

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120924\
 Data File : BN035514.D
 Acq On : 09 Dec 2024 19:31
 Operator : RC/JU
 Sample : P5164-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE105D2-20241206

Manual Integrations
 APPROVED

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

Quant Time: Dec 10 01:27:21 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)

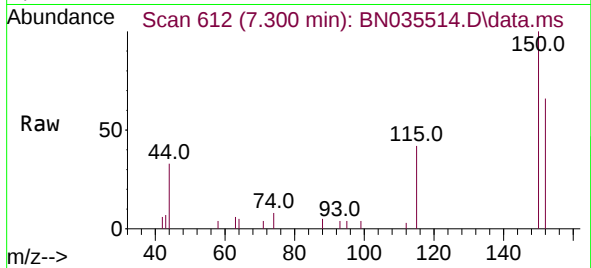
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.300	152	1515	0.400	ng	0.00
7) Naphthalene-d8	10.041	136	4180	0.400	ng	-0.01
13) Acenaphthene-d10	13.956	164	3091	0.400	ng	-0.01
19) Phenanthrene-d10	16.723	188	7600	0.400	ng	#-0.01
29) Chrysene-d12	20.965	240	6224	0.400	ng	0.00
35) Perylene-d12	23.061	264	6145	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.953	112	573	0.151	ng	-0.01
5) Phenol-d6	6.506	99	418	0.092	ng	0.00
8) Nitrobenzene-d5	8.440	82	1055m	0.413	ng	0.00
11) 2-Methylnaphthalene-d10	11.646	152	2519	0.385	ng	-0.01
14) 2,4,6-Tribromophenol	15.475	330	562	0.256	ng	0.00
15) 2-Fluorobiphenyl	12.569	172	4789	0.410	ng	0.00
27) Fluoranthene-d10	18.775	212	9287	0.431	ng	0.00
31) Terphenyl-d14	19.402	244	8183	0.666	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.989	88	6196	4.278	ng	99
25) Phenanthrene	16.760	178	430	0.021	ng	97
28) Fluoranthene	18.808	202	717	0.025	ng	# 96
30) Pyrene	19.175	202	646	0.028	ng	99
32) Benzo(a)anthracene	20.956	228	618	0.028	ng	# 85
33) Chrysene	21.000	228	757	0.034	ng	# 87
34) Bis(2-ethylhexyl)phtha...	20.920	149	882	0.103	ng	97
36) Indeno(1,2,3-cd)pyrene	25.117	276	670	0.028	ng	# 83
37) Benzo(b)fluoranthene	22.450	252	920	0.041	ng	# 31
38) Benzo(k)fluoranthene	22.488	252	733	0.033	ng	# 20
39) Benzo(a)pyrene	22.971	252	393	0.021	ng	# 1
40) Dibenzo(a,h)anthracene	25.123	278	465	0.025	ng	# 8
41) Benzo(g,h,i)perylene	25.722	276	580	0.029	ng	# 50

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



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.300 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

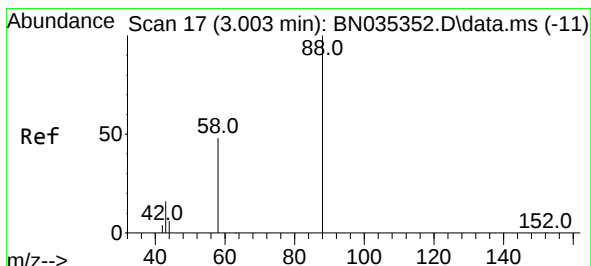
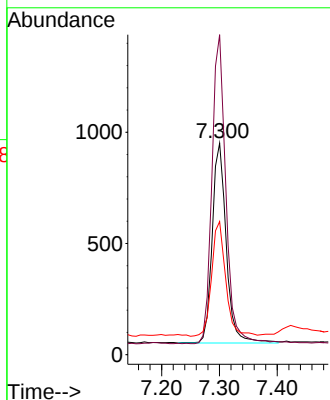
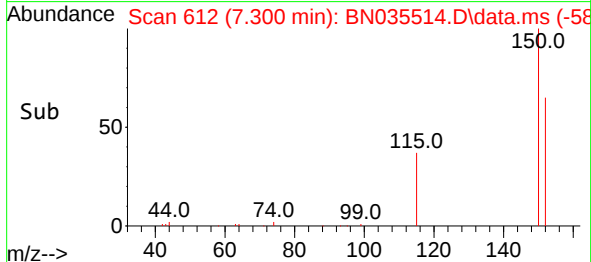
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206



Tgt Ion:152 Resp: 151
Ion Ratio Lower Upper
152 100
150 151.3 124.0 186.0
115 63.0 49.6 74.4

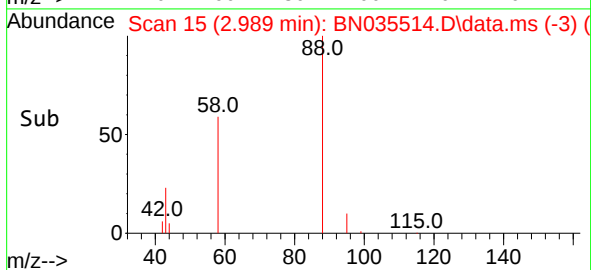
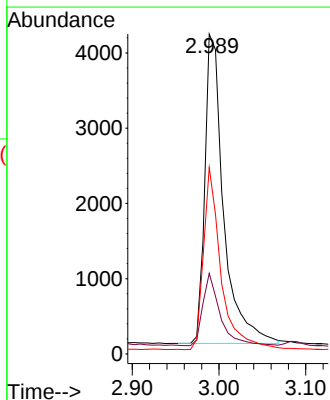
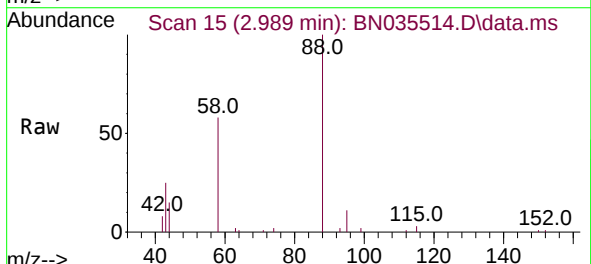
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Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#2
1,4-Dioxane
Concen: 4.278 ng
RT: 2.989 min Scan# 15
Delta R.T. -0.015 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

Tgt Ion: 88 Resp: 6196
Ion Ratio Lower Upper
88 100
43 21.5 17.2 25.8
58 54.7 44.5 66.7





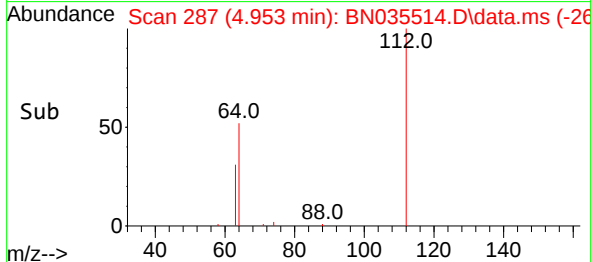
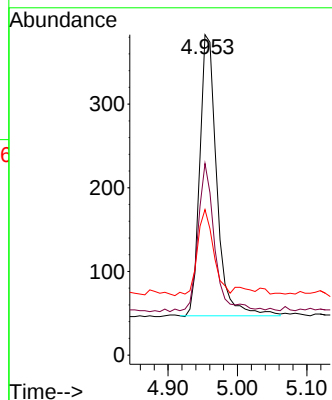
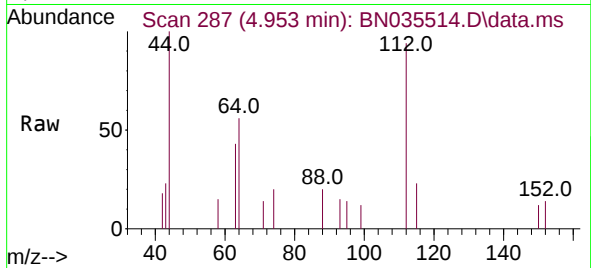
#4
2-Fluorophenol
Concen: 0.151 ng
RT: 4.953 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206

