

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120122\
 Data File : BN023021.D
 Acq On : 01 Dec 2022 16:42
 Operator : CG/JU
 Sample : N5756-15
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW9-MW01S-20221120

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/02/2022
 Supervised By : Jagrut Upadhyay 12/02/2022

Quant Time: Dec 02 01:45:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 01:41:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.056	152	5622	0.400	ng	0.00
7) Naphthalene-d8	10.872	136	14666	0.400	ng	#-0.01
13) Acenaphthene-d10	14.698	164	6580	0.400	ng	0.00
19) Phenanthrene-d10	17.439	188	12809	0.400	ng	0.00
29) Chrysene-d12	21.629	240	8693	0.400	ng	0.00
35) Perylene-d12	24.110	264	6648	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.594	112	1277	0.087	ng	0.00
5) Phenol-d6	7.204	99	940	0.051	ng	0.00
8) Nitrobenzene-d5	9.217	82	3306m	0.290	ng	-0.01
11) 2-Methylnaphthalene-d10	12.461	152	4507	0.142	ng	0.00
14) 2,4,6-Tribromophenol	16.185	330	718	0.226	ng	0.00
15) 2-Fluorobiphenyl	13.330	172	8789	0.292	ng	0.00
27) Fluoranthene-d10	19.469	212	8717	0.251	ng	0.00
31) Terphenyl-d14	20.062	244	7351	0.360	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.441	88	2540	0.356	ng	# 96
25) Phenanthrene	17.476	178	1301m	0.029	ng	
26) Anthracene	17.576	178	863	0.022	ng	# 95
28) Fluoranthene	19.498	202	1294	0.027	ng	# 91
30) Pyrene	19.861	202	1317	0.029	ng	98
32) Benzo(a)anthracene	21.611	228	1461	0.042	ng	93
33) Chrysene	21.665	228	1765	0.048	ng	96
34) Bis(2-ethylhexyl)phtha...	21.531	149	926	0.066	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.709	276	1498	0.054	ng	# 81
37) Benzo(b)fluoranthene	23.347	252	1671	0.056	ng	# 45
38) Benzo(k)fluoranthene	23.397	252	1445	0.045	ng	# 41
39) Benzo(a)pyrene	23.993	252	942	0.042	ng	# 5
40) Dibenzo(a,h)anthracene	26.727	278	1207	0.055	ng	# 59
41) Benzo(g,h,i)perylene	27.507	276	1422	0.060	ng	# 73

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

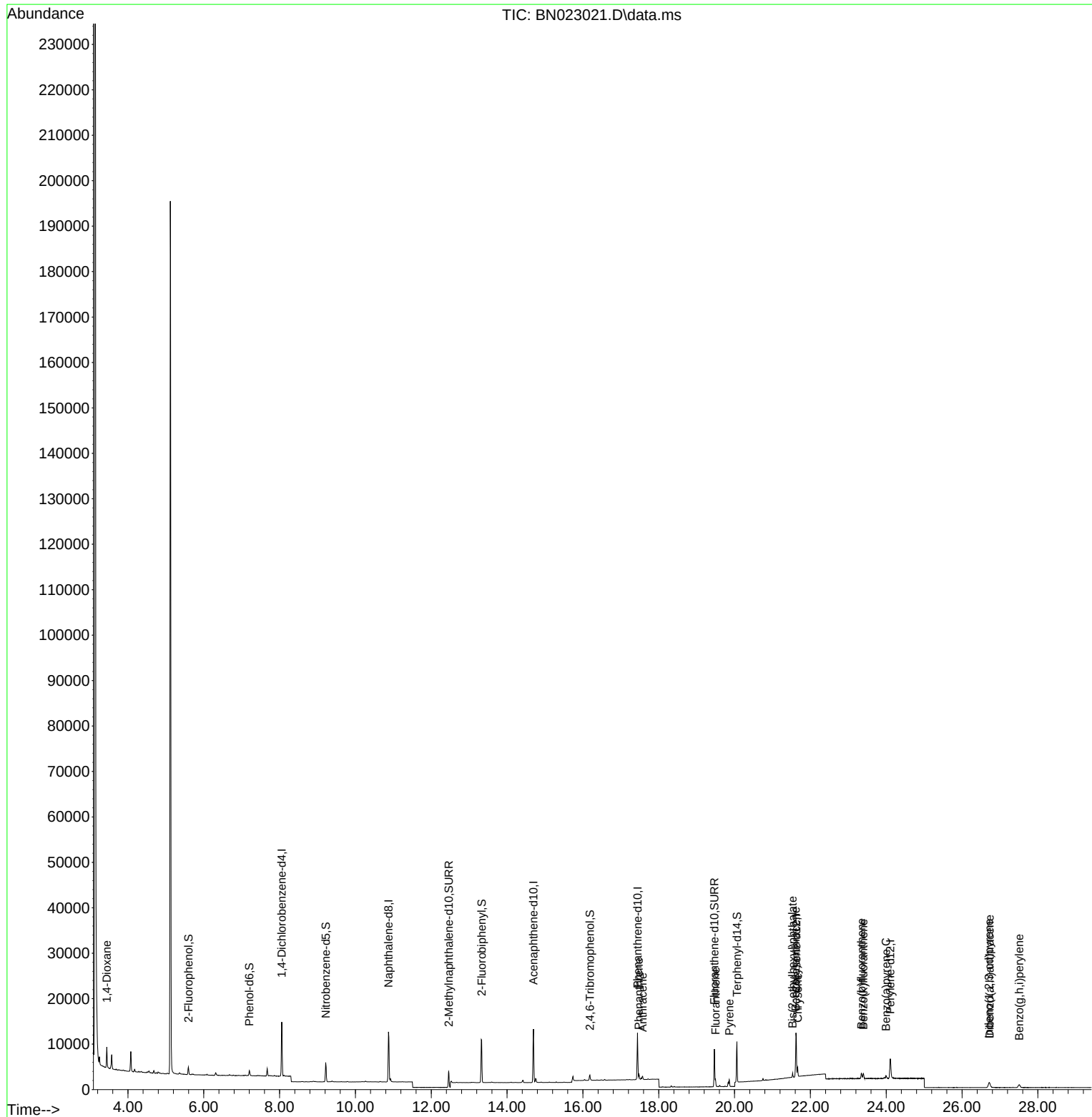
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120122\
Data File : BN023021.D
Acq On : 01 Dec 2022 16:42
Operator : CG/JU
Sample : N5756-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

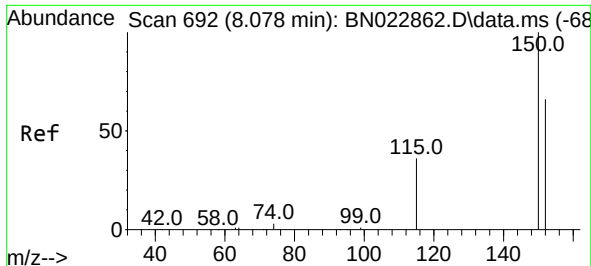
Instrument :
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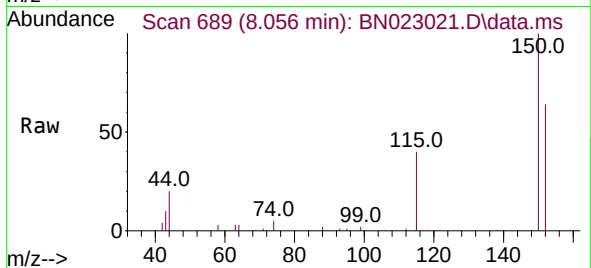
Quant Time: Dec 02 01:45:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 02 01:41:37 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.056 min Scan# 68
Delta R.T. -0.008 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

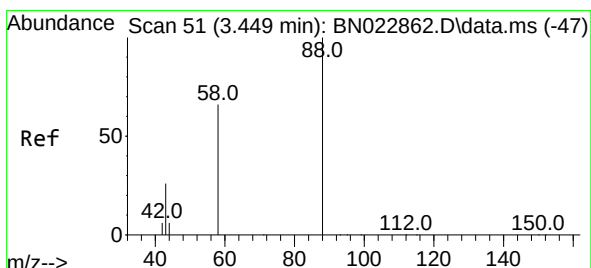
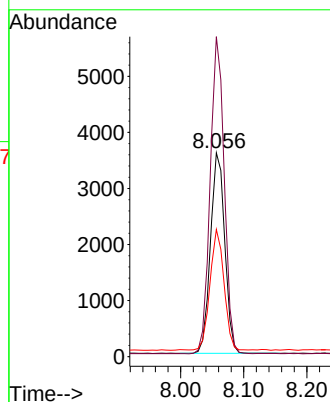
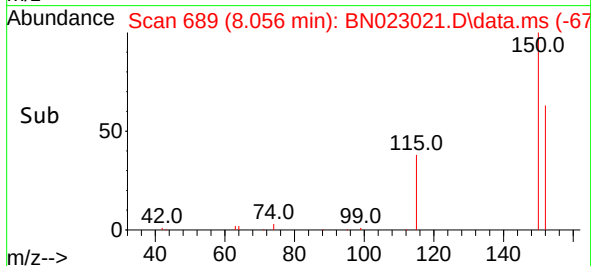
Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20221120



