

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
 Data File : BN022502.D
 Acq On : 04 Nov 2022 07:35
 Operator : CG/JU
 Sample : N5395-06DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-5-103122DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/04/2022
 Supervised By : Sohil Jodhani 11/04/2022

Quant Time: Nov 04 08:09:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 03:28:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	2747	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	14388	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	8832	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	18647	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	13955	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	10541	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.450	112	1352	0.174	ng	0.00
5) Phenol-d6	7.083	99	1453	0.149	ng	0.00
8) Nitrobenzene-d5	9.086	82	971m	0.075	ng	-0.02
11) 2-Methylnaphthalene-d10	12.338	152	1983	0.082	ng	-0.01
14) 2,4,6-Tribromophenol	16.096	330	439	0.095	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	3154	0.086	ng	-0.01
27) Fluoranthene-d10	19.386	212	3205	0.063	ng	0.00
31) Terphenyl-d14	19.985	244	3051	0.070	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.335	93	509	0.058	ng	95
9) Naphthalene	10.795	128	40521	0.930	ng	97
16) Acenaphthylene	14.311	152	14276	0.318	ng	98
17) Acenaphthene	14.653	154	6286	0.218	ng	98
18) Fluorene	15.637	166	12658	0.313	ng	# 98
25) Phenanthrene	17.387	178	120181	1.928	ng	100
26) Anthracene	17.474	178	34714	0.633	ng	99
28) Fluoranthene	19.416	202	190485	2.836	ng	100
30) Pyrene	19.782	202	187420	3.111	ng	97
32) Benzo(a)anthracene	21.537	228	76586	1.365	ng	97
33) Chrysene	21.591	228	77428m	1.393	ng	
34) Bis(2-ethylhexyl)phtha...	21.457	149	7590	0.161	ng	92
36) Indeno(1,2,3-cd)pyrene	26.563	276	29103	0.573	ng	95
37) Benzo(b)fluoranthene	23.254	252	82671	1.995	ng	96
38) Benzo(k)fluoranthene	23.298	252	25119m	0.594	ng	
39) Benzo(a)pyrene	23.891	252	55133	1.553	ng	93
40) Dibenzo(a,h)anthracene	26.578	278	7512	0.186	ng	# 76
41) Benzo(g,h,i)perylene	27.362	276	28163	0.657	ng	98

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

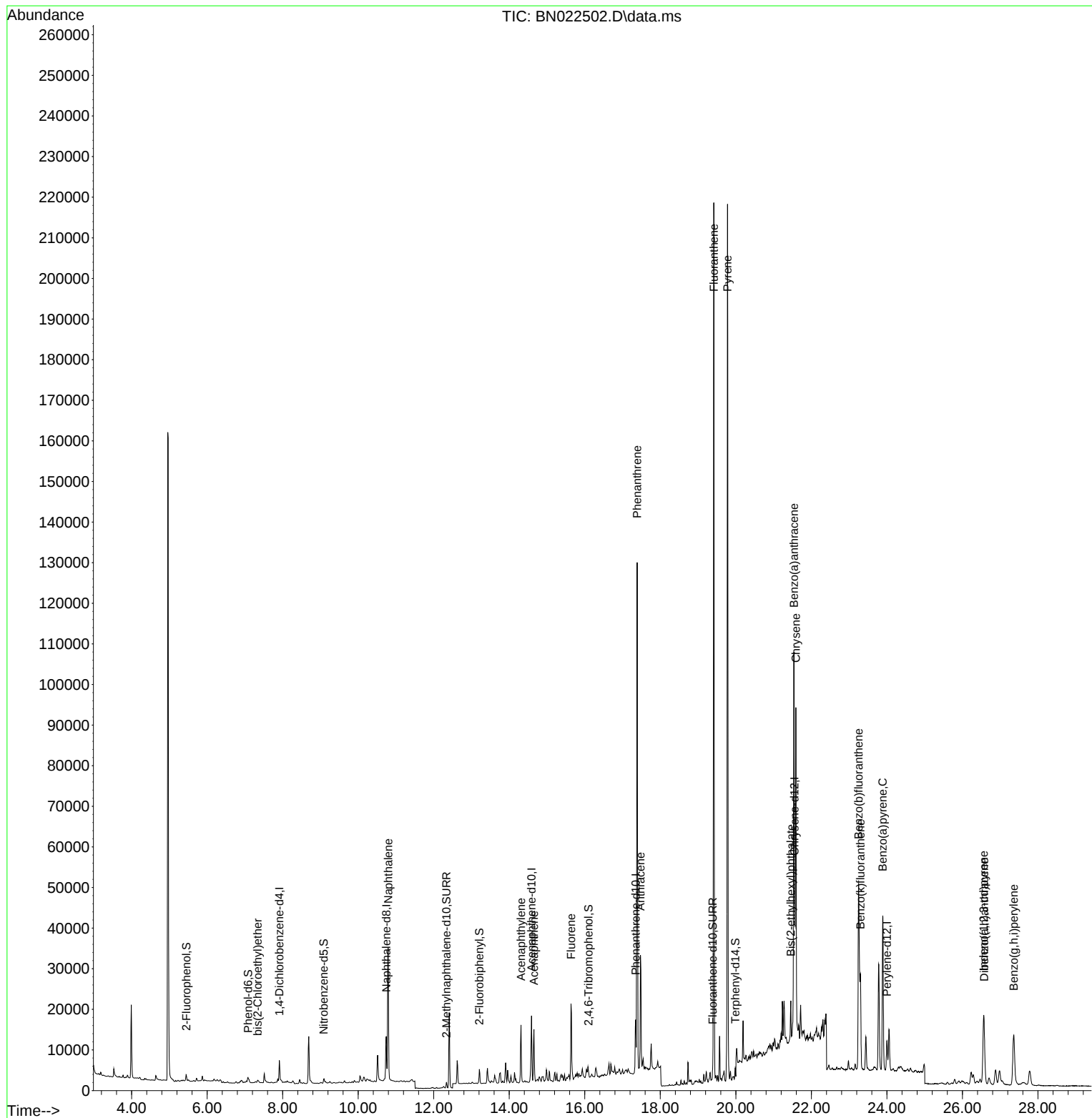
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
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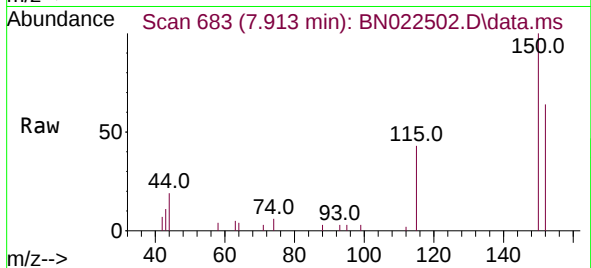
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 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.913 min Scan# 684
 Delta R.T. -0.007 min
 Lab File: BN022502.D
 Acq: 04 Nov 2022 07:35

Instrument :

BNA_N

ClientSampleId :

S-5-103122DL

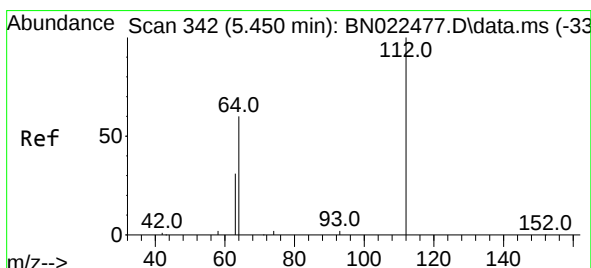
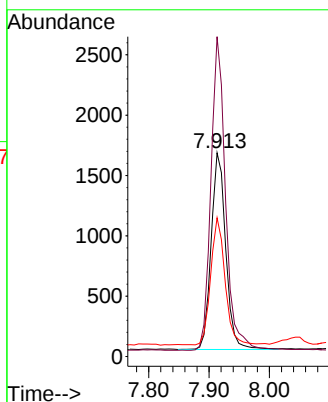
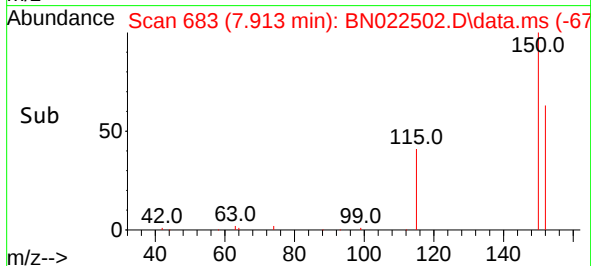


Tgt Ion:152 Resp: 274
 Ion Ratio Lower Upper
 152 100
 150 157.0 123.4 185.2
 115 68.1 54.9 82.3

Manual Integrations

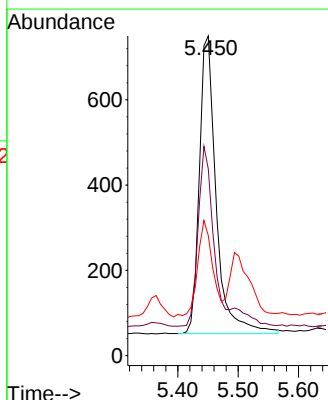
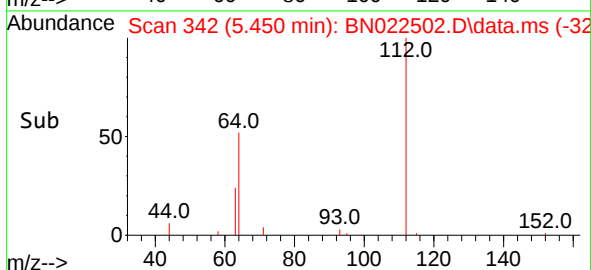
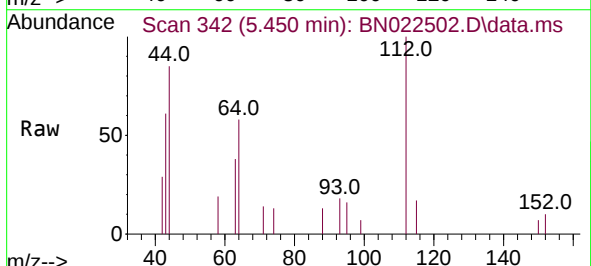
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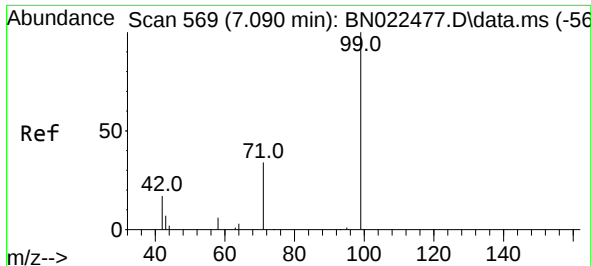
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#4
 2-Fluorophenol
 Concen: 0.174 ng
 RT: 5.450 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: BN022502.D
 Acq: 04 Nov 2022 07:35