Tgt Ion:112 Resp: 57
Ion Ratio Lower Upper
112 100
64 52.2 39.8 59.8
63 29.1 21.0 31.6

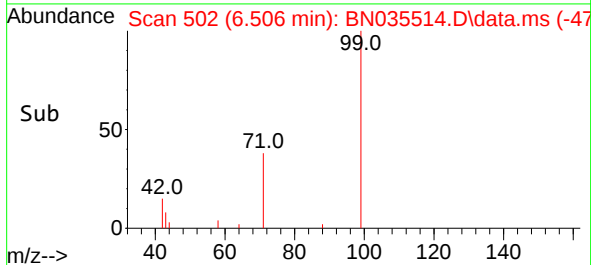
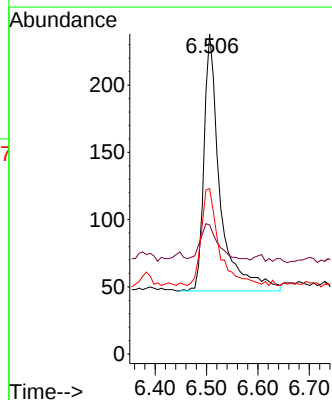
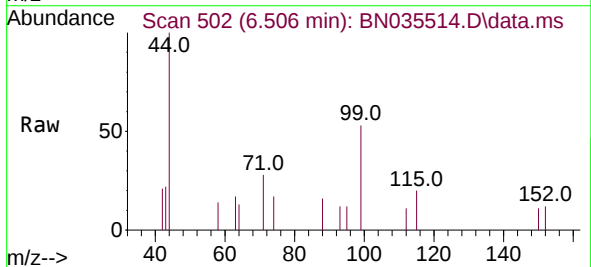
Manual Integrations
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Supervised By :mohammad ahmed 12/11/2024



#5
Phenol-d6
Concen: 0.092 ng
RT: 6.506 min Scan# 502
Delta R.T. -0.007 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

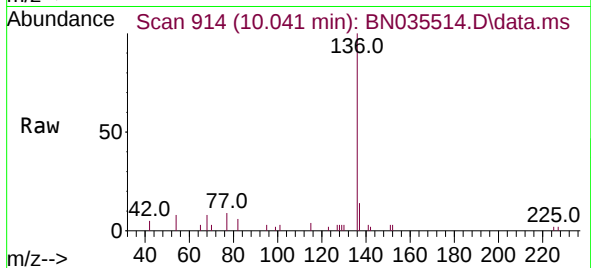
Tgt Ion: 99 Resp: 418
Ion Ratio Lower Upper
99 100
42 17.0 11.4 17.2
71 41.4 29.3 43.9





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.041 min Scan# 915
Delta R.T. -0.011 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

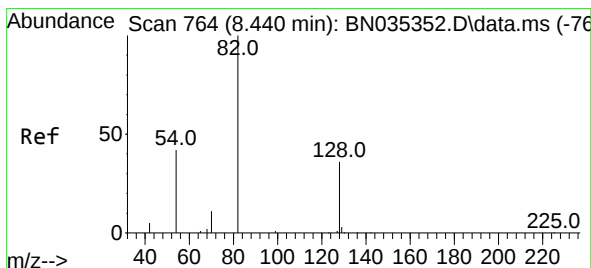
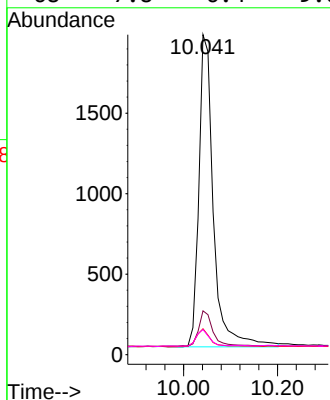
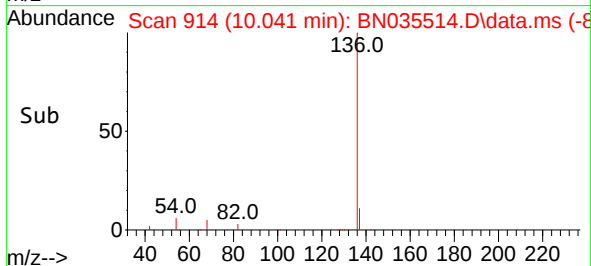
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206



Tgt Ion:136 Resp: 4180
Ion Ratio Lower Upper
136 100
137 13.7 10.2 15.2
54 8.1 6.1 9.1
68 7.8 6.4 9.6

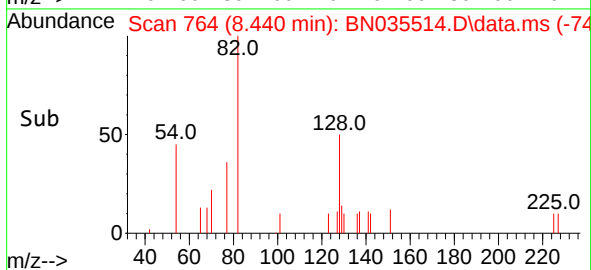
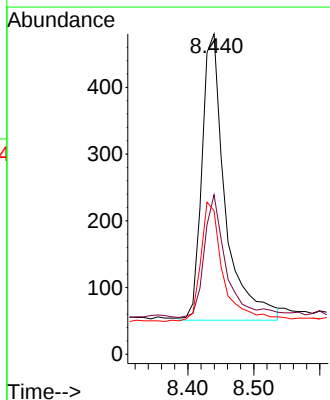
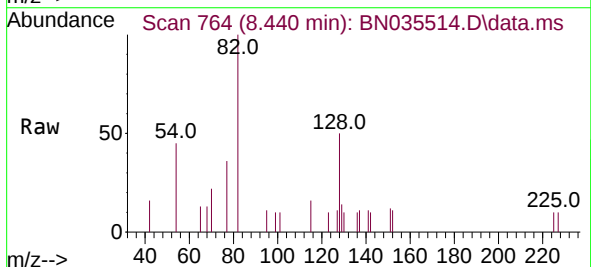
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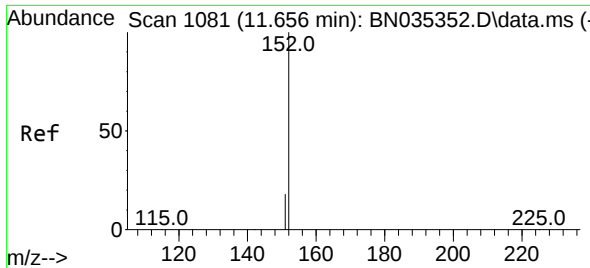
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#8
Nitrobenzene-d5
Concen: 0.413 ng m
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

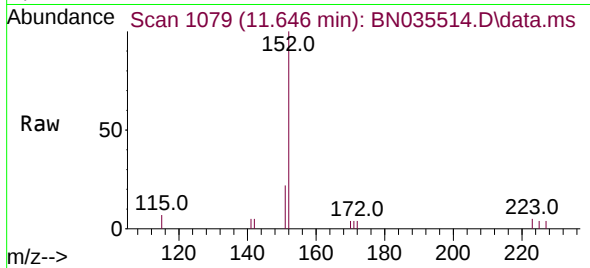
Tgt Ion: 82 Resp: 1055
Ion Ratio Lower Upper
82 100
128 49.8 33.4 50.0
54 44.8 36.7 55.1





#11
2-Methylnaphthalene-d10
Concen: 0.385 ng
RT: 11.646 min Scan# 1081
Delta R.T. -0.010 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