Tgt Ion:152 Resp: 562
Ion Ratio Lower Upper
152 100
150 157.1 121.2 181.8
115 62.4 46.2 69.4

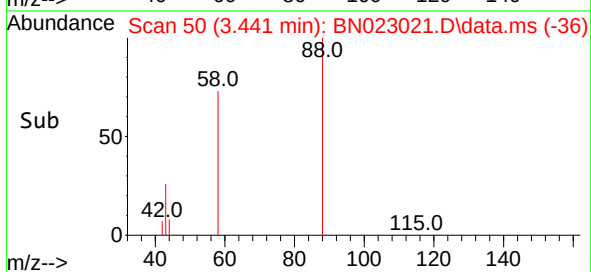
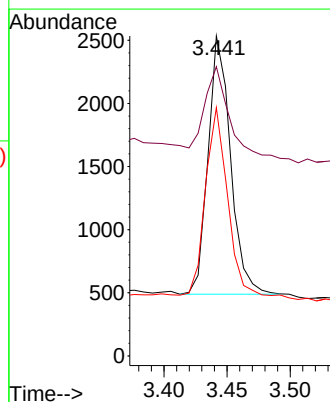
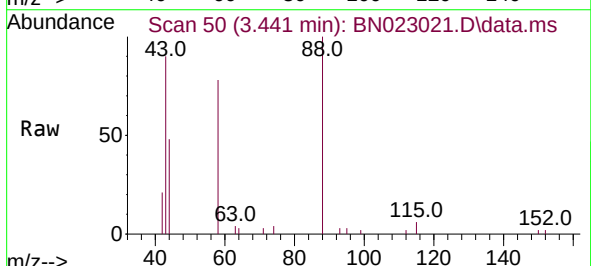
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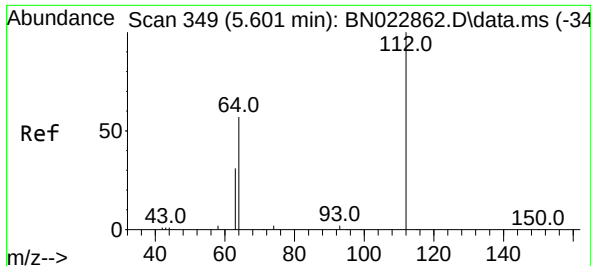
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Supervised By :Jagrut Upadhyay 12/02/2022



#2
1,4-Dioxane
Concen: 0.356 ng
RT: 3.441 min Scan# 50
Delta R.T. -0.000 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

Tgt Ion: 88 Resp: 2540
Ion Ratio Lower Upper
88 100
43 38.7 25.4 38.2
58 70.6 56.5 84.7





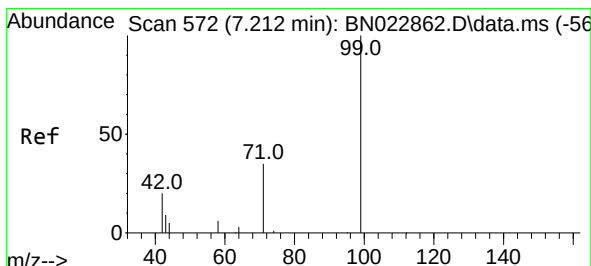
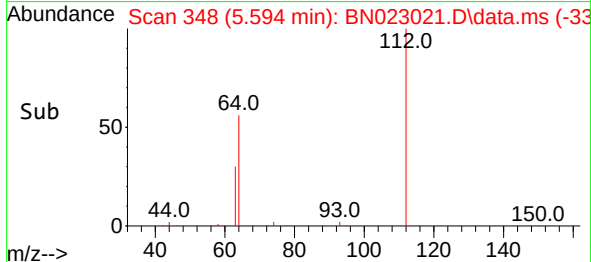
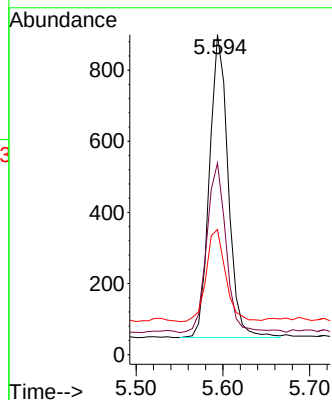
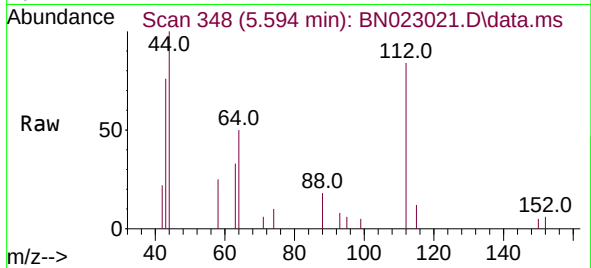
#4
2-Fluorophenol
Concen: 0.087 ng
RT: 5.594 min Scan# 34
Delta R.T. -0.007 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:112 Resp: 127
Ion Ratio Lower Upper
112 100
64 57.8 43.4 65.2
63 31.6 23.4 35.2

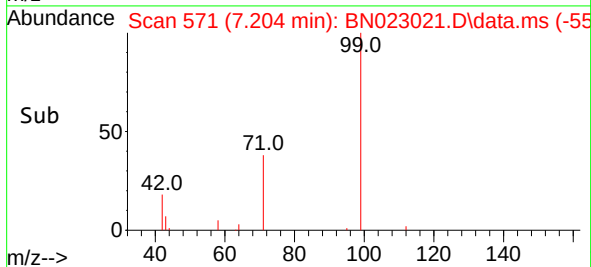
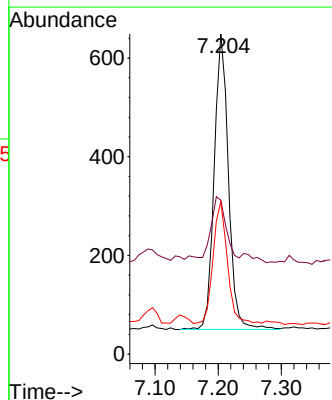
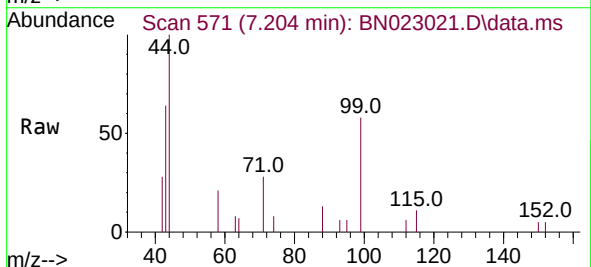
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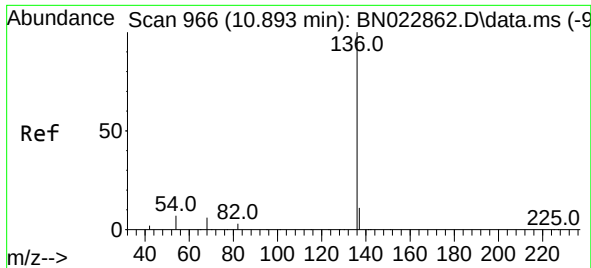
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Supervised By :Jagrut Upadhyay 12/02/2022



#5
Phenol-d6
Concen: 0.051 ng
RT: 7.204 min Scan# 571
Delta R.T. -0.000 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

Tgt Ion: 99 Resp: 940
Ion Ratio Lower Upper
99 100
42 22.4 16.0 24.0
71 41.7 26.8 40.2#





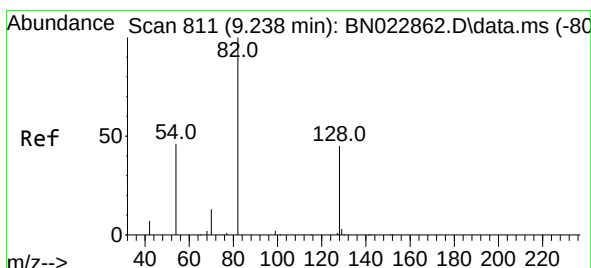
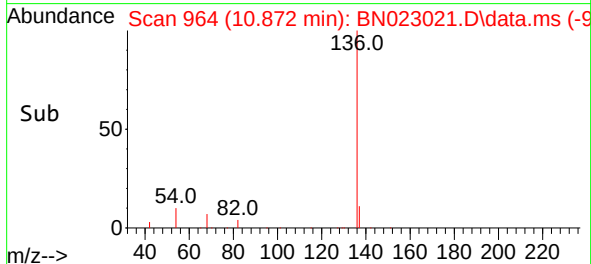
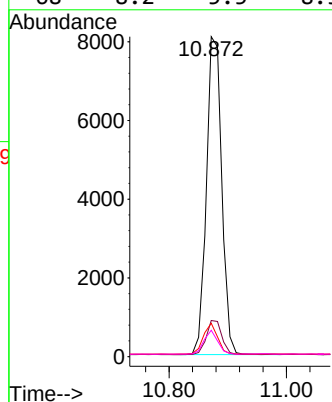
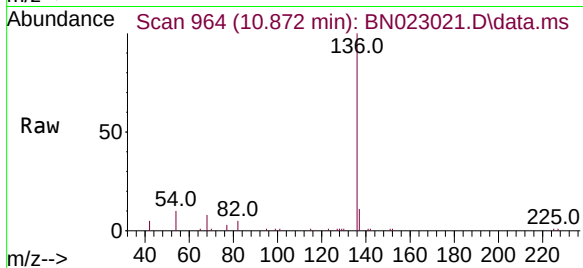
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.872 min Scan# 90
Delta R.T. -0.011 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20221120

