

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113022\
 Data File : BN023007.D
 Acq On : 01 Dec 2022 06:34
 Operator : CG/JU
 Sample : N5756-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT150S1-20221117

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/01/2022
 Supervised By : Jagrut Upadhyay 12/01/2022

Quant Time: Dec 01 07:07:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 30 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	6419	0.400	ng	0.00
7) Naphthalene-d8	10.872	136	17278	0.400	ng	#-0.01
13) Acenaphthene-d10	14.698	164	8353	0.400	ng	0.00
19) Phenanthrene-d10	17.439	188	15510	0.400	ng	0.00
29) Chrysene-d12	21.625	240	10040	0.400	ng	# 0.00
35) Perylene-d12	24.109	264	7209	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.594	112	1594	0.096	ng	0.00
5) Phenol-d6	7.204	99	1201	0.057	ng	0.00
8) Nitrobenzene-d5	9.217	82	4182	0.312	ng	-0.01
11) 2-Methylnaphthalene-d10	12.458	152	6702	0.179	ng	0.00
14) 2,4,6-Tribromophenol	16.186	330	991	0.246	ng	0.00
15) 2-Fluorobiphenyl	13.330	172	13594	0.356	ng	0.00
27) Fluoranthene-d10	19.469	212	11767	0.279	ng	0.00
31) Terphenyl-d14	20.058	244	10562	0.448	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.442	88	1351	0.166	ng	# 87
9) Naphthalene	10.925	128	2122	0.040	ng	# 91
16) Acenaphthylene	14.410	152	1344	0.030	ng	97
17) Acenaphthene	14.752	154	911	0.031	ng	99
18) Fluorene	15.739	166	1260	0.034	ng	98
25) Phenanthrene	17.477	178	2590m	0.048	ng	
26) Anthracene	17.576	178	1683	0.036	ng	# 92
28) Fluoranthene	19.498	202	2488	0.043	ng	97
30) Pyrene	19.861	202	2544	0.049	ng	99
32) Benzo(a)anthracene	21.607	228	1784	0.044	ng	94
33) Chrysene	21.661	228	1971	0.047	ng	94
34) Bis(2-ethylhexyl)phtha...	21.536	149	2209	0.136	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.714	276	1318m	0.044	ng	
37) Benzo(b)fluoranthene	23.346	252	1698	0.053	ng	# 37
38) Benzo(k)fluoranthene	23.395	252	1385	0.040	ng	# 33
39) Benzo(a)pyrene	23.998	252	1016	0.041	ng	# 1
40) Dibenzo(a,h)anthracene	26.728	278	1070	0.045	ng	# 55
41) Benzo(g,h,i)perylene	27.506	276	1158	0.045	ng	# 67

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

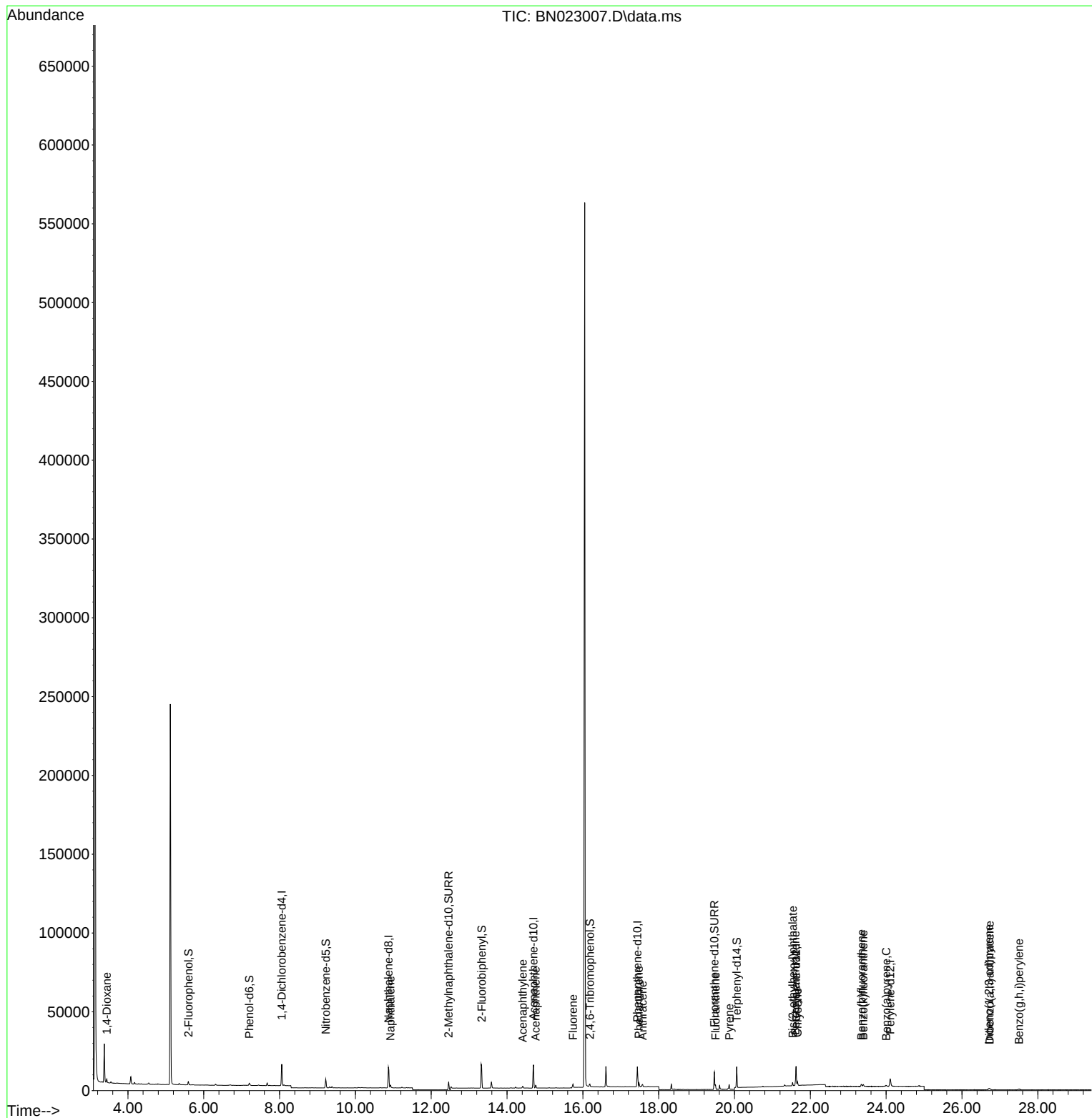
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113022\
Data File : BN023007.D
Acq On : 01 Dec 2022 06:34
Operator : CG/JU
Sample : N5756-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

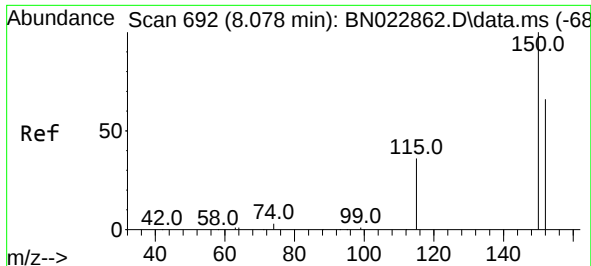
Instrument :
BNA_N
ClientSampleId :
TT150S1-20221117

Manual Integrations
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Supervised By :Jagrut Upadhyay 12/01/2022

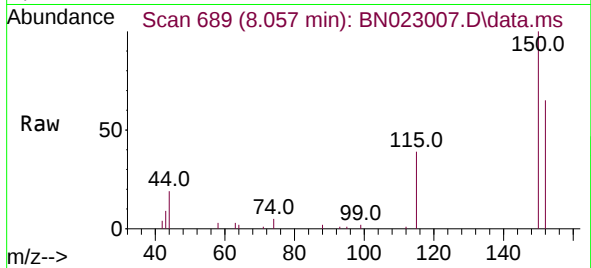
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 30 00:45:21 2022
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.057 min Scan# 68
 Delta R.T. -0.007 min
 Lab File: BN023007.D
 Acq: 01 Dec 2022 06:34

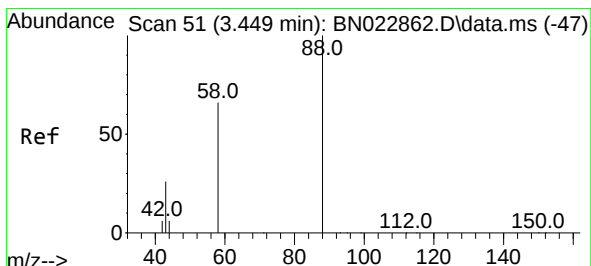
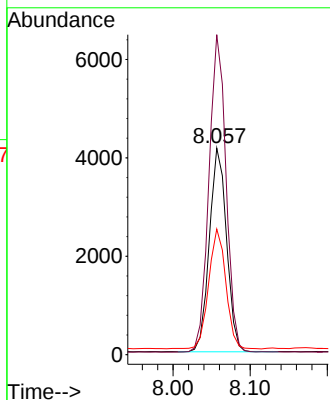
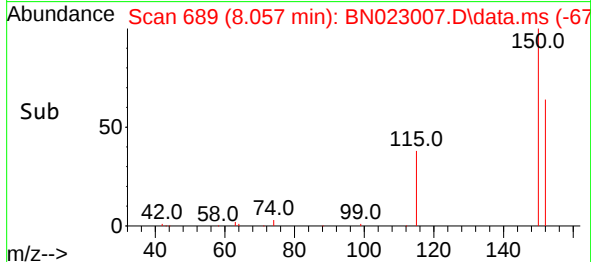
Instrument :
 BNA_N
 ClientSampleId :
 TT150S1-20221117



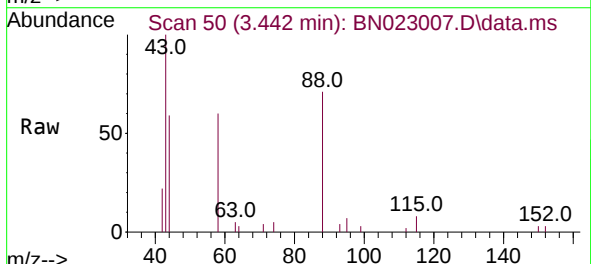
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 Ion Ratio Lower Upper
 152 100
 150 154.9 121.2 181.8
 115 60.8 46.2 69.4

