

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120924\
 Data File : BN035503.D
 Acq On : 09 Dec 2024 12:52
 Operator : RC/JU
 Sample : P5142-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TOWER-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/11/2024
 Supervised By :mohammad ahmed 12/11/2024

Quant Time: Dec 09 13:27:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.300	152	2555	0.400	ng	0.00
7) Naphthalene-d8	10.041	136	7813	0.400	ng	-0.01
13) Acenaphthene-d10	13.957	164	6050	0.400	ng	-0.01
19) Phenanthrene-d10	16.723	188	13058	0.400	ng	#-0.01
29) Chrysene-d12	20.965	240	11506	0.400	ng	# 0.00
35) Perylene-d12	23.056	264	10509	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.960	112	893	0.140	ng	0.00
5) Phenol-d6	6.506	99	867	0.113	ng	0.00
8) Nitrobenzene-d5	8.429	82	2122m	0.445	ng	-0.01
11) 2-Methylnaphthalene-d10	11.641	152	5007	0.409	ng	-0.02
14) 2,4,6-Tribromophenol	15.464	330	1610	0.375	ng	-0.01
15) 2-Fluorobiphenyl	12.564	172	8694	0.380	ng	-0.01
27) Fluoranthene-d10	18.775	212	15522	0.419	ng	0.00
31) Terphenyl-d14	19.402	244	12958	0.571	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.996	88	375	0.154	ng	# 73
9) Naphthalene	10.095	128	808	0.039	ng	# 69
24) Pentachlorophenol	16.376	266	214	0.055	ng	# 64
25) Phenanthrene	16.760	178	1028	0.029	ng	# 65
28) Fluoranthene	18.803	202	1599	0.033	ng	# 86
30) Pyrene	19.170	202	1242	0.029	ng	# 85
32) Benzo(a)anthracene	20.947	228	1008	0.025	ng	# 37
33) Chrysene	21.000	228	1094	0.026	ng	# 50
34) Bis(2-ethylhexyl)phtha...	20.920	149	7732	0.486	ng	# 74
36) Indeno(1,2,3-cd)pyrene	25.091	276	876	0.021	ng	98
37) Benzo(b)fluoranthene	22.445	252	1285	0.033	ng	# 1
38) Benzo(k)fluoranthene	22.486	252	1023	0.027	ng	# 1
41) Benzo(g,h,i)perylene	25.707	276	685	0.020	ng	# 22

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

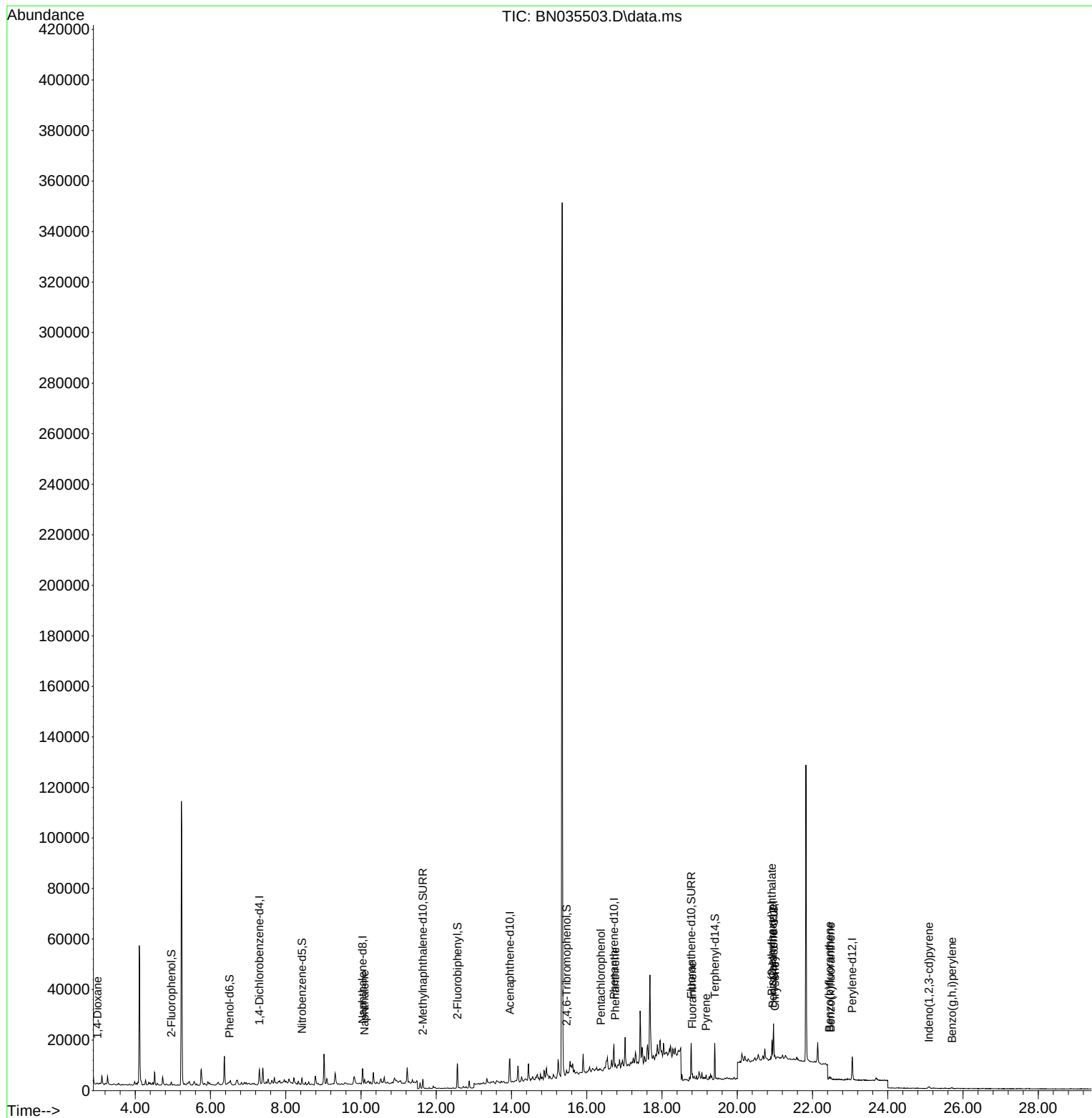
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120924\
Data File : BN035503.D
Acq On : 09 Dec 2024 12:52
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ALS Vial : 5 Sample Multiplier: 1

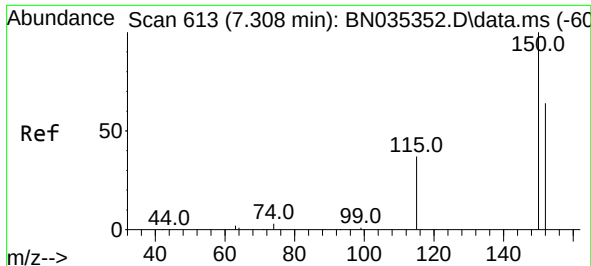
Instrument :
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Quant Time: Dec 09 13:27:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
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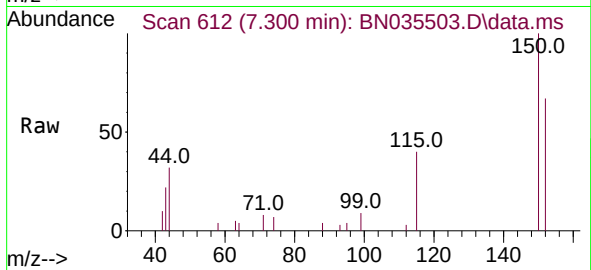
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.300 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

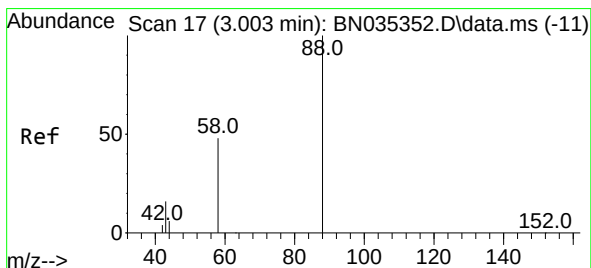
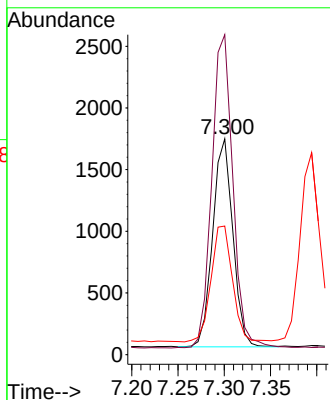
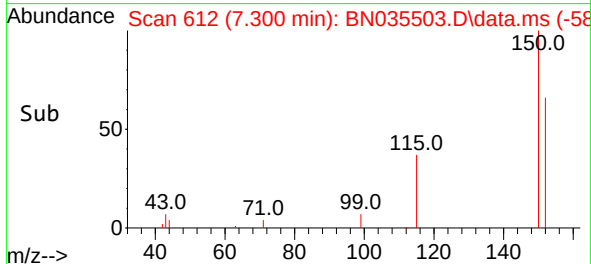
Instrument :
BNA_N
ClientSampleId :
TOWER-2



