

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120122\
 Data File : BN023022.D
 Acq On : 01 Dec 2022 17:20
 Operator : CG/JU
 Sample : N5756-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW9-MW01D1-20221120

Manual Integrations
 APPROVED

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

Quant Time: Dec 02 01:46:04 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	5411	0.400	ng	0.00
7) Naphthalene-d8	10.872	136	14496	0.400	ng	#-0.01
13) Acenaphthene-d10	14.698	164	6962	0.400	ng	0.00
19) Phenanthrene-d10	17.439	188	13029	0.400	ng	0.00
29) Chrysene-d12	21.625	240	7317	0.400	ng	# 0.00
35) Perylene-d12	24.109	264	5178	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.594	112	1317	0.094	ng	0.00
5) Phenol-d6	7.204	99	1006	0.056	ng	0.00
8) Nitrobenzene-d5	9.217	82	3327m	0.295	ng	-0.01
11) 2-Methylnaphthalene-d10	12.461	152	5128	0.163	ng	0.00
14) 2,4,6-Tribromophenol	16.185	330	761	0.226	ng	0.00
15) 2-Fluorobiphenyl	13.330	172	9533	0.299	ng	0.00
27) Fluoranthene-d10	19.469	212	8880	0.251	ng	0.00
31) Terphenyl-d14	20.058	244	6904	0.402	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.442	88	2256	0.329	ng	# 93
25) Phenanthrene	17.476	178	1106	0.024	ng	97
28) Fluoranthene	19.498	202	1091	0.023	ng	# 94
30) Pyrene	19.861	202	1084	0.028	ng	# 93
32) Benzo(a)anthracene	21.607	228	1159	0.039	ng	91
33) Chrysene	21.661	228	1385	0.045	ng	92
34) Bis(2-ethylhexyl)phtha...	21.526	149	1018	0.086	ng	91
36) Indeno(1,2,3-cd)pyrene	26.708	276	1097	0.051	ng	# 83
37) Benzo(b)fluoranthene	23.349	252	1241	0.054	ng	# 32
38) Benzo(k)fluoranthene	23.395	252	1085	0.043	ng	# 22
39) Benzo(a)pyrene	23.995	252	721	0.041	ng	# 1
40) Dibenzo(a,h)anthracene	26.731	278	904	0.053	ng	# 46
41) Benzo(g,h,i)perylene	27.512	276	1035	0.056	ng	# 69

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

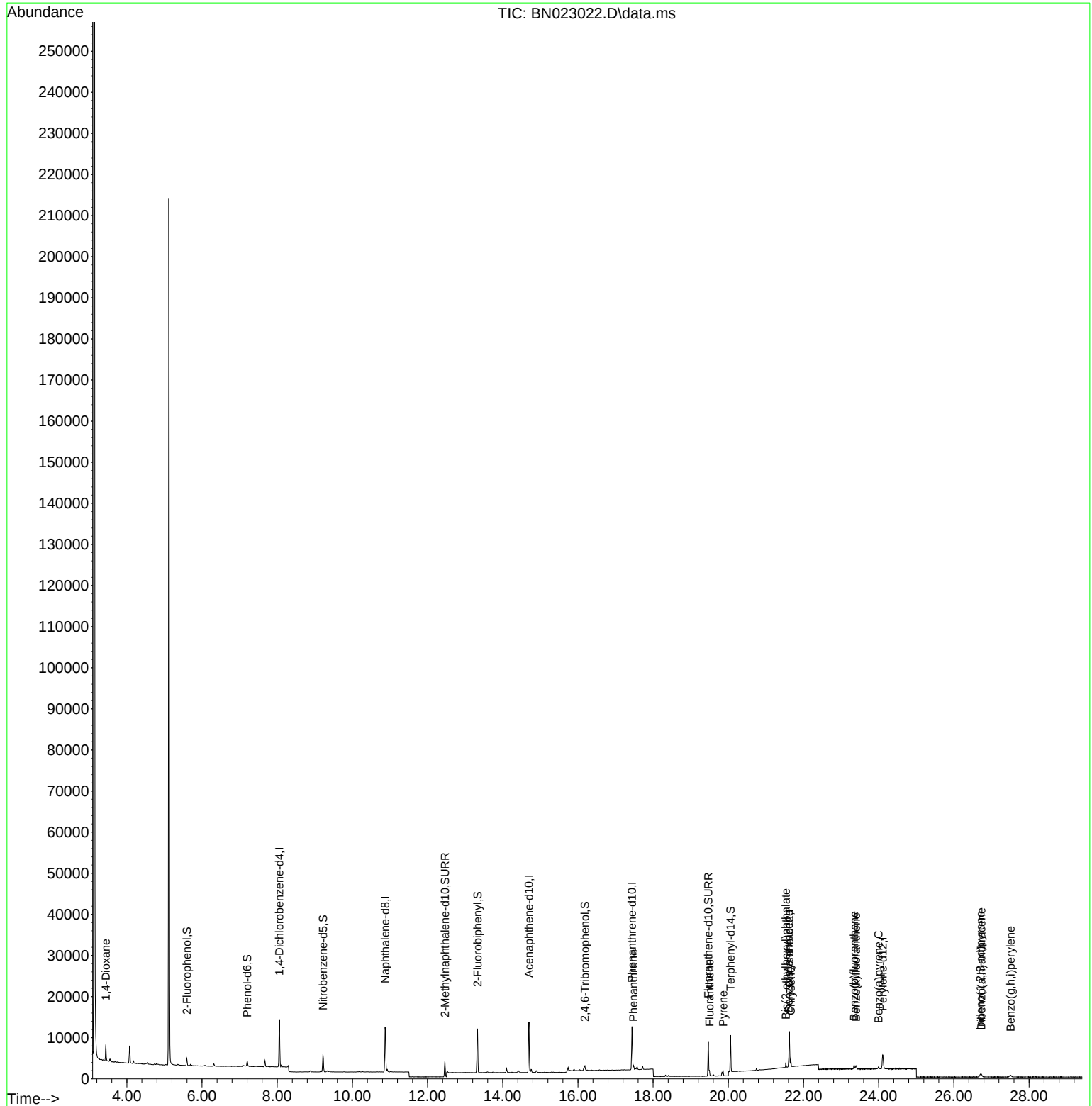
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120122\
Data File : BN023022.D
Acq On : 01 Dec 2022 17:20
Operator : CG/JU
Sample : N5756-16
Misc :
ALS Vial : 11 Sample Multiplier: 1

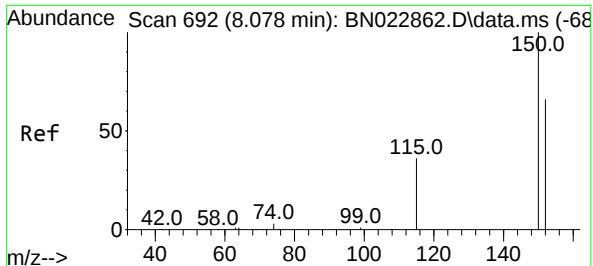
Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120

Manual Integrations
APPROVED

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

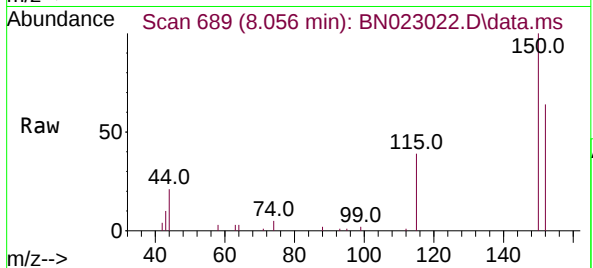
Quant Time: Dec 02 01:46:04 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 02 01:41:37 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.056 min Scan# 68
Delta R.T. -0.008 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

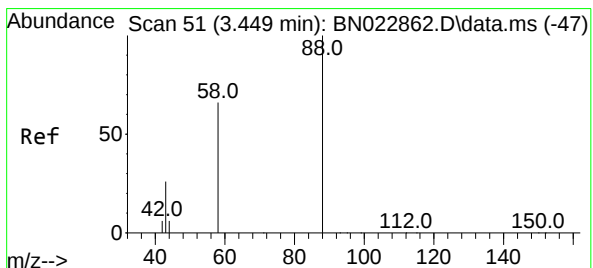
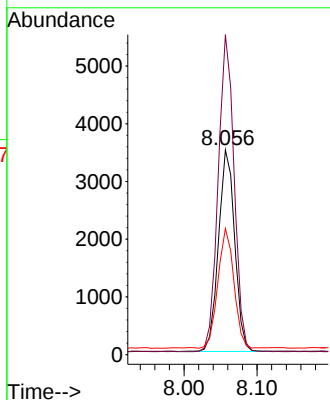
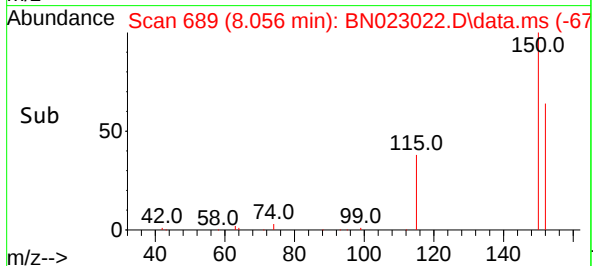
Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120