Manual Integrations
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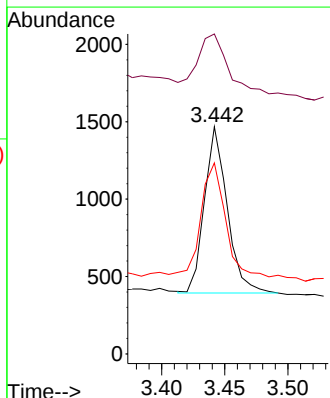
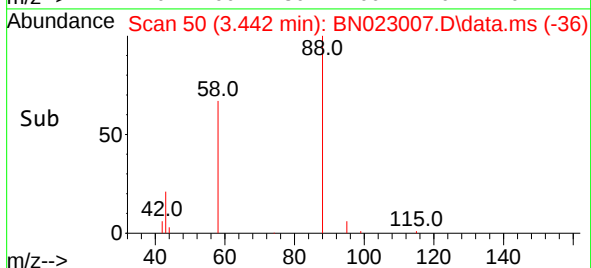
Reviewed By : Christian Giraldo 12/01/2022
 Supervised By : Jagrut Upadhyay 12/01/2022

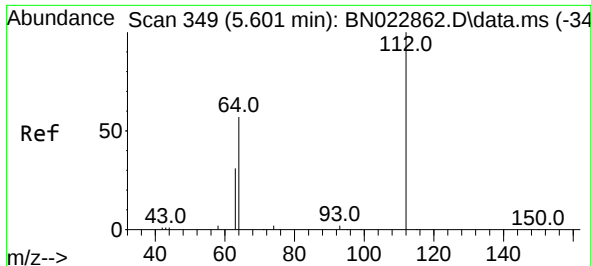


#2
 1,4-Dioxane
 Concen: 0.166 ng
 RT: 3.442 min Scan# 50
 Delta R.T. 0.000 min
 Lab File: BN023007.D
 Acq: 01 Dec 2022 06:34



Tgt Ion: 88 Resp: 1351
 Ion Ratio Lower Upper
 88 100
 43 48.0 25.4 38.2
 58 74.8 56.5 84.7





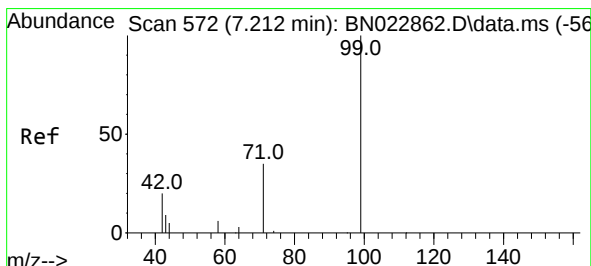
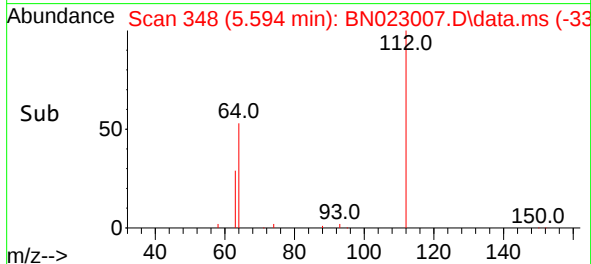
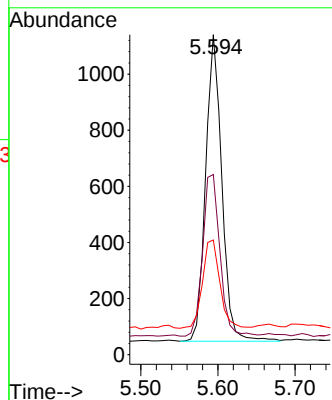
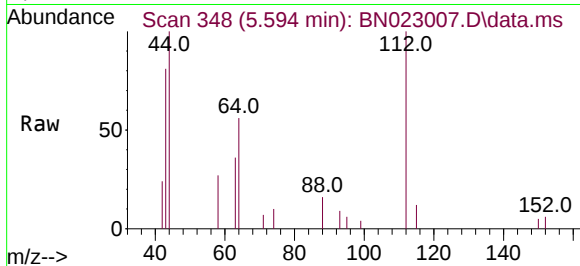
#4
2-Fluorophenol
Concen: 0.096 ng
RT: 5.594 min Scan# 349
Delta R.T. -0.007 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:112 Resp: 1594
Ion Ratio Lower Upper
112 100
64 56.3 43.4 65.2
63 30.9 23.4 35.2

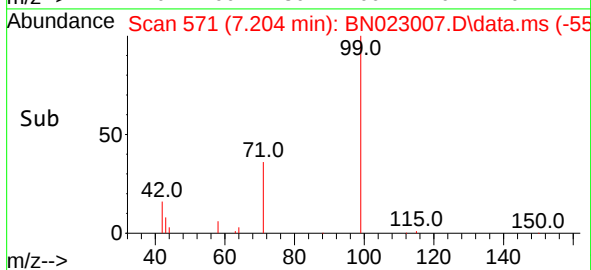
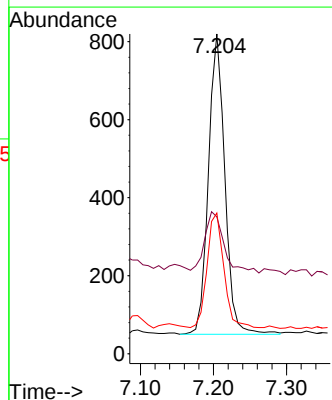
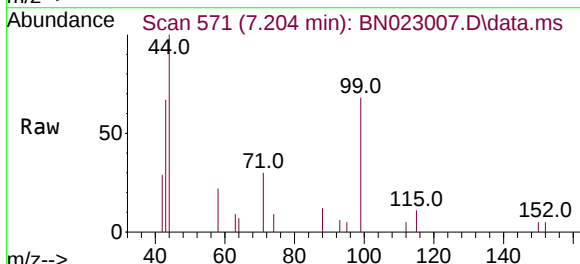
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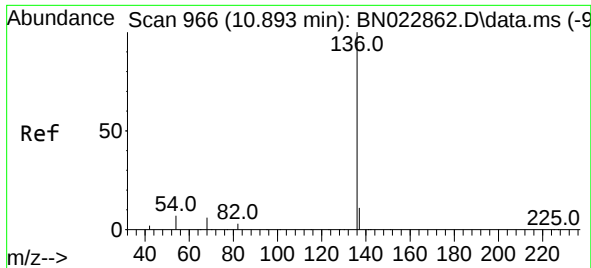
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#5
Phenol-d6
Concen: 0.057 ng
RT: 7.204 min Scan# 571
Delta R.T. 0.000 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

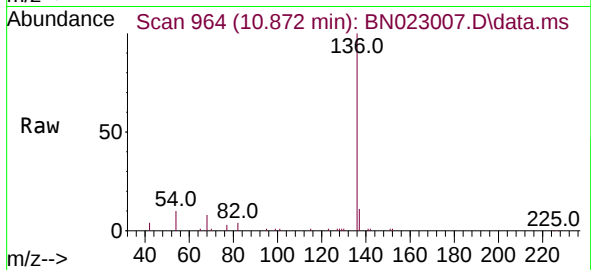
Tgt Ion: 99 Resp: 1201
Ion Ratio Lower Upper
99 100
42 23.9 16.0 24.0
71 39.0 26.8 40.2





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.872 min Scan# 90
Delta R.T. -0.010 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

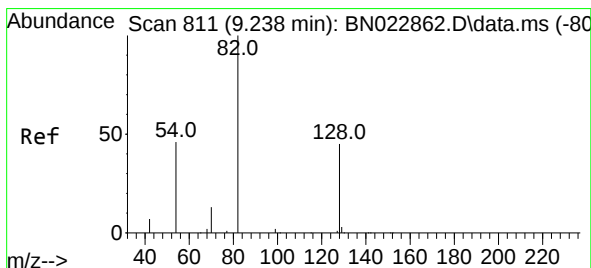
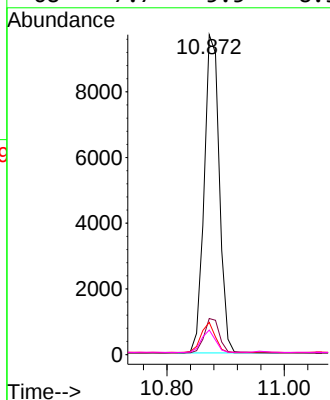
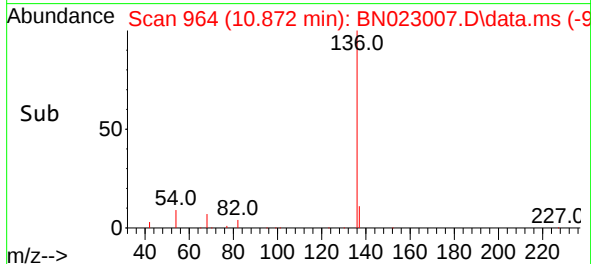
Instrument :
BNA_N
ClientSampleId :
TT150S1-20221117



Tgt Ion:136 Resp: 17278
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 10.1 6.6 9.8
68 7.7 5.5 8.3

