

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012622\
 Data File : BN018479.D
 Acq On : 26 Jan 2022 17:15
 Operator : CG/JU
 Sample : N1245-04DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-2(2.5-3)DL

Quant Time: Jan 27 05:35:44 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 24 18:25:49 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/27/2022
 Supervised By :Jagrut Upadhyay 01/28/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	36279	0.400	ng	-0.02
7) Naphthalene-d8	10.749	136	158979	0.400	ng	#-0.01
13) Acenaphthene-d10	14.573	164	91649	0.400	ng	0.00
19) Phenanthrene-d10	17.310	188	178101	0.400	ng	# 0.00
29) Chrysene-d12	21.482	240	164115	0.400	ng	-0.01
35) Perylene-d12	23.888	264	155671	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.512	112	10663	0.118	ng	0.00
5) Phenol-d6	7.098	99	10973	0.112	ng	0.00
8) Nitrobenzene-d5	9.101	82	12302m	0.134	ng	-0.01
11) 2-Methylnaphthalene-d10	12.336	152	29005	0.109	ng	-0.01
14) 2,4,6-Tribromophenol	16.044	330	3310	0.120	ng	-0.01
15) 2-Fluorobiphenyl	13.203	172	39843	0.121	ng	-0.01
27) Fluoranthene-d10	19.331	212	57261	0.107	ng	0.00
31) Terphenyl-d14	19.927	244	46612	0.091	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.799	128	54537	0.141	ng	100
12) 2-Methylnaphthalene	12.407	142	23001	0.085	ng	99
16) Acenaphthylene	14.281	152	17050	0.050	ng	# 97
17) Acenaphthene	14.624	154	59926	0.248	ng	99
18) Fluorene	15.614	166	75695m	0.260	ng	
25) Phenanthrene	17.346	178	1138383m	2.408	ng	
26) Anthracene	17.431	178	258136	0.646	ng	# 93
28) Fluoranthene	19.361	202	1231663	2.384	ng	# 97
30) Pyrene	19.723	202	1026319	1.465	ng	# 95
32) Benzo(a)anthracene	21.461	228	740377	1.425	ng	98
33) Chrysene	21.514	228	553304	1.076	ng	97
34) Bis(2-ethylhexyl)phtha...	21.397	149	19744	0.048	ng	100
36) Indeno(1,2,3-cd)pyrene	26.384	276	239966	0.867	ng	97
37) Benzo(b)fluoranthene	23.156	252	741843	1.323	ng	# 96
38) Benzo(k)fluoranthene	23.197	252	252865m	0.513	ng	
39) Benzo(a)pyrene	23.779	252	489676	1.193	ng	# 97
40) Dibenzo(a,h)anthracene	26.394	278	70236	0.423	ng	# 88
41) Benzo(g,h,i)perylene	27.150	276	203738	0.724	ng	# 94

