

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062124\
 Data File : BN032142.D
 Acq On : 21 Jun 2024 21:36
 Operator : MA/JU
 Sample : P3004-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GWBR-05-145-165-062024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/28/2024

Quant Time: Jun 22 00:34:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 11:30:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.639	152	8990	0.400	ng	0.00
7) Naphthalene-d8	10.421	136	31418	0.400	ng	0.00
13) Acenaphthene-d10	14.274	164	21416	0.400	ng	-0.01
19) Phenanthrene-d10	17.029	188	44145	0.400	ng	# 0.00
29) Chrysene-d12	21.229	240	26284	0.400	ng	0.00
35) Perylene-d12	23.449	264	23684	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.248	112	4216	0.165	ng	0.00
5) Phenol-d6	6.830	99	3027	0.090	ng	0.00
8) Nitrobenzene-d5	8.798	82	6828	0.262	ng	0.00
11) 2-Methylnaphthalene-d10	12.013	152	15542	0.311	ng	0.00
14) 2,4,6-Tribromophenol	15.787	330	3164	0.308	ng	0.00
15) 2-Fluorobiphenyl	12.895	172	25014	0.308	ng	-0.01
27) Fluoranthene-d10	19.068	212	39215	0.326	ng	0.00
31) Terphenyl-d14	19.667	244	29382	0.457	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.197	88	4865	0.442	ng	# 96
25) Phenanthrene	17.066	178	3729	0.030	ng	97
26) Anthracene	17.165	178	6588	0.058	ng	99
28) Fluoranthene	19.096	202	11988	0.081	ng	# 96
30) Pyrene	19.463	202	12023	0.115	ng	99
32) Benzo(a)anthracene	21.211	228	16825	0.170	ng	98
33) Chrysene	21.265	228	16242	0.174	ng	98
34) Bis(2-ethylhexyl)phtha...	21.139	149	29722	0.440	ng	100
36) Indeno(1,2,3-cd)pyrene	25.692	276	17131	0.194	ng	99
37) Benzo(b)fluoranthene	22.780	252	16347	0.189	ng	# 87
38) Benzo(k)fluoranthene	22.820	252	16033m	0.196	ng	
39) Benzo(a)pyrene	23.350	252	12234	0.164	ng	# 77
40) Dibenzo(a,h)anthracene	25.700	278	13349	0.192	ng	92
41) Benzo(g,h,i)perylene	26.381	276	12220	0.163	ng	92

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

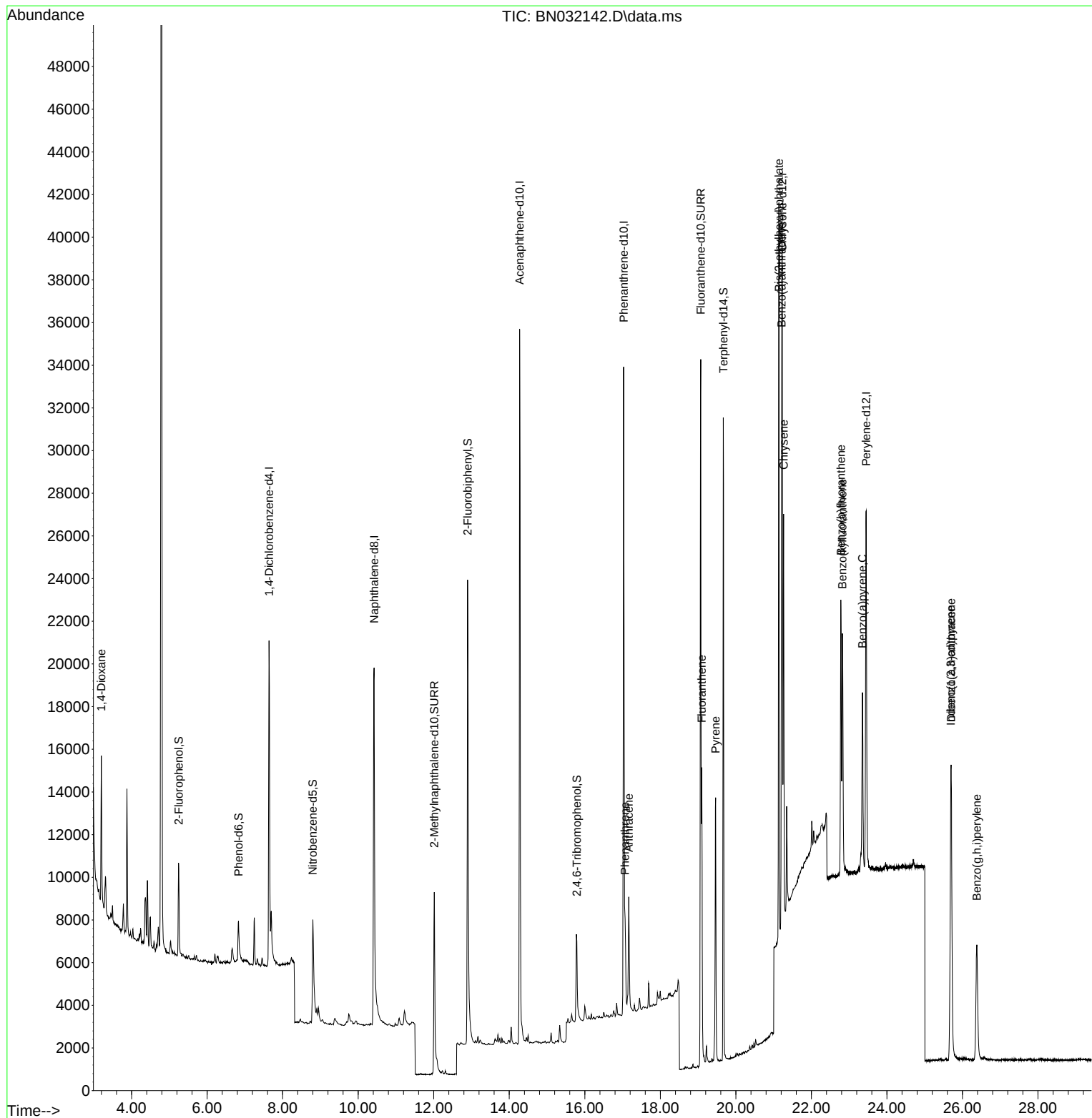
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062124\
Data File : BN032142.D
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Quant Time: Jun 22 00:34:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 11:30:34 2024
Response via : Initial Calibration

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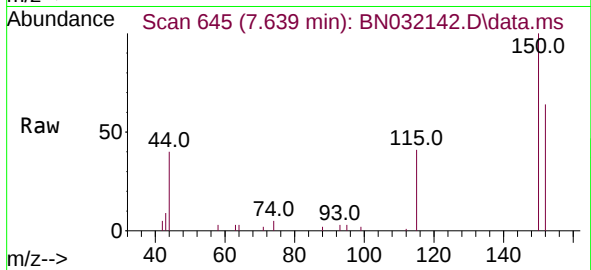
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/28/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.639 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

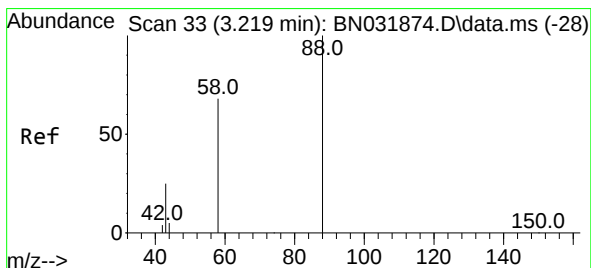
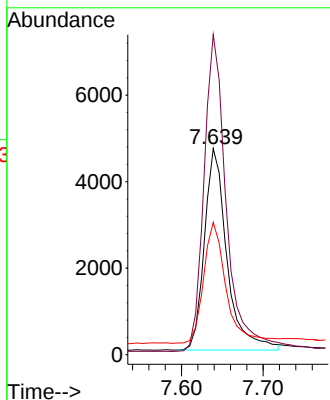
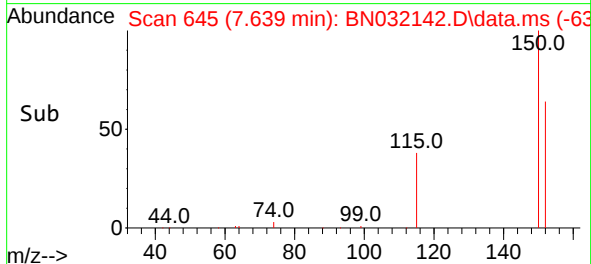
Instrument :
BNA_N
ClientSampleId :
GWBR-05-145-165-062024



Tgt Ion: 152 Resp: 8990
Ion Ratio Lower Upper
152 100
150 155.3 121.0 181.4
115 64.2 49.4 74.0

