

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
 Data File : BN022503.D
 Acq On : 04 Nov 2022 08:12
 Operator : CG/JU
 Sample : N5395-07DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-3-103122DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 04 08:54:08 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	4490	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	16187	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	9768	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	19912	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	9736	0.400	ng	0.00
35) Perylene-d12	23.999	264	7595	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.451	112	1722	0.136	ng	0.00
5) Phenol-d6	7.083	99	2360	0.148	ng	0.00
8) Nitrobenzene-d5	9.097	82	1575	0.108	ng	-0.01
11) 2-Methylnaphthalene-d10	12.338	152	2639	0.097	ng	-0.01
14) 2,4,6-Tribromophenol	16.096	330	575	0.112	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	4116	0.101	ng	-0.01
27) Fluoranthene-d10	19.386	212	4254	0.078	ng	0.00
31) Terphenyl-d14	19.985	244	4529	0.149	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.336	93	323	0.023	ng	86
9) Naphthalene	10.795	128	15297	0.312	ng	98
16) Acenaphthylene	14.311	152	6869	0.139	ng	98
17) Acenaphthene	14.653	154	5343	0.167	ng	100
18) Fluorene	15.637	166	8158	0.182	ng	# 98
25) Phenanthrene	17.387	178	132863	1.996	ng	100
26) Anthracene	17.474	178	20906	0.357	ng	# 92
28) Fluoranthene	19.416	202	192495	2.684	ng	99
30) Pyrene	19.782	202	162165	3.858	ng	# 96
32) Benzo(a)anthracene	21.537	228	56326	1.439	ng	99
33) Chrysene	21.591	228	55822	1.440	ng	98
34) Bis(2-ethylhexyl)phtha...	21.457	149	10674	0.324	ng	99
36) Indeno(1,2,3-cd)pyrene	26.566	276	25404	0.695	ng	94
37) Benzo(b)fluoranthene	23.251	252	57465	1.924	ng	95
38) Benzo(k)fluoranthene	23.295	252	22067m	0.725	ng	
39) Benzo(a)pyrene	23.891	252	40552m	1.585	ng	
40) Dibenzo(a,h)anthracene	26.581	278	6563	0.226	ng	# 83
41) Benzo(g,h,i)perylene	27.359	276	25536	0.826	ng	97

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

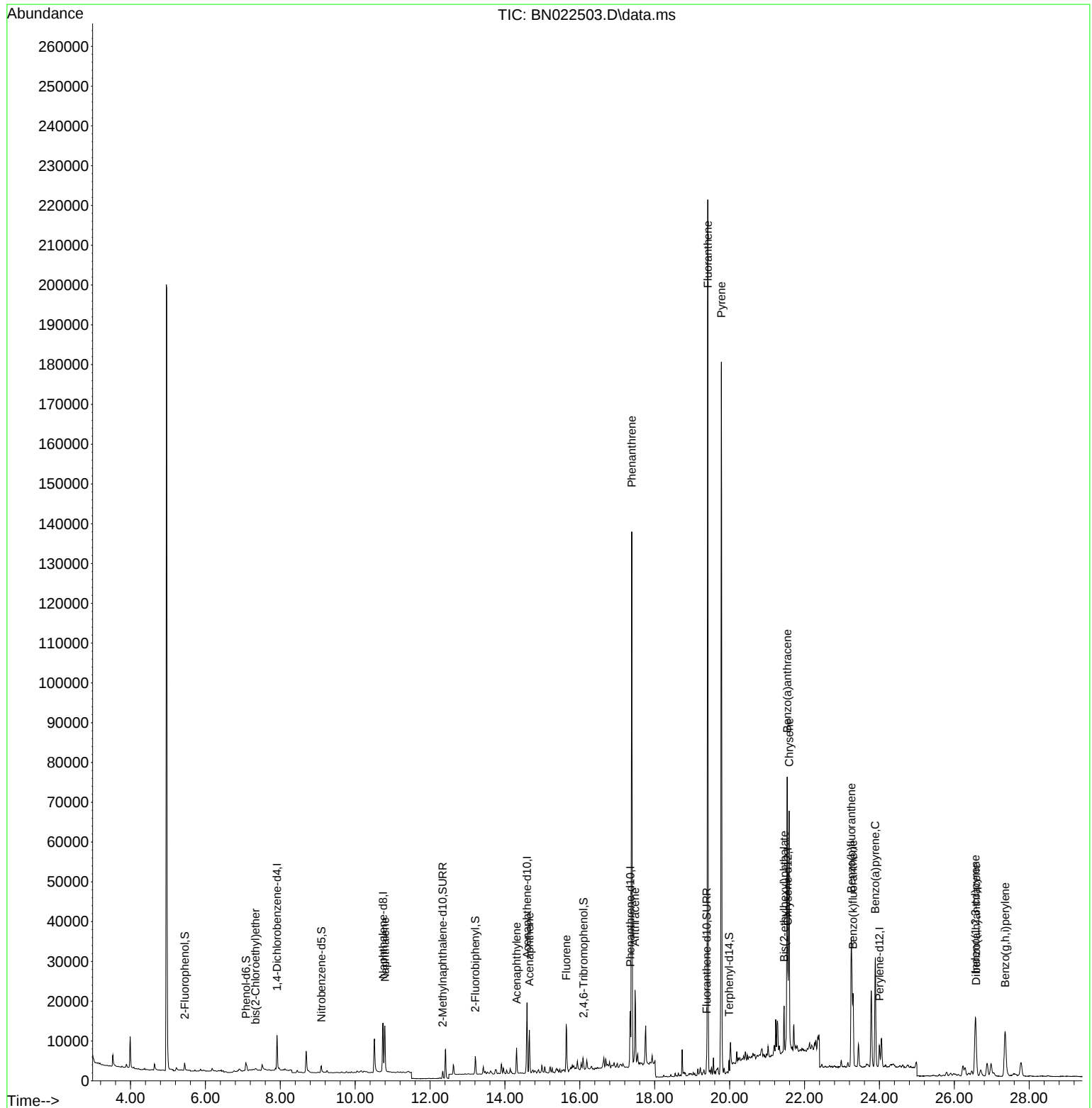
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
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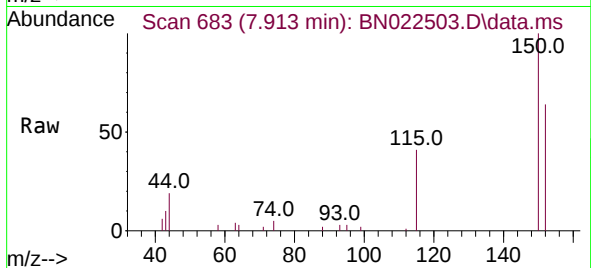
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 684
Delta R.T. -0.007 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Instrument :

BNA_N

ClientSampleId :

S-3-103122DL

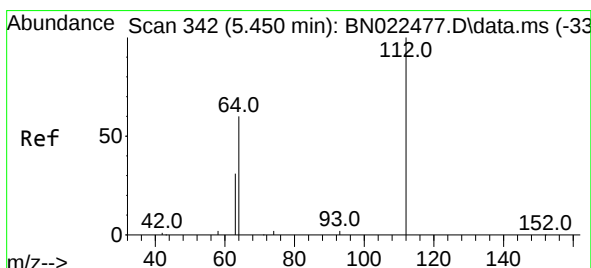
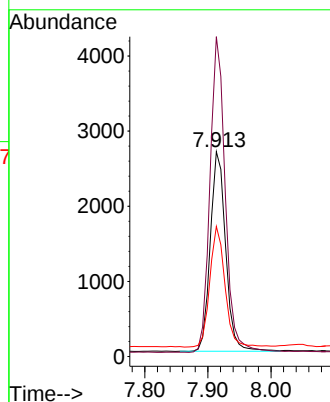
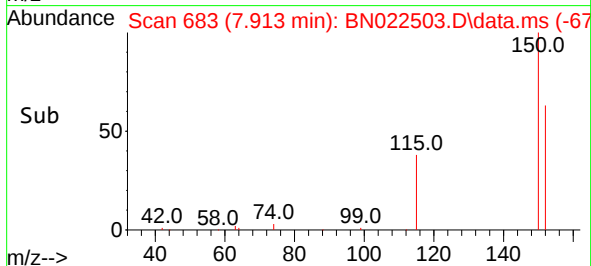


Tgt Ion:152 Resp: 4490
Ion Ratio Lower Upper
152 100
150 156.1 123.4 185.2
115 63.5 54.9 82.3

Manual Integrations

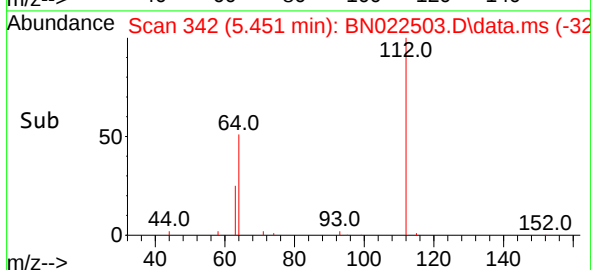
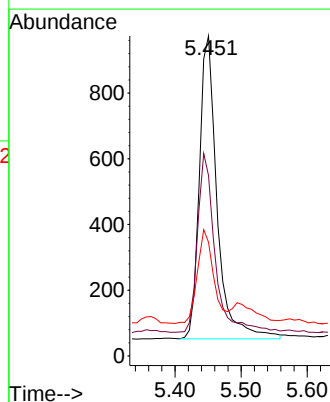
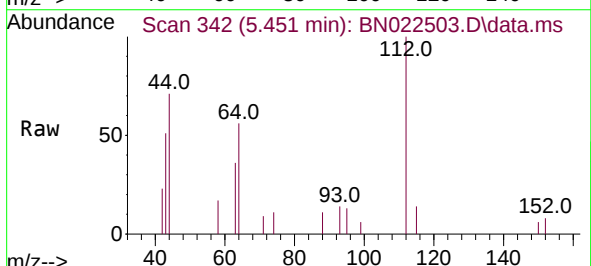
APPROVED