Tgt Ion:152 Resp: 255
Ion Ratio Lower Upper
152 100
150 148.2 124.0 186.0
115 59.6 49.6 74.4

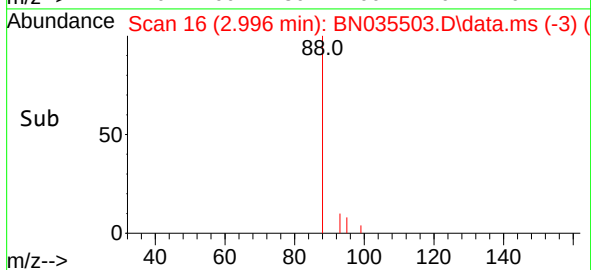
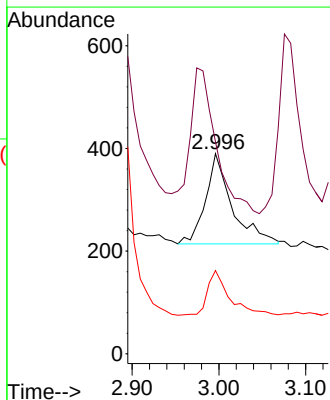
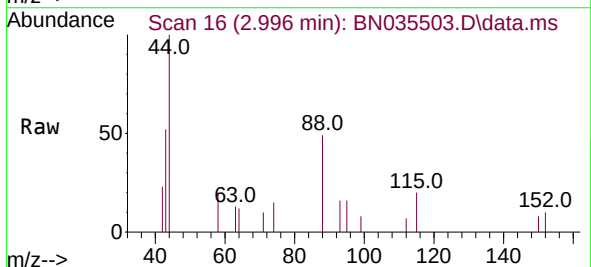
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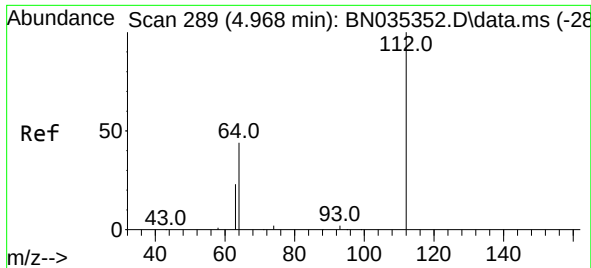
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#2
1,4-Dioxane
Concen: 0.154 ng
RT: 2.996 min Scan# 16
Delta R.T. -0.007 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Tgt Ion: 88 Resp: 375
Ion Ratio Lower Upper
88 100
43 0.0 17.2 25.8#
58 40.8 44.5 66.7#





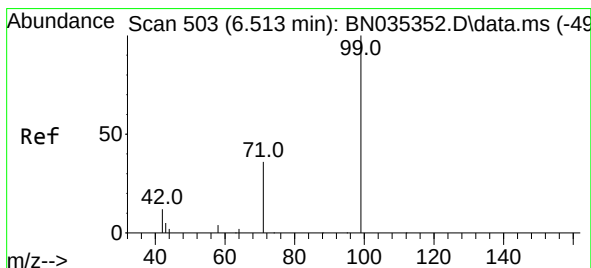
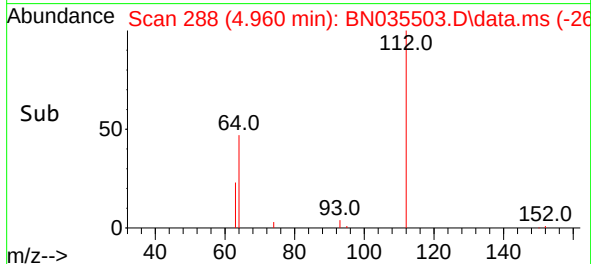
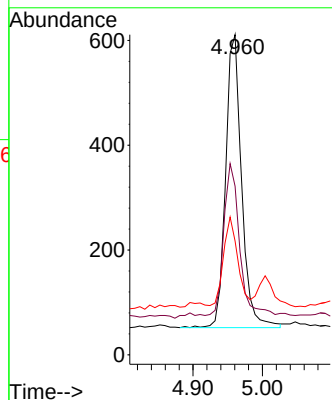
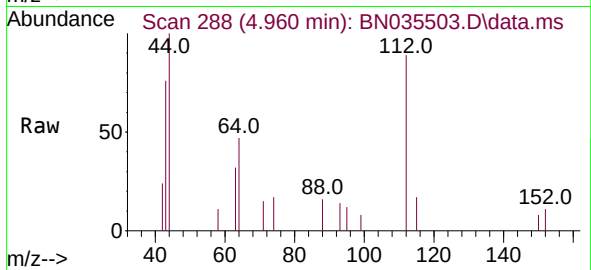
#4
2-Fluorophenol
Concen: 0.140 ng
RT: 4.960 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Instrument :
BNA_N
ClientSampleId :
TOWER-2

Tgt Ion:112 Resp: 89
Ion Ratio Lower Upper
112 100
64 52.3 39.8 59.8
63 28.1 21.0 31.6

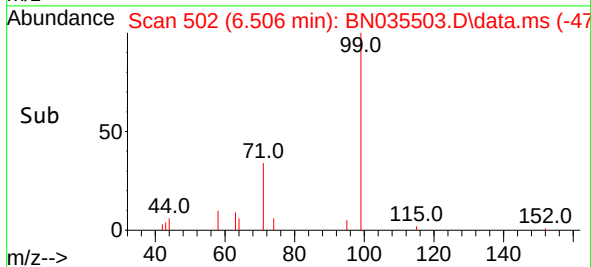
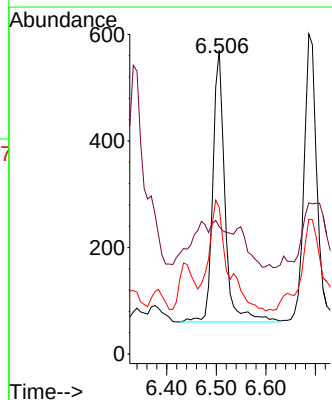
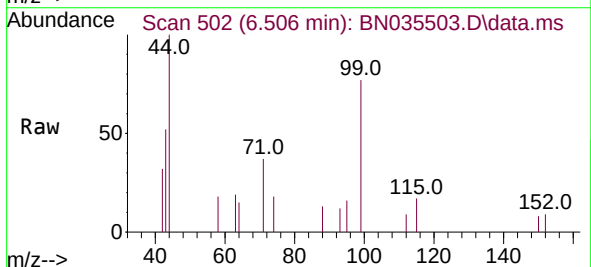
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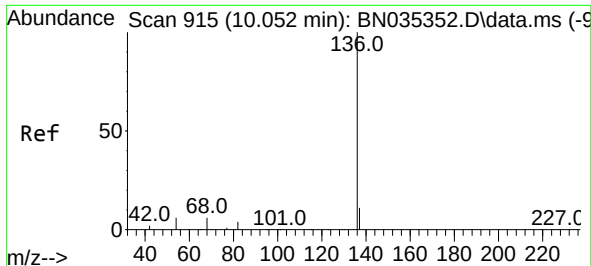
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#5
Phenol-d6
Concen: 0.113 ng
RT: 6.506 min Scan# 502
Delta R.T. -0.007 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

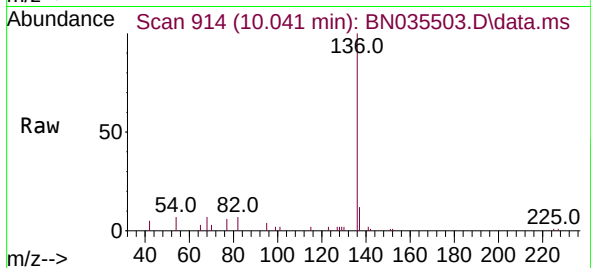
Tgt Ion: 99 Resp: 867
Ion Ratio Lower Upper
99 100
42 0.0 11.4 17.2#
71 64.6 29.3 43.9#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.041 min Scan# 915
Delta R.T. -0.011 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