Tgt Ion: 152 Resp: 541
Ion Ratio Lower Upper
152 100
150 156.3 121.2 181.8
115 61.6 46.2 69.4

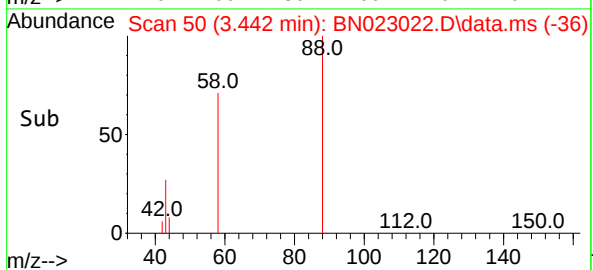
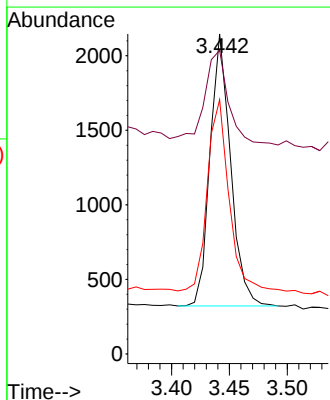
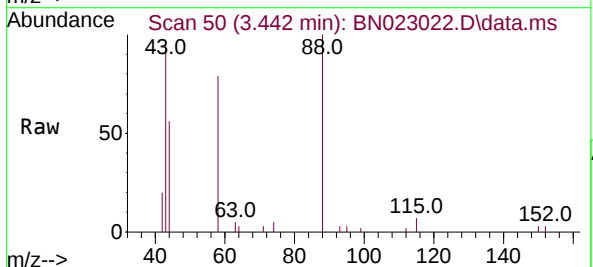
Manual Integrations
APPROVED

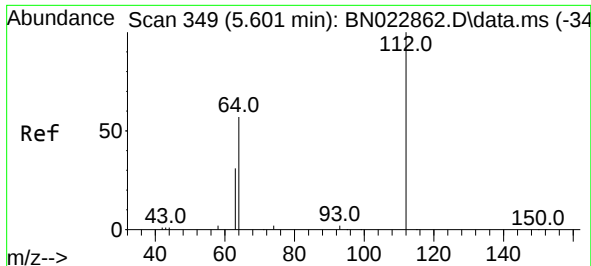
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#2
1,4-Dioxane
Concen: 0.329 ng
RT: 3.442 min Scan# 50
Delta R.T. 0.000 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

Tgt Ion: 88 Resp: 2256
Ion Ratio Lower Upper
88 100
43 40.8 25.4 38.2#
58 73.2 56.5 84.7





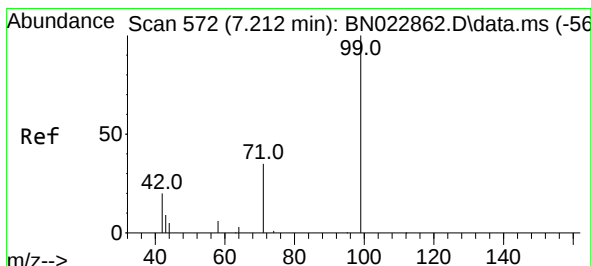
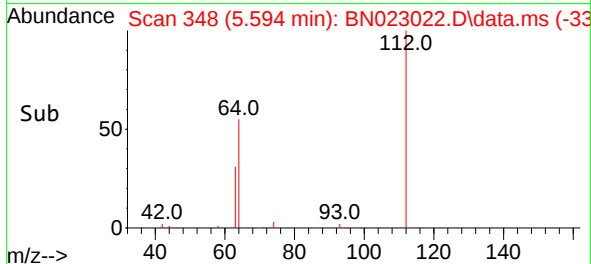
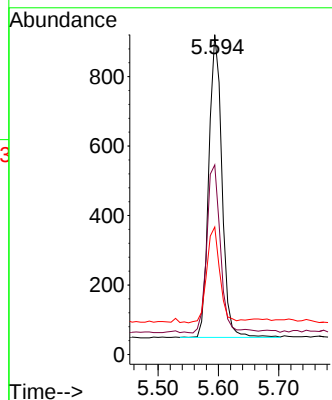
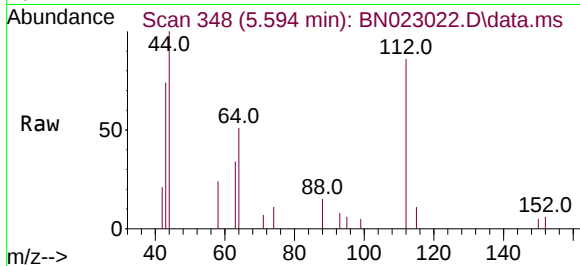
#4
2-Fluorophenol
Concen: 0.094 ng
RT: 5.594 min Scan# 349
Delta R.T. -0.007 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120

Tgt Ion: 112 Resp: 1317
Ion Ratio Lower Upper
112 100
64 57.5 43.4 65.2
63 31.4 23.4 35.2

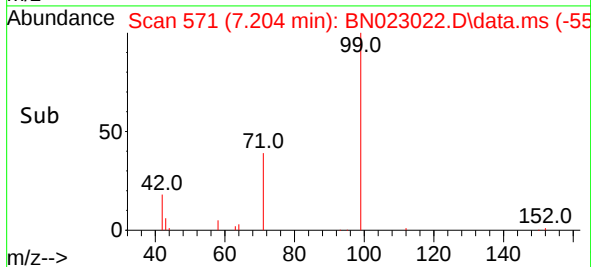
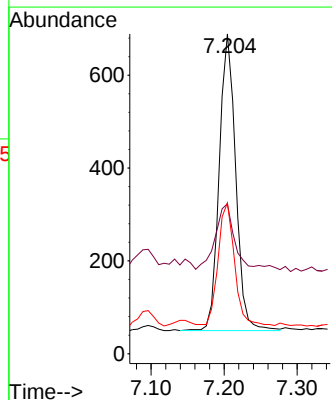
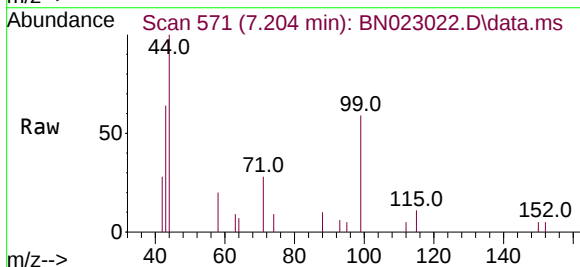
Manual Integrations
APPROVED

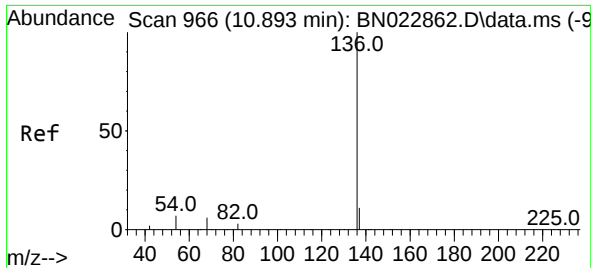
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#5
Phenol-d6
Concen: 0.056 ng
RT: 7.204 min Scan# 571
Delta R.T. 0.000 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

Tgt Ion: 99 Resp: 1006
Ion Ratio Lower Upper
99 100
42 24.6 16.0 24.0#
71 41.2 26.8 40.2#





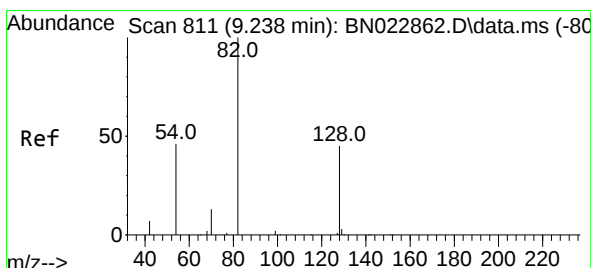
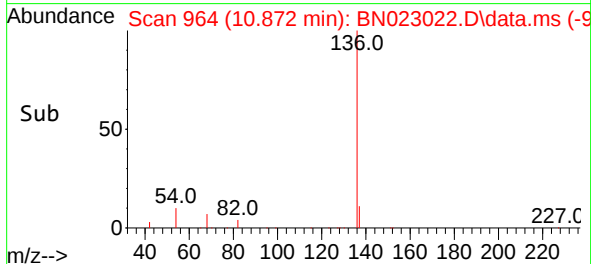
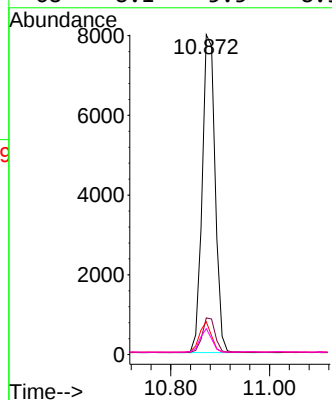
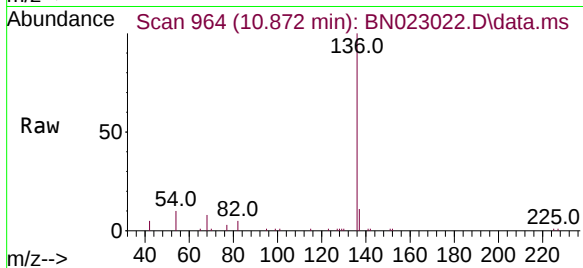
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.872 min Scan# 90
Delta R.T. -0.011 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120

