

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
 Data File : BN035225.D
 Acq On : 21 Nov 2024 17:00
 Operator : RC/JU
 Sample : P4866-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW7-SP201-20241114

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 17:25:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:00:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.329	152	2730	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6373	0.400	ng	# 0.00
13) Acenaphthene-d10	13.987	164	3921	0.400	ng	0.00
19) Phenanthrene-d10	16.746	188	8423	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	1472	0.400	ng	# 0.00
35) Perylene-d12	23.104	264	2672	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.982	112	1046	0.151	ng	0.00
5) Phenol-d6	6.535	99	777	0.089	ng	0.00
8) Nitrobenzene-d5	8.461	82	1192m	0.215	ng	0.00
11) 2-Methylnaphthalene-d10	11.678	152	3504	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	989	0.350	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1511	0.095	ng	0.00
27) Fluoranthene-d10	18.806	212	9431	0.365	ng	0.00
31) Terphenyl-d14	19.433	244	7079	2.292	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.011	88	3185	1.284	ng	# 85
6) bis(2-Chloroethyl)ether	6.781	93	137	0.021	ng	# 78
12) 2-Methylnaphthalene	11.754	142	248	0.020	ng	# 72
18) Fluorene	15.045	166	432	0.027	ng	100
21) 4-Bromophenyl-phenylether	15.964	248	173	0.032	ng	# 44
22) Hexachlorobenzene	16.064	284	204	0.037	ng	# 87
25) Phenanthrene	16.796	178	719	0.032	ng	97
26) Anthracene	16.883	178	467m	0.023	ng	
28) Fluoranthene	18.834	202	734	0.024	ng	# 95
30) Pyrene	19.206	202	585	0.119	ng	97
36) Indeno(1,2,3-cd)pyrene	25.165	276	515	0.048	ng	# 55
37) Benzo(b)fluoranthene	22.484	252	728	0.081	ng	# 26
38) Benzo(k)fluoranthene	22.525	252	680	0.076	ng	# 19
39) Benzo(a)pyrene	23.014	252	345	0.044	ng	# 1
40) Dibenzo(a,h)anthracene	25.177	278	384	0.045	ng	# 1
41) Benzo(g,h,i)perylene	25.776	276	465	0.052	ng	# 23

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

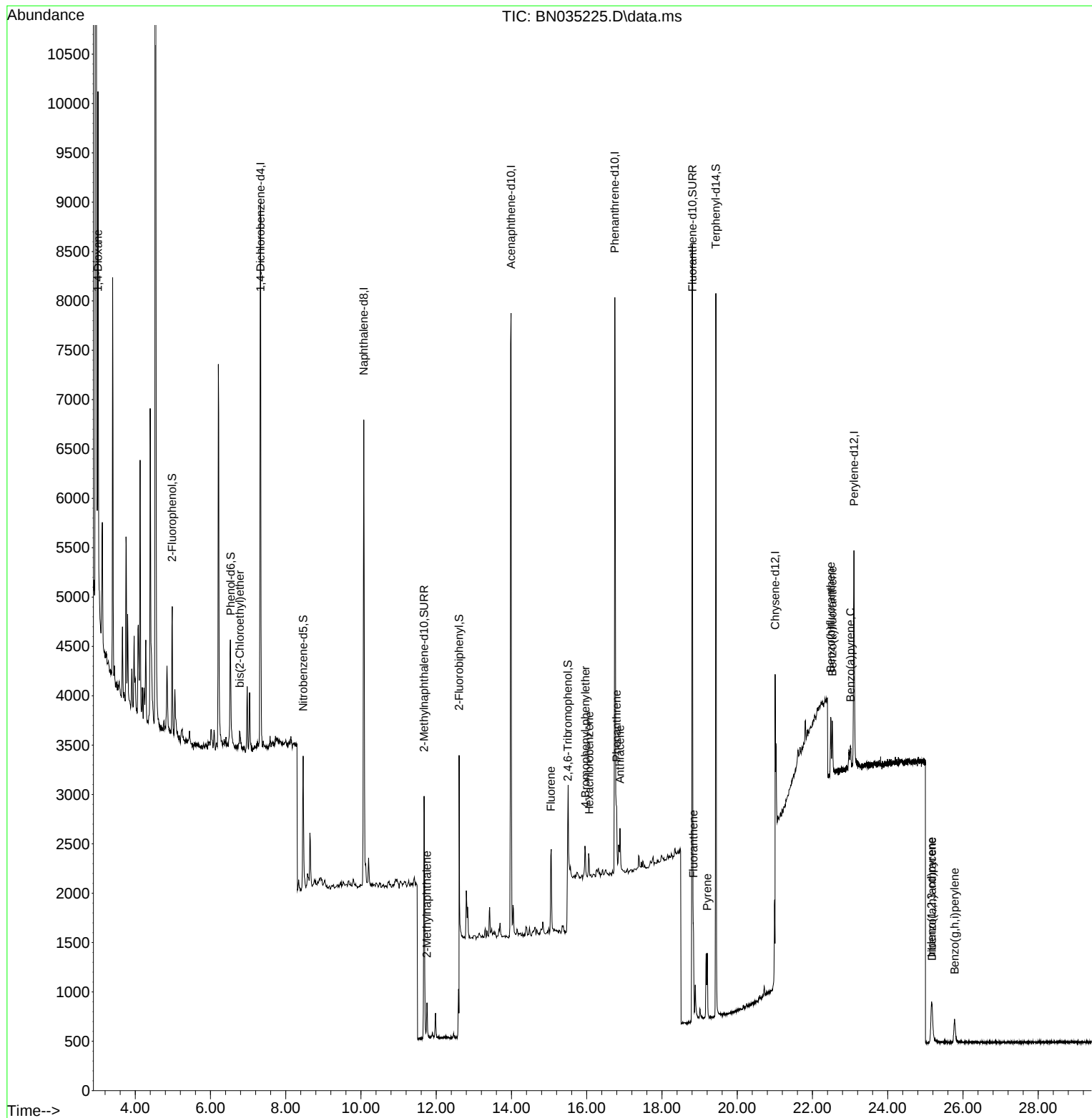
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
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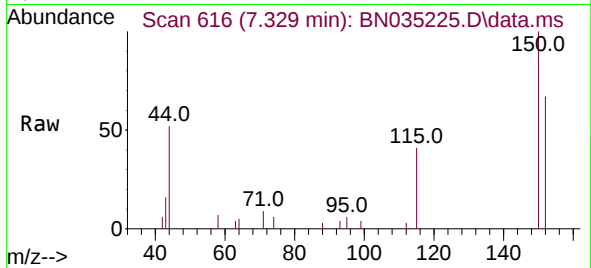
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.329 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

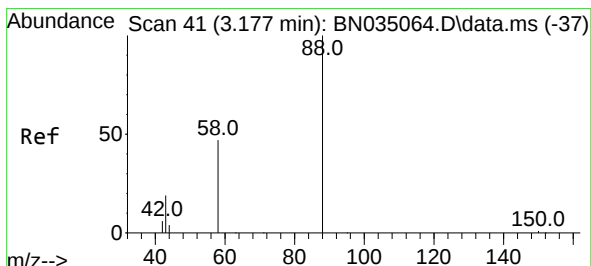
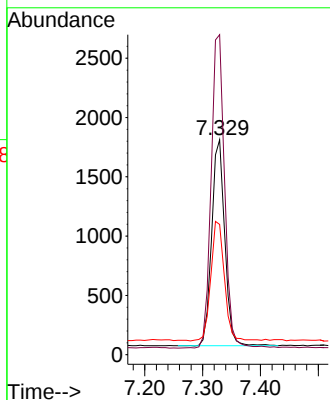
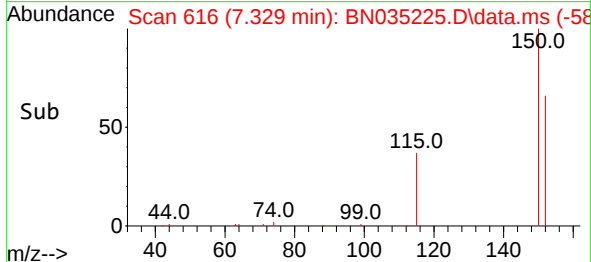
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114



Tgt Ion: 152 Resp: 2730
Ion Ratio Lower Upper
152 100
150 149.0 124.5 186.7
115 60.6 47.8 71.6