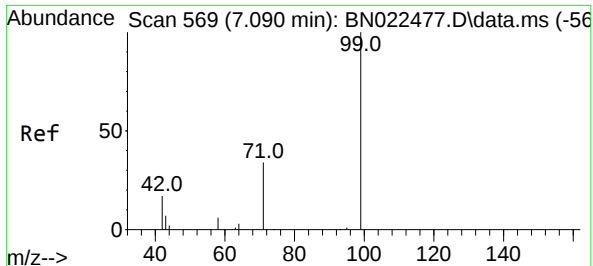
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#4
2-Fluorophenol
Concen: 0.136 ng
RT: 5.451 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

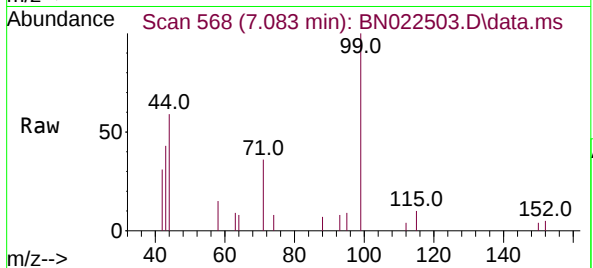
Tgt Ion:112 Resp: 1722
Ion Ratio Lower Upper
112 100
64 58.1 47.1 70.7
63 28.3 24.6 36.8





#5
Phenol-d6
Concen: 0.148 ng
RT: 7.083 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Instrument :
BNA_N
ClientSampleId :
S-3-103122DL

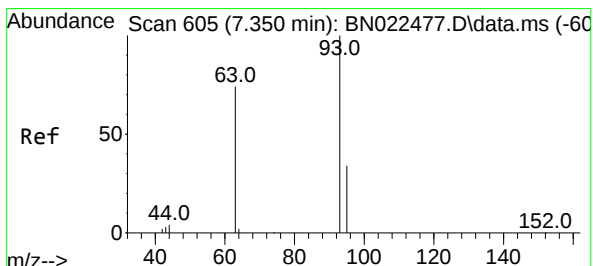
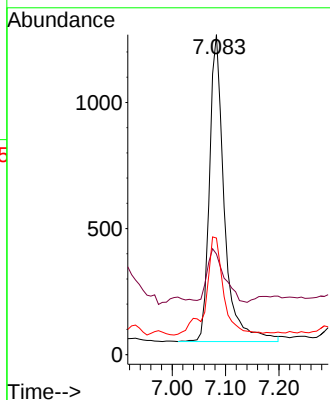
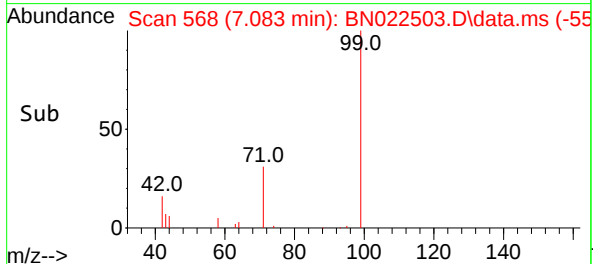


Tgt Ion: 99 Resp: 2360

Ion	Ratio	Lower	Upper
99	100		
42	19.8	14.7	22.1
71	37.8	27.0	40.6

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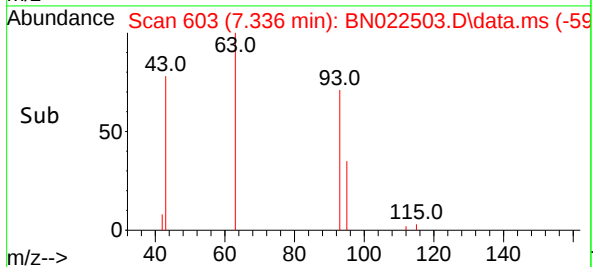
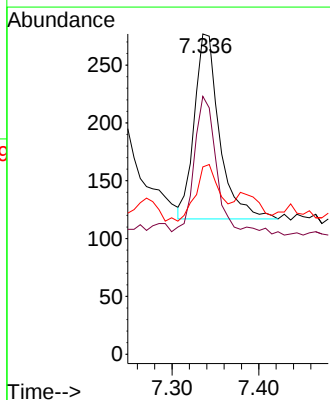
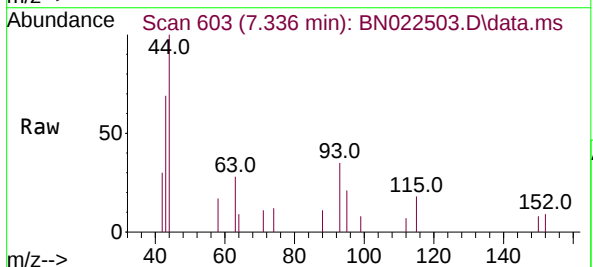
Reviewed By :Christian Giraldo 11/04/2022
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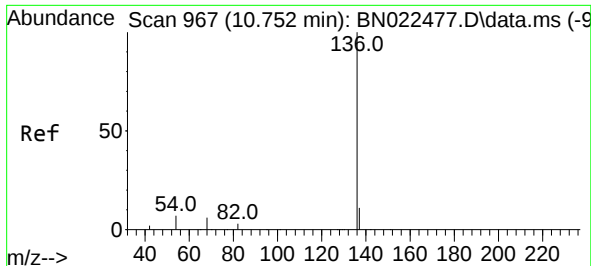


#6
bis(2-Chloroethyl)ether
Concen: 0.023 ng
RT: 7.336 min Scan# 603
Delta R.T. -0.014 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion: 93 Resp: 323

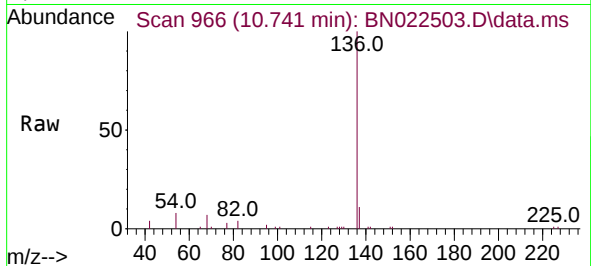
Ion	Ratio	Lower	Upper
93	100		
63	61.3	61.2	91.8
95	28.8	25.7	38.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 967
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

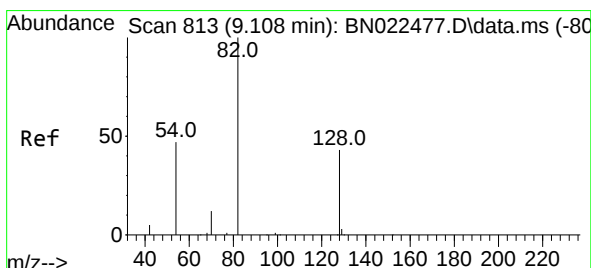
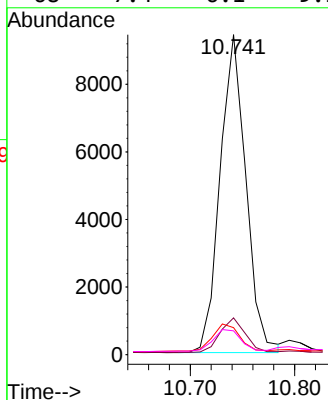
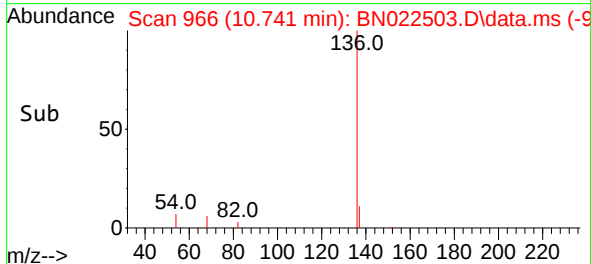
Instrument :
BNA_N
ClientSampleId :
S-3-103122DL



Tgt Ion:	136	Resp:	1618
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.5	14.3
54	8.4	7.1	10.7
68	7.4	6.1	9.1

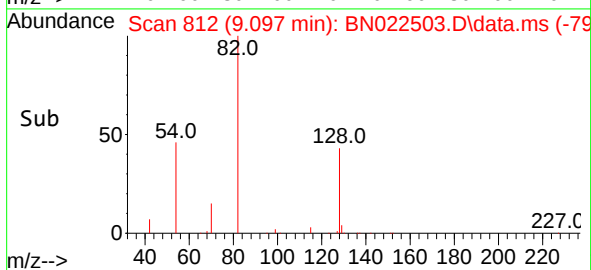
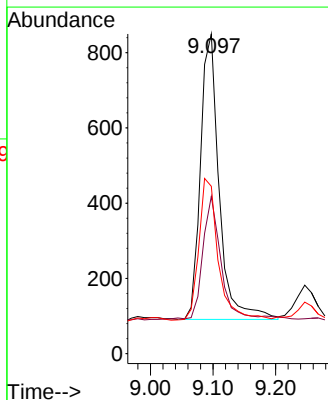
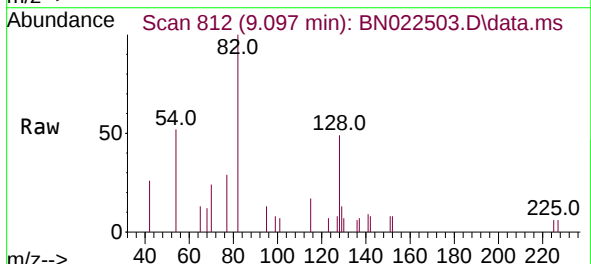
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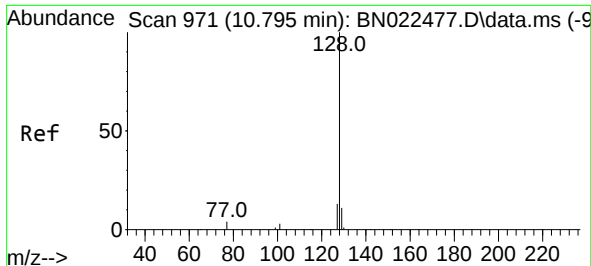
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#8
Nitrobenzene-d5
Concen: 0.108 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