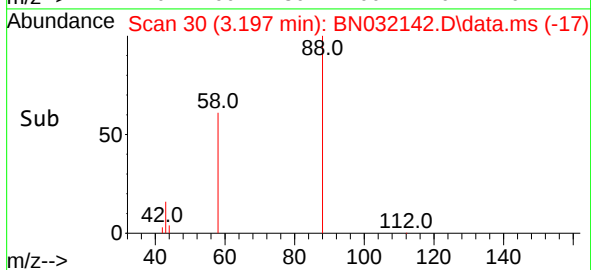
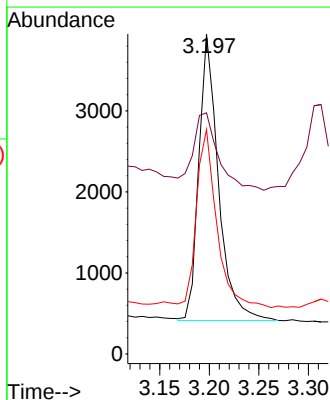
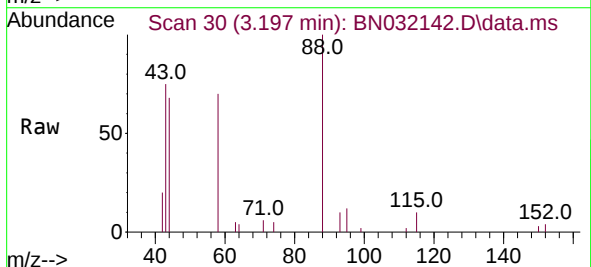
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Supervised By :mohammad ahmed 06/28/2024



#2
1,4-Dioxane
Concen: 0.442 ng
RT: 3.197 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

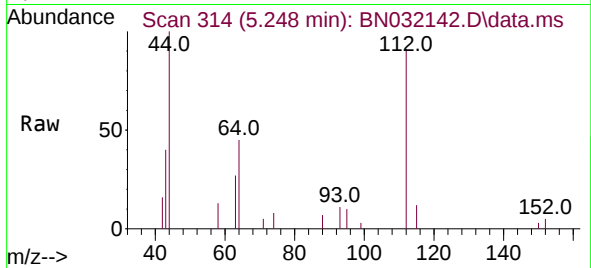
Tgt Ion: 88 Resp: 4865
Ion Ratio Lower Upper
88 100
43 34.8 22.7 34.1#
58 64.3 51.3 76.9





#4
2-Fluorophenol
Concen: 0.165 ng
RT: 5.248 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

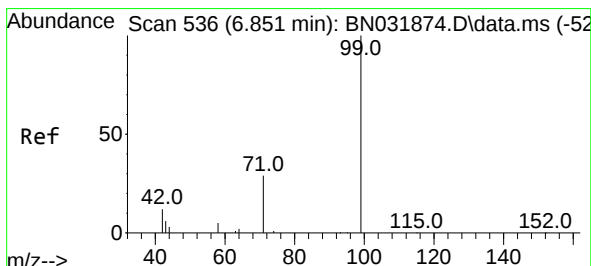
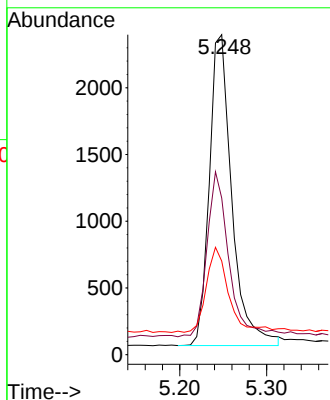
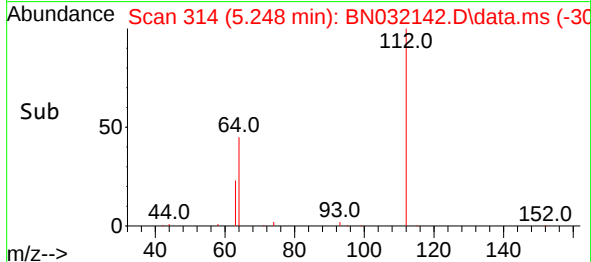
Instrument :
BNA_N
ClientSampleId :
GWBR-05-145-165-062024



Tgt Ion: 112 Resp: 4210
Ion Ratio Lower Upper
112 100
64 51.5 42.4 63.6
63 27.0 22.1 33.1

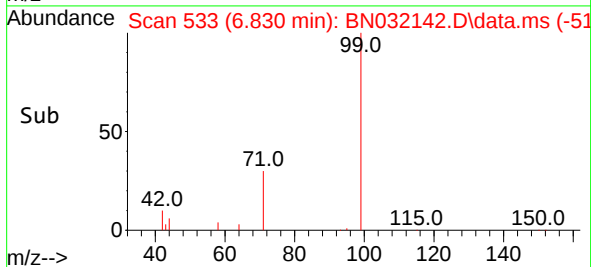
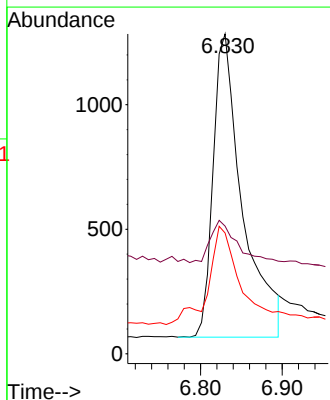
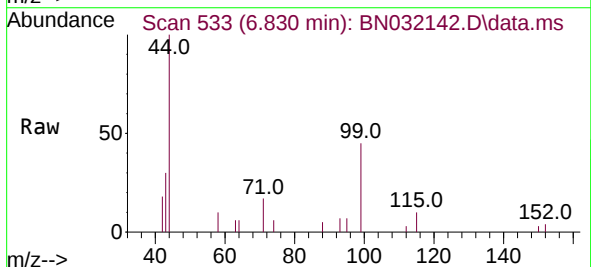
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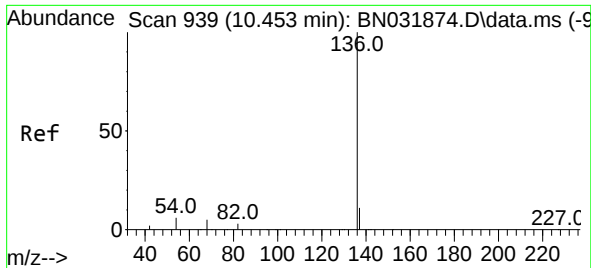
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/28/2024



#5
Phenol-d6
Concen: 0.090 ng
RT: 6.830 min Scan# 533
Delta R.T. 0.000 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

Tgt Ion: 99 Resp: 3027
Ion Ratio Lower Upper
99 100
42 12.5 12.8 19.2#
71 33.1 25.4 38.2





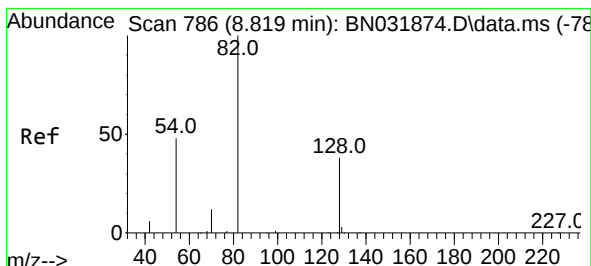
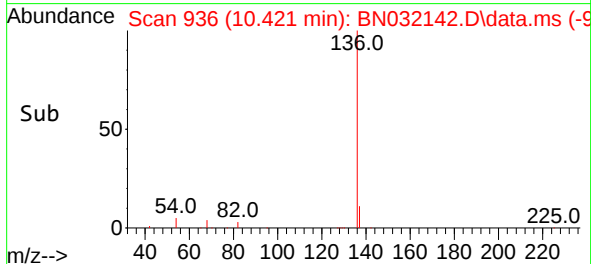
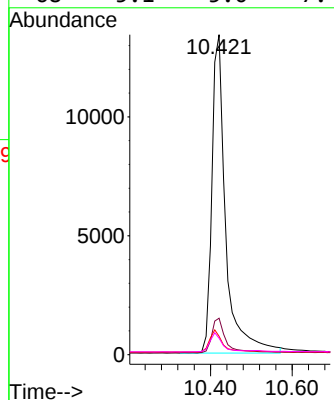
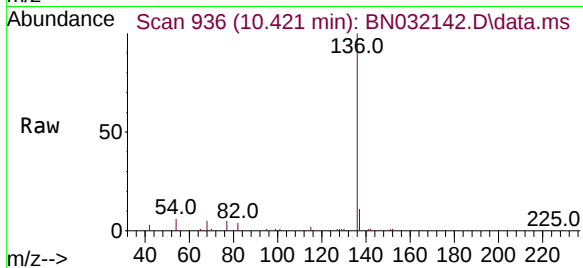
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.421 min Scan# 911
Delta R.T. 0.000 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