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

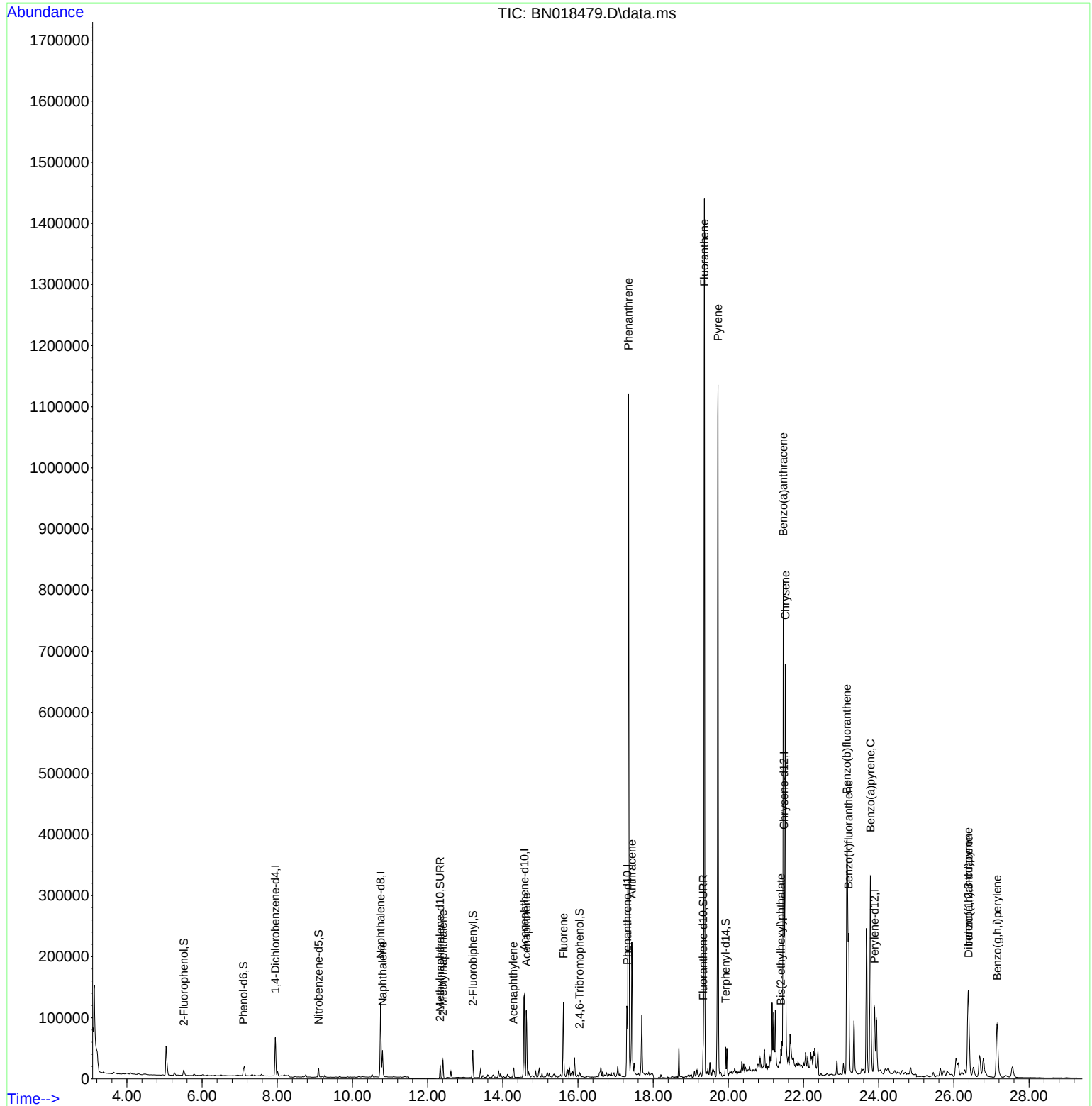
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012622\
Data File : BN018479.D
Acq On : 26 Jan 2022 17:15
Operator : CG/JU
Sample : N1245-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

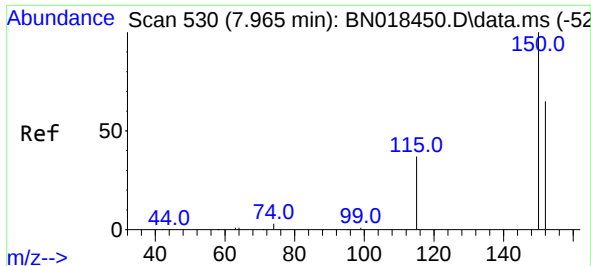
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)DL

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 01/27/2022
Supervised By : Jagrut Upadhyay 01/28/2022

Quant Time: Jan 27 05:35:44 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 24 18:25:49 2022
Response via : Initial Calibration





