

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121222\
 Data File : BN023131.D
 Acq On : 12 Dec 2022 12:28
 Operator : CG/JU
 Sample : N5944-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW-BR-04-95-105-120722

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/13/2022
 Supervised By :mohammad ahmed 12/14/2022

Quant Time: Dec 12 15:45:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 12 05:18:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.021	152	7463	0.400	ng	0.00
7) Naphthalene-d8	10.840	136	22767	0.400	ng	0.00
13) Acenaphthene-d10	14.656	164	12592	0.400	ng	0.00
19) Phenanthrene-d10	17.402	188	27164	0.400	ng	# 0.00
29) Chrysene-d12	21.594	240	21920	0.400	ng	0.00
35) Perylene-d12	24.052	264	17447	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.558	112	1569	0.113	ng	0.00
5) Phenol-d6	7.168	99	1272	0.072	ng	0.00
8) Nitrobenzene-d5	9.185	82	4832	0.322	ng	0.00
11) 2-Methylnaphthalene-d10	12.424	152	8215	0.213	ng	0.00
14) 2,4,6-Tribromophenol	16.148	330	1641	0.359	ng	0.00
15) 2-Fluorobiphenyl	13.287	172	15189	0.302	ng	0.00
27) Fluoranthene-d10	19.435	212	21571	0.339	ng	0.00
31) Terphenyl-d14	20.026	244	14042	0.395	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.391	88	3916	0.532	ng	# 83
24) Pentachlorophenol	17.055	266	144	0.022	ng	96
25) Phenanthrene	17.452	178	2106	0.026	ng	# 95
28) Fluoranthene	19.465	202	2040	0.024	ng	# 79
30) Pyrene	19.827	202	1968	0.025	ng	# 96
32) Benzo(a)anthracene	21.576	228	2269m	0.032	ng	
33) Chrysene	21.629	228	2575	0.032	ng	96
34) Bis(2-ethylhexyl)phtha...	21.495	149	10667	0.357	ng	100
36) Indeno(1,2,3-cd)pyrene	26.622	276	1898	0.024	ng	96
37) Benzo(b)fluoranthene	23.297	252	2676	0.037	ng	# 41
38) Benzo(k)fluoranthene	23.347	252	2104	0.029	ng	# 35
40) Dibenzo(a,h)anthracene	26.636	278	1457	0.023	ng	# 59
41) Benzo(g,h,i)perylene	27.411	276	1756	0.026	ng	# 76

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

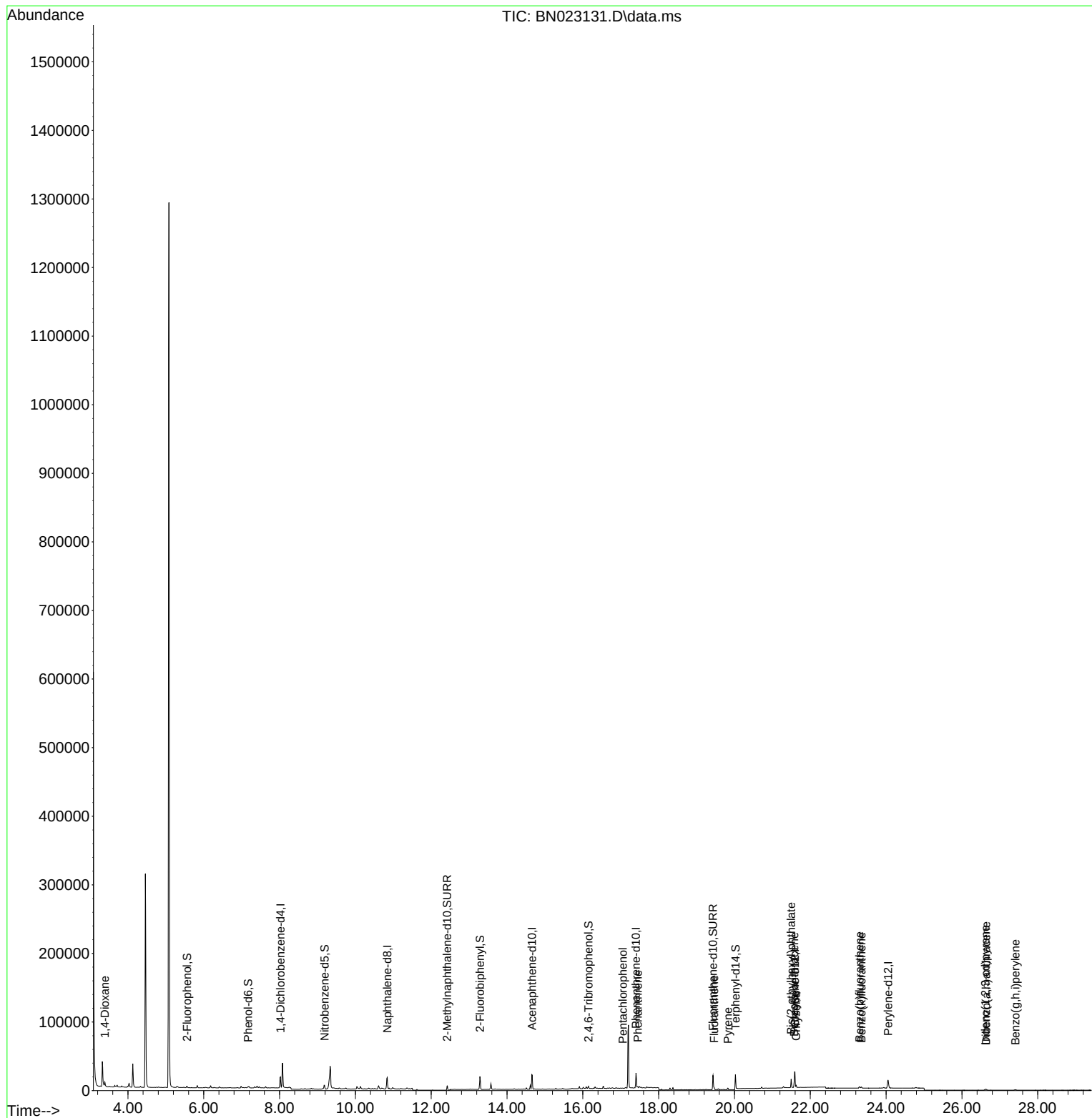
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121222\
Data File : BN023131.D
Acq On : 12 Dec 2022 12:28
Operator : CG/JU
Sample : N5944-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

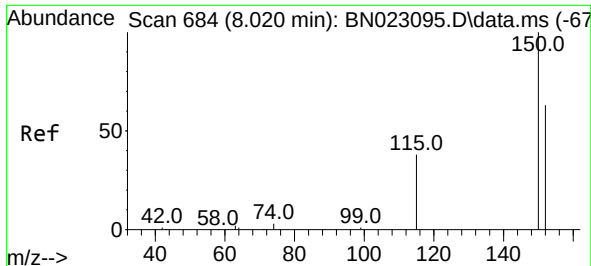
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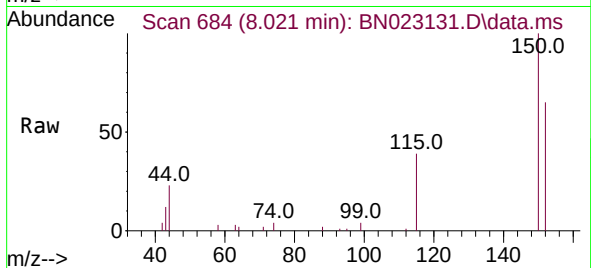
Quant Time: Dec 12 15:45:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 05:18:26 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.021 min Scan# 684
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

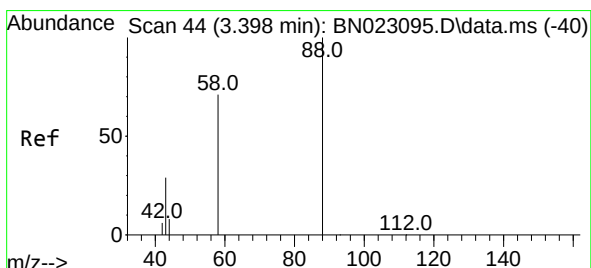
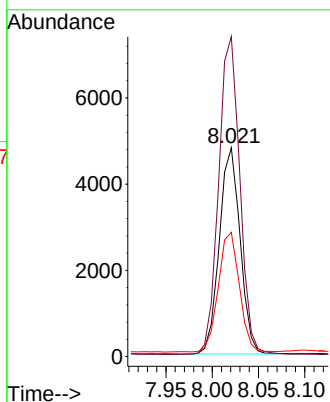
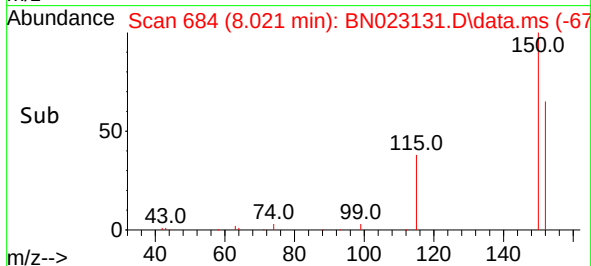
Instrument :
BNA_N
ClientSampleId :
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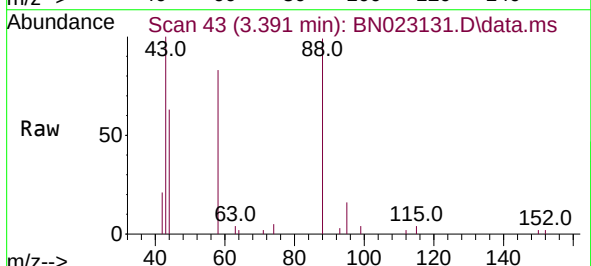
Tgt Ion: 152 Resp: 7463
Ion Ratio Lower Upper
152 100
150 153.2 125.6 188.4
115 59.5 49.0 73.4