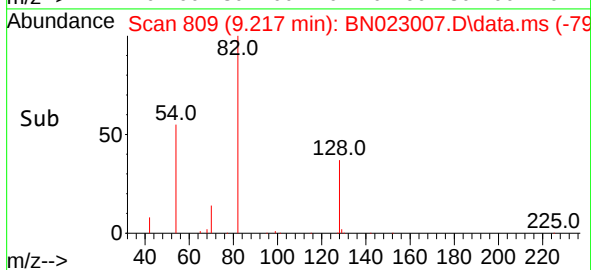
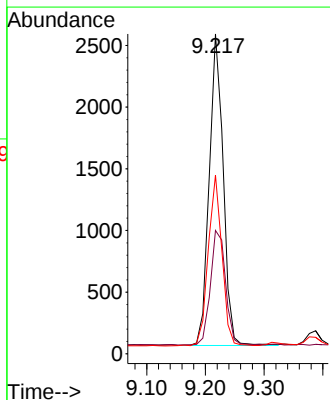
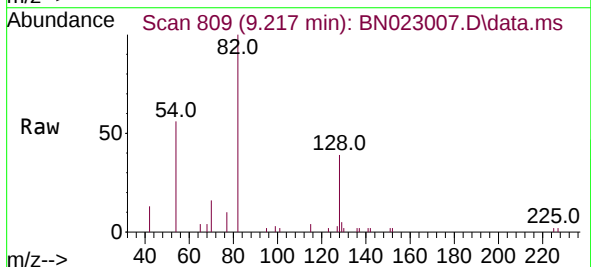
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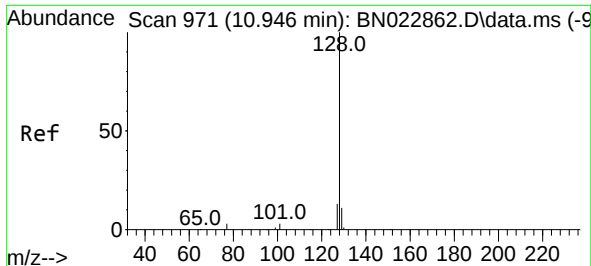
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#8
Nitrobenzene-d5
Concen: 0.312 ng
RT: 9.217 min Scan# 809
Delta R.T. -0.010 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

Tgt Ion: 82 Resp: 4182
Ion Ratio Lower Upper
82 100
128 38.6 36.6 54.8
54 55.9 38.5 57.7





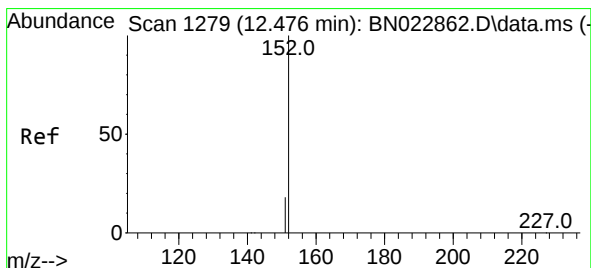
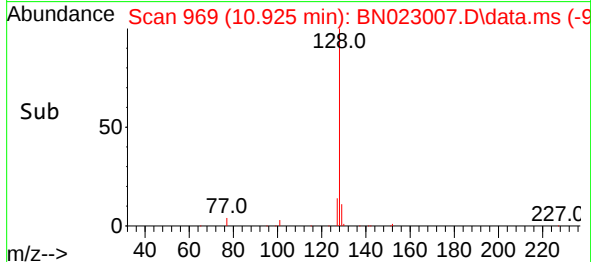
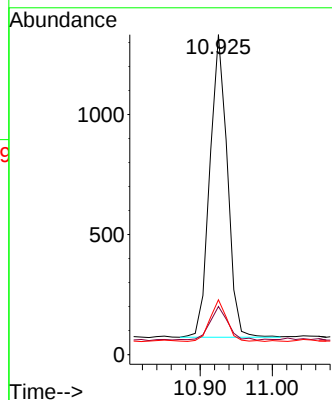
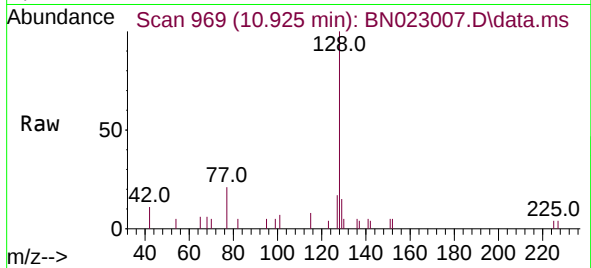
#9
Naphthalene
Concen: 0.040 ng
RT: 10.925 min Scan# 90
Delta R.T. -0.010 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

Instrument :
BNA_N
ClientSampleId :
TT150S1-20221117

Tgt Ion:128 Resp: 212
Ion Ratio Lower Upper
128 100
129 15.0 9.0 13.4
127 17.1 10.8 16.2

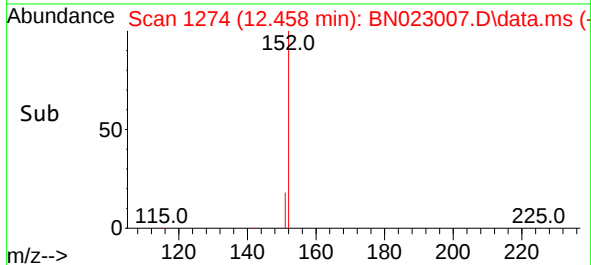
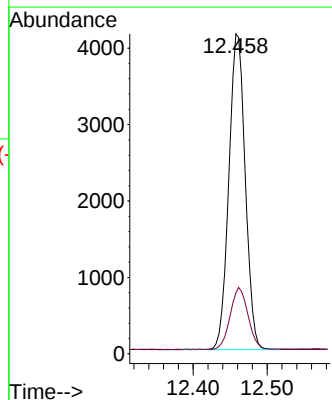
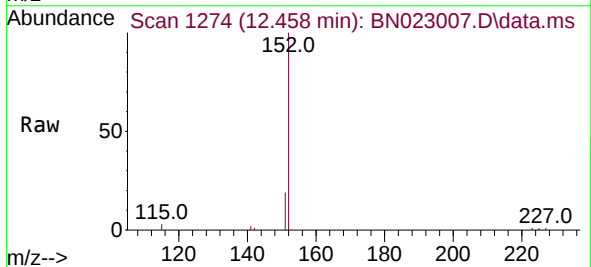
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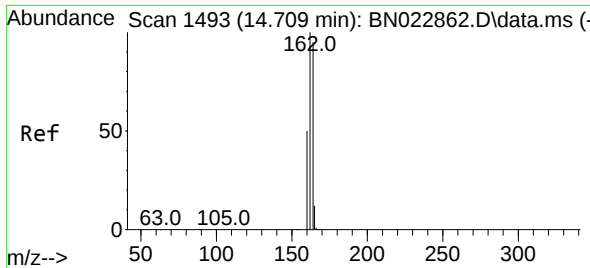
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#11
2-Methylnaphthalene-d10
Concen: 0.179 ng
RT: 12.458 min Scan# 1274
Delta R.T. -0.007 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

Tgt Ion:152 Resp: 6702
Ion Ratio Lower Upper
152 100
151 24.7 18.6 27.8





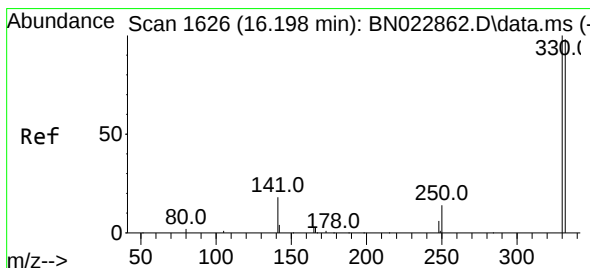
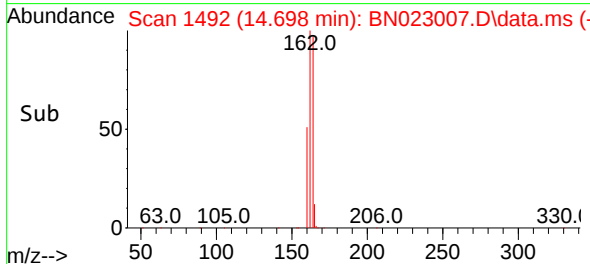
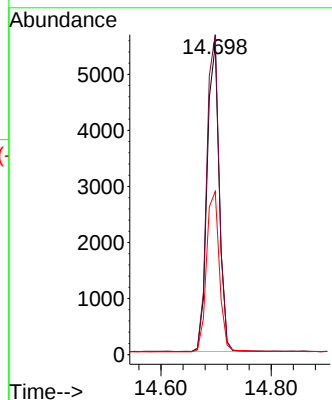
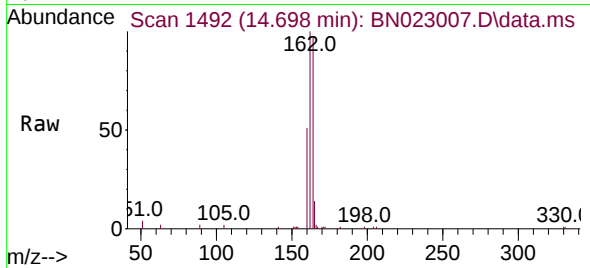
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

Instrument :
BNA_N
ClientSampleId :
TT150S1-20221117

Tgt Ion:164 Resp: 835
Ion Ratio Lower Upper
164 100
162 103.3 84.2 126.4
160 52.6 42.5 63.7

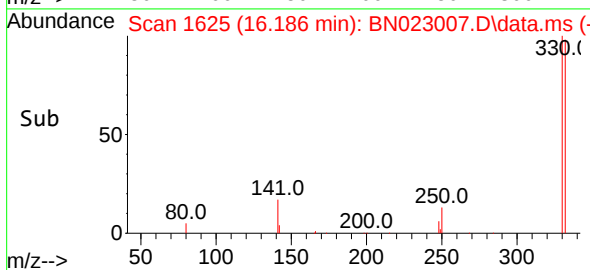
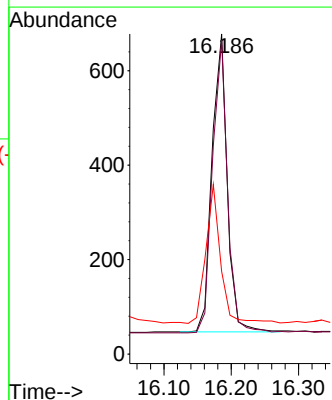
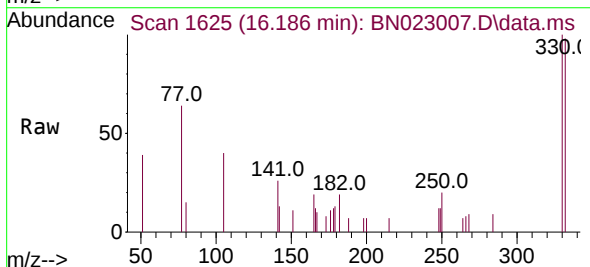
Manual Integrations
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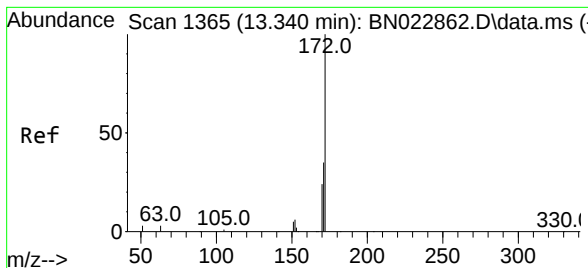
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#14
2,4,6-Tribromophenol
Concen: 0.246 ng
RT: 16.186 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

