

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122722\
 Data File : BN023497.D
 Acq On : 27 Dec 2022 20:41
 Operator : CG/JU
 Sample : N6103-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT-210-IDWSO-20221215

Quant Time: Dec 28 04:17:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 03:57:20 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
 Supervised By :Jagrut Upadhyay 12/28/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	4095	0.400	ng	0.00
7) Naphthalene-d8	10.797	136	12027	0.400	ng	0.00
13) Acenaphthene-d10	14.623	164	6681	0.400	ng	0.00
19) Phenanthrene-d10	17.377	188	14966	0.400	ng	0.00
29) Chrysene-d12	21.562	240	13715	0.400	ng	# 0.00
35) Perylene-d12	24.001	264	12204	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.522	112	4228	0.466	ng	0.00
5) Phenol-d6	7.139	99	5620	0.505	ng	0.00
8) Nitrobenzene-d5	9.142	82	3329m	0.354	ng	0.00
11) 2-Methylnaphthalene-d10	12.382	152	6340	0.362	ng	0.00
14) 2,4,6-Tribromophenol	16.111	330	1114	0.340	ng	-0.01
15) 2-Fluorobiphenyl	13.255	172	10137	0.383	ng	0.00
27) Fluoranthene-d10	19.405	212	15036	0.411	ng	0.00
31) Terphenyl-d14	20.000	244	13570	0.424	ng	0.00
Target Compounds						Qvalue
25) Phenanthrene	17.414	178	37241	0.874	ng	100
26) Anthracene	17.501	178	8898	0.251	ng	98
28) Fluoranthene	19.435	202	95119	1.986	ng	100
30) Pyrene	19.797	202	86369	1.687	ng	# 96
32) Benzo(a)anthracene	21.544	228	59465	1.301	ng	99
33) Chrysene	21.598	228	52006	1.108	ng	98
36) Indeno(1,2,3-cd)pyrene	26.544	276	28156	0.618	ng	95
37) Benzo(b)fluoranthene	23.258	252	74869	1.597	ng	96
38) Benzo(k)fluoranthene	23.302	252	29122m	0.632	ng	
39) Benzo(a)pyrene	23.889	252	48564m	1.357	ng	
40) Dibenzo(a,h)anthracene	26.559	278	7301	0.210	ng	# 88
41) Benzo(g,h,i)perylene	27.334	276	28617	0.713	ng	99

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

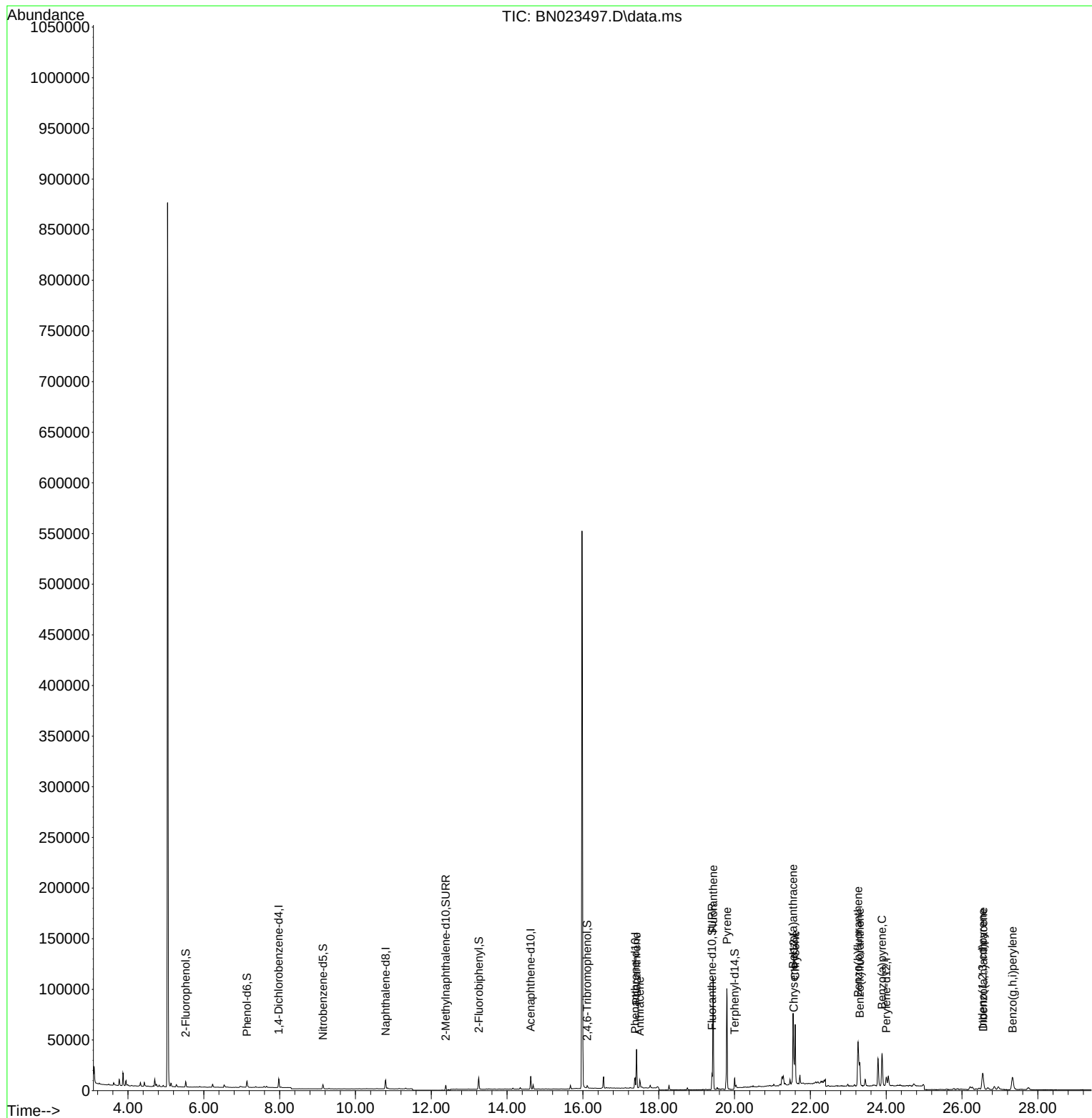
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Data File : BN023497.D
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ALS Vial : 14 Sample Multiplier: 1

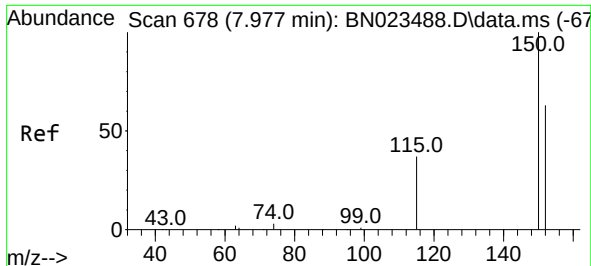
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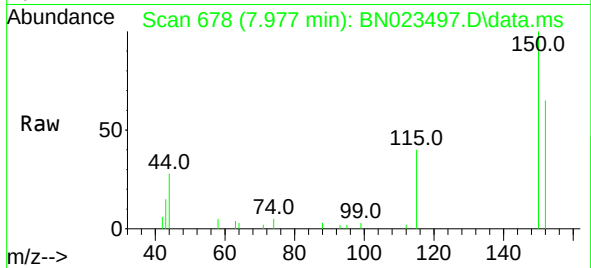
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.977 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