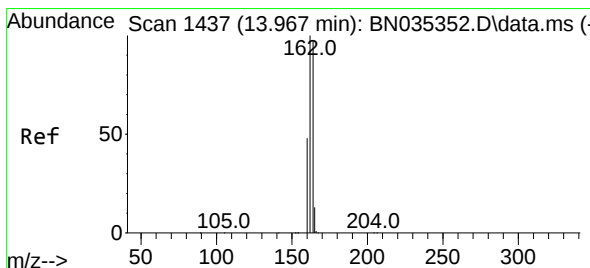
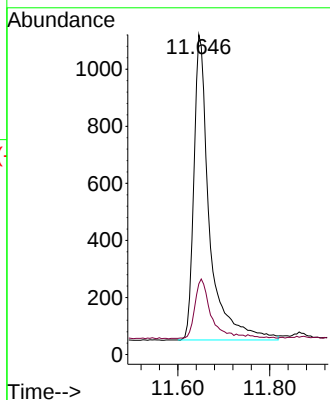
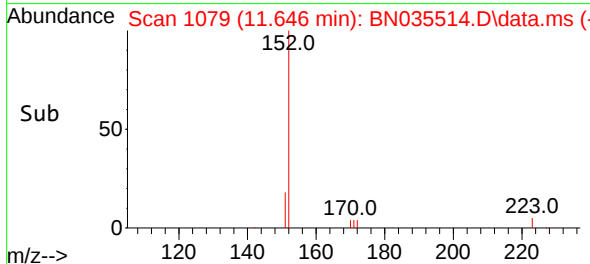
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206



Tgt Ion:152 Resp: 2519
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0

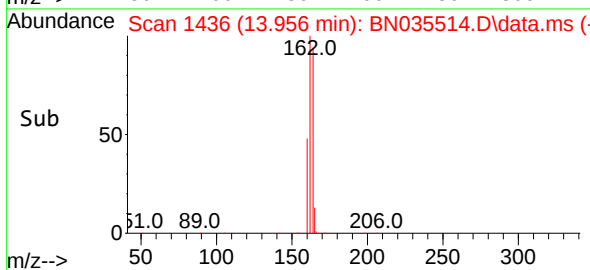
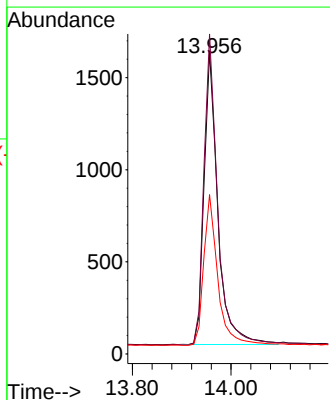
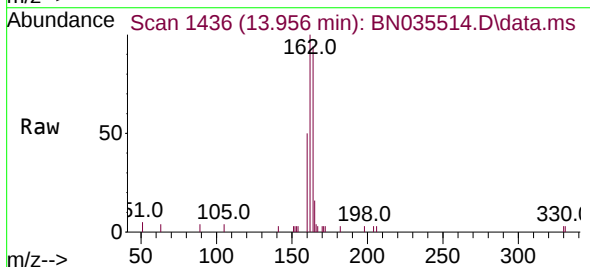
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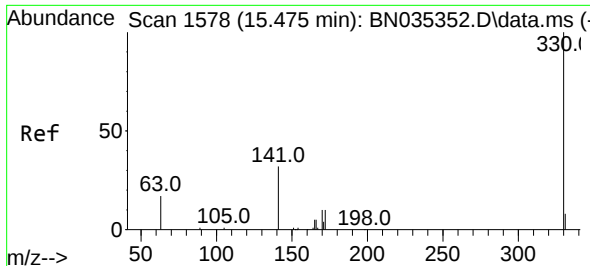
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.956 min Scan# 1436
Delta R.T. -0.011 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

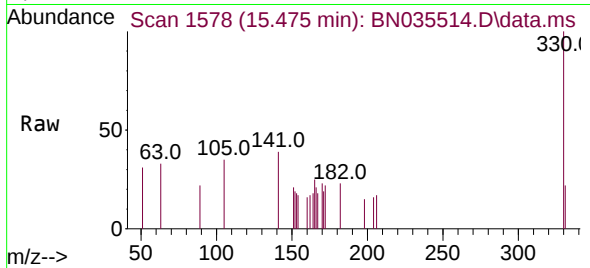
Tgt Ion:164 Resp: 3091
Ion Ratio Lower Upper
164 100
162 105.9 82.2 123.2
160 52.7 40.1 60.1





#14
2,4,6-Tribromophenol
Concen: 0.256 ng
RT: 15.475 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

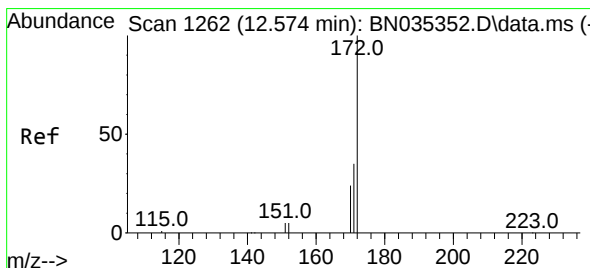
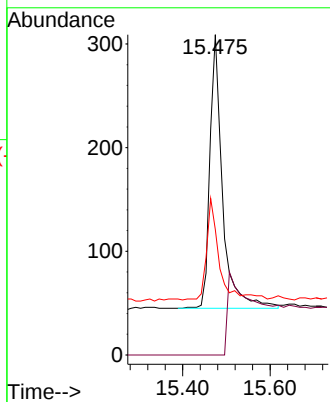
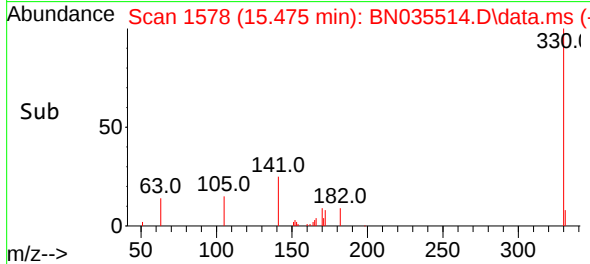
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206



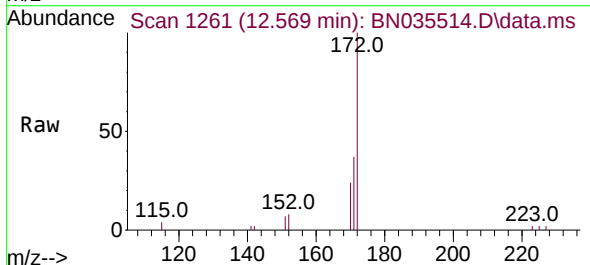
Tgt Ion:330 Resp: 562
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.5 26.6 40.0

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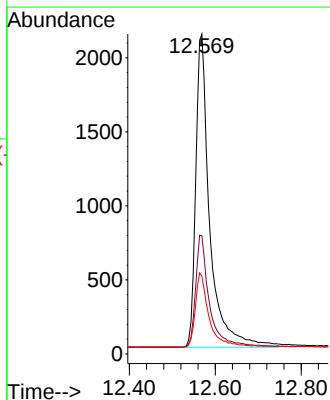
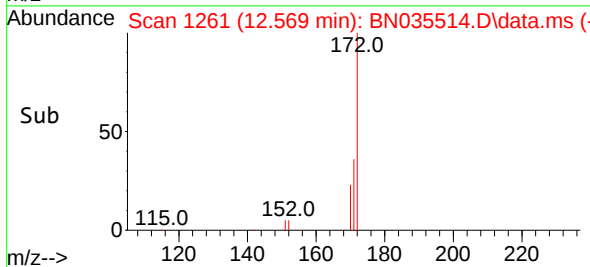
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 12.569 min Scan# 1261
Delta R.T. -0.005 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31