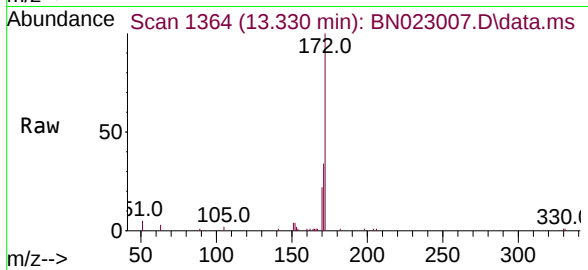
Tgt Ion:330 Resp: 991
Ion Ratio Lower Upper
330 100
332 97.3 76.5 114.7
141 44.1 32.6 48.8





#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 13.330 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

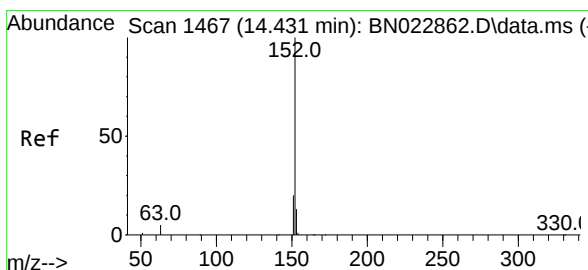
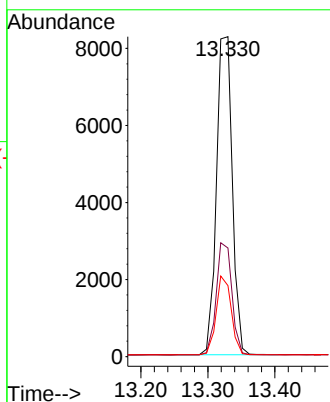
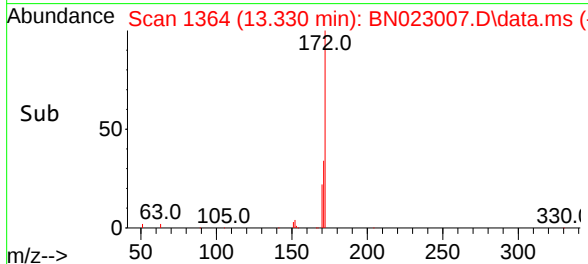
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ClientSampleId :
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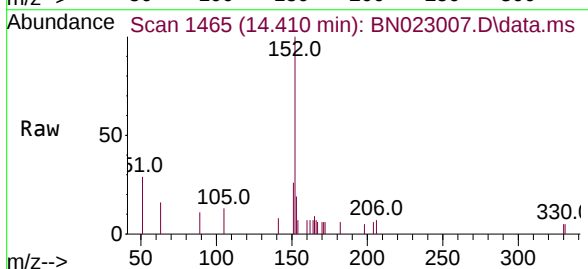
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Ion Ratio Lower Upper
172 100
171 33.9 28.2 42.4
170 22.2 19.3 28.9

Manual Integrations
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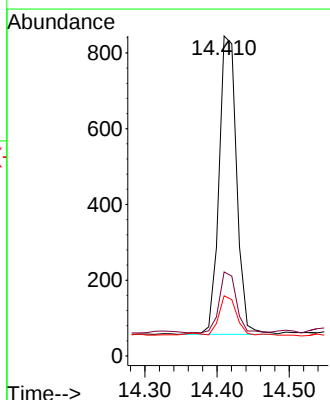
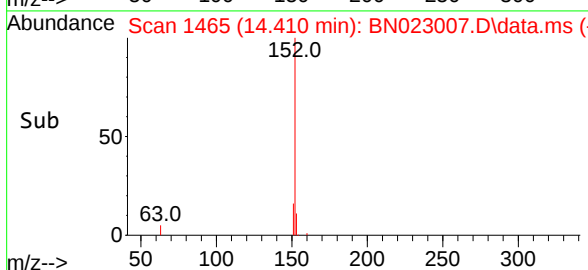
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022

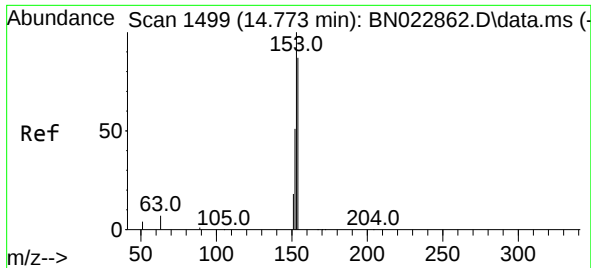


#16
Acenaphthylene
Concen: 0.030 ng
RT: 14.410 min Scan# 1465
Delta R.T. -0.010 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34



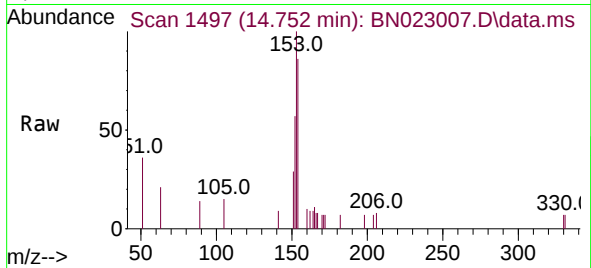
Tgt Ion:152 Resp: 1344
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 15.5 10.5 15.7





#17
Acenaphthene
Concen: 0.031 ng
RT: 14.752 min Scan# 1499
Delta R.T. -0.010 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

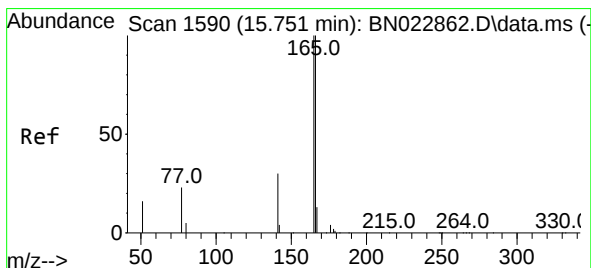
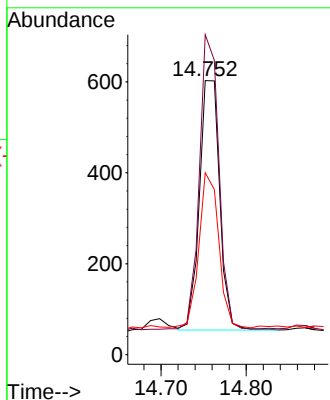
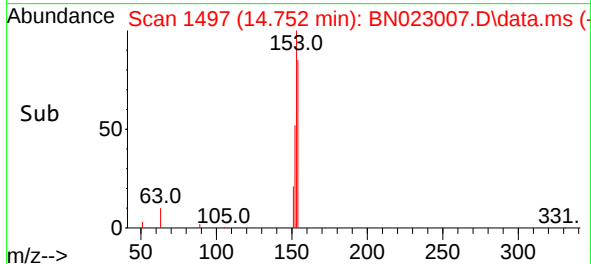
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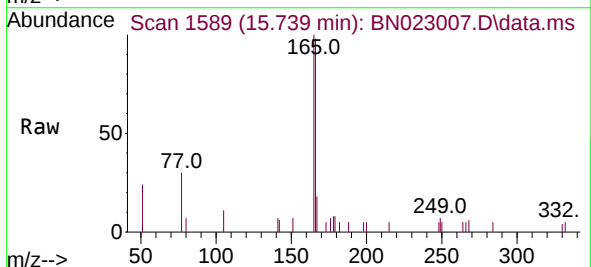
Tgt Ion:154 Resp: 911
Ion Ratio Lower Upper
154 100
153 112.8 90.0 135.0
152 60.4 47.0 70.6

Manual Integrations
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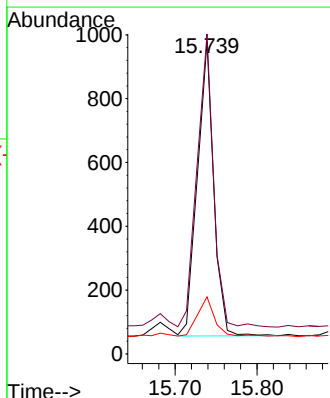
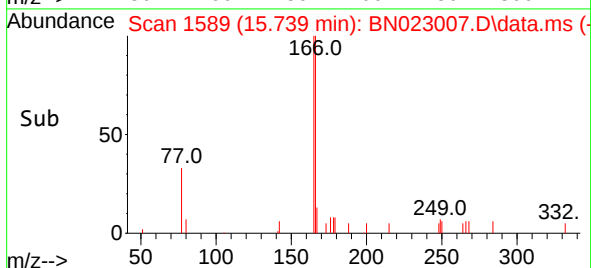
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022

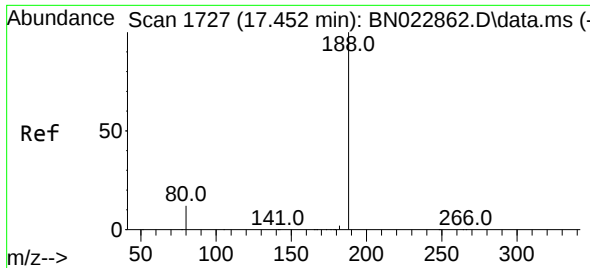


#18
Fluorene
Concen: 0.034 ng
RT: 15.739 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34



Tgt Ion:166 Resp: 1260
Ion Ratio Lower Upper
166 100
165 100.6 79.4 119.0
167 15.2 10.7 16.1