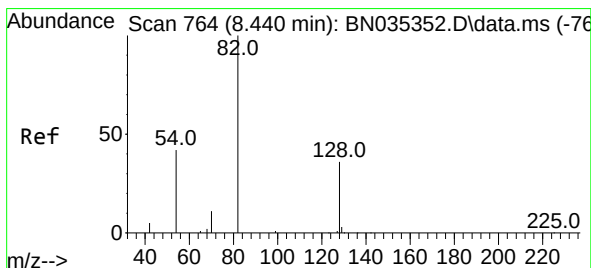
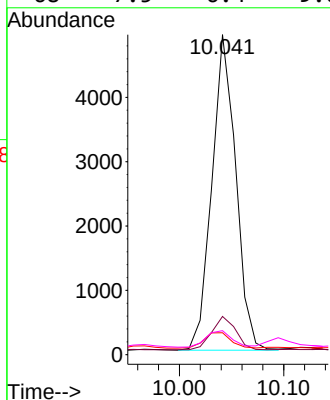
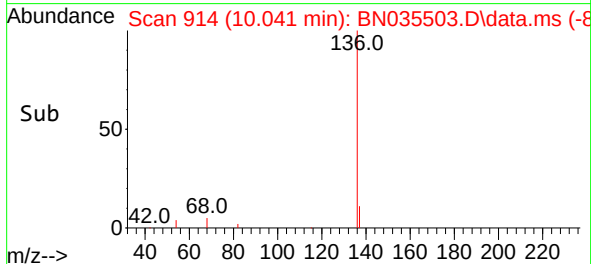
Instrument :
BNA_N
ClientSampleId :
TOWER-2



Tgt Ion:136 Resp: 781
Ion Ratio Lower Upper
136 100
137 12.0 10.2 15.2
54 6.8 6.1 9.1
68 7.5 6.4 9.6

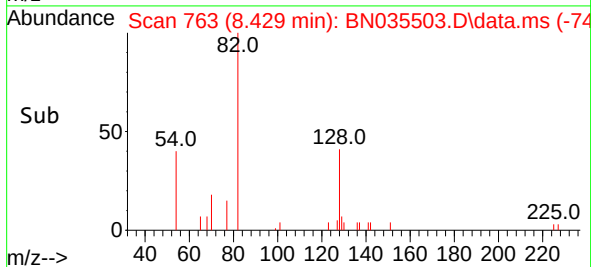
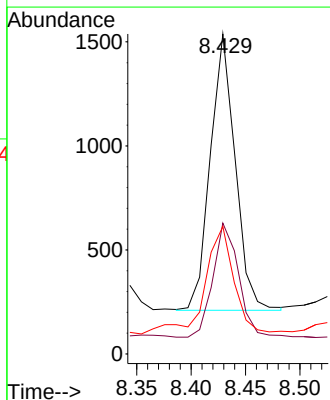
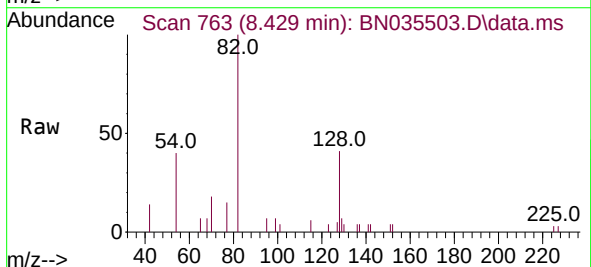
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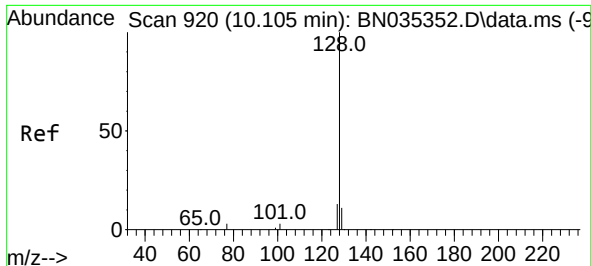
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#8
Nitrobenzene-d5
Concen: 0.445 ng m
RT: 8.429 min Scan# 763
Delta R.T. -0.011 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Tgt Ion: 82 Resp: 2122
Ion Ratio Lower Upper
82 100
128 40.9 33.4 50.0
54 39.9 36.7 55.1





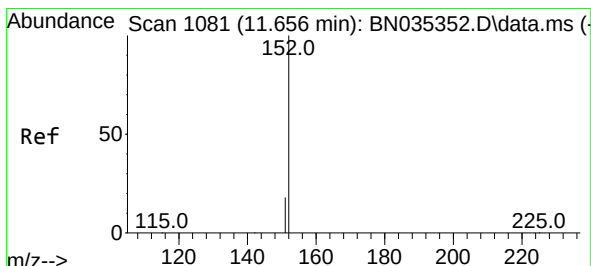
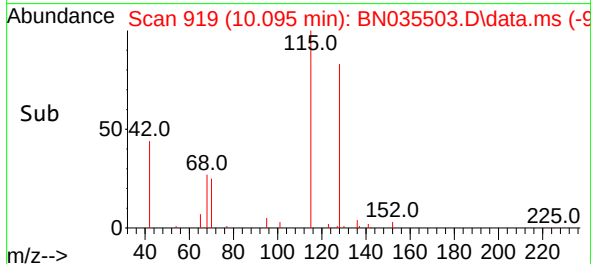
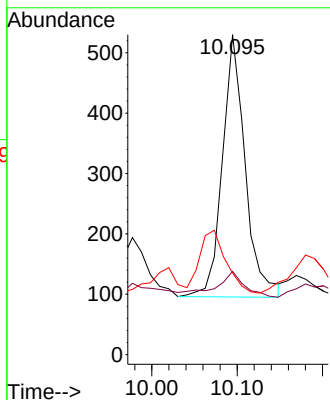
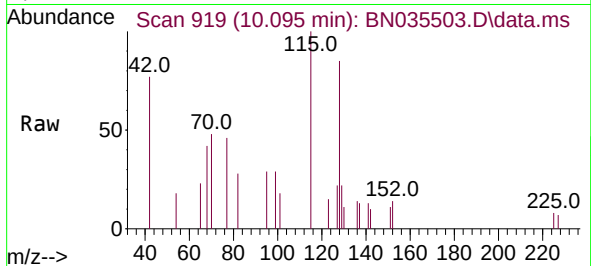
#9
Naphthalene
Concen: 0.039 ng
RT: 10.095 min Scan# 919
Delta R.T. -0.011 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Instrument :
BNA_N
ClientSampleId :
TOWER-2

Tgt Ion:128 Resp: 800
Ion Ratio Lower Upper
128 100
129 26.0 9.8 14.6
127 25.5 11.4 17.2

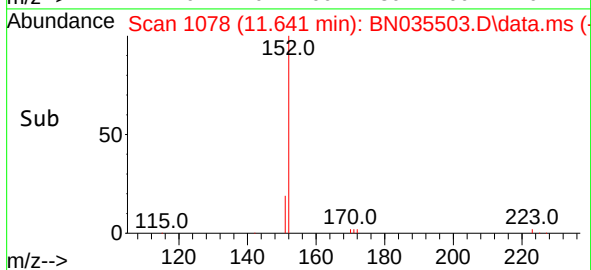
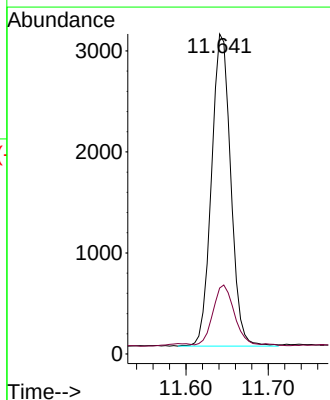
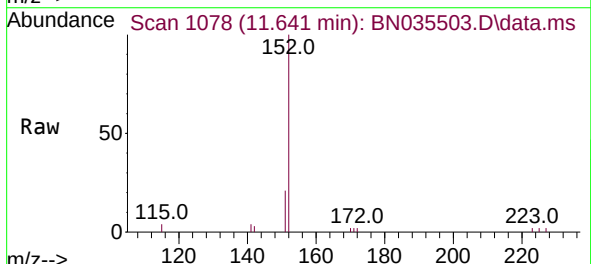
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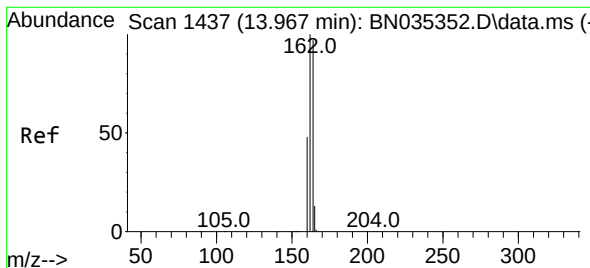
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#11
2-Methylnaphthalene-d10
Concen: 0.409 ng
RT: 11.641 min Scan# 1078
Delta R.T. -0.015 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Tgt Ion:152 Resp: 5007
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.957 min Scan# 1437

Delta R.T. -0.011 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Instrument :

BNA_N

ClientSampleId :