Tgt Ion:112 Resp: 1352
 Ion Ratio Lower Upper
 112 100
 64 61.2 47.1 70.7
 63 29.0 24.6 36.8





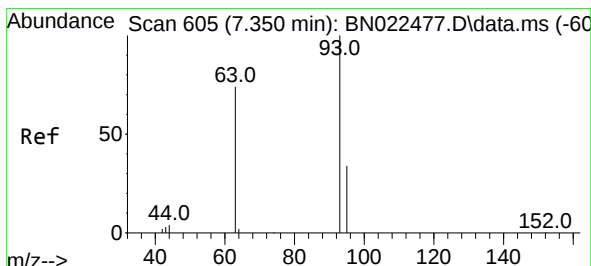
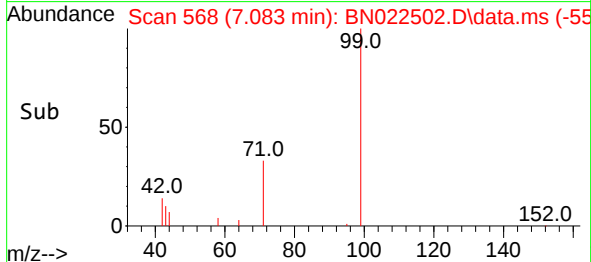
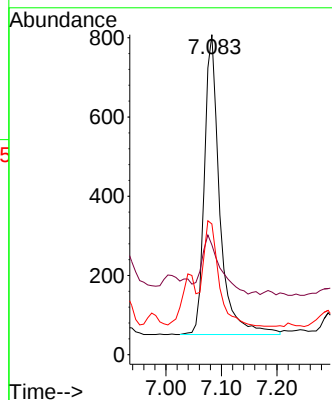
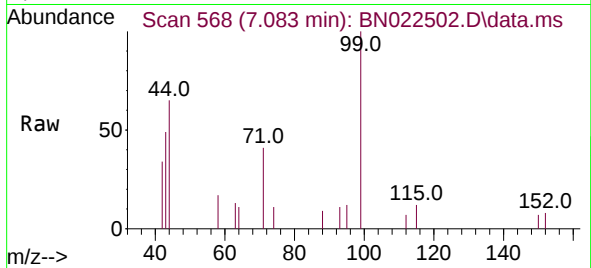
#5
Phenol-d6
Concen: 0.149 ng
RT: 7.083 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

Instrument :
BNA_N
ClientSampleId :
S-5-103122DL

Tgt Ion: 99 Resp: 1453
Ion Ratio Lower Upper
99 100
42 23.3 14.7 22.1
71 36.5 27.0 40.6

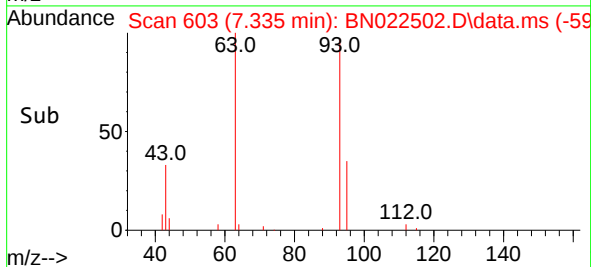
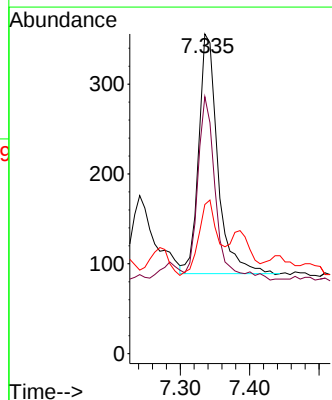
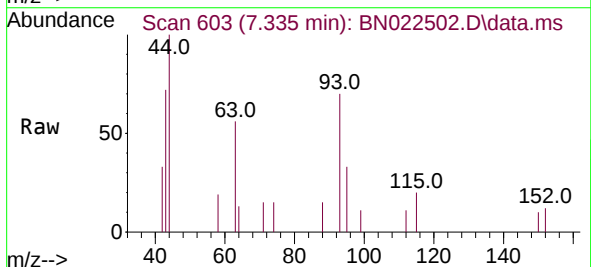
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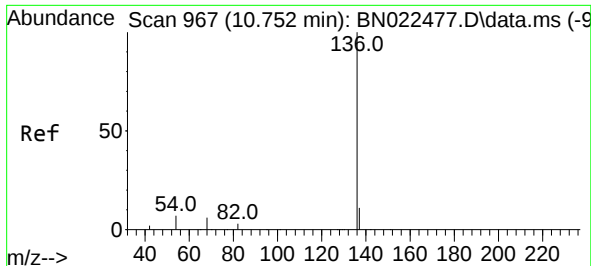
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.058 ng
RT: 7.335 min Scan# 603
Delta R.T. -0.014 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

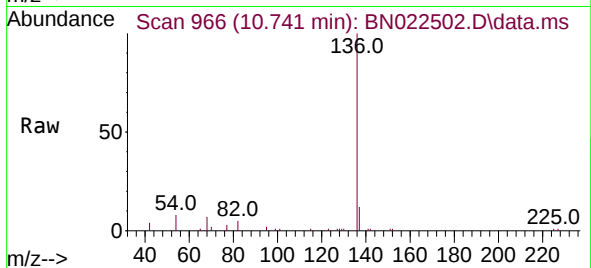
Tgt Ion: 93 Resp: 509
Ion Ratio Lower Upper
93 100
63 70.3 61.2 91.8
95 31.4 25.7 38.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 967
Delta R.T. -0.011 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

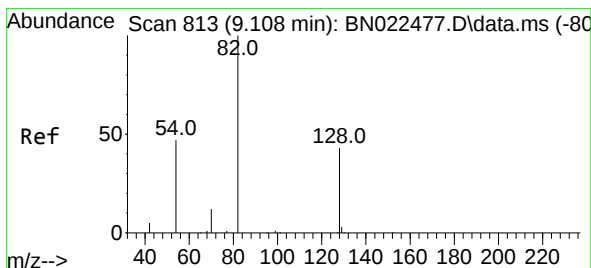
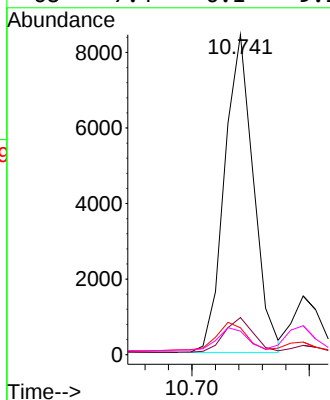
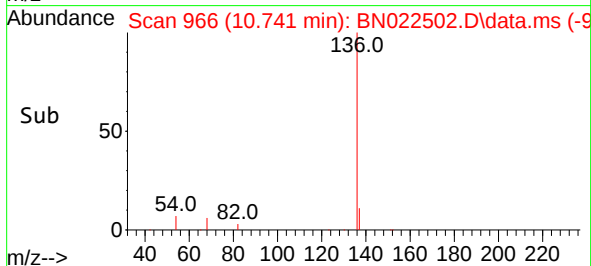
Instrument :
BNA_N
ClientSampleId :
S-5-103122DL



Tgt Ion: 136 Resp: 14388
Ion Ratio Lower Upper
136 100
137 11.6 9.5 14.3
54 8.4 7.1 10.7
68 7.4 6.1 9.1

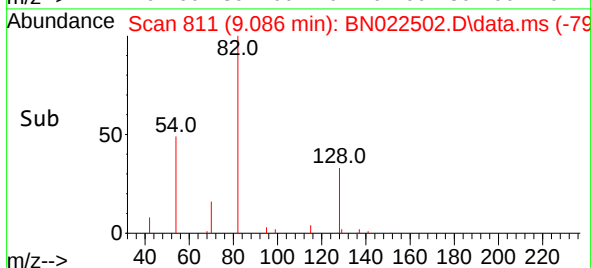
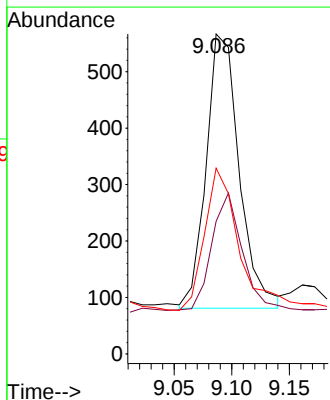
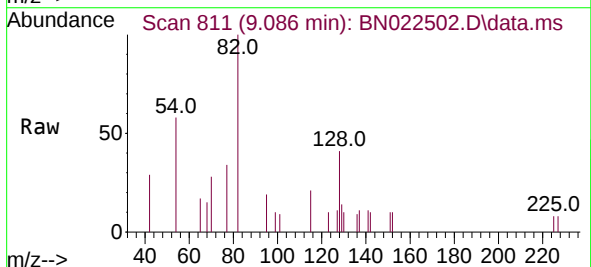
Manual Integrations
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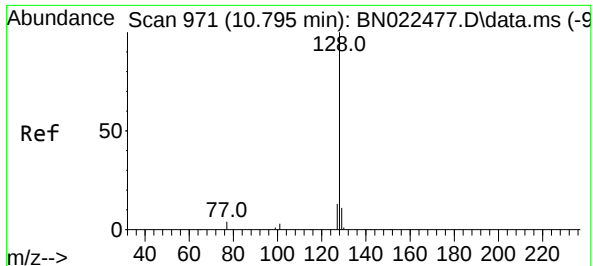
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#8
Nitrobenzene-d5
Concen: 0.075 ng m
RT: 9.086 min Scan# 811
Delta R.T. -0.021 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