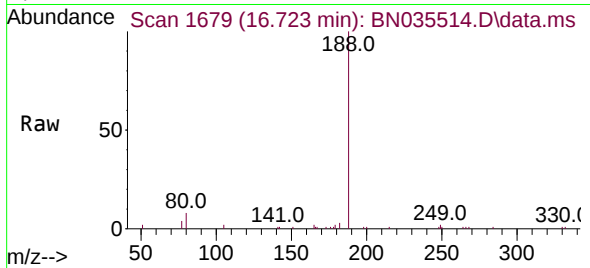
Tgt Ion:172 Resp: 4789
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.4
170 24.3 19.8 29.8





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1679
Delta R.T. -0.012 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

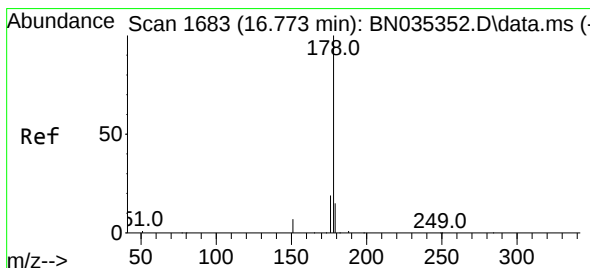
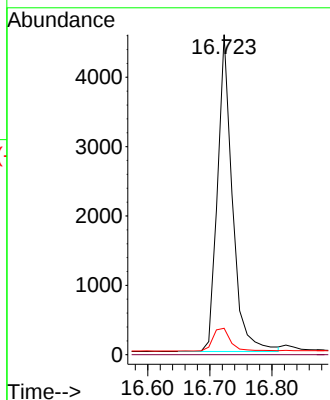
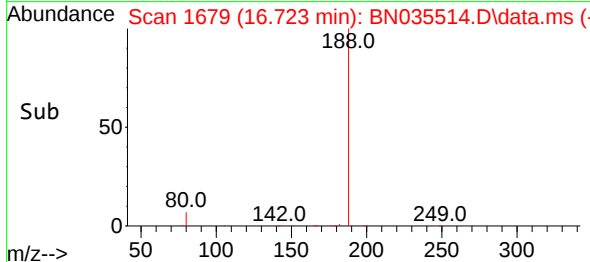
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206



Tgt Ion:188 Resp: 7600
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 4.6 6.8

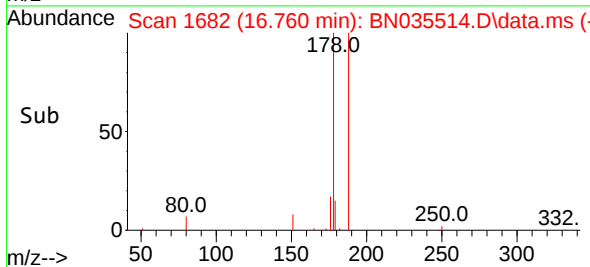
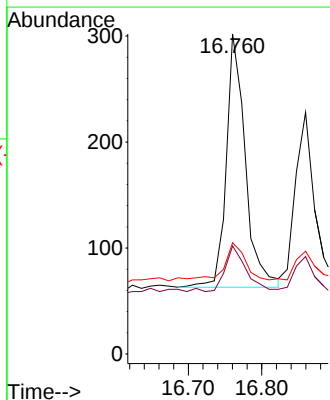
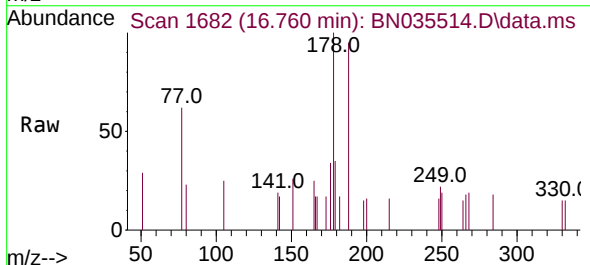
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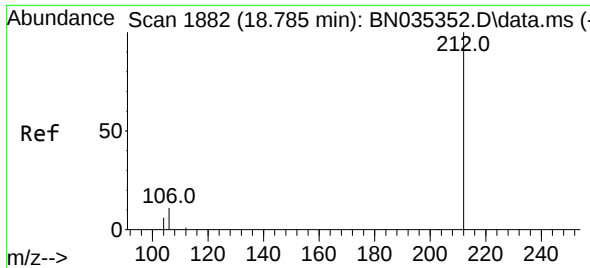
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#25
Phenanthrene
Concen: 0.021 ng
RT: 16.760 min Scan# 1682
Delta R.T. -0.013 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

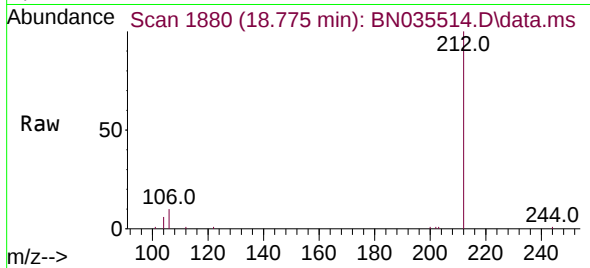
Tgt Ion:178 Resp: 430
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 17.4 12.3 18.5





#27
Fluoranthene-d10
Concen: 0.431 ng
RT: 18.775 min Scan# 1880
Delta R.T. -0.009 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

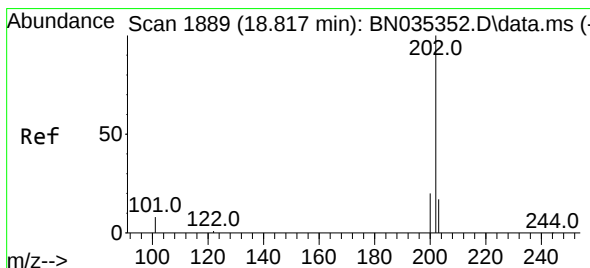
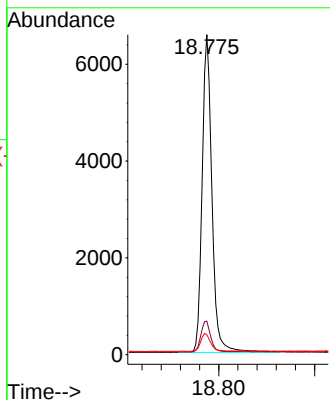
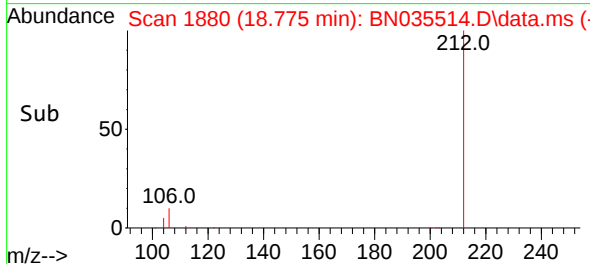
Instrument :
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RE105D2-20241206



Tgt Ion:212 Resp: 928
Ion Ratio Lower Upper
212 100
106 9.7 9.2 13.8
104 5.6 5.3 7.9