Tgt Ion:136 Resp: 1466
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 10.4 6.6 9.8
68 8.2 5.5 8.3

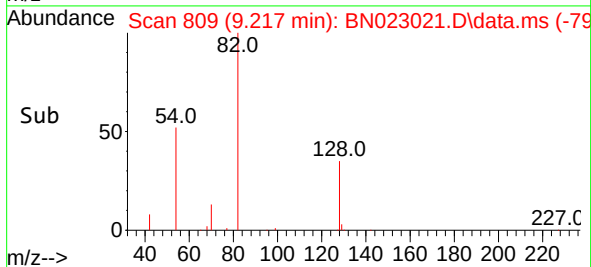
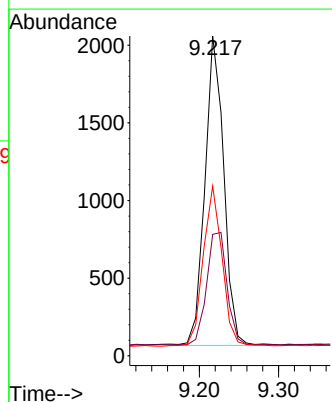
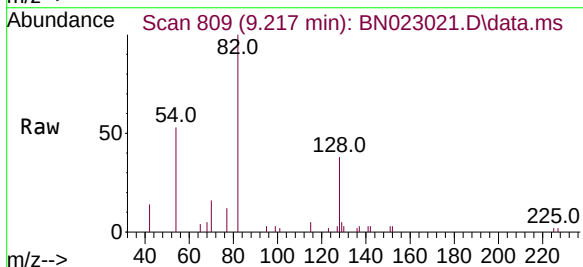
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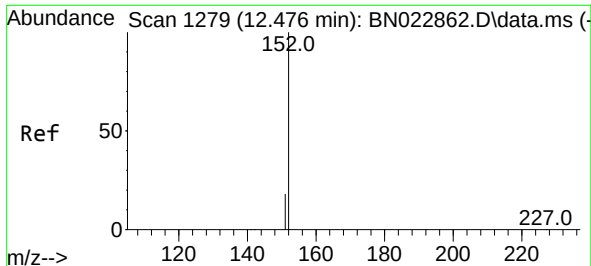
Reviewed By :Christian Giraldo 12/02/2022
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#8
Nitrobenzene-d5
Concen: 0.290 ng m
RT: 9.217 min Scan# 809
Delta R.T. -0.011 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

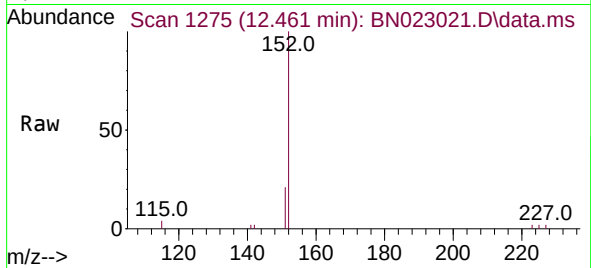
Tgt Ion: 82 Resp: 3306
Ion Ratio Lower Upper
82 100
128 38.0 36.6 54.8
54 53.1 38.5 57.7





#11
2-Methylnaphthalene-d10
Concen: 0.142 ng
RT: 12.461 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

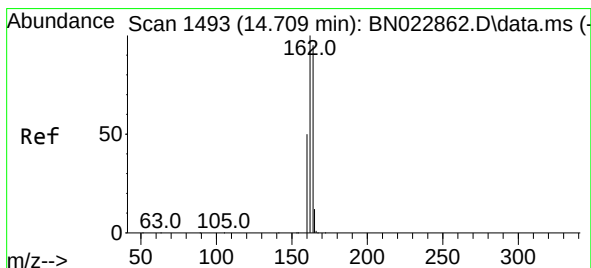
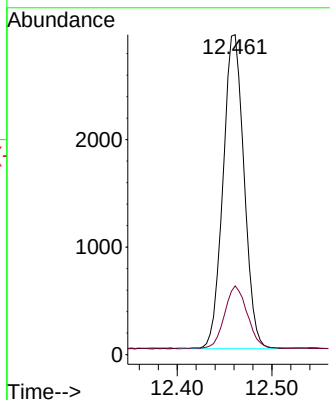
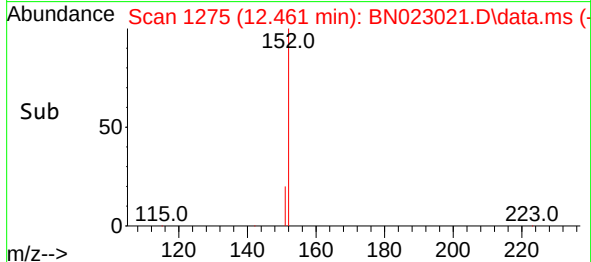
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:152 Resp: 450
Ion Ratio Lower Upper
152 100
151 26.9 18.6 27.8

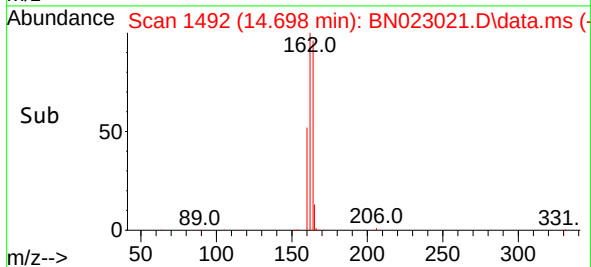
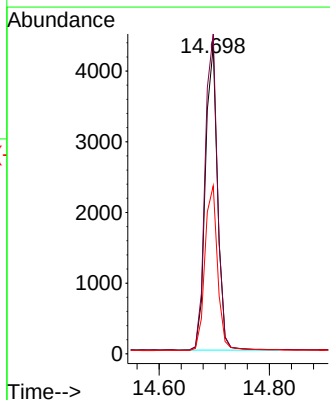
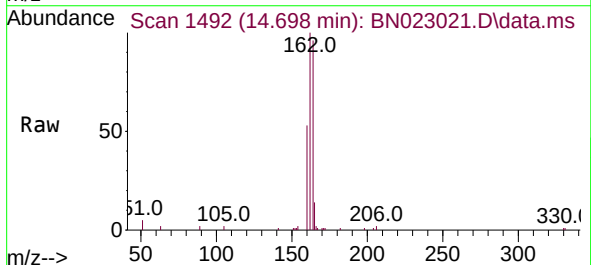
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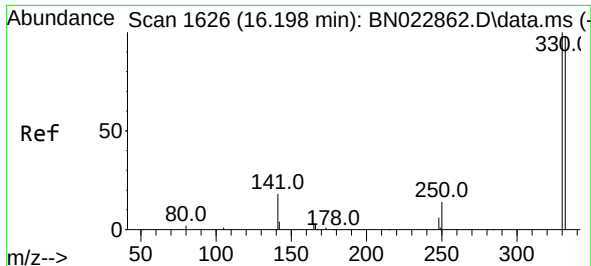
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.698 min Scan# 1492
Delta R.T. -0.000 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

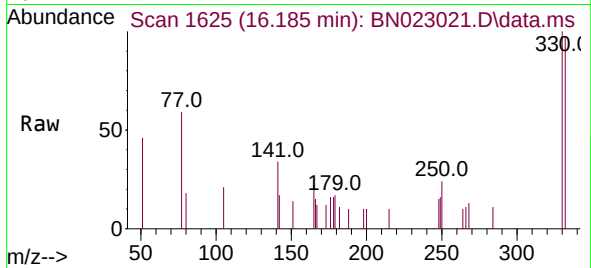
Tgt Ion:164 Resp: 6580
Ion Ratio Lower Upper
164 100
162 104.2 84.2 126.4
160 54.7 42.5 63.7





#14
2,4,6-Tribromophenol
Concen: 0.226 ng
RT: 16.185 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