Tgt Ion: 82 Resp: 971
Ion Ratio Lower Upper
82 100
128 41.4 37.3 55.9
54 58.0 40.0 60.0





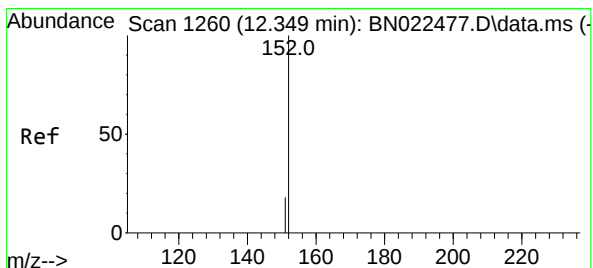
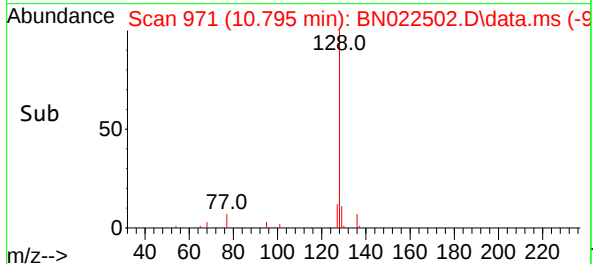
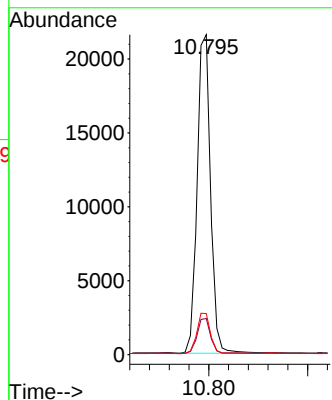
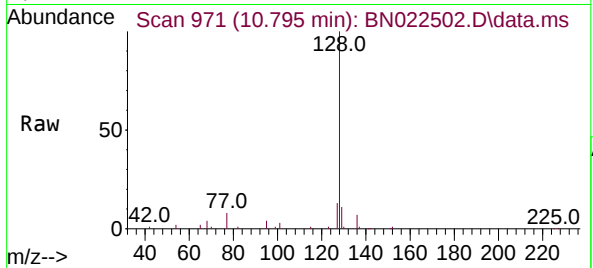
#9
Naphthalene
Concen: 0.930 ng
RT: 10.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

Instrument :
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ClientSampleId :
S-5-103122DL

Tgt Ion:128 Resp: 4052
Ion Ratio Lower Upper
128 100
129 11.3 9.8 14.6
127 12.8 11.4 17.2

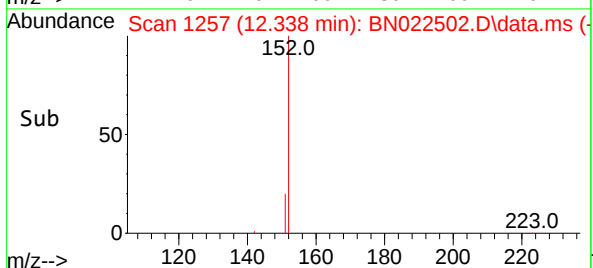
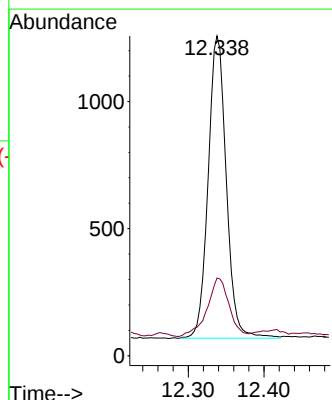
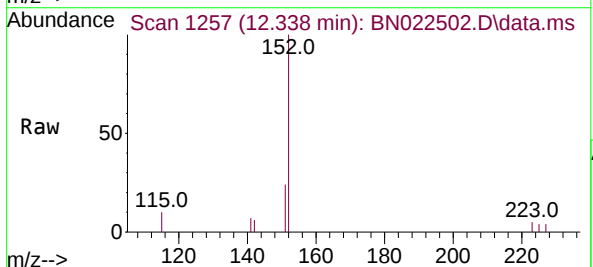
Manual Integrations
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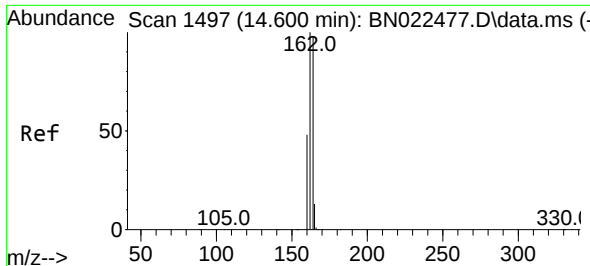
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#11
2-Methylnaphthalene-d10
Concen: 0.082 ng
RT: 12.338 min Scan# 1257
Delta R.T. -0.011 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

Tgt Ion:152 Resp: 1983
Ion Ratio Lower Upper
152 100
151 23.5 16.6 25.0





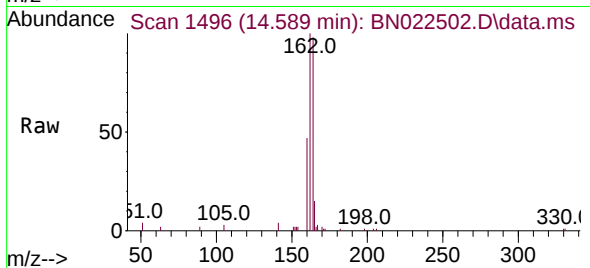
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

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BNA_N

ClientSampleId :

S-5-103122DL

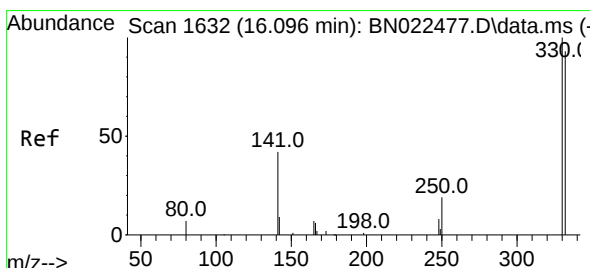
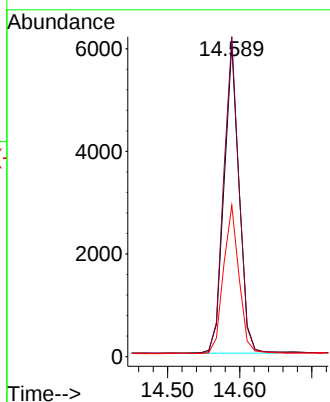
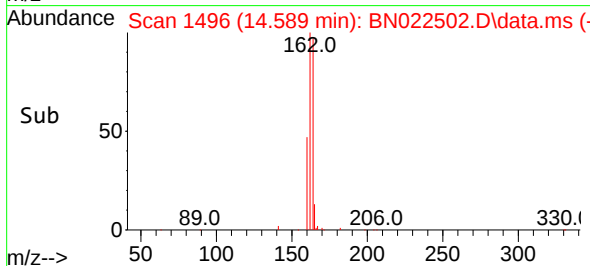


Tgt Ion:164 Resp: 8832
Ion Ratio Lower Upper
164 100
162 102.5 82.0 123.0
160 48.5 39.4 59.2

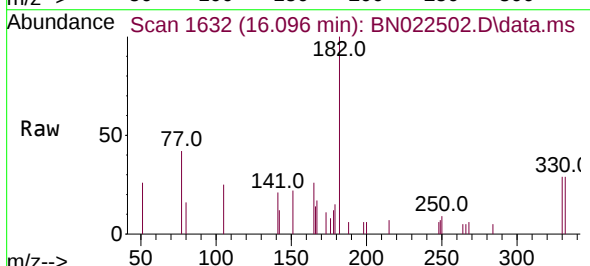
Manual Integrations

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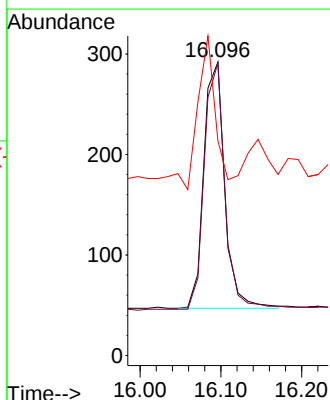
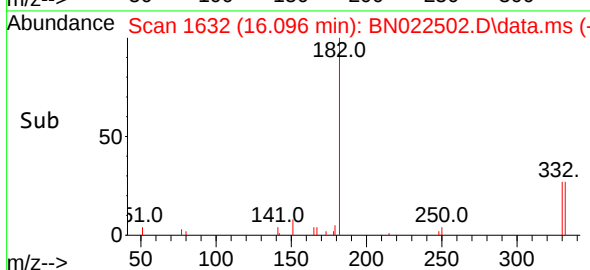
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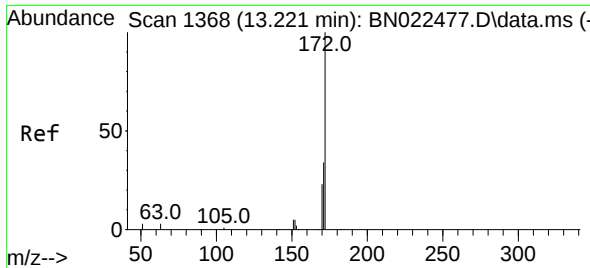


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2,4,6-Tribromophenol
Concen: 0.095 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35