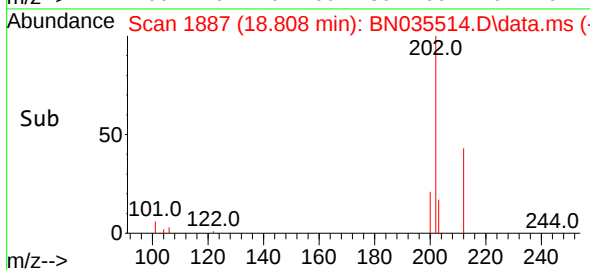
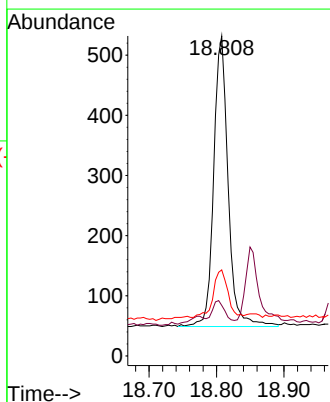
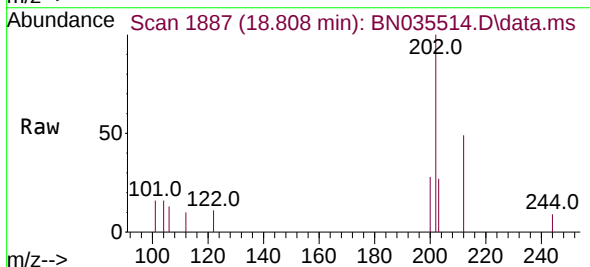
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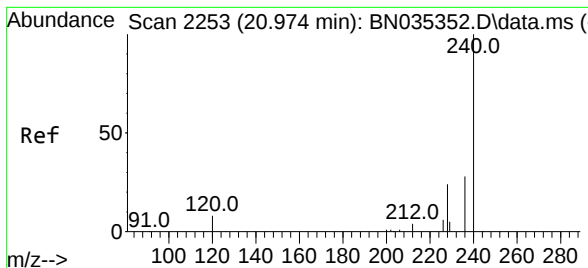
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#28
Fluoranthene
Concen: 0.025 ng
RT: 18.808 min Scan# 1887
Delta R.T. -0.009 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

Tgt Ion:202 Resp: 717
Ion Ratio Lower Upper
202 100
101 6.4 7.4 11.0#
203 17.7 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.965 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

Instrument :

BNA_N

ClientSampleId :

RE105D2-20241206

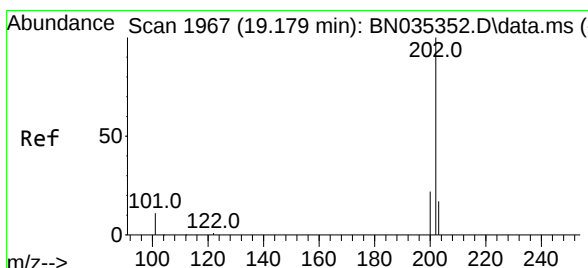
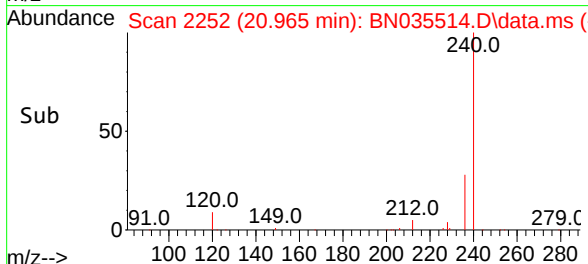
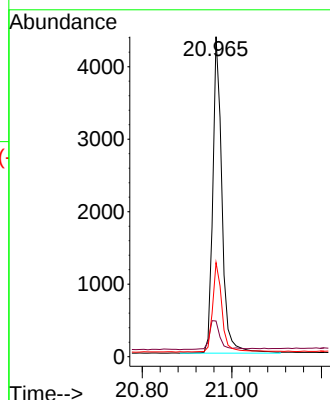
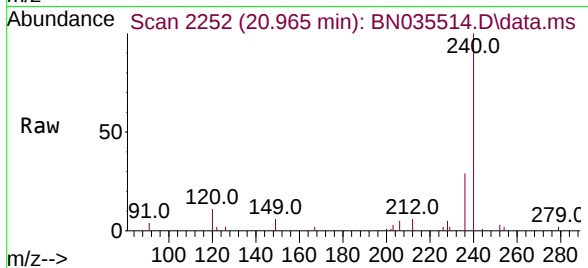
Tgt Ion:240	Resp:	6224
Ion Ratio	Lower	Upper
240	100	
120	11.2	7.9 11.9
236	29.4	22.9 34.3

Manual Integrations

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Supervised By :mohammad ahmed 12/11/2024



#30

Pyrene

Concen: 0.028 ng

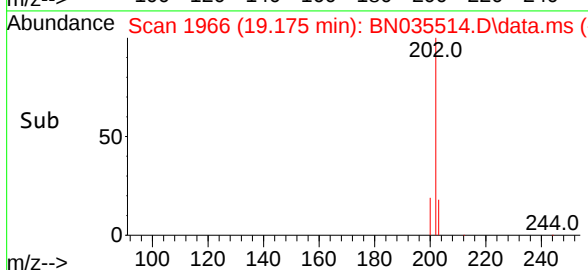
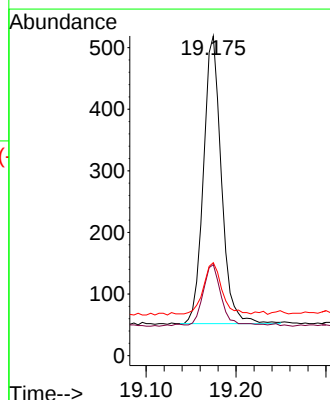
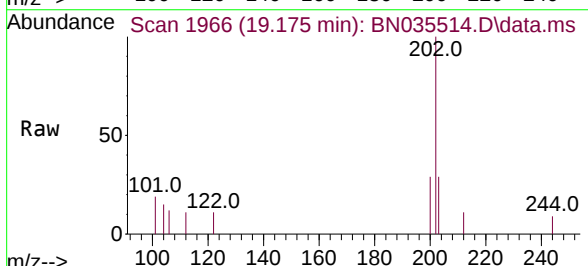
RT: 19.175 min Scan# 1966

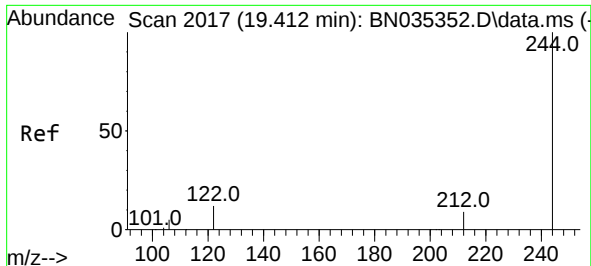
Delta R.T. -0.005 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

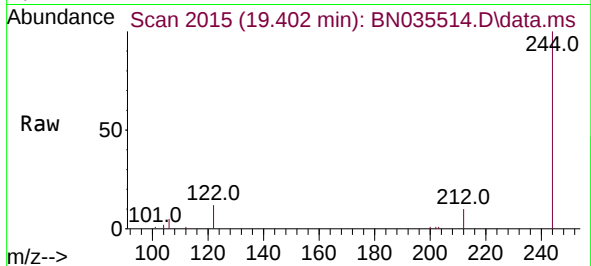
Tgt Ion:202	Resp:	646
Ion Ratio	Lower	Upper
202	100	
200	20.9	17.0 25.4
203	18.6	14.3 21.5





#31
 Terphenyl-d14
 Concen: 0.666 ng
 RT: 19.402 min Scan# 2017
 Delta R.T. -0.009 min
 Lab File: BN035514.D
 Acq: 09 Dec 2024 19:31