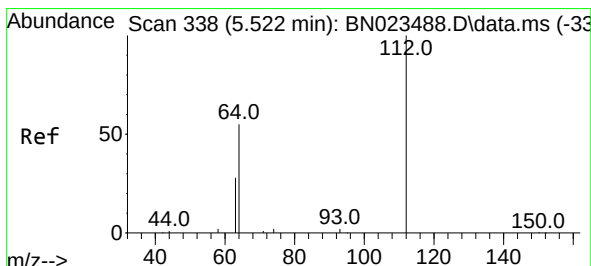
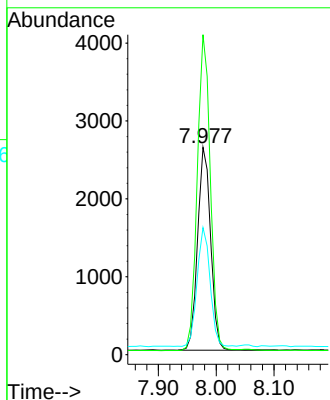
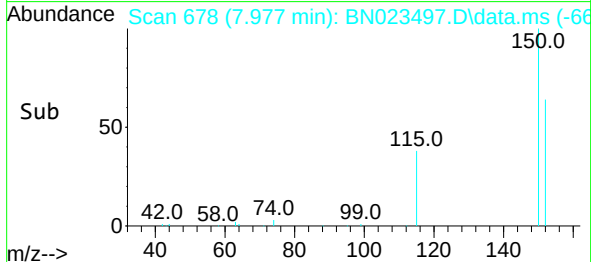
Instrument :
BNA_N
ClientSampleId :
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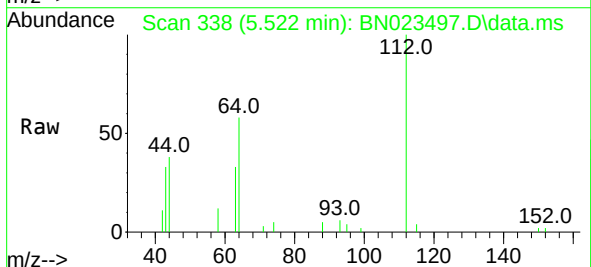
Tgt Ion:152 Resp: 409
Ion Ratio Lower Upper
152 100
150 154.3 125.0 187.6
115 61.3 48.8 73.2

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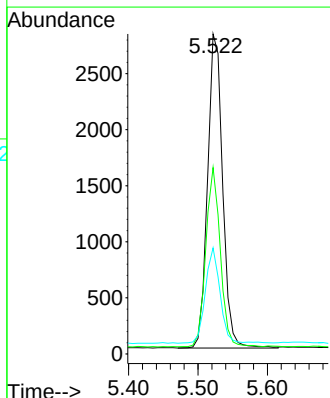
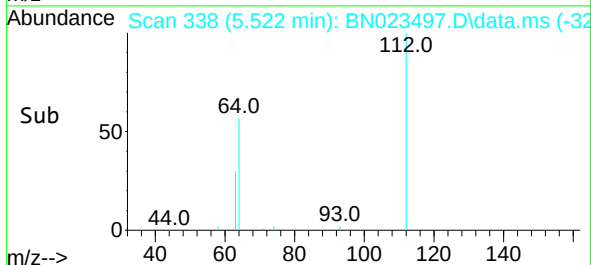
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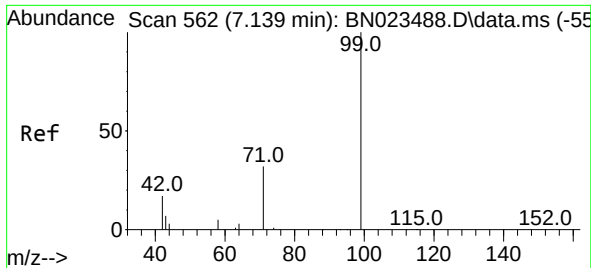


#4
2-Fluorophenol
Concen: 0.466 ng
RT: 5.522 min Scan# 338
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41



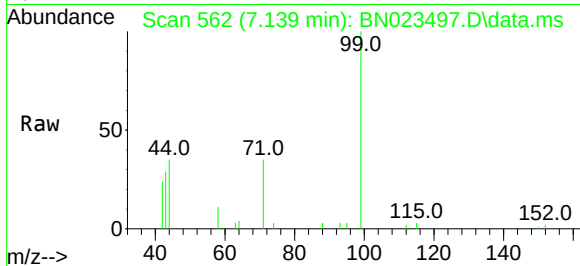
Tgt Ion:112 Resp: 4228
Ion Ratio Lower Upper
112 100
64 54.8 44.3 66.5
63 29.3 23.8 35.6





#5
Phenol-d6
Concen: 0.505 ng
RT: 7.139 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

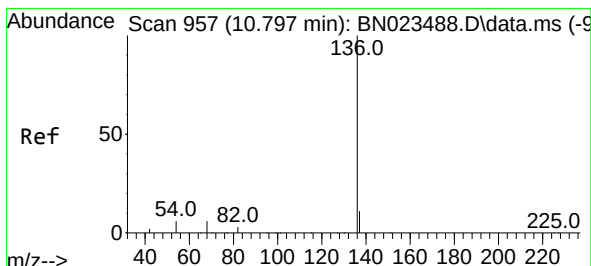
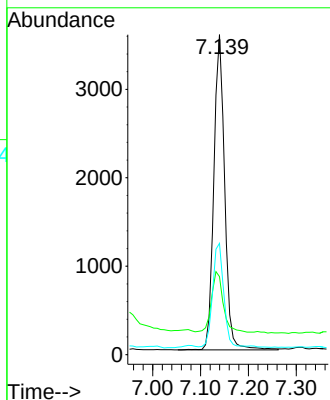
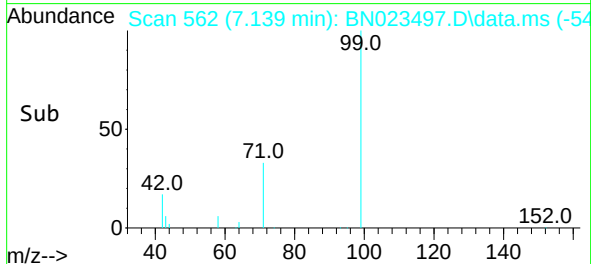
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TT-210-IDWSO-20221215



Tgt Ion: 99 Resp: 5620
Ion Ratio Lower Upper
99 100
42 20.6 16.8 25.2
71 34.0 27.0 40.4

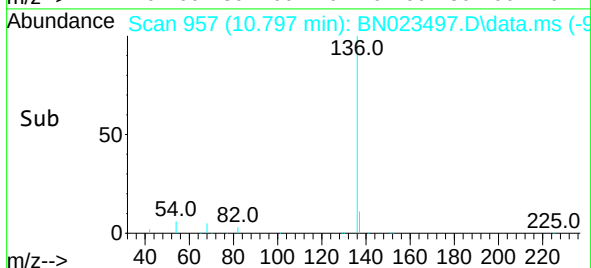
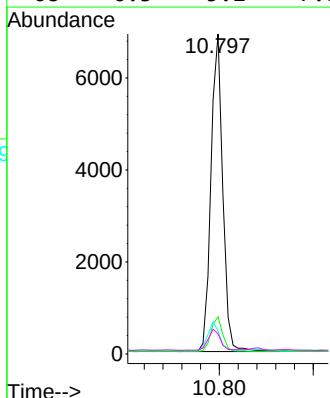
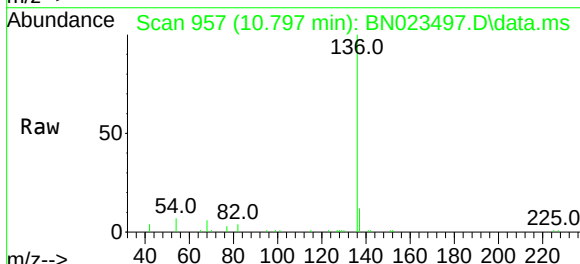
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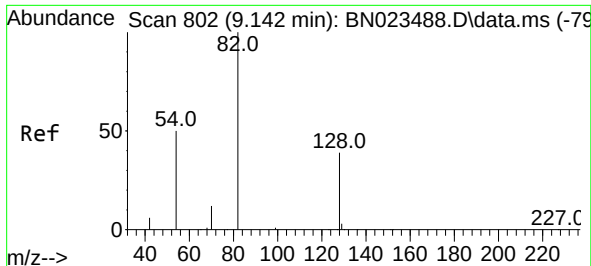
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.797 min Scan# 957
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

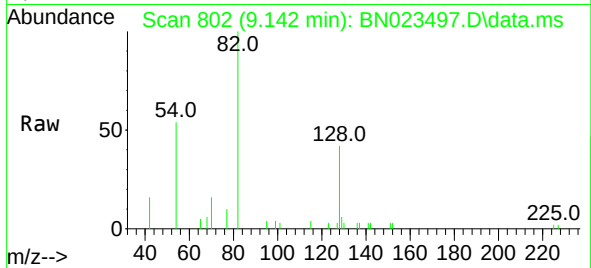
Tgt Ion:136 Resp: 12027
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.4
54 7.2 5.8 8.8
68 6.3 5.2 7.8