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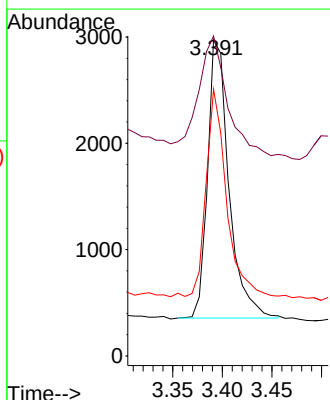
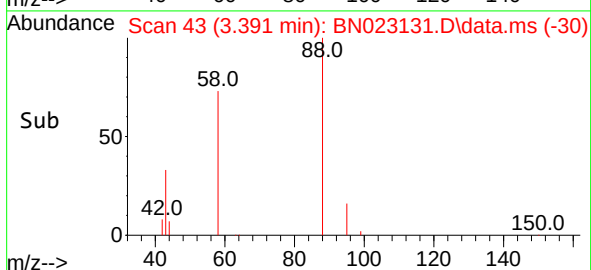
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :mohammad ahmed 12/14/2022

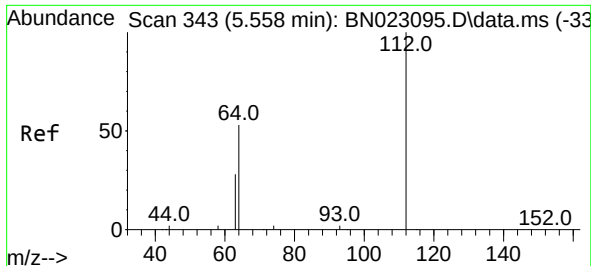


#2
1,4-Dioxane
Concen: 0.532 ng
RT: 3.391 min Scan# 43
Delta R.T. -0.007 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28



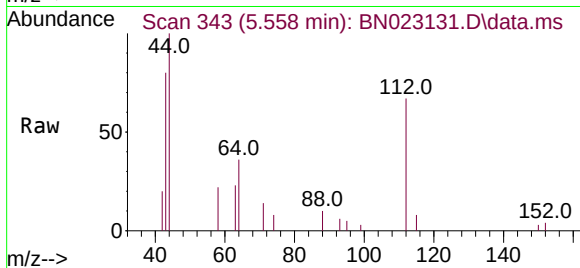
Tgt Ion: 88 Resp: 3916
Ion Ratio Lower Upper
88 100
43 59.3 23.3 34.9#
58 71.2 58.0 87.0





#4
2-Fluorophenol
Concen: 0.113 ng
RT: 5.558 min Scan# 343
Delta R.T. 0.007 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

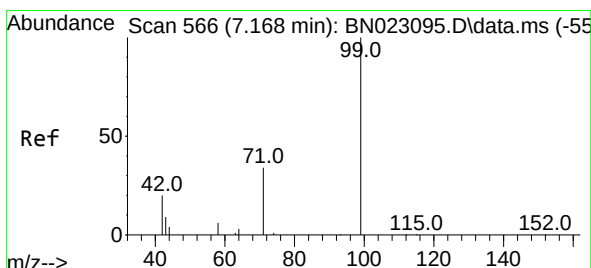
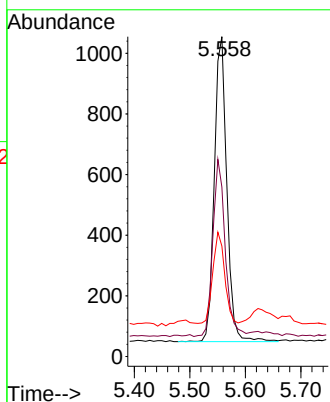
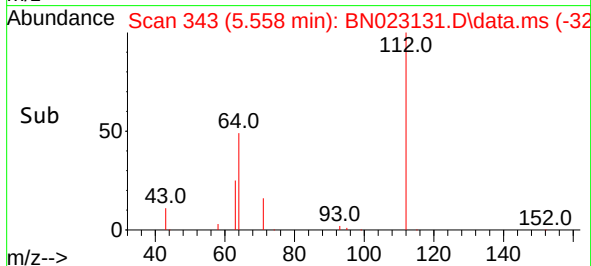
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Tgt Ion: 112 Resp: 1569
Ion Ratio Lower Upper
112 100
64 57.7 44.4 66.6
63 28.3 23.7 35.5

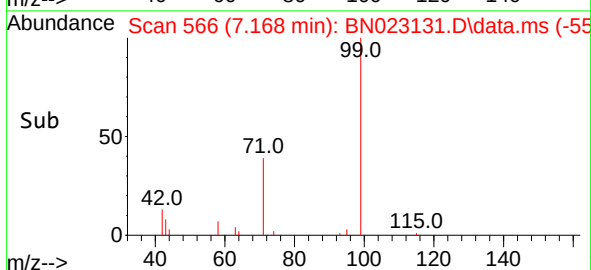
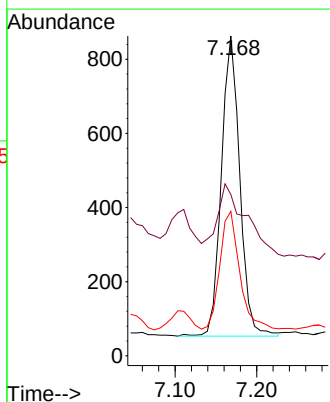
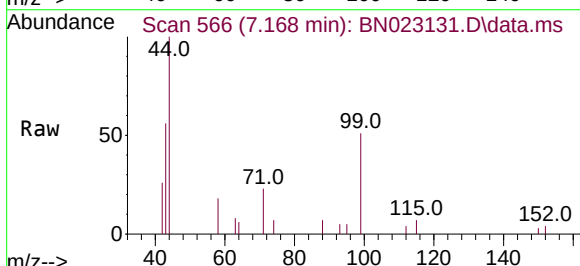
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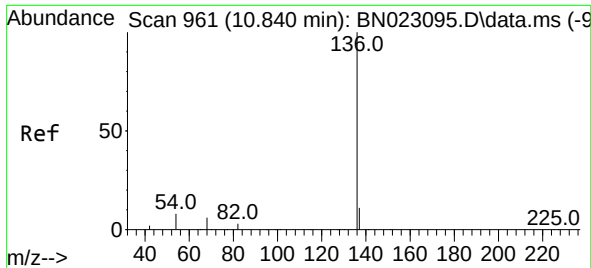
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :mohammad ahmed 12/14/2022



#5
Phenol-d6
Concen: 0.072 ng
RT: 7.168 min Scan# 566
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

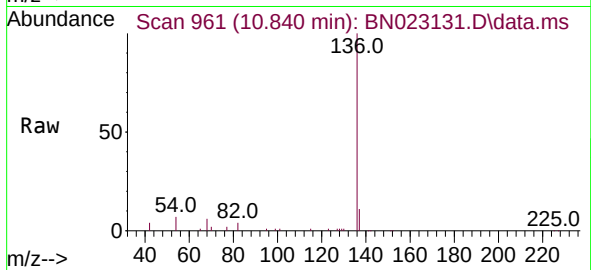
Tgt Ion: 99 Resp: 1272
Ion Ratio Lower Upper
99 100
42 43.7 16.3 24.5#
71 42.1 26.5 39.7#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.840 min Scan# 961
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