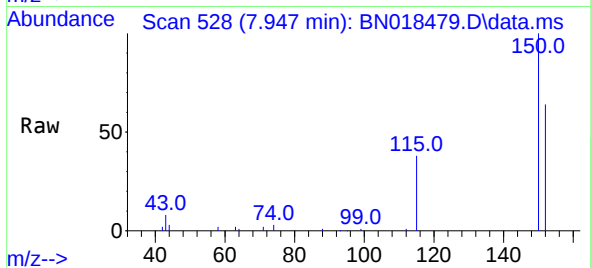
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.947 min Scan# 51
Delta R.T. -0.018 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

ClientSampleId :

SB-2(2.5-3)DL

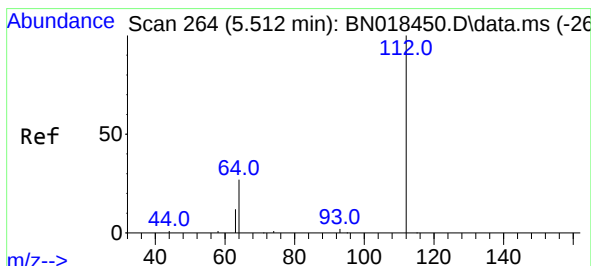
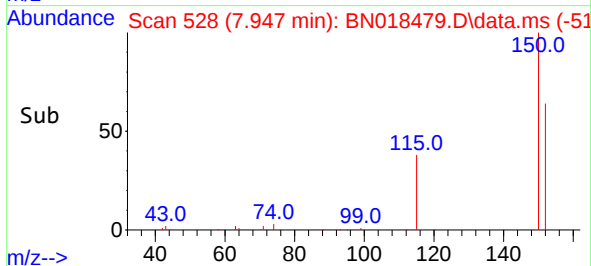
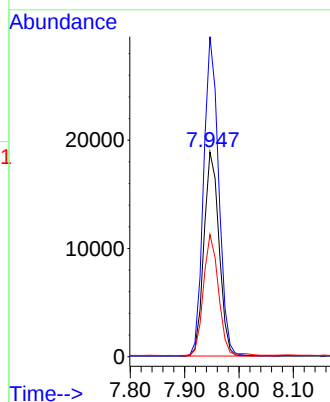


Tgt Ion:152 Resp: 36279
Ion Ratio Lower Upper
152 100
150 156.3 121.7 182.5
115 59.6 43.8 65.8

Manual Integrations

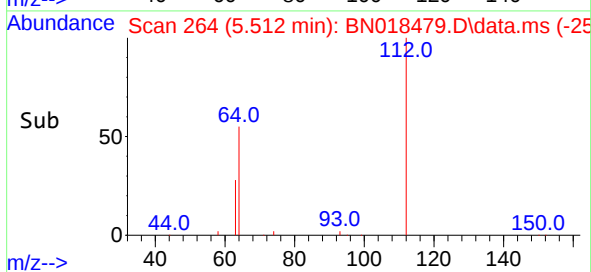
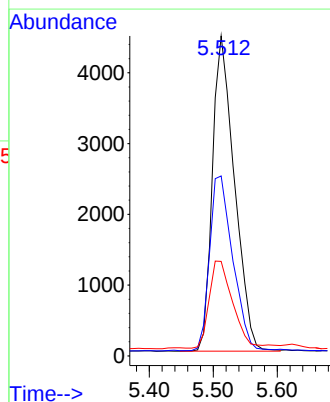
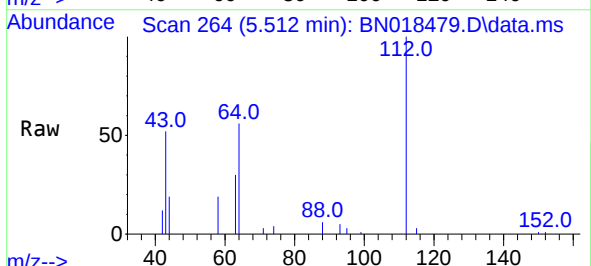
APPROVED