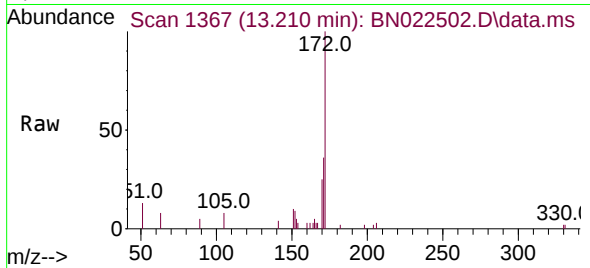
Tgt Ion:330 Resp: 439
Ion Ratio Lower Upper
330 100
332 99.1 77.8 116.8
141 43.3 35.0 52.6





#15
2-Fluorobiphenyl
Concen: 0.086 ng
RT: 13.210 min Scan# 1368
Delta R.T. -0.011 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

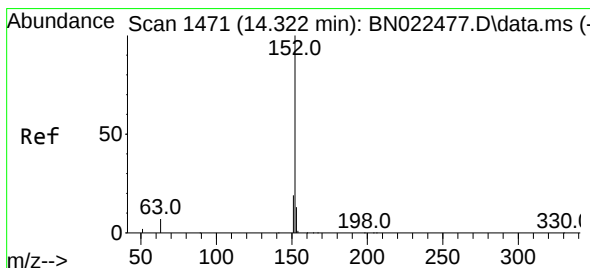
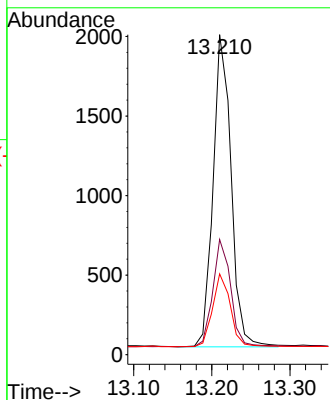
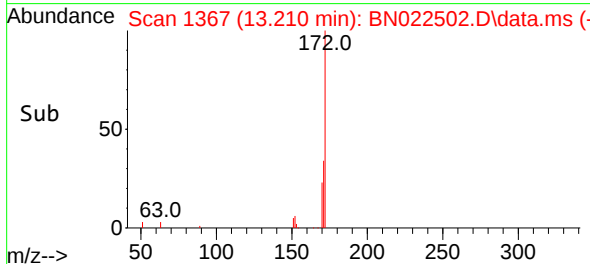
Instrument :
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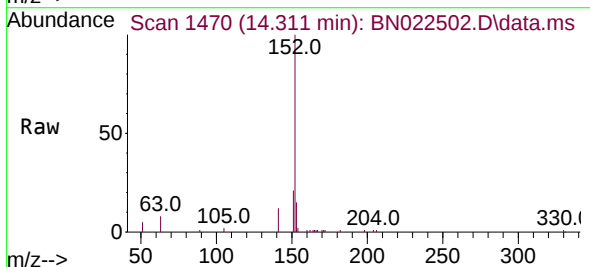
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Ion Ratio Lower Upper
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171 36.0 27.9 41.9
170 25.2 19.2 28.8

Manual Integrations
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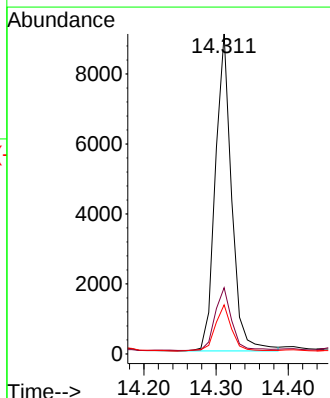
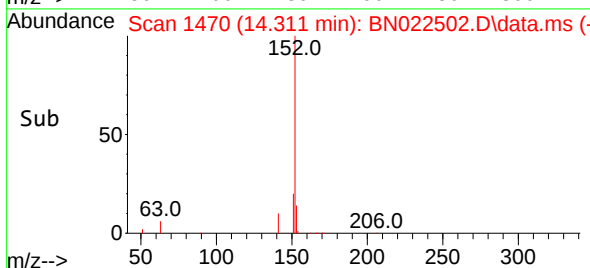
Reviewed By :Christian Giraldo 11/04/2022
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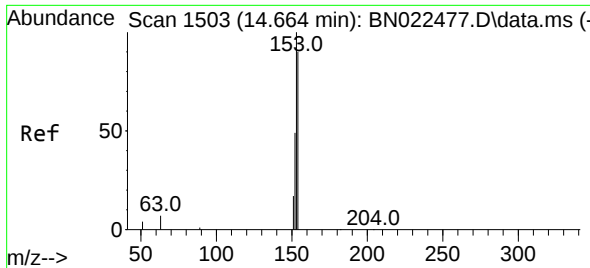


#16
Acenaphthylene
Concen: 0.318 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35



Tgt Ion:152 Resp: 14276
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.6
153 14.6 10.3 15.5





#17
Acenaphthene
Concen: 0.218 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

Instrument :

BNA_N

ClientSampleId :

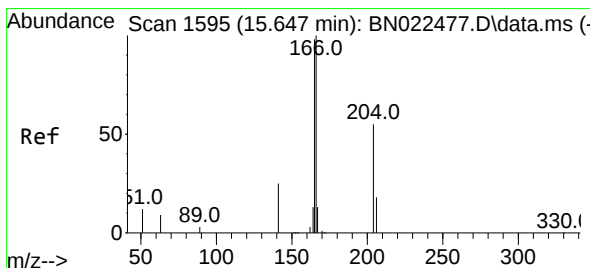
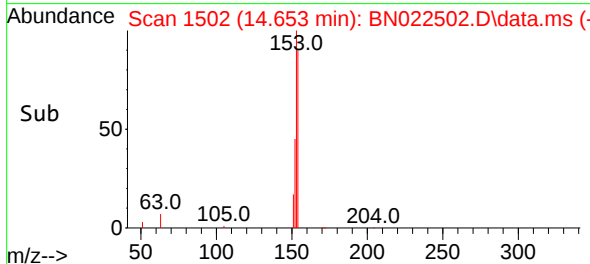
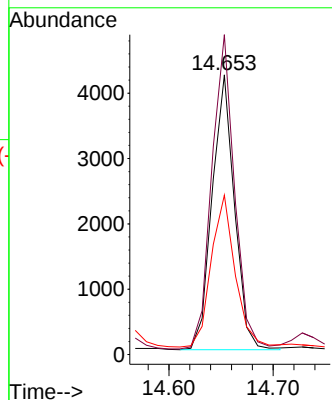
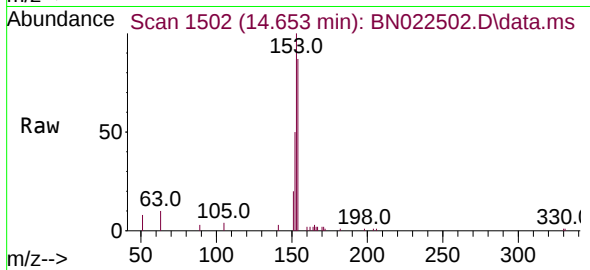
S-5-103122DL

Tgt Ion:154 Resp: 6286
Ion Ratio Lower Upper
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153 115.9 91.8 137.8
152 59.0 45.7 68.5

Manual Integrations

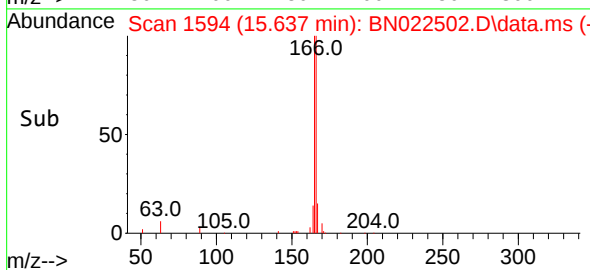
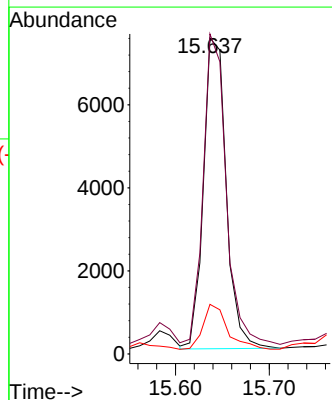
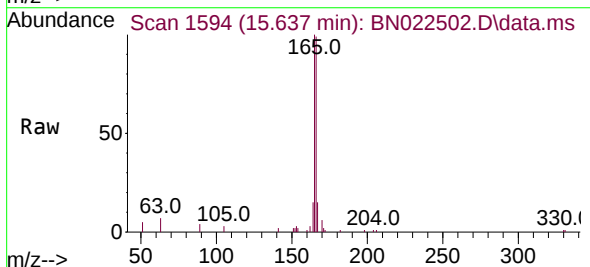
APPROVED

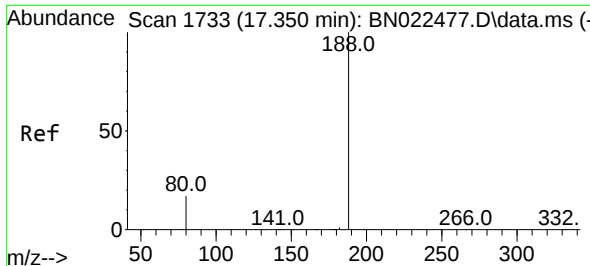
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#18
Fluorene
Concen: 0.313 ng
RT: 15.637 min Scan# 1594
Delta R.T. -0.011 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

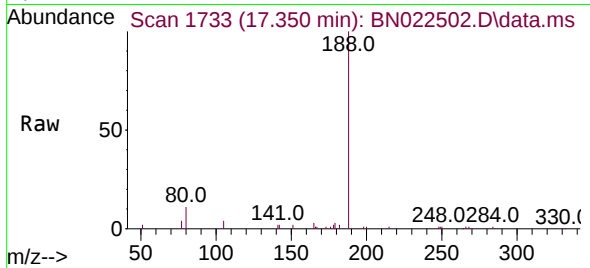
Tgt Ion:166 Resp: 12658
Ion Ratio Lower Upper
166 100
165 100.2 78.7 118.1
167 15.7 10.2 15.2#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