Instrument :
BNA_N
ClientSampleId :
GWBR-05-145-165-062024

Tgt Ion:	136	Resp:	31418
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	5.7	5.6	8.4
68	5.1	5.0	7.4

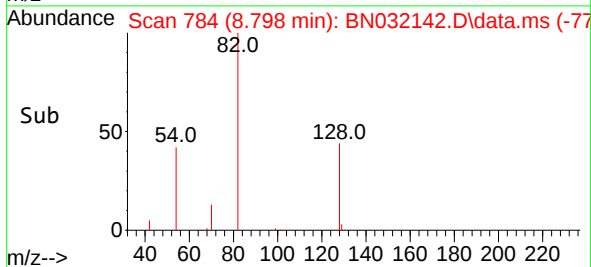
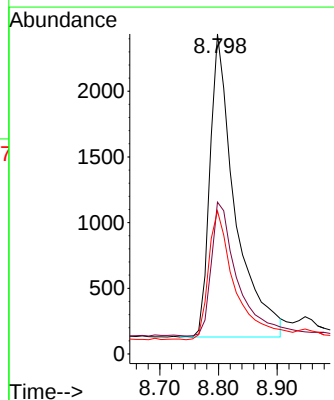
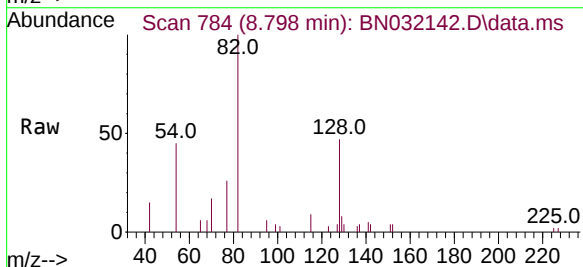
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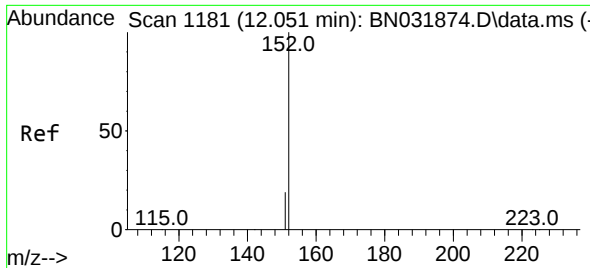
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/28/2024



#8
Nitrobenzene-d5
Concen: 0.262 ng
RT: 8.798 min Scan# 784
Delta R.T. 0.000 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

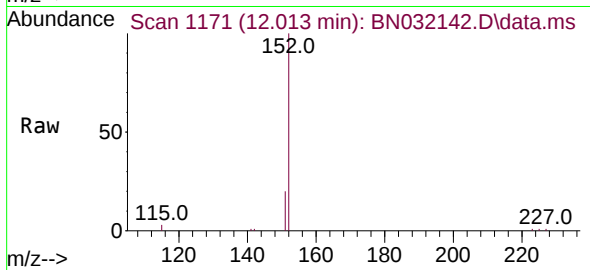
Tgt Ion:	82	Resp:	6828
Ion Ratio	Lower	Upper	
82	100		
128	47.5	32.1	48.1
54	44.7	39.7	59.5





#11
2-Methylnaphthalene-d10
Concen: 0.311 ng
RT: 12.013 min Scan# 1181
Delta R.T. -0.008 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

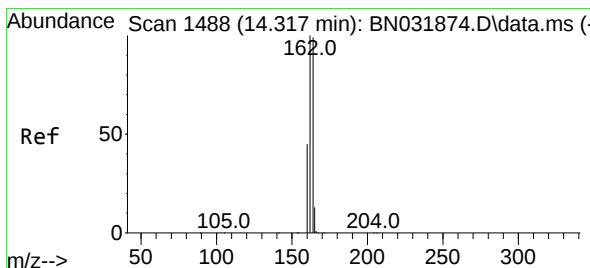
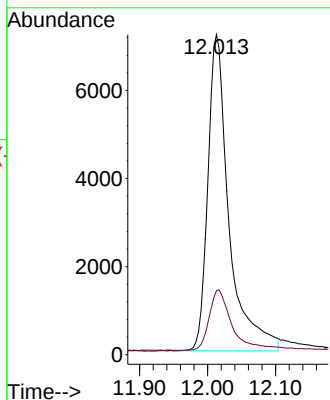
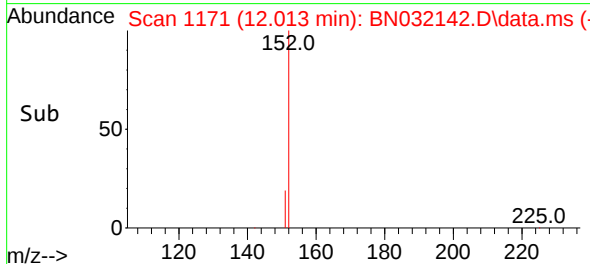
Instrument :
BNA_N
ClientSampleId :
GWR-05-145-165-062024



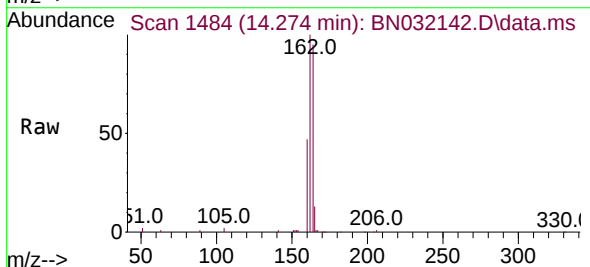
Tgt Ion:152 Resp: 1554
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5

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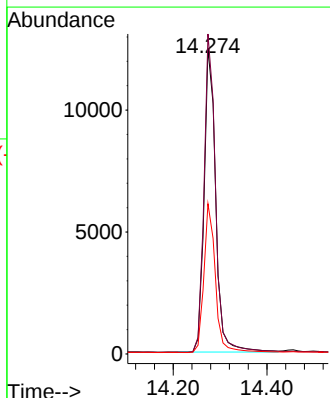
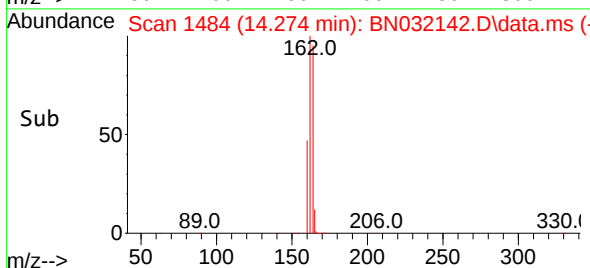
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/28/2024



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.274 min Scan# 1484
Delta R.T. -0.011 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36



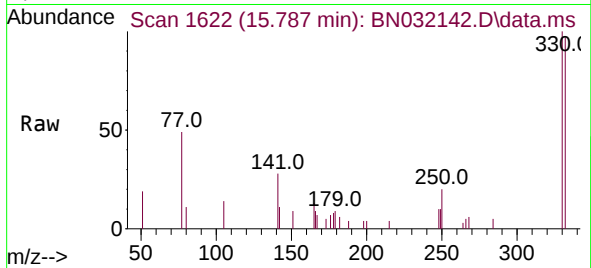
Tgt Ion:164 Resp: 21416
Ion Ratio Lower Upper
164 100
162 104.8 80.7 121.1
160 49.2 36.2 54.4





#14
2,4,6-Tribromophenol
Concen: 0.308 ng
RT: 15.787 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

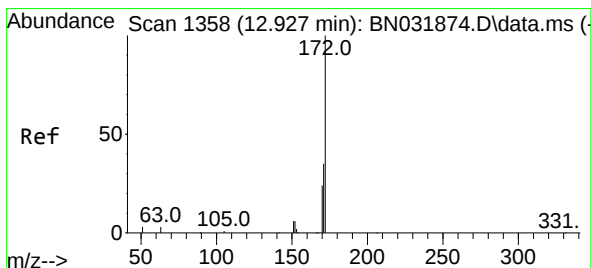
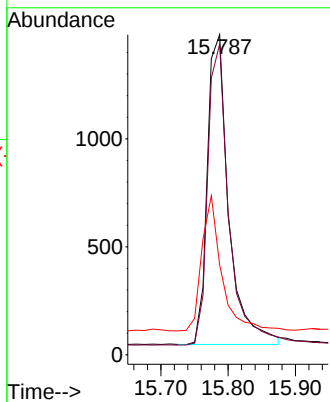
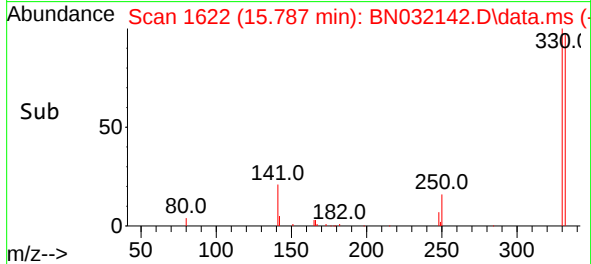
Instrument :
BNA_N
ClientSampleId :
GWR-05-145-165-062024