Tgt Ion:136	Resp:	14496
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.0 13.4
54	10.3	6.6 9.8
68	8.1	5.5 8.3

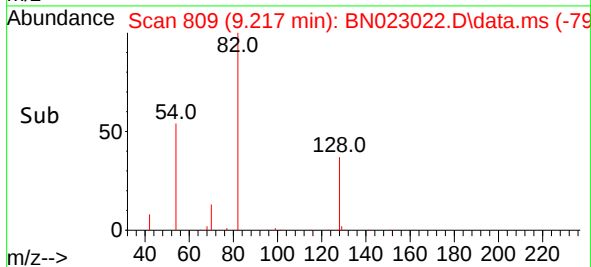
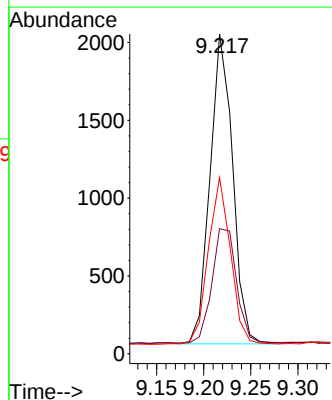
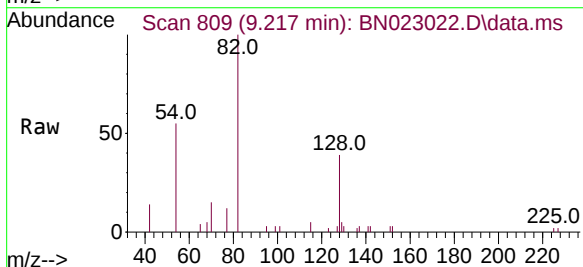
Manual Integrations
APPROVED

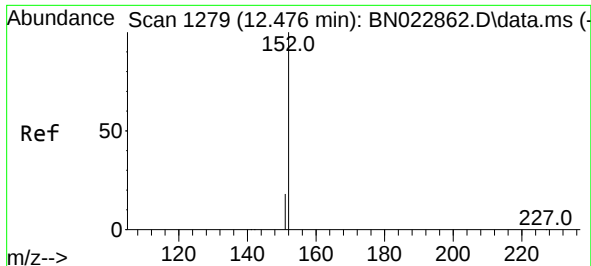
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#8
Nitrobenzene-d5
Concen: 0.295 ng m
RT: 9.217 min Scan# 809
Delta R.T. -0.011 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

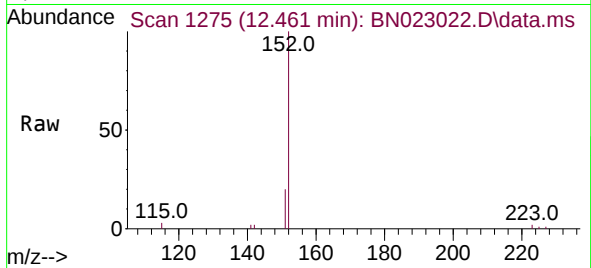
Tgt Ion: 82	Resp:	3327
Ion Ratio	Lower	Upper
82	100	
128	39.1	36.6 54.8
54	55.1	38.5 57.7





#11
2-Methylnaphthalene-d10
Concen: 0.163 ng
RT: 12.461 min Scan# 1275
Delta R.T. -0.004 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

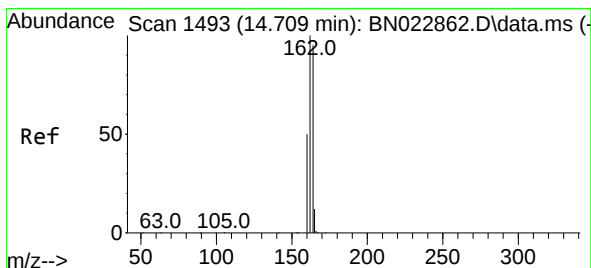
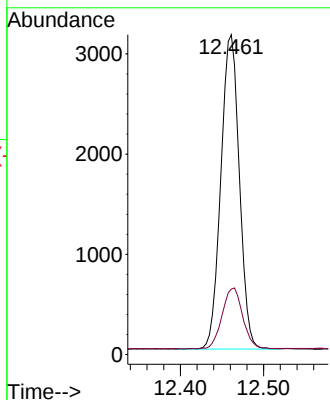
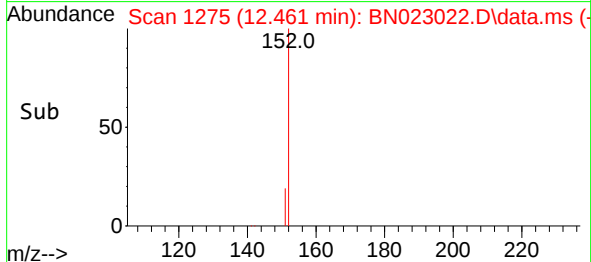
Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120



Tgt Ion:152 Resp: 5128
Ion Ratio Lower Upper
152 100
151 23.3 18.6 27.8

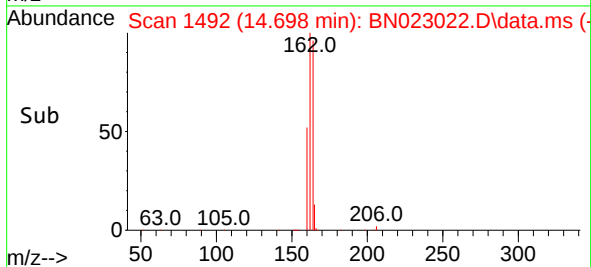
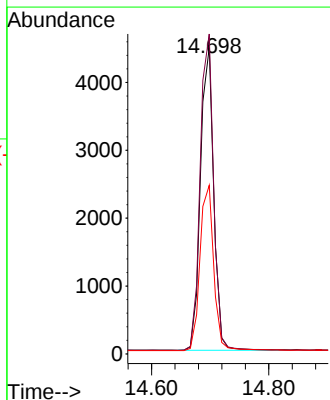
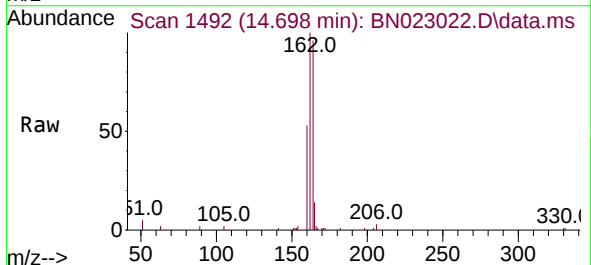
Manual Integrations
APPROVED

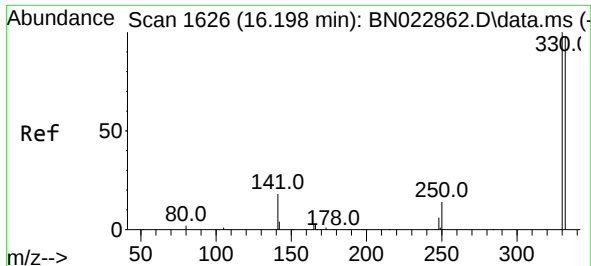
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.698 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

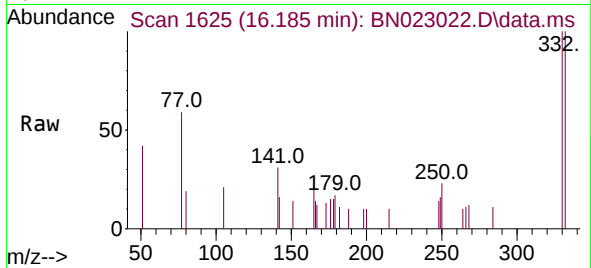
Tgt Ion:164 Resp: 6962
Ion Ratio Lower Upper
164 100
162 104.5 84.2 126.4
160 55.0 42.5 63.7





#14
2,4,6-Tribromophenol
Concen: 0.226 ng
RT: 16.185 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