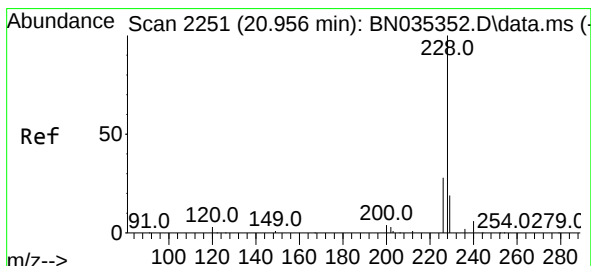
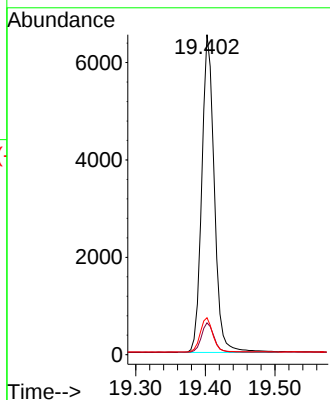
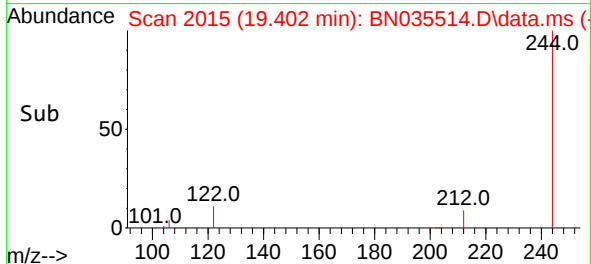
Instrument :
 BNA_N
 ClientSampleId :
 RE105D2-20241206



Tgt Ion:244 Resp: 818
 Ion Ratio Lower Upper
 244 100
 212 10.0 8.1 12.1
 122 11.5 10.3 15.5

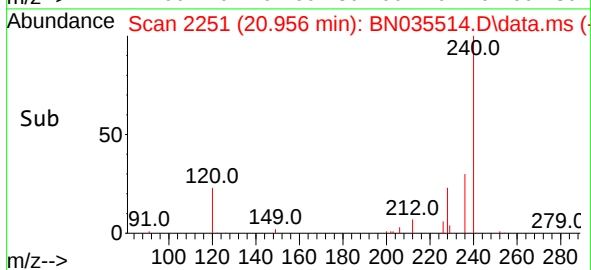
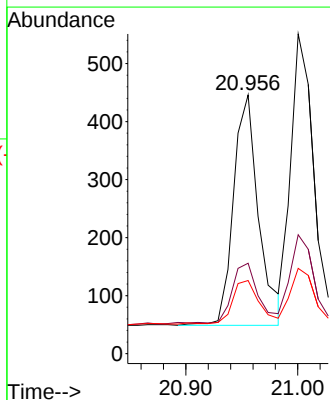
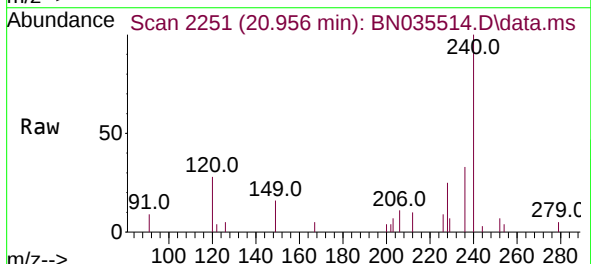
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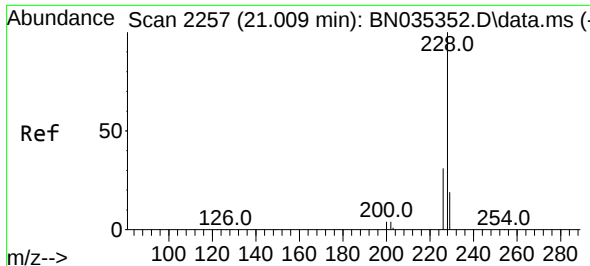
Reviewed By :Yogesh Patel 12/11/2024
 Supervised By :mohammad ahmed 12/11/2024



#32
 Benzo(a)anthracene
 Concen: 0.028 ng
 RT: 20.956 min Scan# 2251
 Delta R.T. -0.000 min
 Lab File: BN035514.D
 Acq: 09 Dec 2024 19:31

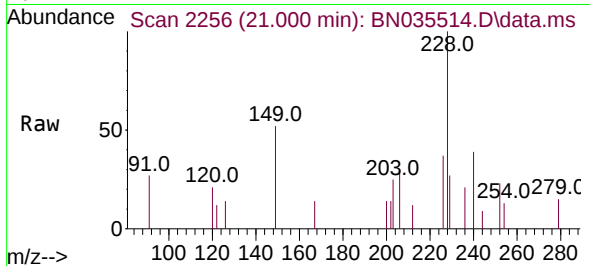
Tgt Ion:228 Resp: 618
 Ion Ratio Lower Upper
 228 100
 226 35.0 22.5 33.7#
 229 28.3 15.8 23.8#





#33
Chrysene
Concen: 0.034 ng
RT: 21.000 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

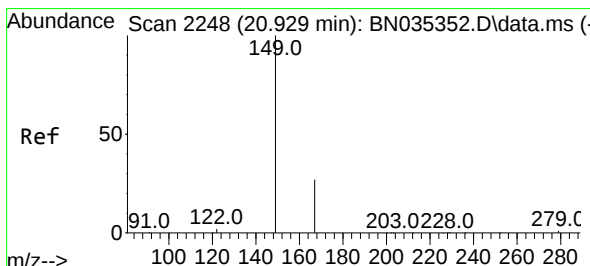
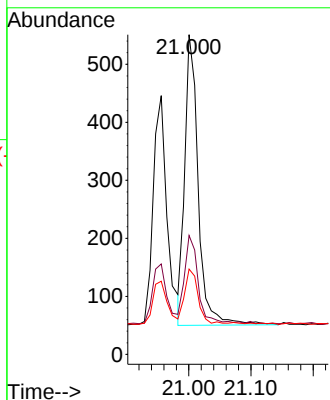
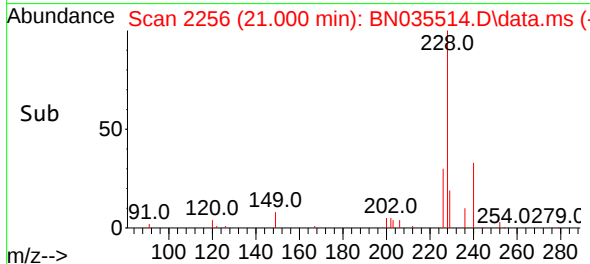
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206



Tgt Ion:228 Resp: 75
Ion Ratio Lower Upper
228 100
226 37.2 24.6 37.0
229 26.7 15.9 23.9

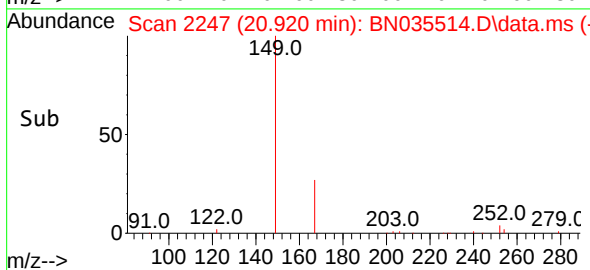
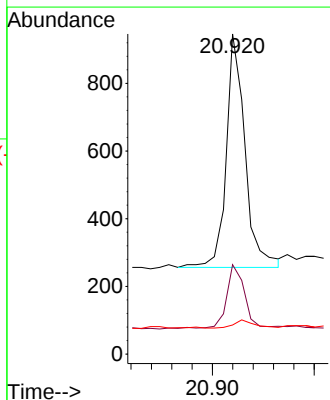
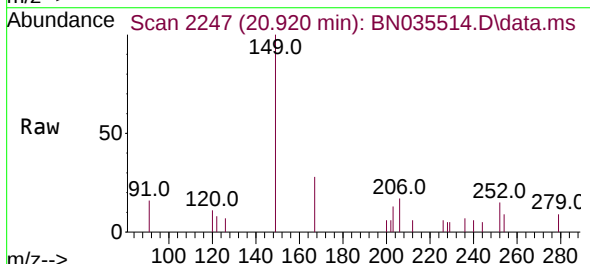
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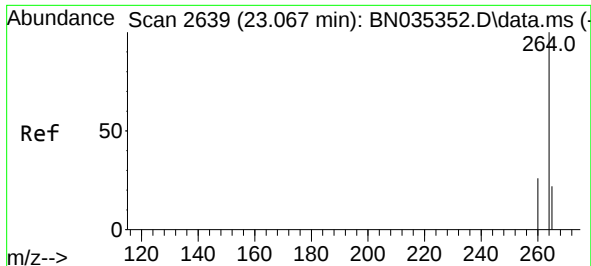
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.103 ng
RT: 20.920 min Scan# 2247
Delta R.T. -0.009 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