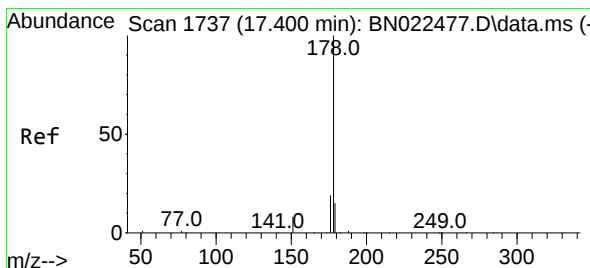
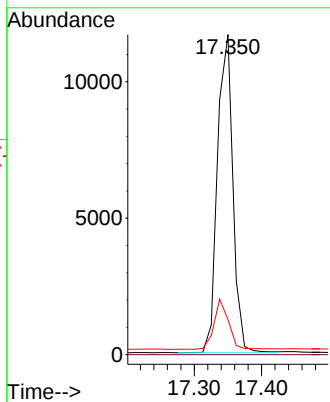
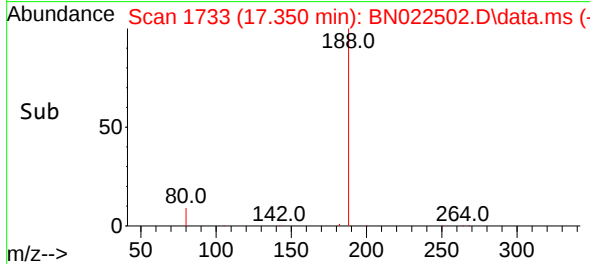
Instrument :
BNA_N
ClientSampleId :
S-5-103122DL



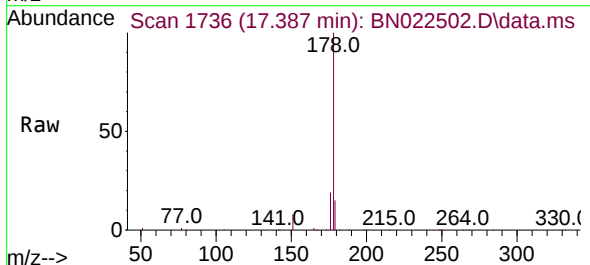
Tgt Ion:188 Resp: 1864
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 14.6 21.8

Manual Integrations
APPROVED

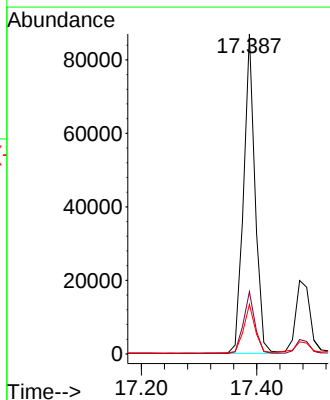
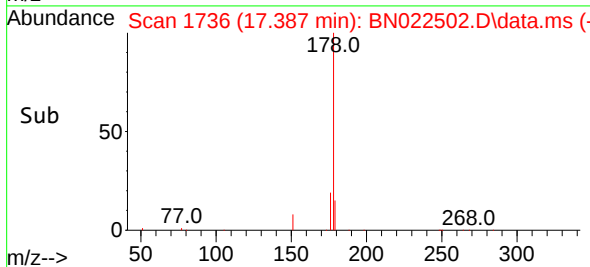
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

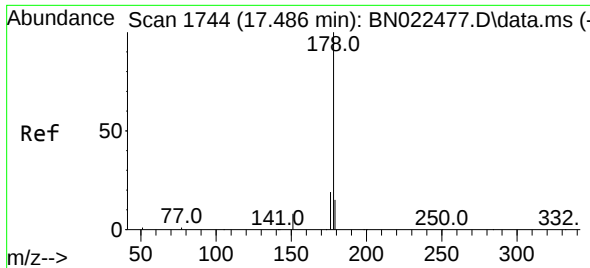


#25
Phenanthrene
Concen: 1.928 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35



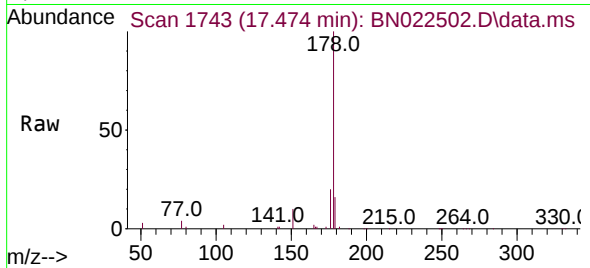
Tgt Ion:178 Resp: 120181
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.7 12.2 18.4





#26
 Anthracene
 Concen: 0.633 ng
 RT: 17.474 min Scan# 1743
 Delta R.T. -0.012 min
 Lab File: BN022502.D
 Acq: 04 Nov 2022 07:35

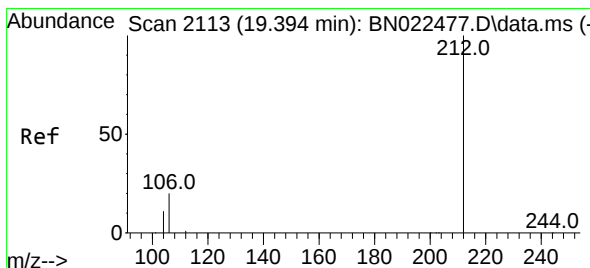
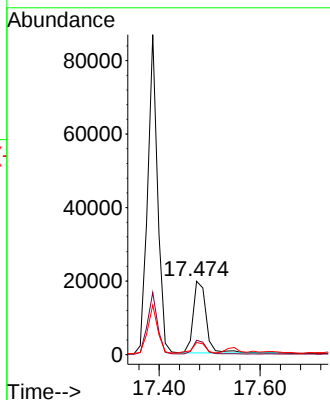
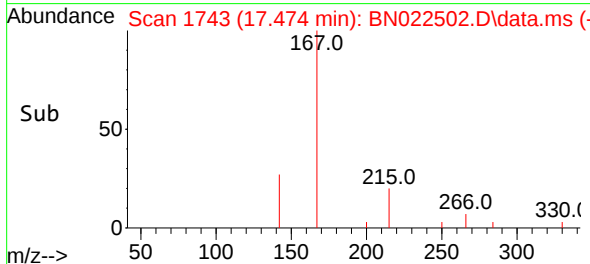
Instrument :
 BNA_N
 ClientSampleId :
 S-5-103122DL



Tgt Ion:178 Resp: 34714
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.8 22.2
 179 15.0 12.2 18.2

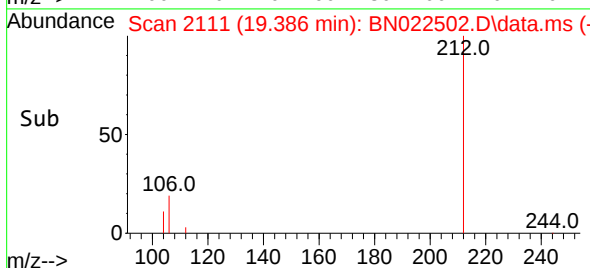
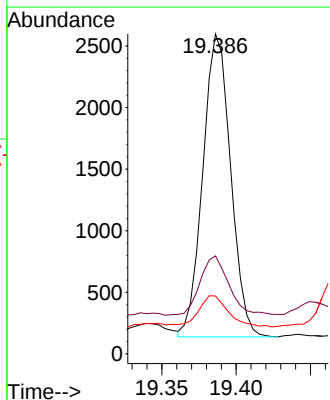
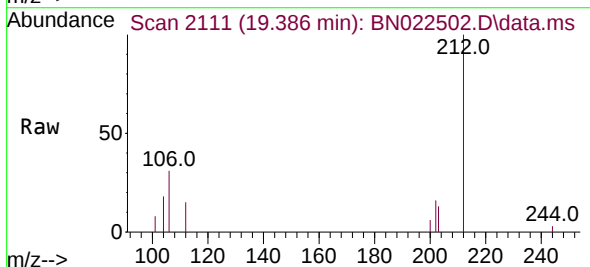
Manual Integrations
 APPROVED

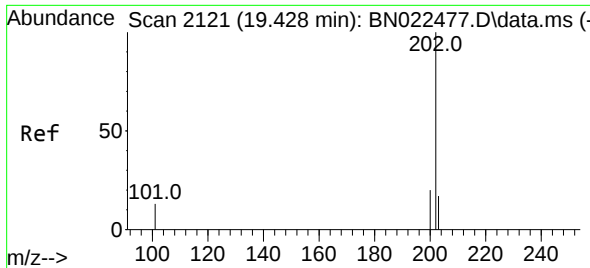
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#27
 Fluoranthene-d10
 Concen: 0.063 ng
 RT: 19.386 min Scan# 2111
 Delta R.T. -0.008 min
 Lab File: BN022502.D
 Acq: 04 Nov 2022 07:35

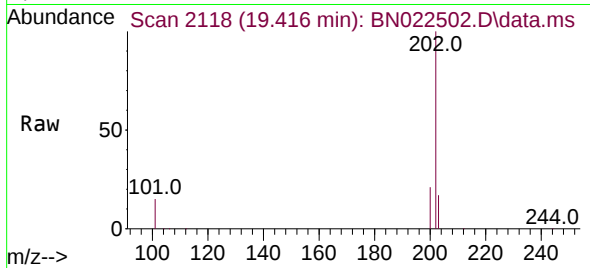
Tgt Ion:212 Resp: 3205
 Ion Ratio Lower Upper
 212 100
 106 20.2 15.2 22.8
 104 12.0 8.6 12.8





#28
Fluoranthene
Concen: 2.836 ng
RT: 19.416 min Scan# 2118
Delta R.T. -0.013 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