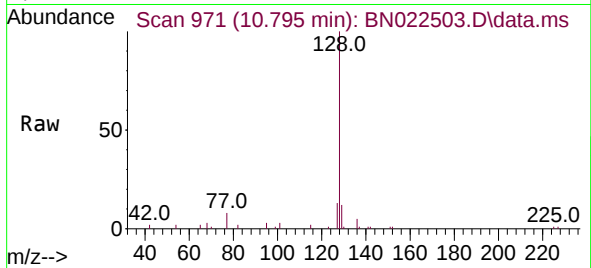
Tgt Ion:	82	Resp:	1575
Ion Ratio	Lower	Upper	
82	100		
128	49.2	37.3	55.9
54	52.4	40.0	60.0





#9
Naphthalene
Concen: 0.312 ng
RT: 10.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

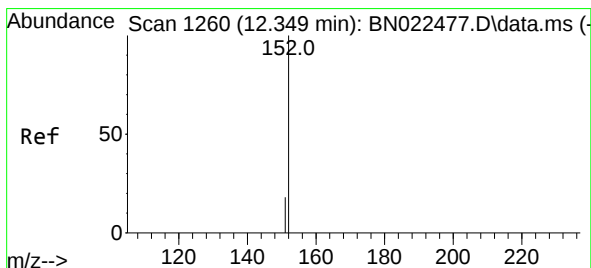
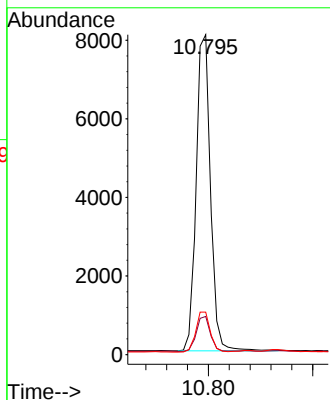
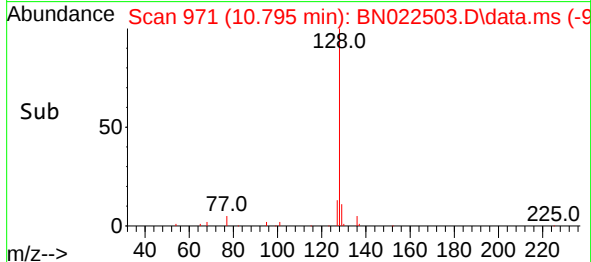
Instrument :
BNA_N
ClientSampleId :
S-3-103122DL



Tgt Ion:128 Resp: 1529
Ion Ratio Lower Upper
128 100
129 11.9 9.8 14.6
127 13.3 11.4 17.2

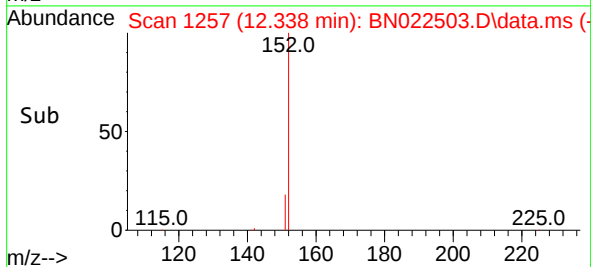
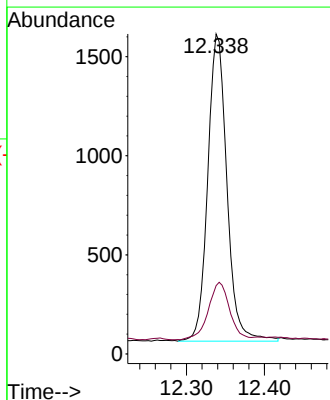
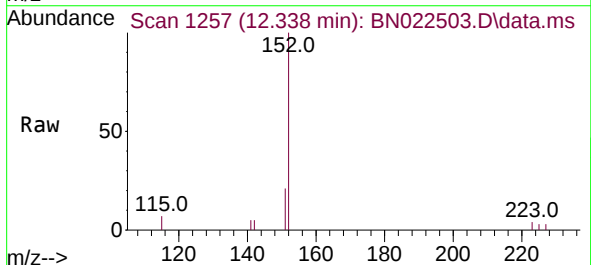
Manual Integrations
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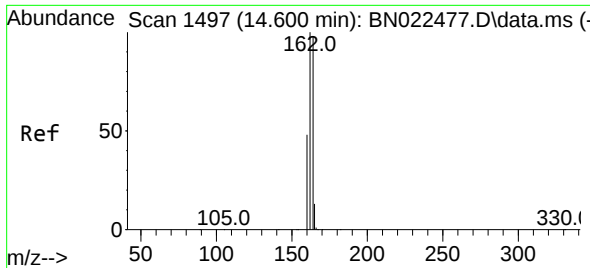
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#11
2-Methylnaphthalene-d10
Concen: 0.097 ng
RT: 12.338 min Scan# 1257
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

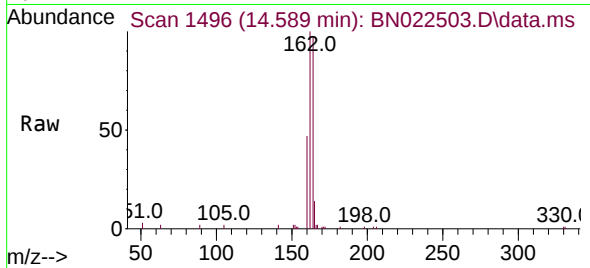
Tgt Ion:152 Resp: 2639
Ion Ratio Lower Upper
152 100
151 20.9 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

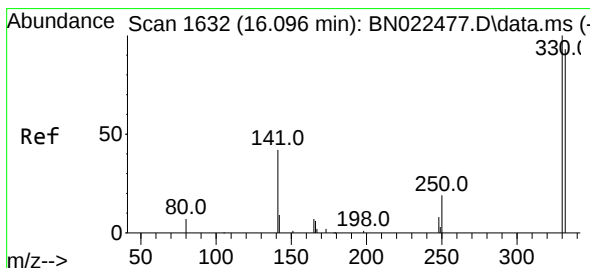
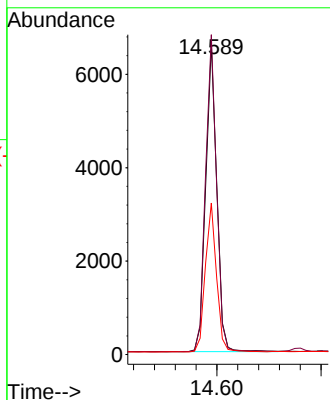
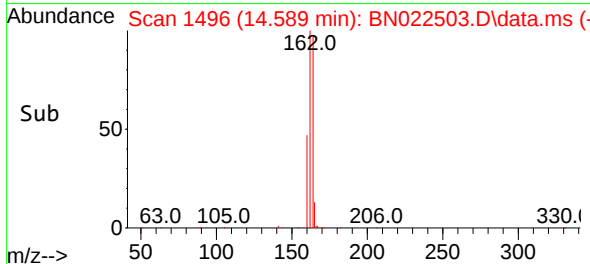
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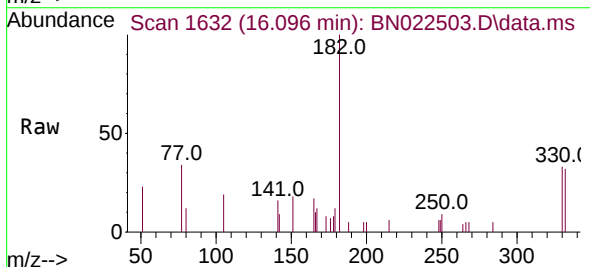
Tgt Ion:164 Resp: 9768
Ion Ratio Lower Upper
164 100
162 102.9 82.0 123.0
160 48.8 39.4 59.2

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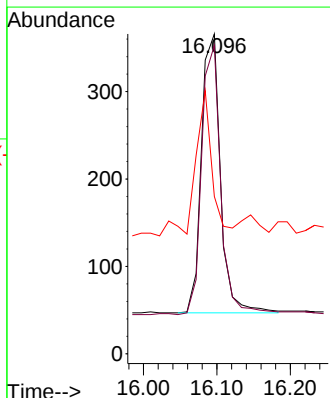
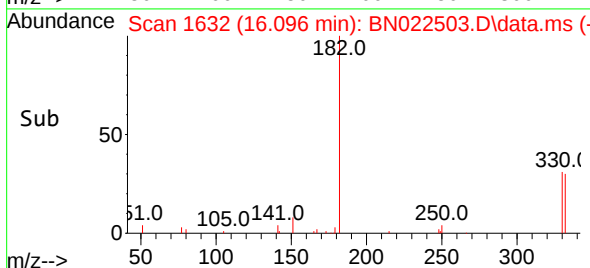
Reviewed By :Christian Giraldo 11/04/2022
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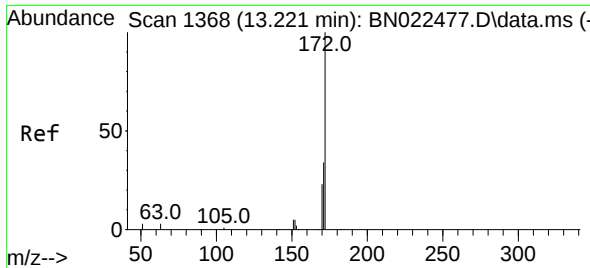


#14
2,4,6-Tribromophenol
Concen: 0.112 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12



Tgt Ion:330 Resp: 575
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.8
141 45.7 35.0 52.6





#15
2-Fluorobiphenyl
Concen: 0.101 ng
RT: 13.210 min Scan# 1368
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Instrument :

