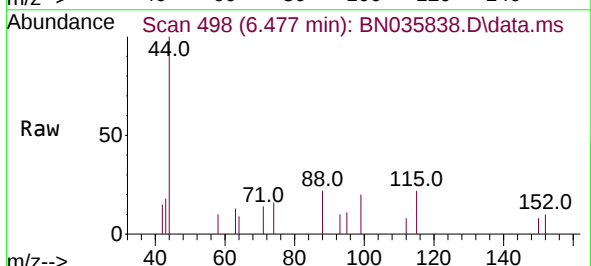
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#5
Phenol-d6
Concen: 0.034 ng
RT: 6.477 min Scan# 498
Delta R.T. -0.015 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

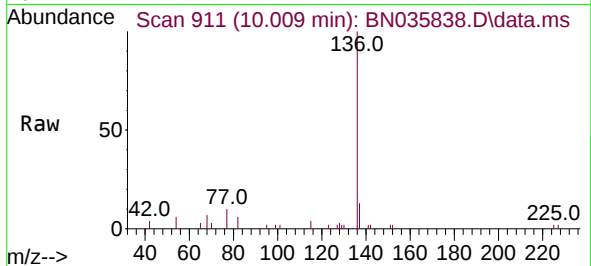
Tgt Ion: 99 Resp: 311
Ion Ratio Lower Upper
99 100
42 16.7 11.4 17.2
71 49.2 29.3 43.9#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 915
Delta R.T. -0.011 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

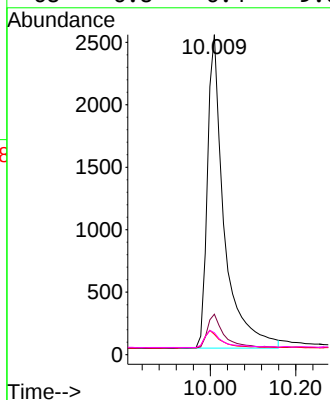
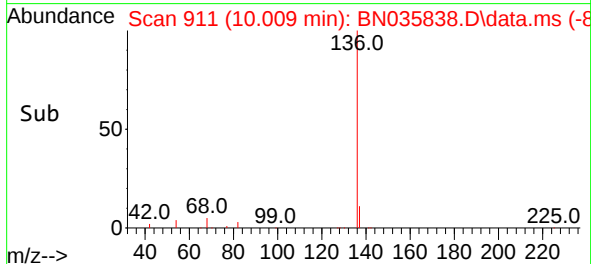
Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



Tgt Ion:	136	Resp:	683
Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.2	15.2
54	6.4	6.1	9.1
68	6.8	6.4	9.6

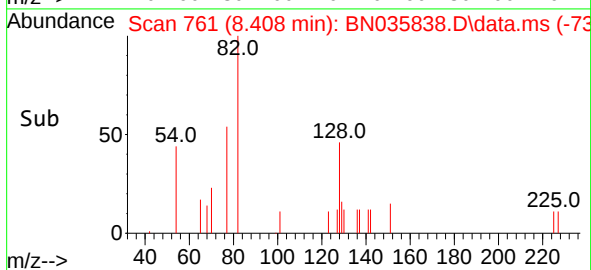
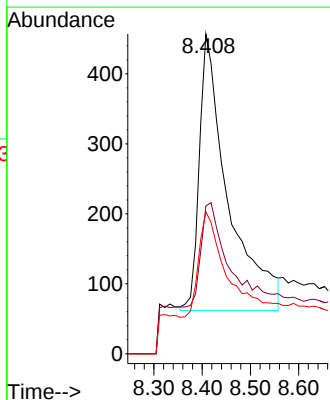
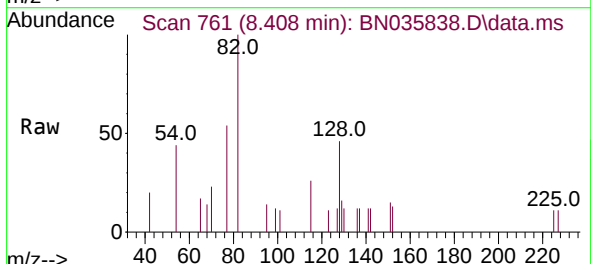
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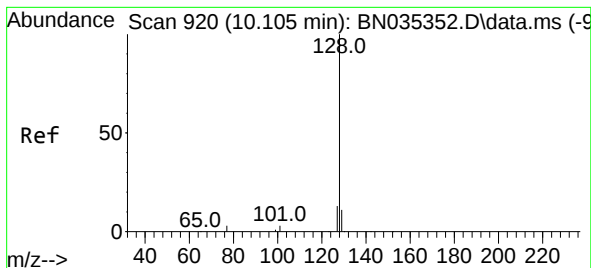
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#8
Nitrobenzene-d5
Concen: 0.391 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

Tgt Ion:	82	Resp:	1632
Ion	Ratio	Lower	Upper
82	100		
128	46.2	33.4	50.0
54	44.4	36.7	55.1





#9

Naphthalene

Concen: 0.177 ng

RT: 10.052 min Scan# 915

Delta R.T. -0.011 min

Lab File: BN035838.D

Acq: 25 Dec 2024 02:16

Instrument :

BNA_N

ClientSampleId :

TT205S1-20241218

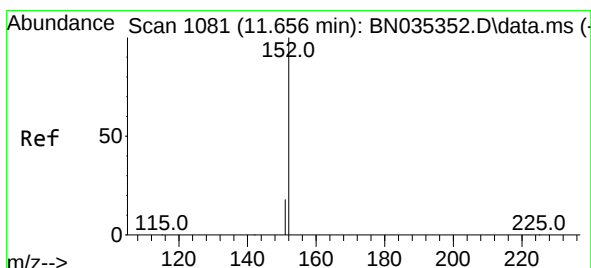
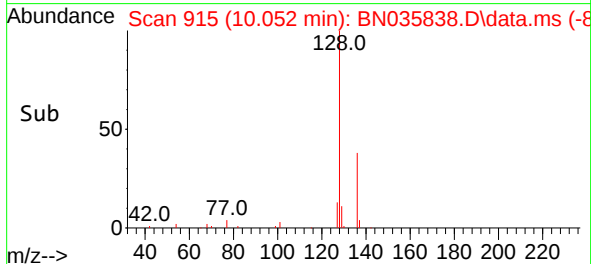
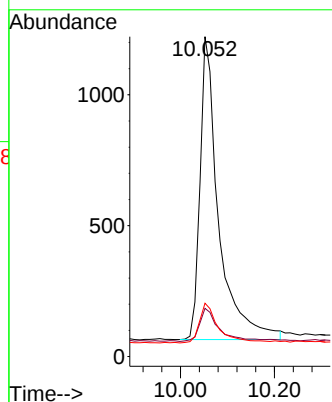
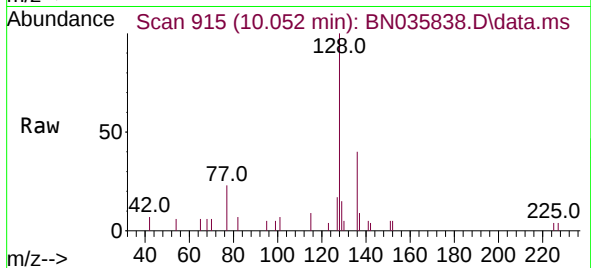
Tgt Ion:	128	Resp:	3190
Ion	Ratio	Lower	Upper
128	100		
129	15.1	9.8	14.6
127	16.7	11.4	17.2

Manual Integrations

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Supervised By :mohammad ahmed 12/26/2024



#11

2-Methylnaphthalene-d10

Concen: 0.335 ng

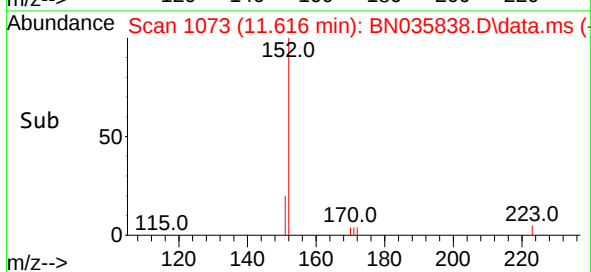
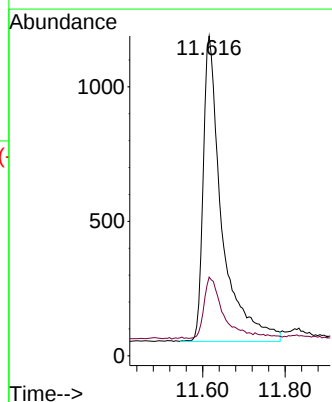
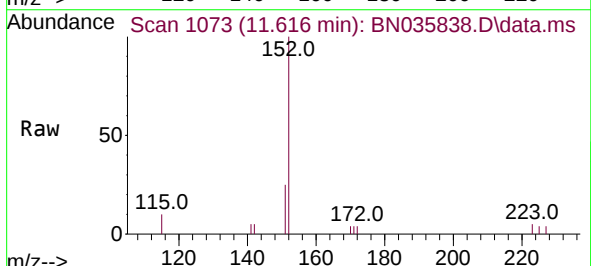
RT: 11.616 min Scan# 1073