TOWER-2

Tgt Ion:164 Resp: 6050

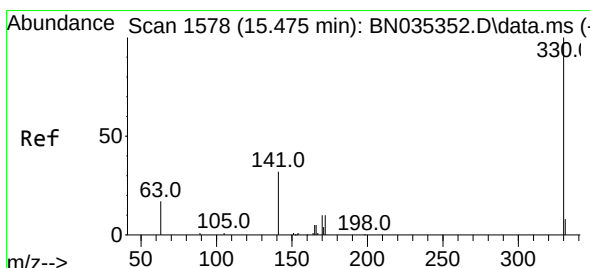
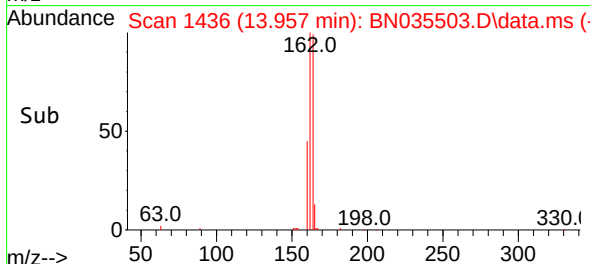
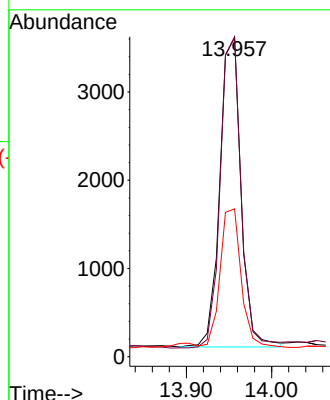
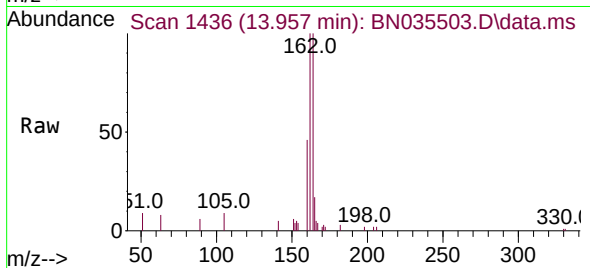
Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.2	123.2
160	46.4	40.1	60.1

Manual Integrations

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#14

2,4,6-Tribromophenol

Concen: 0.375 ng

RT: 15.464 min Scan# 1577

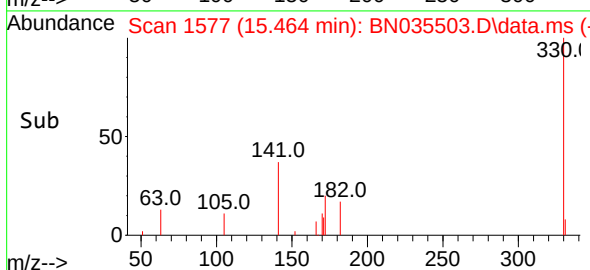
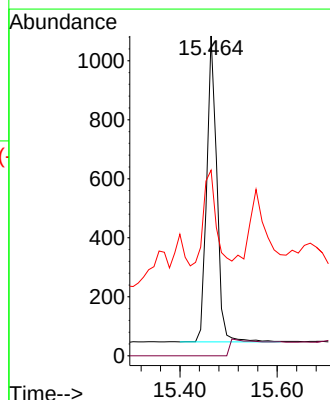
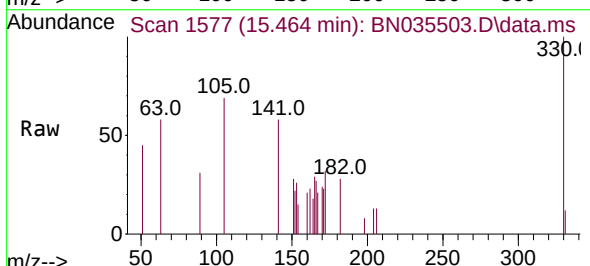
Delta R.T. -0.011 min

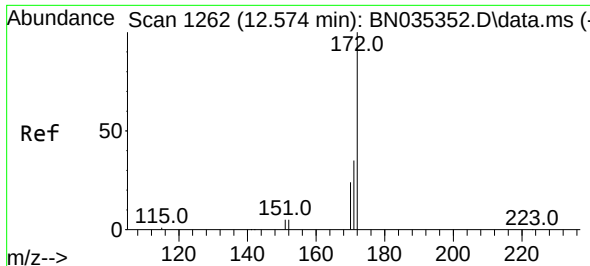
Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Tgt Ion:330 Resp: 1610

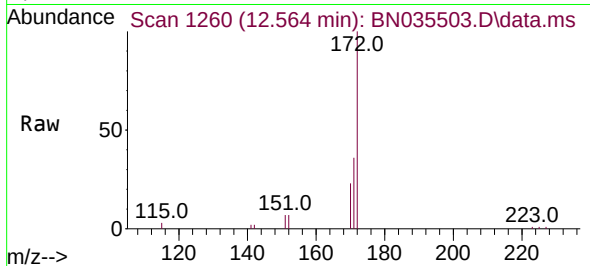
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.5	26.6	40.0#





#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 12.564 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

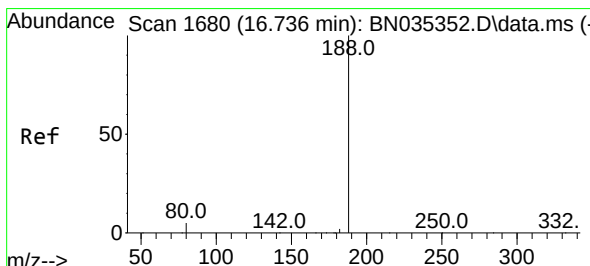
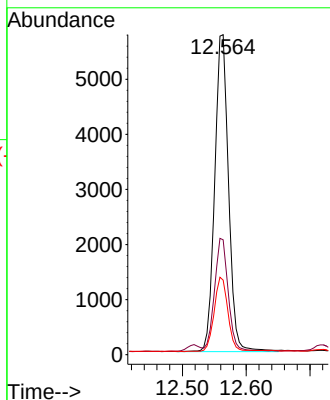
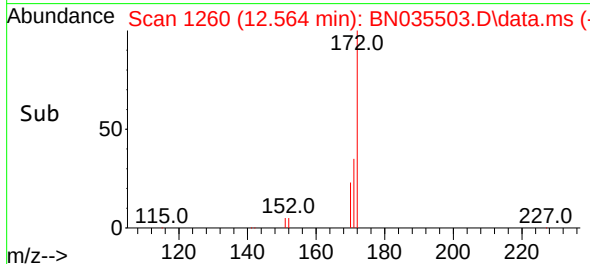
Instrument :
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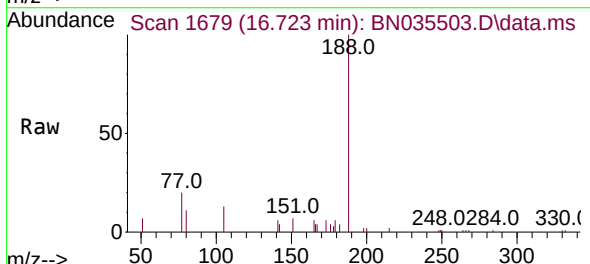
Tgt Ion:172 Resp: 8694
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 23.3 19.8 29.8

Manual Integrations
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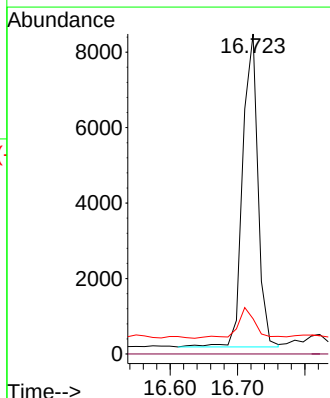
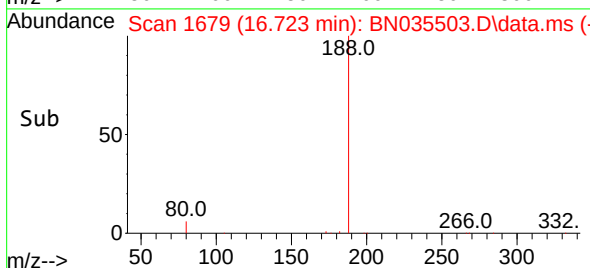
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024

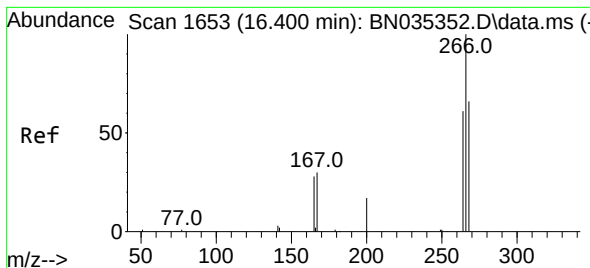


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1679
Delta R.T. -0.012 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52