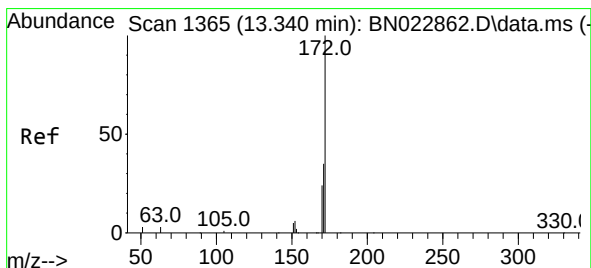
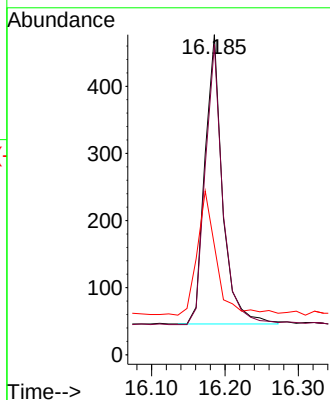
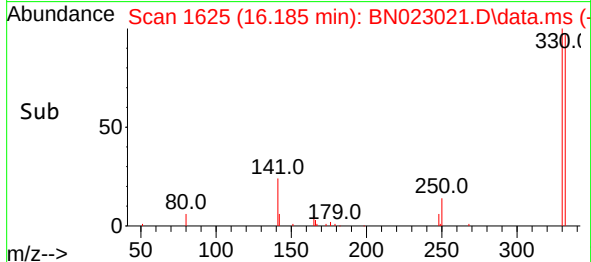
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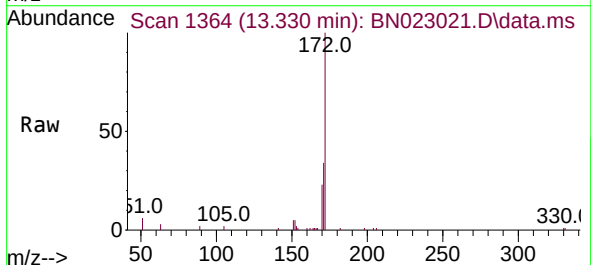
Tgt Ion: 330 Resp: 718
Ion Ratio Lower Upper
330 100
332 97.1 76.5 114.7
141 45.7 32.6 48.8

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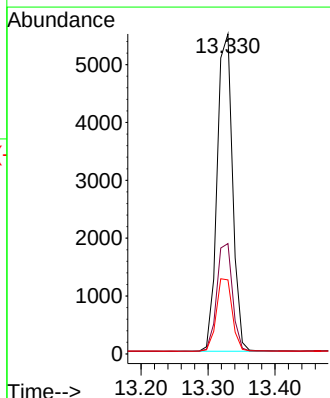
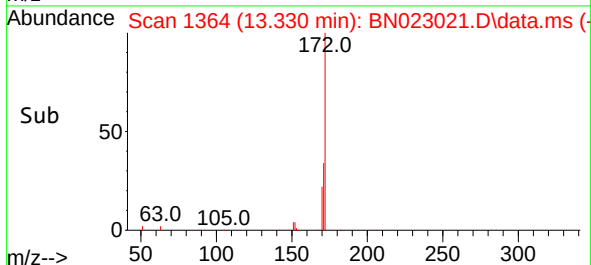
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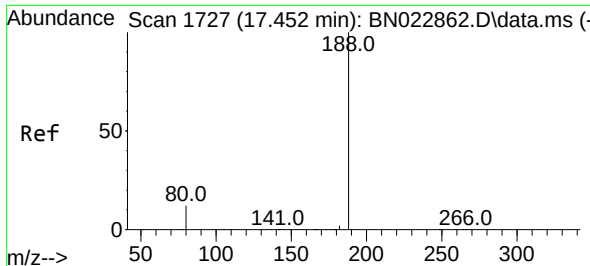


#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 13.330 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42



Tgt Ion: 172 Resp: 8789
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.4
170 23.1 19.3 28.9





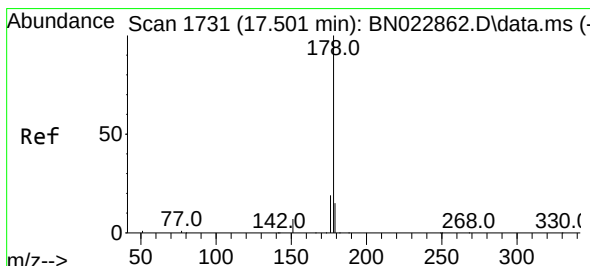
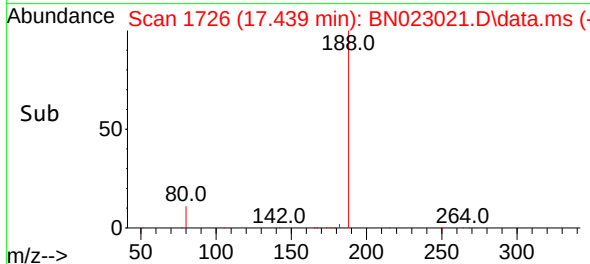
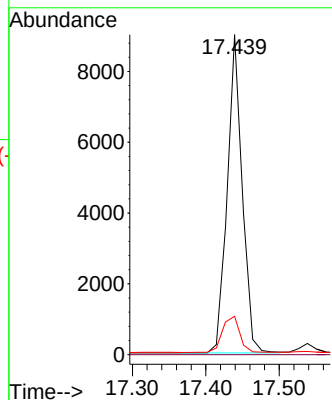
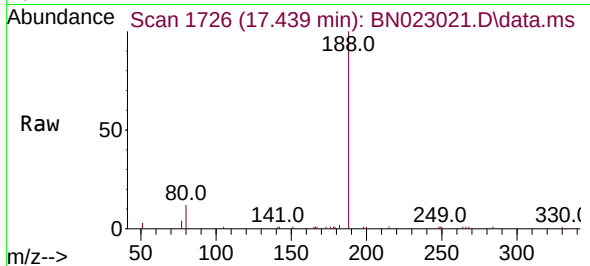
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Phenanthrene-d10
Concen: 0.400 ng
RT: 17.439 min Scan# 1726
Delta R.T. -0.000 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

Instrument :
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RW9-MW01S-20221120

Tgt Ion:188 Resp: 12809
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.0 10.3 15.5

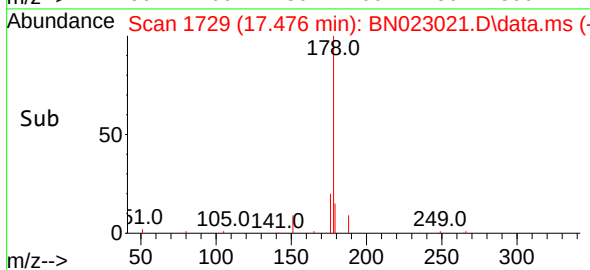
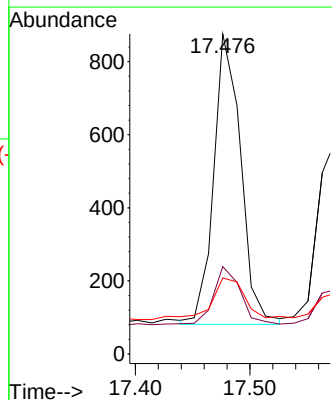
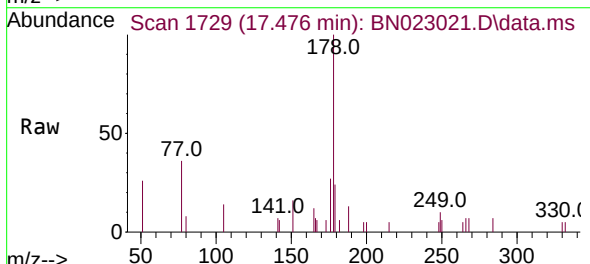
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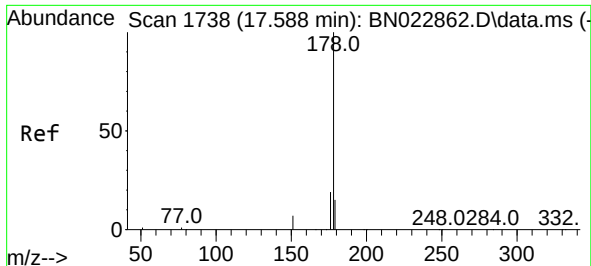
Reviewed By :Christian Giraldo 12/02/2022
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#25
Phenanthrene
Concen: 0.029 ng m
RT: 17.476 min Scan# 1729
Delta R.T. -0.012 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

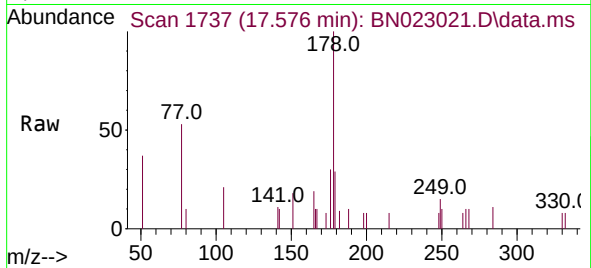
Tgt Ion:178 Resp: 1301
Ion Ratio Lower Upper
178 100
176 15.1 15.6 23.4#
179 10.1 12.2 18.2#





#26
 Anthracene
 Concen: 0.022 ng
 RT: 17.576 min Scan# 1118
 Delta R.T. -0.000 min
 Lab File: BN023021.D
 Acq: 01 Dec 2022 16:42