Tgt Ion: 330 Resp: 3164
Ion Ratio Lower Upper
330 100
332 96.4 77.5 116.3
141 40.3 34.7 52.1

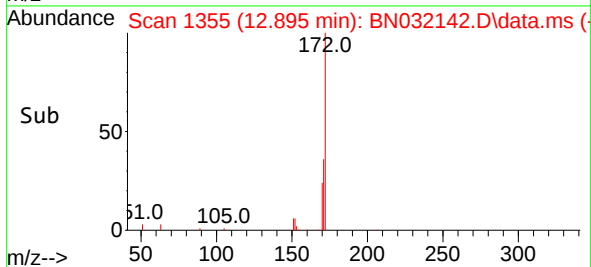
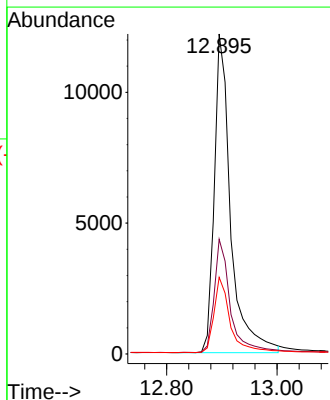
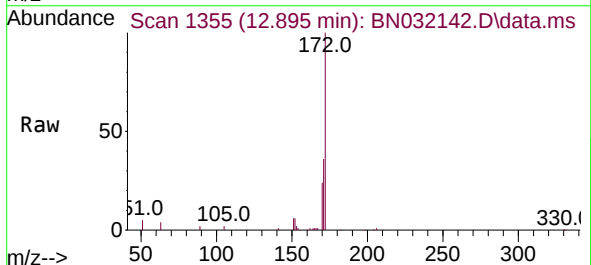
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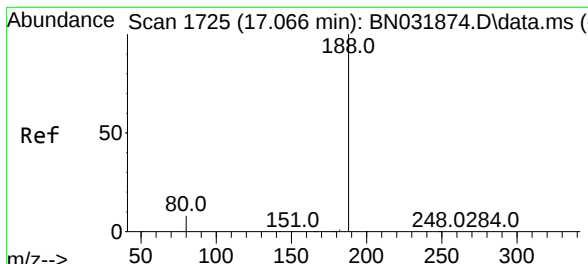
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/28/2024



#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 12.895 min Scan# 1355
Delta R.T. -0.011 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

Tgt Ion: 172 Resp: 25014
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 24.0 19.2 28.8





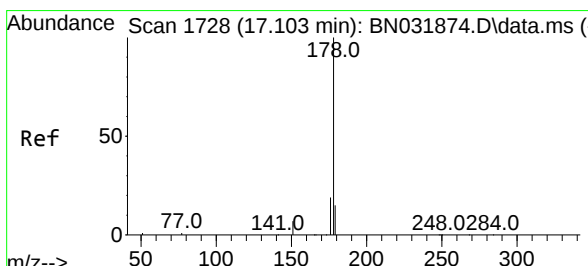
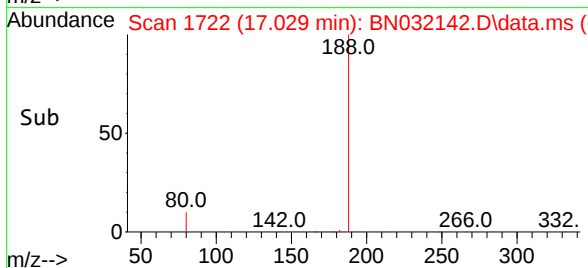
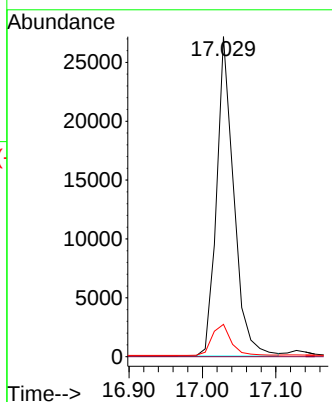
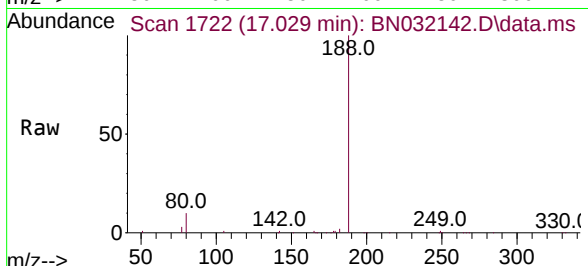
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.029 min Scan# 1722
Delta R.T. 0.000 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

Instrument : BNA_N
ClientSampleId : GWBR-05-145-165-062024

Tgt Ion:188	Resp: 4414
Ion Ratio	Lower Upper
188 100	
94 0.0	0.0 0.0
80 10.1	6.4 9.6

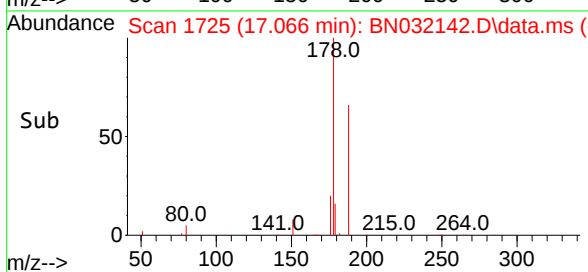
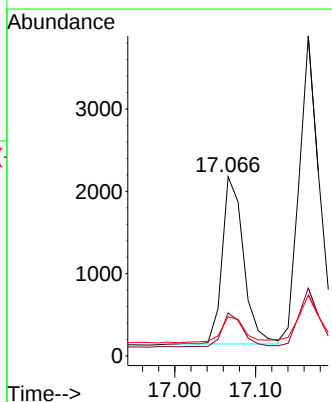
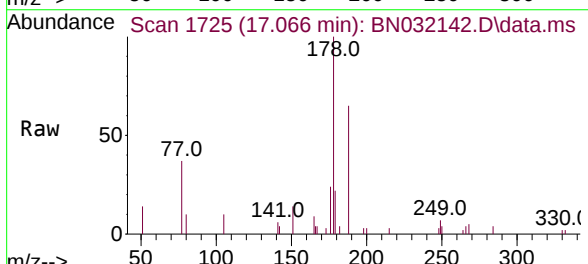
Manual Integrations
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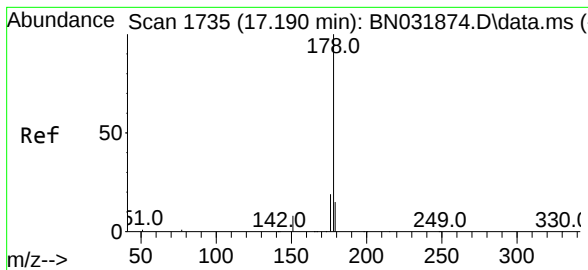
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/28/2024



#25
Phenanthrene
Concen: 0.030 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.012 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

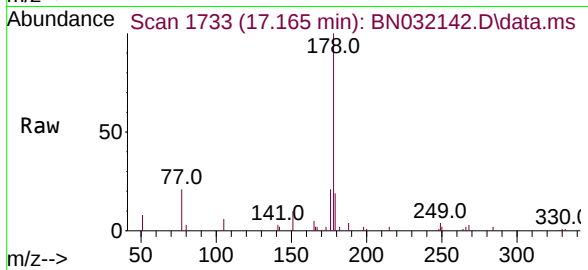
Tgt Ion:178	Resp: 3729
Ion Ratio	Lower Upper
178 100	
176 20.0	15.4 23.0
179 17.5	12.2 18.2





#26
 Anthracene
 Concen: 0.058 ng
 RT: 17.165 min Scan# 1733
 Delta R.T. 0.000 min
 Lab File: BN032142.D
 Acq: 21 Jun 2024 21:36