BNA_N

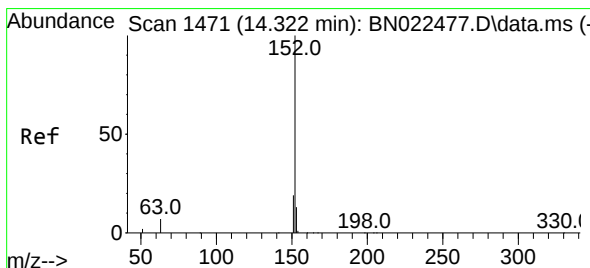
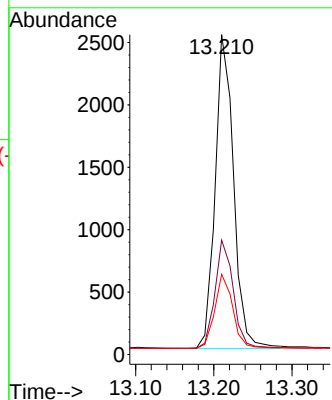
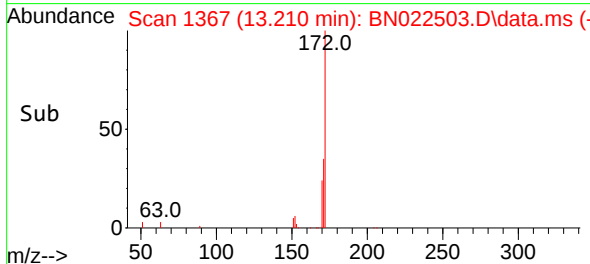
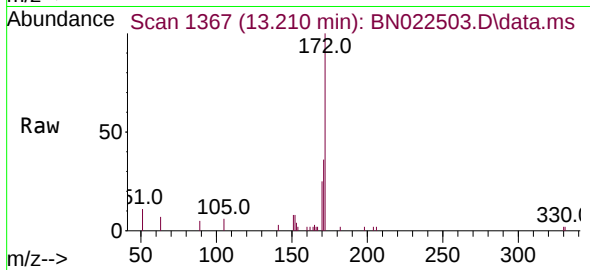
ClientSampleId :

S-3-103122DL

Tgt Ion:172 Resp: 4116
Ion Ratio Lower Upper
172 100
171 35.8 27.9 41.9
170 25.1 19.2 28.8

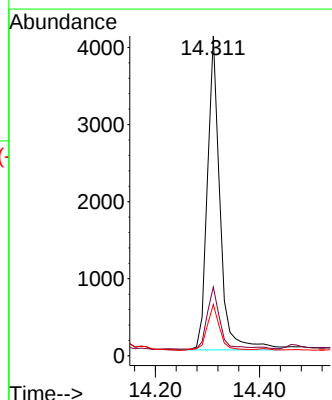
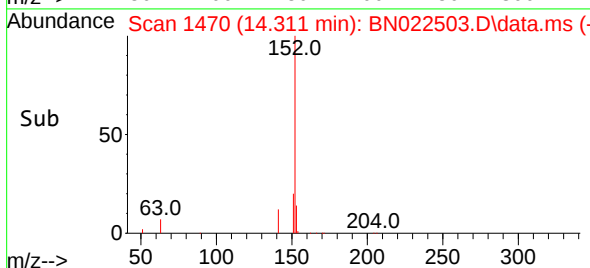
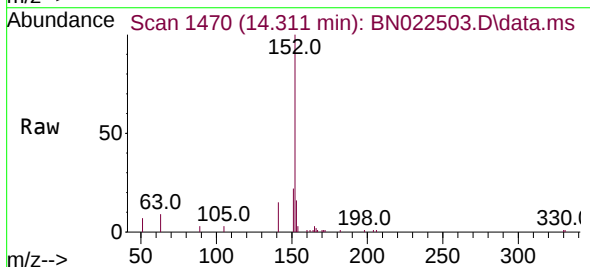
Manual Integrations
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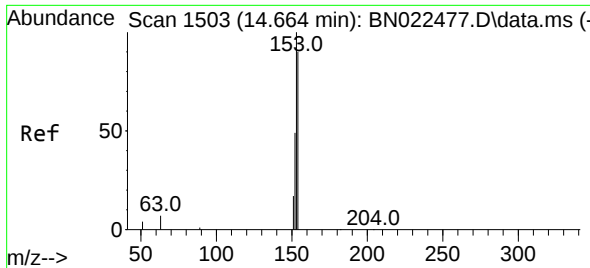
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#16
Acenaphthylene
Concen: 0.139 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

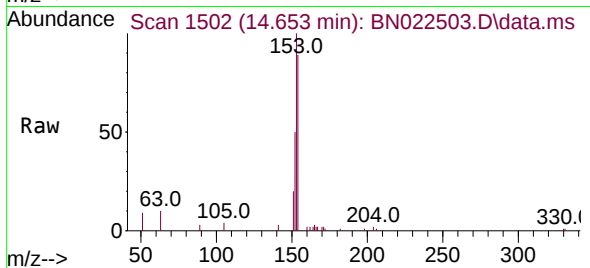
Tgt Ion:152 Resp: 6869
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 14.5 10.3 15.5





#17
Acenaphthene
Concen: 0.167 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

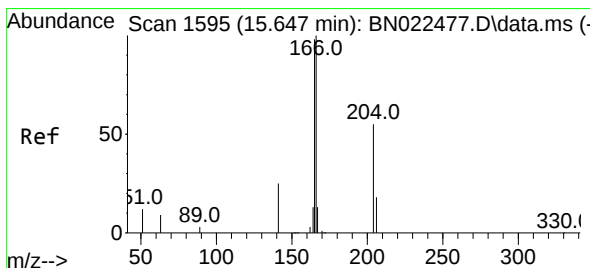
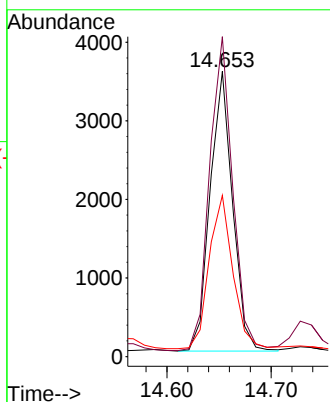
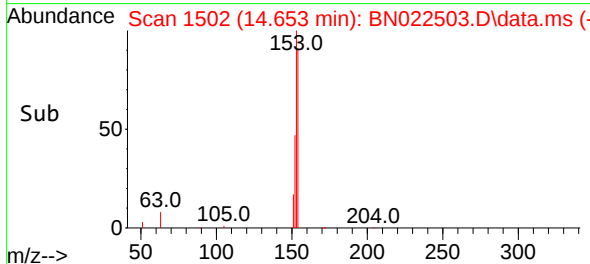
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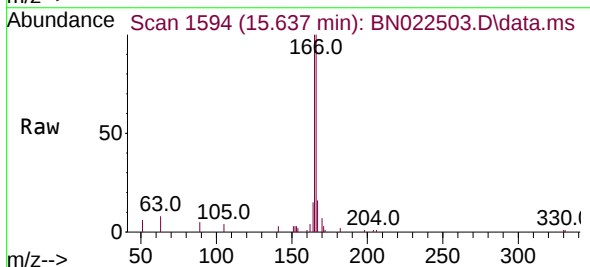
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Ion Ratio Lower Upper
154 100
153 115.1 91.8 137.8
152 57.8 45.7 68.5

Manual Integrations
APPROVED

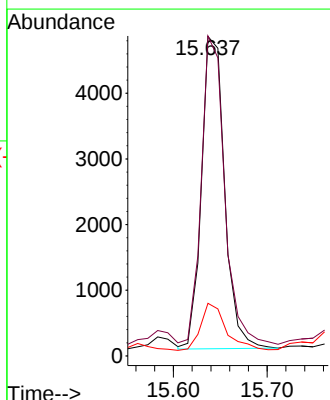
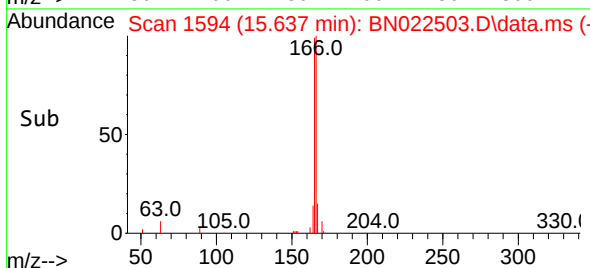
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

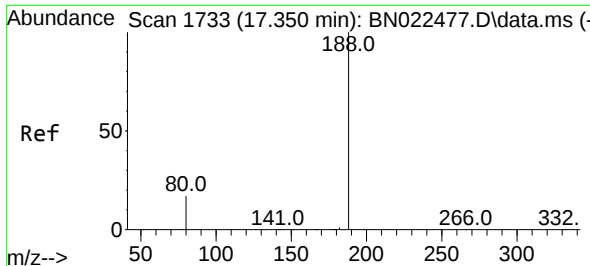


#18
Fluorene
Concen: 0.182 ng
RT: 15.637 min Scan# 1594
Delta R.T. -0.011 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12



Tgt Ion:166 Resp: 8158
Ion Ratio Lower Upper
166 100
165 99.6 78.7 118.1
167 16.7 10.2 15.2#





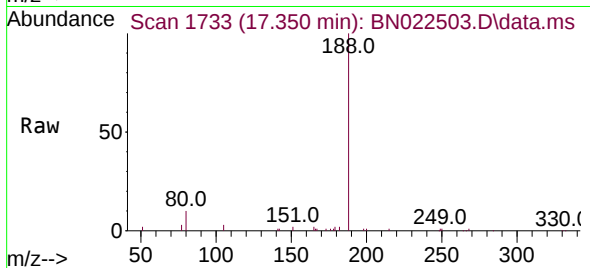
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Instrument :

BNA_N

ClientSampleId :