#8
Nitrobenzene-d5
Concen: 0.354 ng m
RT: 9.142 min Scan# 802
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

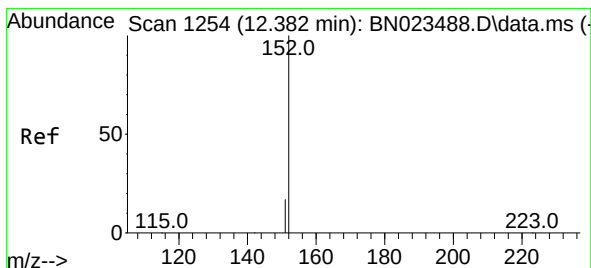
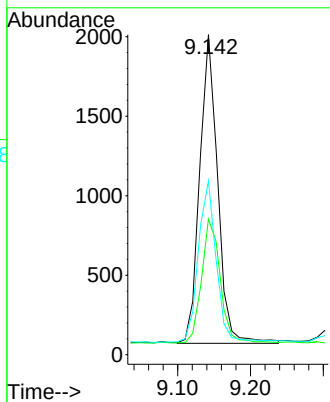
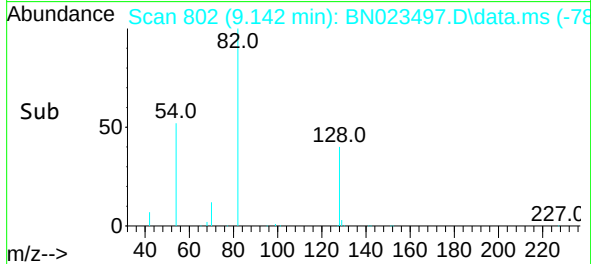
Instrument :
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TT-210-IDWSO-20221215



Tgt Ion: 82 Resp: 3329
Ion Ratio Lower Upper
82 100
128 42.4 32.6 49.0
54 54.3 41.4 62.0

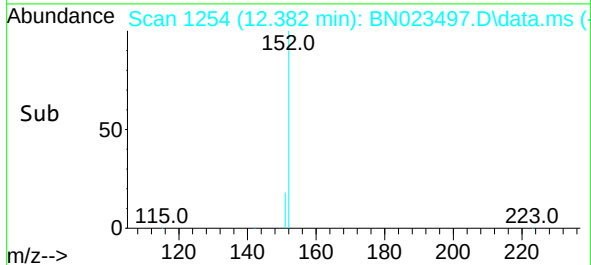
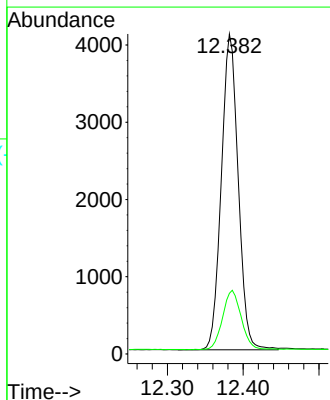
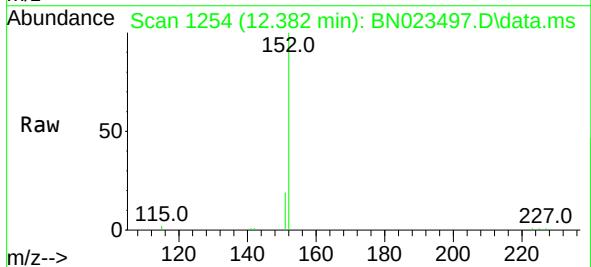
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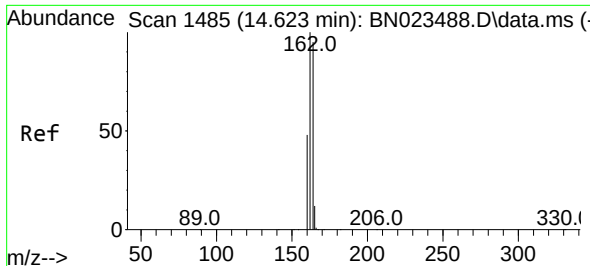
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#11
2-Methylnaphthalene-d10
Concen: 0.362 ng
RT: 12.382 min Scan# 1254
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

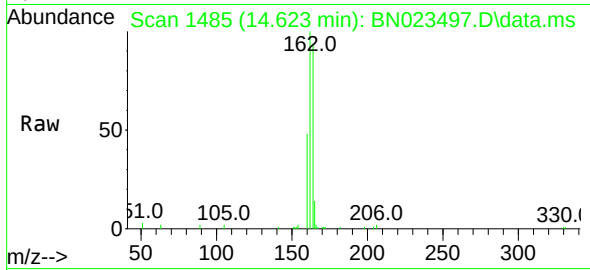
Tgt Ion:152 Resp: 6340
Ion Ratio Lower Upper
152 100
151 20.7 14.8 22.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.623 min Scan# 1485
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

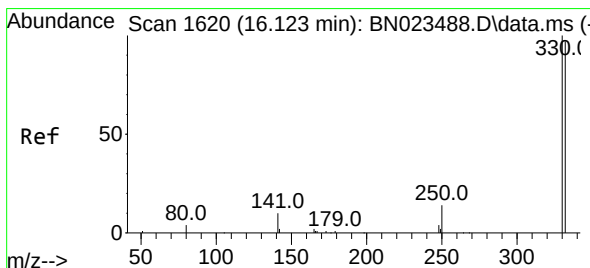
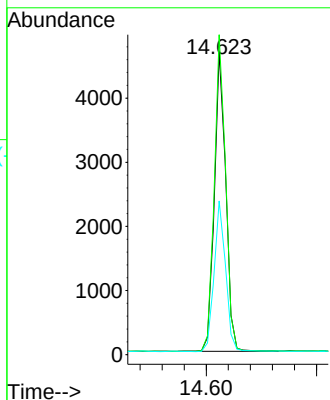
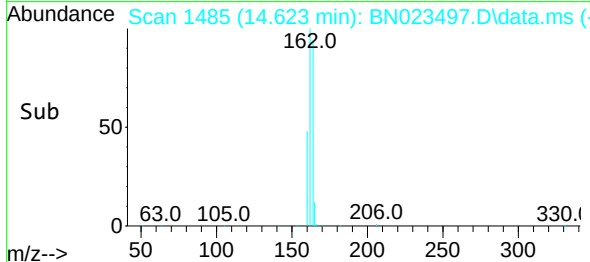
Instrument :
BNA_N
ClientSampleId :
TT-210-IDWSO-20221215



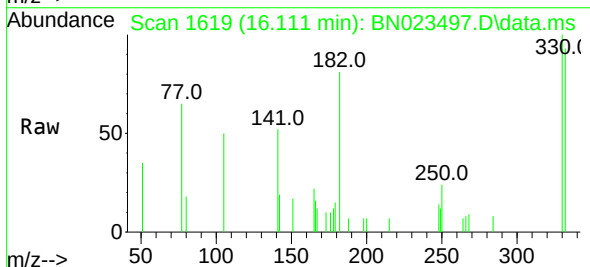
Tgt Ion:164 Resp: 668
Ion Ratio Lower Upper
164 100
162 106.0 83.9 125.9
160 50.9 40.9 61.3

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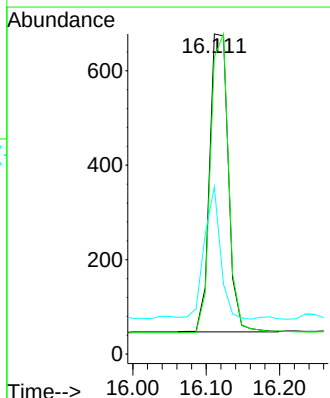
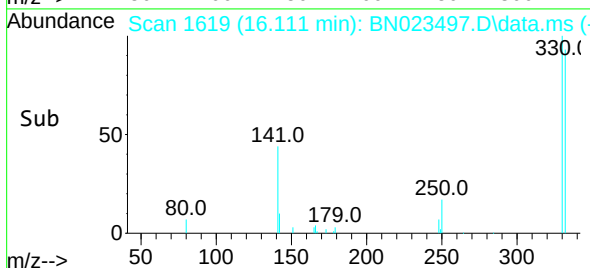
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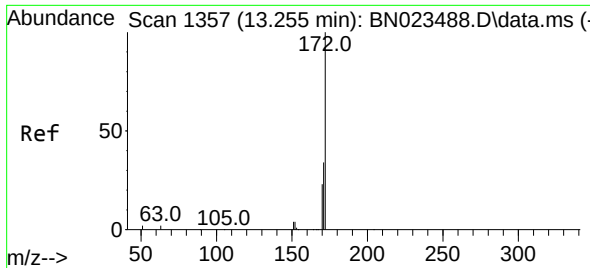