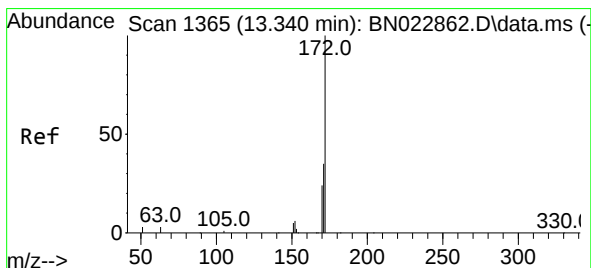
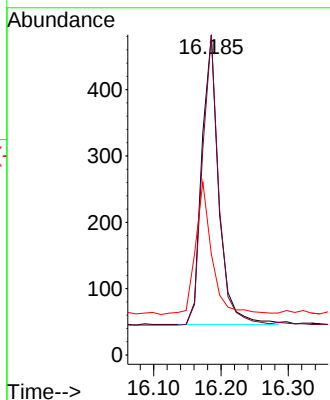
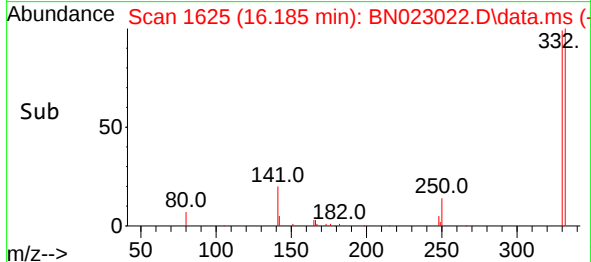
Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120



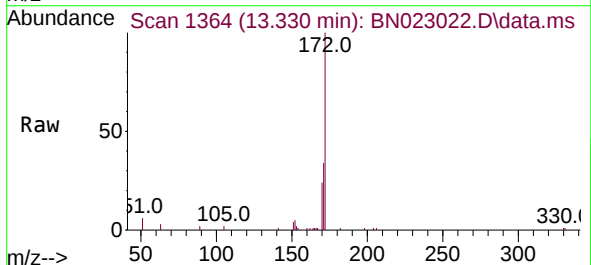
Tgt Ion: 330 Resp: 763
Ion Ratio Lower Upper
330 100
332 97.2 76.5 114.7
141 44.7 32.6 48.8

Manual Integrations
APPROVED

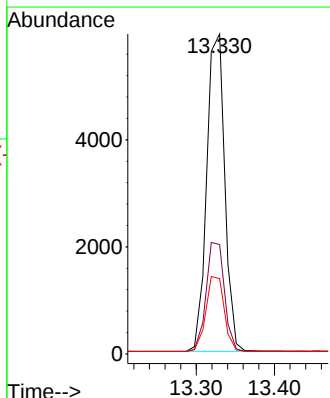
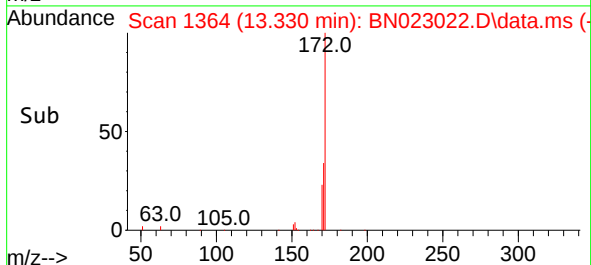
Reviewed By : Christian Giraldo 12/02/2022
Supervised By : Jagrut Upadhyay 12/02/2022

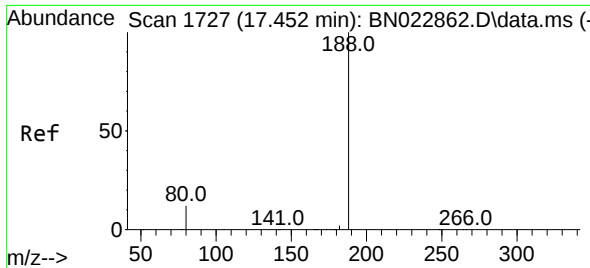


#15
2-Fluorobiphenyl
Concen: 0.299 ng
RT: 13.330 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20



Tgt Ion: 172 Resp: 9533
Ion Ratio Lower Upper
172 100
171 34.2 28.2 42.4
170 23.5 19.3 28.9





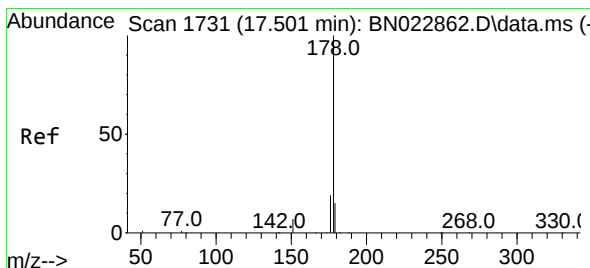
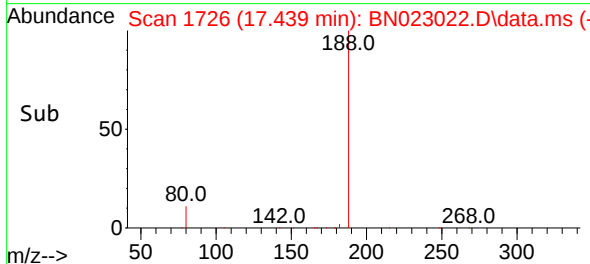
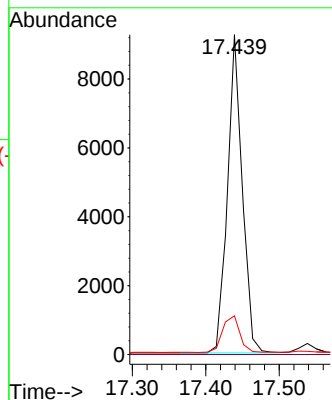
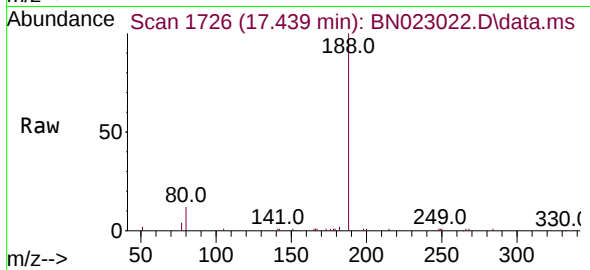
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.439 min Scan# 1727
Delta R.T. 0.000 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120

Tgt Ion:188 Resp: 13029
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.1 10.3 15.5

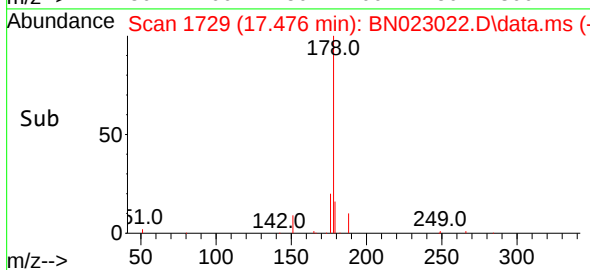
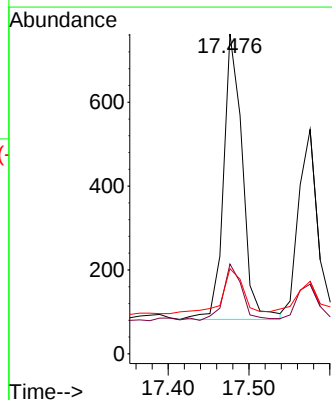
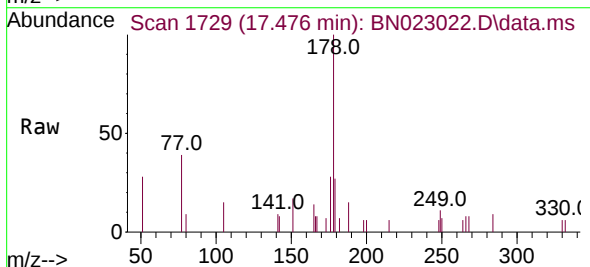
Manual Integrations
APPROVED

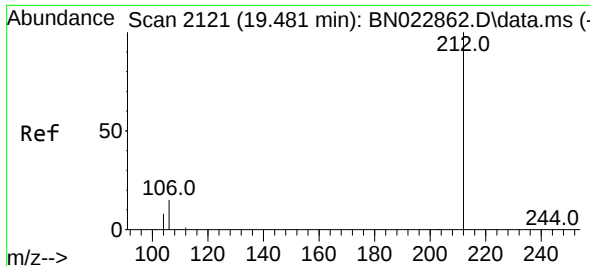
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#25
Phenanthrene
Concen: 0.024 ng
RT: 17.476 min Scan# 1729
Delta R.T. -0.012 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