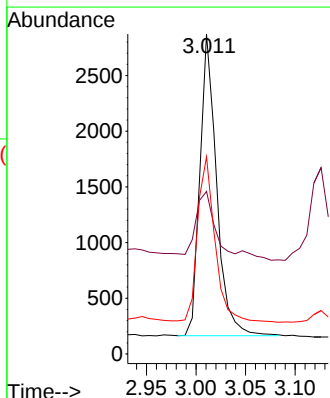
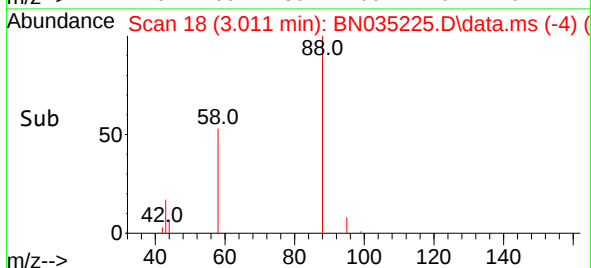
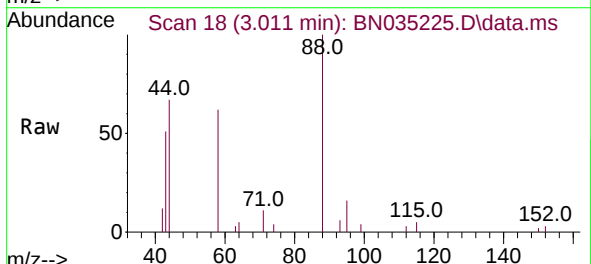
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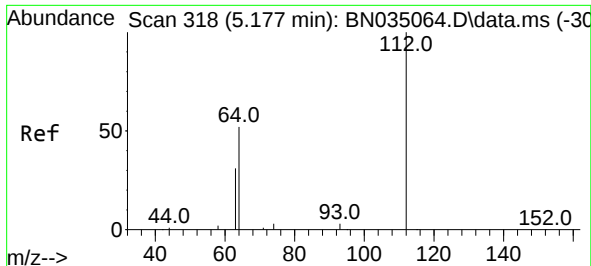
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#2
1,4-Dioxane
Concen: 1.284 ng
RT: 3.011 min Scan# 18
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion: 88 Resp: 3185
Ion Ratio Lower Upper
88 100
43 29.7 16.9 25.3#
58 57.5 39.0 58.4





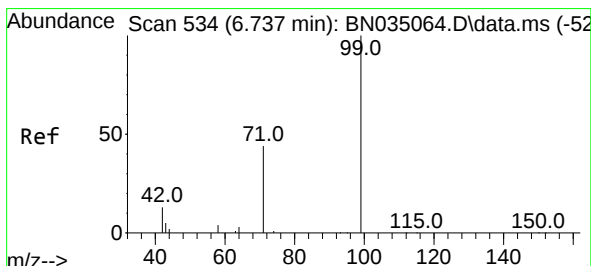
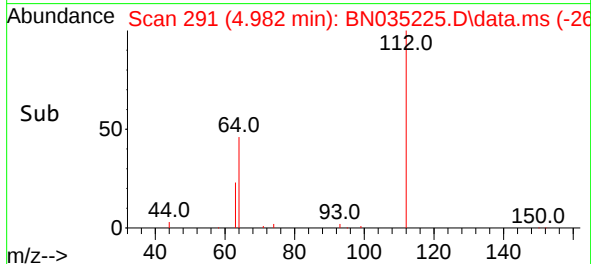
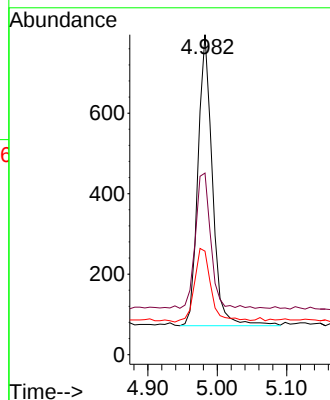
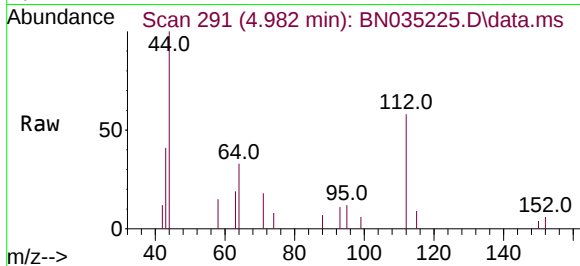
#4
2-Fluorophenol
Concen: 0.151 ng
RT: 4.982 min Scan# 291
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

Tgt Ion: 112 Resp: 1040
Ion Ratio Lower Upper
112 100
64 48.2 39.7 59.5
63 29.3 23.0 34.4

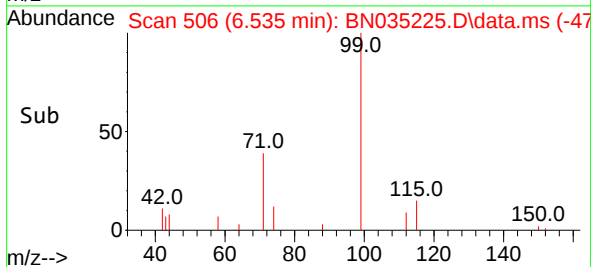
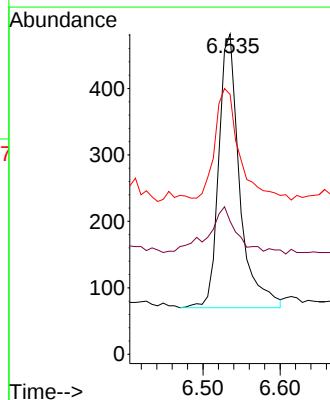
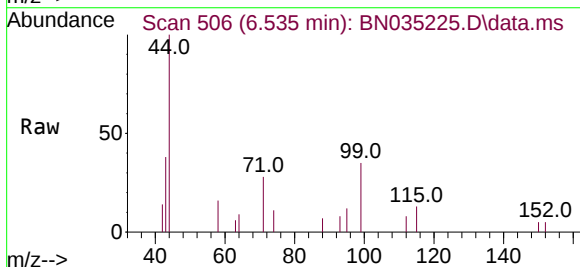
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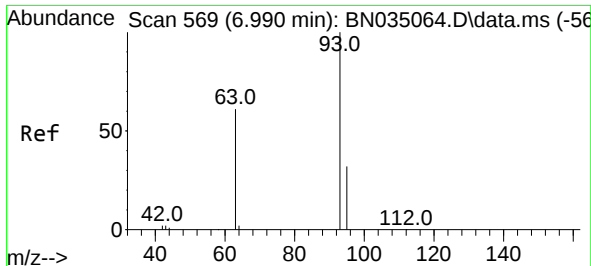
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#5
Phenol-d6
Concen: 0.089 ng
RT: 6.535 min Scan# 506
Delta R.T. 0.007 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion: 99 Resp: 777
Ion Ratio Lower Upper
99 100
42 25.0 11.4 17.0#
71 47.9 34.6 51.8





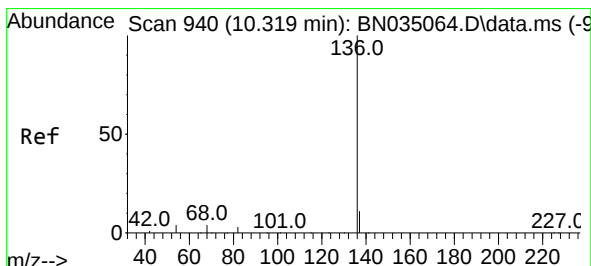
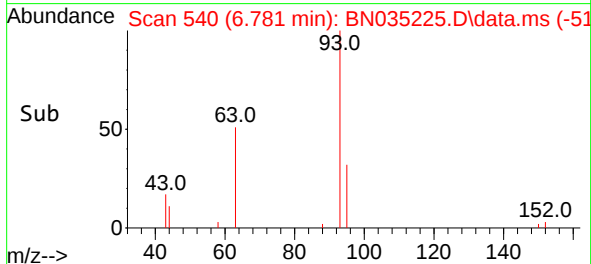
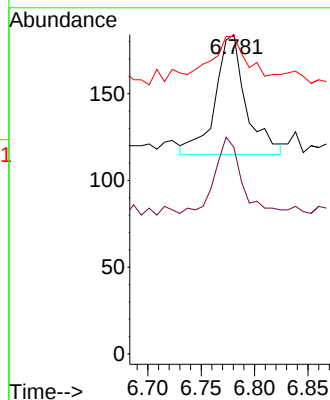
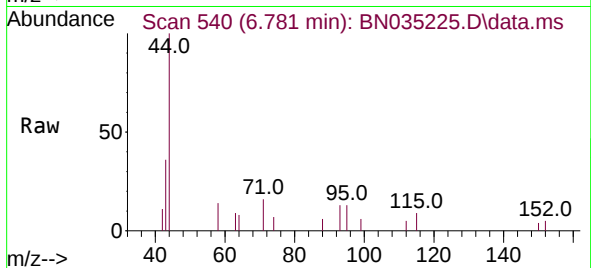
#6
bis(2-Chloroethyl)ether
Concen: 0.021 ng
RT: 6.781 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

Tgt Ion: 93 Resp: 13
Ion Ratio Lower Upper
93 100
63 63.5 47.4 71.2
95 61.3 26.2 39.4