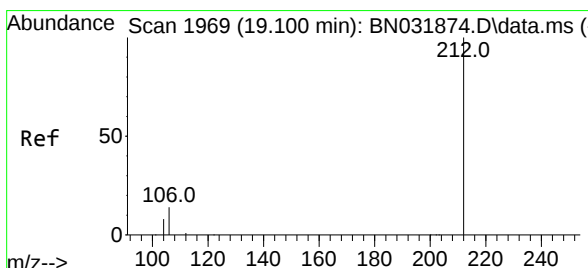
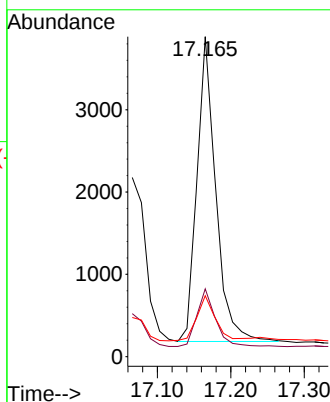
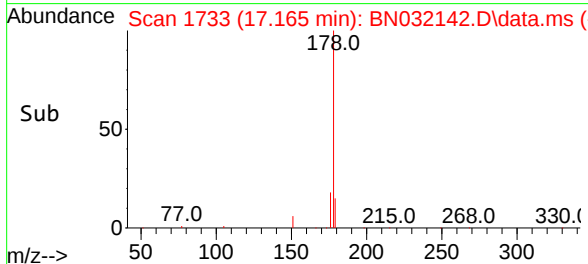
Instrument :
 BNA_N
 ClientSampleId :
 GWBR-05-145-165-062024



Tgt Ion:	178	Resp:	6588
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.8	22.2
179	14.7	12.2	18.2

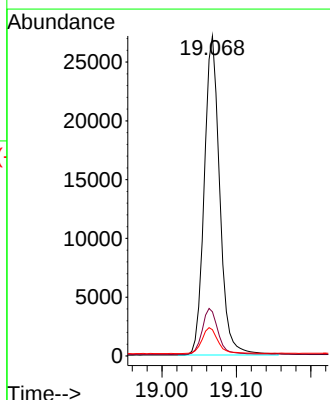
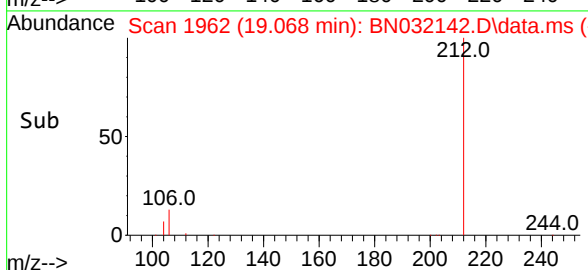
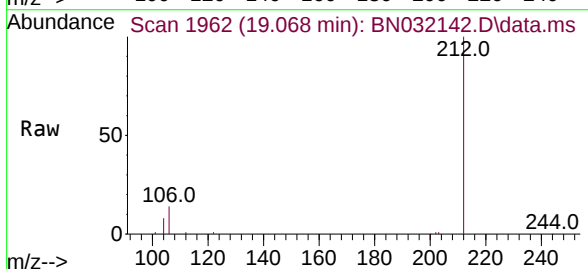
Manual Integrations
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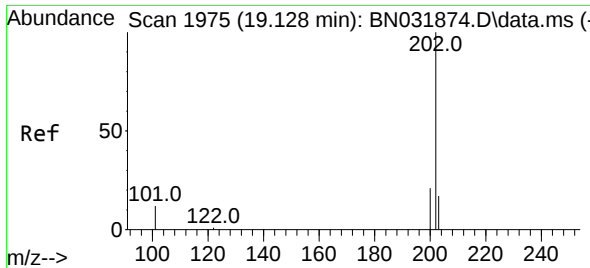
Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/28/2024



#27
 Fluoranthene-d10
 Concen: 0.326 ng
 RT: 19.068 min Scan# 1962
 Delta R.T. -0.005 min
 Lab File: BN032142.D
 Acq: 21 Jun 2024 21:36

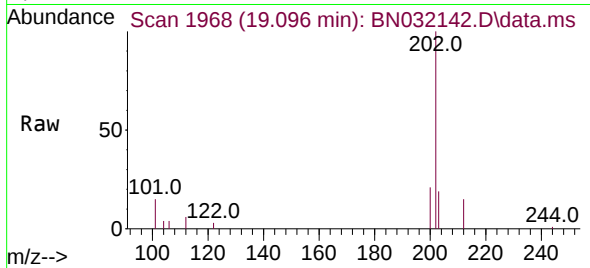
Tgt Ion:	212	Resp:	39215
Ion Ratio	Lower	Upper	
212	100		
106	14.9	11.8	17.8
104	8.4	6.6	10.0





#28
Fluoranthene
Concen: 0.081 ng
RT: 19.096 min Scan# 1975
Delta R.T. -0.005 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

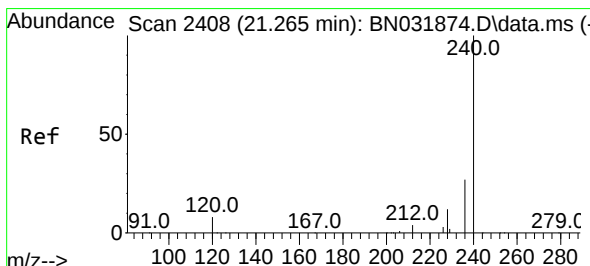
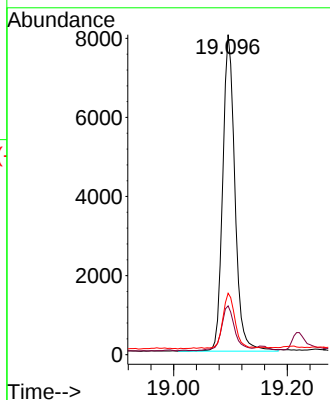
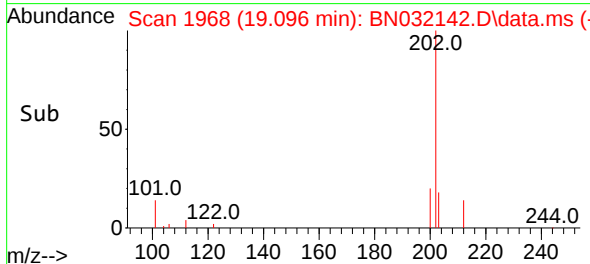
Instrument :
BNA_N
ClientSampleId :
GWBR-05-145-165-062024



Tgt Ion:202 Resp: 11988
Ion Ratio Lower Upper
202 100
101 15.3 9.8 14.6
203 17.3 13.7 20.5

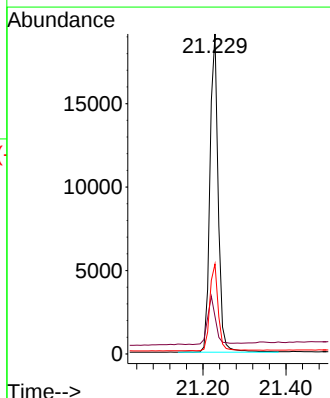
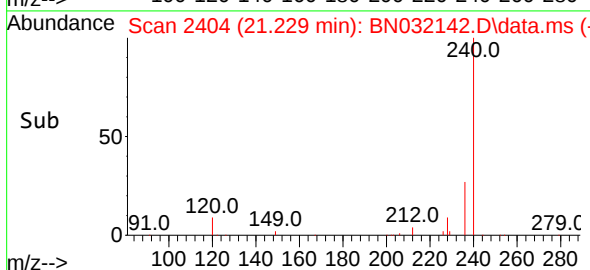
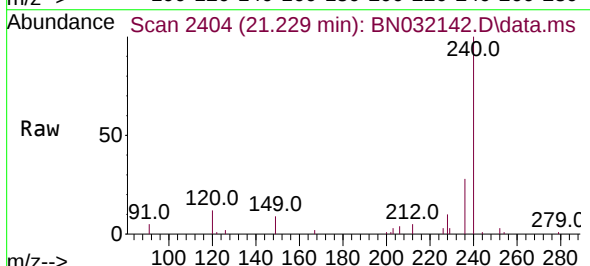
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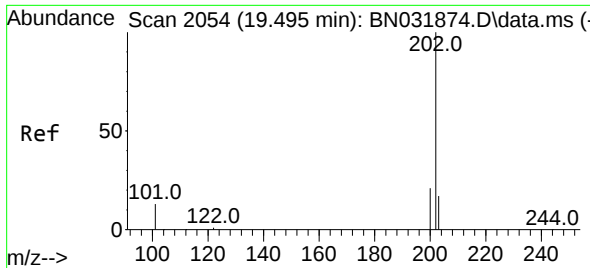
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/28/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.229 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

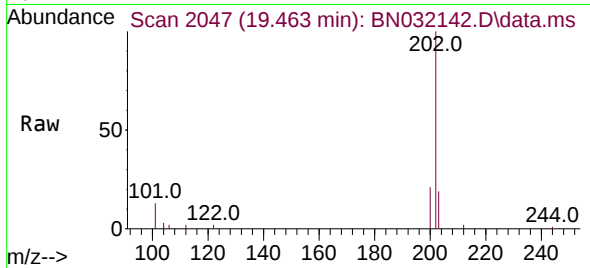
Tgt Ion:240 Resp: 26284
Ion Ratio Lower Upper
240 100
120 11.7 8.2 12.4
236 28.1 21.8 32.8