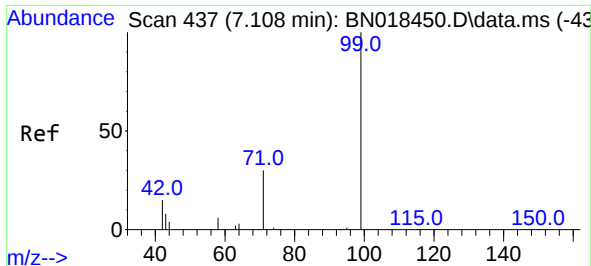
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022



#4
2-Fluorophenol
Concen: 0.118 ng
RT: 5.512 min Scan# 264
Delta R.T. -0.000 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Tgt Ion:112 Resp: 10663
Ion Ratio Lower Upper
112 100
64 58.4 48.0 72.0
63 29.3 25.3 37.9





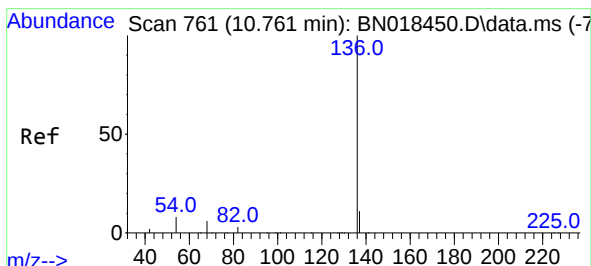
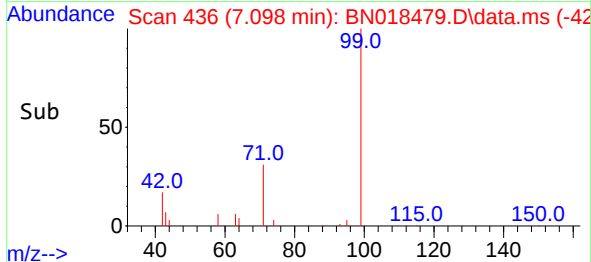
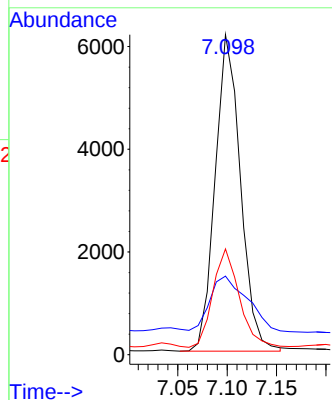
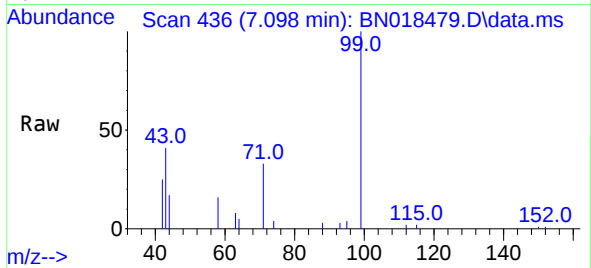
#5
Phenol-d6
Concen: 0.112 ng
RT: 7.098 min Scan# 41
Delta R.T. -0.009 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)DL

Tgt Ion: 99 Resp: 1097
Ion Ratio Lower Upper
99 100
42 25.0 16.3 24.5
71 32.5 26.8 40.2

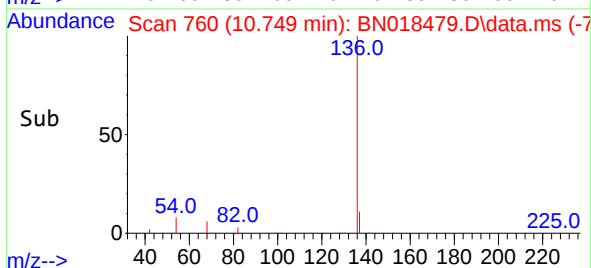
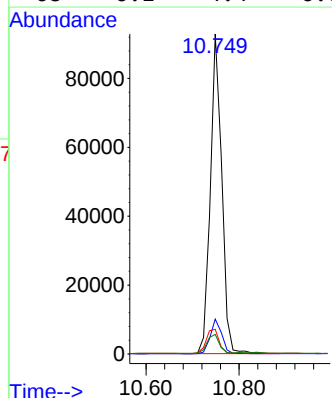
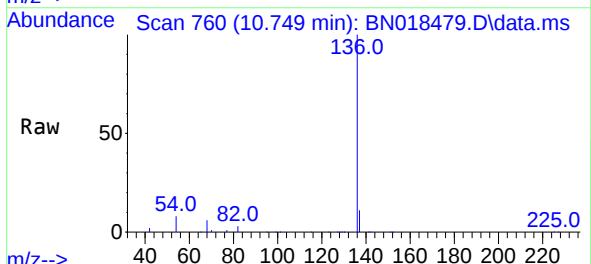
Manual Integrations
APPROVED