S-3-103122DL



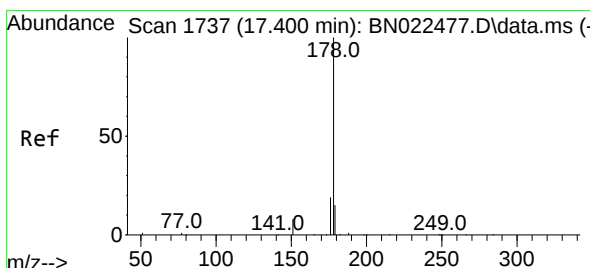
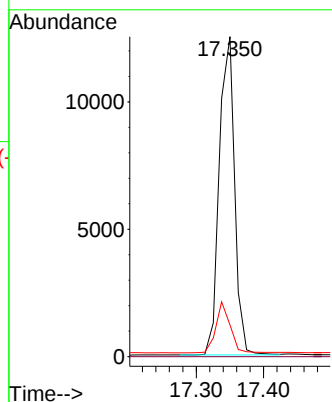
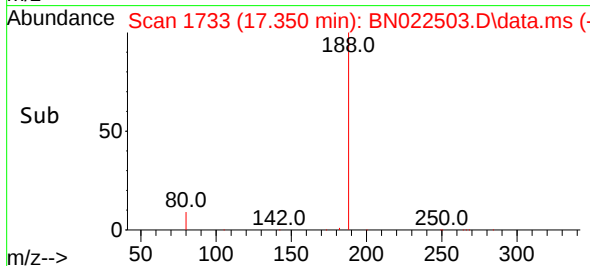
Tgt Ion:188 Resp: 19912
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 14.6 21.8

Manual Integrations

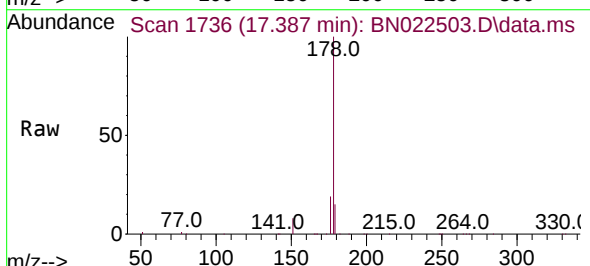
APPROVED

Reviewed By :Christian Giraldo 11/04/2022

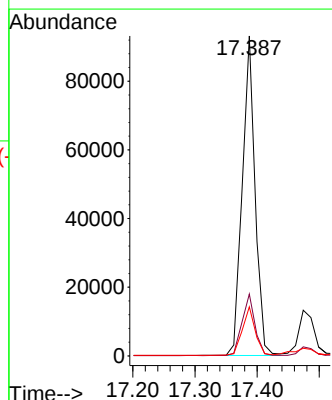
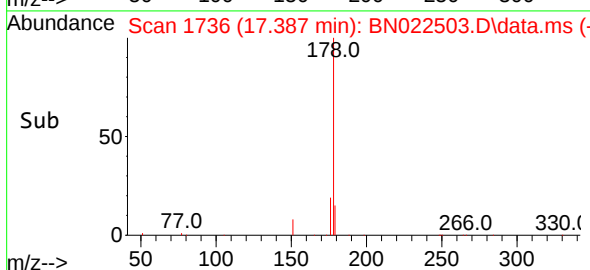
Supervised By :Sohil Jodhani 11/04/2022

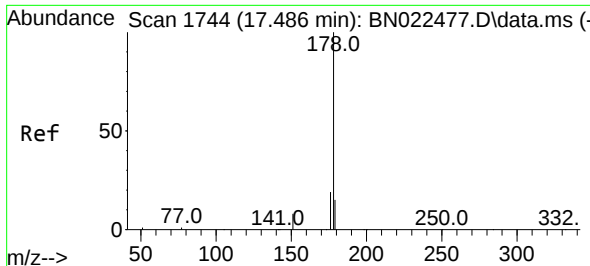


#25
Phenanthrene
Concen: 1.996 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12



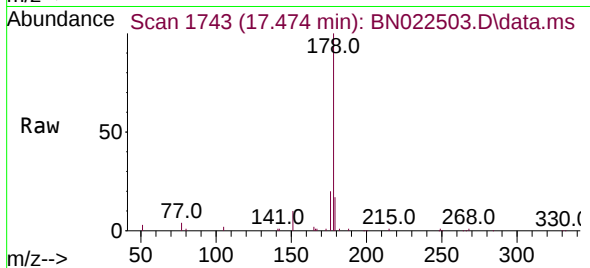
Tgt Ion:178 Resp: 132863
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.3 12.2 18.4





#26
 Anthracene
 Concen: 0.357 ng
 RT: 17.474 min Scan# 1743
 Delta R.T. -0.012 min
 Lab File: BN022503.D
 Acq: 04 Nov 2022 08:12

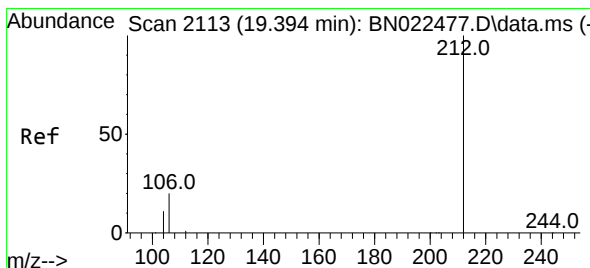
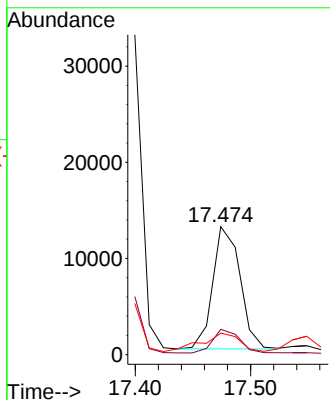
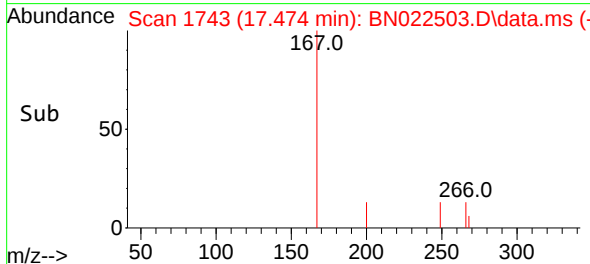
Instrument :
 BNA_N
 ClientSampleId :
 S-3-103122DL



Tgt Ion:178 Resp: 20906
 Ion Ratio Lower Upper
 178 100
 176 19.9 14.8 22.2
 179 20.6 12.2 18.2

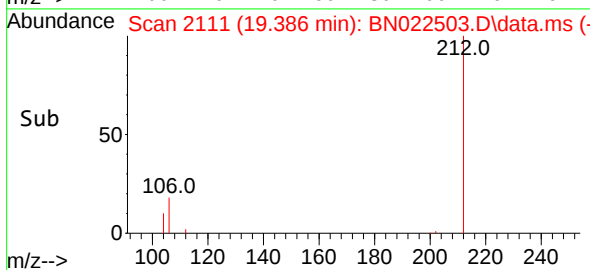
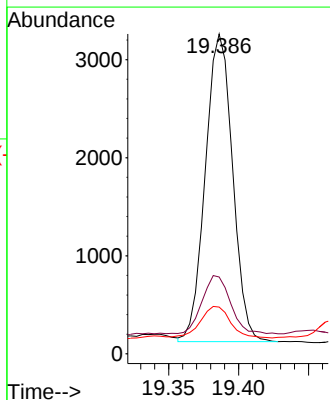
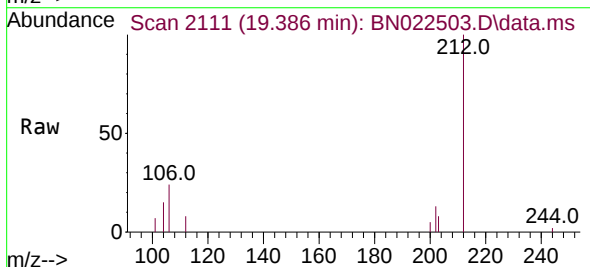
Manual Integrations
 APPROVED

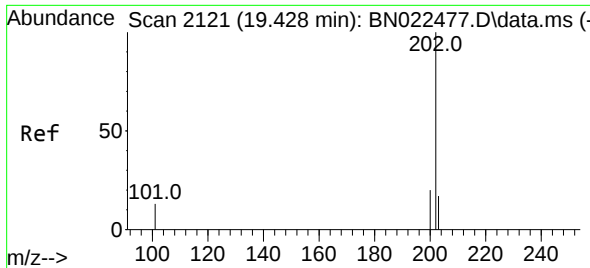
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#27
 Fluoranthene-d10
 Concen: 0.078 ng
 RT: 19.386 min Scan# 2111
 Delta R.T. -0.008 min
 Lab File: BN022503.D
 Acq: 04 Nov 2022 08:12

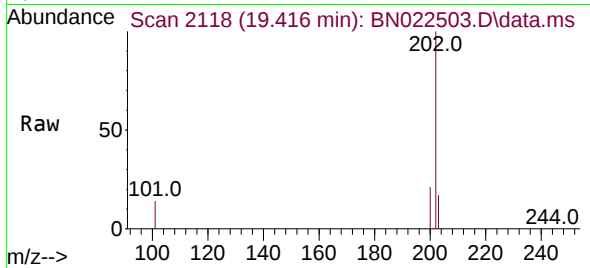
Tgt Ion:212 Resp: 4254
 Ion Ratio Lower Upper
 212 100
 106 19.7 15.2 22.8
 104 11.7 8.6 12.8





#28
Fluoranthene
Concen: 2.684 ng
RT: 19.416 min Scan# 2121
Delta R.T. -0.013 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

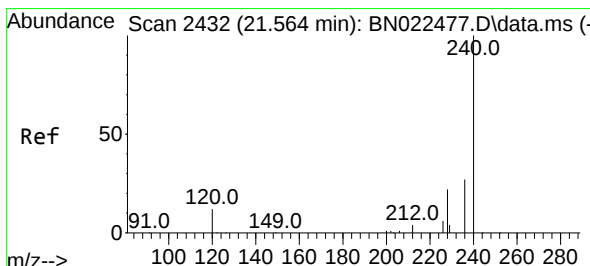
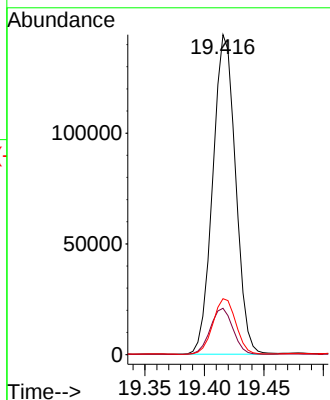
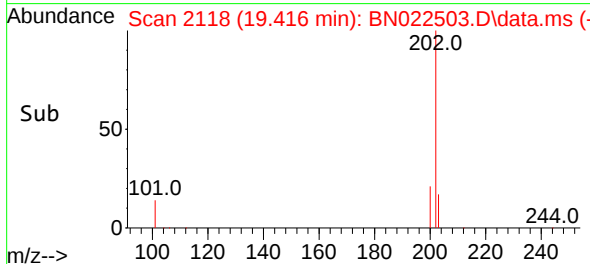
Instrument :
BNA_N
ClientSampleId :
S-3-103122DL