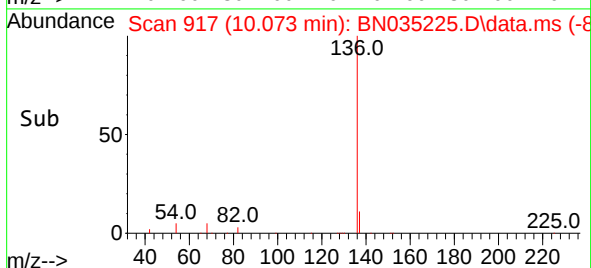
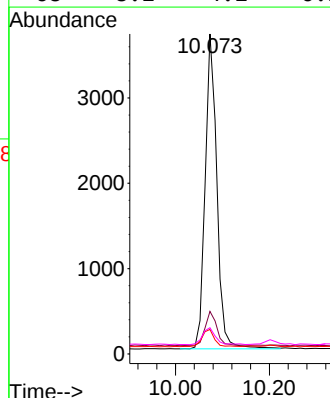
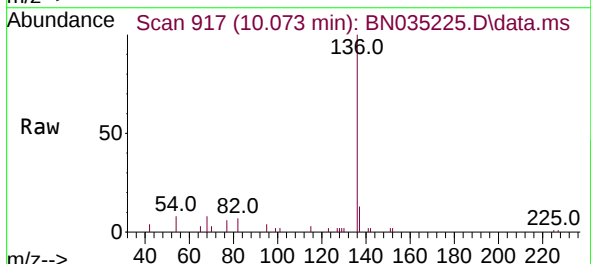
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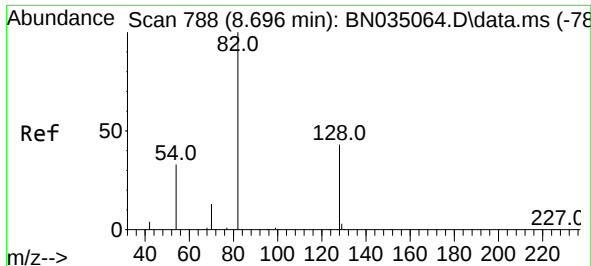
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion:136 Resp: 6373
Ion Ratio Lower Upper
136 100
137 13.3 9.8 14.8
54 7.6 4.0 6.0#
68 8.2 4.2 6.2#





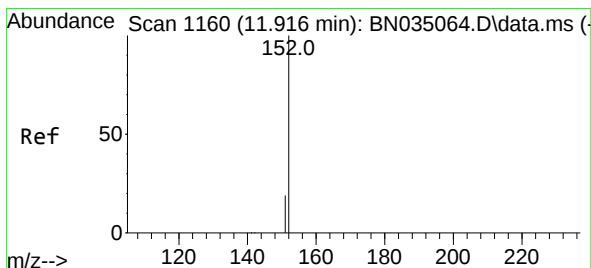
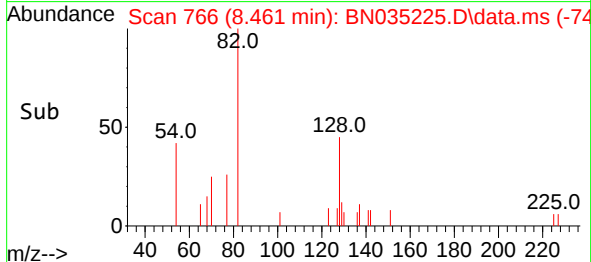
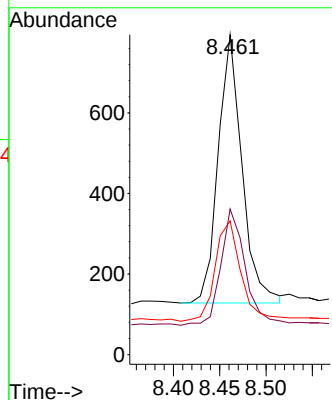
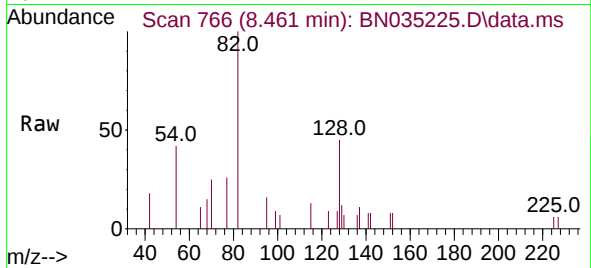
#8
Nitrobenzene-d5
Concen: 0.215 ng m
RT: 8.461 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

Tgt Ion: 82 Resp: 1192
Ion Ratio Lower Upper
82 100
128 45.5 36.5 54.7
54 41.8 28.7 43.1

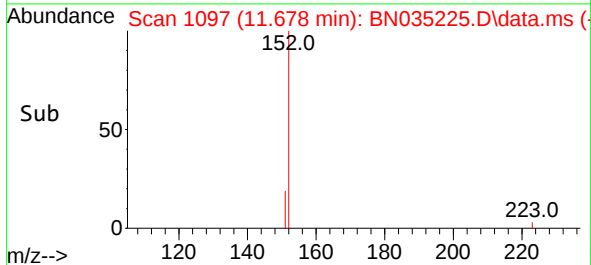
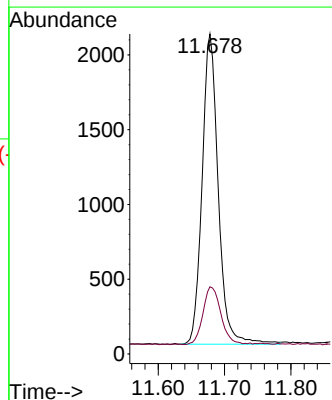
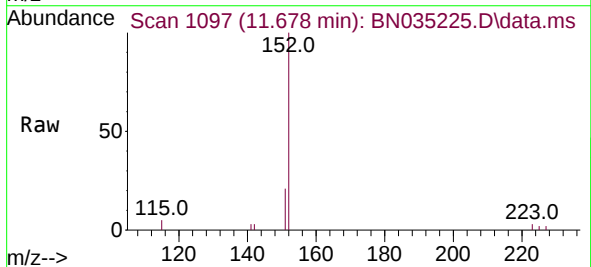
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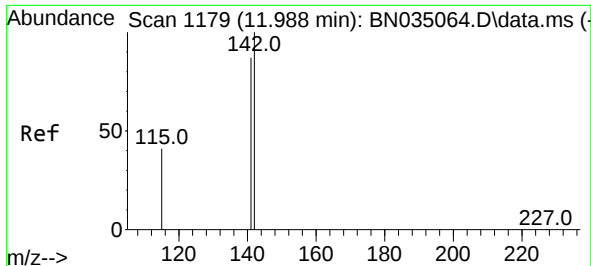
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 11.678 min Scan# 1097
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion:152 Resp: 3504
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.020 ng

RT: 11.754 min Scan# 1117

Delta R.T. 0.000 min

Lab File: BN035225.D

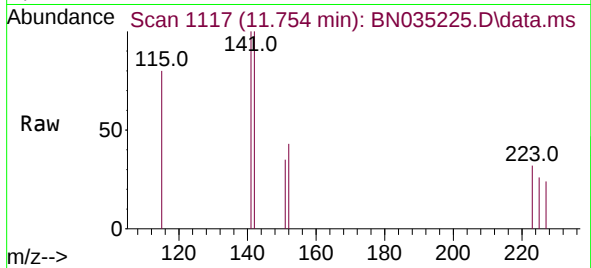
Acq: 21 Nov 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW7-SP201-20241114



Tgt Ion:142 Resp: 248

Ion Ratio Lower Upper

142 100

141 99.5 70.1 105.1

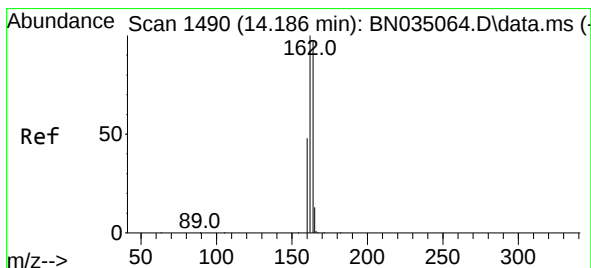
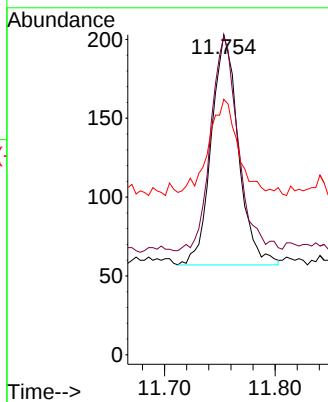
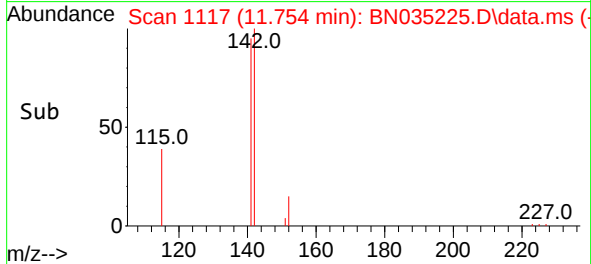
115 79.8 34.4 51.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.987 min Scan# 1472

Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

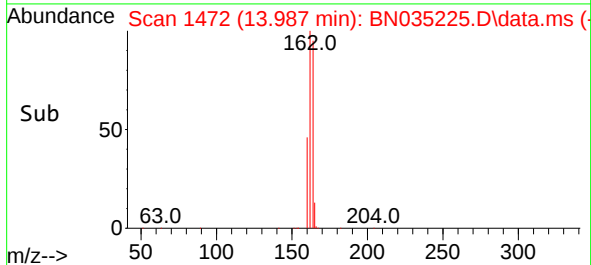
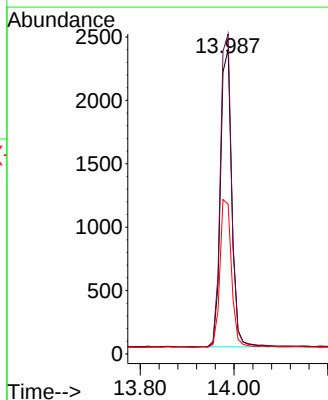
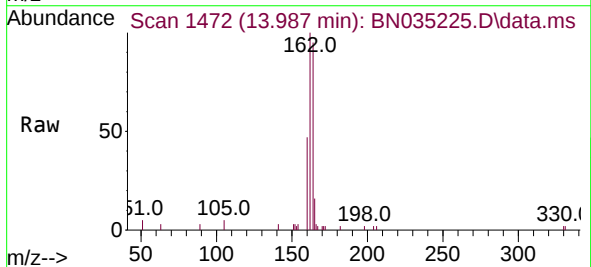
Tgt Ion:164 Resp: 3921