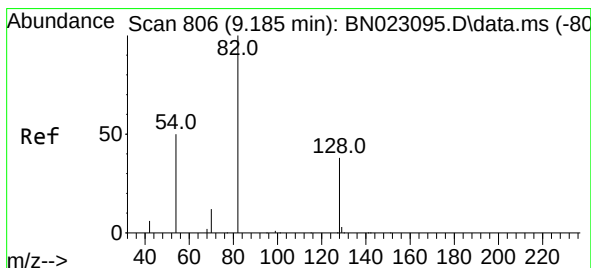
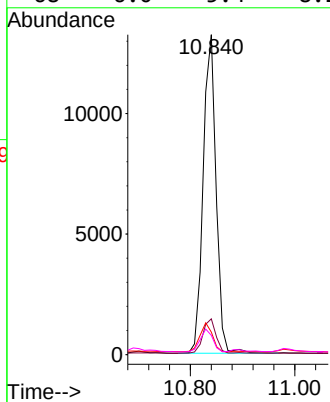
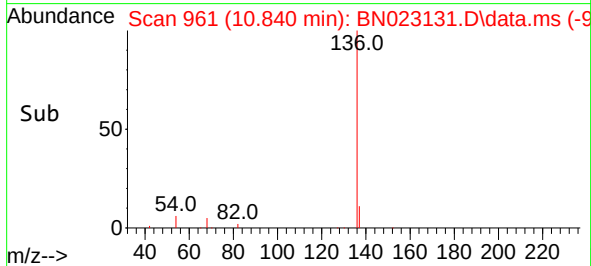
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BNA_N
ClientSampleId :
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Tgt Ion:	136	Resp:	2276
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	7.0	6.5	9.7
68	6.0	5.4	8.2

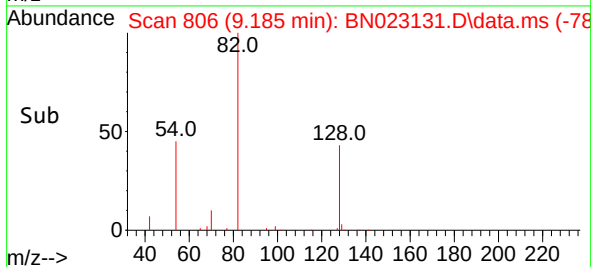
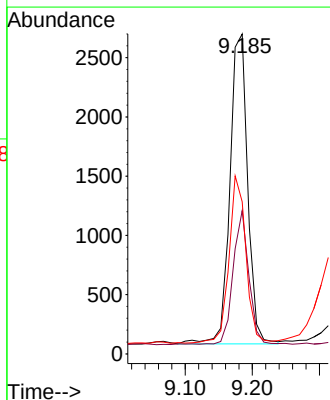
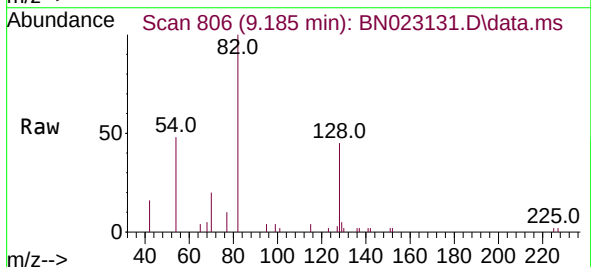
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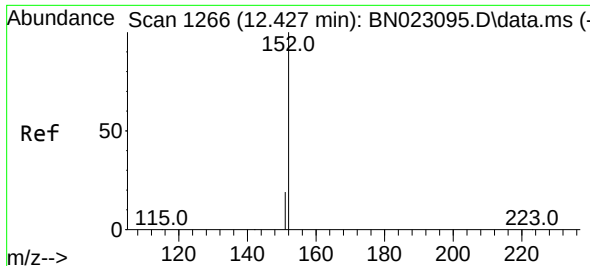
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :mohammad ahmed 12/14/2022



#8
Nitrobenzene-d5
Concen: 0.322 ng
RT: 9.185 min Scan# 806
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

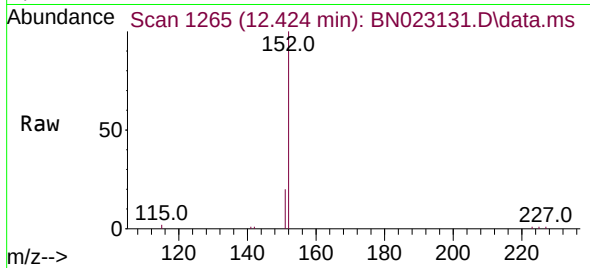
Tgt Ion:	82	Resp:	4832
Ion Ratio	Lower	Upper	
82	100		
128	44.8	31.4	47.2
54	47.5	41.0	61.4





#11
2-Methylnaphthalene-d10
Concen: 0.213 ng
RT: 12.424 min Scan# 1265
Delta R.T. 0.004 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

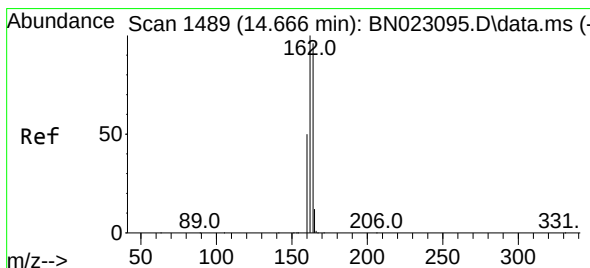
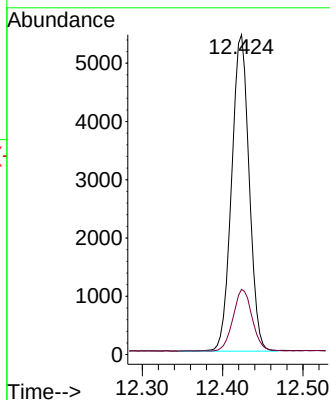
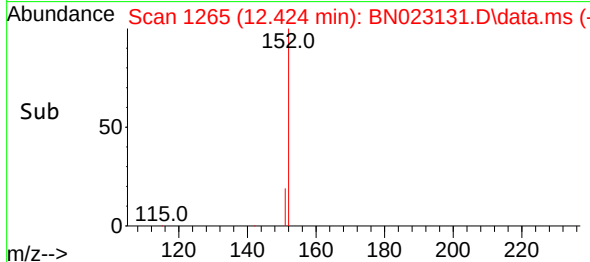
Instrument :
BNA_N
ClientSampleId :
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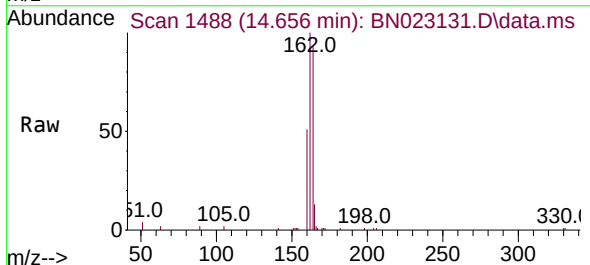
Tgt Ion:152 Resp: 8215
Ion Ratio Lower Upper
152 100
151 21.2 15.1 22.7

Manual Integrations
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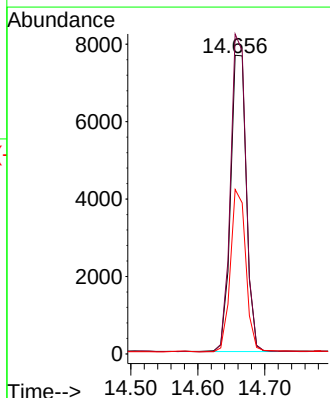
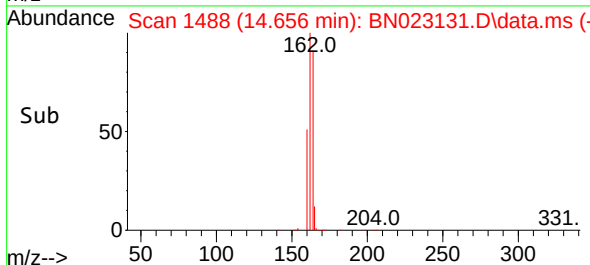
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :mohammad ahmed 12/14/2022

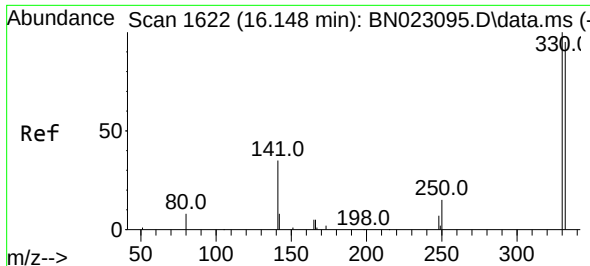


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.656 min Scan# 1488
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28



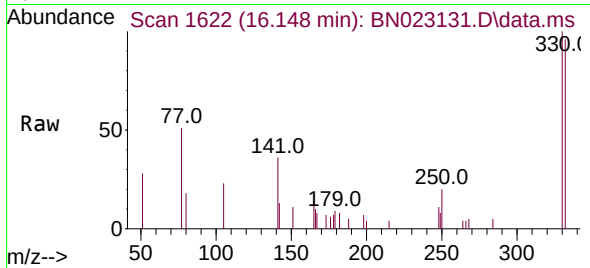
Tgt Ion:164 Resp: 12592
Ion Ratio Lower Upper
164 100
162 107.2 83.4 125.0
160 55.0 41.8 62.8