#14
2,4,6-Tribromophenol
Concen: 0.340 ng
RT: 16.111 min Scan# 1619
Delta R.T. -0.012 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41



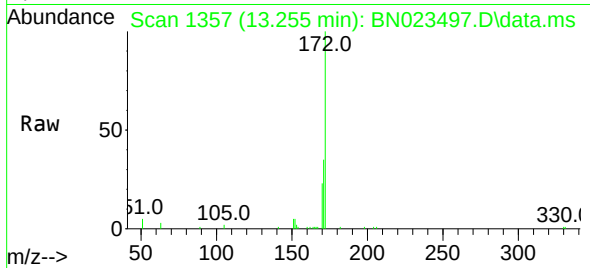
Tgt Ion:330 Resp: 1114
Ion Ratio Lower Upper
330 100
332 98.4 76.7 115.1
141 38.4 29.8 44.6





#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 13.255 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

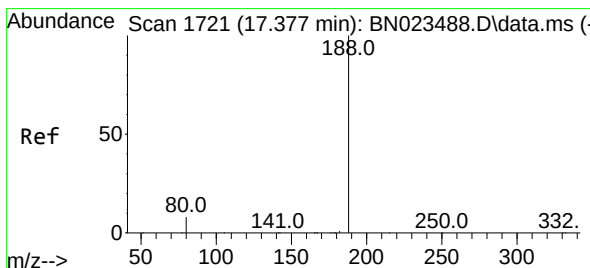
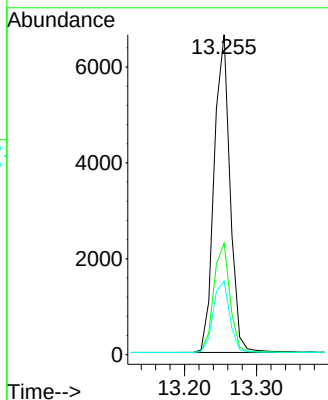
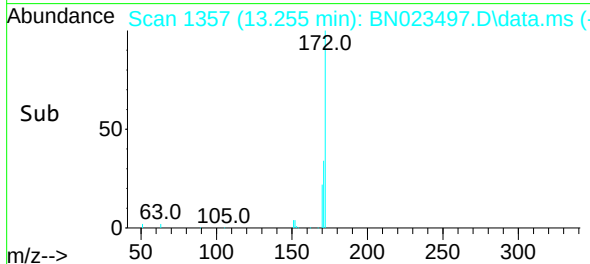
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TT-210-IDWSO-20221215



Tgt Ion:172 Resp: 1013
Ion Ratio Lower Upper
172 100
171 34.8 27.6 41.4
170 23.0 18.7 28.1

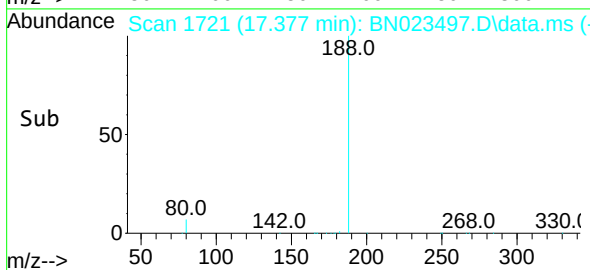
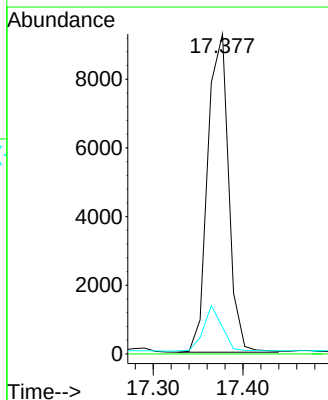
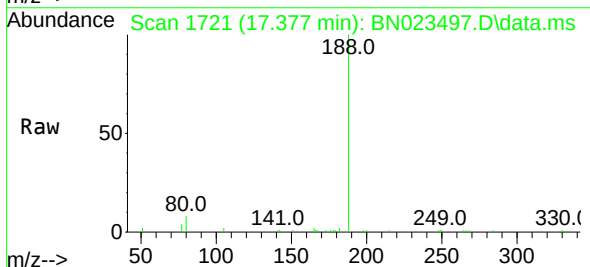
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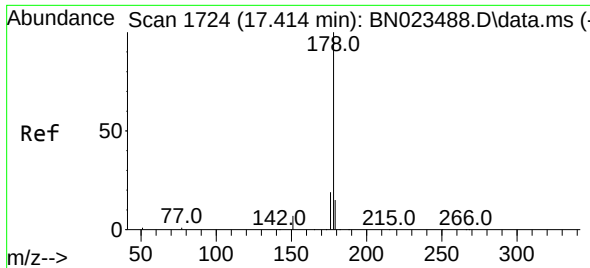
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.377 min Scan# 1721
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

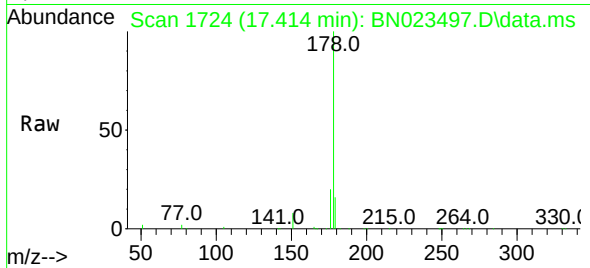
Tgt Ion:188 Resp: 14966
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 6.7 10.1





#25
Phenanthrene
Concen: 0.874 ng
RT: 17.414 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

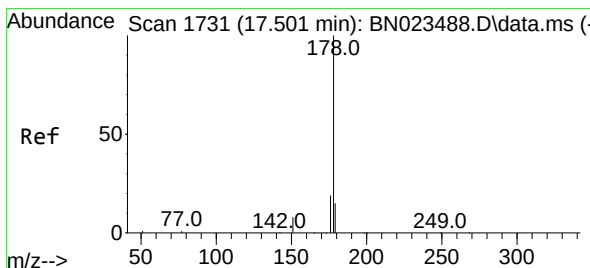
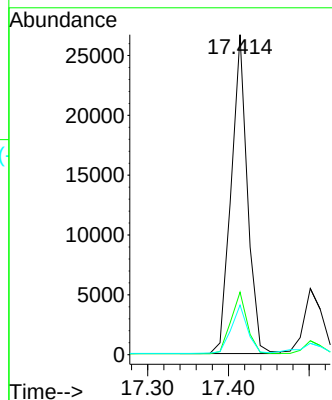
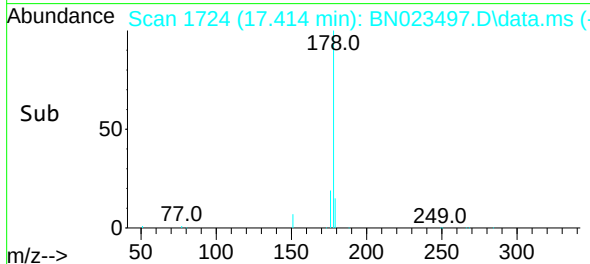
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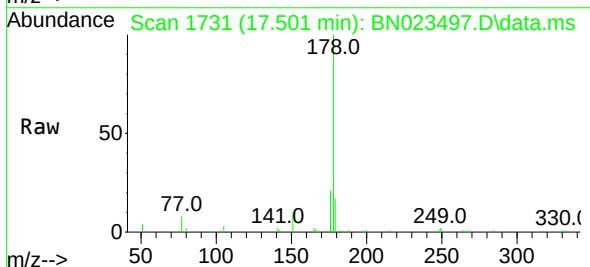
Tgt Ion:178 Resp: 3724
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.5 12.2 18.4