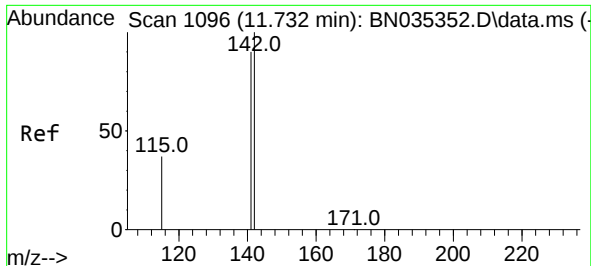
Delta R.T. -0.005 min

Lab File: BN035838.D

Acq: 25 Dec 2024 02:16

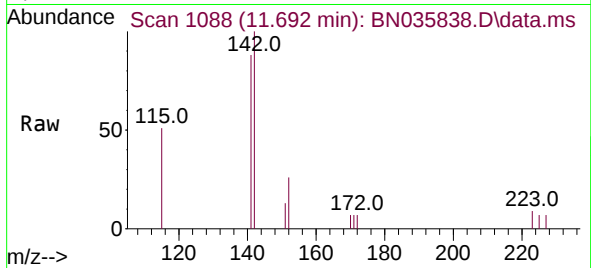
Tgt Ion:	152	Resp:	3582
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.6	25.0





#12
2-Methylnaphthalene
Concen: 0.154 ng
RT: 11.692 min Scan# 1096
Delta R.T. -0.005 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

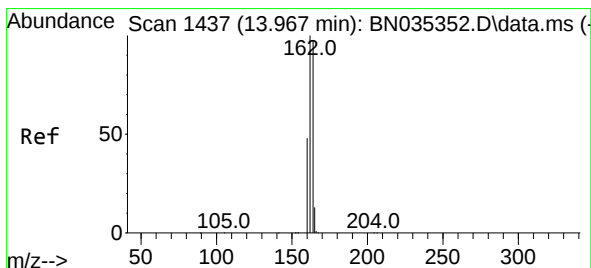
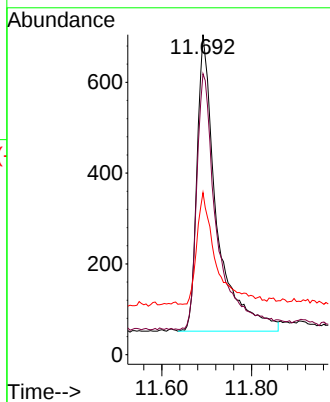
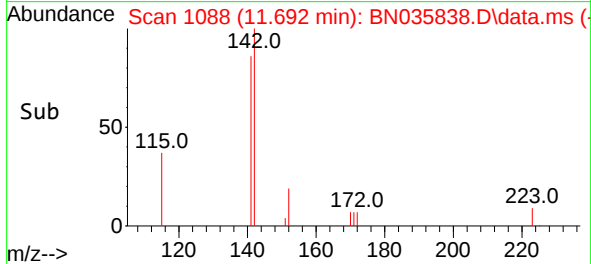
Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



Tgt Ion:142 Resp: 1988
Ion Ratio Lower Upper
142 100
141 87.8 72.2 108.4
115 50.6 31.4 47.0

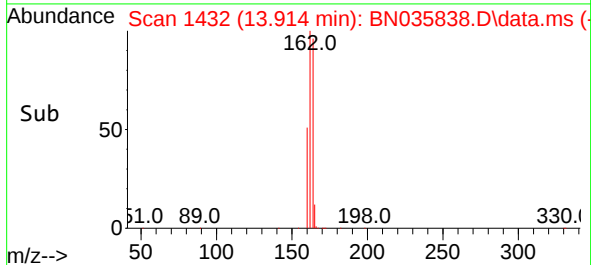
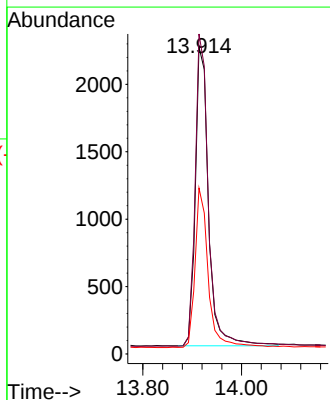
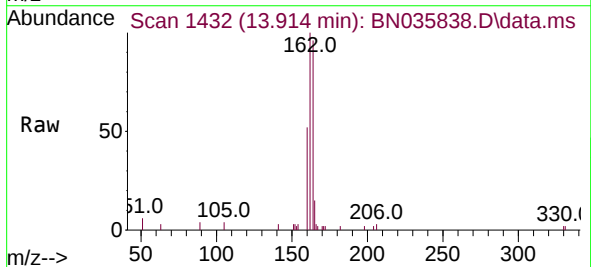
Manual Integrations
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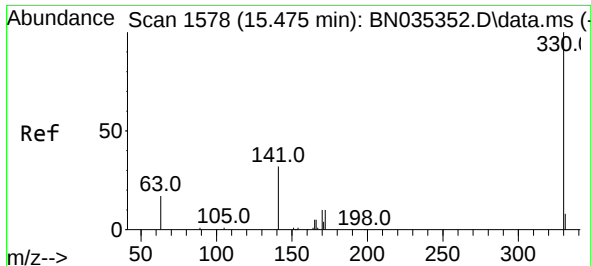
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.914 min Scan# 1432
Delta R.T. -0.021 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

Tgt Ion:164 Resp: 4139
Ion Ratio Lower Upper
164 100
162 104.2 82.2 123.2
160 54.0 40.1 60.1





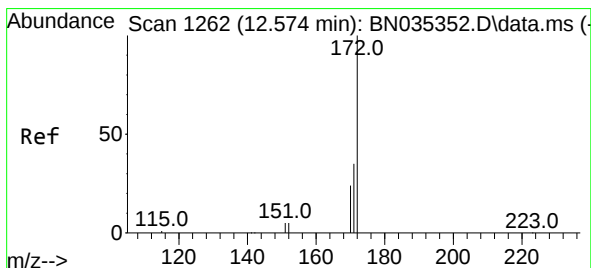
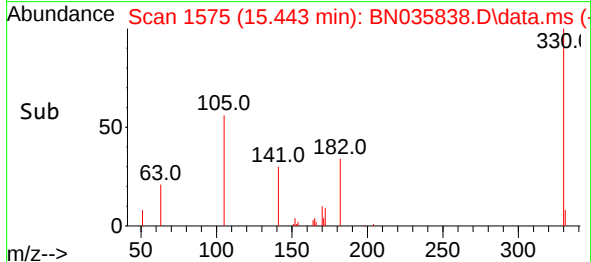
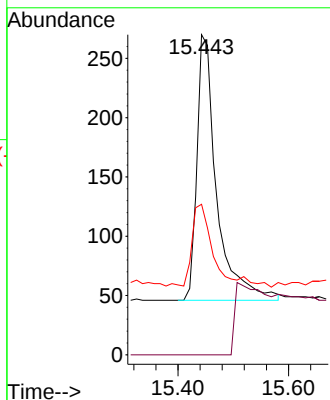
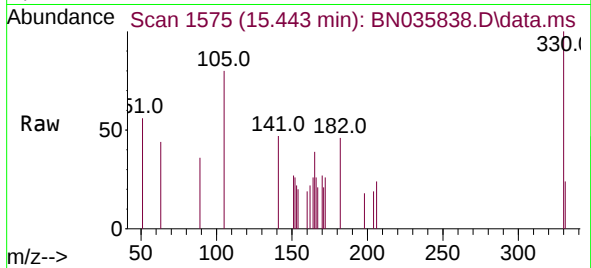
#14
2,4,6-Tribromophenol
Concen: 0.198 ng
RT: 15.443 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

Instrument :
BNA_N
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TT205S1-20241218

Tgt Ion:330 Resp: 582
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.8 26.6 40.0