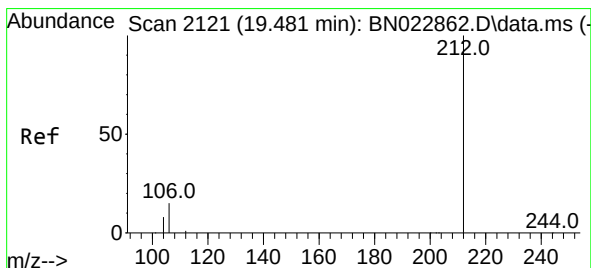
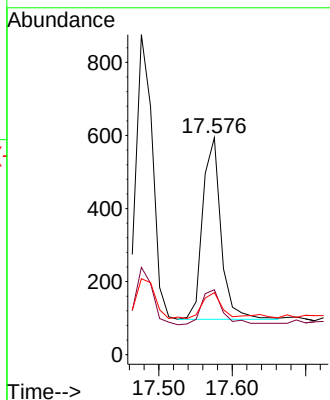
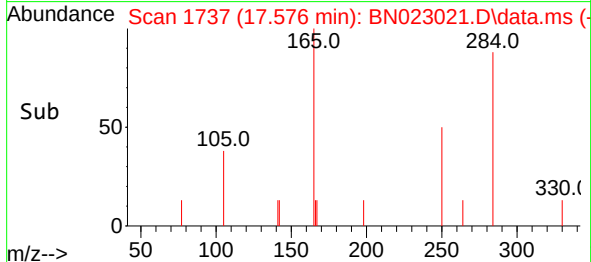
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Tgt Ion:178 Resp: 863
 Ion Ratio Lower Upper
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 176 22.8 15.2 22.8
 179 14.9 12.2 18.2

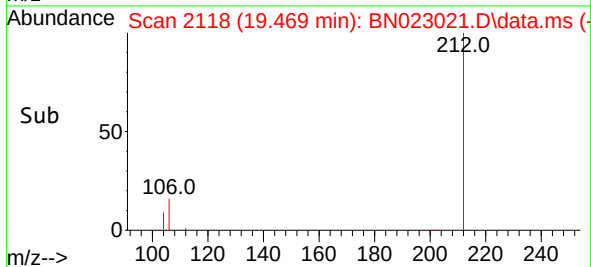
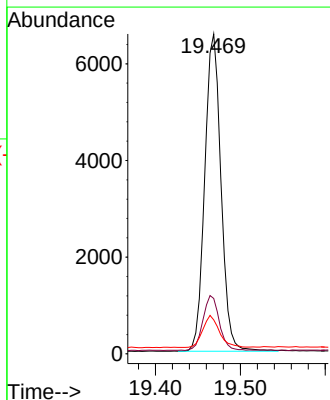
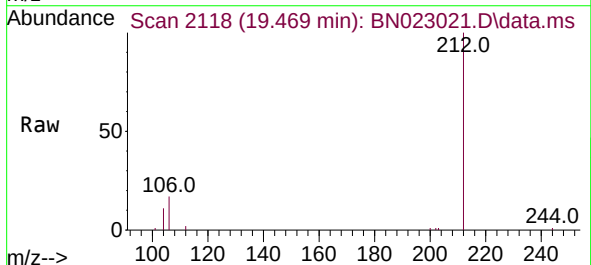
Manual Integrations
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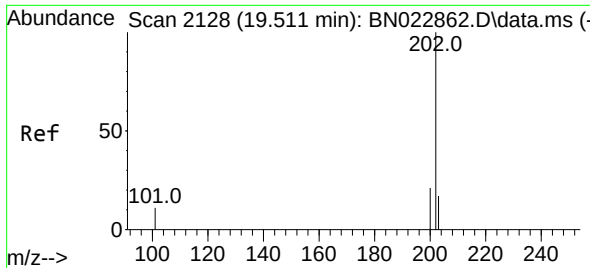
Reviewed By :Christian Giraldo 12/02/2022
 Supervised By :Jagrut Upadhyay 12/02/2022



#27
 Fluoranthene-d10
 Concen: 0.251 ng
 RT: 19.469 min Scan# 2118
 Delta R.T. -0.004 min
 Lab File: BN023021.D
 Acq: 01 Dec 2022 16:42

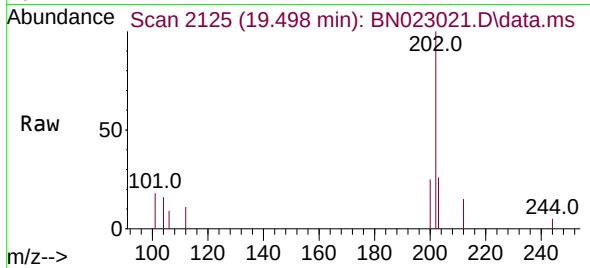
Tgt Ion:212 Resp: 8717
 Ion Ratio Lower Upper
 212 100
 106 17.2 12.3 18.5
 104 10.2 7.0 10.4





#28
Fluoranthene
Concen: 0.027 ng
RT: 19.498 min Scan# 2125
Delta R.T. -0.004 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

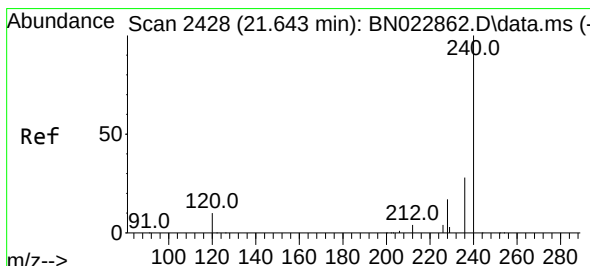
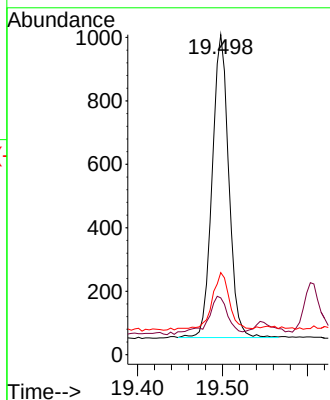
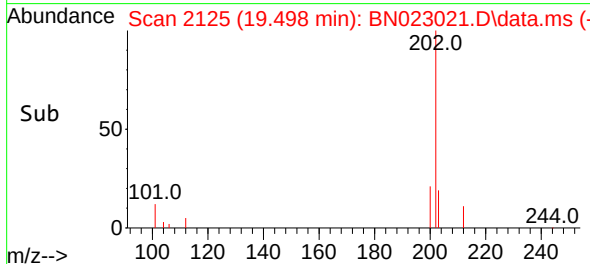
Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20221120



Tgt Ion:202 Resp: 1294
Ion Ratio Lower Upper
202 100
101 15.7 9.3 13.9
203 20.4 13.7 20.5

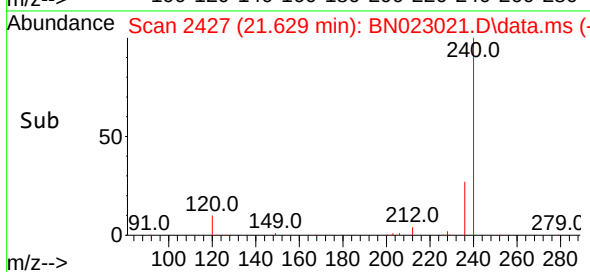
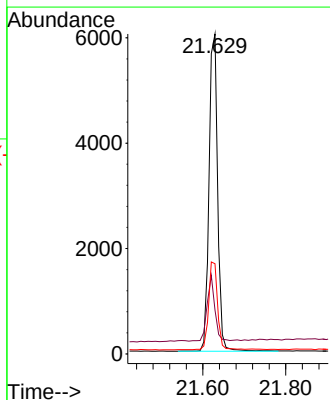
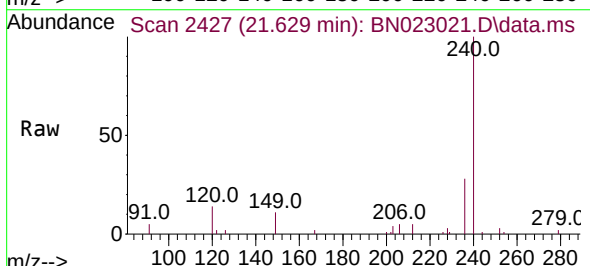
Manual Integrations
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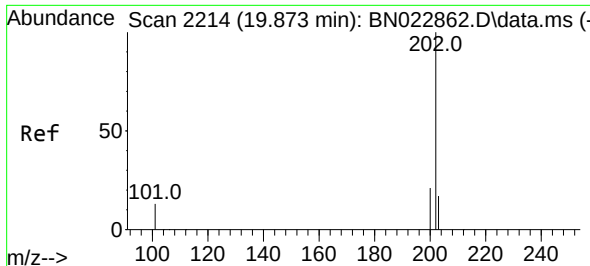
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.629 min Scan# 2427
Delta R.T. -0.000 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