Manual Integrations
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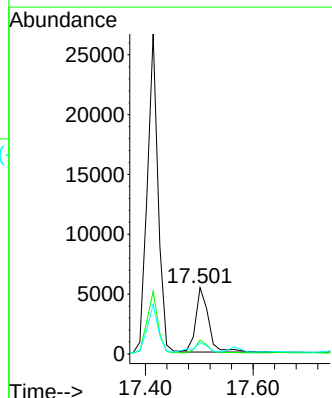
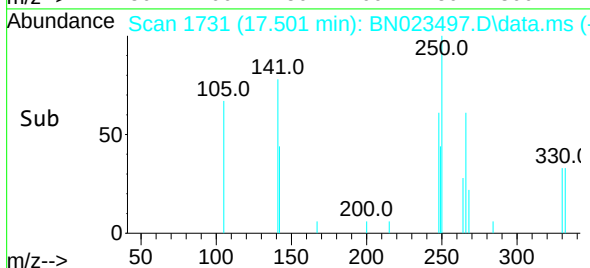
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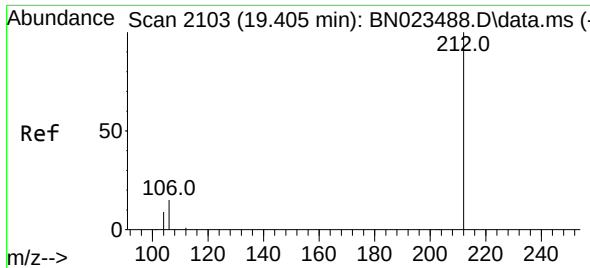


#26
Anthracene
Concen: 0.251 ng
RT: 17.501 min Scan# 1731
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41



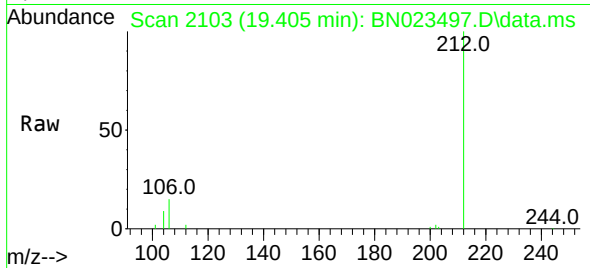
Tgt Ion:178 Resp: 8898
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 17.3 12.3 18.5





#27
Fluoranthene-d10
Concen: 0.411 ng
RT: 19.405 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

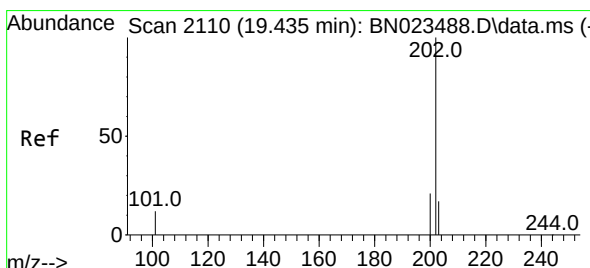
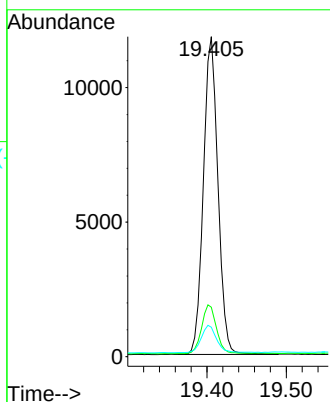
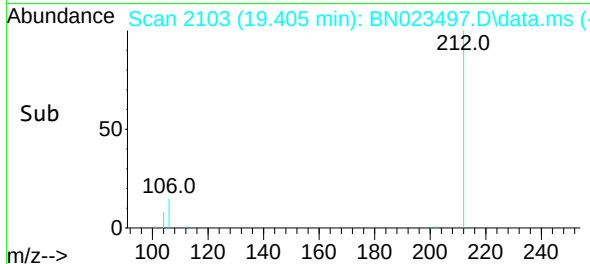
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ClientSampleId :
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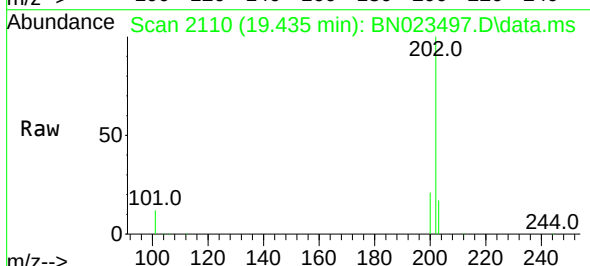
Tgt Ion:212 Resp: 15036
Ion Ratio Lower Upper
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106 15.8 12.3 18.5
104 9.2 6.8 10.2

Manual Integrations
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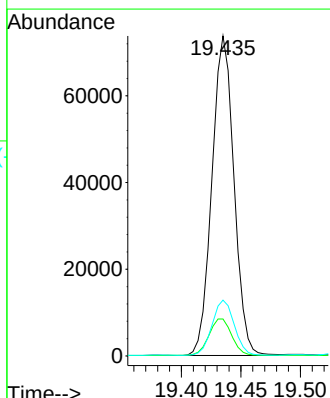
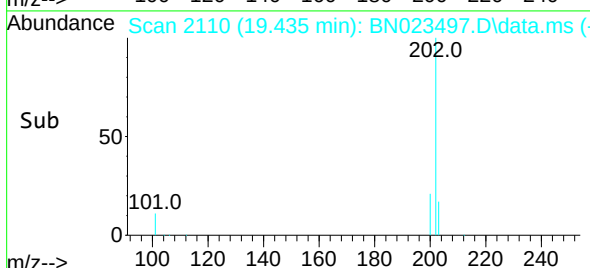
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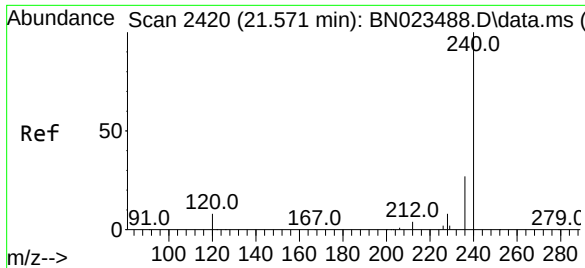


#28
Fluoranthene
Concen: 1.986 ng
RT: 19.435 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41



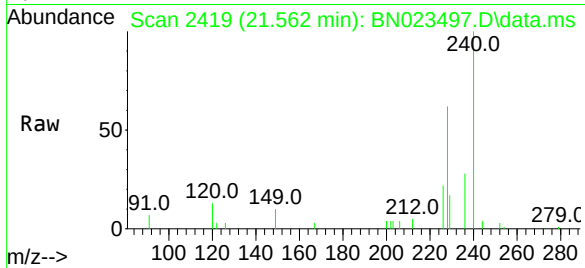
Tgt Ion:202 Resp: 95119
Ion Ratio Lower Upper
202 100
101 11.9 9.6 14.4
203 17.3 13.8 20.8





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.562 min Scan# 2419
Delta R.T. -0.009 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

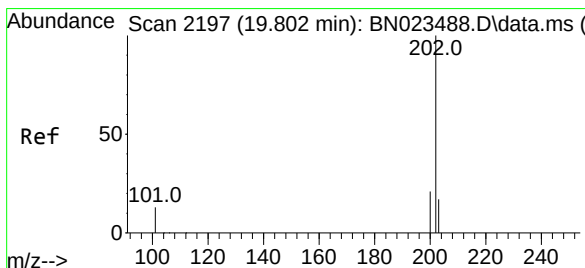
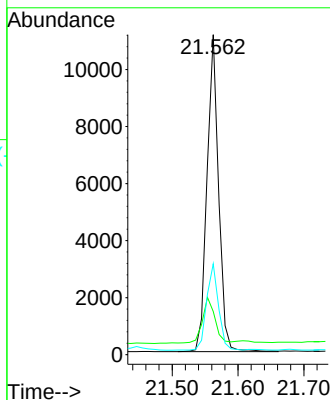
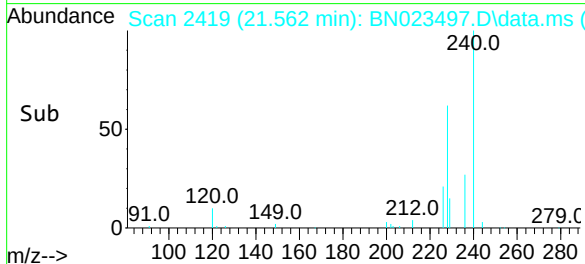
Instrument :
BNA_N
ClientSampleId :
TT-210-IDWSO-20221215