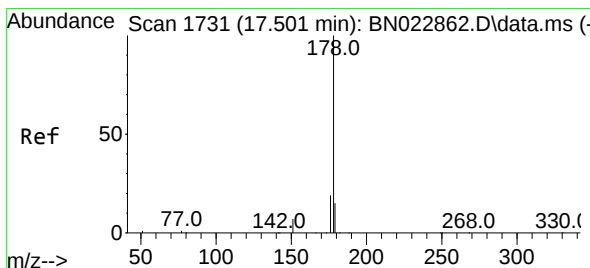
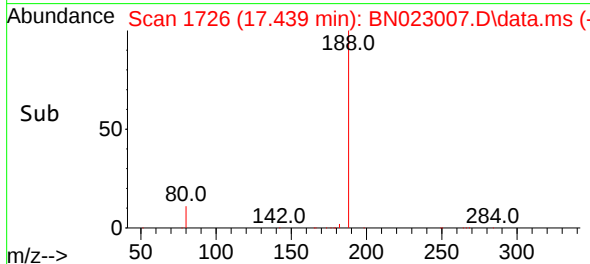
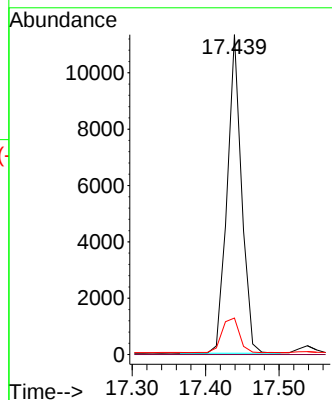
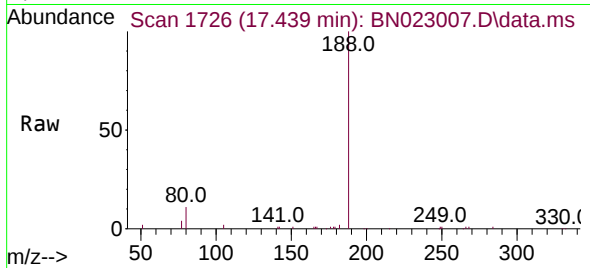
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.439 min Scan# 1726
Delta R.T. 0.000 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

Instrument :
BNA_N
ClientSampleId :
TT150S1-20221117

Tgt Ion:188 Resp: 15510
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 10.3 15.5

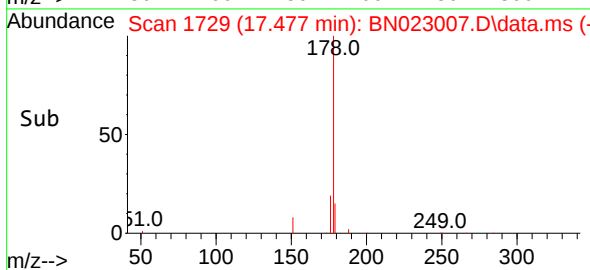
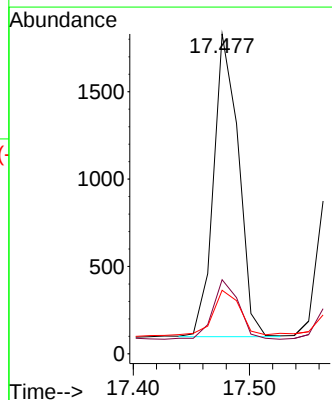
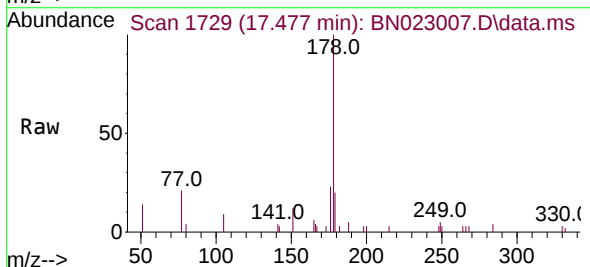
Manual Integrations
APPROVED

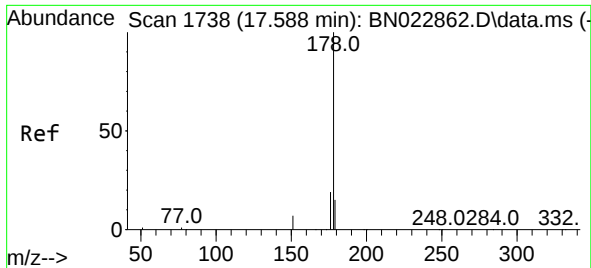
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#25
Phenanthrene
Concen: 0.048 ng m
RT: 17.477 min Scan# 1729
Delta R.T. -0.012 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

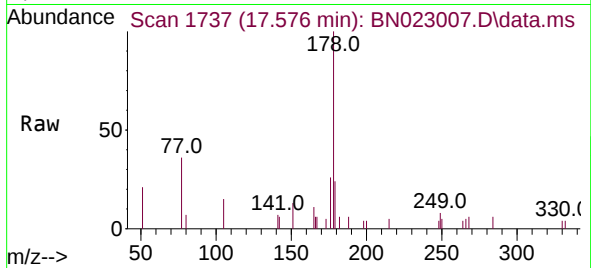
Tgt Ion:178 Resp: 2590
Ion Ratio Lower Upper
178 100
176 20.5 15.6 23.4
179 17.4 12.2 18.2





#26
 Anthracene
 Concen: 0.036 ng
 RT: 17.576 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN023007.D
 Acq: 01 Dec 2022 06:34

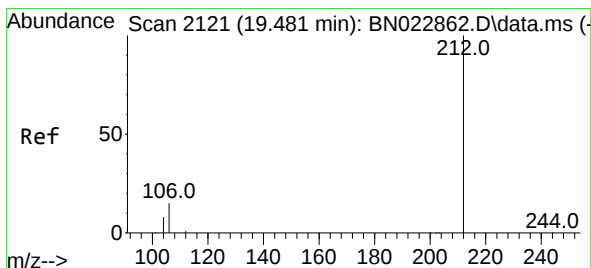
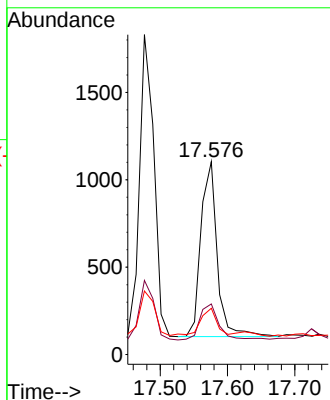
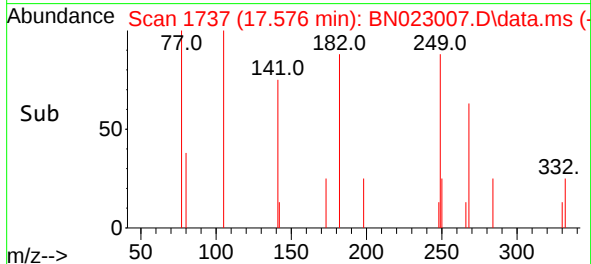
Instrument :
 BNA_N
 ClientSampleId :
 TT150S1-20221117



Tgt Ion:178 Resp: 1683
 Ion Ratio Lower Upper
 178 100
 176 24.5 15.2 22.8
 179 14.1 12.2 18.2

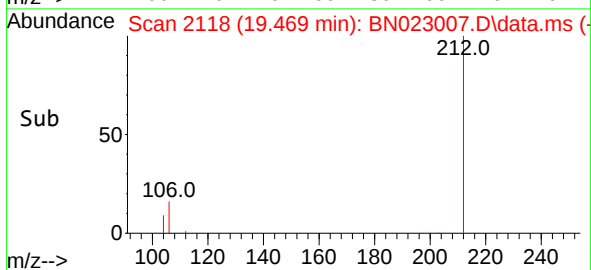
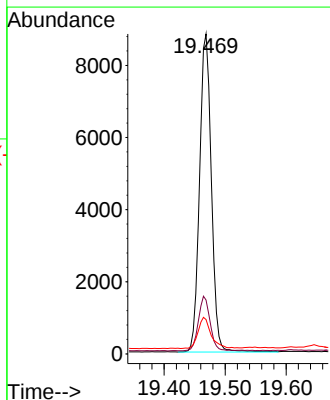
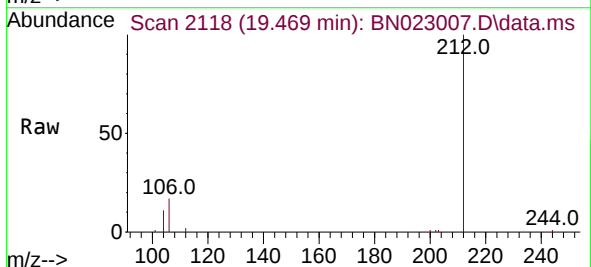
Manual Integrations
 APPROVED

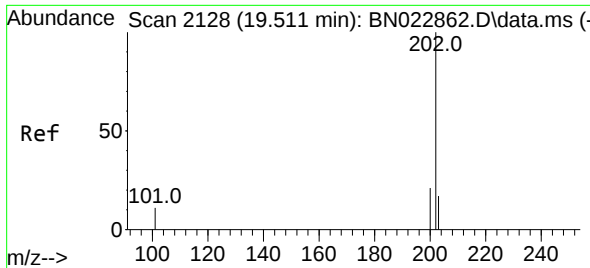
Reviewed By :Christian Giraldo 12/01/2022
 Supervised By :Jagrut Upadhyay 12/01/2022



#27
 Fluoranthene-d10
 Concen: 0.279 ng
 RT: 19.469 min Scan# 2118
 Delta R.T. -0.004 min
 Lab File: BN023007.D
 Acq: 01 Dec 2022 06:34

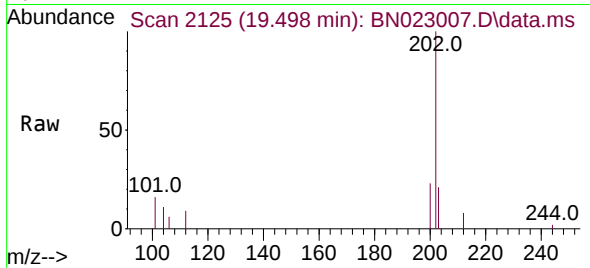
Tgt Ion:212 Resp: 11767
 Ion Ratio Lower Upper
 212 100
 106 16.9 12.3 18.5
 104 10.7 7.0 10.4





#28
Fluoranthene
Concen: 0.043 ng
RT: 19.498 min Scan# 2125
Delta R.T. -0.004 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