#14
2,4,6-Tribromophenol
Concen: 0.359 ng
RT: 16.148 min Scan# 1622
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

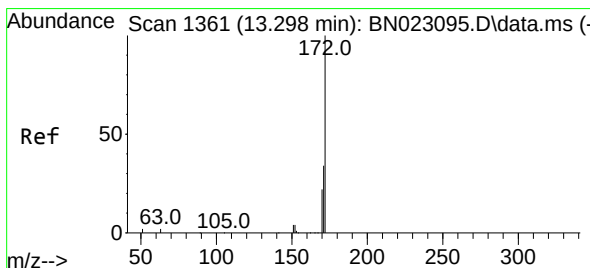
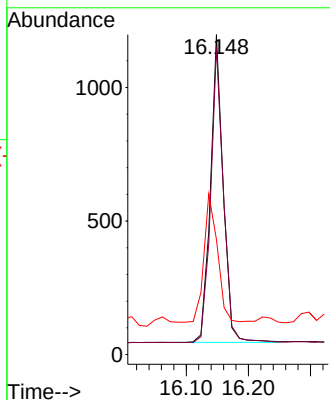
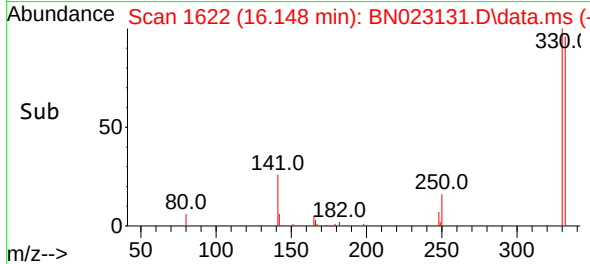
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 330 Resp: 1641
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 43.9 33.5 50.3

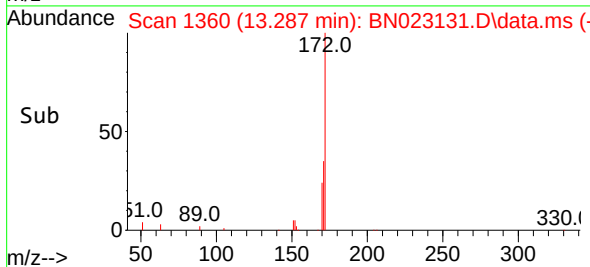
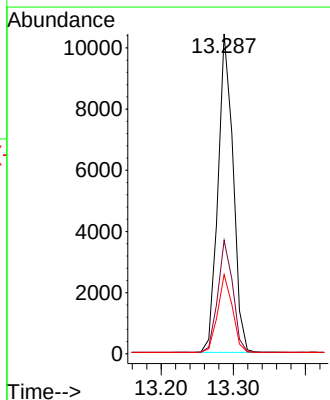
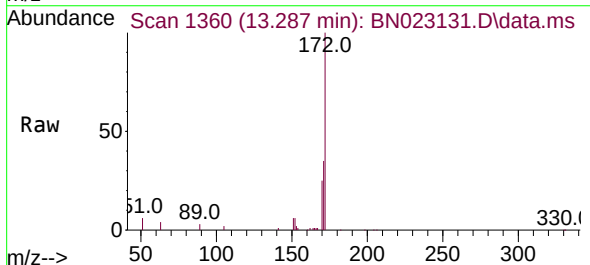
Manual Integrations
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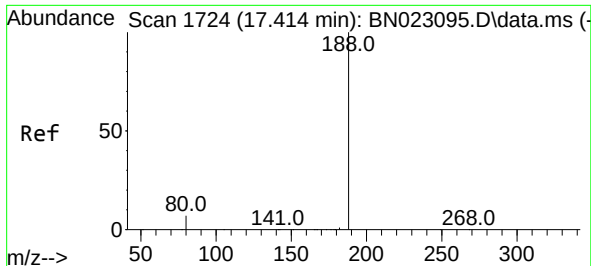
Reviewed By : Christian Giraldo 12/13/2022
Supervised By : mohammad ahmed 12/14/2022



#15
2-Fluorobiphenyl
Concen: 0.302 ng
RT: 13.287 min Scan# 1360
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

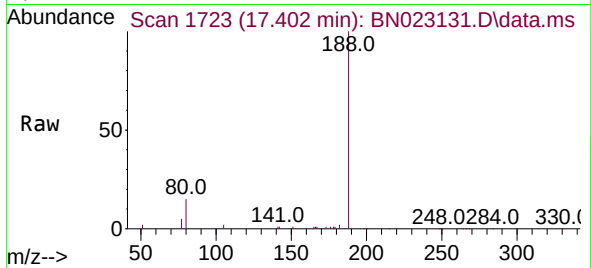
Tgt Ion: 172 Resp: 15189
Ion Ratio Lower Upper
172 100
171 35.5 27.4 41.0
170 24.8 17.9 26.9





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.402 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

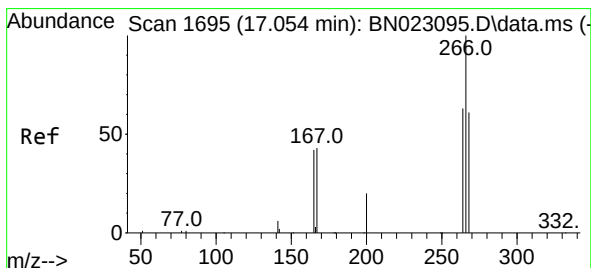
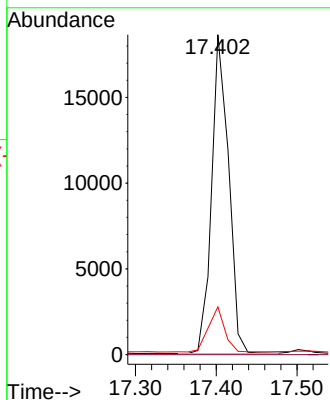
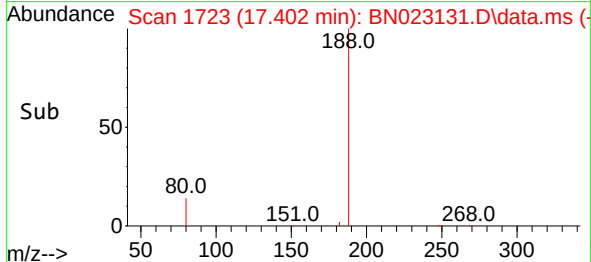
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Tgt Ion:188 Resp: 27164
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.9 6.1 9.1

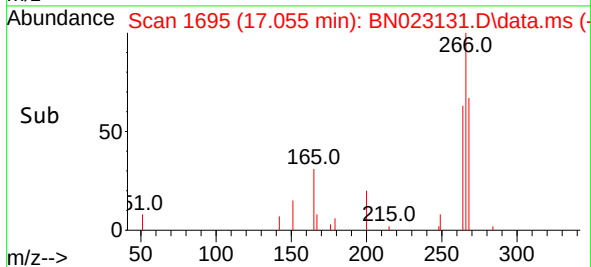
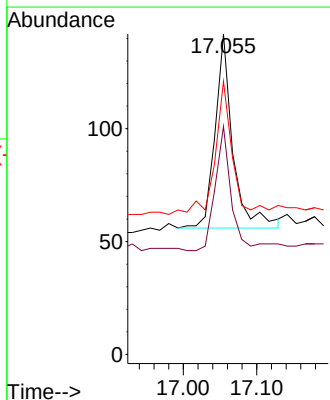
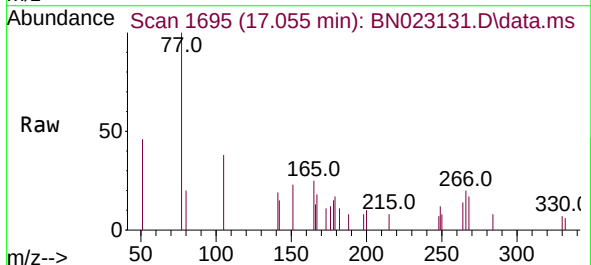
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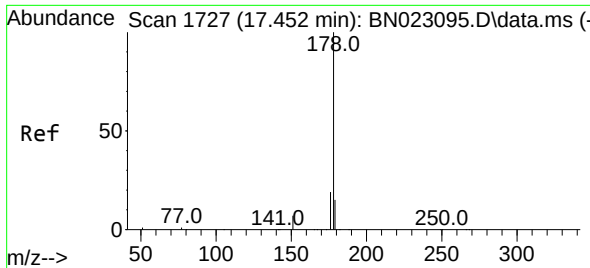
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :mohammad ahmed 12/14/2022



#24
Pentachlorophenol
Concen: 0.022 ng
RT: 17.055 min Scan# 1695
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