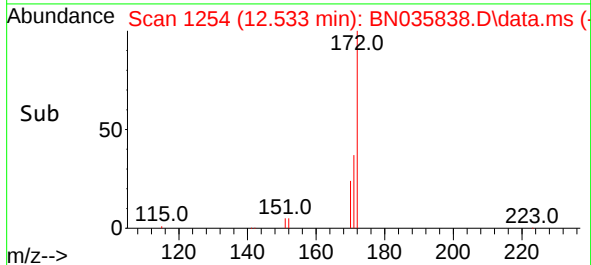
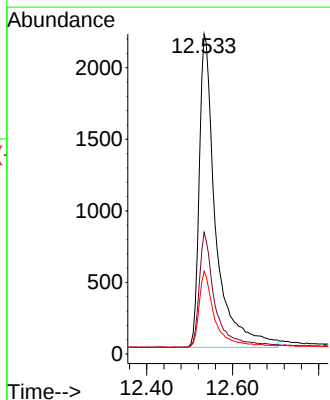
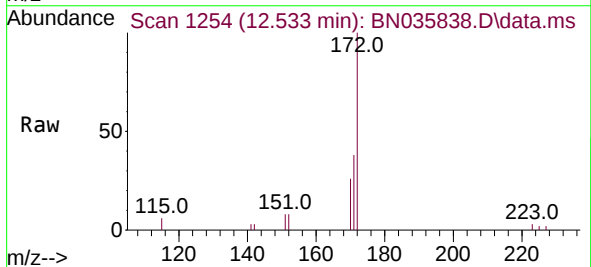
Manual Integrations
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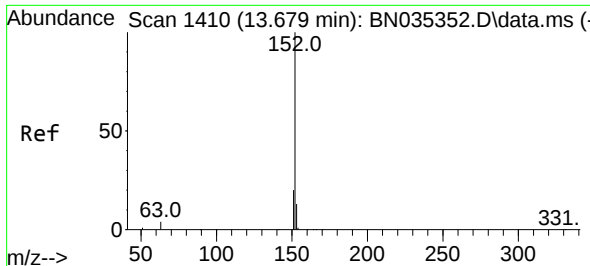
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 12.533 min Scan# 1254
Delta R.T. -0.010 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

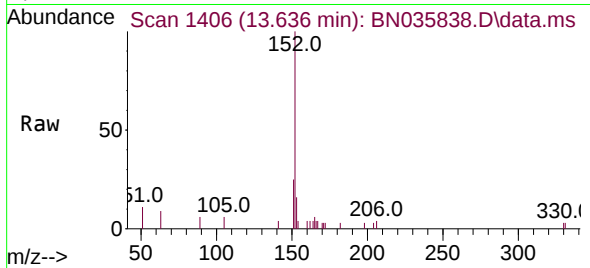
Tgt Ion:172 Resp: 5815
Ion Ratio Lower Upper
172 100
171 38.0 29.0 43.4
170 25.8 19.8 29.8





#16
Acenaphthylene
Concen: 0.172 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

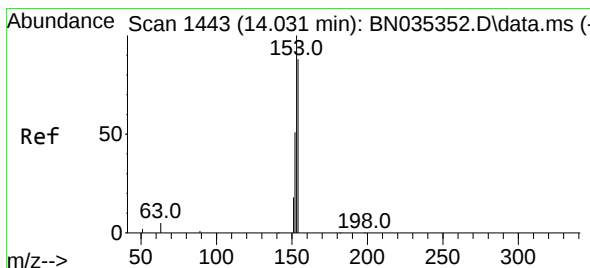
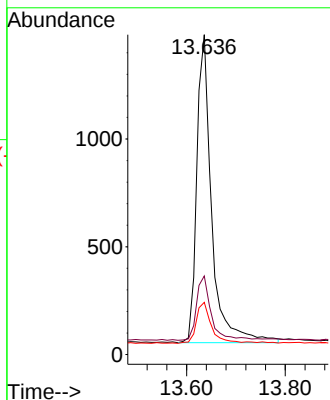
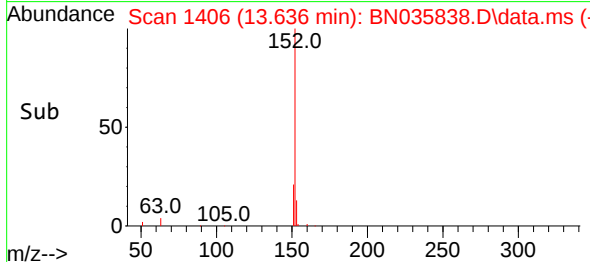
Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



Tgt Ion:152 Resp: 2994
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.2
153 13.4 10.4 15.6

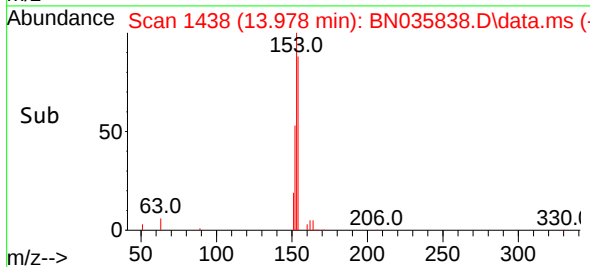
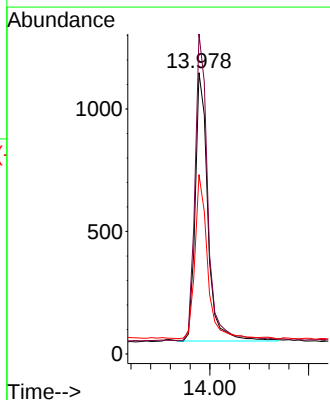
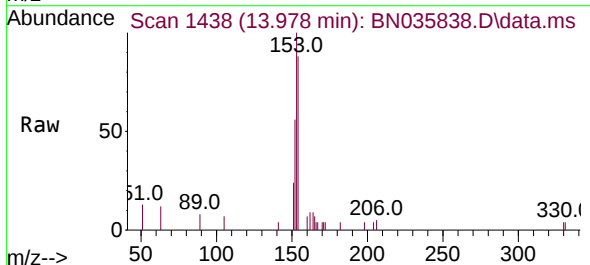
Manual Integrations
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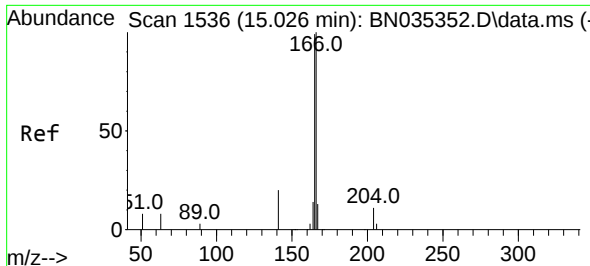
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#17
Acenaphthene
Concen: 0.169 ng
RT: 13.978 min Scan# 1438
Delta R.T. -0.021 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

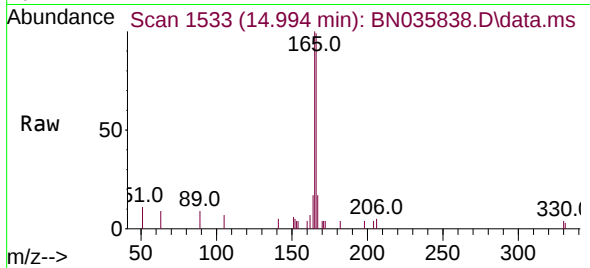
Tgt Ion:154 Resp: 1945
Ion Ratio Lower Upper
154 100
153 115.0 92.6 139.0
152 60.1 49.0 73.6





#18
Fluorene
Concen: 0.148 ng
RT: 14.994 min Scan# 1536
Delta R.T. -0.011 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

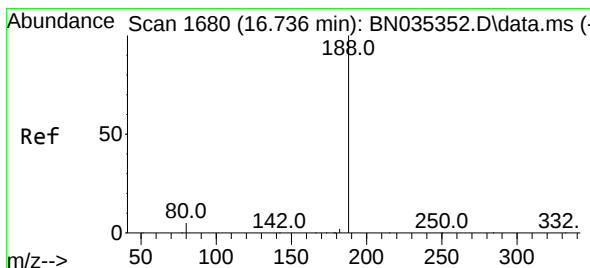
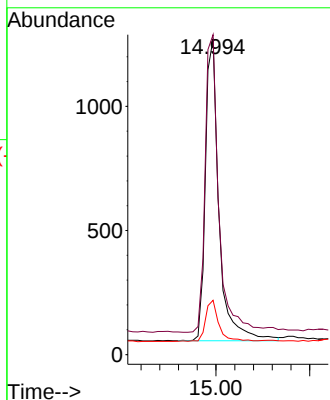
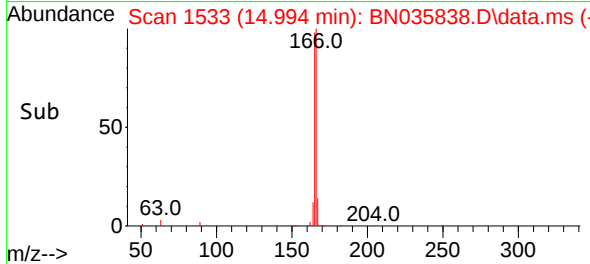
Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