Tgt Ion:202 Resp: 192495
Ion Ratio Lower Upper
202 100
101 14.3 11.2 16.8
203 17.4 13.6 20.4

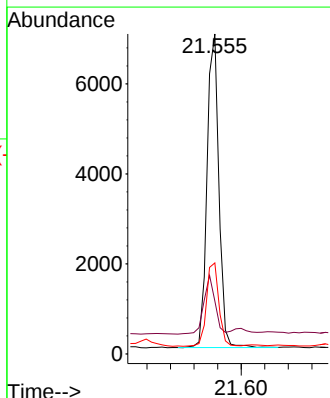
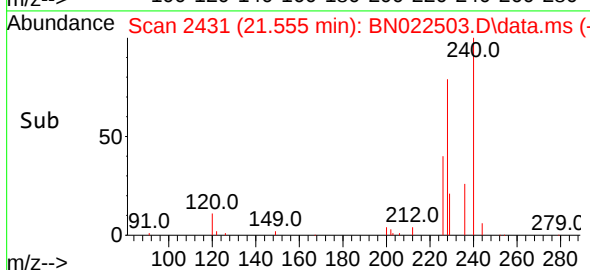
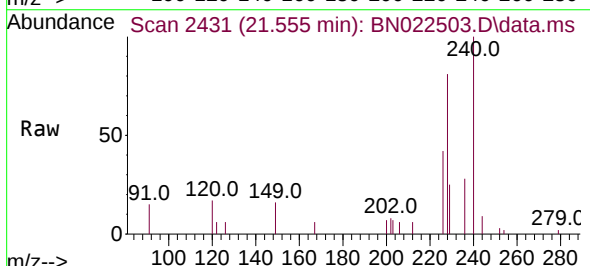
Manual Integrations
APPROVED

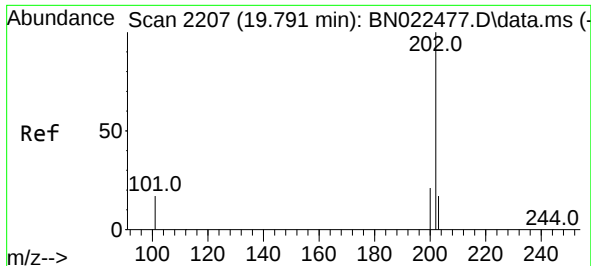
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion:240 Resp: 9736
Ion Ratio Lower Upper
240 100
120 16.5 12.4 18.6
236 28.4 22.7 34.1





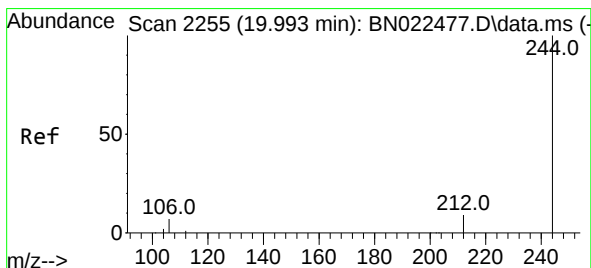
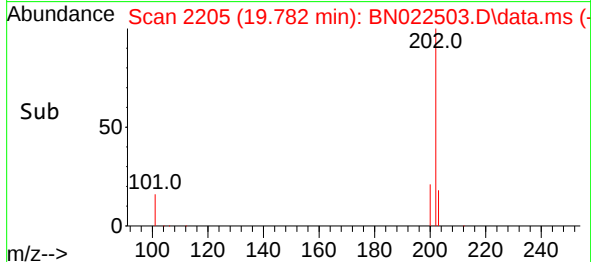
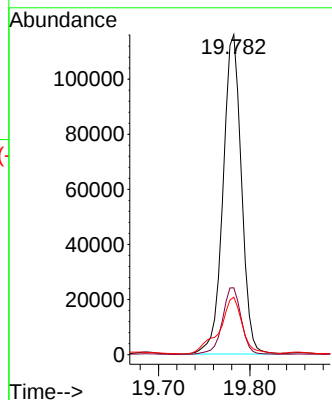
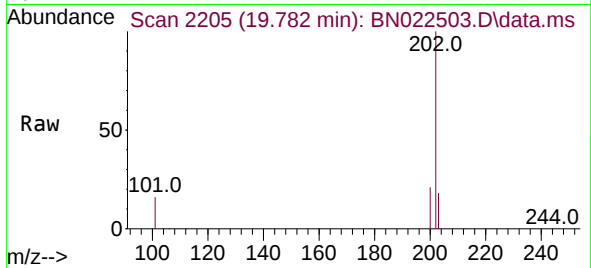
#30
Pyrene
Concen: 3.858 ng
RT: 19.782 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Instrument :
BNA_N
ClientSampleId :
S-3-103122DL

Tgt Ion:202 Resp: 162165
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 22.0 14.3 21.5

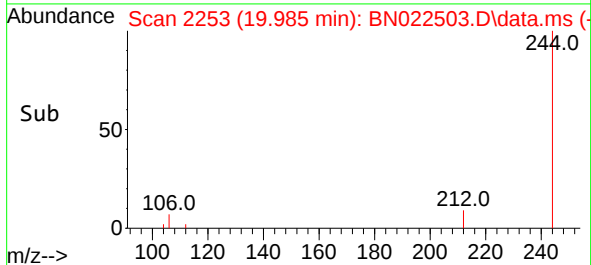
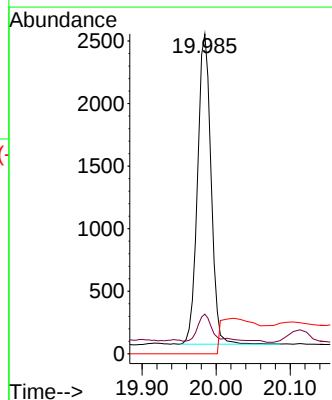
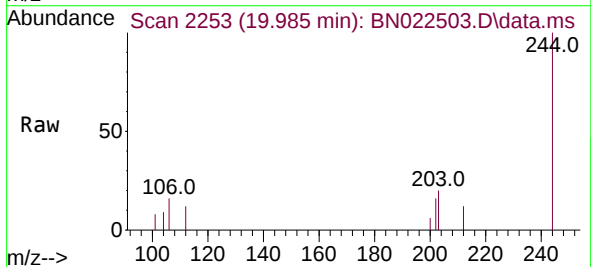
Manual Integrations
APPROVED

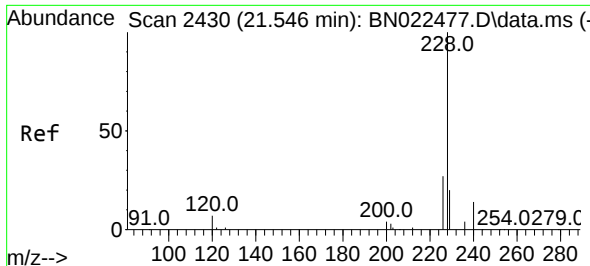
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#31
Terphenyl-d14
Concen: 0.149 ng
RT: 19.985 min Scan# 2253
Delta R.T. -0.008 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

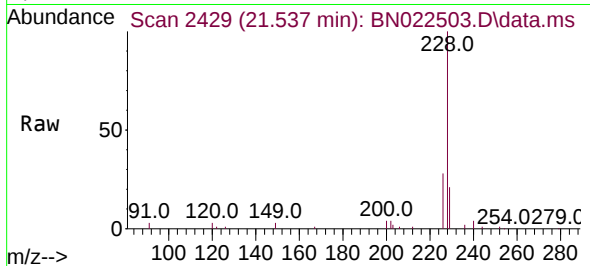
Tgt Ion:244 Resp: 4529
Ion Ratio Lower Upper
244 100
212 12.4 7.8 11.8#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.439 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

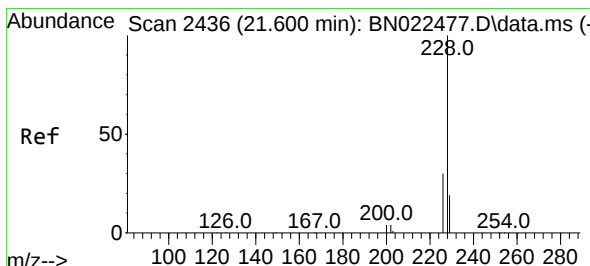
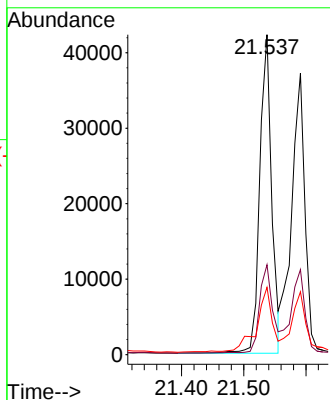
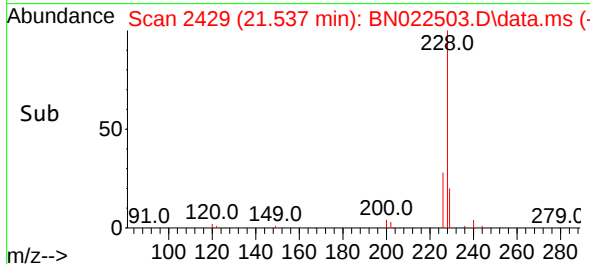
Instrument :
BNA_N
ClientSampleId :
S-3-103122DL