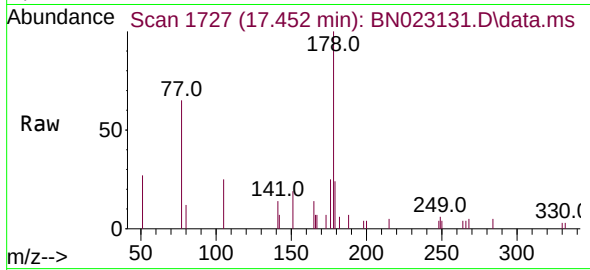
Tgt Ion:266 Resp: 144
Ion Ratio Lower Upper
266 100
264 57.6 50.1 75.1
268 63.9 49.7 74.5





#25
Phenanthrene
Concen: 0.026 ng
RT: 17.452 min Scan# 11
Delta R.T. 0.012 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

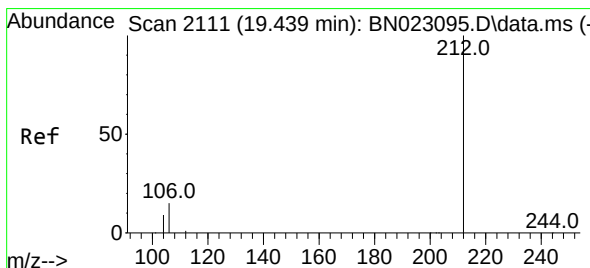
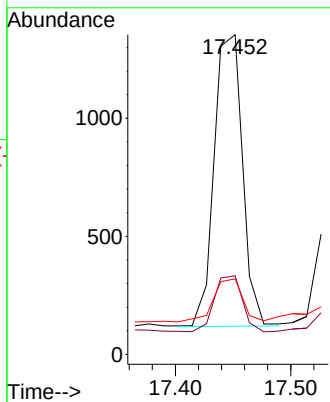
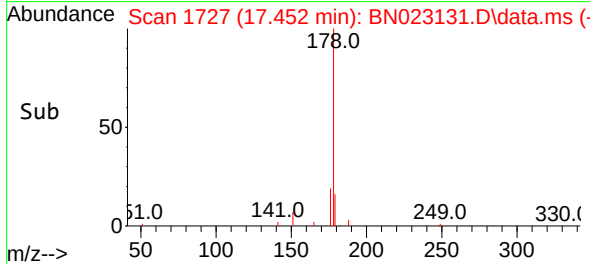
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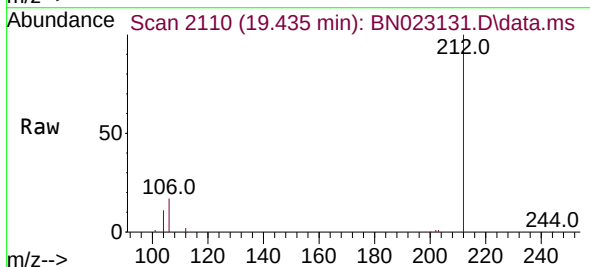
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Ion Ratio Lower Upper
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176 19.7 15.4 23.2
179 19.5 12.2 18.2

Manual Integrations
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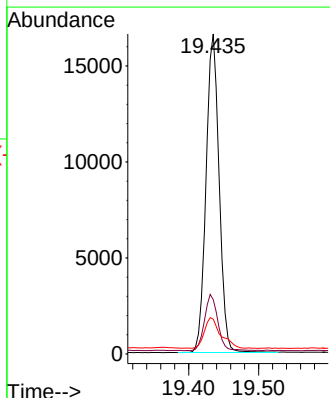
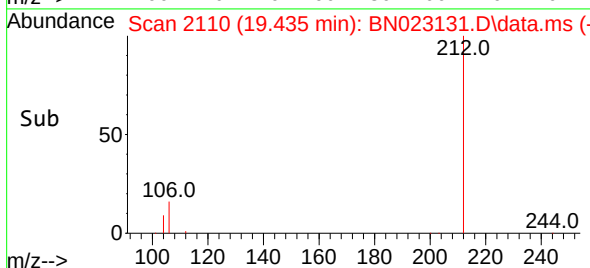
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :mohammad ahmed 12/14/2022

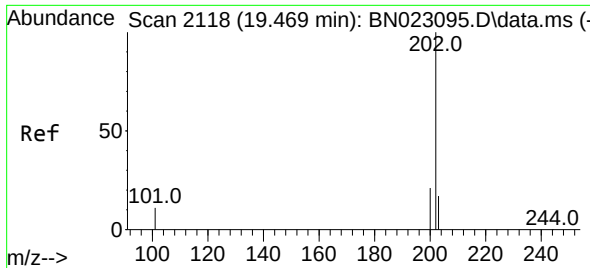


#27
Fluoranthene-d10
Concen: 0.339 ng
RT: 19.435 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28



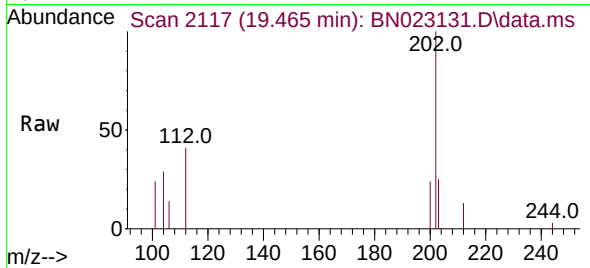
Tgt Ion:212 Resp: 21571
Ion Ratio Lower Upper
212 100
106 17.9 13.0 19.4
104 11.9 7.5 11.3





#28
Fluoranthene
Concen: 0.024 ng
RT: 19.465 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

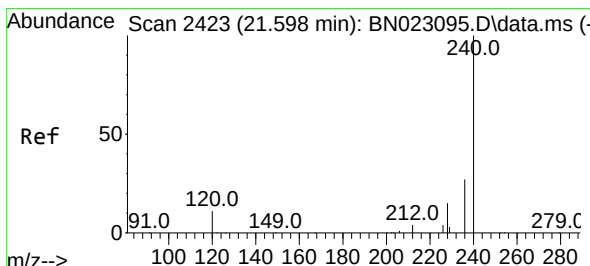
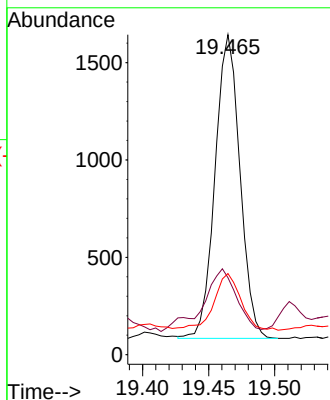
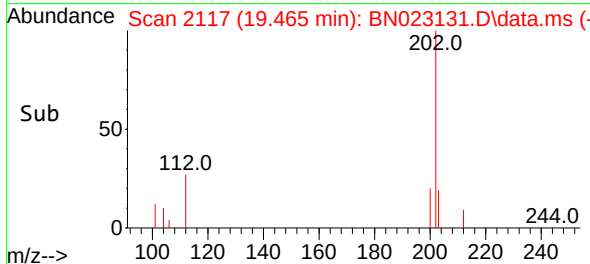
Instrument :
BNA_N
ClientSampleId :
GW-BR-04-95-105-120722



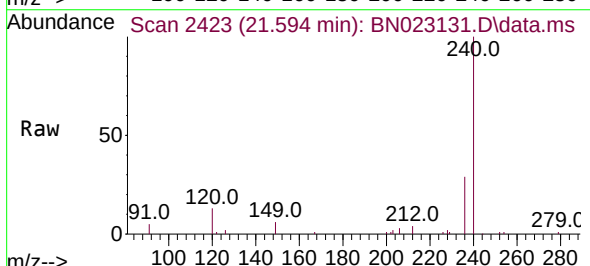
Tgt Ion:202 Resp: 2040
Ion Ratio Lower Upper
202 100
101 27.9 9.7 14.5
203 20.3 13.8 20.6

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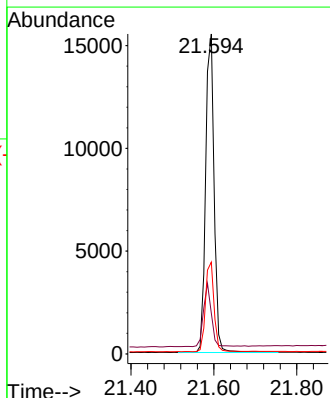
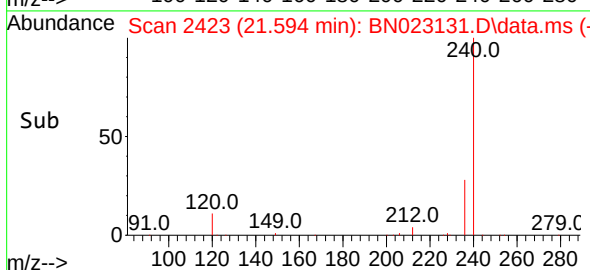
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :mohammad ahmed 12/14/2022