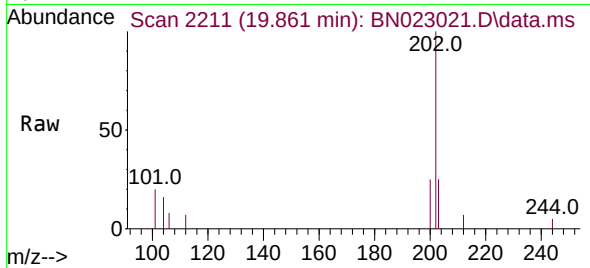
Tgt Ion:240 Resp: 8693
Ion Ratio Lower Upper
240 100
120 13.7 9.2 13.8
236 28.2 22.6 34.0





#30
Pyrene
Concen: 0.029 ng
RT: 19.861 min Scan# 211
Delta R.T. -0.004 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

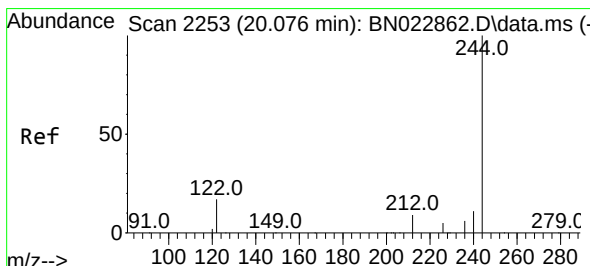
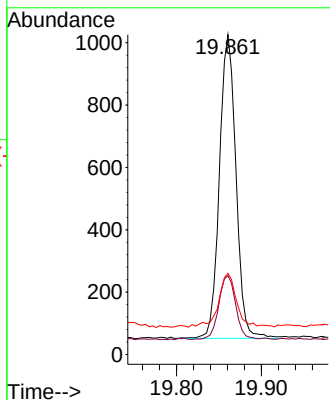
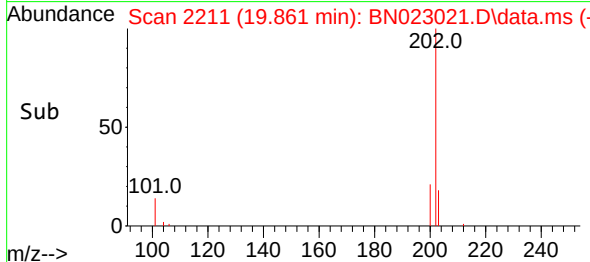
Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20221120



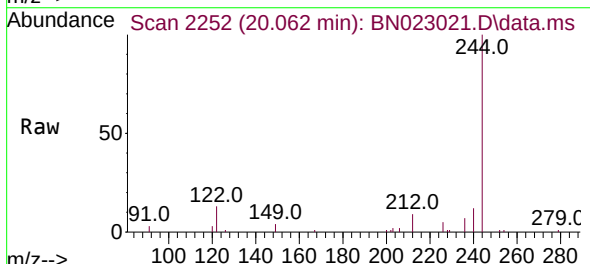
Tgt Ion:202 Resp: 1317
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 19.3 14.2 21.2

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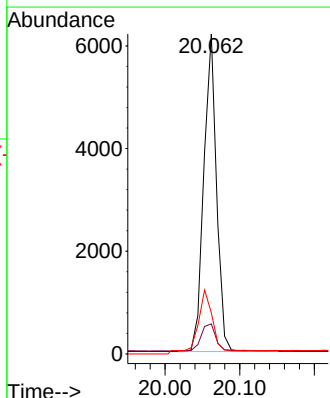
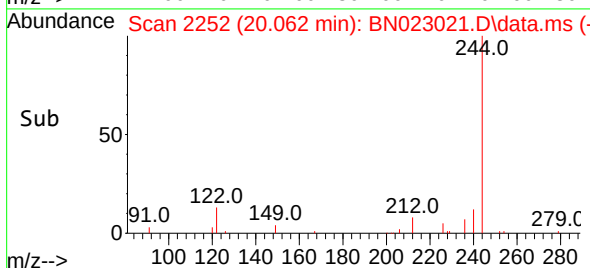
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

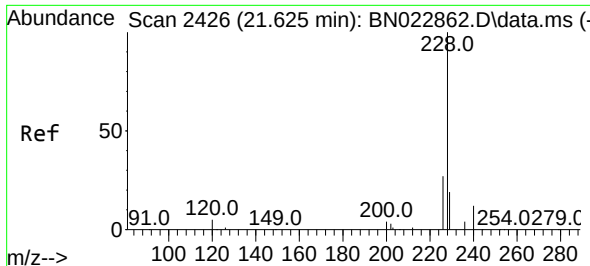


#31
Terphenyl-d14
Concen: 0.360 ng
RT: 20.062 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42



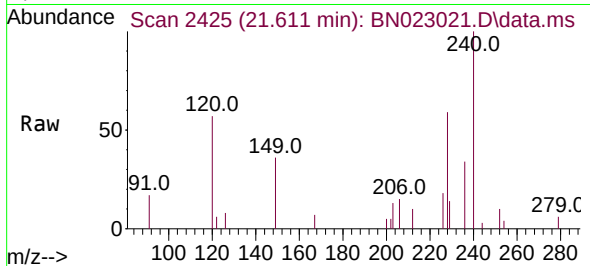
Tgt Ion:244 Resp: 7351
Ion Ratio Lower Upper
244 100
212 9.4 7.9 11.9
122 12.8 13.9 20.9#





#32
Benzo(a)anthracene
Concen: 0.042 ng
RT: 21.611 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

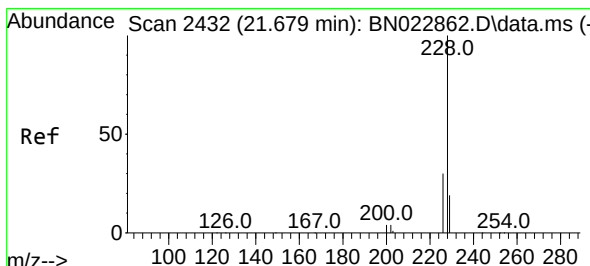
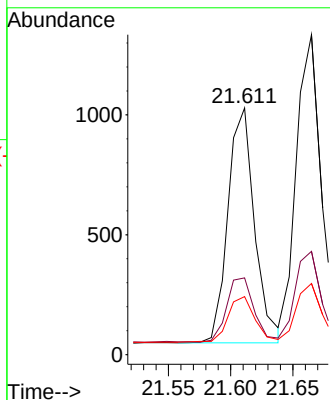
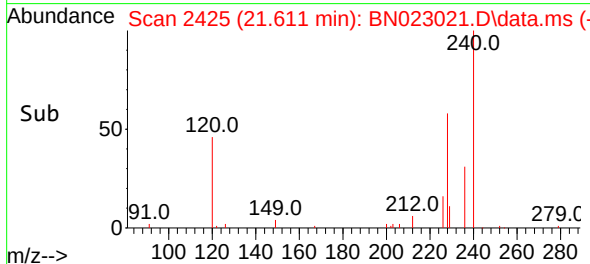
Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20221120



Tgt Ion:228 Resp: 146
Ion Ratio Lower Upper
228 100
226 31.1 22.1 33.1
229 23.5 15.8 23.6

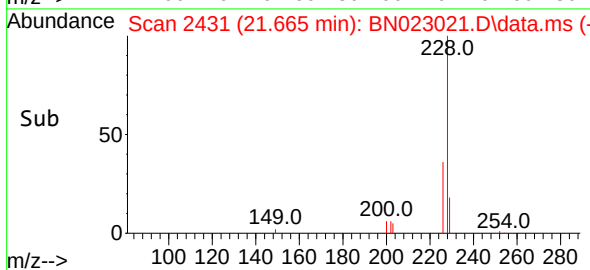
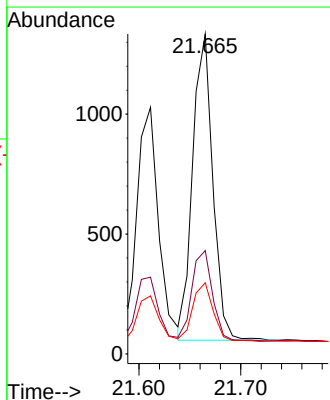
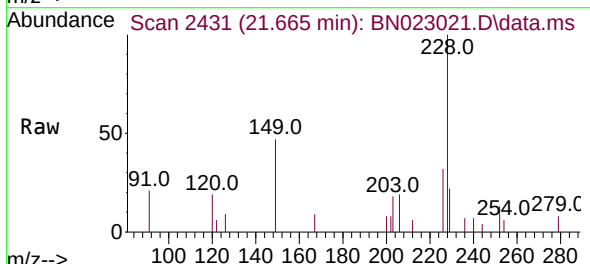
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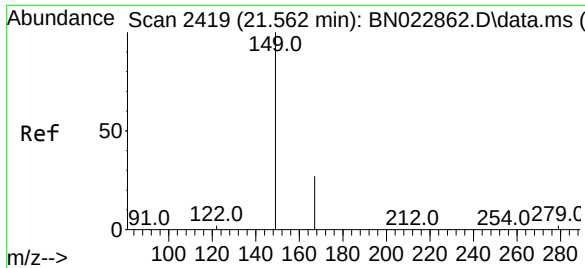
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#33
Chrysene
Concen: 0.048 ng
RT: 21.665 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