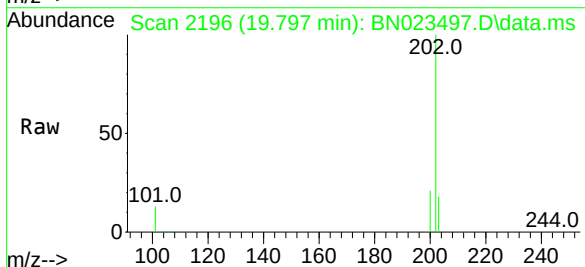
Tgt Ion:240 Resp: 13715
Ion Ratio Lower Upper
240 100
120 13.5 8.9 13.3
236 28.4 22.5 33.7

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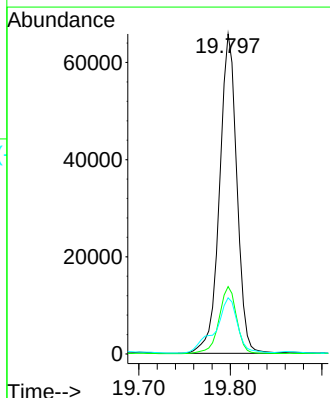
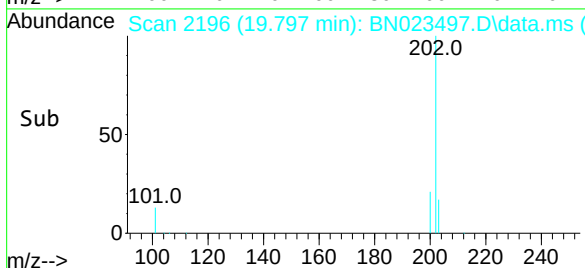
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

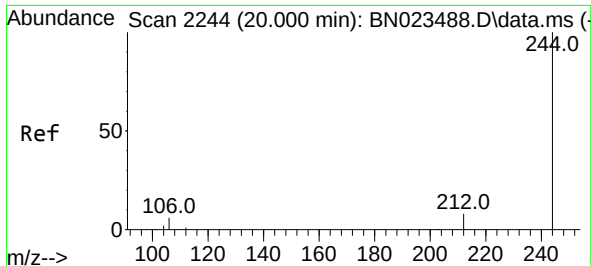


#30
Pyrene
Concen: 1.687 ng
RT: 19.797 min Scan# 2196
Delta R.T. -0.004 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41



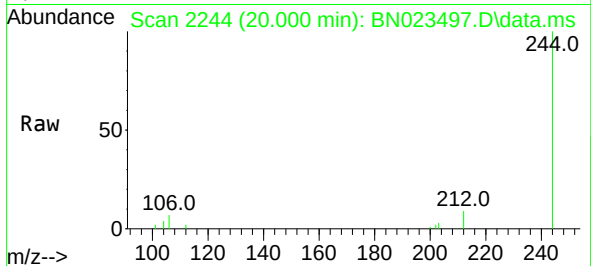
Tgt Ion:202 Resp: 86369
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 22.3 14.4 21.6#





#31
 Terphenyl-d14
 Concen: 0.424 ng
 RT: 20.000 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: BN023497.D
 Acq: 27 Dec 2022 20:41

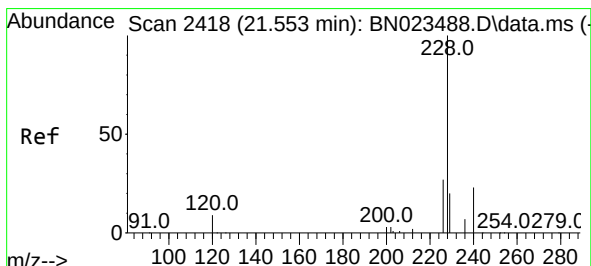
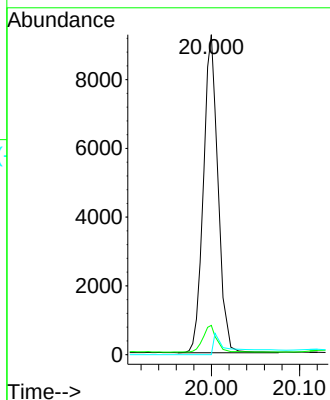
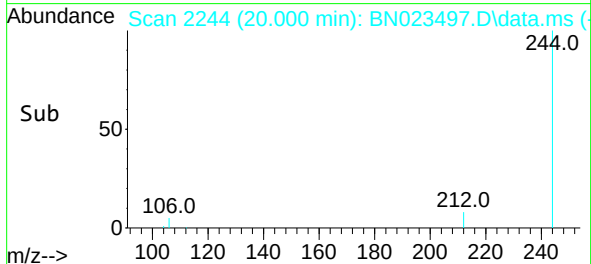
Instrument :
 BNA_N
 ClientSampleId :
 TT-210-IDWSO-20221215



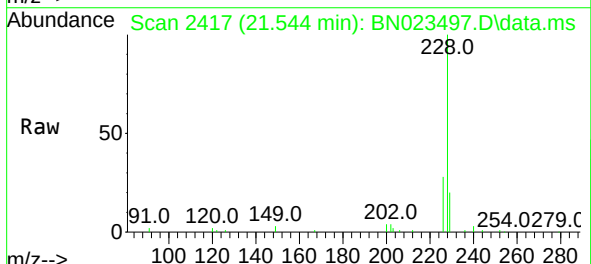
Tgt Ion:244 Resp: 13570
 Ion Ratio Lower Upper
 244 100
 212 9.2 7.4 11.0
 122 0.0 0.0 0.0

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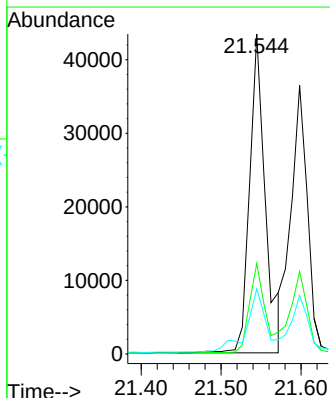
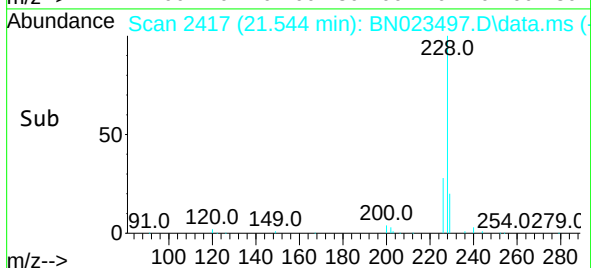
Reviewed By :Christian Giraldo 12/28/2022
 Supervised By :Jagrut Upadhyay 12/28/2022

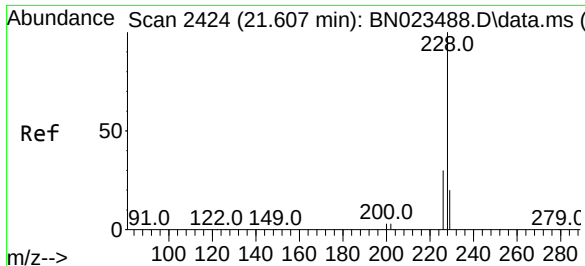


#32
 Benzo(a)anthracene
 Concen: 1.301 ng
 RT: 21.544 min Scan# 2417
 Delta R.T. -0.009 min
 Lab File: BN023497.D
 Acq: 27 Dec 2022 20:41



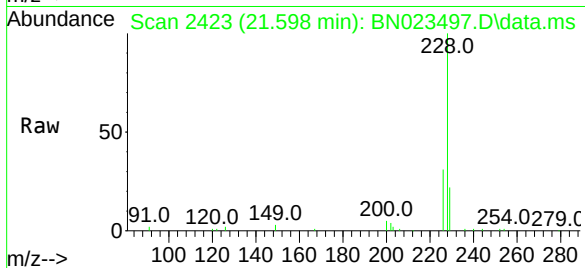
Tgt Ion:228 Resp: 59465
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.8 32.8
 229 20.4 16.0 24.0





#33
Chrysene
Concen: 1.108 ng
RT: 21.598 min Scan# 2424
Delta R.T. -0.009 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