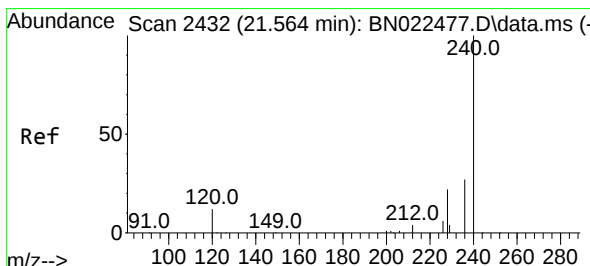
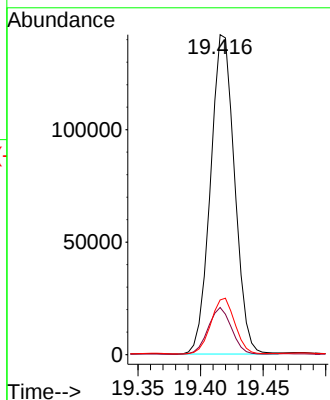
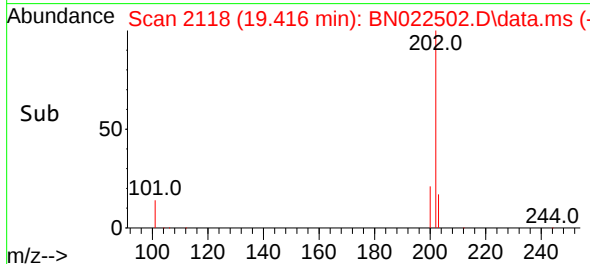
Instrument :
BNA_N
ClientSampleId :
S-5-103122DL



Tgt Ion:202 Resp: 190485
Ion Ratio Lower Upper
202 100
101 14.1 11.2 16.8
203 17.3 13.6 20.4

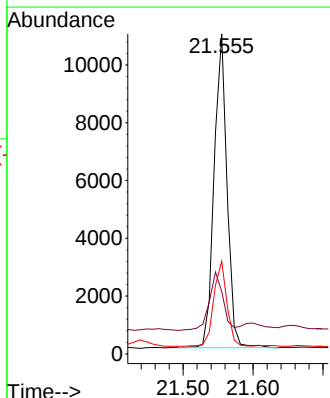
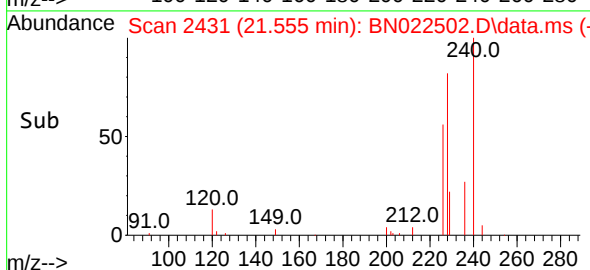
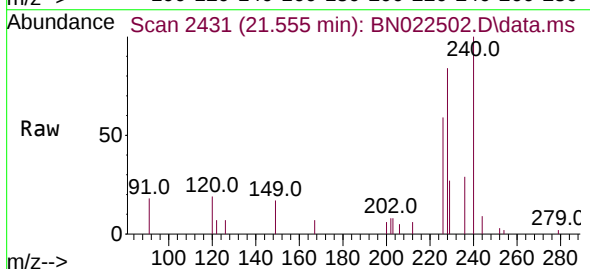
Manual Integrations
APPROVED

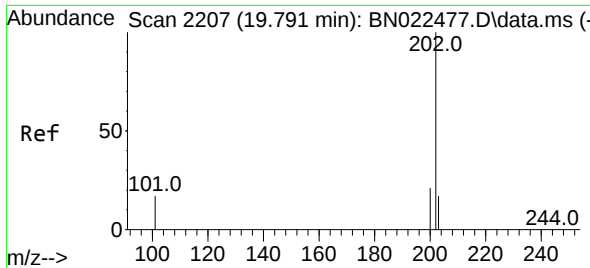
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

Tgt Ion:240 Resp: 13955
Ion Ratio Lower Upper
240 100
120 19.5 12.4 18.6#
236 28.9 22.7 34.1





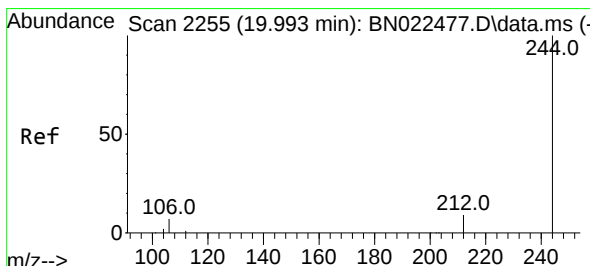
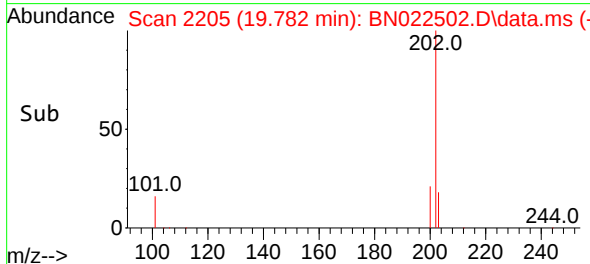
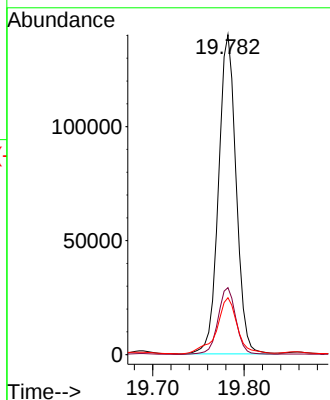
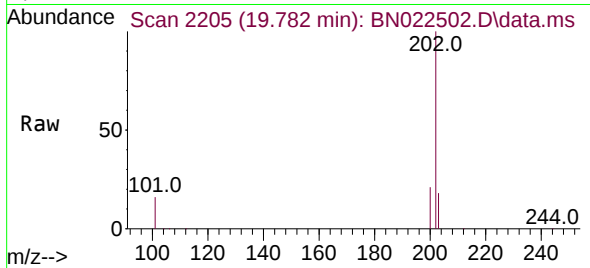
#30
Pyrene
Concen: 3.111 ng
RT: 19.782 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

Instrument :
BNA_N
ClientSampleId :
S-5-103122DL

Tgt Ion:202 Resp: 187420
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 20.4 14.3 21.5

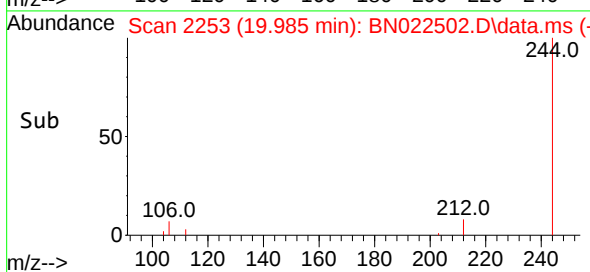
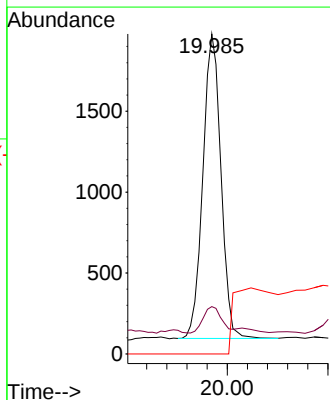
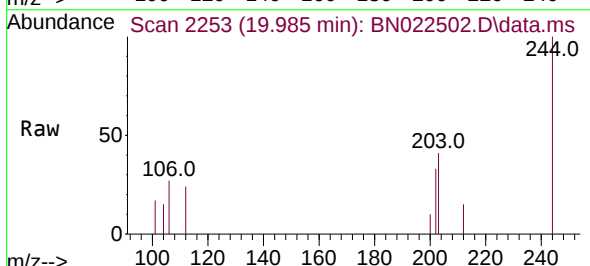
Manual Integrations
APPROVED

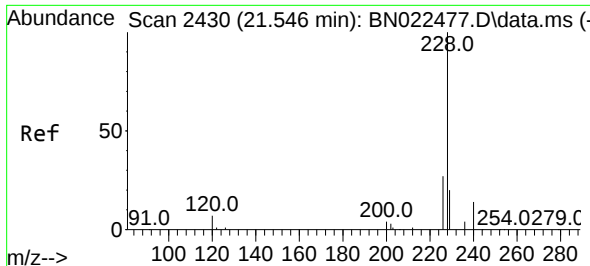
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#31
Terphenyl-d14
Concen: 0.070 ng
RT: 19.985 min Scan# 2253
Delta R.T. -0.008 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

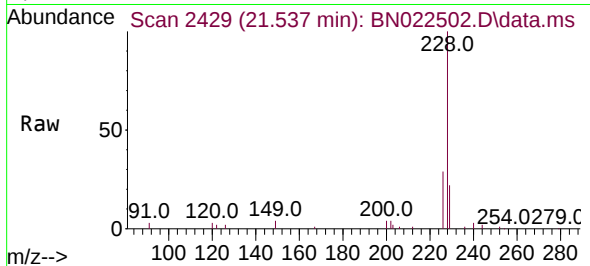
Tgt Ion:244 Resp: 3051
Ion Ratio Lower Upper
244 100
212 14.8 7.8 11.8#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.365 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

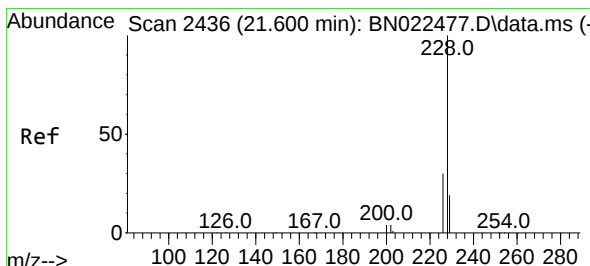
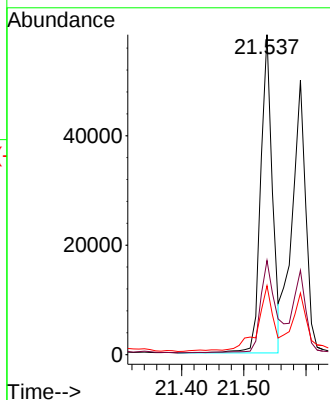
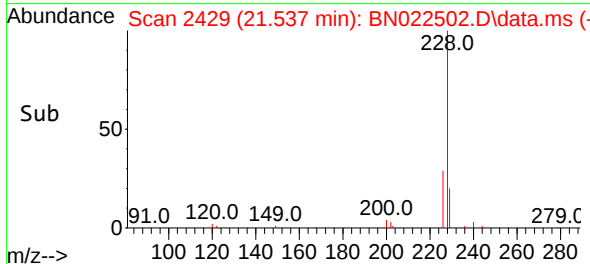
Instrument :
BNA_N
ClientSampleId :
S-5-103122DL