Tgt Ion:166 Resp: 2440
Ion Ratio Lower Upper
166 100
165 100.0 79.7 119.5
167 13.4 10.8 16.2

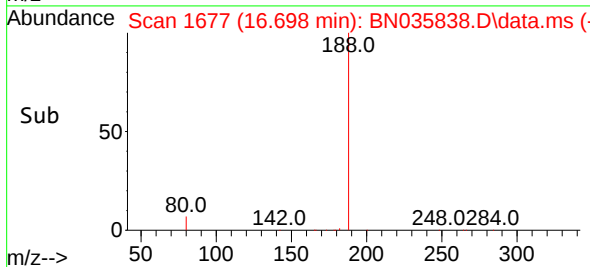
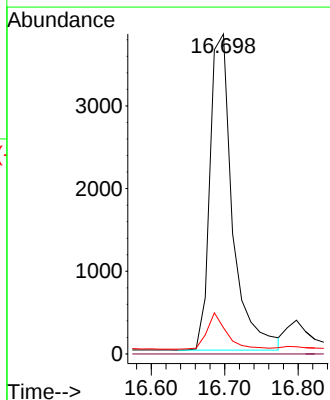
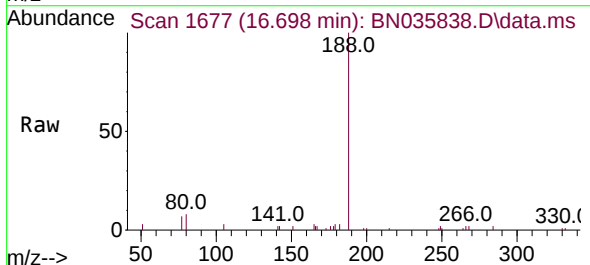
Manual Integrations
APPROVED

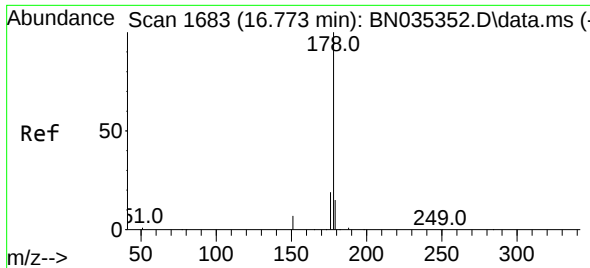
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

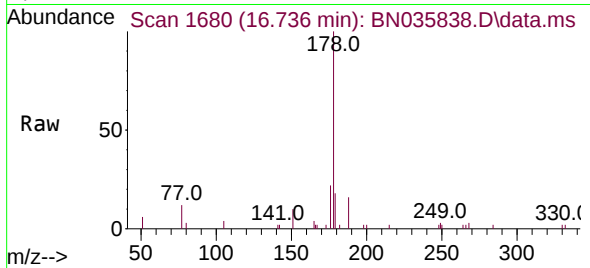
Tgt Ion:188 Resp: 8193
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.2 4.6 6.8





#25
Phenanthrene
Concen: 0.205 ng
RT: 16.736 min Scan# 1680
Delta R.T. -0.013 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

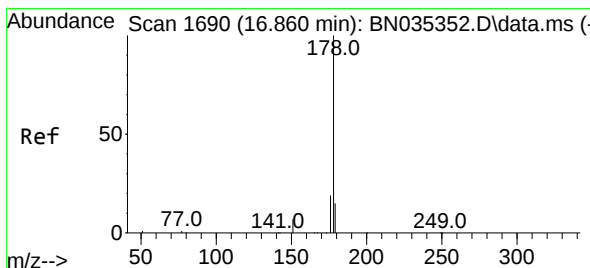
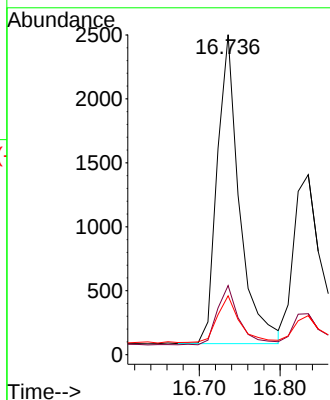
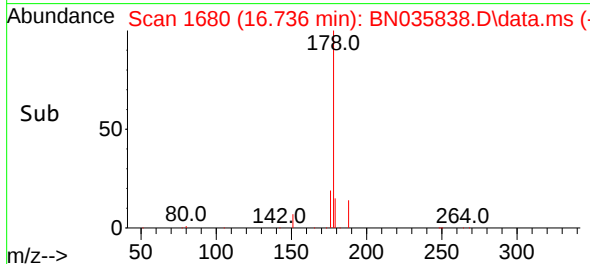
Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



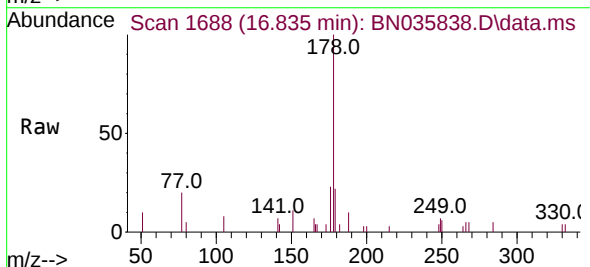
Tgt Ion:178 Resp: 4610
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.3 12.3 18.5

Manual Integrations
APPROVED

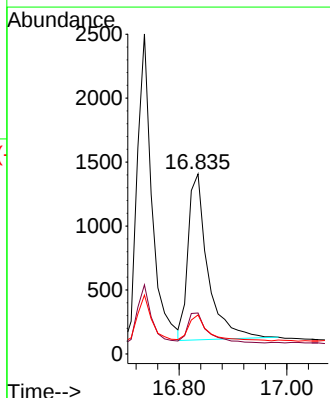
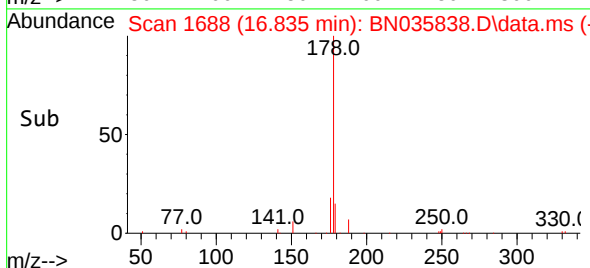
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

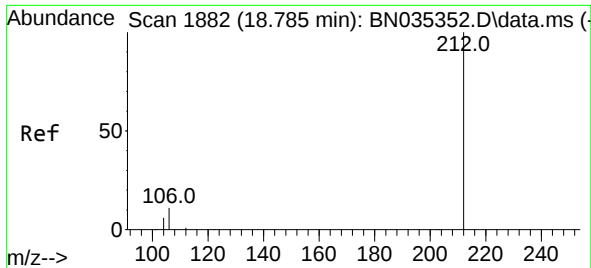


#26
Anthracene
Concen: 0.162 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16



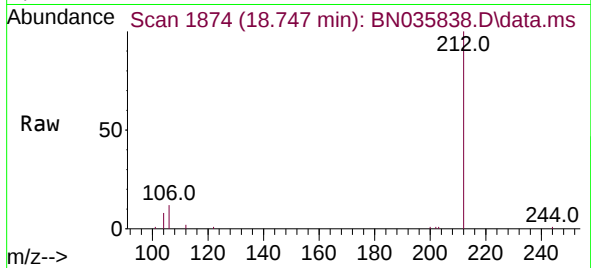
Tgt Ion:178 Resp: 3301
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.6
179 15.9 12.6 18.8





#27
Fluoranthene-d10
Concen: 0.406 ng
RT: 18.747 min Scan# 1874
Delta R.T. -0.014 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