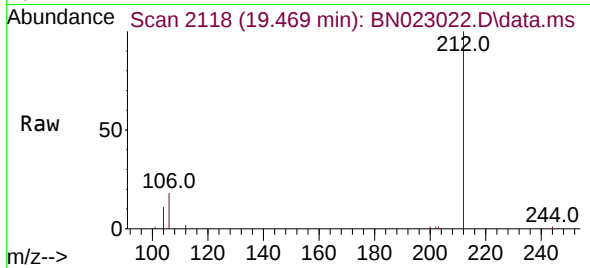
Tgt Ion:178 Resp: 1106
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 17.6 12.2 18.2





#27
Fluoranthene-d10
Concen: 0.251 ng
RT: 19.469 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

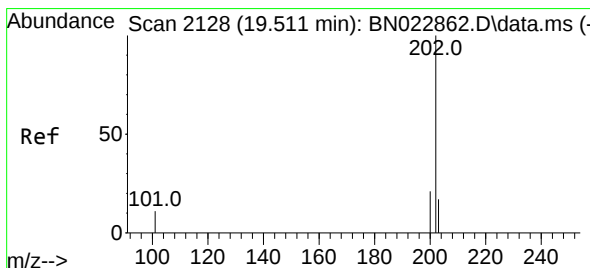
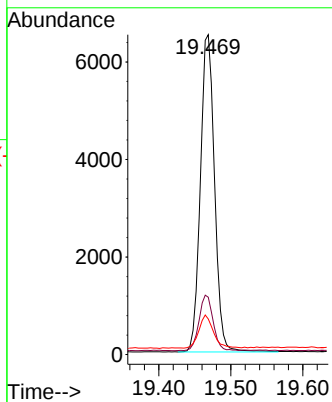
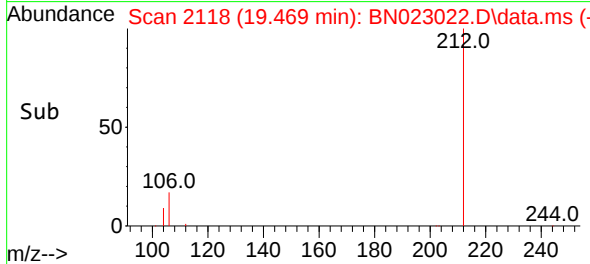
Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120



Tgt Ion:212 Resp: 8880
Ion Ratio Lower Upper
212 100
106 17.4 12.3 18.5
104 10.6 7.0 10.4

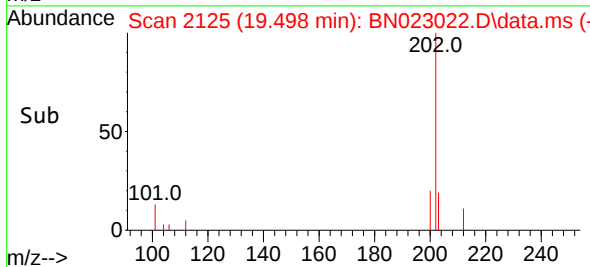
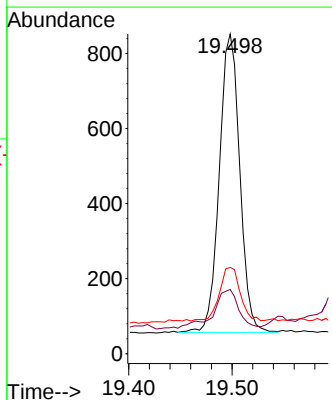
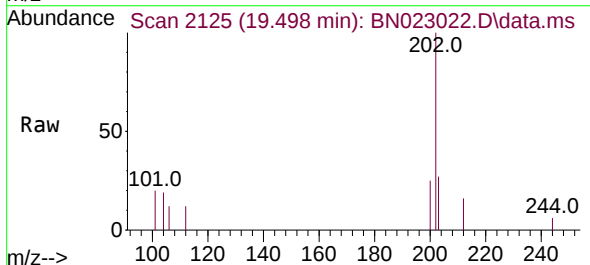
Manual Integrations
APPROVED

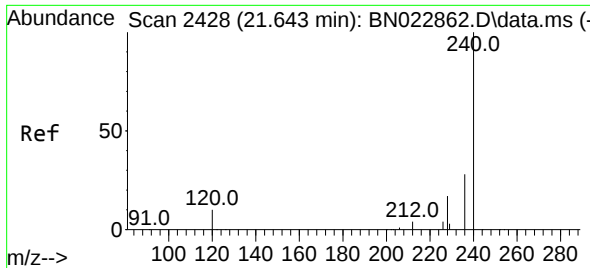
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#28
Fluoranthene
Concen: 0.023 ng
RT: 19.498 min Scan# 2125
Delta R.T. -0.004 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

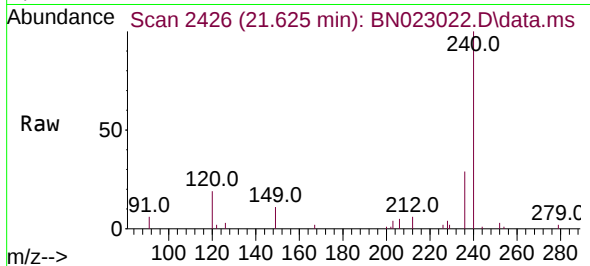
Tgt Ion:202 Resp: 1091
Ion Ratio Lower Upper
202 100
101 16.5 9.3 13.9
203 18.1 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.625 min Scan# 2426
Delta R.T. -0.004 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

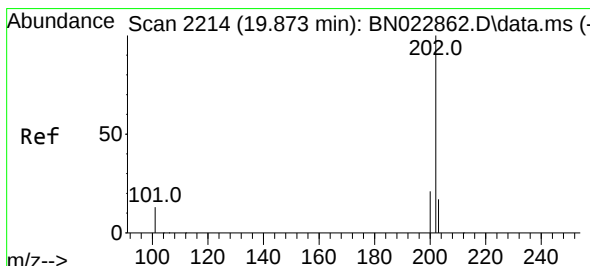
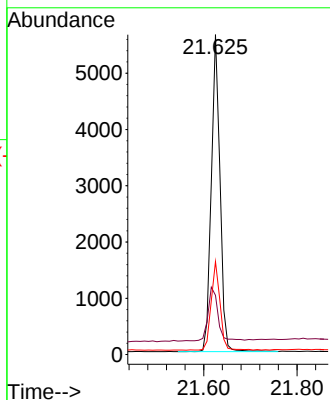
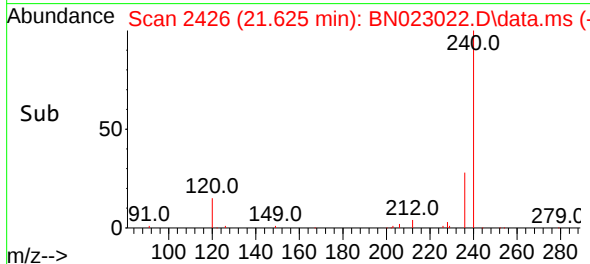
Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120



Tgt Ion:240 Resp: 7317
Ion Ratio Lower Upper
240 100
120 18.5 9.2 13.8
236 29.1 22.6 34.0

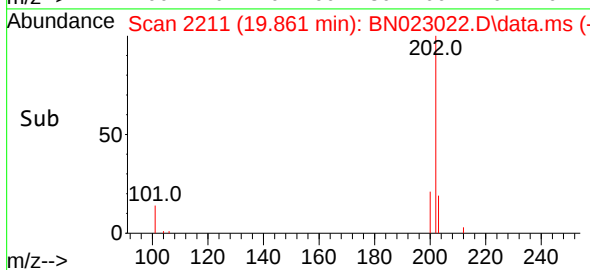
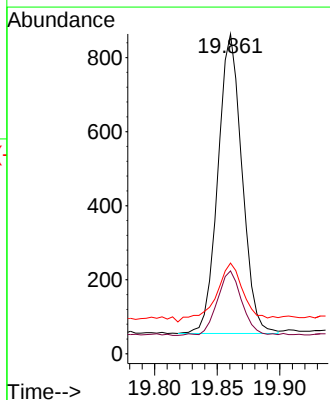
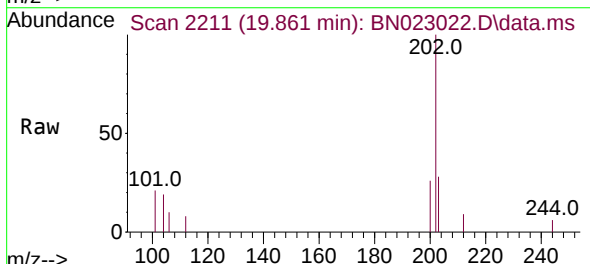
Manual Integrations
APPROVED