Tgt Ion:188 Resp: 13058
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 4.6 6.8





#24

Pentachlorophenol

Concen: 0.055 ng

RT: 16.376 min Scan# 1651

Delta R.T. -0.025 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Instrument :

BNA_N

ClientSampleId :

TOWER-2

Tgt Ion:266 Resp: 214

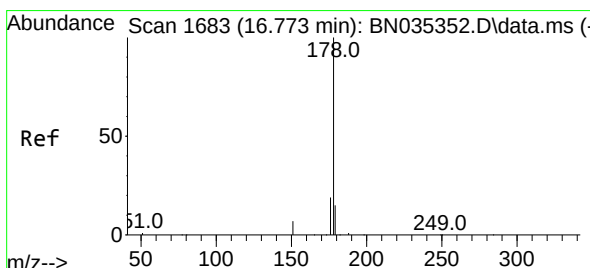
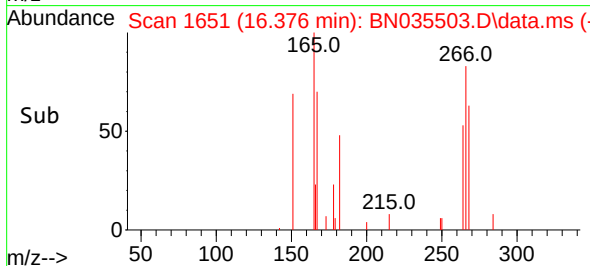
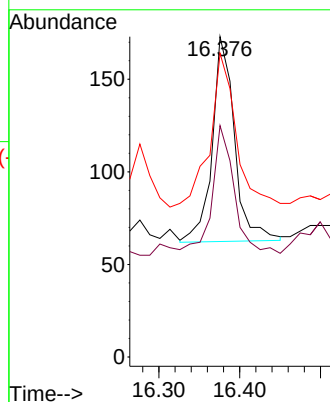
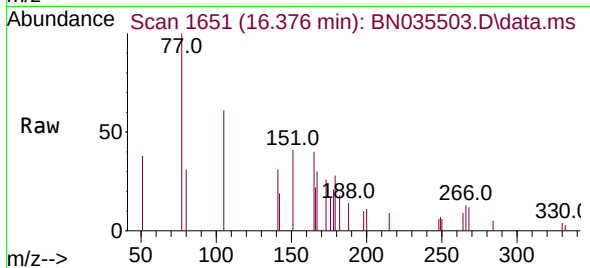
Ion	Ratio	Lower	Upper
266	100		
264	68.7	42.3	63.5#
268	89.7	43.3	64.9#

Manual Integrations

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Supervised By :mohammad ahmed 12/11/2024



#25

Phenanthrene

Concen: 0.029 ng

RT: 16.760 min Scan# 1682

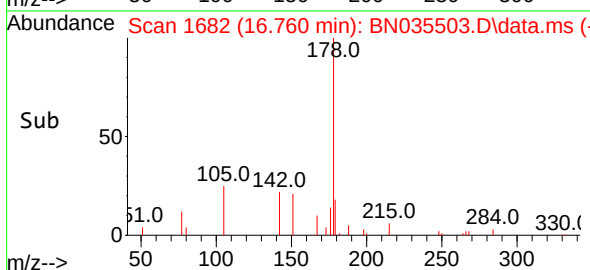
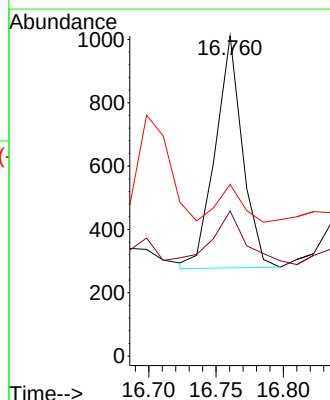
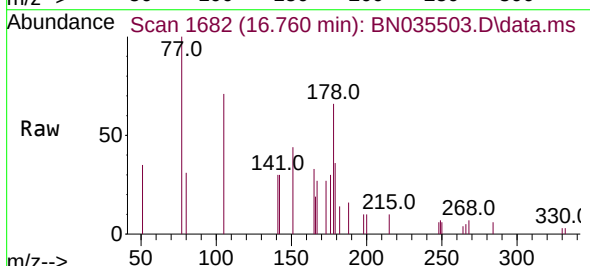
Delta R.T. -0.012 min

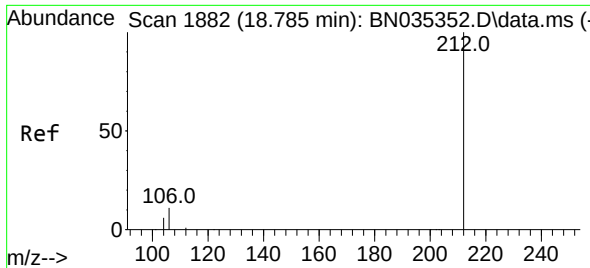
Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Tgt Ion:178 Resp: 1028

Ion	Ratio	Lower	Upper
178	100		
176	39.3	15.4	23.2#
179	25.5	12.3	18.5#





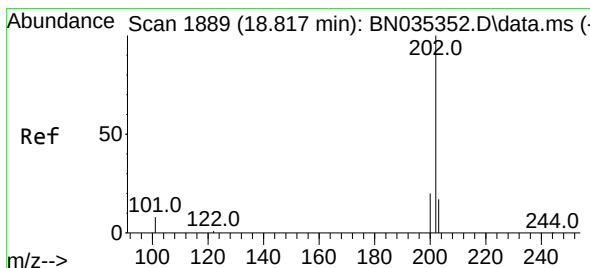
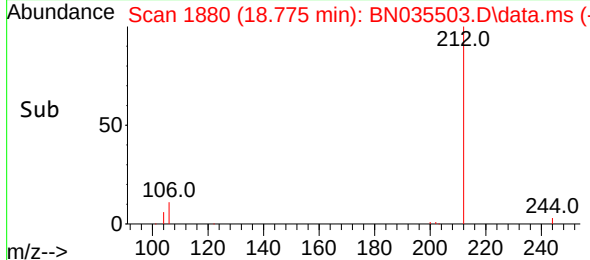
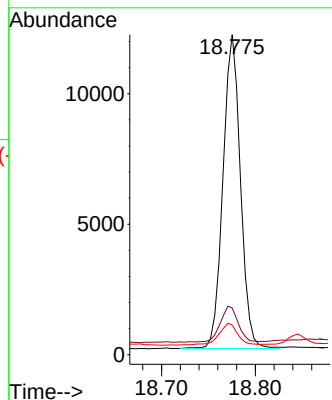
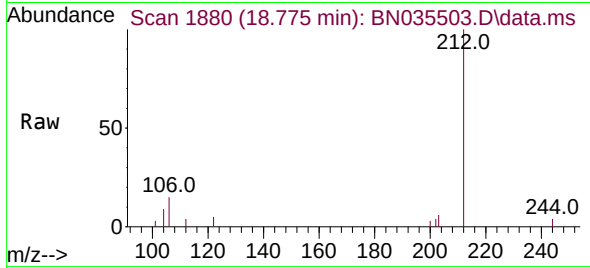
#27
Fluoranthene-d10
Concen: 0.419 ng
RT: 18.775 min Scan# 1880
Delta R.T. -0.009 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Instrument :
BNA_N
ClientSampleId :
TOWER-2

Tgt Ion:212 Resp: 1552
Ion Ratio Lower Upper
212 100
106 11.9 9.2 13.8
104 7.9 5.3 7.9

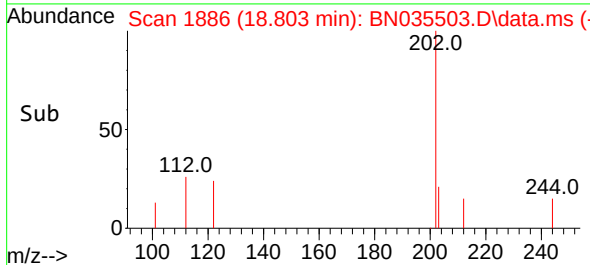
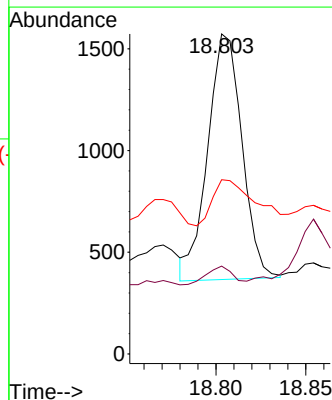
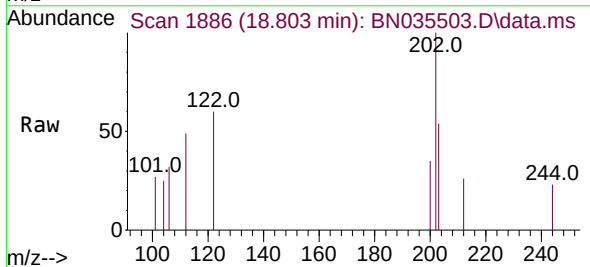
Manual Integrations
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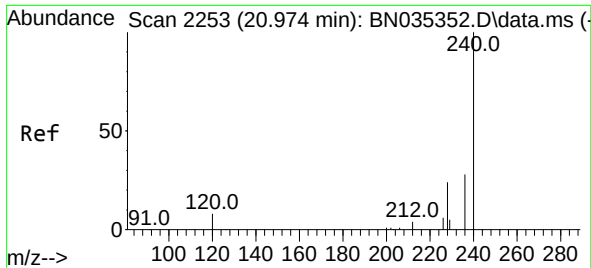
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#28
Fluoranthene
Concen: 0.033 ng
RT: 18.803 min Scan# 1886
Delta R.T. -0.014 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