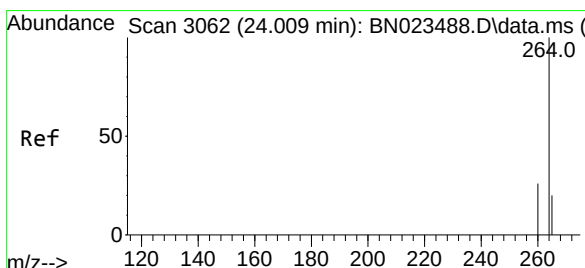
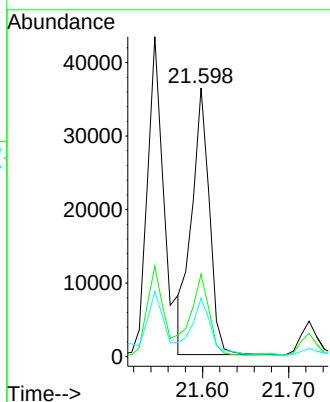
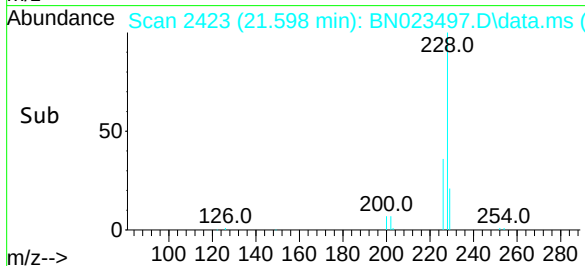
Instrument :
BNA_N
ClientSampleId :
TT-210-IDWSO-20221215



Tgt Ion:228 Resp: 52000
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 21.7 16.0 24.0

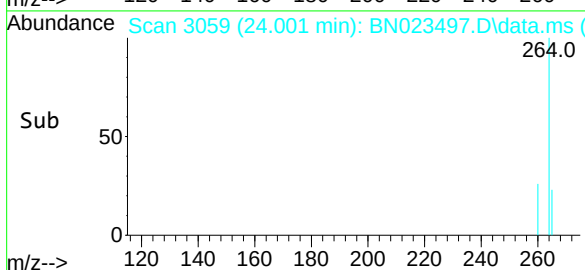
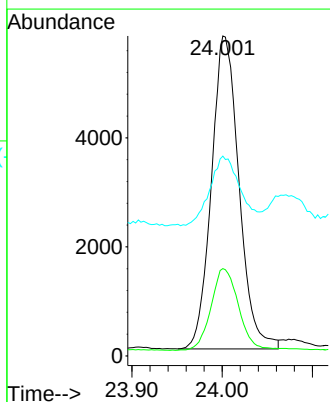
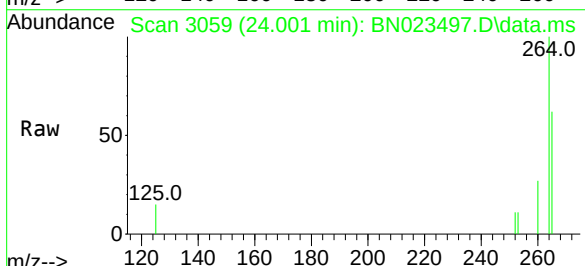
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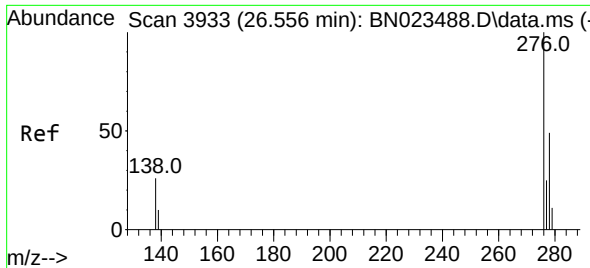
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.001 min Scan# 3059
Delta R.T. -0.009 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

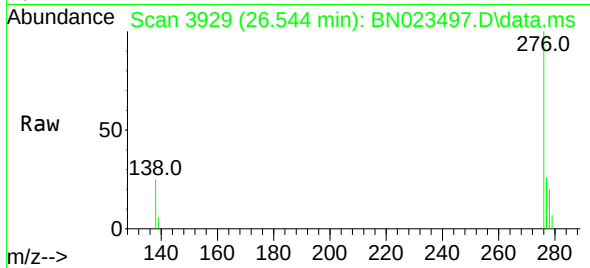
Tgt Ion:264 Resp: 12204
Ion Ratio Lower Upper
264 100
260 27.3 21.1 31.7
265 62.4 48.9 73.3





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.618 ng
RT: 26.544 min Scan# 3933
Delta R.T. -0.012 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

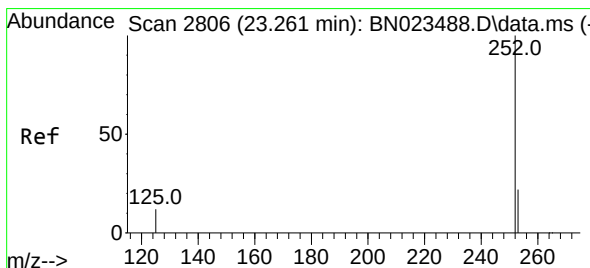
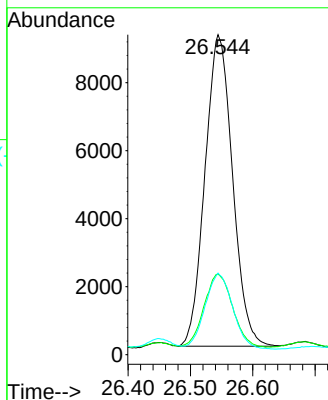
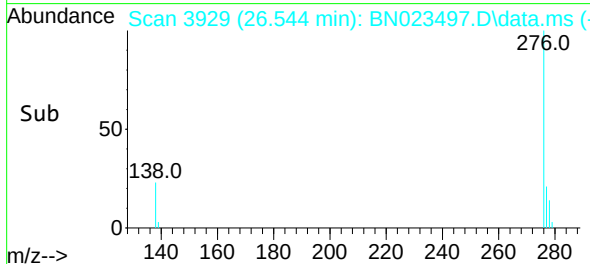
Instrument :
BNA_N
ClientSampleId :
TT-210-IDWSO-20221215



Tgt Ion:276 Resp: 28150
Ion Ratio Lower Upper
276 100
138 24.2 23.0 34.6
277 24.5 19.5 29.3

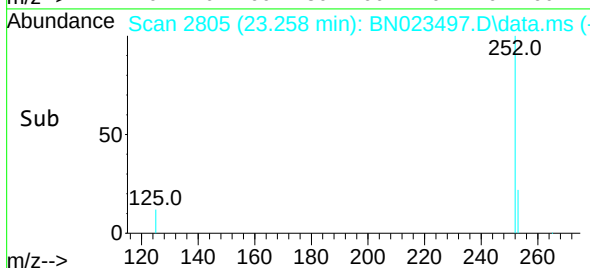
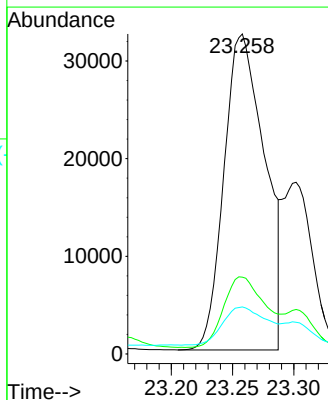
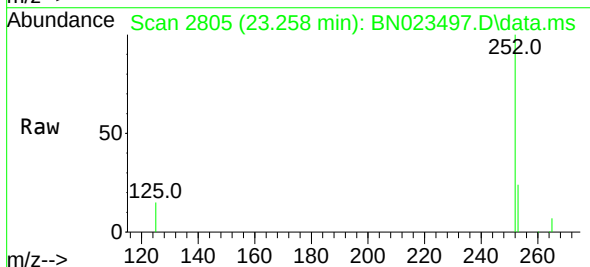
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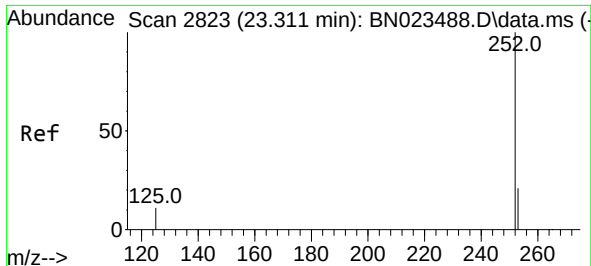
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#37
Benzo(b)fluoranthene
Concen: 1.597 ng
RT: 23.258 min Scan# 2805
Delta R.T. -0.003 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