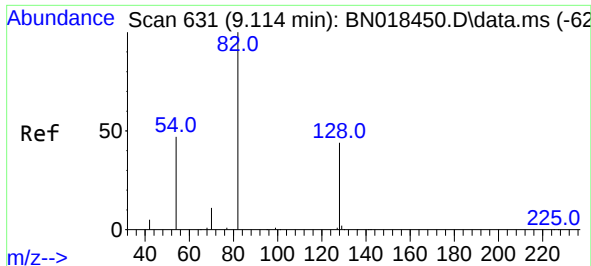
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.749 min Scan# 760
Delta R.T. -0.013 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Tgt Ion:136 Resp: 158979
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.7 5.0 7.6
68 6.1 4.4 6.6





#8
Nitrobenzene-d5
Concen: 0.134 ng m
RT: 9.101 min Scan# 61
Delta R.T. -0.013 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

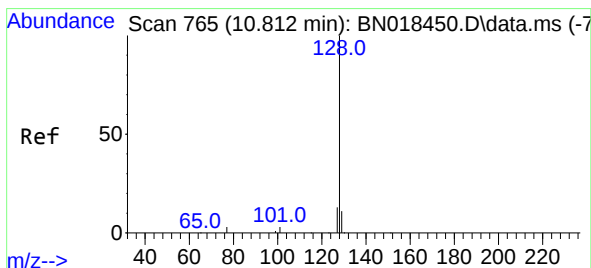
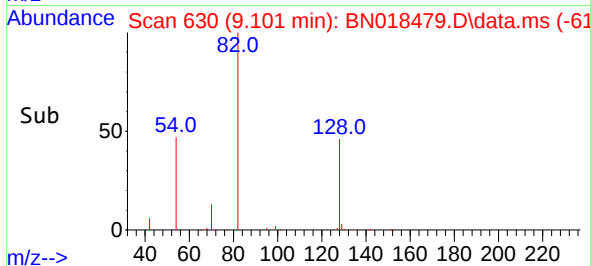
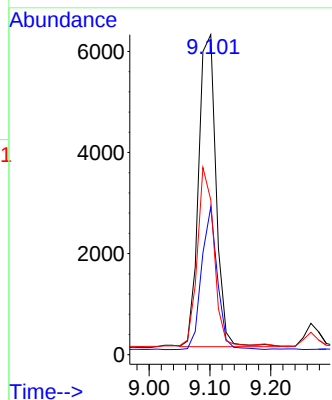
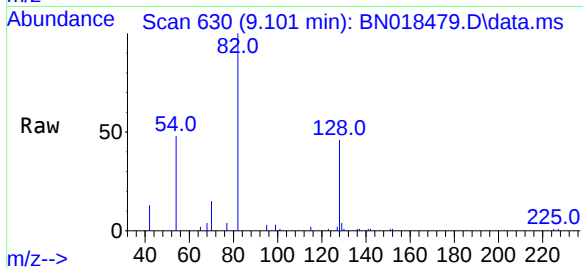
ClientSampleId :

SB-2(2.5-3)DL

Tgt Ion: 82 Resp: 1230
Ion Ratio Lower Upper
82 100
128 46.2 33.7 50.5
54 48.4 36.6 55.0