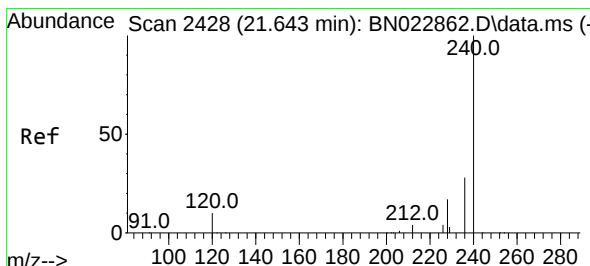
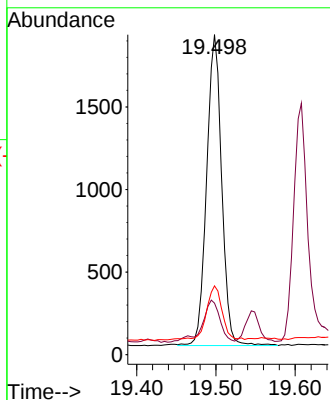
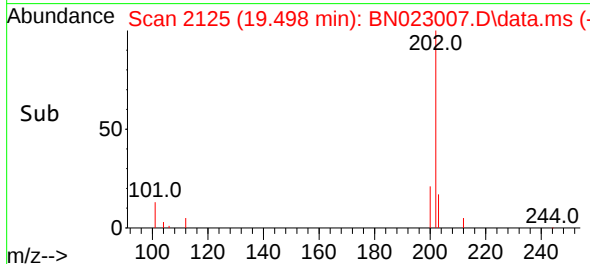
Instrument :
BNA_N
ClientSampleId :
TT150S1-20221117



Tgt Ion:202 Resp: 2488
Ion Ratio Lower Upper
202 100
101 13.4 9.3 13.9
203 18.0 13.7 20.5

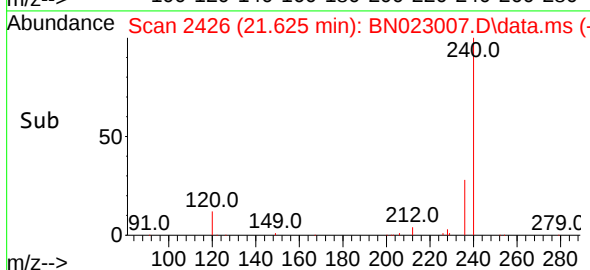
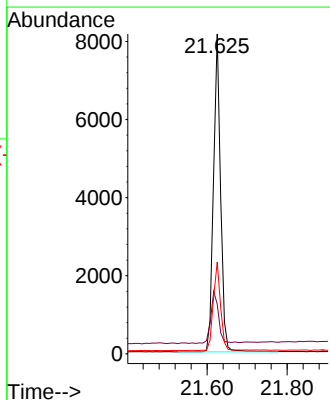
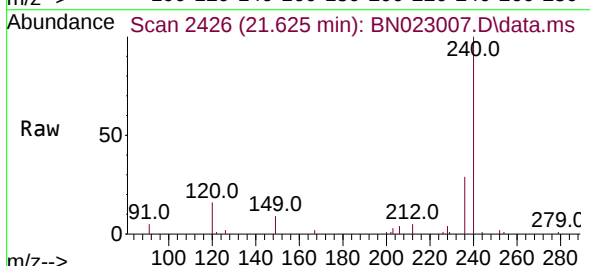
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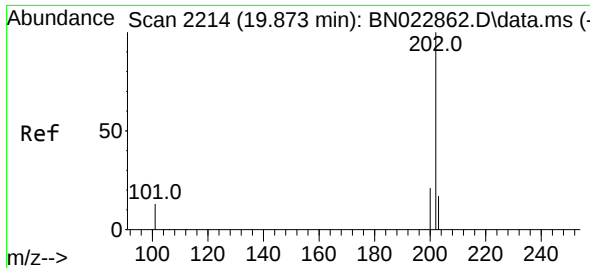
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.625 min Scan# 2426
Delta R.T. -0.004 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

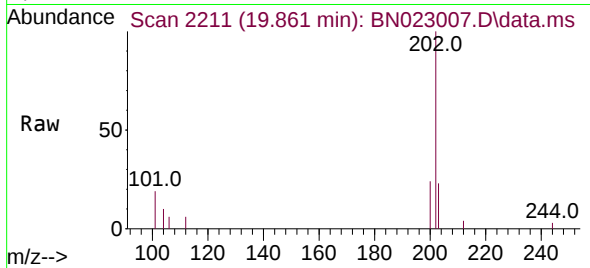
Tgt Ion:240 Resp: 10040
Ion Ratio Lower Upper
240 100
120 15.5 9.2 13.8#
236 28.7 22.6 34.0





#30
Pyrene
Concen: 0.049 ng
RT: 19.861 min Scan# 211
Delta R.T. -0.004 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

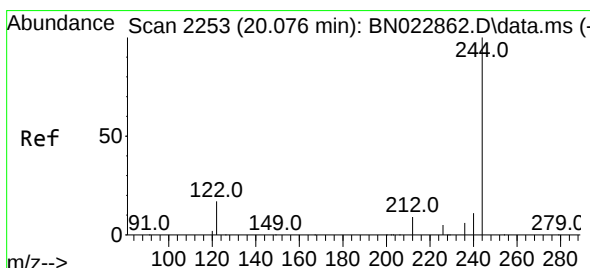
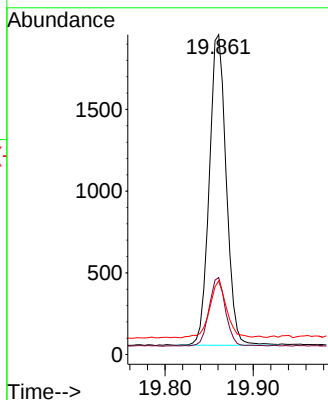
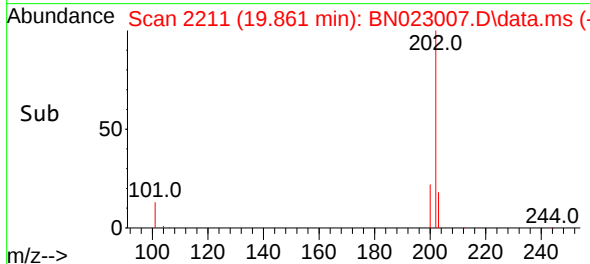
Instrument :
BNA_N
ClientSampleId :
TT150S1-20221117



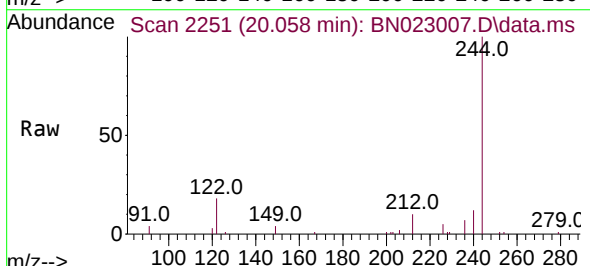
Tgt Ion:202 Resp: 2544
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.3 14.2 21.2

Manual Integrations
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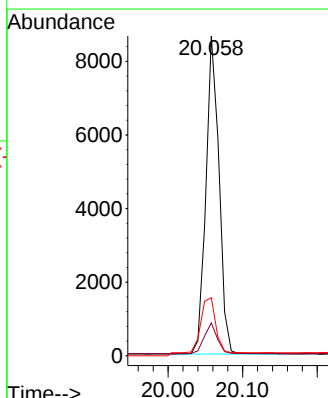
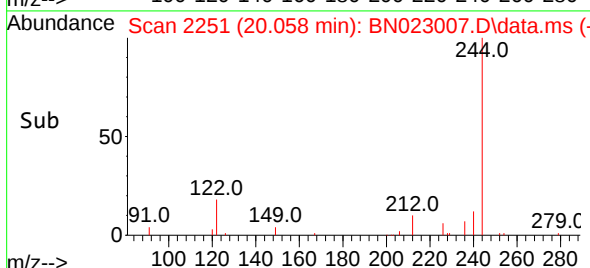
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022

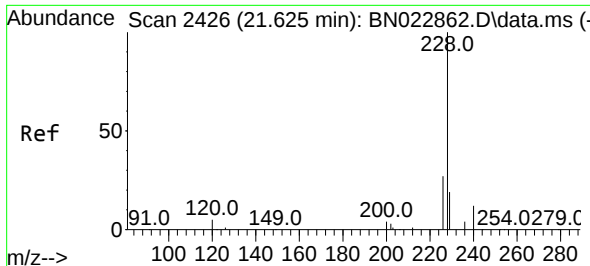


#31
Terphenyl-d14
Concen: 0.448 ng
RT: 20.058 min Scan# 2251
Delta R.T. -0.004 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34



Tgt Ion:244 Resp: 10562
Ion Ratio Lower Upper
244 100
212 10.3 7.9 11.9
122 18.2 13.9 20.9





#32

Benzo(a)anthracene

Concen: 0.044 ng

RT: 21.607 min Scan# 2426

Delta R.T. -0.004 min

Lab File: BN023007.D

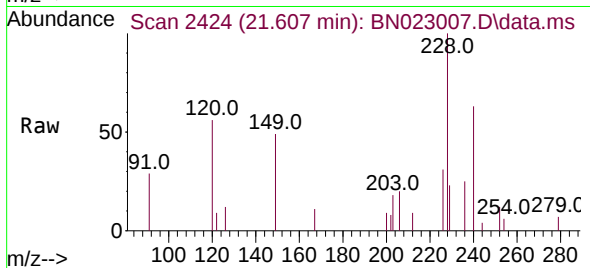
Acq: 01 Dec 2022 06:34

Instrument :

BNA_N

ClientSampleId :

TT150S1-20221117



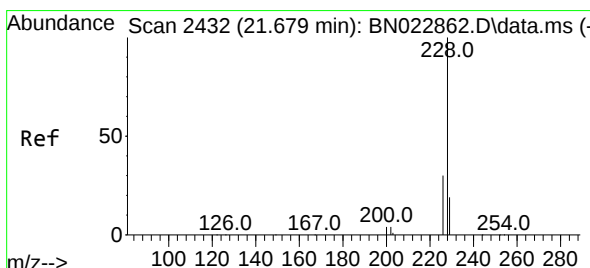
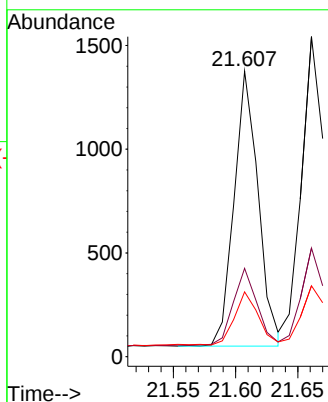
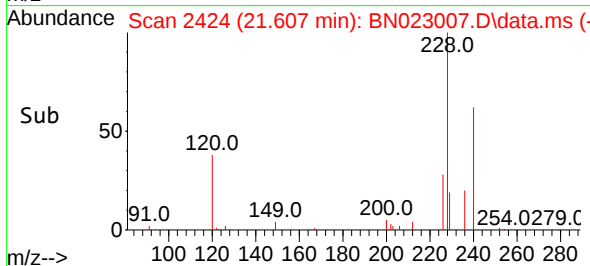
Tgt Ion:	228	Resp:	1784
Ion Ratio	Lower	Upper	
228	100		
226	30.9	22.1	33.1
229	22.7	15.8	23.6