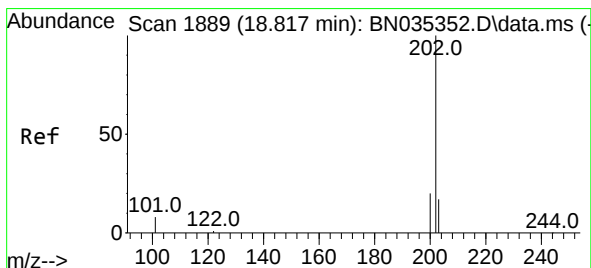
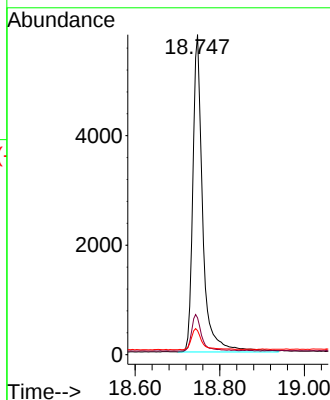
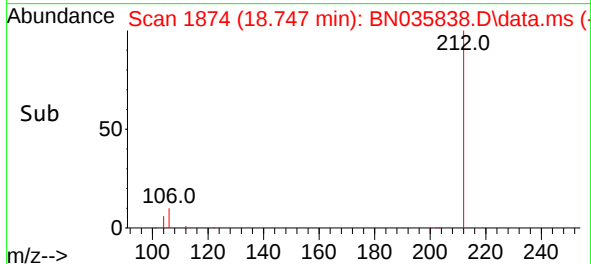
Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



Tgt Ion:212 Resp: 9424
Ion Ratio Lower Upper
212 100
106 11.7 9.2 13.8
104 7.2 5.3 7.9

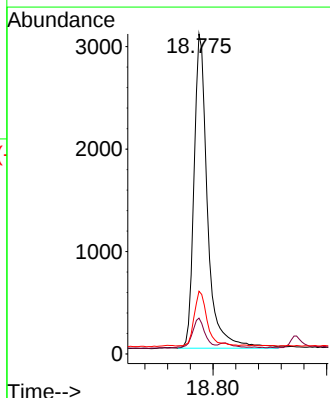
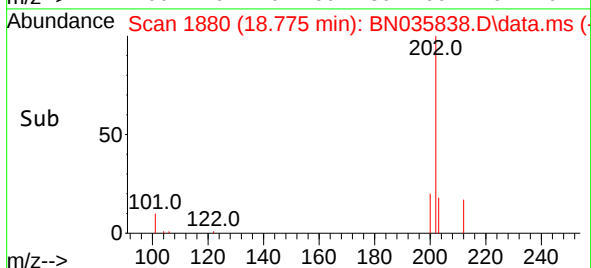
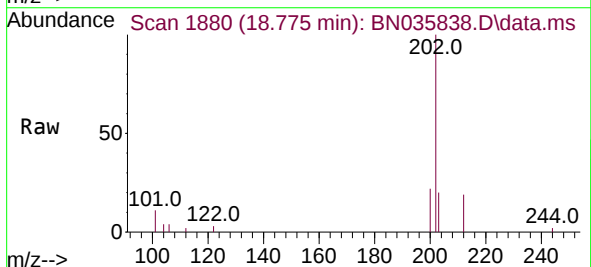
Manual Integrations
APPROVED

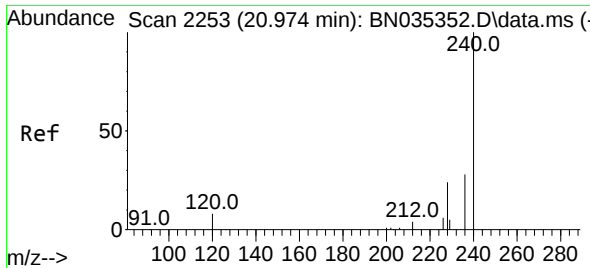
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#28
Fluoranthene
Concen: 0.167 ng
RT: 18.775 min Scan# 1880
Delta R.T. -0.014 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

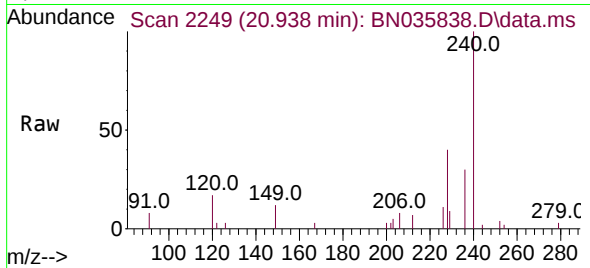
Tgt Ion:202 Resp: 5062
Ion Ratio Lower Upper
202 100
101 8.9 7.4 11.0
203 16.8 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.938 min Scan# 2111
Delta R.T. -0.018 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

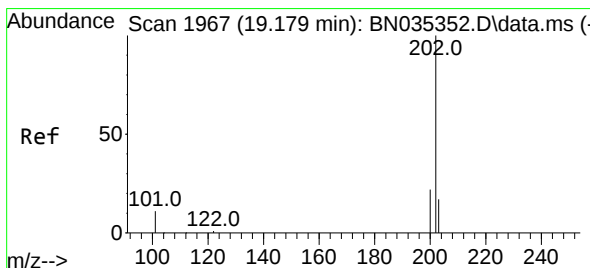
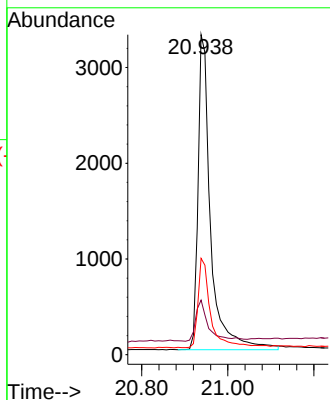
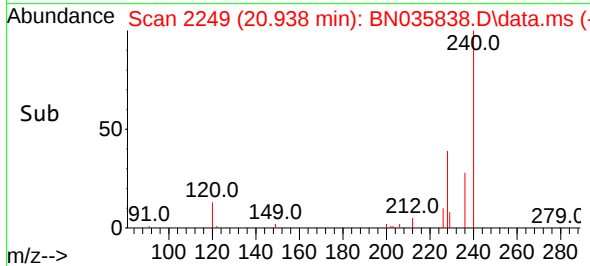
Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



Tgt Ion:240 Resp: 6712
Ion Ratio Lower Upper
240 100
120 17.1 7.9 11.9
236 30.1 22.9 34.3

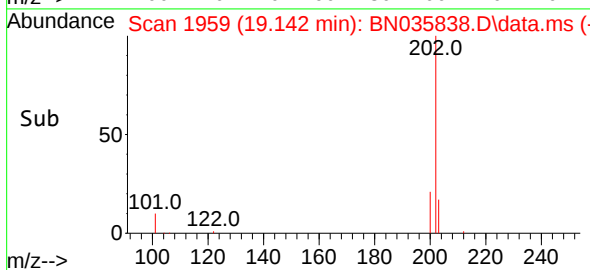
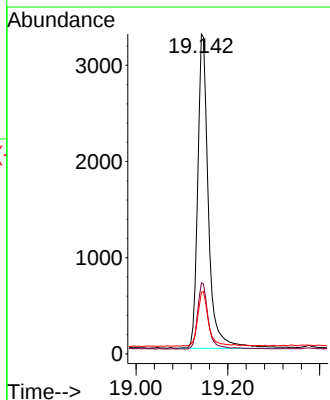
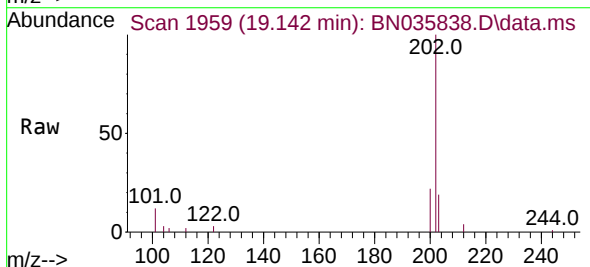
Manual Integrations
APPROVED

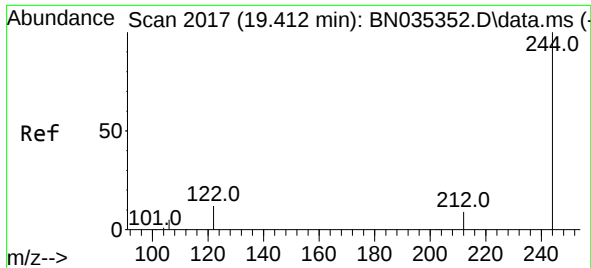
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#30
Pyrene
Concen: 0.213 ng
RT: 19.142 min Scan# 1959
Delta R.T. -0.019 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