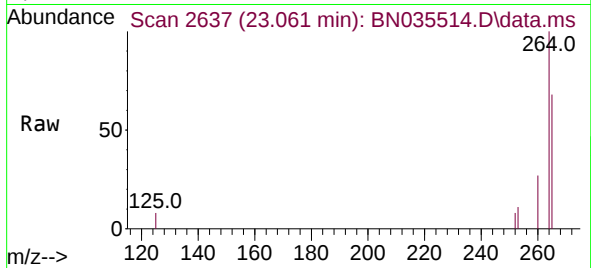
Tgt Ion:149 Resp: 882
Ion Ratio Lower Upper
149 100
167 25.9 22.2 33.4
279 3.7 2.7 4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.061 min Scan# 20
Delta R.T. -0.006 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

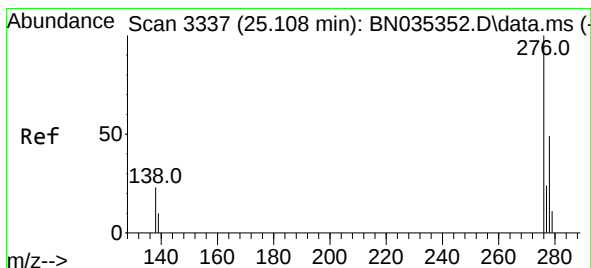
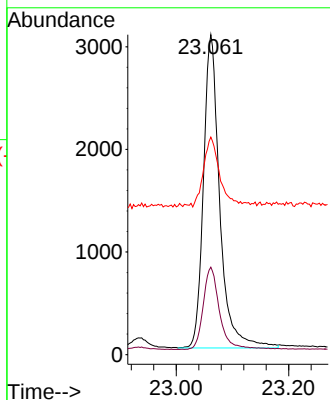
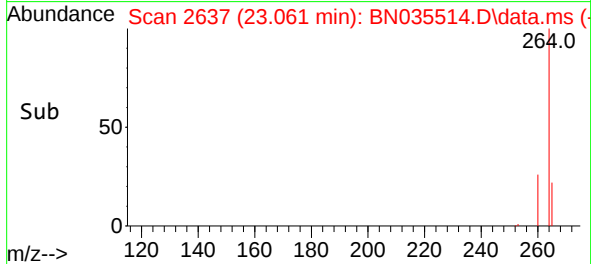
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206



Tgt Ion:264 Resp: 614
Ion Ratio Lower Upper
264 100
260 27.3 21.4 32.2
265 68.0 40.2 60.4

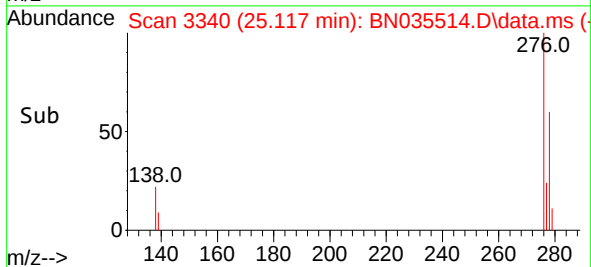
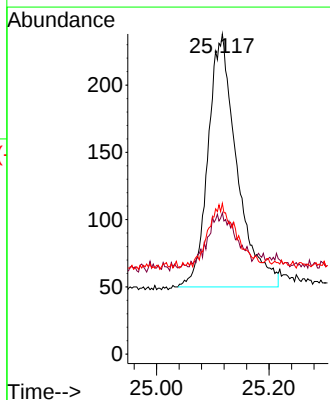
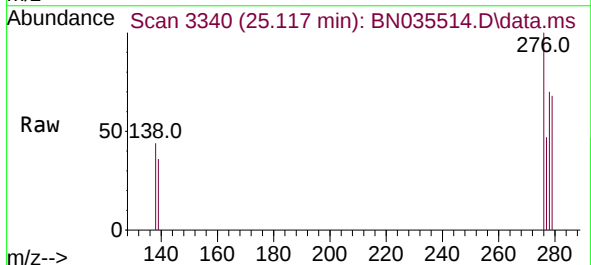
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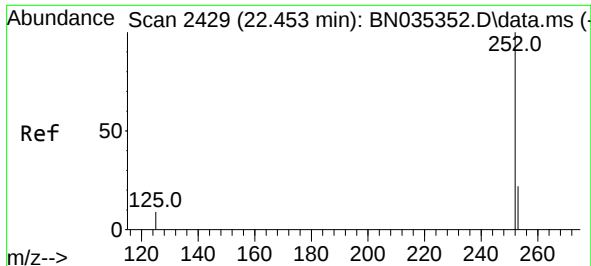
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.028 ng
RT: 25.117 min Scan# 3340
Delta R.T. 0.009 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

Tgt Ion:276 Resp: 670
Ion Ratio Lower Upper
276 100
138 8.7 19.4 29.0#
277 23.0 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.041 ng

RT: 22.450 min Scan# 2429

Delta R.T. -0.003 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

Instrument :

BNA_N

ClientSampleId :

RE105D2-20241206

Tgt Ion:252 Resp: 920

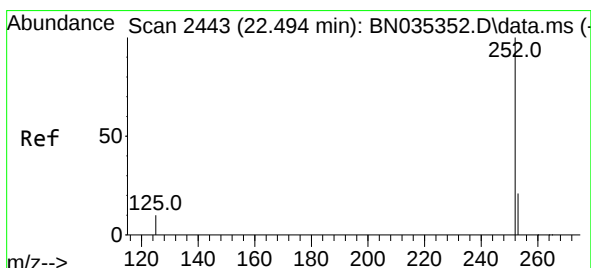
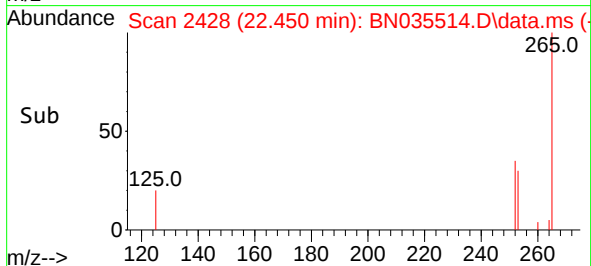
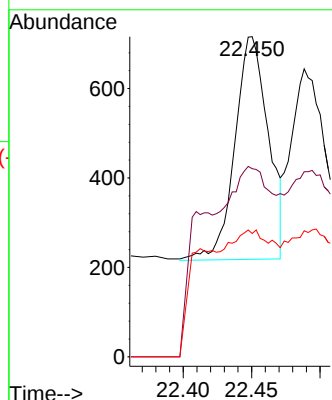
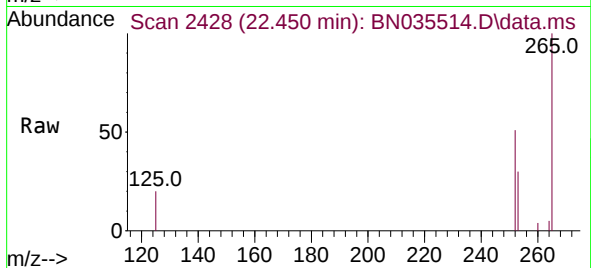
Ion	Ratio	Lower	Upper
252	100		
253	58.8	19.6	29.4#
125	38.5	9.6	14.4#