Manual Integrations

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Reviewed By :Christian Giraldo 12/01/2022

Supervised By :Jagrut Upadhyay 12/01/2022



#33

Chrysene

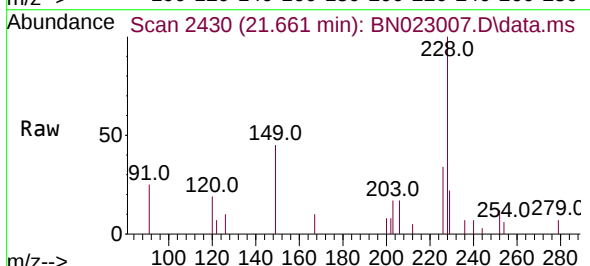
Concen: 0.047 ng

RT: 21.661 min Scan# 2430

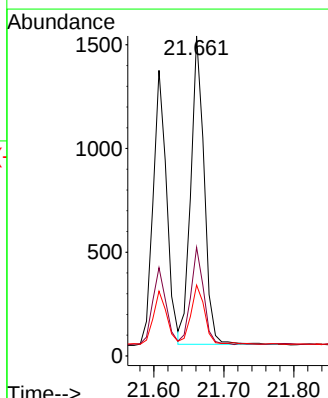
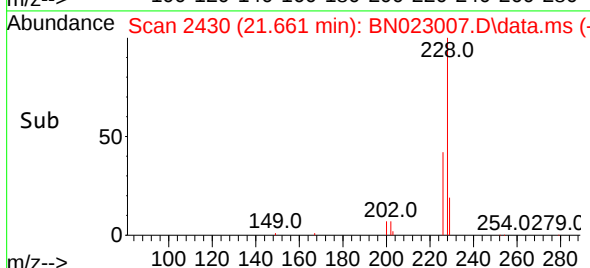
Delta R.T. -0.004 min

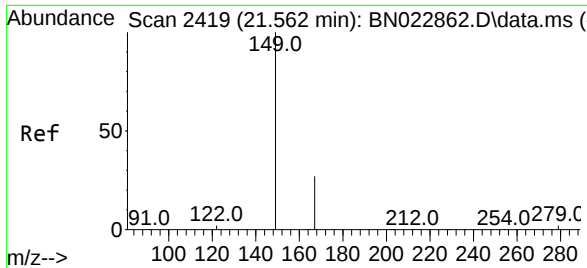
Lab File: BN023007.D

Acq: 01 Dec 2022 06:34



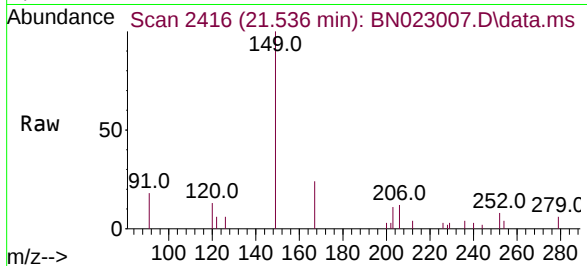
Tgt Ion:	228	Resp:	1971
Ion Ratio	Lower	Upper	
228	100		
226	34.0	24.5	36.7
229	22.2	15.8	23.6





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.136 ng
RT: 21.536 min Scan# 2416
Delta R.T. -0.004 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

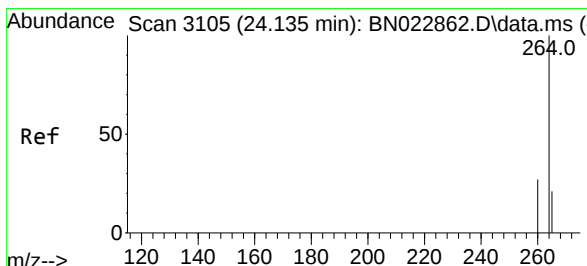
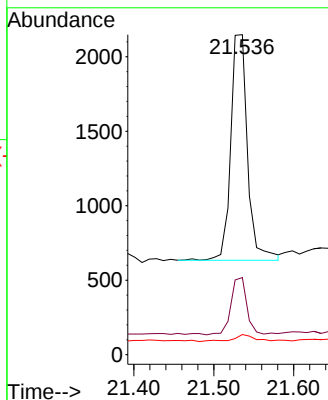
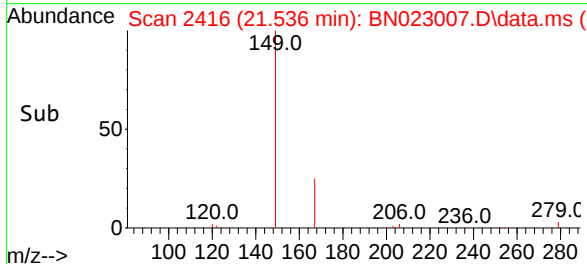
Instrument :
BNA_N
ClientSampleId :
TT150S1-20221117



Tgt Ion:149 Resp: 2209
Ion Ratio Lower Upper
149 100
167 24.5 21.3 31.9
279 4.5 2.3 3.5

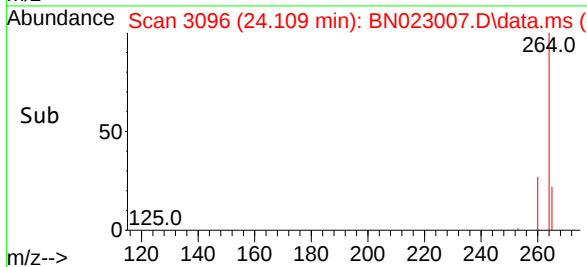
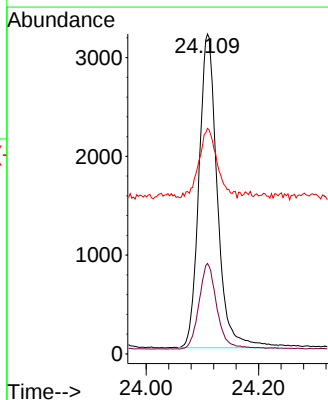
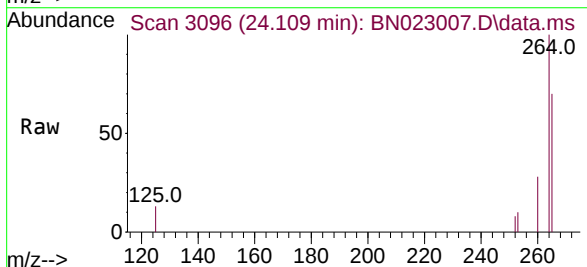
Manual Integrations
APPROVED

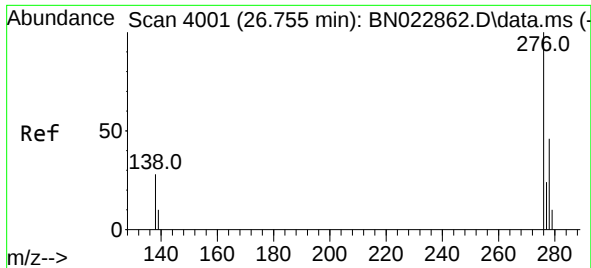
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.109 min Scan# 3096
Delta R.T. -0.004 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

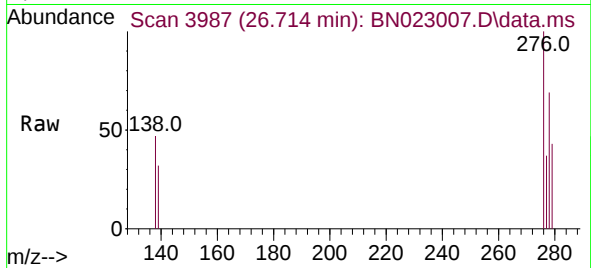
Tgt Ion:264 Resp: 7209
Ion Ratio Lower Upper
264 100
260 28.3 21.7 32.5
265 70.5 31.0 46.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.044 ng m
RT: 26.714 min Scan# 3987
Delta R.T. -0.004 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

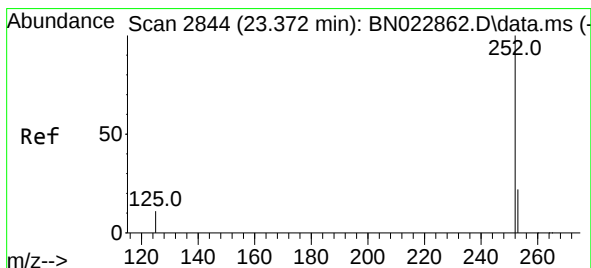
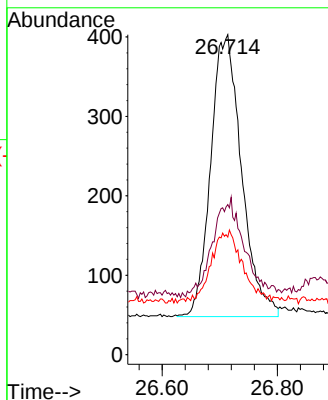
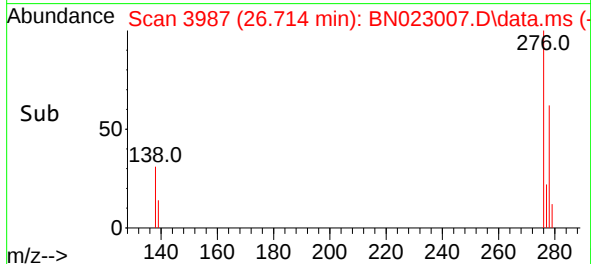
Instrument :
BNA_N
ClientSampleId :
TT150S1-20221117