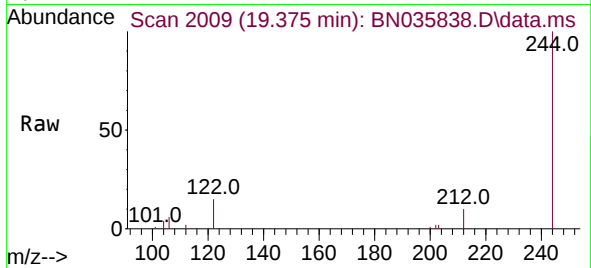
Tgt Ion:202 Resp: 5288
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.2 14.3 21.5





#31
 Terphenyl-d14
 Concen: 0.545 ng
 RT: 19.375 min Scan# 2017
 Delta R.T. -0.014 min
 Lab File: BN035838.D
 Acq: 25 Dec 2024 02:16

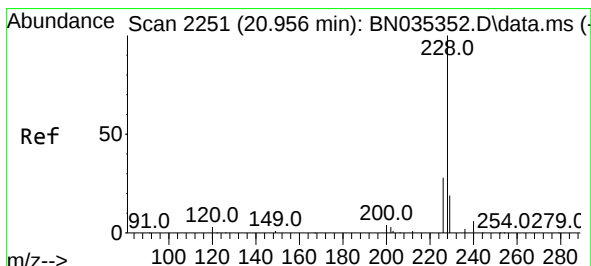
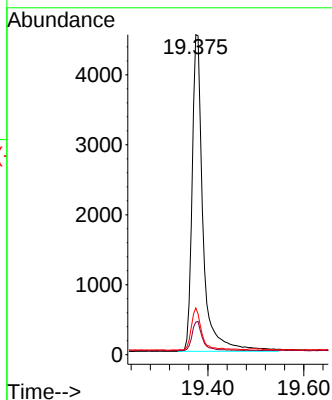
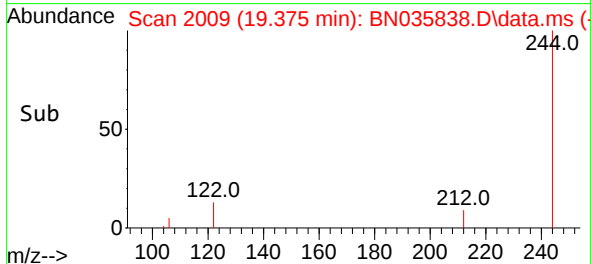
Instrument :
 BNA_N
 ClientSampleId :
 TT205S1-20241218



Tgt Ion:244 Resp: 7219
 Ion Ratio Lower Upper
 244 100
 212 10.1 8.1 12.1
 122 14.6 10.3 15.5

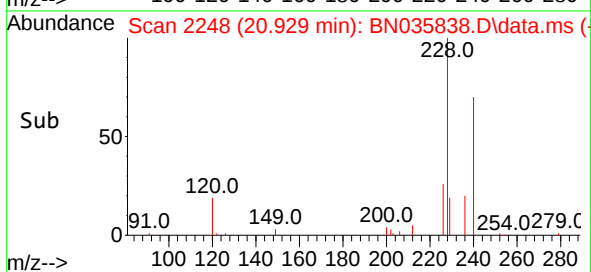
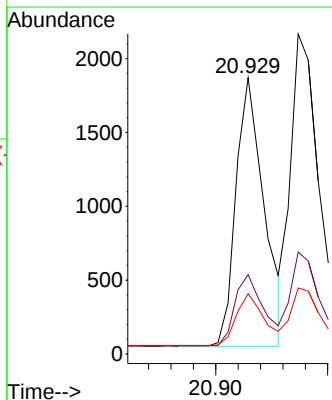
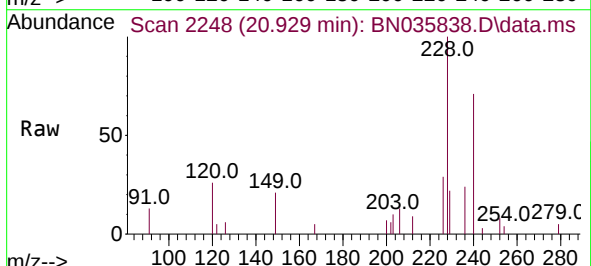
Manual Integrations
 APPROVED

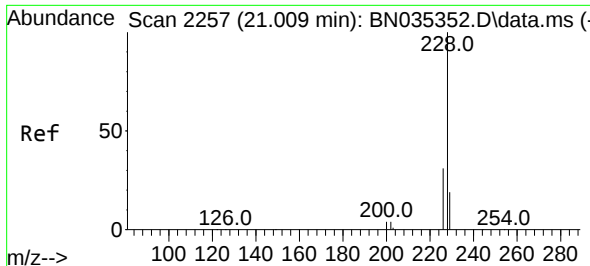
Reviewed By :Yogesh Patel 12/26/2024
 Supervised By :mohammad ahmed 12/26/2024



#32
 Benzo(a)anthracene
 Concen: 0.135 ng
 RT: 20.929 min Scan# 2248
 Delta R.T. -0.009 min
 Lab File: BN035838.D
 Acq: 25 Dec 2024 02:16

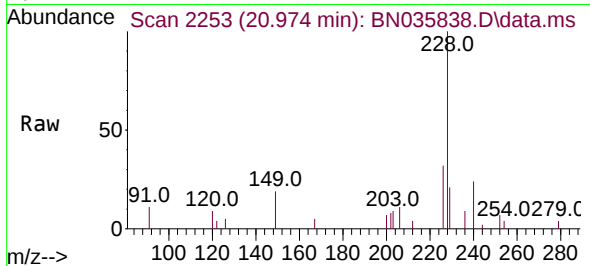
Tgt Ion:228 Resp: 3180
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.5 33.7
 229 21.8 15.8 23.8





#33
Chrysene
Concen: 0.175 ng
RT: 20.974 min Scan# 2105
Delta R.T. -0.018 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

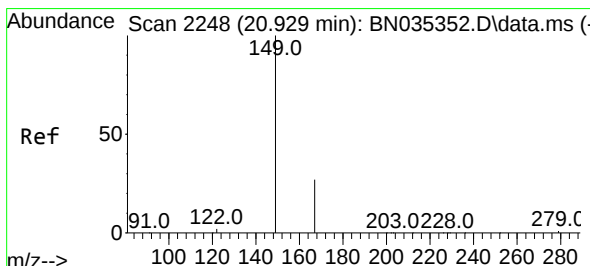
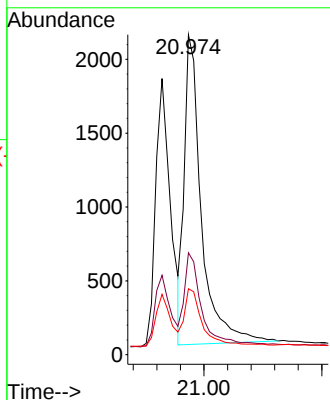
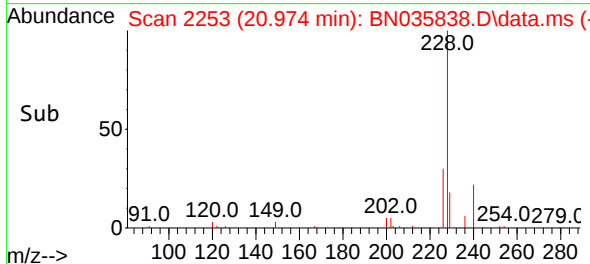
Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



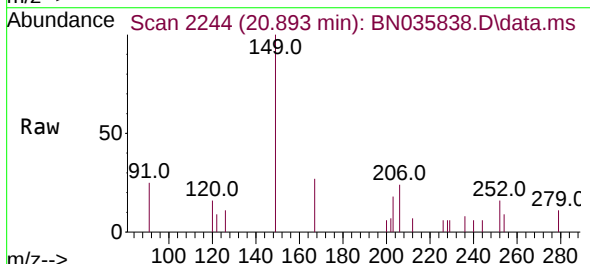
Tgt Ion:228 Resp: 4220
Ion Ratio Lower Upper
228 100
226 31.8 24.6 37.0
229 20.6 15.9 23.9