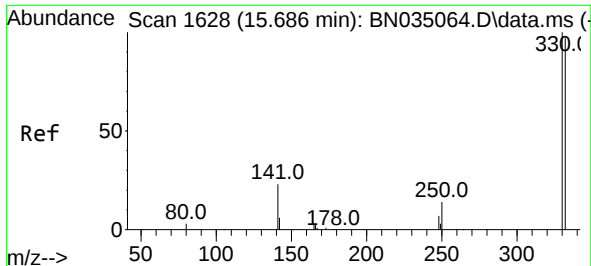
Ion Ratio Lower Upper

164 100

162 105.0 82.2 123.2

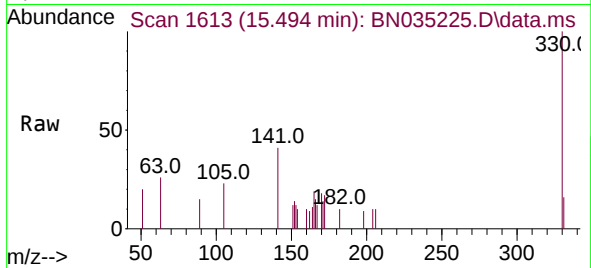
160 49.2 40.2 60.4





#14
2,4,6-Tribromophenol
Concen: 0.350 ng
RT: 15.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

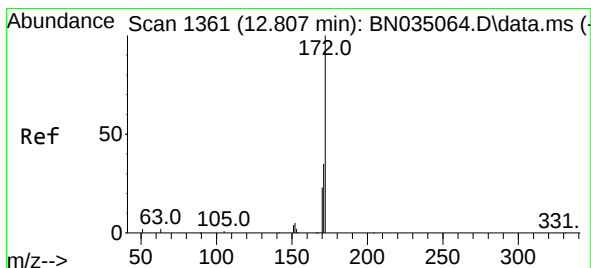
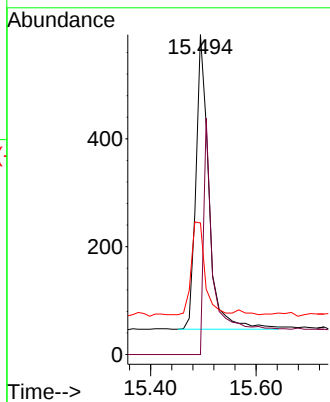
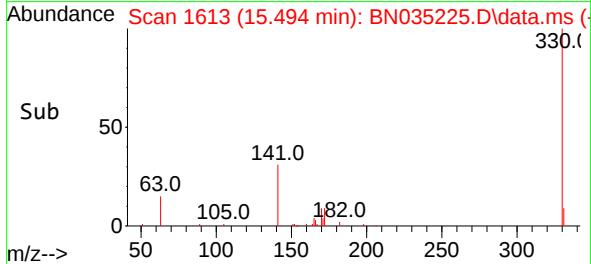
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114



Tgt Ion:330 Resp: 989
Ion Ratio Lower Upper
330 100
332 84.6 76.9 115.3
141 0.0 29.6 44.4

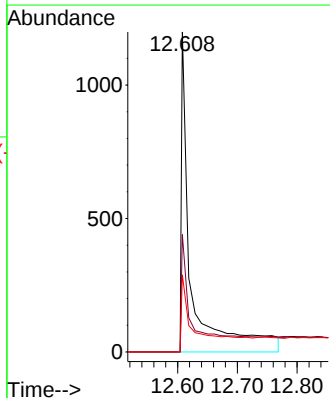
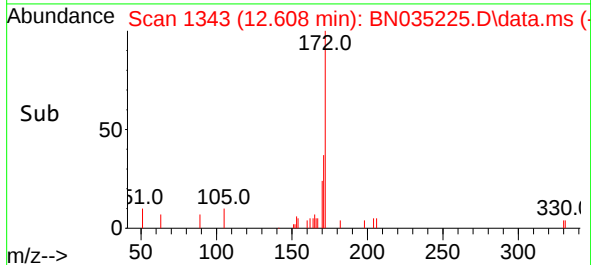
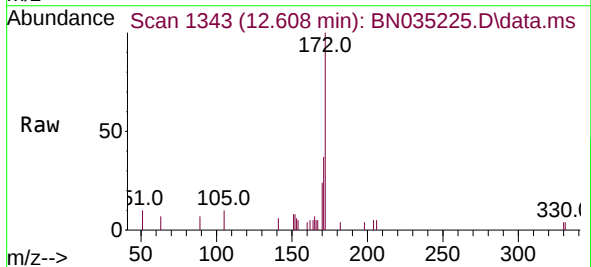
Manual Integrations
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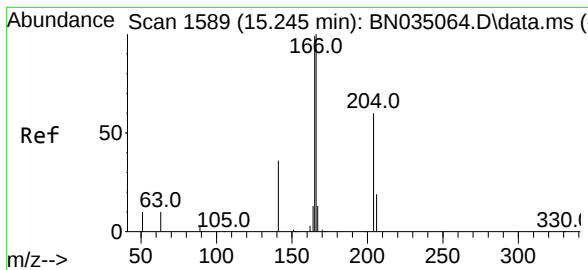
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#15
2-Fluorobiphenyl
Concen: 0.095 ng
RT: 12.608 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

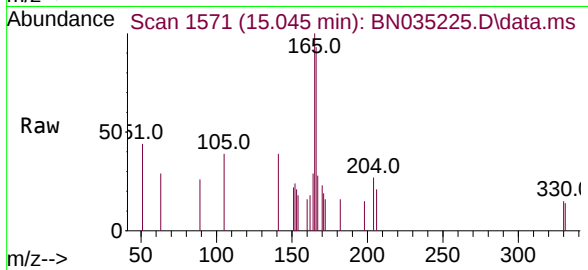
Tgt Ion:172 Resp: 1511
Ion Ratio Lower Upper
172 100
171 36.7 28.2 42.4
170 24.1 19.0 28.6





#18
Fluorene
Concen: 0.027 ng
RT: 15.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

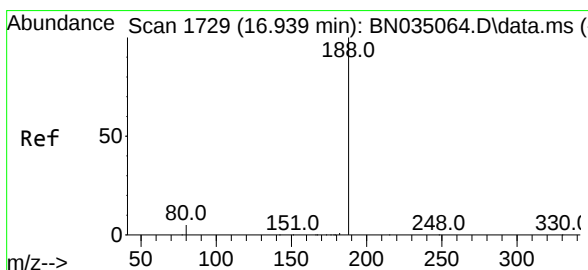
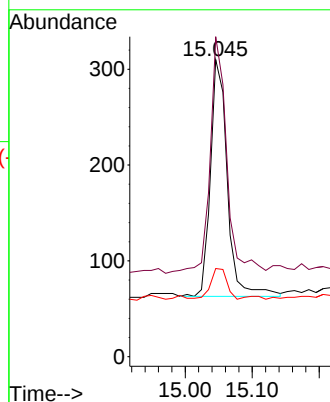
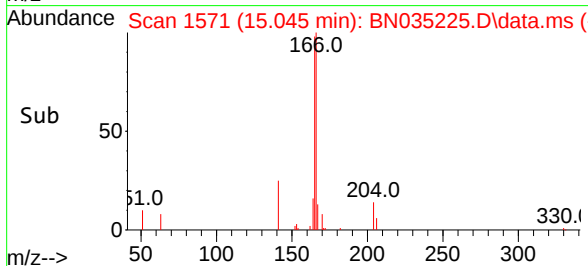
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114



Tgt Ion:166 Resp: 432
Ion Ratio Lower Upper
166 100
165 98.8 79.1 118.7
167 13.2 10.6 16.0