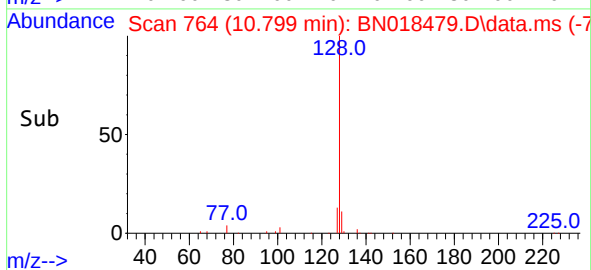
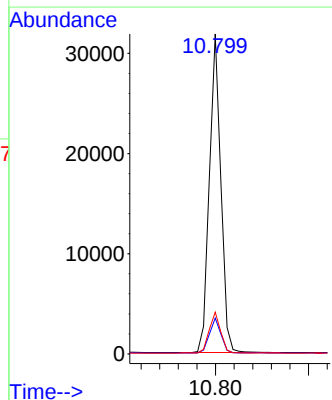
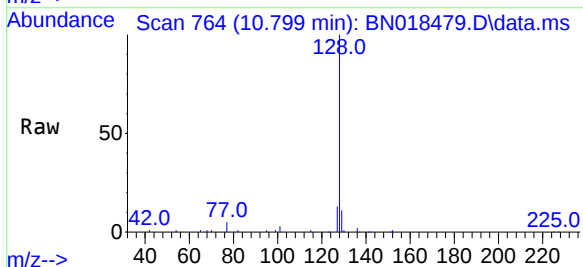
Manual Integrations
APPROVED

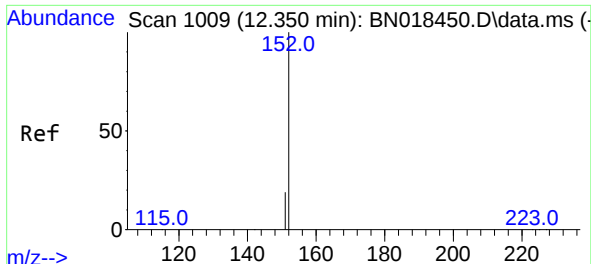
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022



#9
Naphthalene
Concen: 0.141 ng
RT: 10.799 min Scan# 764
Delta R.T. -0.013 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

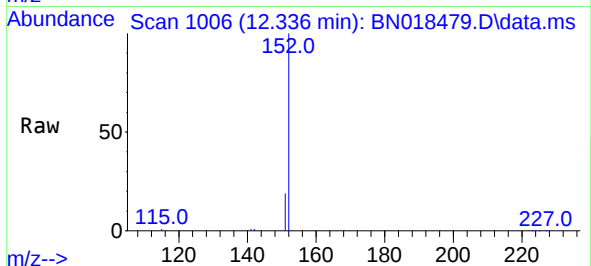
Tgt Ion:128 Resp: 54537
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.1 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.109 ng
RT: 12.336 min Scan# 1006
Delta R.T. -0.013 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

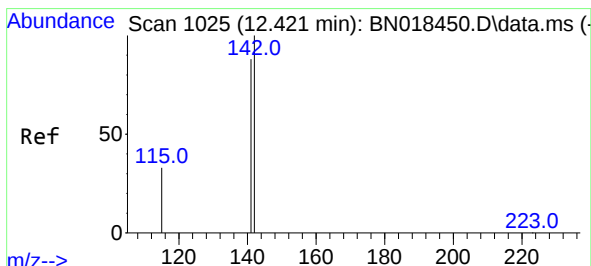
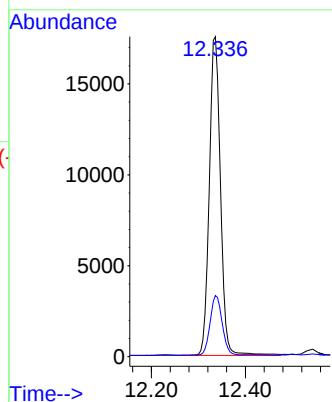
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)DL