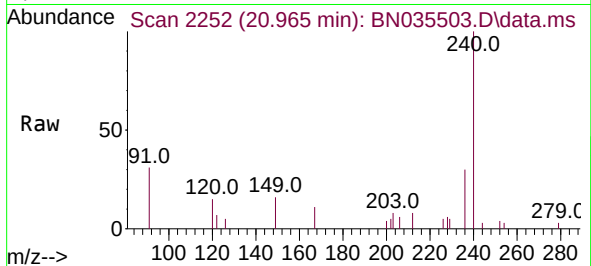
Tgt Ion:202 Resp: 1599
Ion Ratio Lower Upper
202 100
101 6.1 7.4 11.0#
203 24.3 13.7 20.5#





#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.965 min Scan# 211
Delta R.T. -0.009 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

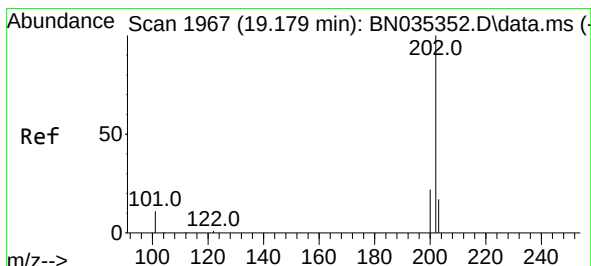
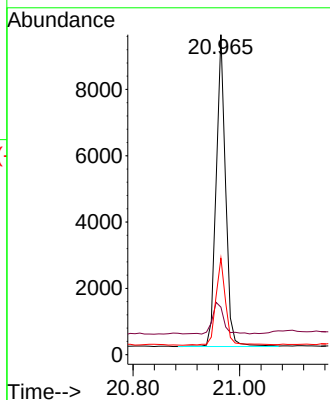
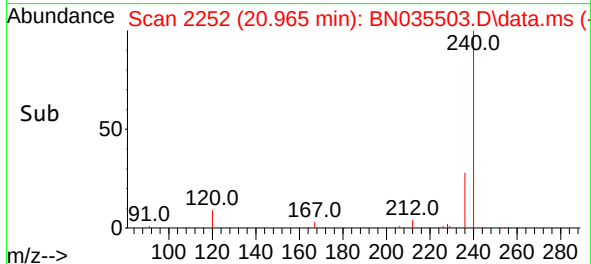
Instrument :
BNA_N
ClientSampleId :
TOWER-2



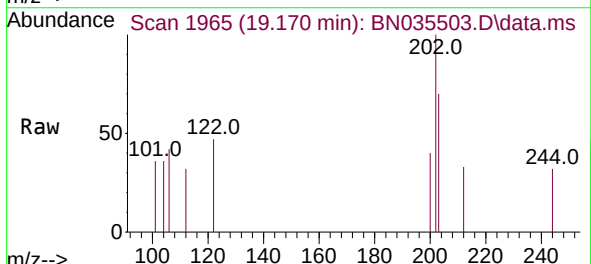
Tgt Ion:240 Resp: 11500
Ion Ratio Lower Upper
240 100
120 14.8 7.9 11.9
236 30.1 22.9 34.3

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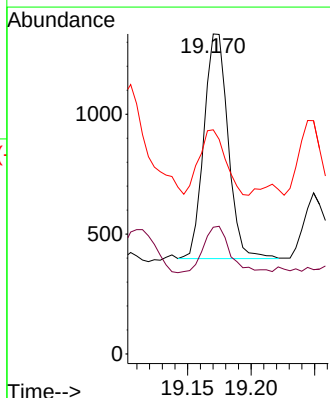
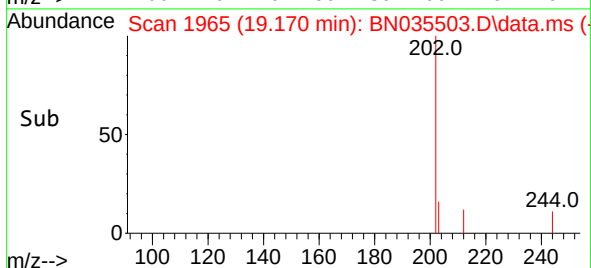
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024

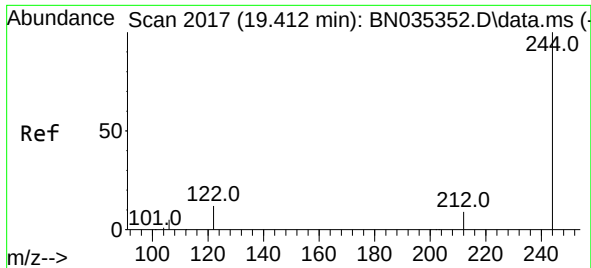


#30
Pyrene
Concen: 0.029 ng
RT: 19.170 min Scan# 1965
Delta R.T. -0.009 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52



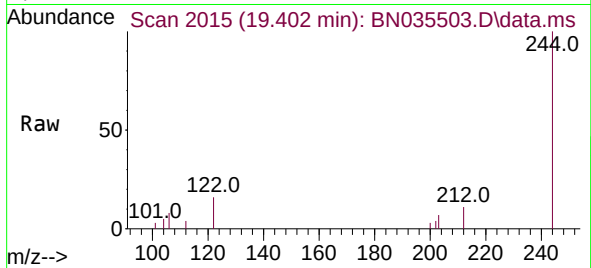
Tgt Ion:202 Resp: 1242
Ion Ratio Lower Upper
202 100
200 22.4 17.0 25.4
203 31.3 14.3 21.5





#31
 Terphenyl-d14
 Concen: 0.571 ng
 RT: 19.402 min Scan# 2015
 Delta R.T. -0.009 min
 Lab File: BN035503.D
 Acq: 09 Dec 2024 12:52

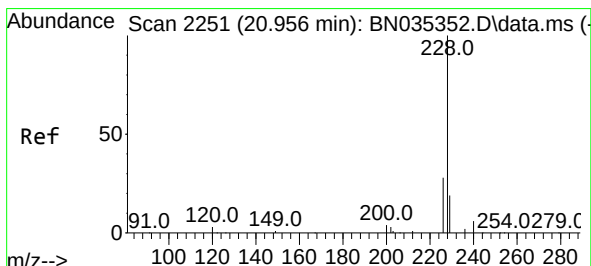
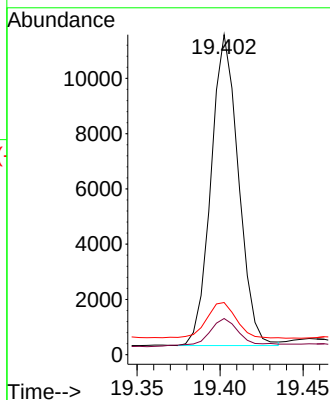
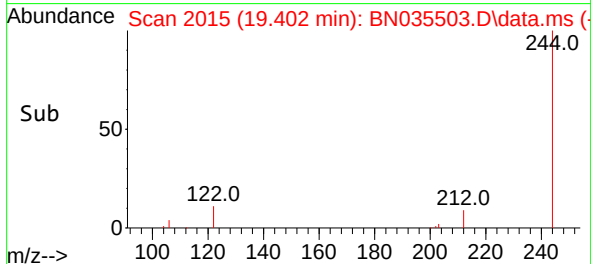
Instrument :
 BNA_N
 ClientSampleId :
 TOWER-2



Tgt Ion:244 Resp: 12958
 Ion Ratio Lower Upper
 244 100
 212 11.3 8.1 12.1
 122 16.3 10.3 15.5