Tgt Ion:228 Resp: 56326
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 21.0 16.4 24.6

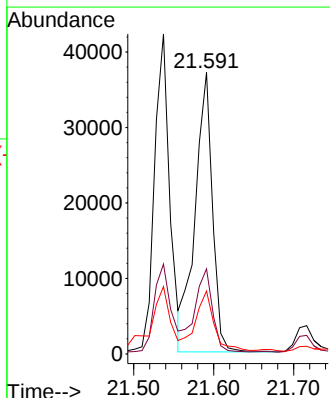
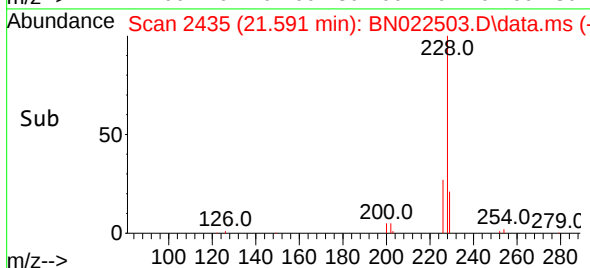
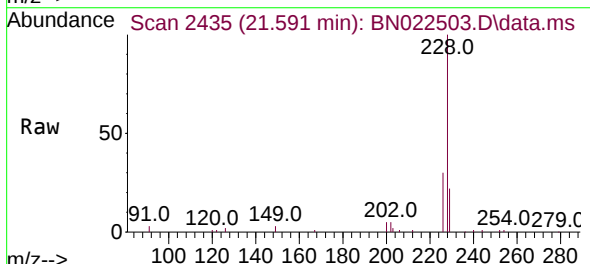
Manual Integrations
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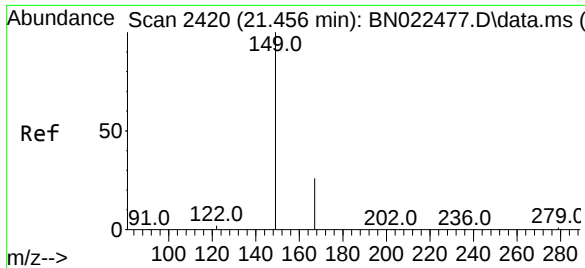
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#33
Chrysene
Concen: 1.440 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion:228 Resp: 55822
Ion Ratio Lower Upper
228 100
226 30.3 24.1 36.1
229 22.3 15.9 23.9





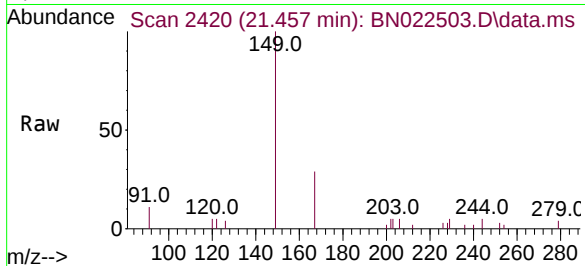
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.324 ng
RT: 21.457 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Instrument :

BNA_N

ClientSampleId :

S-3-103122DL

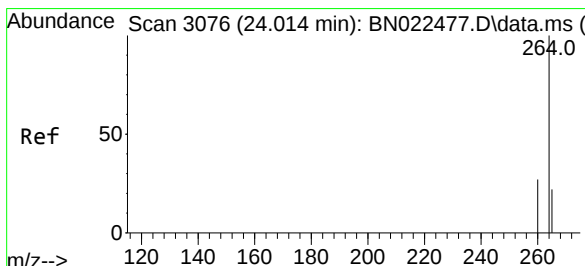
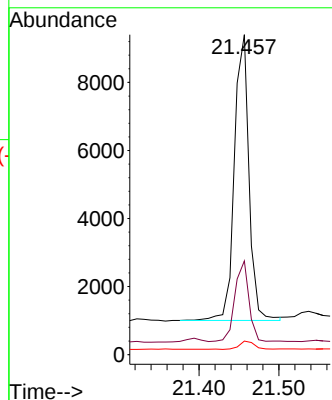
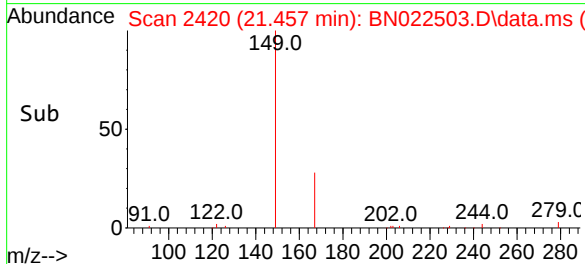


Tgt Ion:149 Resp: 10674
Ion Ratio Lower Upper
149 100
167 27.1 21.3 31.9
279 2.9 2.7 4.1

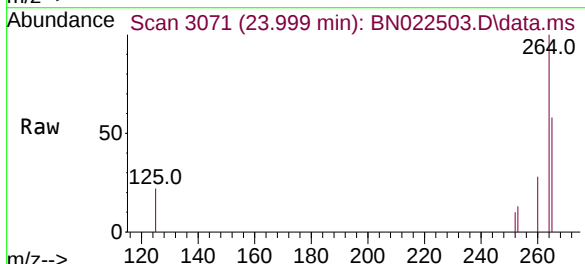
Manual Integrations

APPROVED

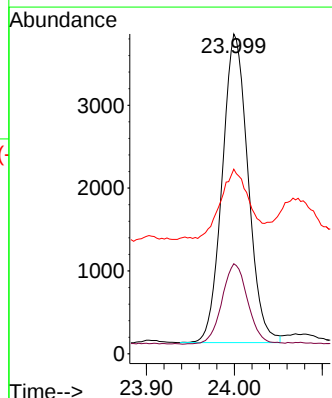
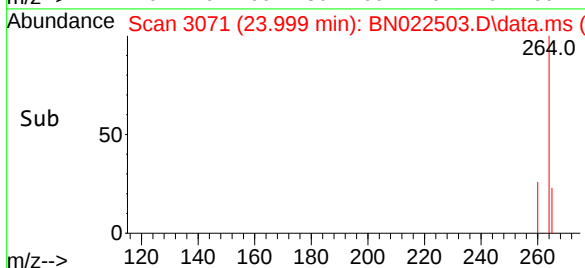
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

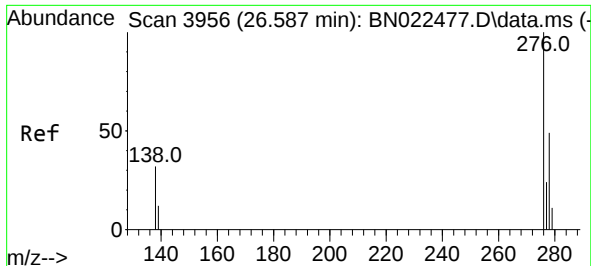


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.999 min Scan# 3071
Delta R.T. -0.015 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12



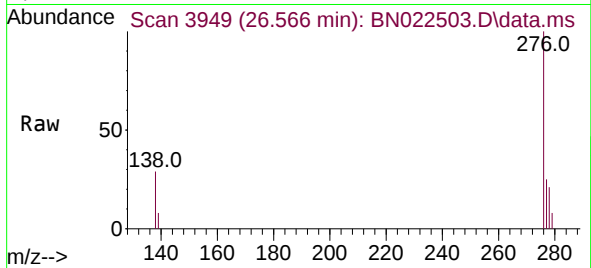
Tgt Ion:264 Resp: 7595
Ion Ratio Lower Upper
264 100
260 28.2 22.4 33.6
265 57.7 44.4 66.6





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.695 ng
RT: 26.566 min Scan# 3956
Delta R.T. -0.020 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

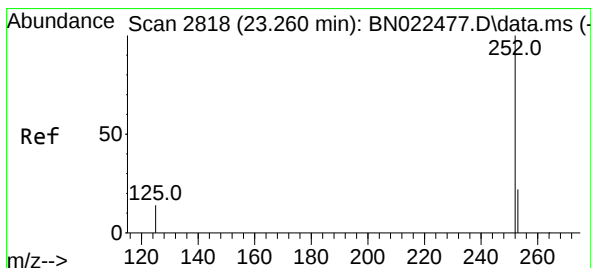
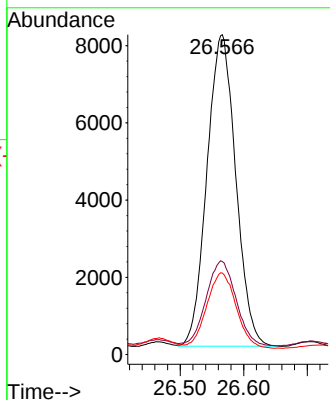
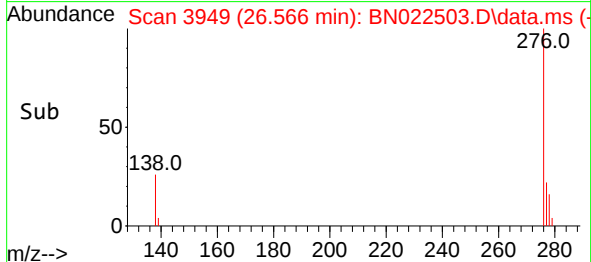
Instrument :
BNA_N
ClientSampleId :
S-3-103122DL



Tgt Ion: 276 Resp: 25404
Ion Ratio Lower Upper
276 100
138 28.3 27.5 41.3
277 24.8 19.8 29.6