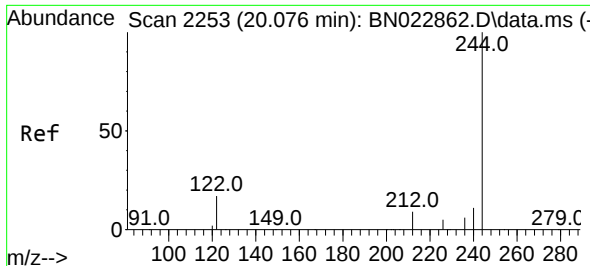
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#30
Pyrene
Concen: 0.028 ng
RT: 19.861 min Scan# 2211
Delta R.T. -0.004 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

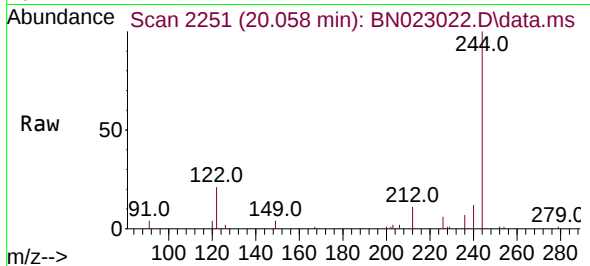
Tgt Ion:202 Resp: 1084
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.4
203 23.2 14.2 21.2





#31
 Terphenyl-d14
 Concen: 0.402 ng
 RT: 20.058 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BN023022.D
 Acq: 01 Dec 2022 17:20

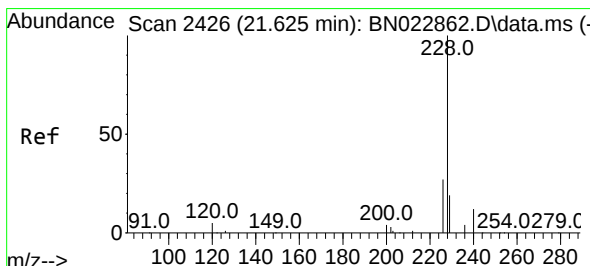
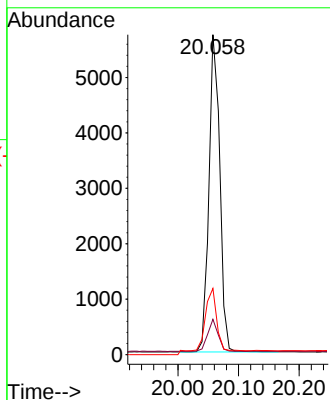
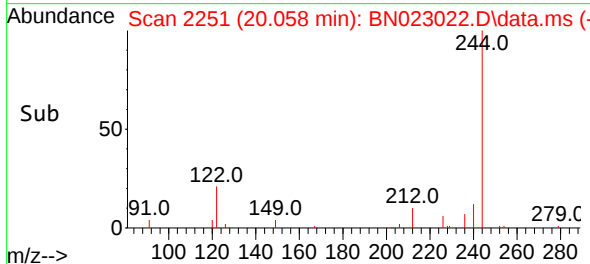
Instrument :
 BNA_N
 ClientSampleId :
 RW9-MW01D1-20221120



Tgt Ion:244 Resp: 6904
 Ion Ratio Lower Upper
 244 100
 212 11.0 7.9 11.9
 122 20.7 13.9 20.9

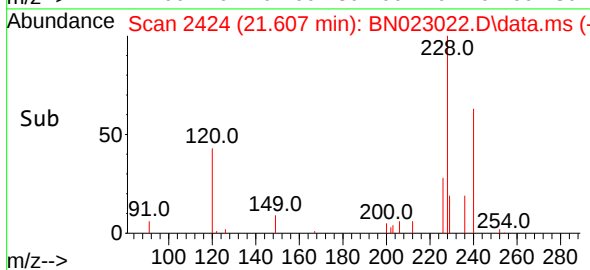
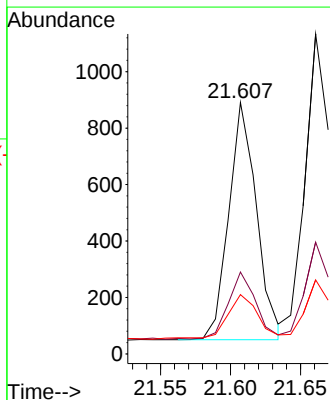
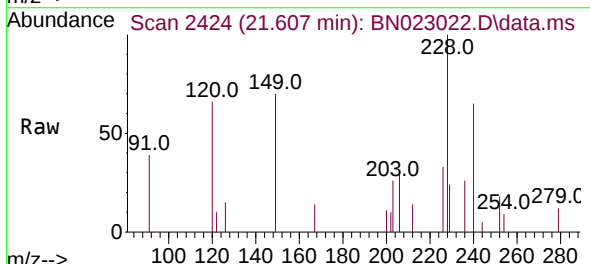
Manual Integrations
 APPROVED

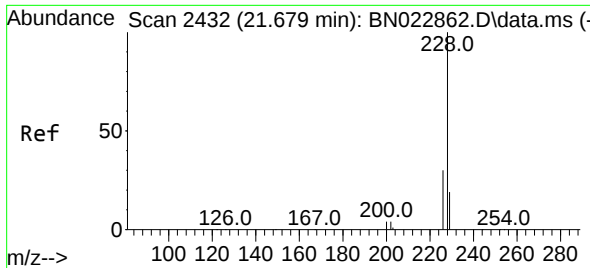
Reviewed By :Christian Giraldo 12/02/2022
 Supervised By :Jagrut Upadhyay 12/02/2022



#32
 Benzo(a)anthracene
 Concen: 0.039 ng
 RT: 21.607 min Scan# 2424
 Delta R.T. -0.004 min
 Lab File: BN023022.D
 Acq: 01 Dec 2022 17:20

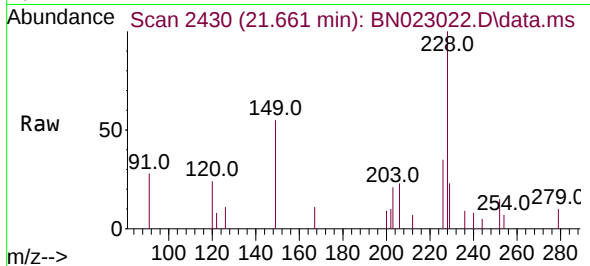
Tgt Ion:228 Resp: 1159
 Ion Ratio Lower Upper
 228 100
 226 32.5 22.1 33.1
 229 23.6 15.8 23.6





#33
Chrysene
Concen: 0.045 ng
RT: 21.661 min Scan# 2432
Delta R.T. -0.004 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

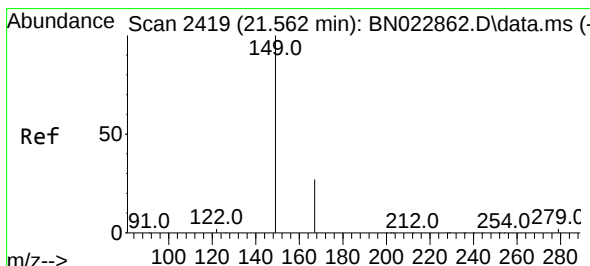
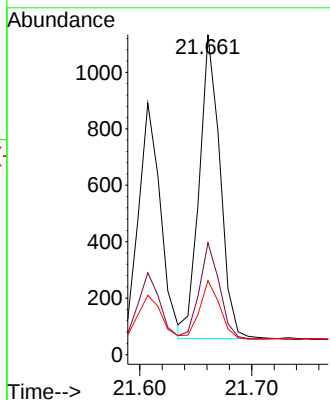
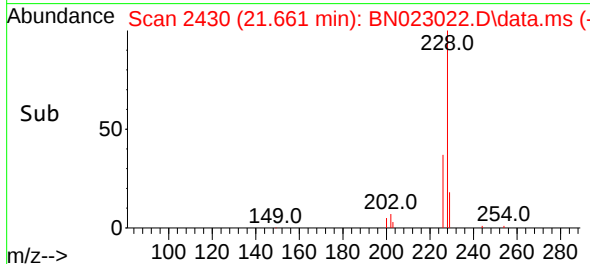
Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120



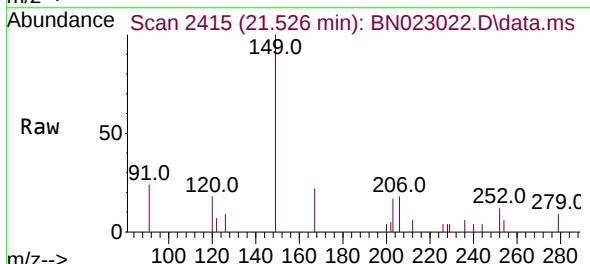
Tgt Ion: 228 Resp: 1385
Ion Ratio Lower Upper
228 100
226 34.9 24.5 36.7
229 23.1 15.8 23.6