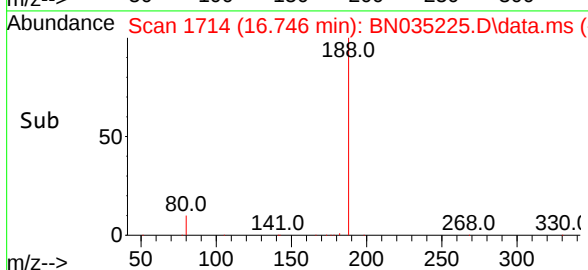
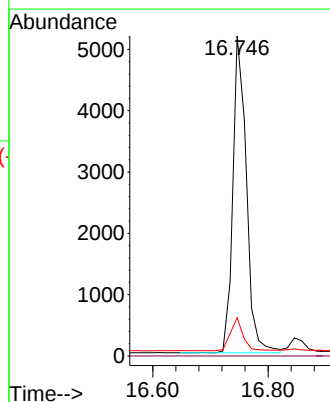
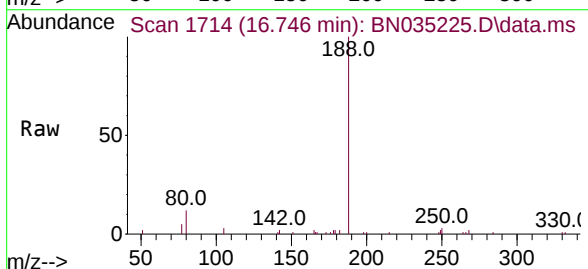
Manual Integrations
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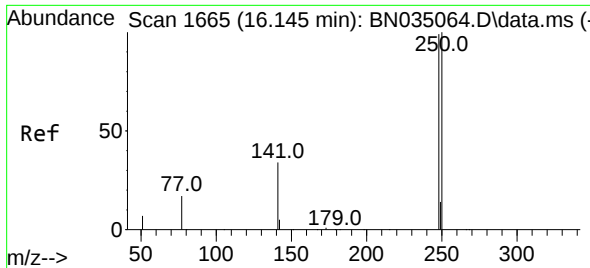
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

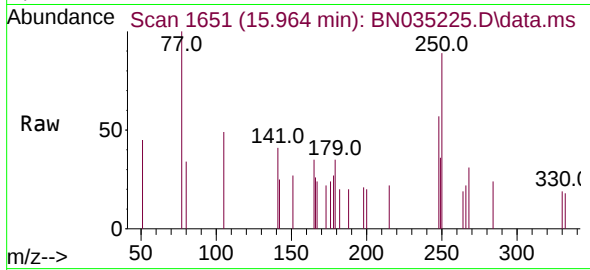
Tgt Ion:188 Resp: 8423
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.0 4.3 6.5





#21
4-Bromophenyl-phenylether
Concen: 0.032 ng
RT: 15.964 min Scan# 1651
Delta R.T. 0.012 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

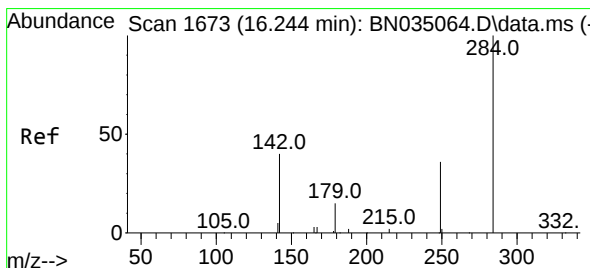
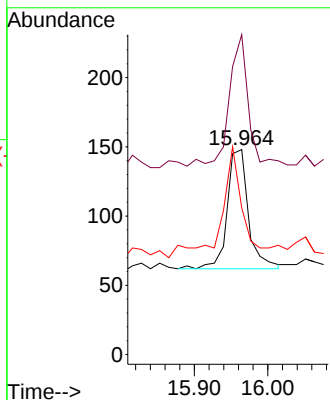
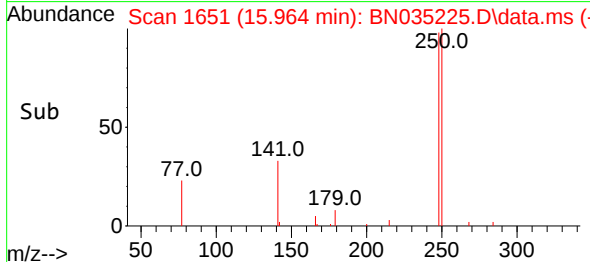
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114



Tgt Ion:248 Resp: 177
Ion Ratio Lower Upper
248 100
250 156.1 81.2 121.8
141 71.6 29.1 43.7

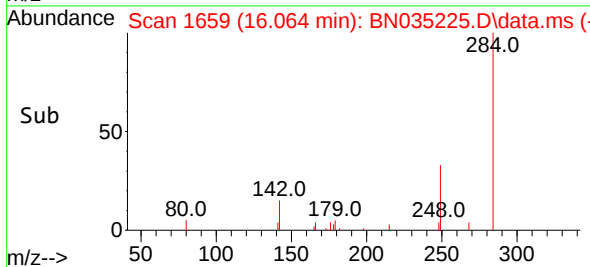
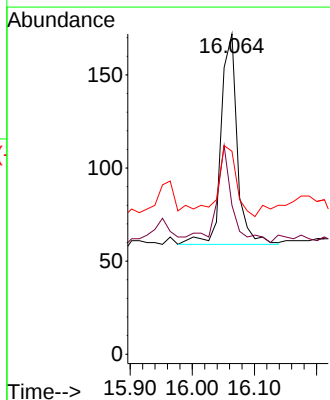
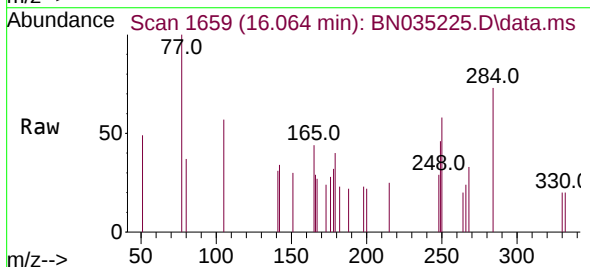
Manual Integrations
APPROVED

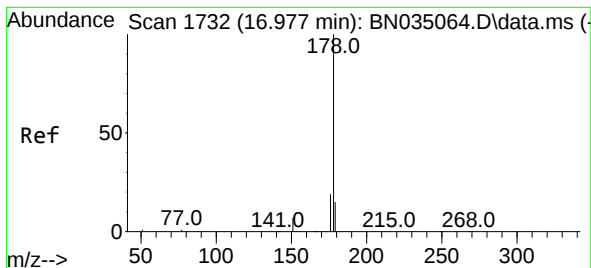
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#22
Hexachlorobenzene
Concen: 0.037 ng
RT: 16.064 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion:284 Resp: 204
Ion Ratio Lower Upper
284 100
142 44.6 28.2 42.4
249 38.2 26.2 39.2





#25

Phenanthrene

Concen: 0.032 ng

RT: 16.796 min Scan# 1718

Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW7-SP201-20241114

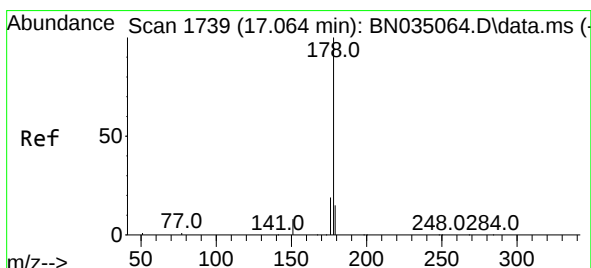
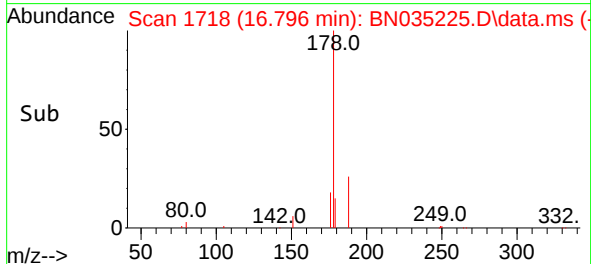
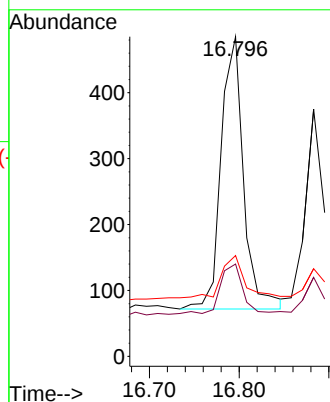
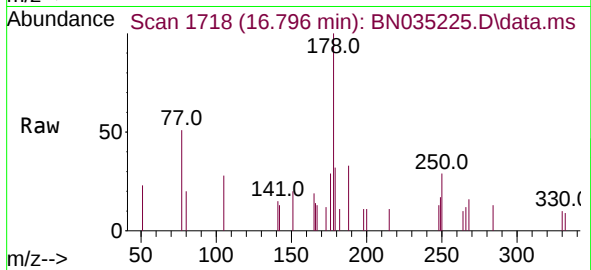
Tgt Ion:	178	Resp:	719
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.2	22.8
179	17.9	12.6	18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#26

Anthracene

Concen: 0.023 ng m

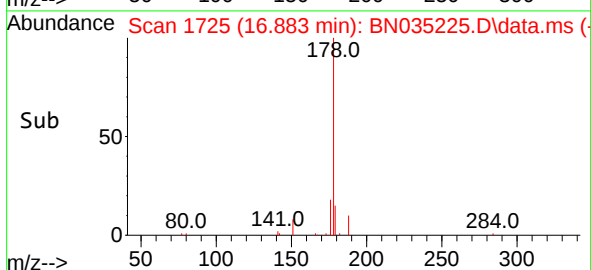
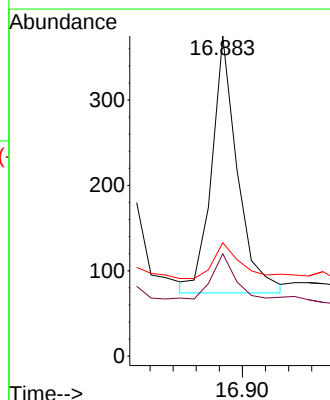
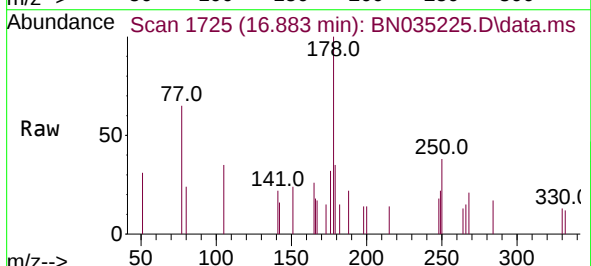
RT: 16.883 min Scan# 1725