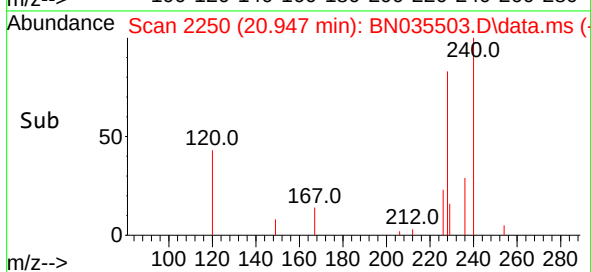
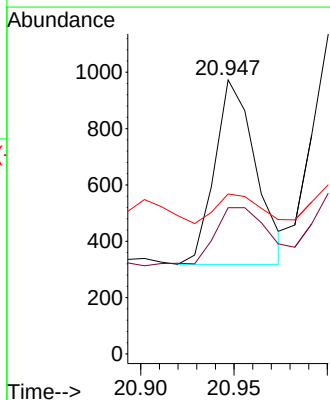
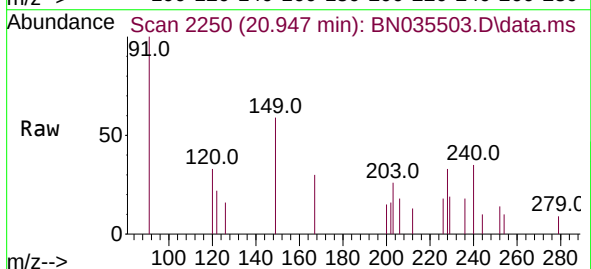
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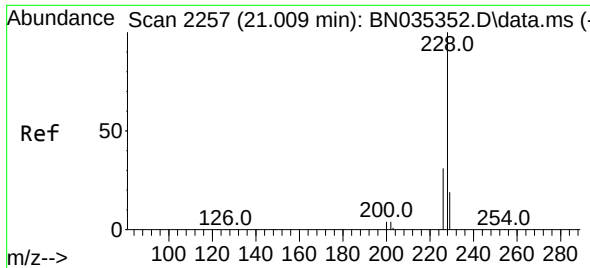
Reviewed By :Yogesh Patel 12/11/2024
 Supervised By :mohammad ahmed 12/11/2024



#32
 Benzo(a)anthracene
 Concen: 0.025 ng
 RT: 20.947 min Scan# 2250
 Delta R.T. -0.009 min
 Lab File: BN035503.D
 Acq: 09 Dec 2024 12:52

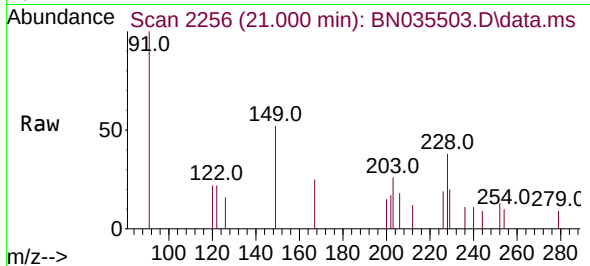
Tgt Ion:228 Resp: 1008
 Ion Ratio Lower Upper
 228 100
 226 53.3 22.5 33.7#
 229 58.4 15.8 23.8#





#33
Chrysene
Concen: 0.026 ng
RT: 21.000 min Scan# 2100
Delta R.T. -0.009 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

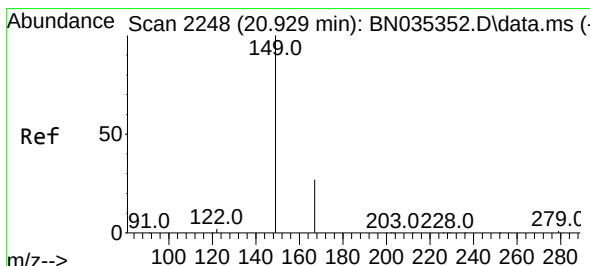
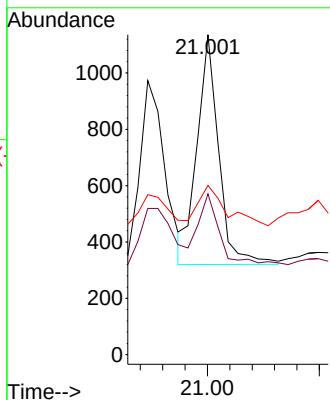
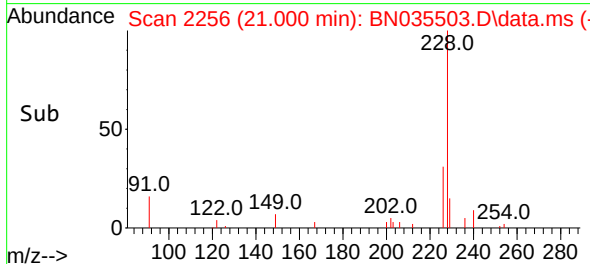
Instrument :
BNA_N
ClientSampleId :
TOWER-2



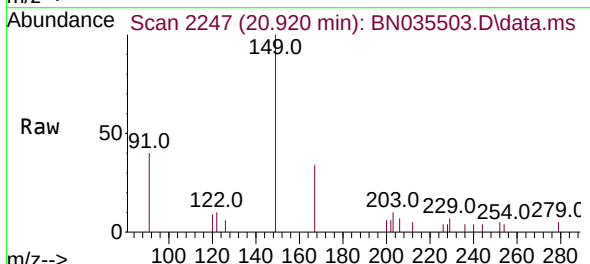
Tgt Ion:228 Resp: 1094
Ion Ratio Lower Upper
228 100
226 50.3 24.6 37.0
229 52.9 15.9 23.9

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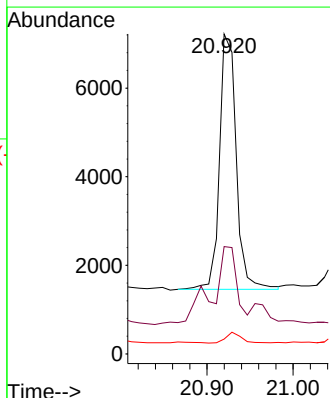
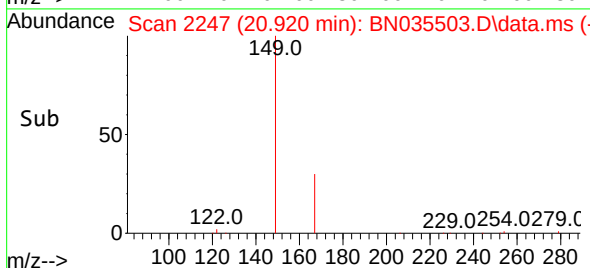
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024

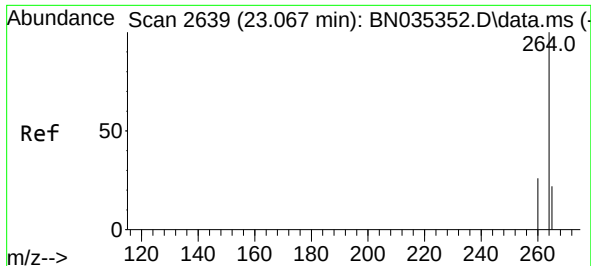


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.486 ng
RT: 20.920 min Scan# 2247
Delta R.T. -0.009 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52



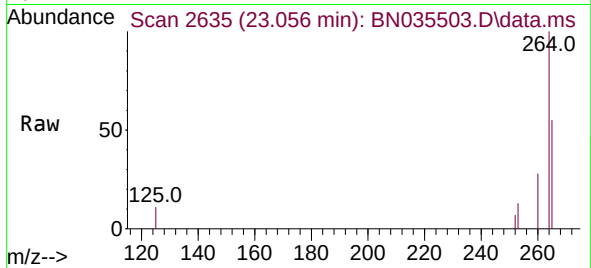
Tgt Ion:149 Resp: 7732
Ion Ratio Lower Upper
149 100
167 42.8 22.2 33.4
279 3.9 2.7 4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.056 min Scan# 2635
Delta R.T. -0.012 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

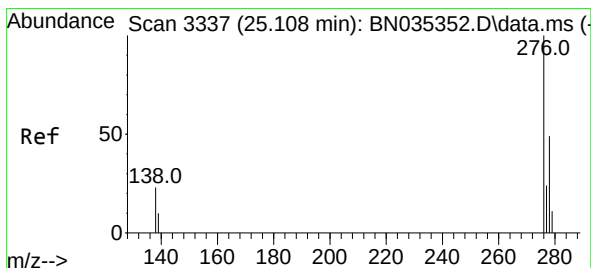
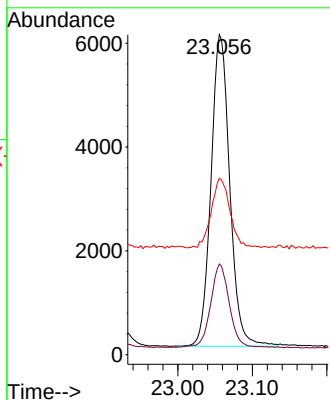
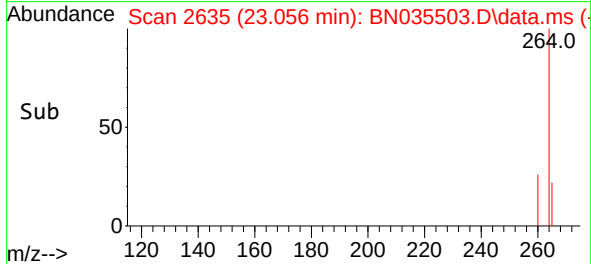
Instrument :
BNA_N
ClientSampleId :
TOWER-2