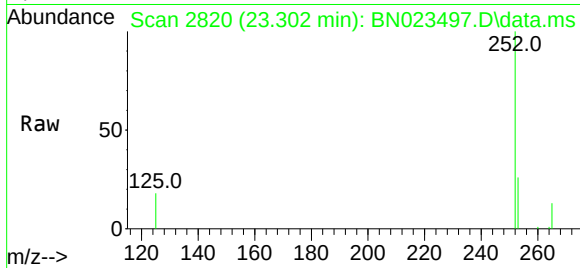
Tgt Ion:252 Resp: 74869
Ion Ratio Lower Upper
252 100
253 24.0 20.7 31.1
125 14.7 13.4 20.2





#38
Benzo(k)fluoranthene
Concen: 0.632 ng m
RT: 23.302 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

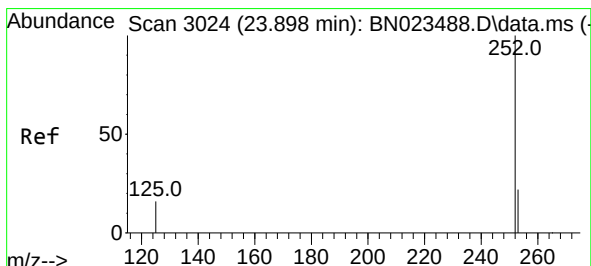
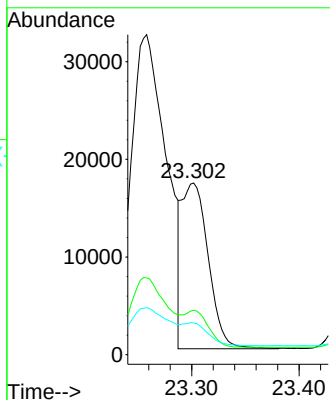
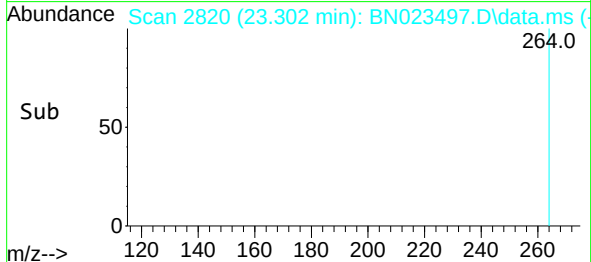
Instrument :
BNA_N
ClientSampleId :
TT-210-IDWSO-20221215



Tgt Ion:252 Resp: 2912
Ion Ratio Lower Upper
252 100
253 25.9 20.2 30.4
125 18.5 13.0 19.6

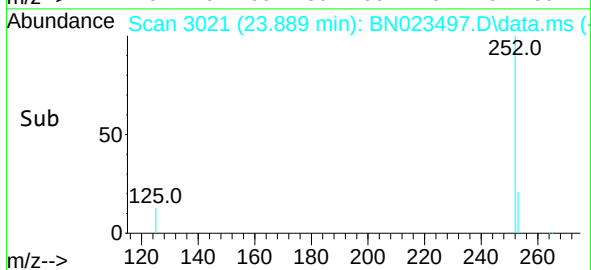
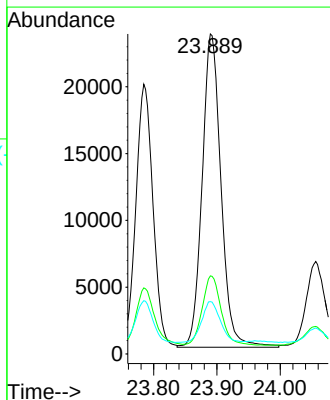
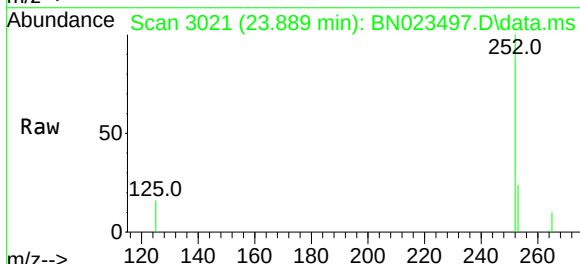
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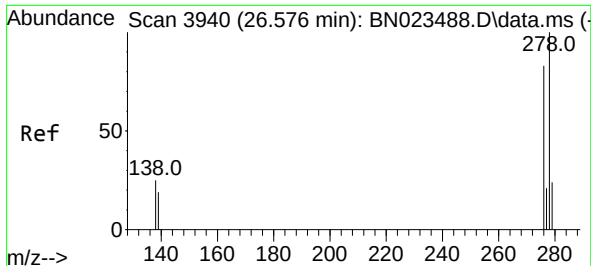
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#39
Benzo(a)pyrene
Concen: 1.357 ng m
RT: 23.889 min Scan# 3021
Delta R.T. -0.009 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

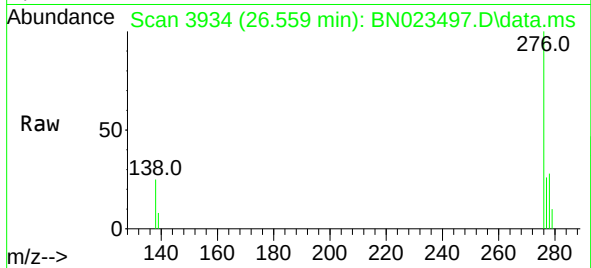
Tgt Ion:252 Resp: 48564
Ion Ratio Lower Upper
252 100
253 24.4 22.3 33.5
125 16.4 18.7 28.1#





#40
Dibenzo(a,h)anthracene
Concen: 0.210 ng
RT: 26.559 min Scan# 3940
Delta R.T. -0.018 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41

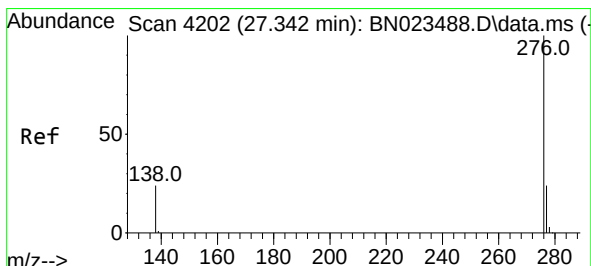
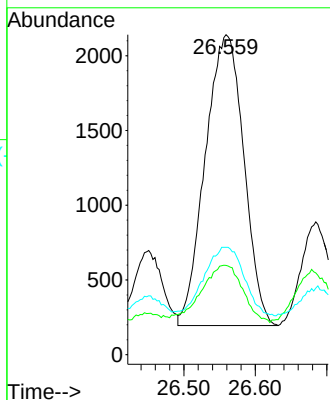
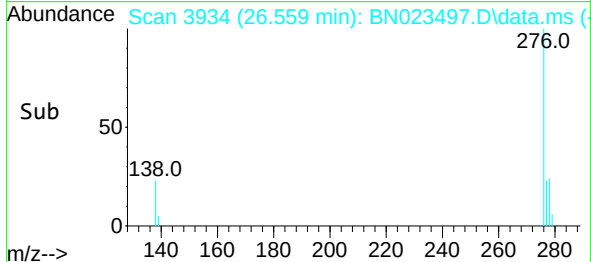
Instrument :
BNA_N
ClientSampleId :
TT-210-IDWSO-20221215



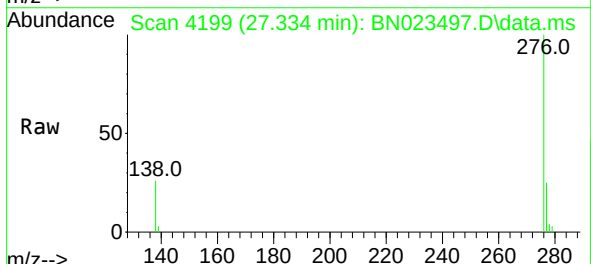
Tgt Ion:278 Resp: 730
Ion Ratio Lower Upper
278 100
139 27.9 17.7 26.5
279 33.6 22.2 33.2

Manual Integrations
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Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#41
Benzo(g,h,i)perylene
Concen: 0.713 ng
RT: 27.334 min Scan# 4199
Delta R.T. -0.009 min
Lab File: BN023497.D
Acq: 27 Dec 2022 20:41



Tgt Ion:276 Resp: 28617
Ion Ratio Lower Upper
276 100
277 24.7 20.0 30.0
138 26.1 20.6 31.0