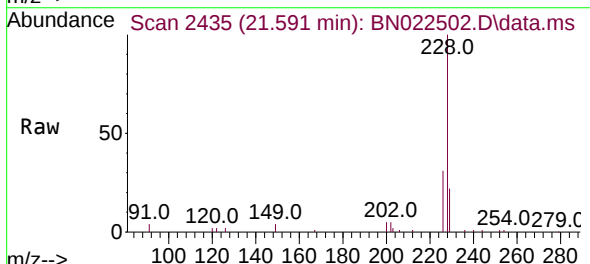
Tgt Ion:228 Resp: 76586
Ion Ratio Lower Upper
228 100
226 29.4 22.1 33.1
229 21.6 16.4 24.6

Manual Integrations
APPROVED

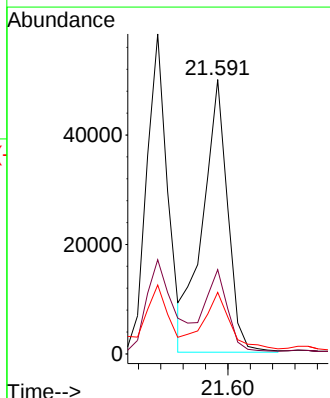
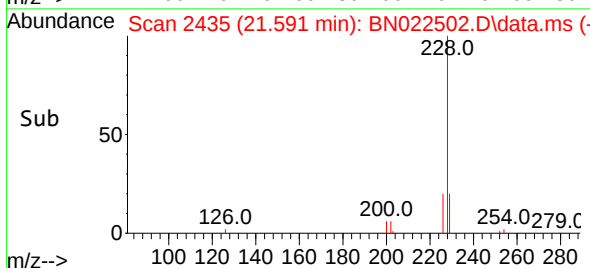
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

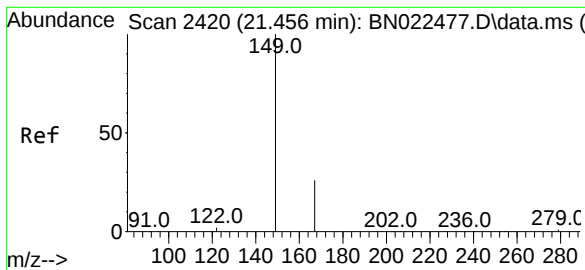


#33
Chrysene
Concen: 1.393 ng m
RT: 21.591 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35



Tgt Ion:228 Resp: 77428
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 22.4 15.9 23.9





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.161 ng
 RT: 21.457 min Scan# 2420
 Delta R.T. 0.000 min
 Lab File: BN022502.D
 Acq: 04 Nov 2022 07:35

Instrument :

BNA_N

ClientSampleId :

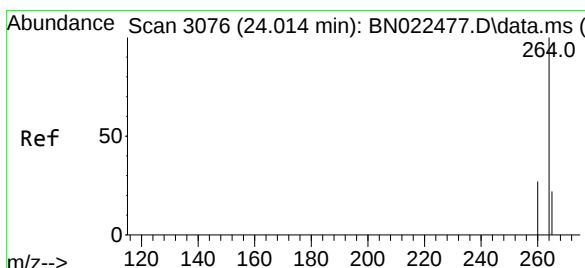
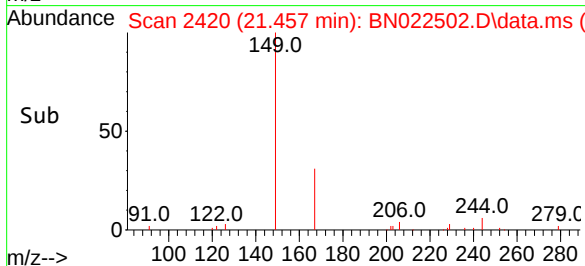
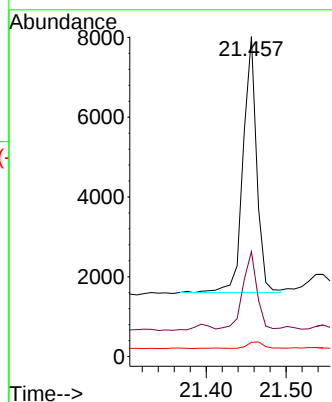
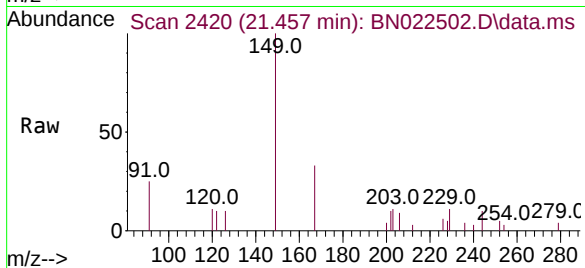
S-5-103122DL

Tgt Ion:149 Resp: 7590
 Ion Ratio Lower Upper
 149 100
 167 31.2 21.3 31.9
 279 3.0 2.7 4.1

Manual Integrations

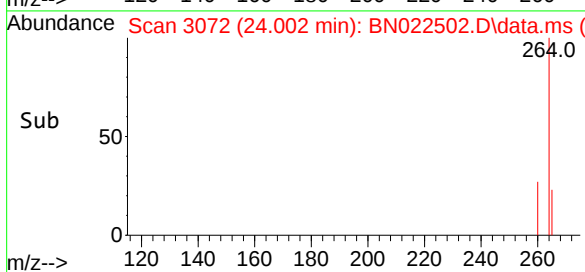
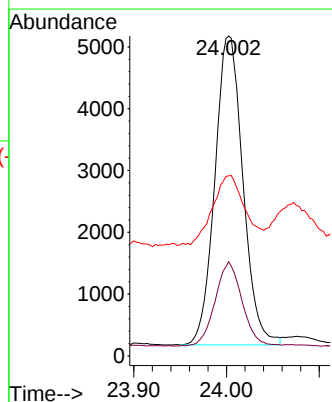
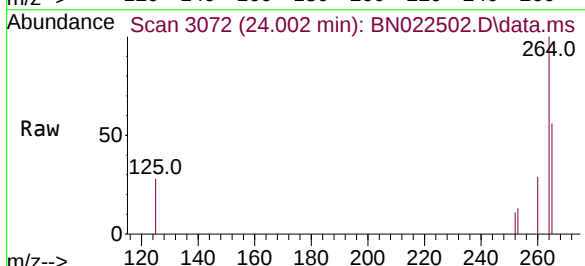
APPROVED

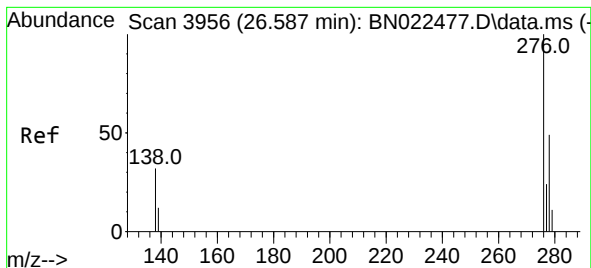
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.002 min Scan# 3072
 Delta R.T. -0.012 min
 Lab File: BN022502.D
 Acq: 04 Nov 2022 07:35

Tgt Ion:264 Resp: 10541
 Ion Ratio Lower Upper
 264 100
 260 29.4 22.4 33.6
 265 56.3 44.4 66.6





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.573 ng

RT: 26.563 min Scan# 3948

Delta R.T. -0.023 min

Lab File: BN022502.D

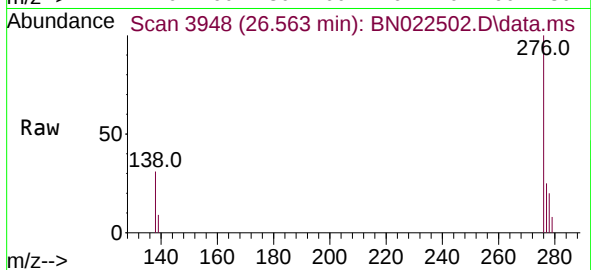
Acq: 04 Nov 2022 07:35

Instrument :

BNA_N

ClientSampleId :

S-5-103122DL



Tgt Ion:276 Resp: 29103

Ion Ratio Lower Upper

276 100

138 29.6 27.5 41.3

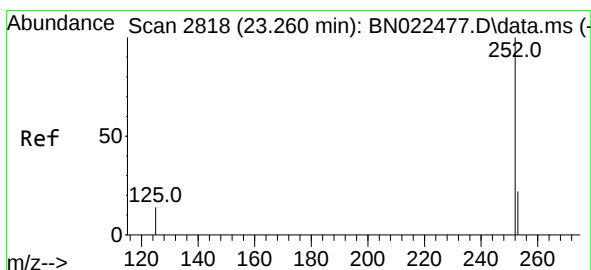
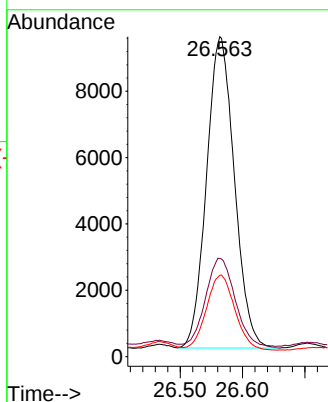
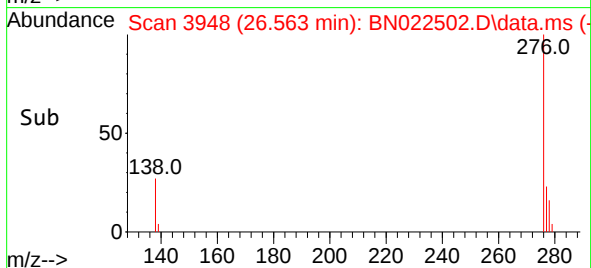
277 24.8 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#37