Manual Integrations
APPROVED

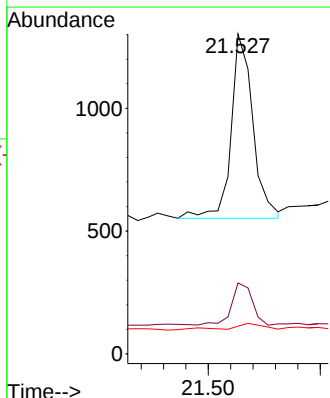
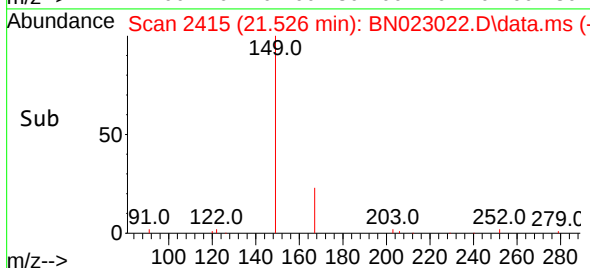
Reviewed By : Christian Giraldo 12/02/2022
Supervised By : Jagrut Upadhyay 12/02/2022

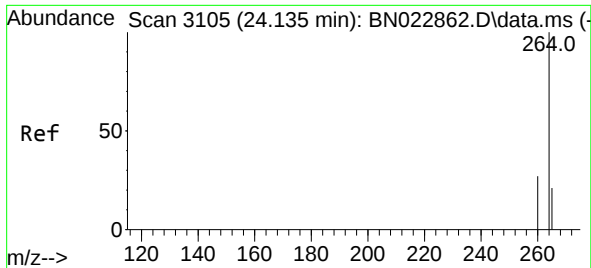


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.086 ng
RT: 21.526 min Scan# 2415
Delta R.T. -0.013 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20



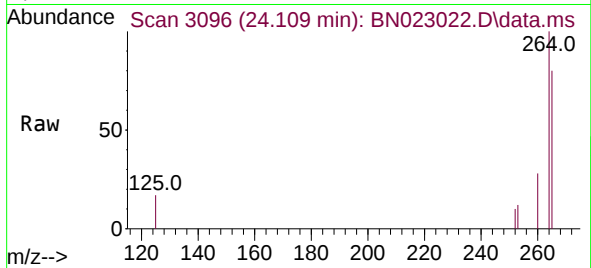
Tgt Ion: 149 Resp: 1018
Ion Ratio Lower Upper
149 100
167 21.4 21.3 31.9
279 3.3 2.3 3.5





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.109 min Scan# 3096
 Delta R.T. -0.004 min
 Lab File: BN023022.D
 Acq: 01 Dec 2022 17:20

Instrument :
 BNA_N
 ClientSampleId :
 RW9-MW01D1-20221120

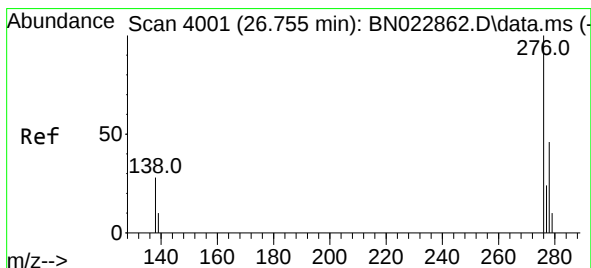
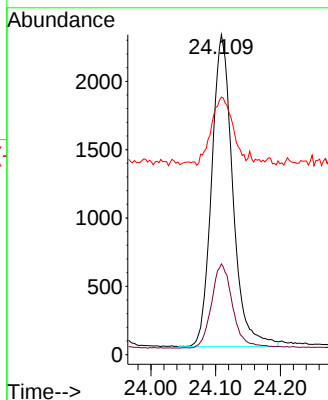
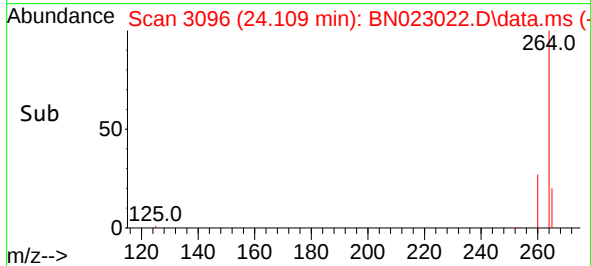


Tgt Ion:264 Resp: 5178

Ion	Ratio	Lower	Upper
264	100		
260	28.4	21.7	32.5
265	80.5	31.0	46.4

Manual Integrations
 APPROVED

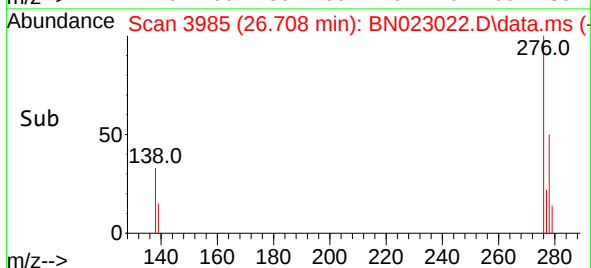
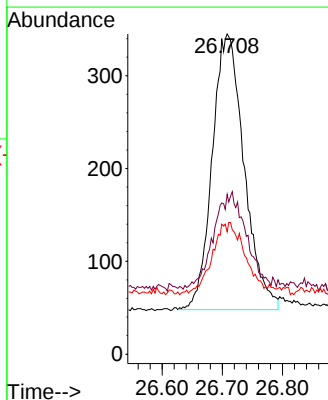
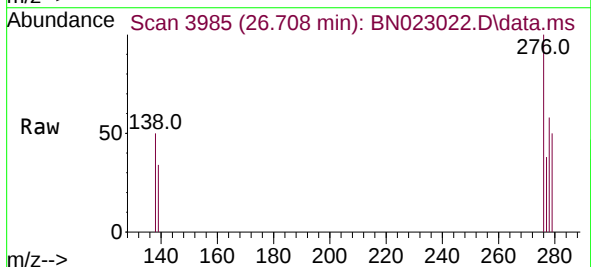
Reviewed By :Christian Giraldo 12/02/2022
 Supervised By :Jagrut Upadhyay 12/02/2022

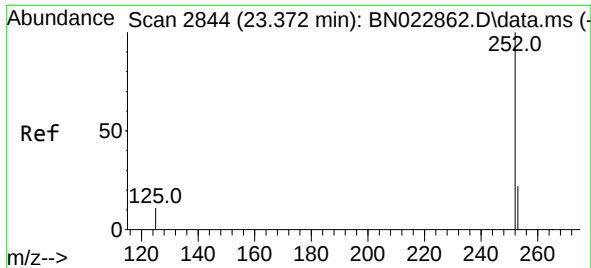


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.051 ng
 RT: 26.708 min Scan# 3985
 Delta R.T. -0.010 min
 Lab File: BN023022.D
 Acq: 01 Dec 2022 17:20

Tgt Ion:276 Resp: 1097

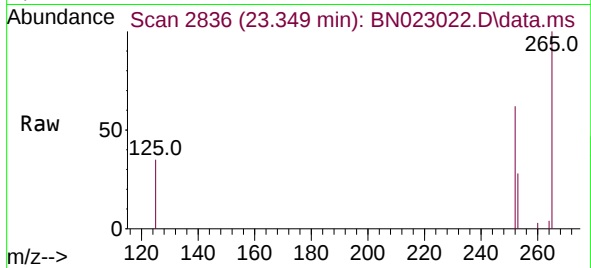
Ion	Ratio	Lower	Upper
276	100		
138	36.3	24.4	36.6
277	11.9	19.9	29.9





#37
Benzo(b)fluoranthene
Concen: 0.054 ng
RT: 23.349 min Scan# 2844
Delta R.T. -0.001 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

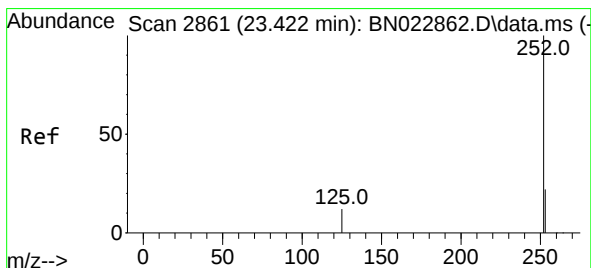
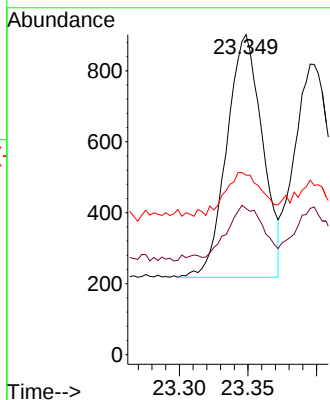
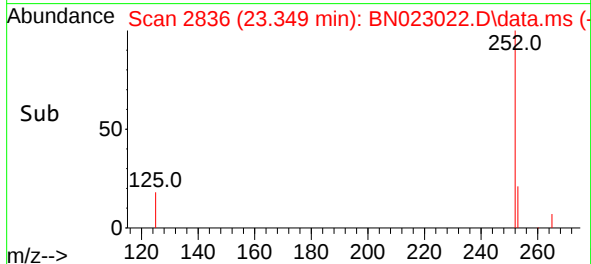
Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120