Manual Integrations
APPROVED

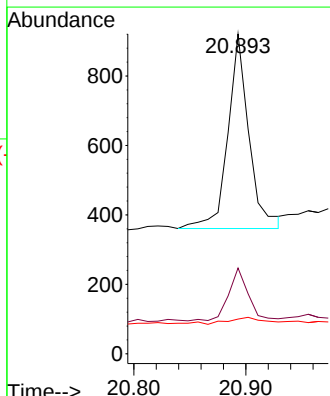
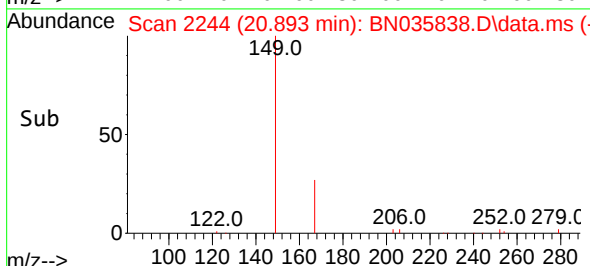
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

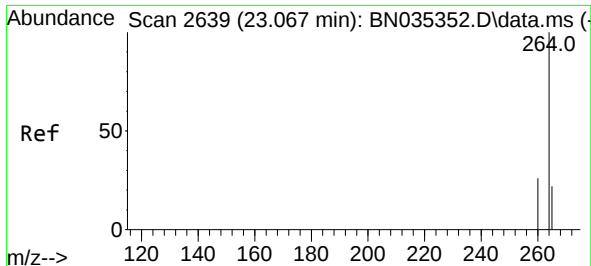


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.079 ng
RT: 20.893 min Scan# 2244
Delta R.T. -0.018 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16



Tgt Ion:149 Resp: 735
Ion Ratio Lower Upper
149 100
167 25.4 22.2 33.4
279 5.3 2.7 4.1#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.024 min Scan# 2624

Delta R.T. -0.018 min

Lab File: BN035838.D

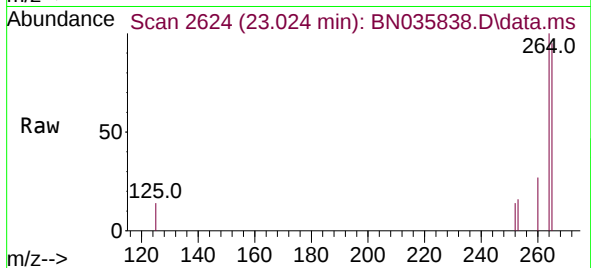
Acq: 25 Dec 2024 02:16

Instrument :

BNA_N

ClientSampleId :

TT205S1-20241218



Tgt Ion:264 Resp: 6374

Ion Ratio Lower Upper

264 100

260 27.0 21.4 32.2

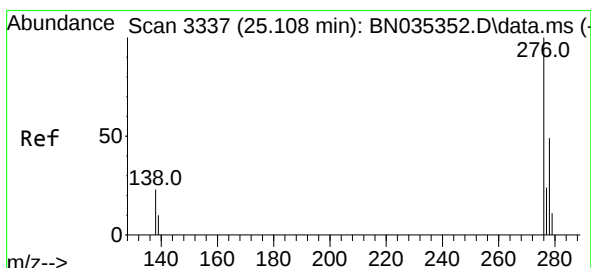
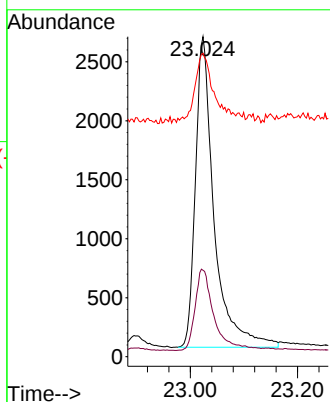
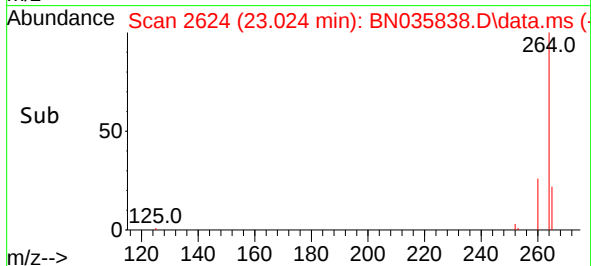
265 94.8 40.2 60.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/26/2024

Supervised By :mohammad ahmed 12/26/2024



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.106 ng

RT: 25.064 min Scan# 3322

Delta R.T. -0.003 min

Lab File: BN035838.D

Acq: 25 Dec 2024 02:16

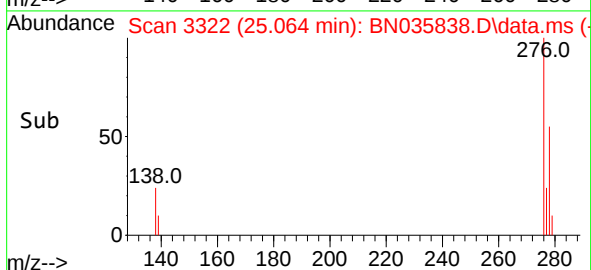
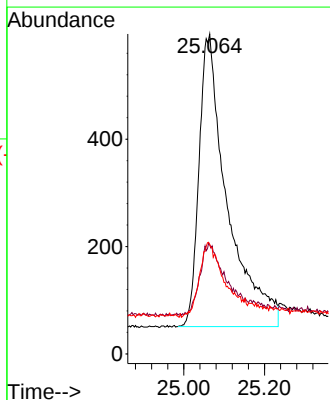
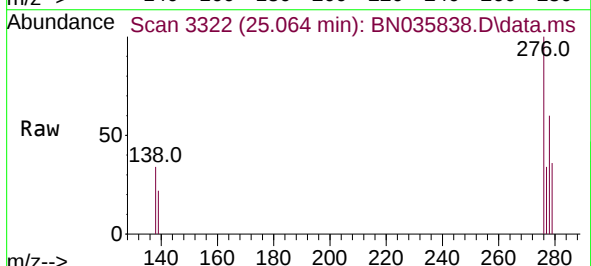
Tgt Ion:276 Resp: 2647

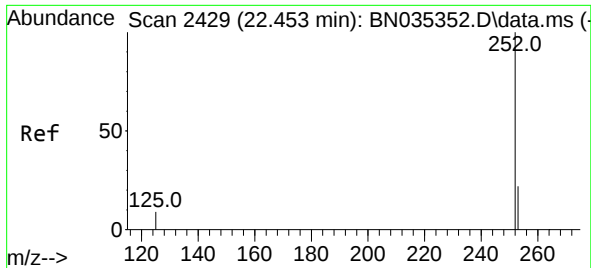
Ion Ratio Lower Upper

276 100

138 22.2 19.4 29.0

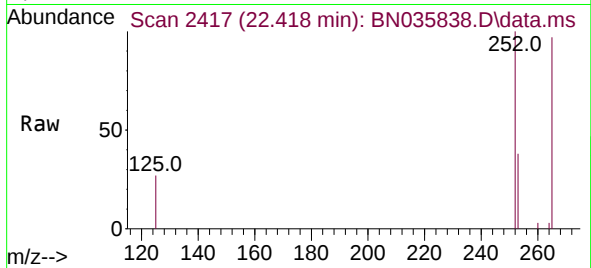
277 23.2 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 0.192 ng
RT: 22.418 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

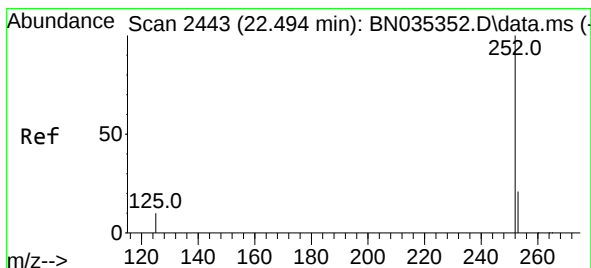
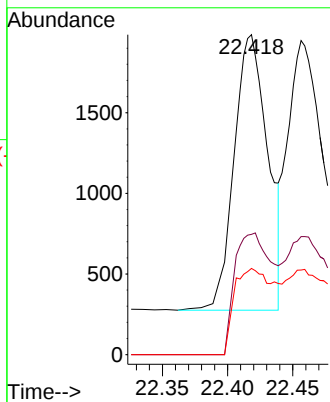
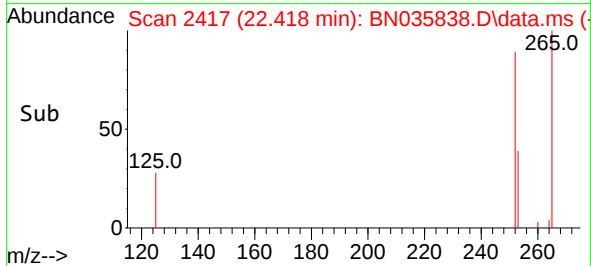
Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