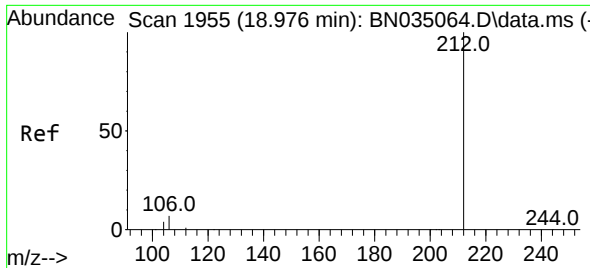
Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

Tgt Ion:	178	Resp:	467
Ion Ratio	Lower	Upper	
178	100		
176	28.7	14.6	22.0#
179	25.7	12.2	18.2#





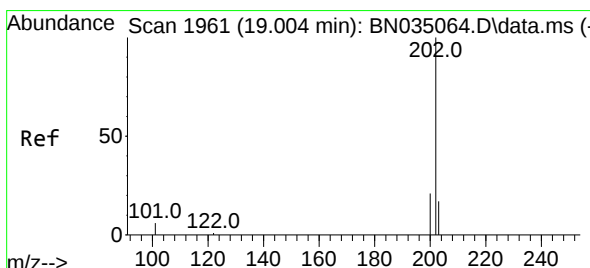
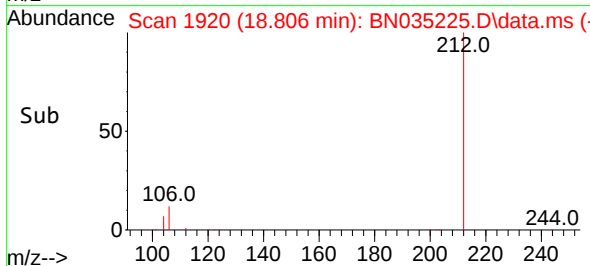
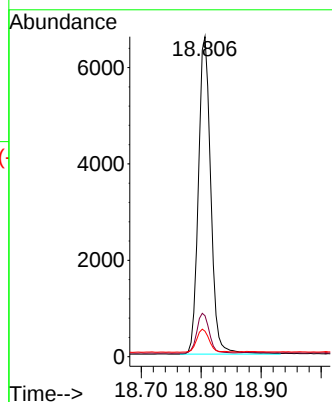
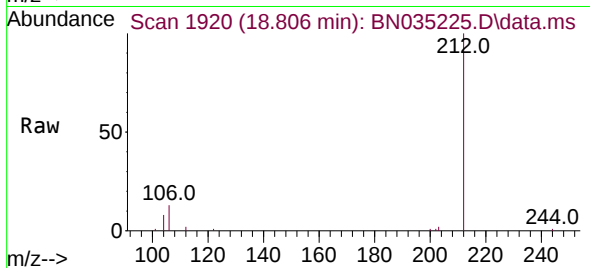
#27
Fluoranthene-d10
Concen: 0.365 ng
RT: 18.806 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114

Tgt Ion:212 Resp: 943
Ion Ratio Lower Upper
212 100
106 12.7 6.0 9.0#
104 7.3 3.5 5.3#

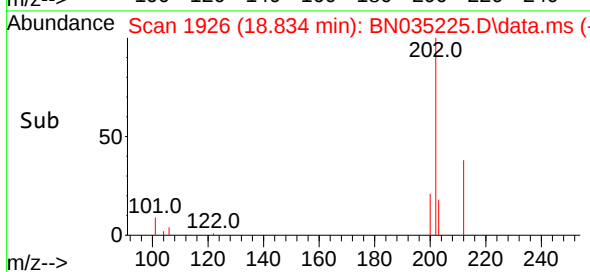
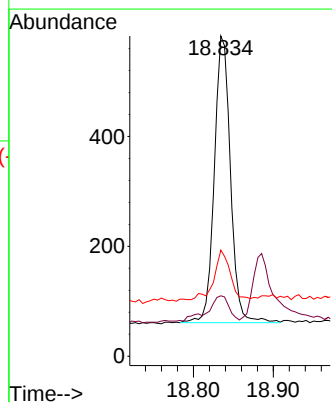
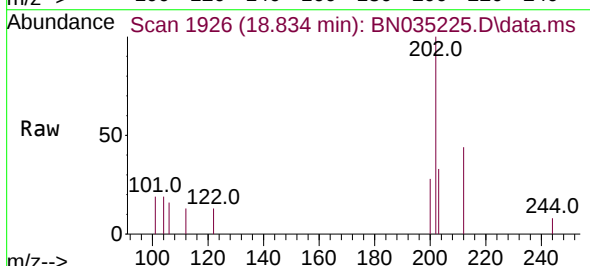
Manual Integrations
APPROVED

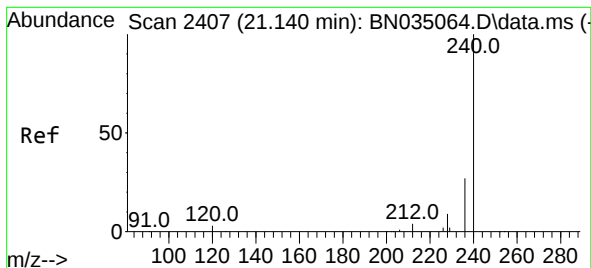
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#28
Fluoranthene
Concen: 0.024 ng
RT: 18.834 min Scan# 1926
Delta R.T. -0.005 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion:202 Resp: 734
Ion Ratio Lower Upper
202 100
101 11.4 5.2 7.8#
203 17.7 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

Instrument :

BNA_N

ClientSampleId :

RW7-SP201-20241114

Tgt Ion:240 Resp: 1472

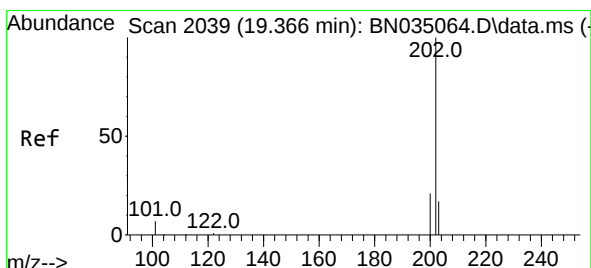
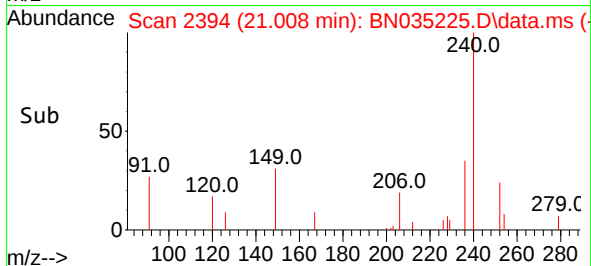
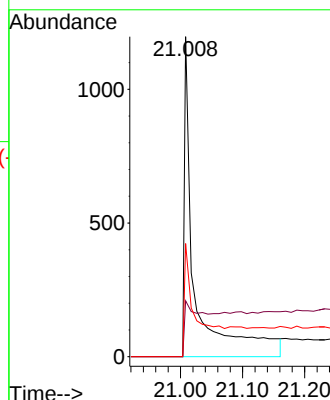
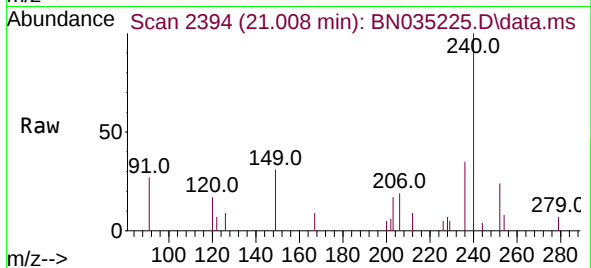
Ion	Ratio	Lower	Upper
240	100		
120	17.5	3.8	5.6
236	35.3	22.2	33.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#30

Pyrene

Concen: 0.119 ng

RT: 19.206 min Scan# 2006

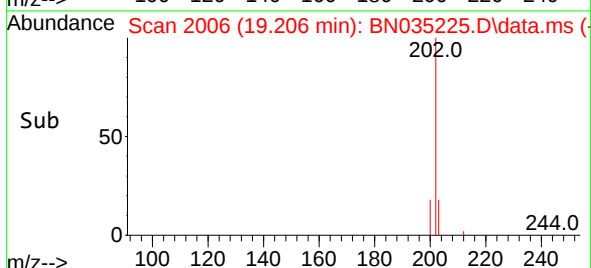
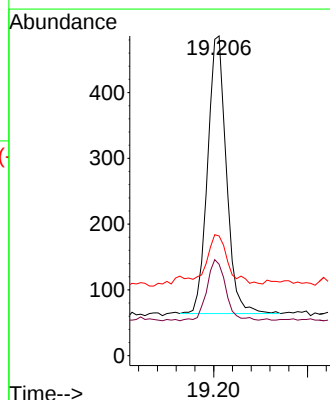
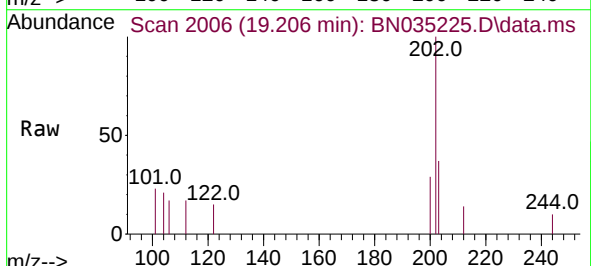
Delta R.T. 0.000 min