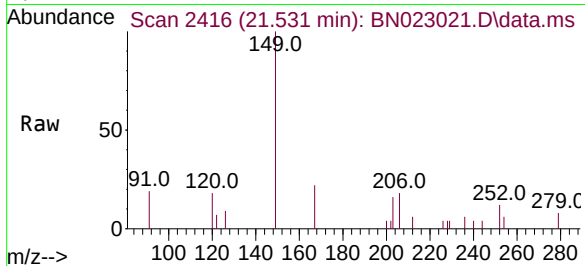
Tgt Ion:228 Resp: 1765
Ion Ratio Lower Upper
228 100
226 32.3 24.5 36.7
229 22.2 15.8 23.6





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.066 ng
 RT: 21.531 min Scan# 2416
 Delta R.T. -0.009 min
 Lab File: BN023021.D
 Acq: 01 Dec 2022 16:42

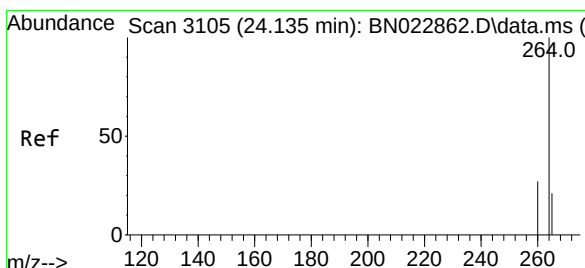
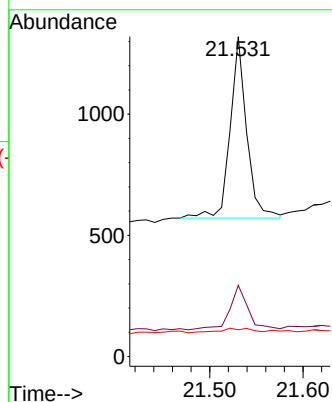
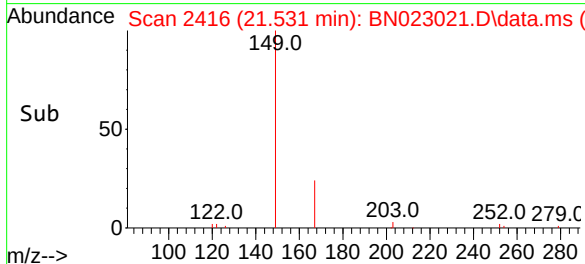
Instrument :
 BNA_N
 ClientSampleId :
 RW9-MW01S-20221120



Tgt Ion:149 Resp: 926
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.3 31.9
 279 4.8 2.3 3.5

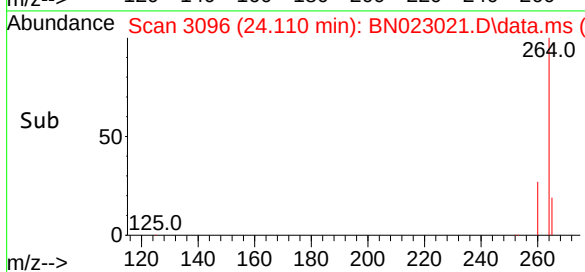
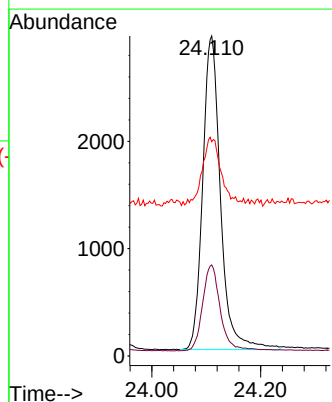
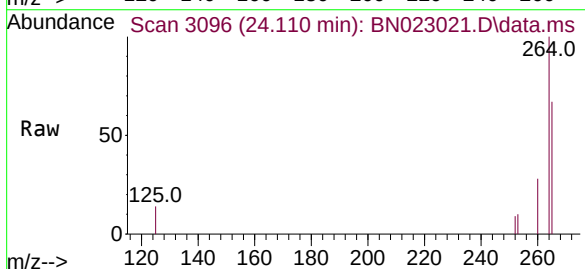
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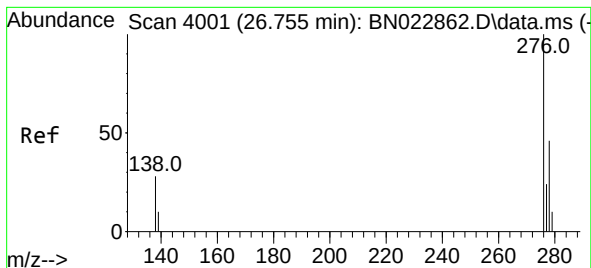
Reviewed By :Christian Giraldo 12/02/2022
 Supervised By :Jagrut Upadhyay 12/02/2022



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.110 min Scan# 3096
 Delta R.T. -0.003 min
 Lab File: BN023021.D
 Acq: 01 Dec 2022 16:42

Tgt Ion:264 Resp: 6648
 Ion Ratio Lower Upper
 264 100
 260 28.4 21.7 32.5
 265 66.9 31.0 46.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.054 ng

RT: 26.709 min Scan# 3985

Delta R.T. -0.009 min

Lab File: BN023021.D

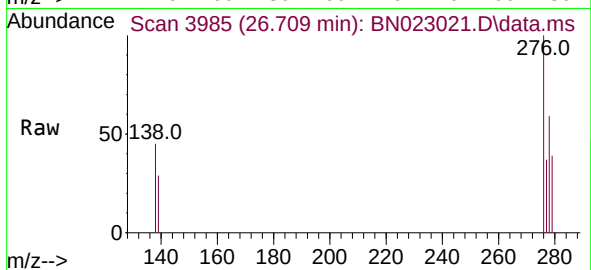
Acq: 01 Dec 2022 16:42

Instrument :

BNA_N

ClientSampleId :

RW9-MW01S-20221120



Tgt Ion:276 Resp: 1498

Ion Ratio Lower Upper

276 100

138 12.8 24.4 36.6

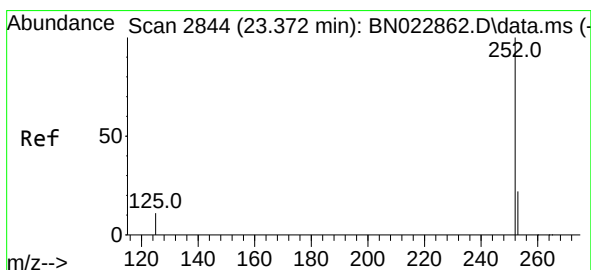
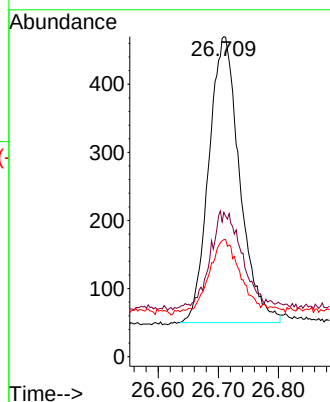
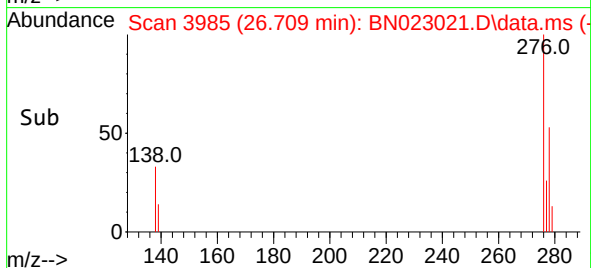
277 25.7 19.9 29.9

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Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#37

Benzo(b)fluoranthene

Concen: 0.056 ng

RT: 23.347 min Scan# 2835

Delta R.T. -0.003 min

Lab File: BN023021.D

Acq: 01 Dec 2022 16:42

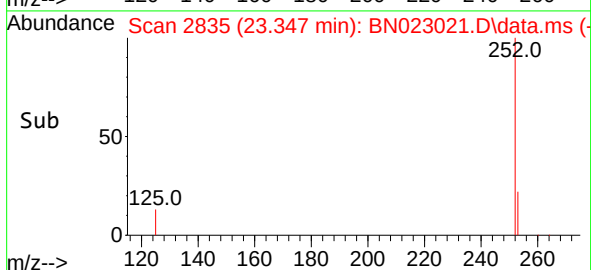
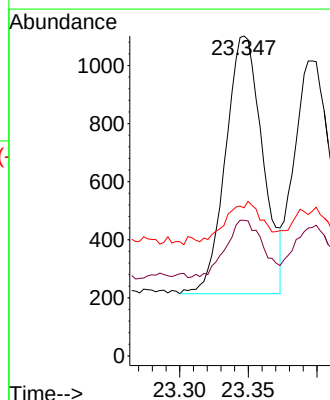
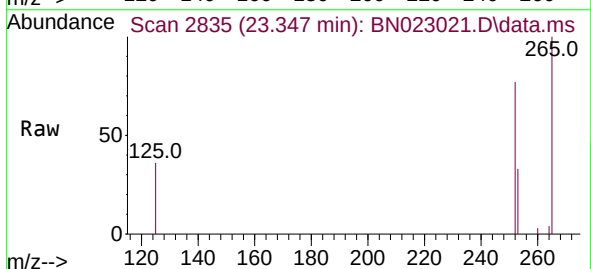
Tgt Ion:252 Resp: 1671