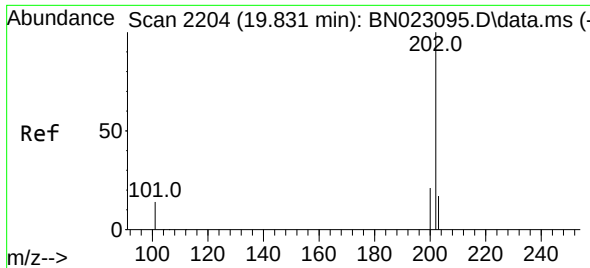


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.594 min Scan# 2423
Delta R.T. 0.004 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28



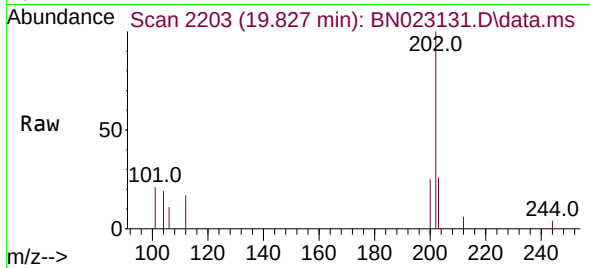
Tgt Ion:240 Resp: 21920
Ion Ratio Lower Upper
240 100
120 12.7 10.1 15.1
236 28.7 22.2 33.4





#30
Pyrene
Concen: 0.025 ng
RT: 19.827 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

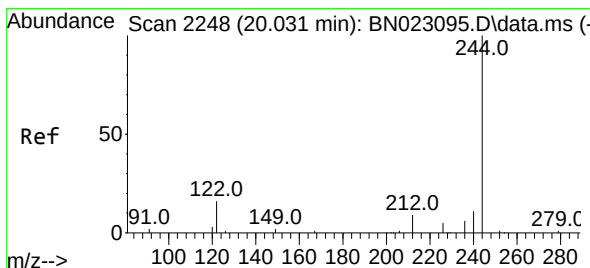
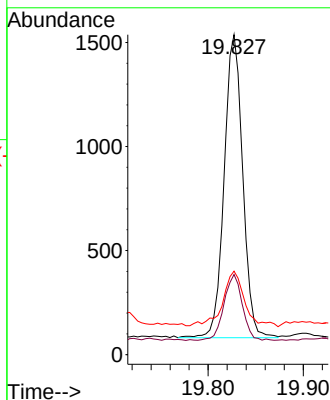
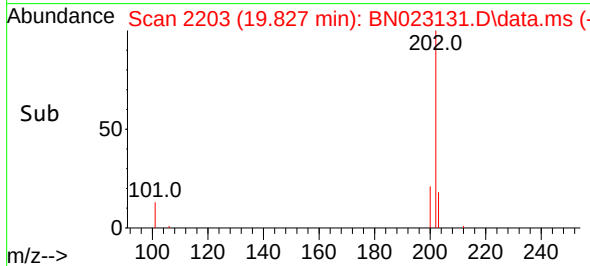
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:202 Resp: 1968
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 21.7 14.2 21.4

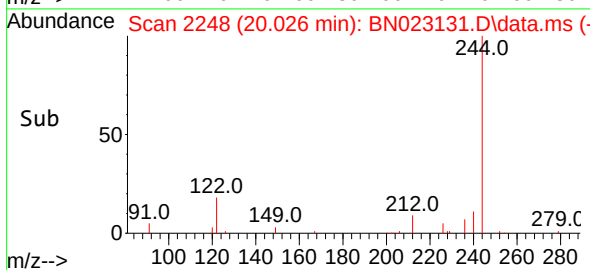
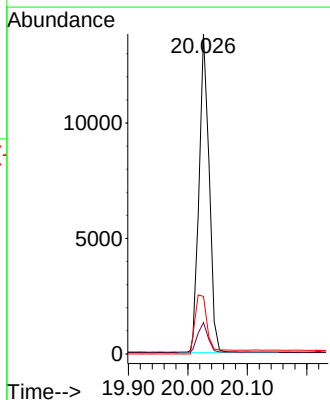
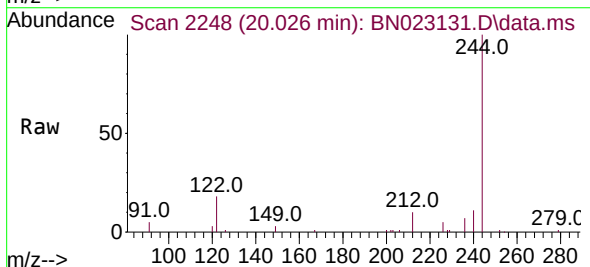
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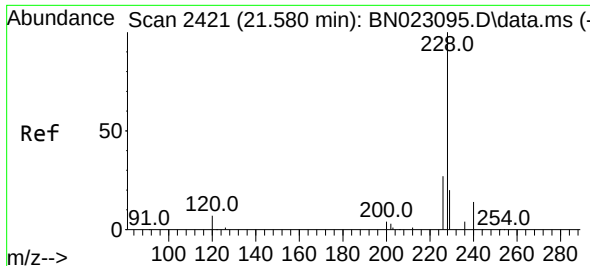
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :mohammad ahmed 12/14/2022



#31
Terphenyl-d14
Concen: 0.395 ng
RT: 20.026 min Scan# 2248
Delta R.T. -0.005 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

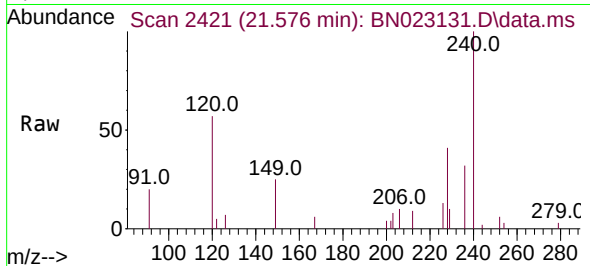
Tgt Ion:244 Resp: 14042
Ion Ratio Lower Upper
244 100
212 9.8 7.6 11.4
122 18.0 12.6 18.8





#32
Benzo(a)anthracene
Concen: 0.032 ng m
RT: 21.576 min Scan# 2421
Delta R.T. 0.004 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

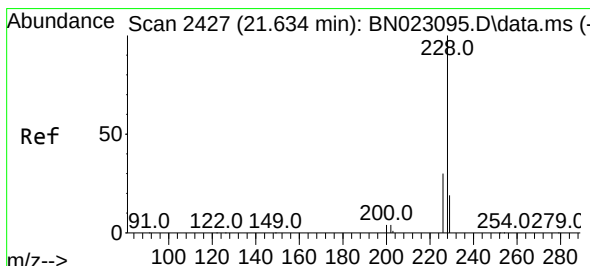
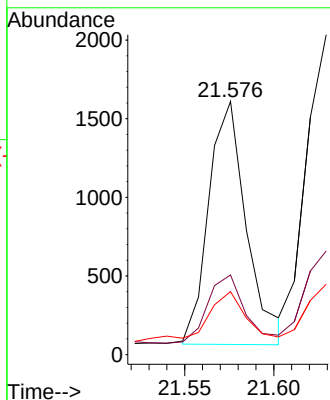
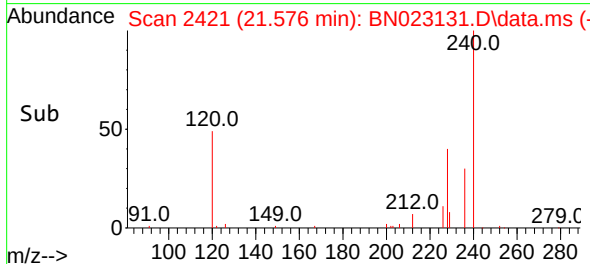
Instrument :
BNA_N
ClientSampleId :
GW-BR-04-95-105-120722



Tgt Ion:228 Resp: 2269
Ion Ratio Lower Upper
228 100
226 31.4 22.0 33.0
229 24.8 15.8 23.8