Tgt Ion:264 Resp: 10509
Ion Ratio Lower Upper
264 100
260 28.4 21.4 32.2
265 55.2 40.2 60.4

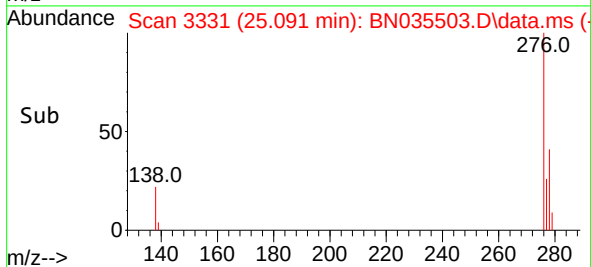
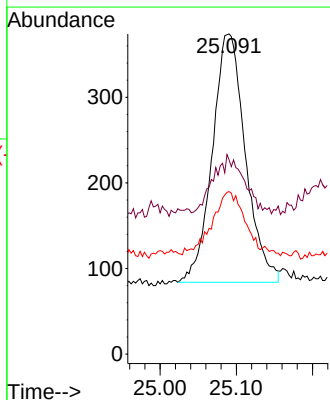
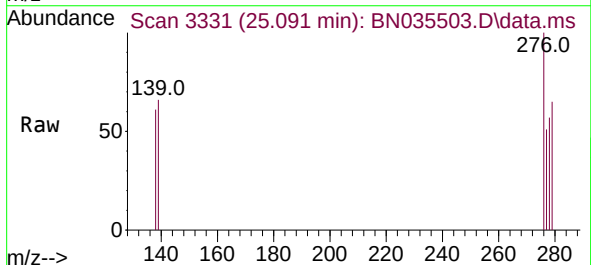
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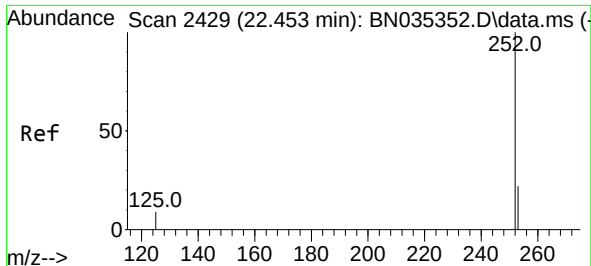
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.021 ng
RT: 25.091 min Scan# 3331
Delta R.T. -0.018 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Tgt Ion:276 Resp: 876
Ion Ratio Lower Upper
276 100
138 22.0 19.4 29.0
277 24.7 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.033 ng

RT: 22.445 min Scan# 2429

Delta R.T. -0.009 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Instrument :

BNA_N

ClientSampleId :

TOWER-2

Tgt Ion:252 Resp: 1285

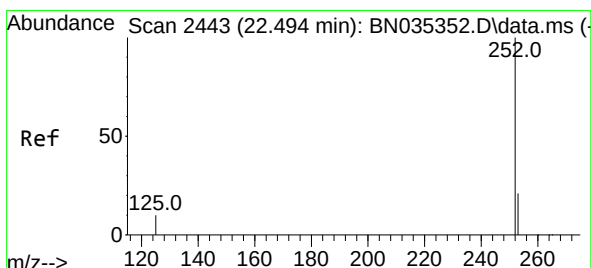
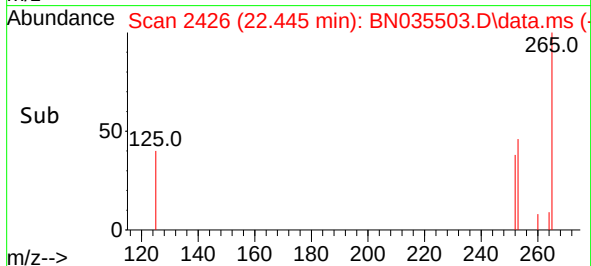
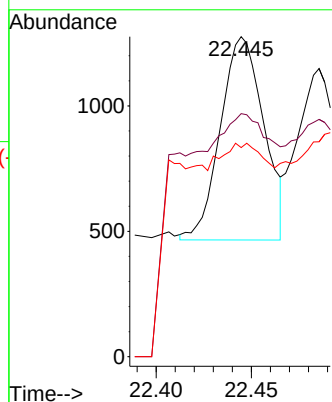
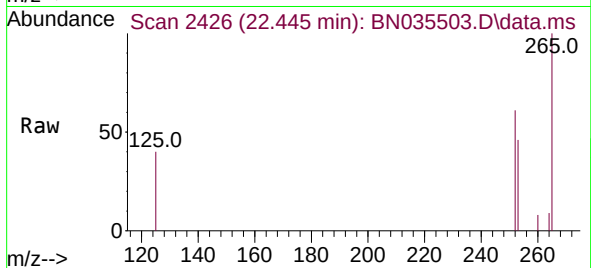
Ion	Ratio	Lower	Upper
252	100		
253	75.9	19.6	29.4
125	65.4	9.6	14.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/11/2024

Supervised By :mohammad ahmed 12/11/2024



#38

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 22.486 min Scan# 2440

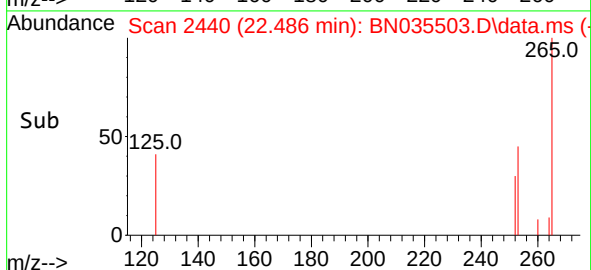
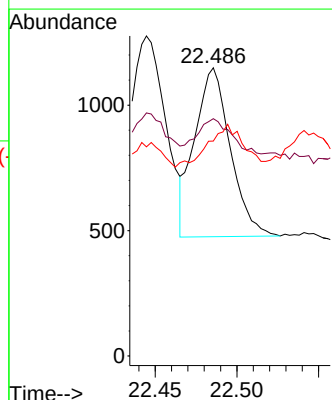
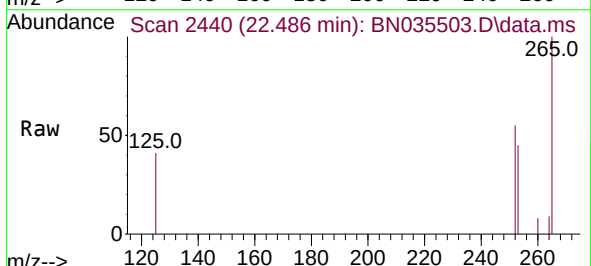
Delta R.T. -0.009 min

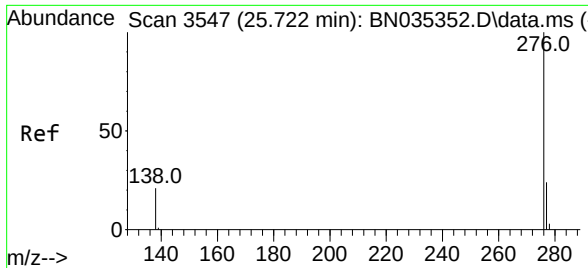
Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Tgt Ion:252 Resp: 1023

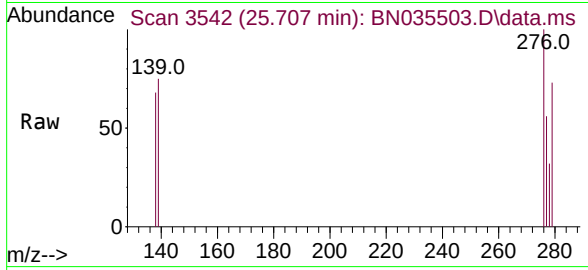
Ion	Ratio	Lower	Upper
252	100		
253	82.3	19.5	29.3
125	74.6	10.2	15.4





#41
Benzo(g,h,i)perylene
Concen: 0.020 ng
RT: 25.707 min Scan# 31
Delta R.T. -0.015 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Instrument :
BNA_N
ClientSampleId :
TOWER-2



Tgt Ion:276 Resp: 685
Ion Ratio Lower Upper
276 100
277 55.9 19.9 29.9
138 68.1 17.8 26.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024