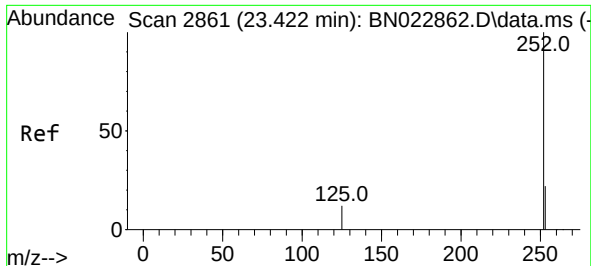
Ion Ratio Lower Upper

252 100

253 42.4 18.5 27.7#

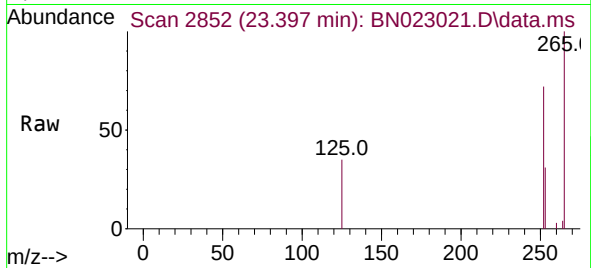
125 46.3 10.8 16.2#





#38
Benzo(k)fluoranthene
Concen: 0.045 ng
RT: 23.397 min Scan# 2852
Delta R.T. -0.003 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

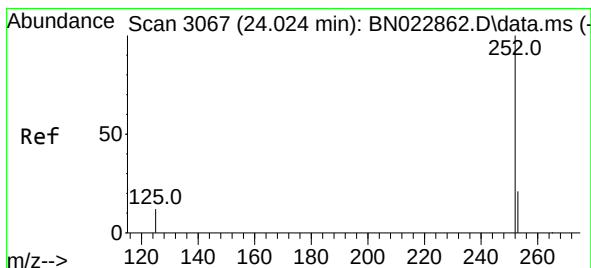
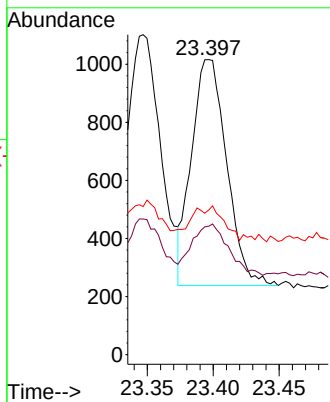
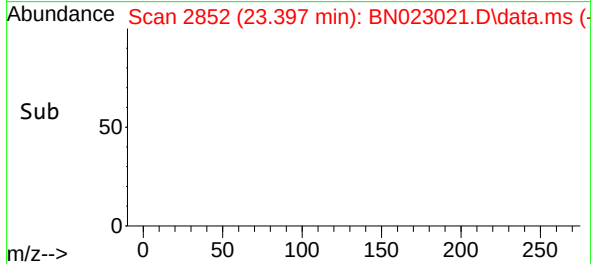
Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20221120



Tgt Ion:252 Resp: 1445
Ion Ratio Lower Upper
252 100
253 43.5 18.6 27.8#
125 49.0 11.0 16.4#

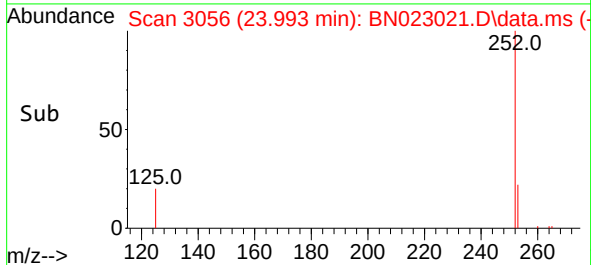
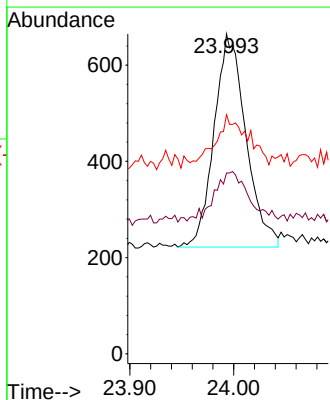
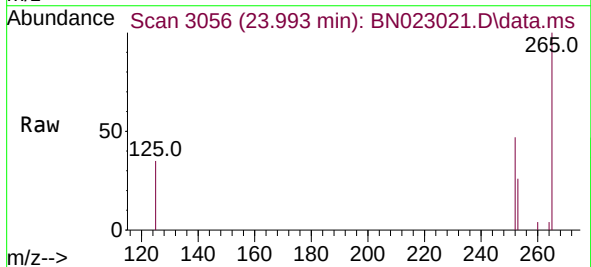
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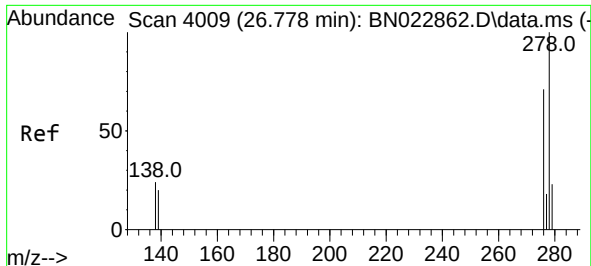
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#39
Benzo(a)pyrene
Concen: 0.042 ng
RT: 23.993 min Scan# 3056
Delta R.T. -0.009 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

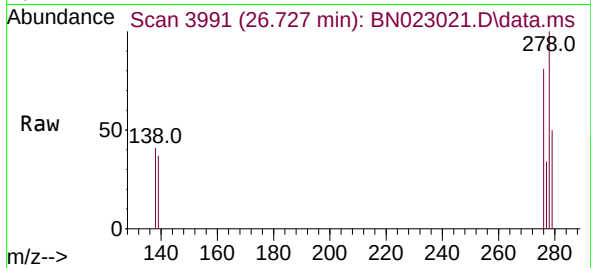
Tgt Ion:252 Resp: 942
Ion Ratio Lower Upper
252 100
253 56.5 19.2 28.8#
125 74.7 12.7 19.1#





#40
Dibenzo(a,h)anthracene
Concen: 0.055 ng
RT: 26.727 min Scan# 3991
Delta R.T. -0.012 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

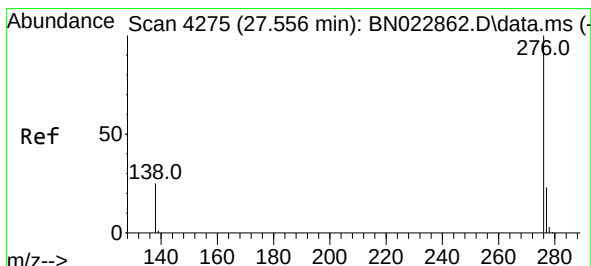
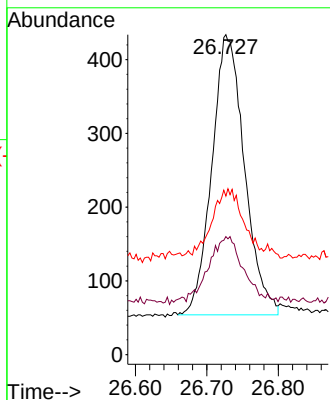
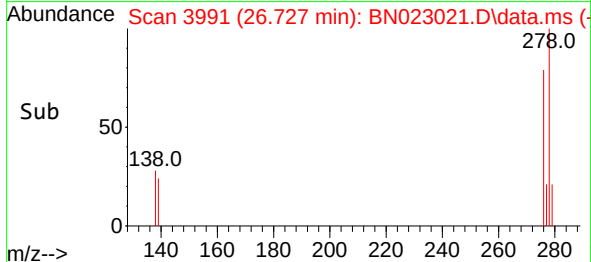
Instrument :
BNA_N
ClientSampleId :
RW9-MW01S-20221120



Tgt Ion:278 Resp: 1207
Ion Ratio Lower Upper
278 100
139 36.9 17.4 26.0#
279 49.5 20.0 30.0#

Manual Integrations
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Supervised By :Jagrut Upadhyay 12/02/2022



#41
Benzo(g,h,i)perylene
Concen: 0.060 ng
RT: 27.507 min Scan# 4258
Delta R.T. -0.006 min
Lab File: BN023021.D
Acq: 01 Dec 2022 16:42

Tgt Ion:276 Resp: 1422
Ion Ratio Lower Upper
276 100
277 35.9 19.7 29.5#
138 42.5 21.4 32.2#