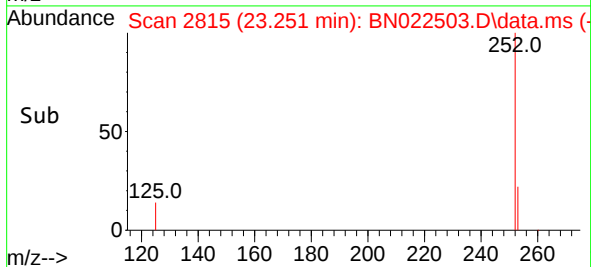
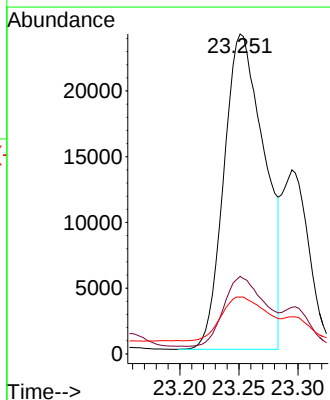
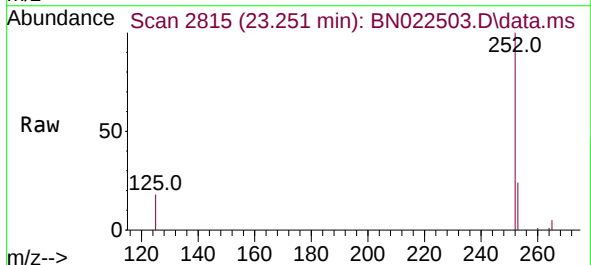
Manual Integrations
APPROVED

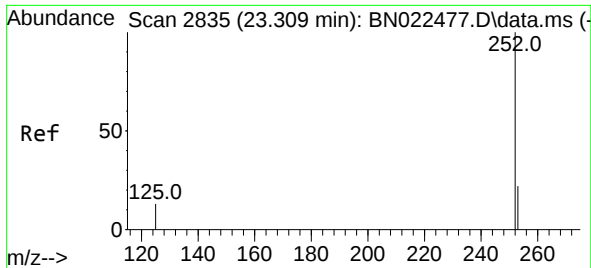
Reviewed By : Christian Giraldo 11/04/2022
Supervised By : Sohil Jodhani 11/04/2022



#37
Benzo(b)fluoranthene
Concen: 1.924 ng
RT: 23.251 min Scan# 2815
Delta R.T. -0.009 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Tgt Ion: 252 Resp: 57465
Ion Ratio Lower Upper
252 100
253 24.3 21.1 31.7
125 17.7 16.8 25.2





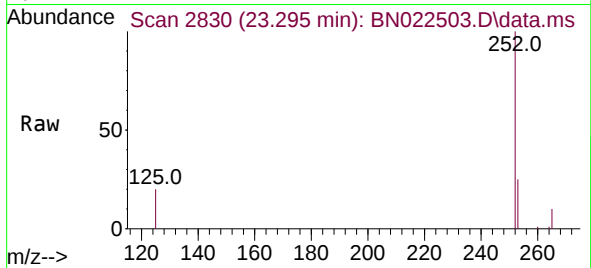
#38
Benzo(k)fluoranthene
Concen: 0.725 ng m
RT: 23.295 min Scan# 2835
Delta R.T. -0.015 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

Instrument :

BNA_N

ClientSampleId :

S-3-103122DL

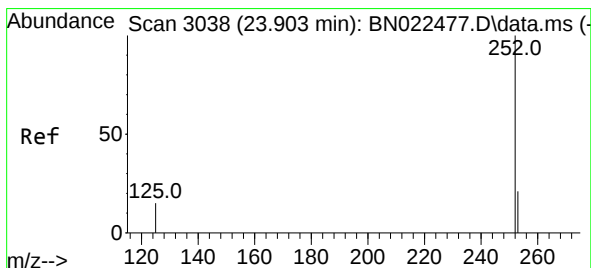
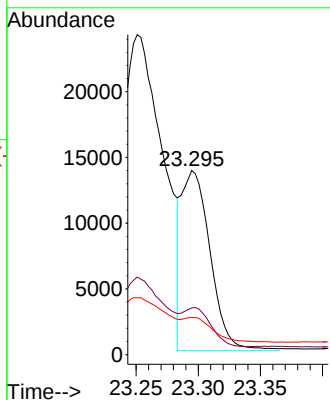
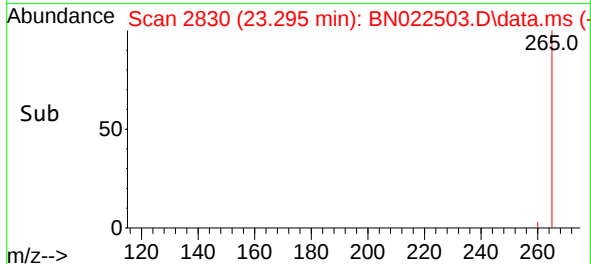


Tgt Ion:252 Resp: 22062
Ion Ratio Lower Upper
252 100
253 25.4 20.9 31.3
125 20.2 16.1 24.1

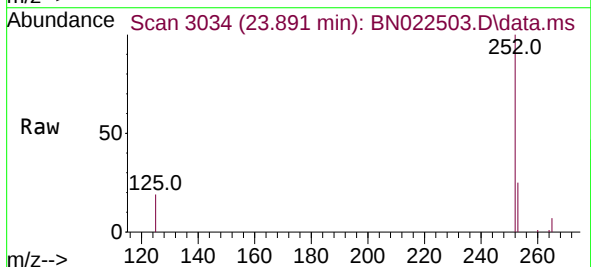
Manual Integrations

APPROVED

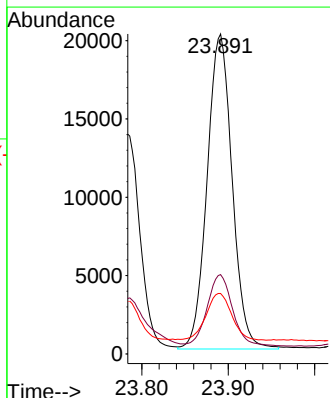
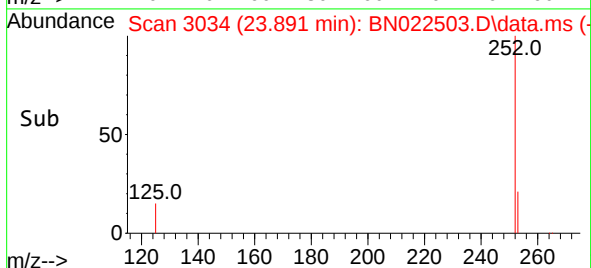
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

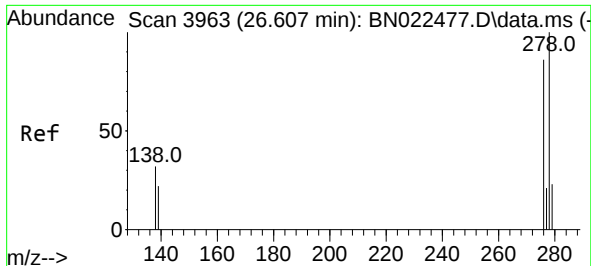


#39
Benzo(a)pyrene
Concen: 1.585 ng m
RT: 23.891 min Scan# 3034
Delta R.T. -0.012 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12



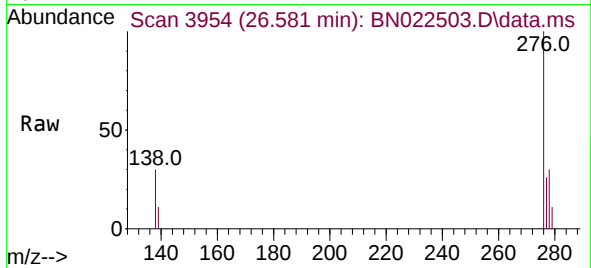
Tgt Ion:252 Resp: 40552
Ion Ratio Lower Upper
252 100
253 24.8 22.0 33.0
125 18.9 19.8 29.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.226 ng
RT: 26.581 min Scan# 3963
Delta R.T. -0.026 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12

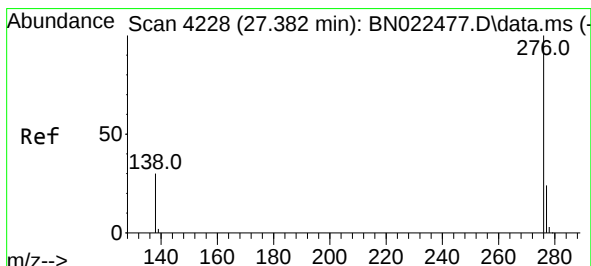
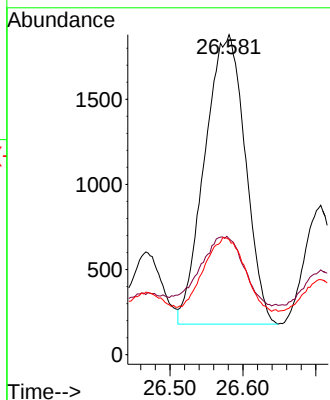
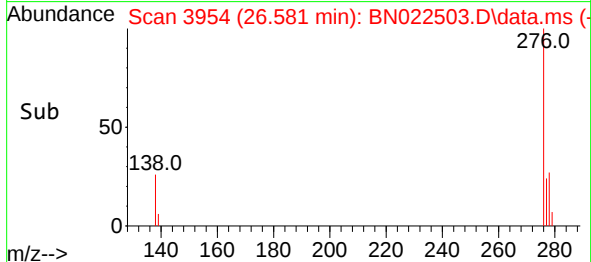
Instrument :
BNA_N
ClientSampleId :
S-3-103122DL



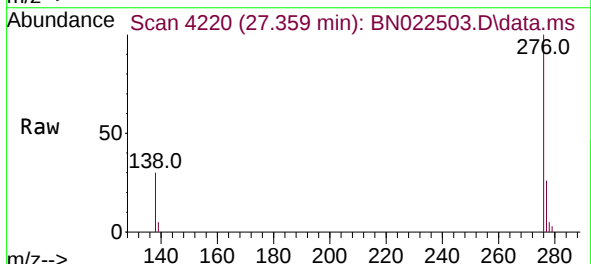
Tgt Ion: 278 Resp: 6563
Ion Ratio Lower Upper
278 100
139 36.2 21.8 32.6
279 36.0 21.5 32.3

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.826 ng
RT: 27.359 min Scan# 4220
Delta R.T. -0.023 min
Lab File: BN022503.D
Acq: 04 Nov 2022 08:12



Tgt Ion: 276 Resp: 25536
Ion Ratio Lower Upper
276 100
277 25.6 21.0 31.4
138 30.2 26.0 39.0