#30
 Pyrene
 Concen: 0.115 ng
 RT: 19.463 min Scan# 2047
 Delta R.T. -0.005 min
 Lab File: BN032142.D
 Acq: 21 Jun 2024 21:36

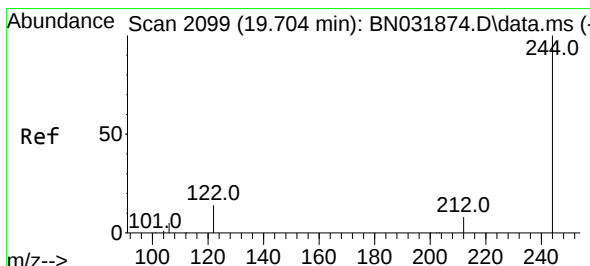
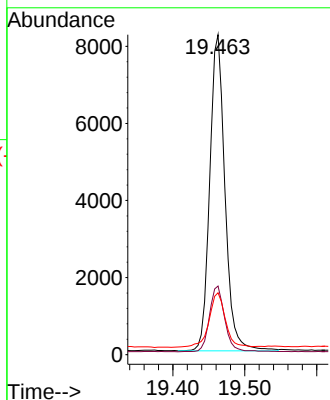
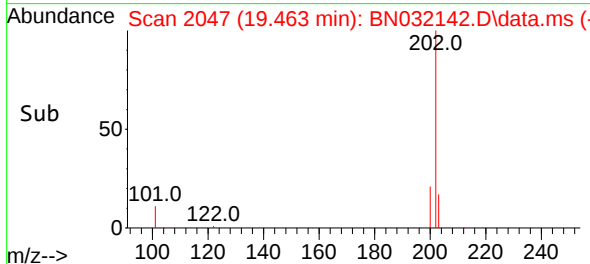
Instrument :
 BNA_N
 ClientSampleId :
 GWBR-05-145-165-062024



Tgt Ion:202 Resp: 1202
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.7 25.1
 203 18.6 14.3 21.5

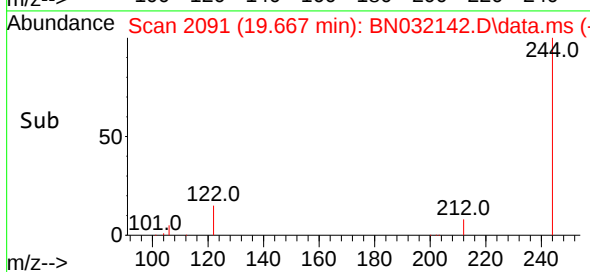
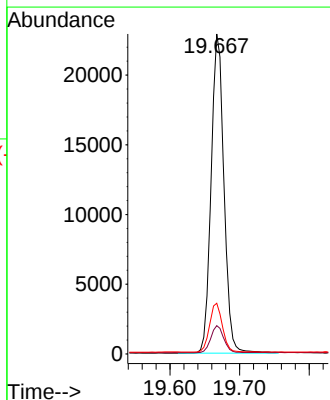
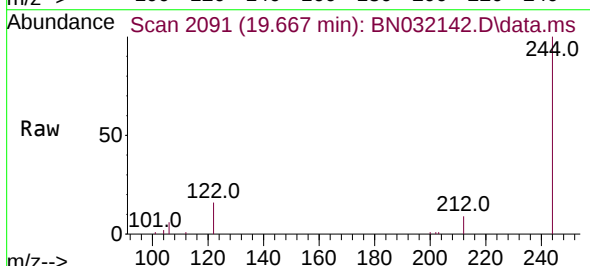
Manual Integrations
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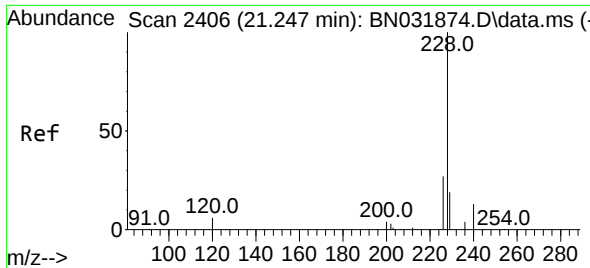
Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/28/2024



#31
 Terphenyl-d14
 Concen: 0.457 ng
 RT: 19.667 min Scan# 2091
 Delta R.T. -0.005 min
 Lab File: BN032142.D
 Acq: 21 Jun 2024 21:36

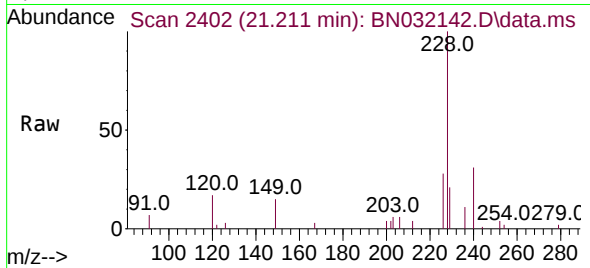
Tgt Ion:244 Resp: 29382
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.5 9.7
 122 15.9 11.4 17.0





#32
Benzo(a)anthracene
Concen: 0.170 ng
RT: 21.211 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

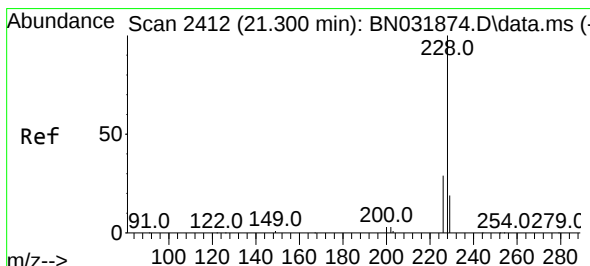
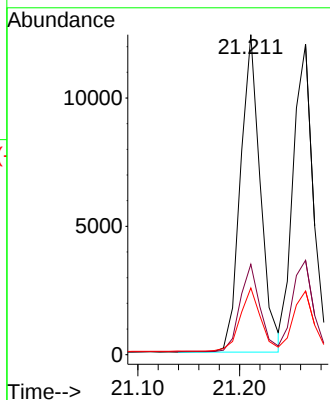
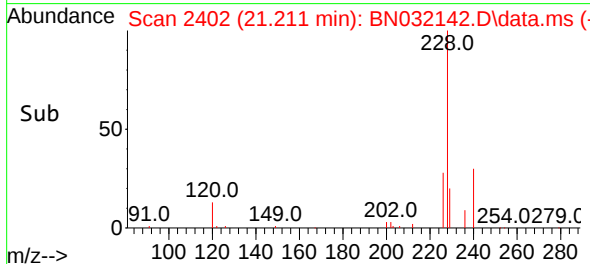
Instrument :
BNA_N
ClientSampleId :
GWBR-05-145-165-062024



Tgt Ion:228 Resp: 1682
Ion Ratio Lower Upper
228 100
226 28.3 21.8 32.6
229 20.8 15.8 23.8

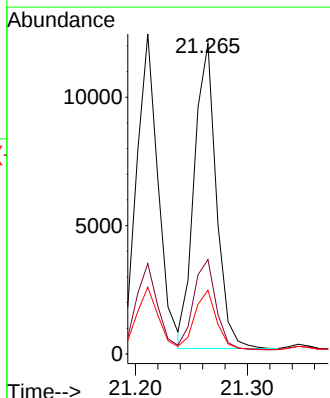
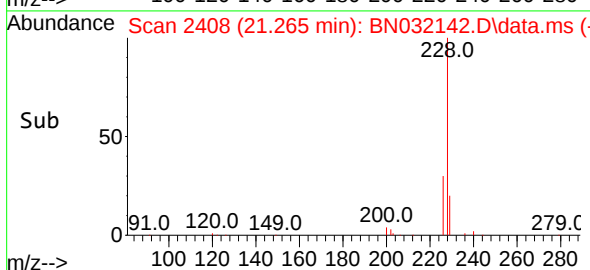
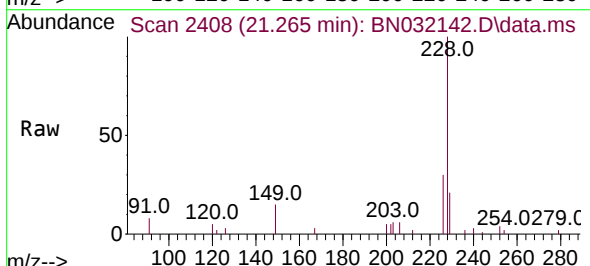
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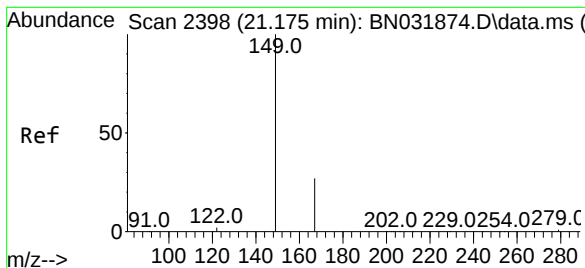
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/28/2024