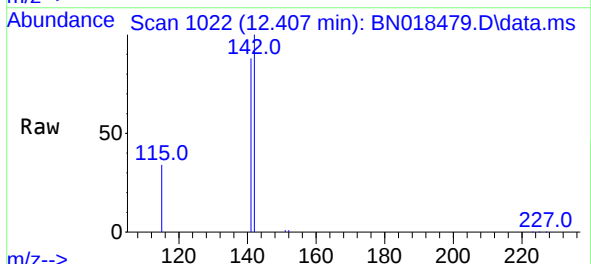
Tgt Ion:152 Resp: 2900
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2

Manual Integrations
APPROVED

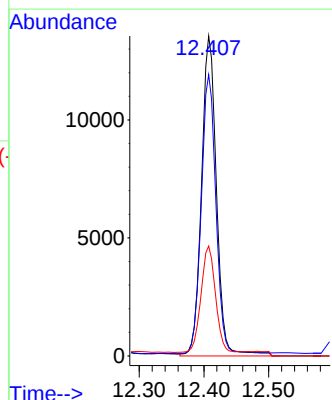
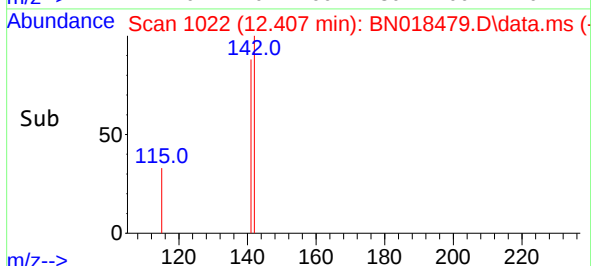
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022

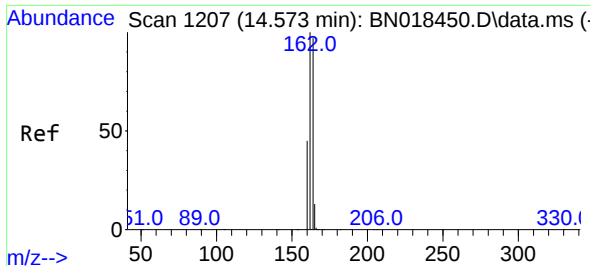


#12
2-Methylnaphthalene
Concen: 0.085 ng
RT: 12.407 min Scan# 1022
Delta R.T. -0.013 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15



Tgt Ion:142 Resp: 23001
Ion Ratio Lower Upper
142 100
141 87.9 70.0 105.0
115 34.4 27.8 41.8





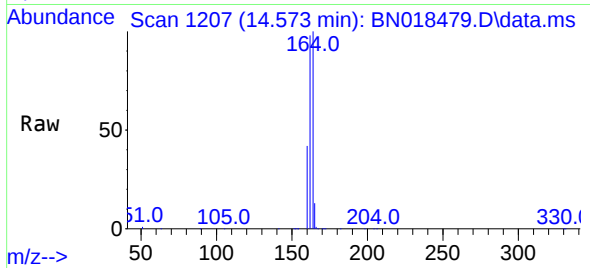
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

ClientSampleId :

SB-2(2.5-3)DL

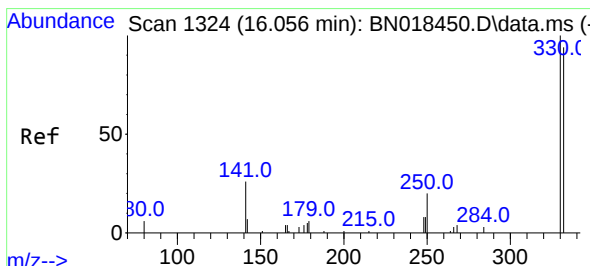
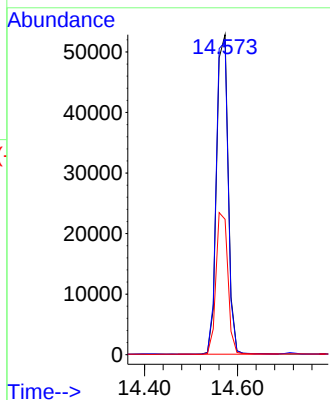
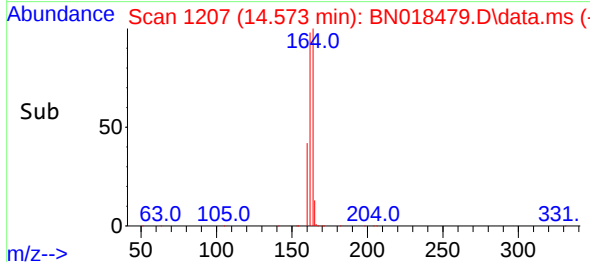