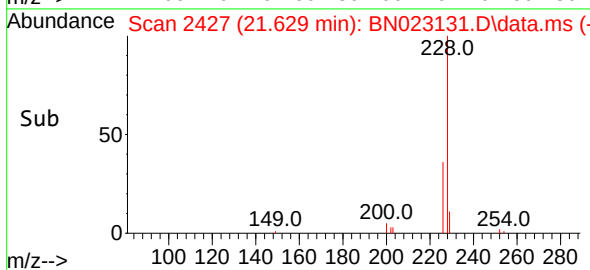
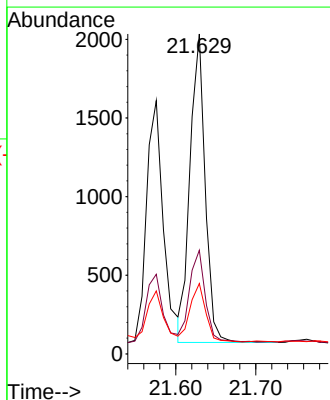
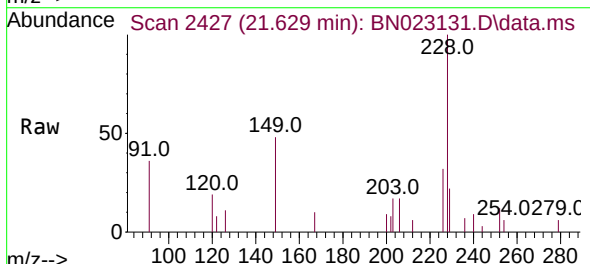
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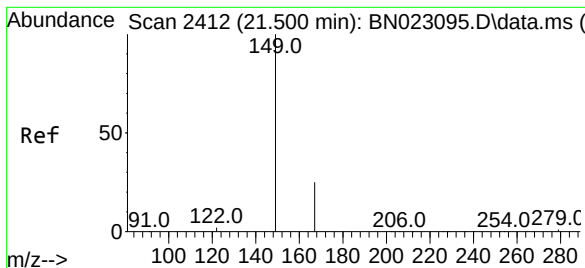
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :mohammad ahmed 12/14/2022



#33
Chrysene
Concen: 0.032 ng
RT: 21.629 min Scan# 2427
Delta R.T. 0.004 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

Tgt Ion:228 Resp: 2575
Ion Ratio Lower Upper
228 100
226 32.4 24.4 36.6
229 22.0 15.6 23.4





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.357 ng

RT: 21.495 min Scan# 2412

Delta R.T. 0.004 min

Lab File: BN023131.D

Acq: 12 Dec 2022 12:28

Instrument :

BNA_N

ClientSampleId :

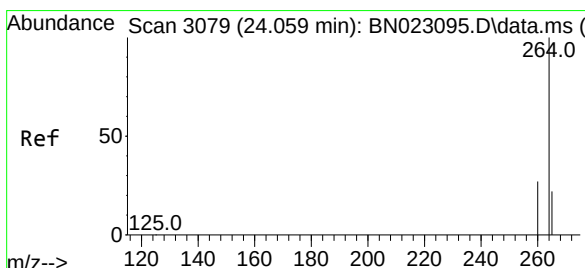
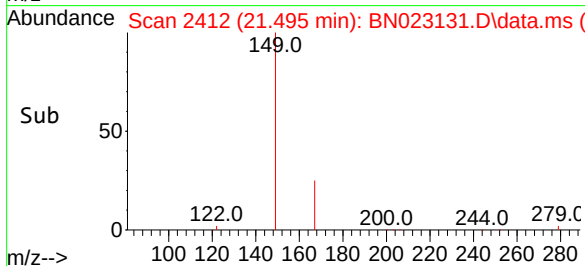
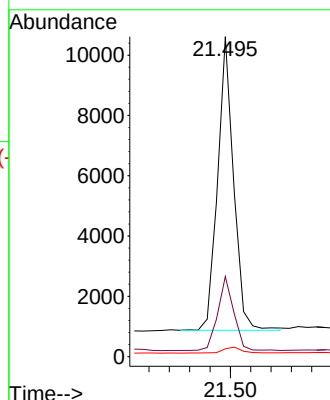
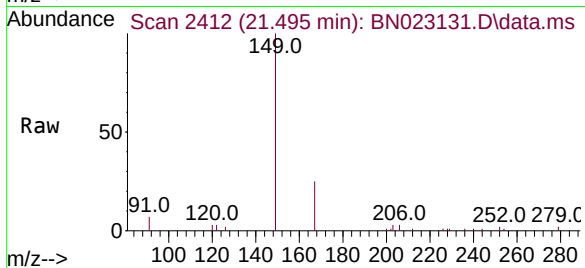
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Tgt Ion:	149	Resp:	1066
Ion Ratio	Lower	Upper	
149	100		
167	25.3	20.2	30.2
279	2.5	2.3	3.5

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#35

Perylene-d12

Concen: 0.400 ng

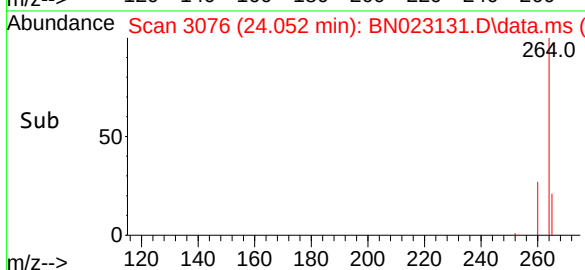
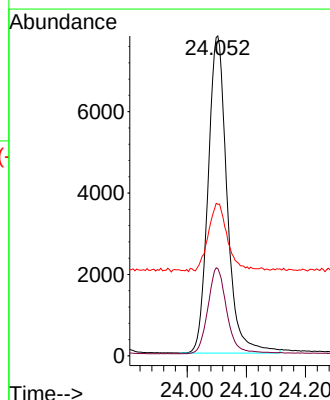
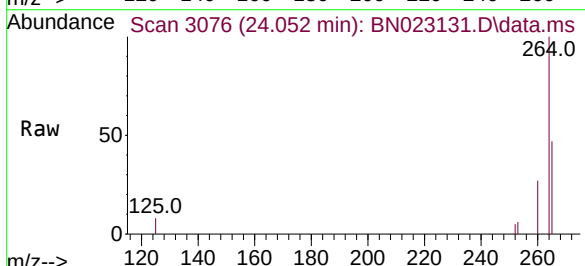
RT: 24.052 min Scan# 3076

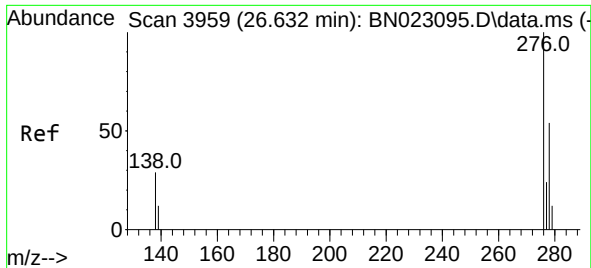
Delta R.T. 0.001 min

Lab File: BN023131.D

Acq: 12 Dec 2022 12:28

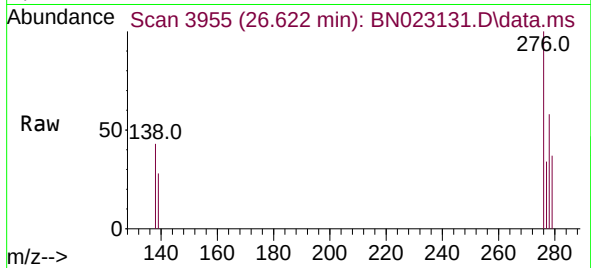
Tgt Ion:	264	Resp:	17447
Ion Ratio	Lower	Upper	
264	100		
260	27.3	21.7	32.5
265	47.4	43.2	64.8





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.024 ng
RT: 26.622 min Scan# 3959
Delta R.T. 0.004 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

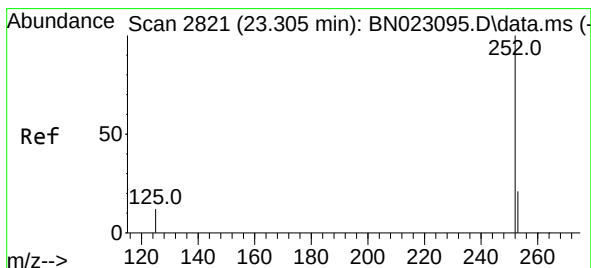
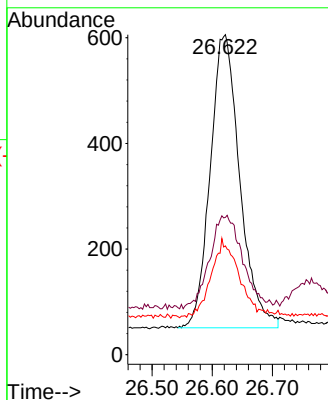
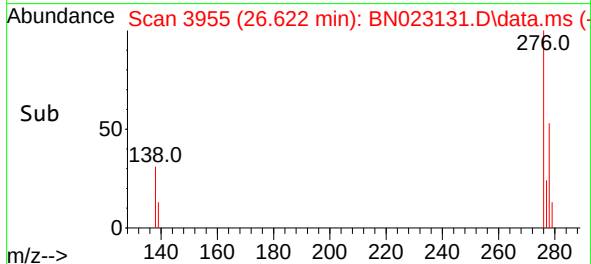
Instrument :
BNA_N
ClientSampleId :
GW-BR-04-95-105-120722