Benzo(b)fluoranthene

Concen: 1.995 ng

RT: 23.254 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BN022502.D

Acq: 04 Nov 2022 07:35

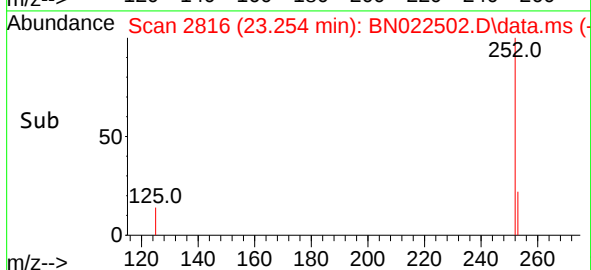
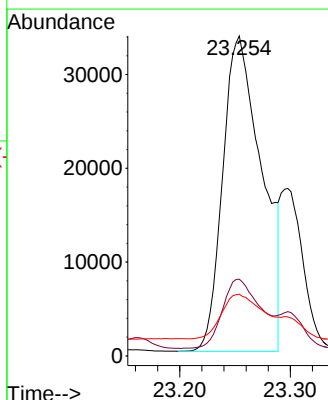
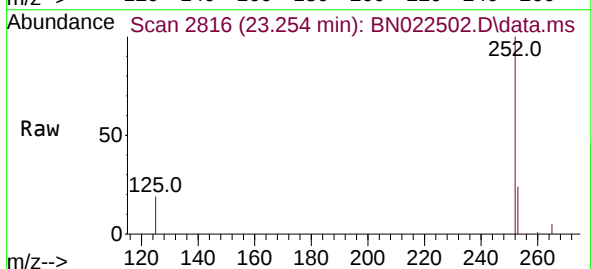
Tgt Ion:252 Resp: 82671

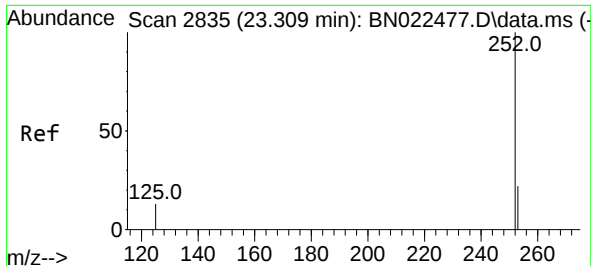
Ion Ratio Lower Upper

252 100

253 24.0 21.1 31.7

125 19.3 16.8 25.2





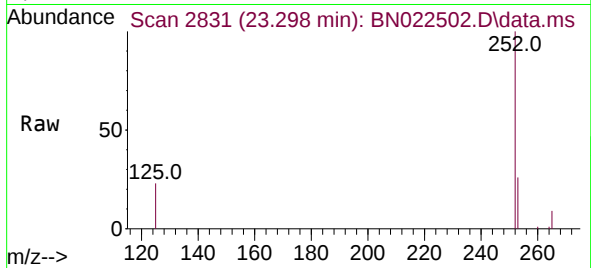
#38
Benzo(k)fluoranthene
Concen: 0.594 ng m
RT: 23.298 min Scan# 2835
Delta R.T. -0.012 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

Instrument :

BNA_N

ClientSampleId :

S-5-103122DL

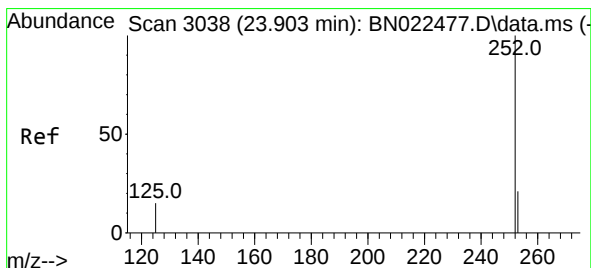
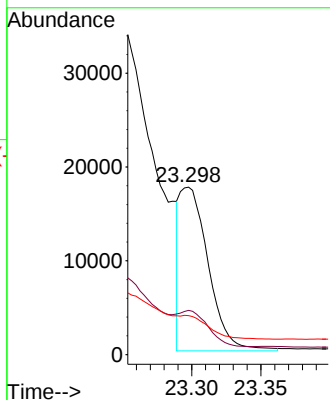
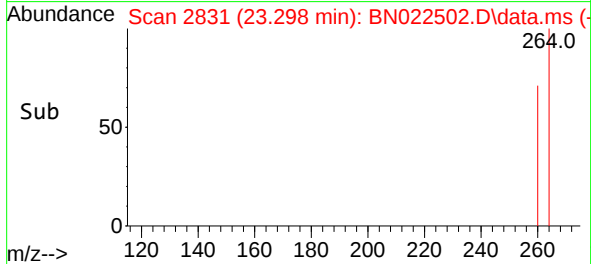


Tgt Ion:252 Resp: 25119
Ion Ratio Lower Upper
252 100
253 26.4 20.9 31.3
125 23.2 16.1 24.1

Manual Integrations

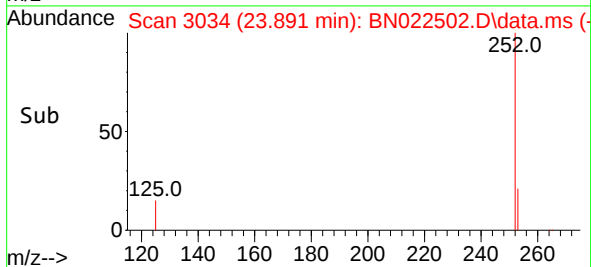
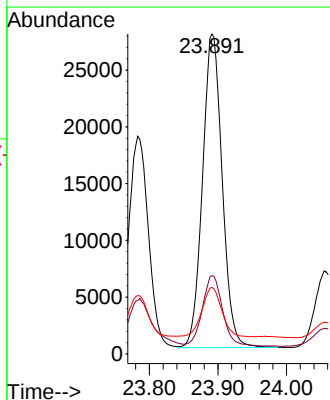
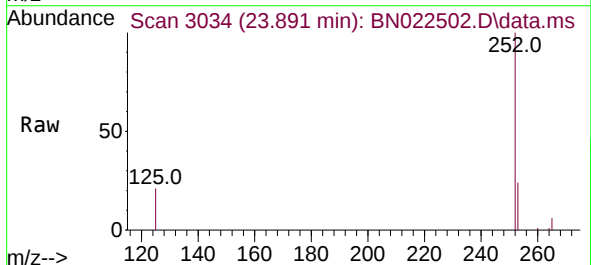
APPROVED

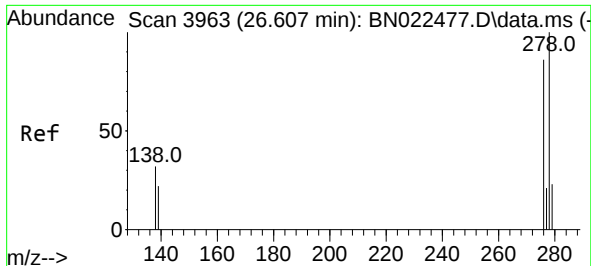
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#39
Benzo(a)pyrene
Concen: 1.553 ng
RT: 23.891 min Scan# 3034
Delta R.T. -0.012 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

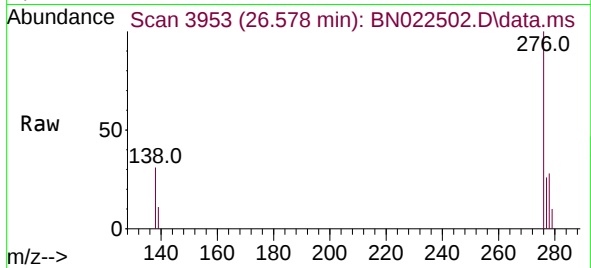
Tgt Ion:252 Resp: 55133
Ion Ratio Lower Upper
252 100
253 24.4 22.0 33.0
125 20.8 19.8 29.8





#40
Dibenzo(a,h)anthracene
Concen: 0.186 ng
RT: 26.578 min Scan# 3963
Delta R.T. -0.029 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

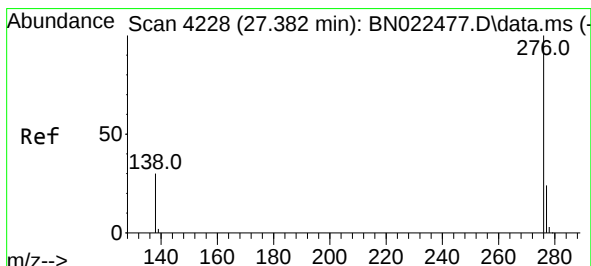
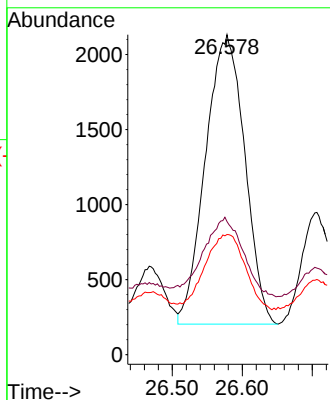
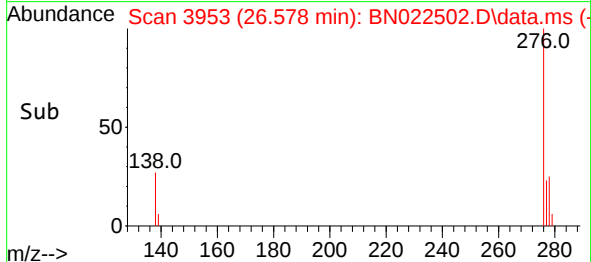
Instrument :
BNA_N
ClientSampleId :
S-5-103122DL



Tgt Ion:278 Resp: 7512
Ion Ratio Lower Upper
278 100
139 41.6 21.8 32.6
279 37.5 21.5 32.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#41
Benzo(g,h,i)perylene
Concen: 0.657 ng
RT: 27.362 min Scan# 4221
Delta R.T. -0.020 min
Lab File: BN022502.D
Acq: 04 Nov 2022 07:35

Tgt Ion:276 Resp: 28163
Ion Ratio Lower Upper
276 100
277 25.0 21.0 31.4
138 31.3 26.0 39.0