#33
Chrysene
Concen: 0.174 ng
RT: 21.265 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

Tgt Ion:228 Resp: 16242
Ion Ratio Lower Upper
228 100
226 30.4 23.6 35.4
229 20.5 15.8 23.6





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.440 ng

RT: 21.139 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN032142.D

Acq: 21 Jun 2024 21:36

Instrument :

BNA_N

ClientSampleId :

GWBR-05-145-165-062024

Tgt Ion:149 Resp: 2972

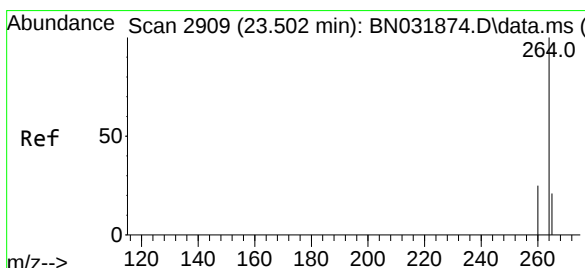
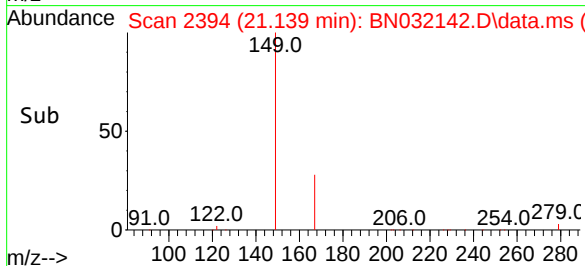
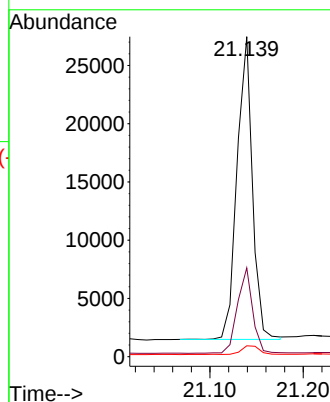
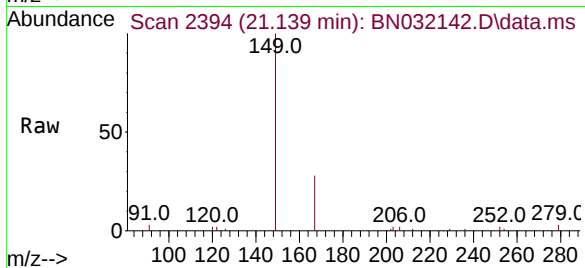
Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.5	33.7
279	3.7	2.9	4.3

Manual Integrations

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Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/28/2024



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.449 min Scan# 2891

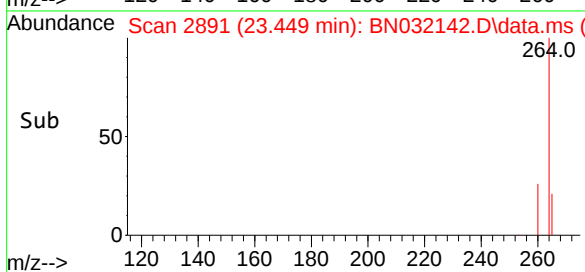
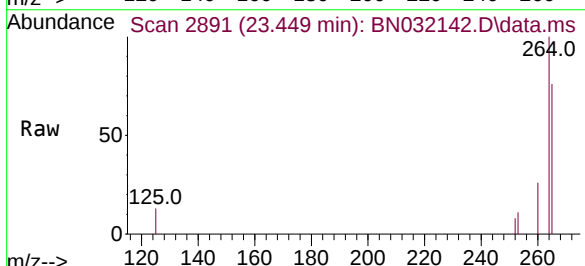
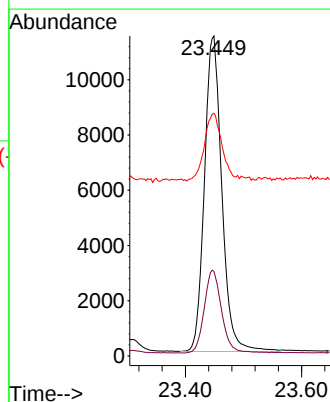
Delta R.T. -0.003 min

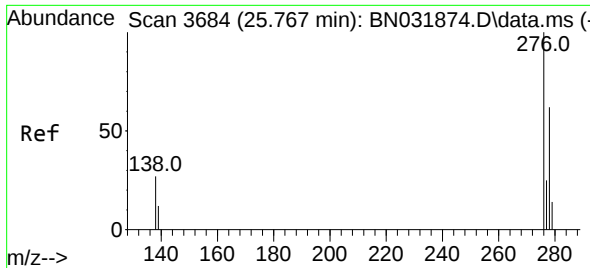
Lab File: BN032142.D

Acq: 21 Jun 2024 21:36

Tgt Ion:264 Resp: 23684

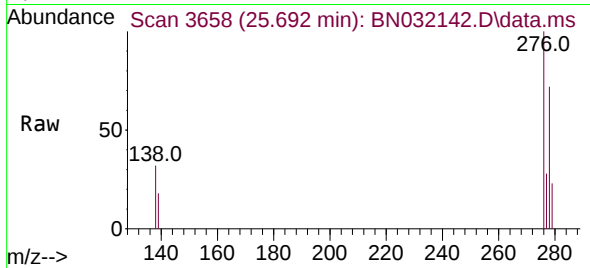
Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.5	30.7
265	75.8	39.6	59.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.194 ng
RT: 25.692 min Scan# 3062
Delta R.T. -0.003 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

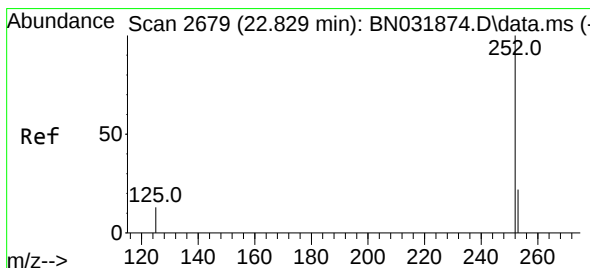
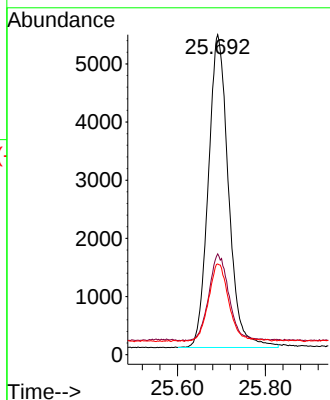
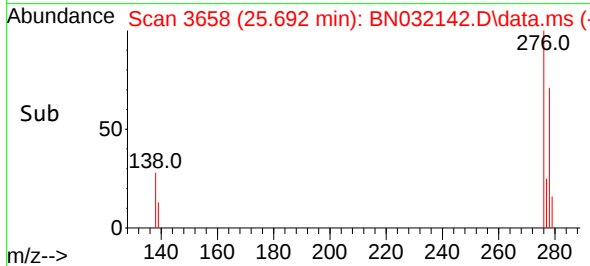
Instrument :
BNA_N
ClientSampleId :
GWBR-05-145-165-062024



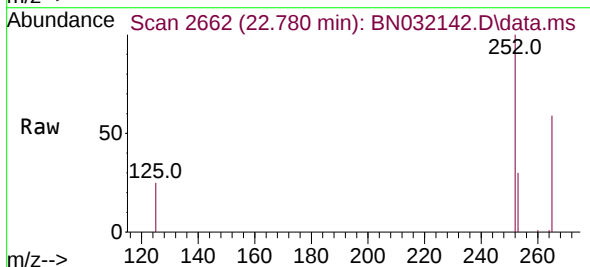
Tgt Ion:276 Resp: 1713
Ion Ratio Lower Upper
276 100
138 27.7 21.5 32.3
277 24.8 19.8 29.8

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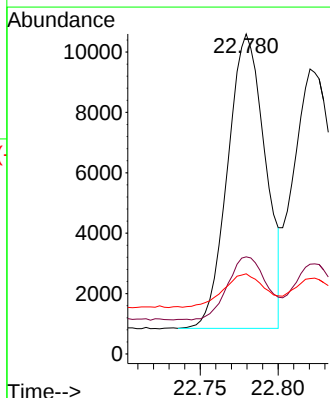
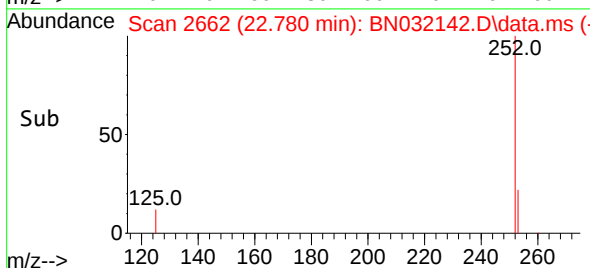
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/28/2024