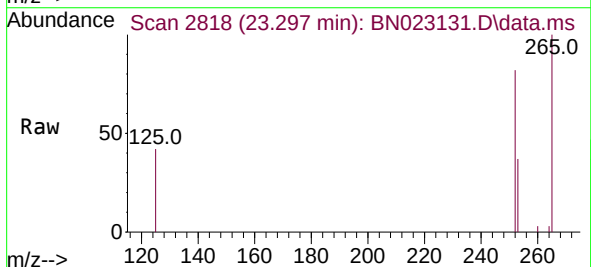
Tgt Ion: 276 Resp: 1898
Ion Ratio Lower Upper
276 100
138 35.2 25.0 37.6
277 25.2 19.8 29.8

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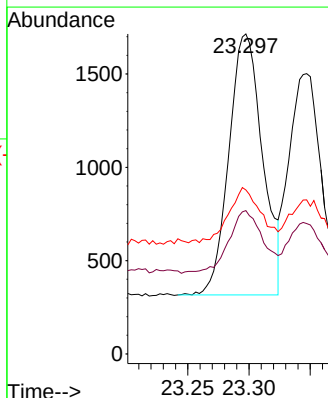
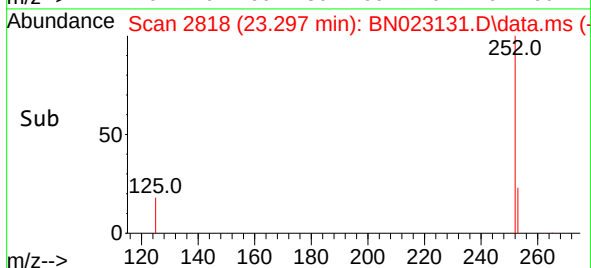
Reviewed By : Christian Giraldo 12/13/2022
Supervised By : mohammad ahmed 12/14/2022

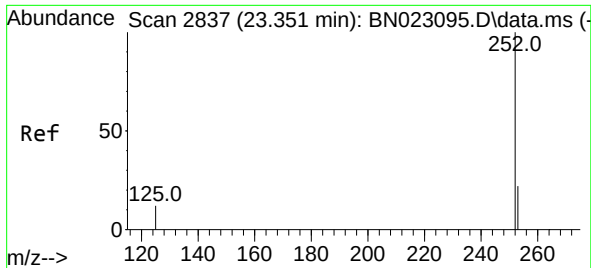


#37
Benzo(b)fluoranthene
Concen: 0.037 ng
RT: 23.297 min Scan# 2818
Delta R.T. 0.001 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28



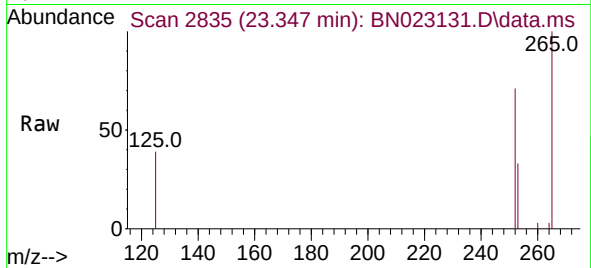
Tgt Ion: 252 Resp: 2676
Ion Ratio Lower Upper
252 100
253 44.8 19.0 28.4#
125 51.3 12.8 19.2#





#38
Benzo(k)fluoranthene
Concen: 0.029 ng
RT: 23.347 min Scan# 2835
Delta R.T. 0.001 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

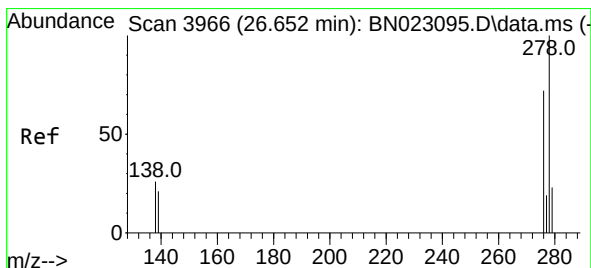
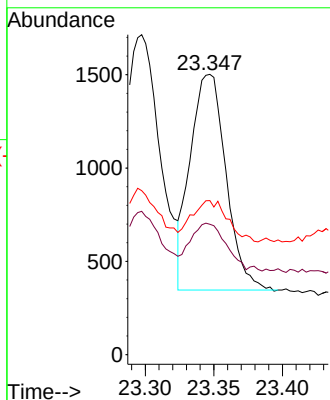
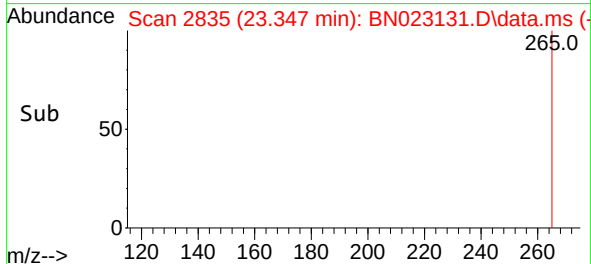
Instrument :
BNA_N
ClientSampleId :
GW-BR-04-95-105-120722



Tgt Ion:252 Resp: 2104
Ion Ratio Lower Upper
252 100
253 46.5 19.1 28.7#
125 55.0 12.5 18.7#

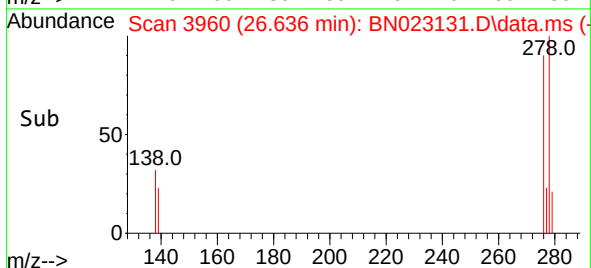
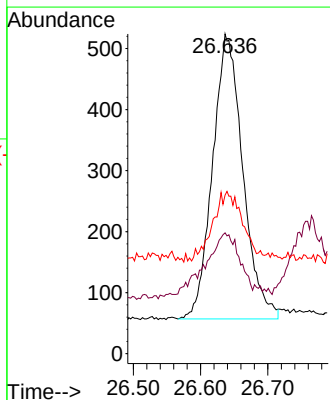
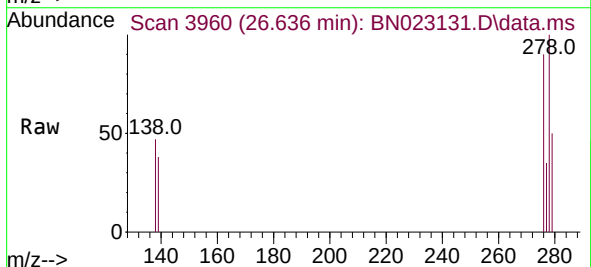
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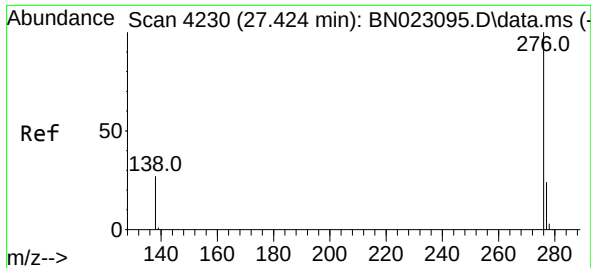
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :mohammad ahmed 12/14/2022



#40
Dibenzo(a,h)anthracene
Concen: 0.023 ng
RT: 26.636 min Scan# 3960
Delta R.T. -0.002 min
Lab File: BN023131.D
Acq: 12 Dec 2022 12:28

Tgt Ion:278 Resp: 1457
Ion Ratio Lower Upper
278 100
139 37.8 17.5 26.3#
279 49.6 20.5 30.7#





#41

Benzo(g,h,i)perylene

Concen: 0.026 ng

RT: 27.411 min Scan# 41

Delta R.T. 0.001 min

Lab File: BN023131.D

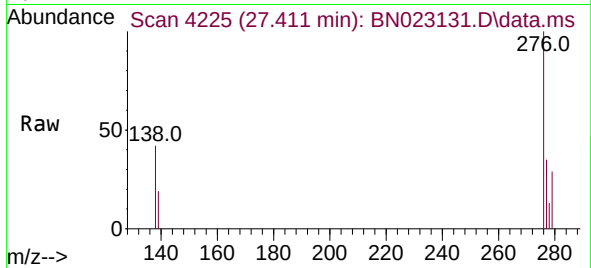
Acq: 12 Dec 2022 12:28

Instrument :

BNA_N

ClientSampleId :

GW-BR-04-95-105-120722



Tgt Ion:276 Resp: 1756

Ion Ratio Lower Upper

276 100

277 34.9 19.9 29.9

138 41.7 22.2 33.2

Manual Integrations

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Reviewed By :Christian Giraldo 12/13/2022

Supervised By :mohammad ahmed 12/14/2022