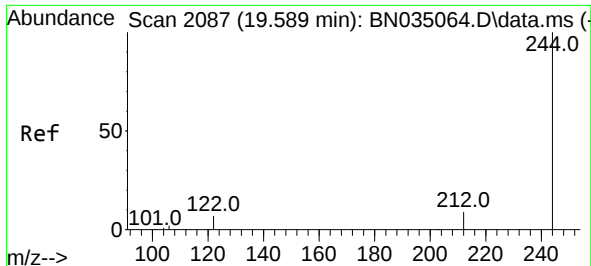
Lab File: BN035225.D

Acq: 21 Nov 2024 17:00

Tgt Ion:202 Resp: 585

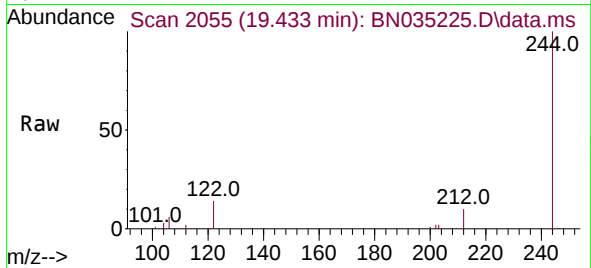
Ion	Ratio	Lower	Upper
202	100		
200	22.4	16.7	25.1
203	19.3	14.2	21.4





#31
Terphenyl-d14
Concen: 2.292 ng
RT: 19.433 min Scan# 2087
Delta R.T. -0.005 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

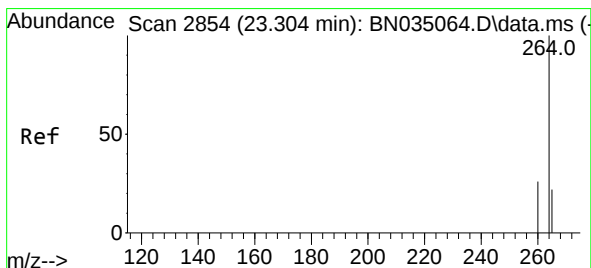
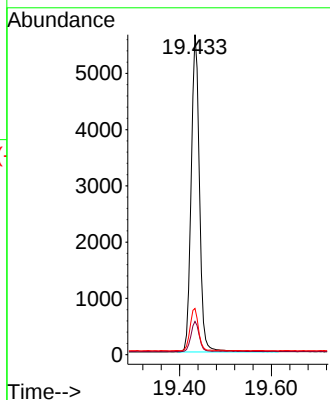
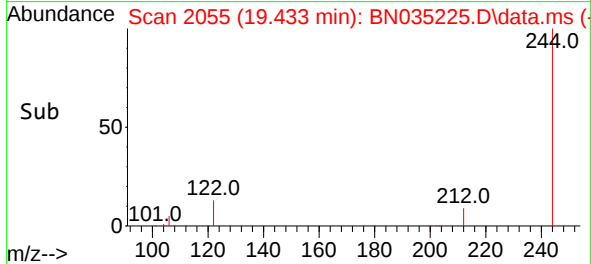
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114



Tgt Ion:244 Resp: 7079
Ion Ratio Lower Upper
244 100
212 10.4 7.6 11.4
122 14.5 6.1 9.1

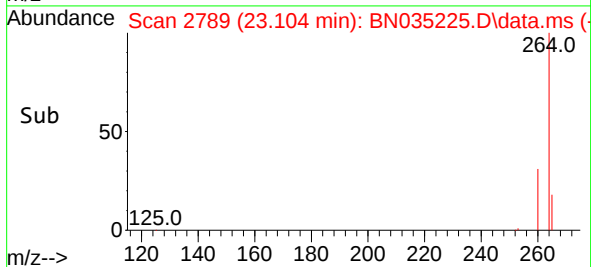
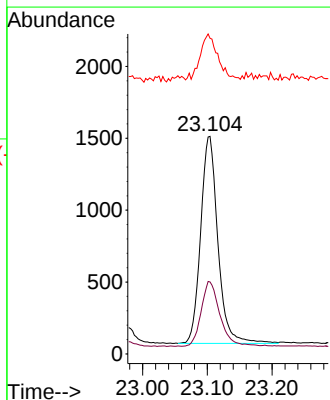
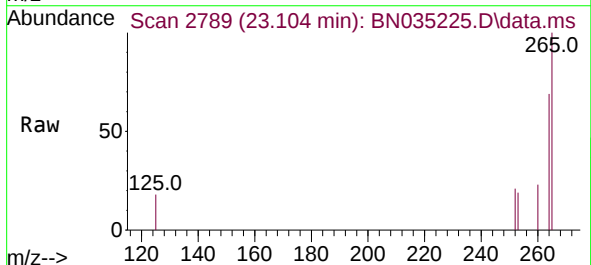
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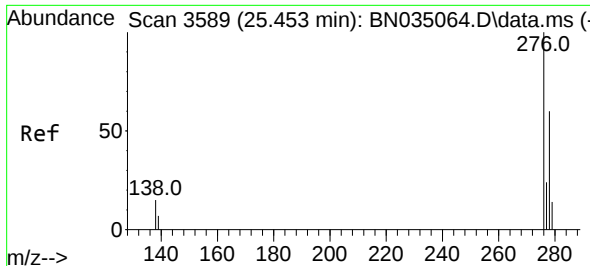
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.104 min Scan# 2789
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

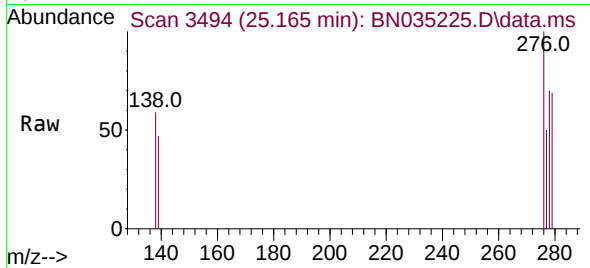
Tgt Ion:264 Resp: 2672
Ion Ratio Lower Upper
264 100
260 33.1 20.9 31.3#
265 145.0 35.4 53.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.048 ng
RT: 25.165 min Scan# 3494
Delta R.T. 0.009 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

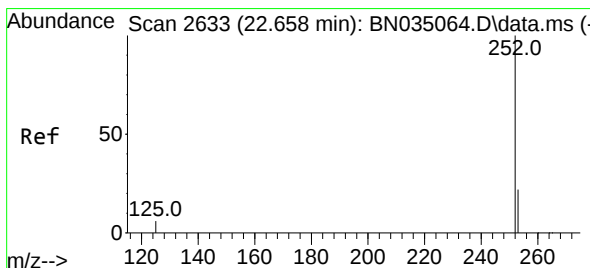
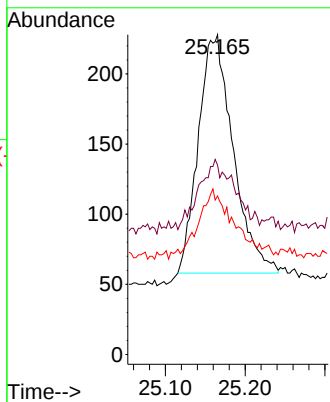
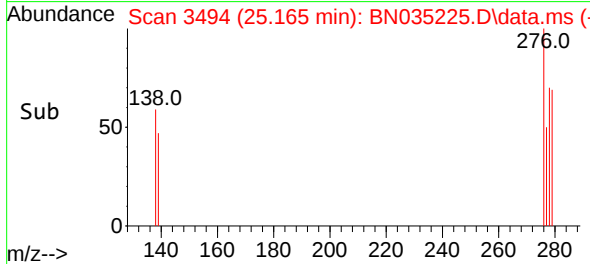
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114



Tgt Ion:276 Resp: 519
Ion Ratio Lower Upper
276 100
138 0.0 13.0 19.4#
277 0.0 19.8 29.6#