Tgt Ion:252 Resp: 447
Ion Ratio Lower Upper
252 100
253 37.6 19.6 29.4#
125 26.9 9.6 14.4#

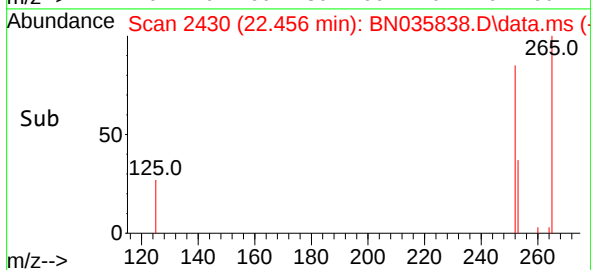
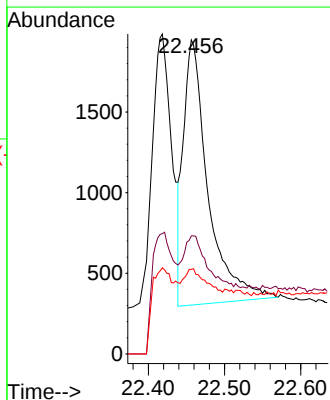
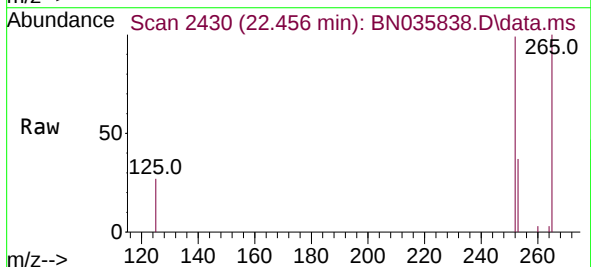
Manual Integrations
APPROVED

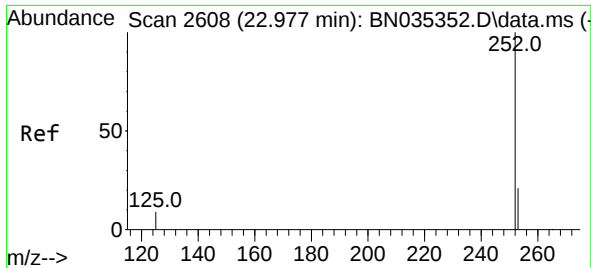
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#38
Benzo(k)fluoranthene
Concen: 0.161 ng
RT: 22.456 min Scan# 2430
Delta R.T. -0.015 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

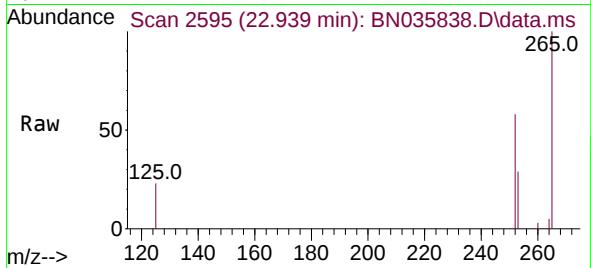
Tgt Ion:252 Resp: 3695
Ion Ratio Lower Upper
252 100
253 37.6 19.5 29.3#
125 26.9 10.2 15.4#





#39
Benzo(a)pyrene
Concen: 0.124 ng
RT: 22.939 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

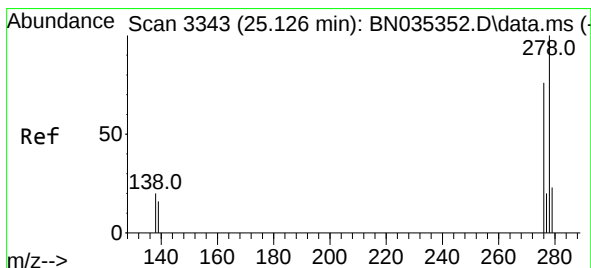
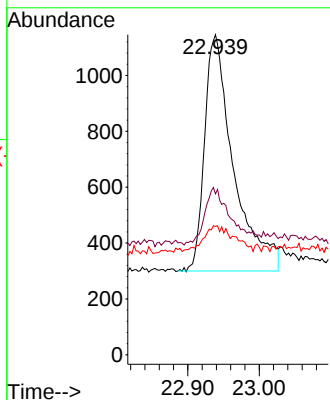
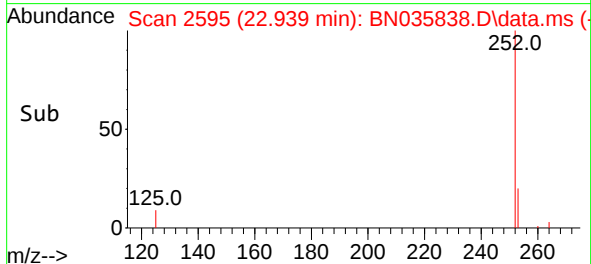
Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



Tgt Ion:252 Resp: 238
Ion Ratio Lower Upper
252 100
253 50.3 20.2 30.4
125 40.1 10.9 16.3

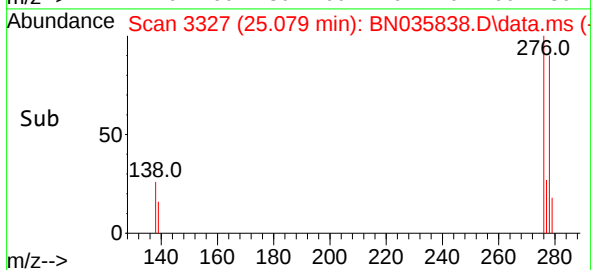
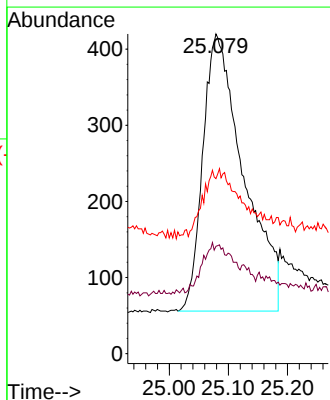
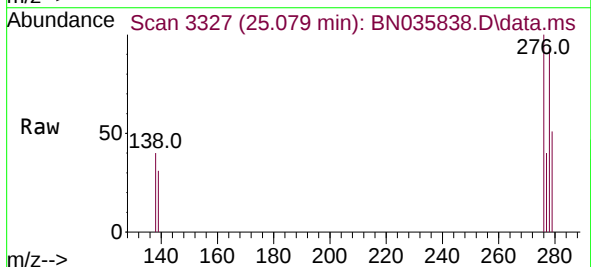
Manual Integrations
APPROVED

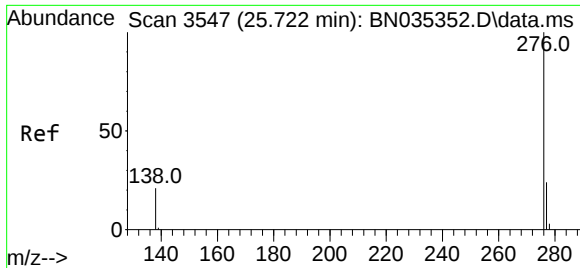
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#40
Dibenzo(a,h)anthracene
Concen: 0.089 ng
RT: 25.079 min Scan# 3327
Delta R.T. -0.003 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

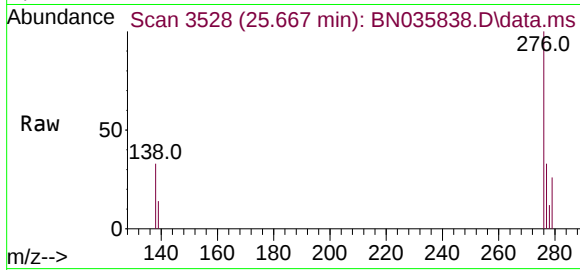
Tgt Ion:278 Resp: 1748
Ion Ratio Lower Upper
278 100
139 33.6 14.2 21.4#
279 54.8 20.5 30.7#





#41
Benzo(g,h,i)perylene
Concen: 0.109 ng
RT: 25.667 min Scan# 30
Delta R.T. -0.012 min
Lab File: BN035838.D
Acq: 25 Dec 2024 02:16

Instrument :
BNA_N
ClientSampleId :
TT205S1-20241218



Tgt Ion: 276 Resp: 224

Ion	Ratio	Lower	Upper
276	100		
277	33.4	19.9	29.9
138	32.6	17.8	26.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