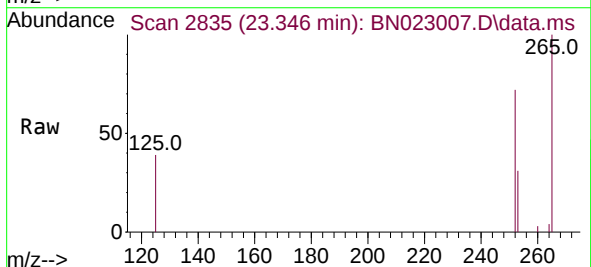
Tgt Ion:276 Resp: 1318
Ion Ratio Lower Upper
276 100
138 11.3 24.4 36.6#
277 11.2 19.9 29.9#

Manual Integrations
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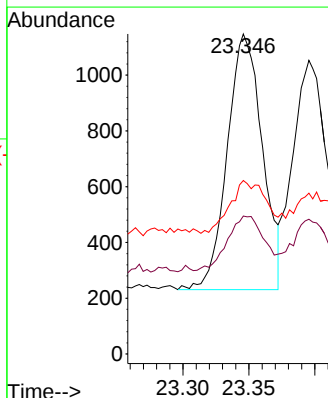
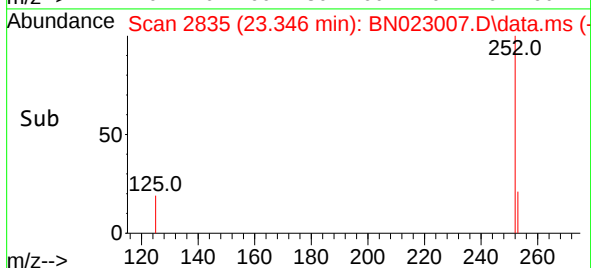
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022

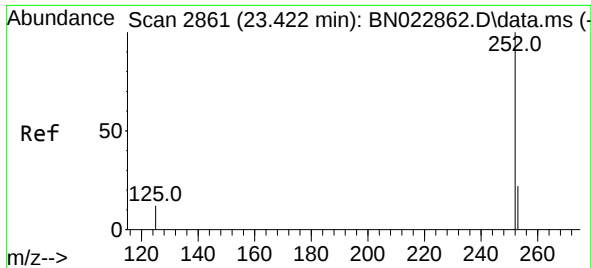


#37
Benzo(b)fluoranthene
Concen: 0.053 ng
RT: 23.346 min Scan# 2835
Delta R.T. -0.004 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34



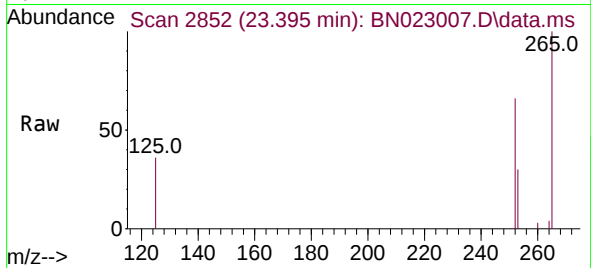
Tgt Ion:252 Resp: 1698
Ion Ratio Lower Upper
252 100
253 43.1 18.5 27.7#
125 54.2 10.8 16.2#





#38
Benzo(k)fluoranthene
Concen: 0.040 ng
RT: 23.395 min Scan# 2861
Delta R.T. -0.004 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

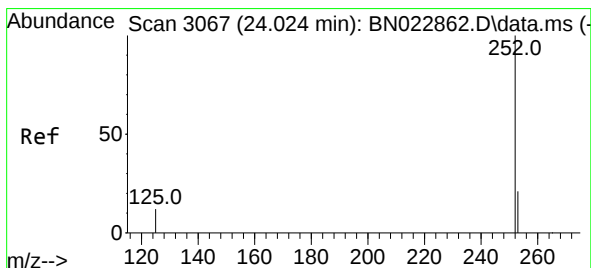
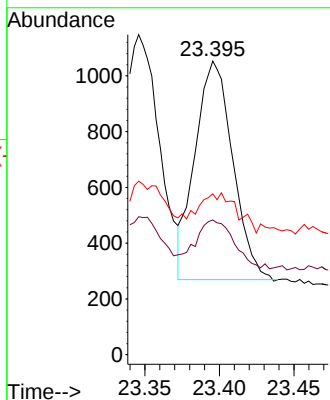
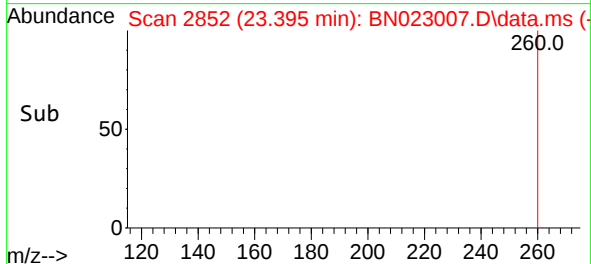
Instrument :
BNA_N
ClientSampleId :
TT150S1-20221117



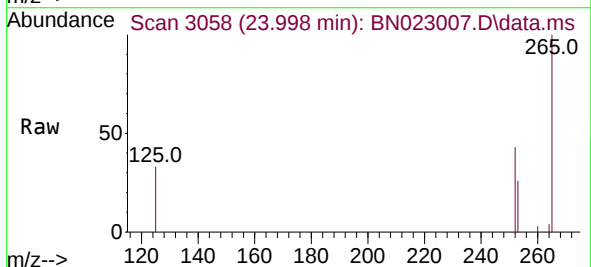
Tgt Ion:252 Resp: 1385
Ion Ratio Lower Upper
252 100
253 45.9 18.6 27.8#
125 54.8 11.0 16.4#

Manual Integrations
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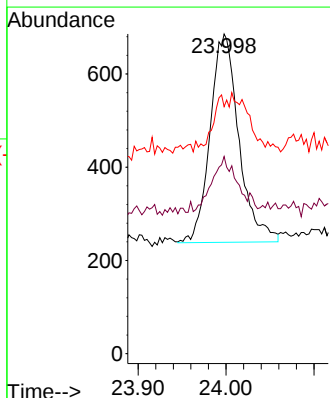
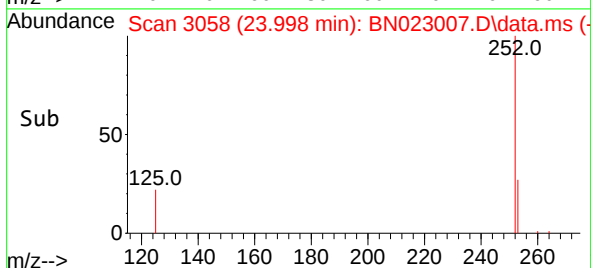
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022

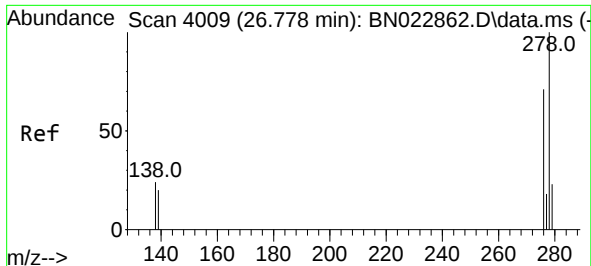


#39
Benzo(a)pyrene
Concen: 0.041 ng
RT: 23.998 min Scan# 3058
Delta R.T. -0.004 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34



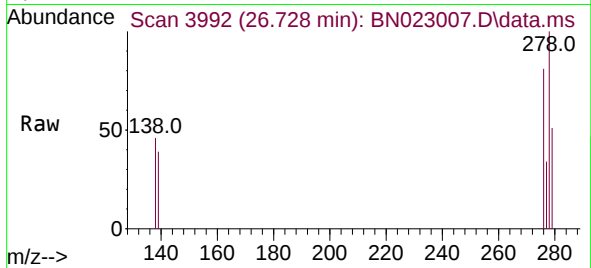
Tgt Ion:252 Resp: 1016
Ion Ratio Lower Upper
252 100
253 61.7 19.2 28.8#
125 77.3 12.7 19.1#





#40
Dibenzo(a,h)anthracene
Concen: 0.045 ng
RT: 26.728 min Scan# 3992
Delta R.T. -0.010 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

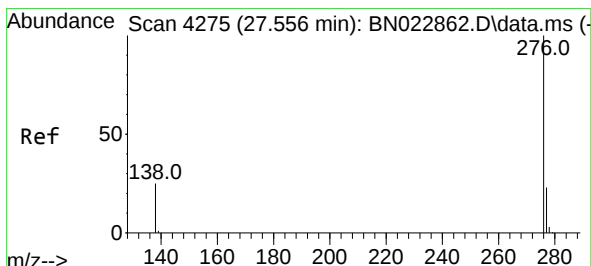
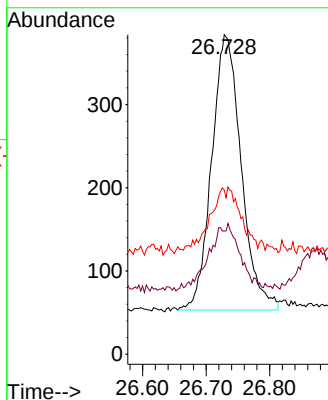
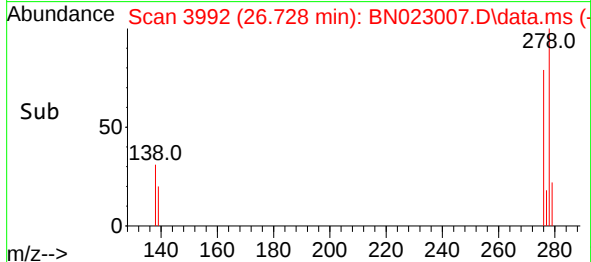
Instrument :
BNA_N
ClientSampleId :
TT150S1-20221117



Tgt Ion:278 Resp: 1070
Ion Ratio Lower Upper
278 100
139 38.5 17.4 26.0#
279 51.3 20.0 30.0#

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#41
Benzo(g,h,i)perylene
Concen: 0.045 ng
RT: 27.506 min Scan# 4258
Delta R.T. -0.007 min
Lab File: BN023007.D
Acq: 01 Dec 2022 06:34

Tgt Ion:276 Resp: 1158
Ion Ratio Lower Upper
276 100
277 39.4 19.7 29.5#
138 45.1 21.4 32.2#