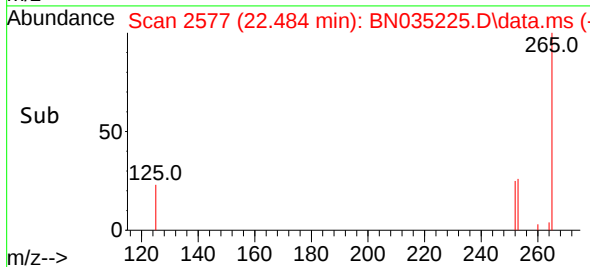
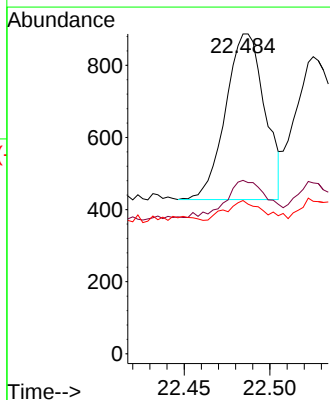
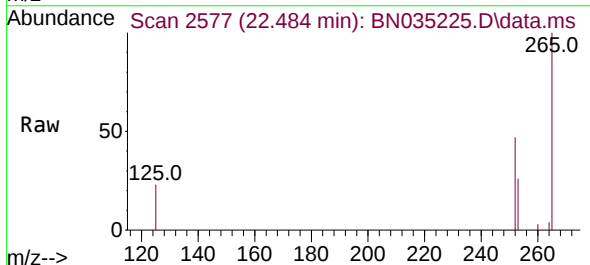
Manual Integrations
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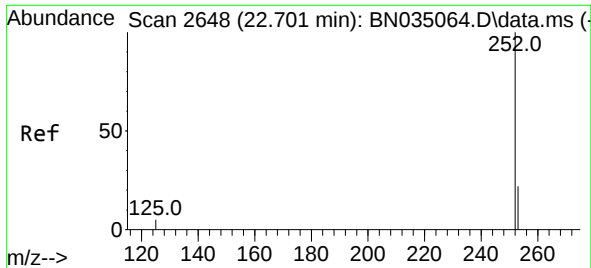
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#37
Benzo(b)fluoranthene
Concen: 0.081 ng
RT: 22.484 min Scan# 2577
Delta R.T. -0.003 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

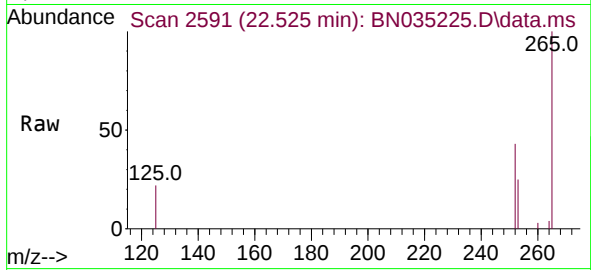
Tgt Ion:252 Resp: 728
Ion Ratio Lower Upper
252 100
253 54.2 19.3 28.9#
125 47.9 6.2 9.2#





#38
Benzo(k)fluoranthene
Concen: 0.076 ng
RT: 22.525 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

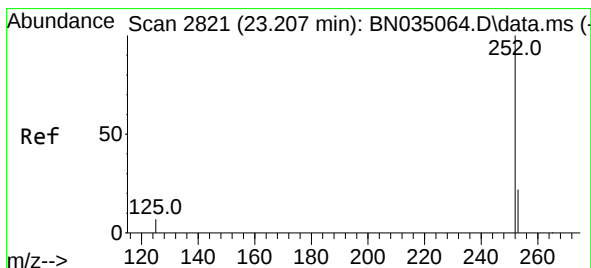
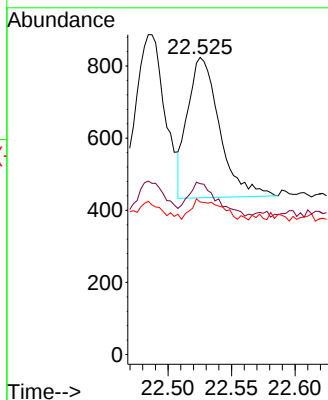
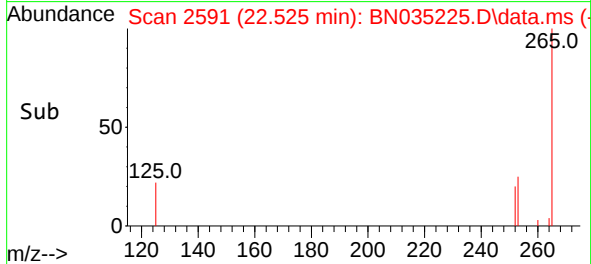
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114



Tgt Ion:252 Resp: 680
Ion Ratio Lower Upper
252 100
253 57.5 19.5 29.3#
125 51.3 6.5 9.7#

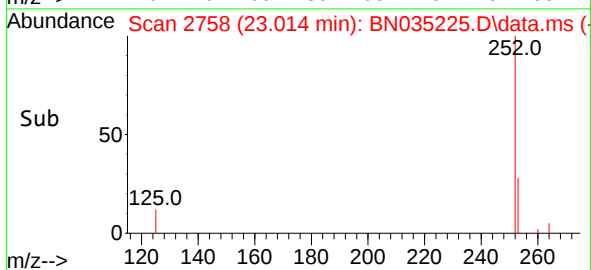
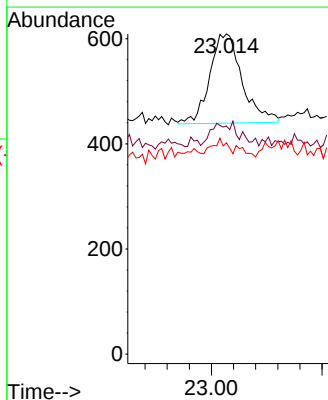
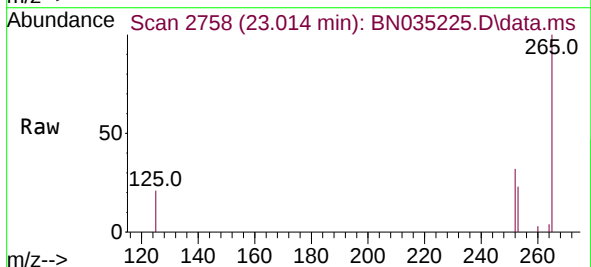
Manual Integrations
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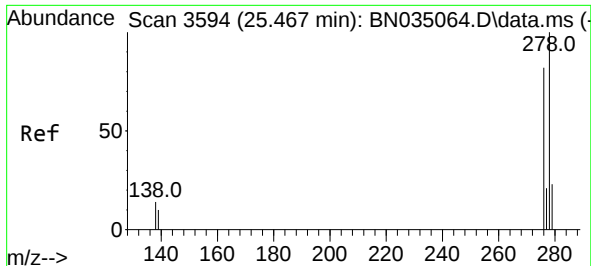
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#39
Benzo(a)pyrene
Concen: 0.044 ng
RT: 23.014 min Scan# 2758
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

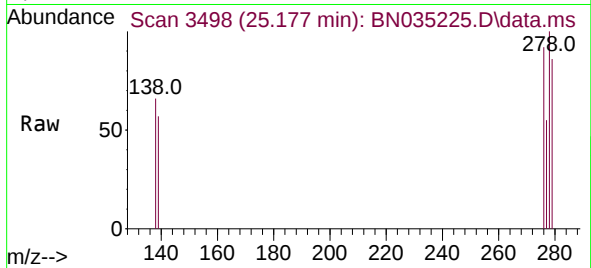
Tgt Ion:252 Resp: 345
Ion Ratio Lower Upper
252 100
253 71.3 20.1 30.1#
125 66.0 7.5 11.3#





#40
Dibenzo(a,h)anthracene
Concen: 0.045 ng
RT: 25.177 min Scan# 3498
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

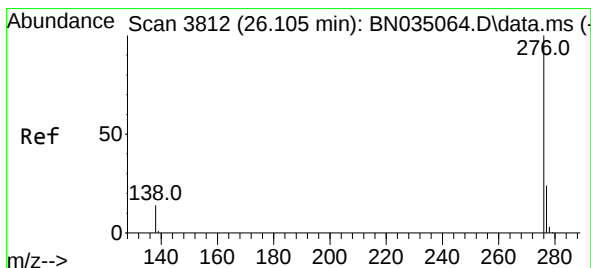
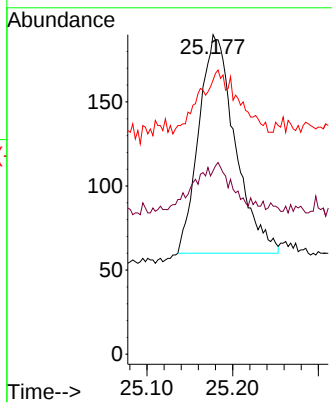
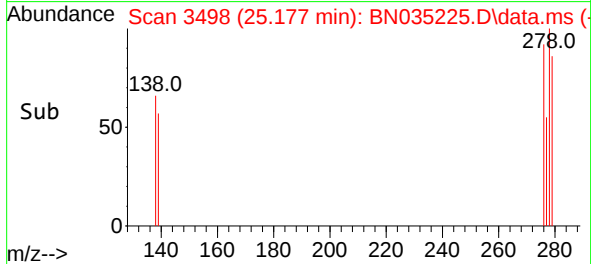
Instrument :
BNA_N
ClientSampleId :
RW7-SP201-20241114



Tgt Ion:278 Resp: 384
Ion Ratio Lower Upper
278 100
139 57.4 9.3 13.9#
279 85.8 19.7 29.5#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#41
Benzo(g,h,i)perylene
Concen: 0.052 ng
RT: 25.776 min Scan# 3703
Delta R.T. 0.000 min
Lab File: BN035225.D
Acq: 21 Nov 2024 17:00

Tgt Ion:276 Resp: 465
Ion Ratio Lower Upper
276 100
277 51.2 19.9 29.9#
138 63.3 11.6 17.4#