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: 0.033 ng

RT: 22.488 min Scan# 2441

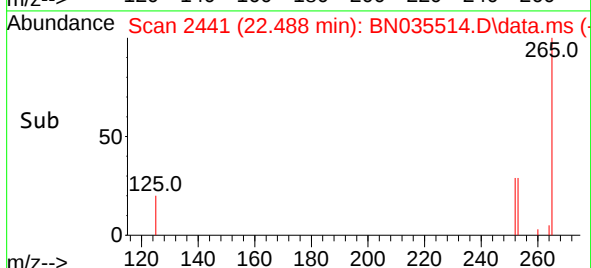
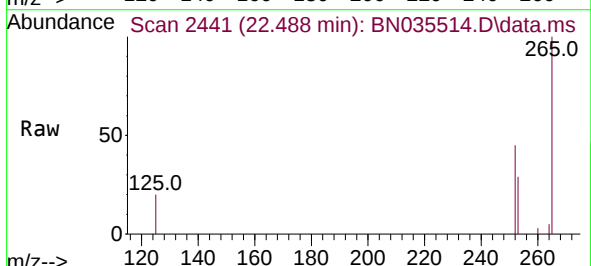
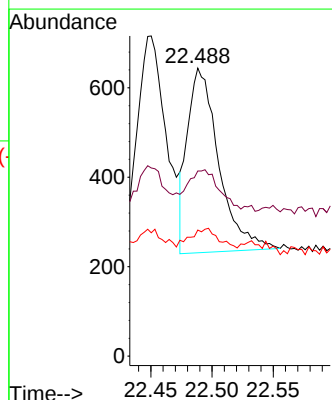
Delta R.T. -0.006 min

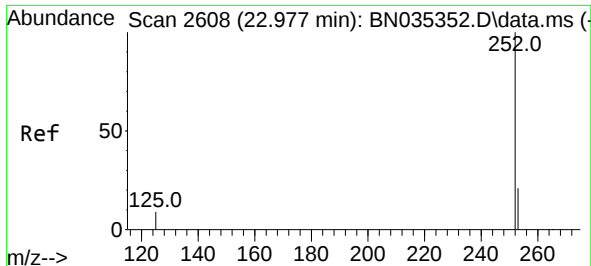
Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

Tgt Ion:252 Resp: 733

Ion	Ratio	Lower	Upper
252	100		
253	64.3	19.5	29.3#
125	43.8	10.2	15.4#





#39

Benzo(a)pyrene

Concen: 0.021 ng

RT: 22.971 min Scan# 2606

Delta R.T. -0.006 min

Lab File: BN035514.D

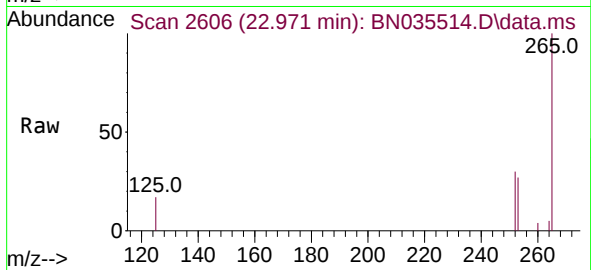
Acq: 09 Dec 2024 19:31

Instrument :

BNA_N

ClientSampleId :

RE105D2-20241206



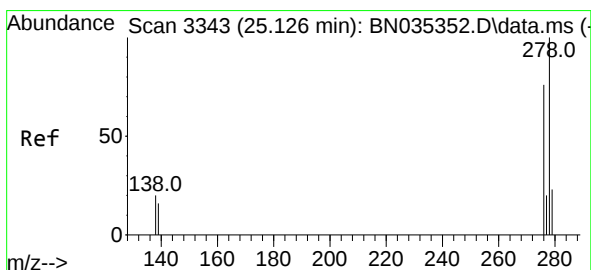
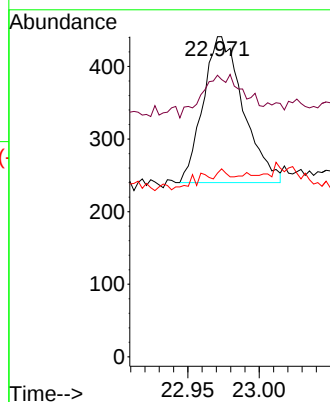
Tgt Ion:	252	Resp:	390
Ion Ratio	100		
Lower	20.2		
Upper	30.4		
253	88.0		
125	57.4		

Manual Integrations

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Reviewed By :Yogesh Patel 12/11/2024

Supervised By :mohammad ahmed 12/11/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.025 ng

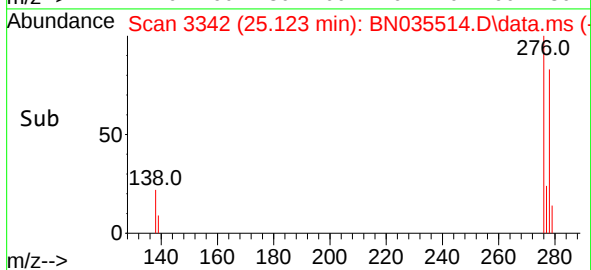
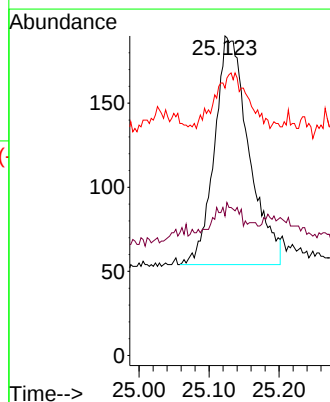
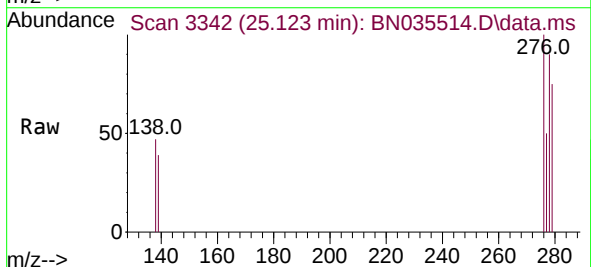
RT: 25.123 min Scan# 3342

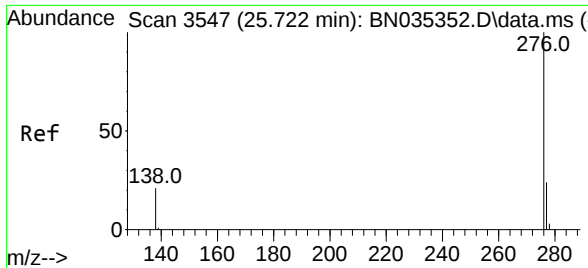
Delta R.T. -0.003 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

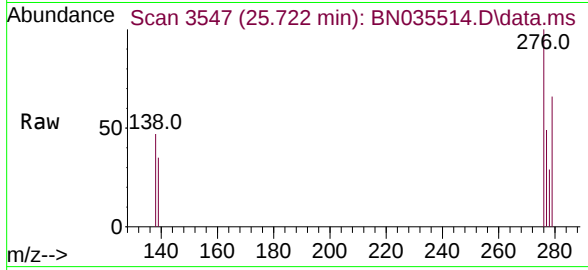
Tgt Ion:	278	Resp:	465
Ion Ratio	100		
Lower	14.2		
Upper	21.4		
139	43.7		
279	83.7		





#41
Benzo(g,h,i)perylene
Concen: 0.029 ng
RT: 25.722 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206



Tgt Ion: 276 Resp: 580

Ion	Ratio	Lower	Upper
276	100		
277	49.3	19.9	29.9
138	46.8	17.8	26.8

Manual Integrations
APPROVED

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