Tgt Ion:252 Resp: 124
Ion Ratio Lower Upper
252 100
253 45.7 18.5 27.7
125 56.1 10.8 16.2

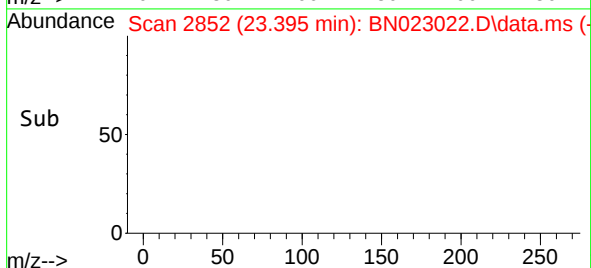
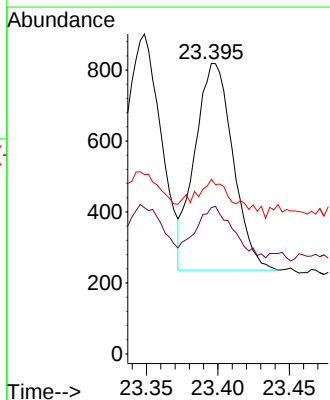
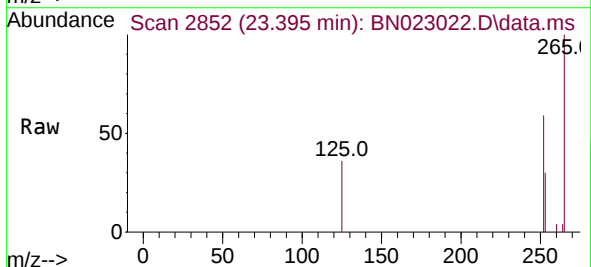
Manual Integrations
APPROVED

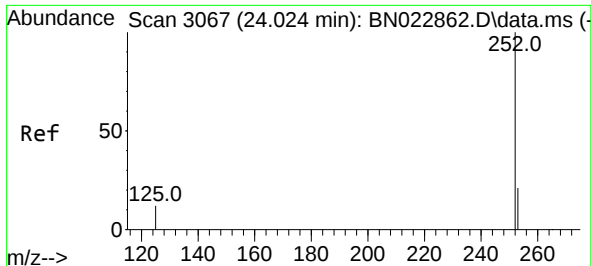
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#38
Benzo(k)fluoranthene
Concen: 0.043 ng
RT: 23.395 min Scan# 2852
Delta R.T. -0.004 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

Tgt Ion:252 Resp: 1085
Ion Ratio Lower Upper
252 100
253 50.3 18.6 27.8
125 60.1 11.0 16.4





#39

Benzo(a)pyrene

Concen: 0.041 ng

RT: 23.995 min Scan# 3067

Delta R.T. -0.007 min

Lab File: BN023022.D

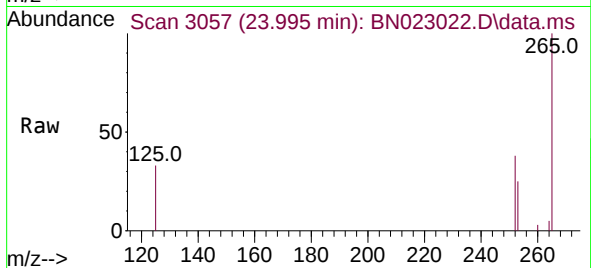
Acq: 01 Dec 2022 17:20

Instrument :

BNA_N

ClientSampleId :

RW9-MW01D1-20221120



Tgt Ion:252 Resp: 721

Ion Ratio Lower Upper

252 100

253 66.1 19.2 28.8

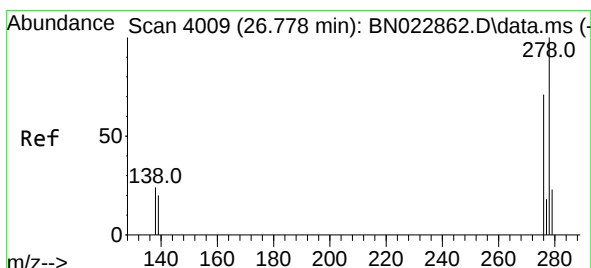
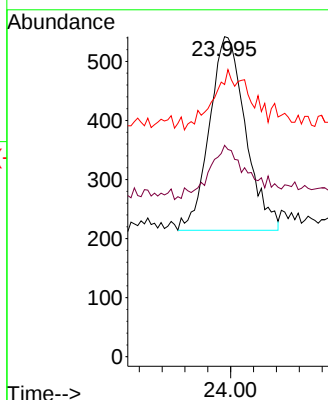
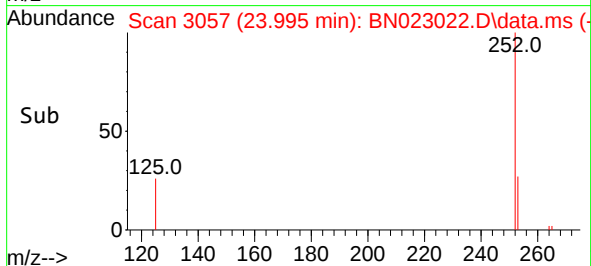
125 85.1 12.7 19.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.053 ng

RT: 26.731 min Scan# 3993

Delta R.T. -0.007 min

Lab File: BN023022.D

Acq: 01 Dec 2022 17:20

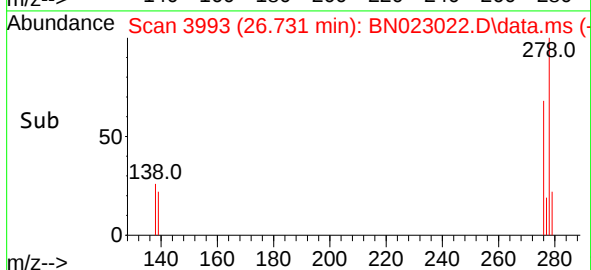
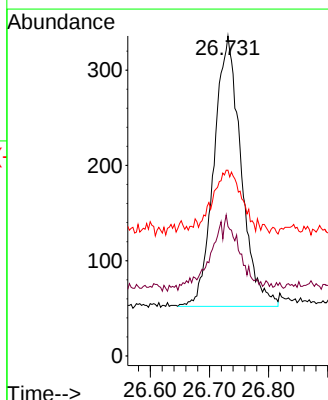
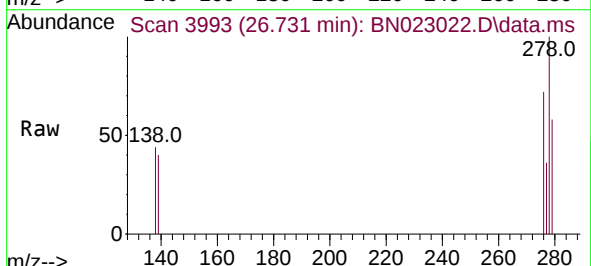
Tgt Ion:278 Resp: 904

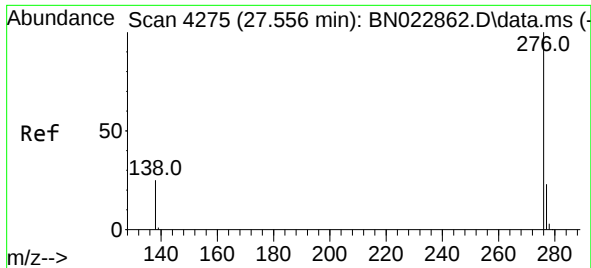
Ion Ratio Lower Upper

278 100

139 40.5 17.4 26.0

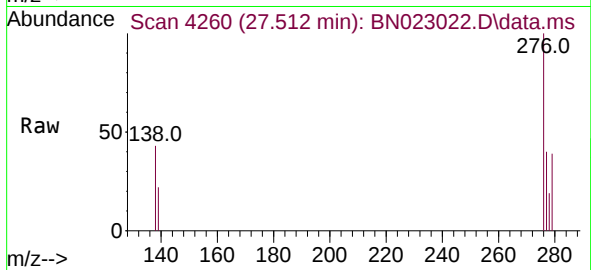
279 58.0 20.0 30.0





#41
Benzo(g,h,i)perylene
Concen: 0.056 ng
RT: 27.512 min Scan# 41
Delta R.T. -0.001 min
Lab File: BN023022.D
Acq: 01 Dec 2022 17:20

Instrument :
BNA_N
ClientSampleId :
RW9-MW01D1-20221120



Tgt Ion:276 Resp: 1035
Ion Ratio Lower Upper
276 100
277 40.1 19.7 29.5
138 42.5 21.4 32.2

Manual Integrations
APPROVED

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