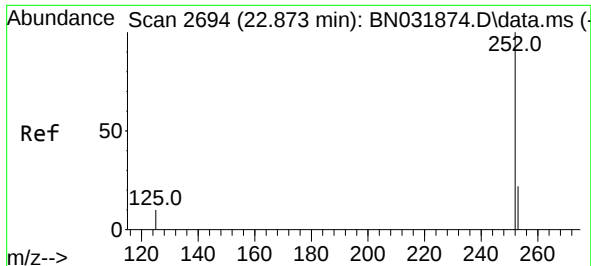


#37
Benzo(b)fluoranthene
Concen: 0.189 ng
RT: 22.780 min Scan# 2662
Delta R.T. -0.006 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36



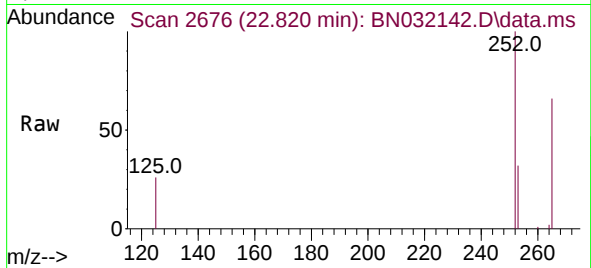
Tgt Ion:252 Resp: 16347
Ion Ratio Lower Upper
252 100
253 30.3 20.2 30.2#
125 25.0 14.2 21.4#





#38
Benzo(k)fluoranthene
Concen: 0.196 ng m
RT: 22.820 min Scan# 2676
Delta R.T. -0.009 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

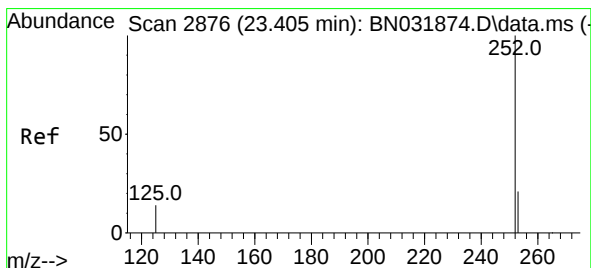
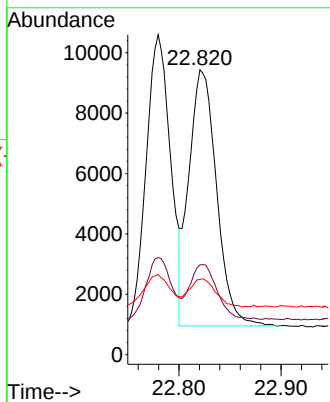
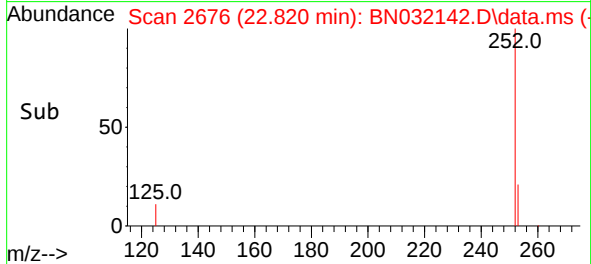
Instrument :
BNA_N
ClientSampleId :
GWBR-05-145-165-062024



Tgt Ion:252 Resp: 1603
Ion Ratio Lower Upper
252 100
253 31.5 19.9 29.9#
125 26.4 13.0 19.4#

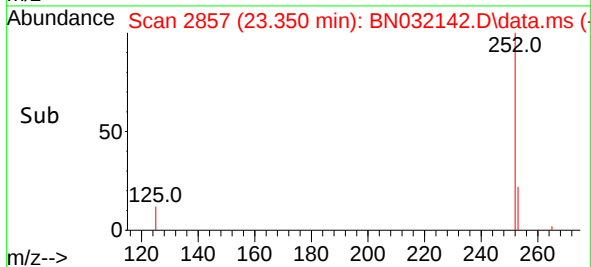
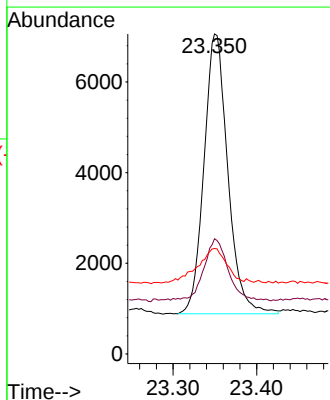
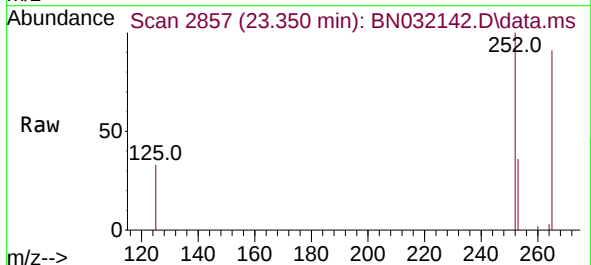
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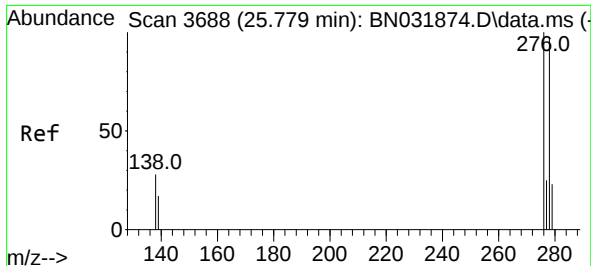
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/28/2024



#39
Benzo(a)pyrene
Concen: 0.164 ng
RT: 23.350 min Scan# 2857
Delta R.T. -0.009 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

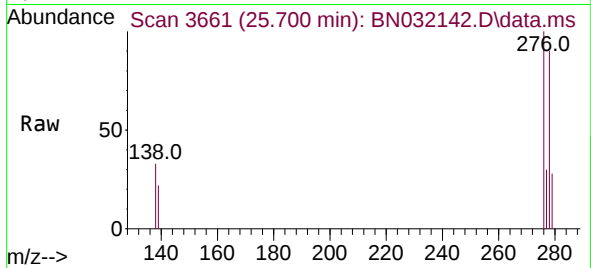
Tgt Ion:252 Resp: 12234
Ion Ratio Lower Upper
252 100
253 36.0 20.5 30.7#
125 33.0 16.4 24.6#





#40
Dibenzo(a,h)anthracene
Concen: 0.192 ng
RT: 25.700 min Scan# 30
Delta R.T. -0.006 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

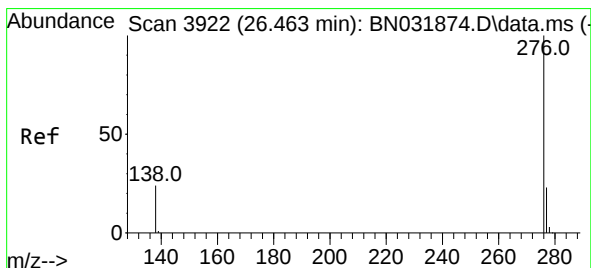
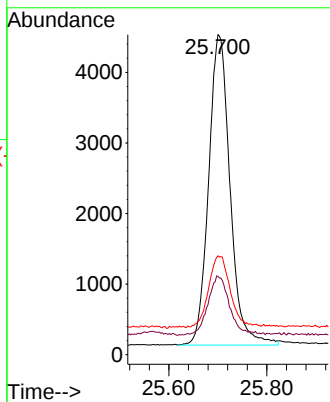
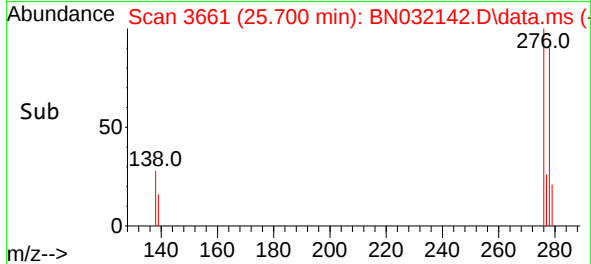
Instrument :
BNA_N
ClientSampleId :
GWBR-05-145-165-062024



Tgt Ion:278 Resp: 13349
Ion Ratio Lower Upper
278 100
139 24.4 17.0 25.4
279 30.9 21.4 32.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/28/2024



#41
Benzo(g,h,i)perylene
Concen: 0.163 ng
RT: 26.381 min Scan# 3894
Delta R.T. 0.003 min
Lab File: BN032142.D
Acq: 21 Jun 2024 21:36

Tgt Ion:276 Resp: 12220
Ion Ratio Lower Upper
276 100
277 29.3 20.2 30.2
138 29.8 20.6 31.0