Tgt Ion:164 Resp: 91649
Ion Ratio Lower Upper
164 100
162 97.7 80.2 120.2
160 42.3 36.9 55.3

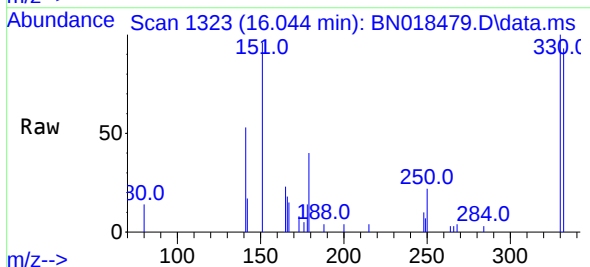
Manual Integrations

APPROVED

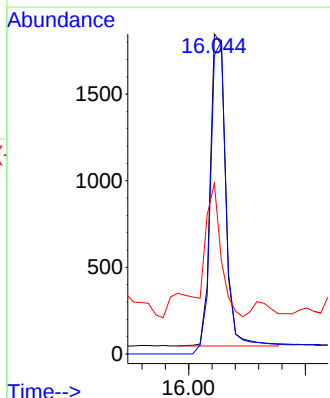
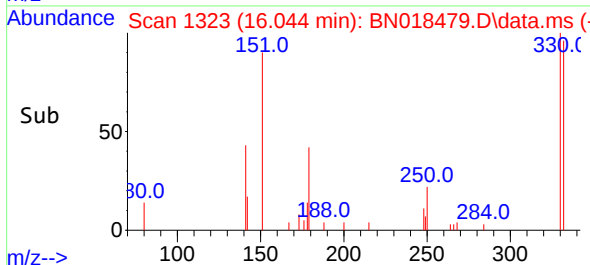
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022

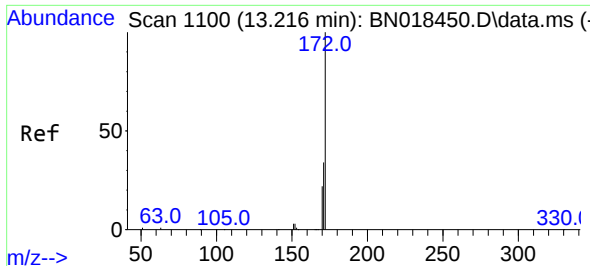


#14
2,4,6-Tribromophenol
Concen: 0.120 ng
RT: 16.044 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15



Tgt Ion:330 Resp: 3310
Ion Ratio Lower Upper
330 100
332 108.8 0.0 0.0#
141 42.7 21.3 31.9#





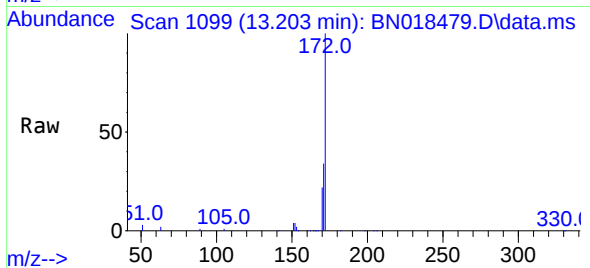
#15
2-Fluorobiphenyl
Concen: 0.121 ng
RT: 13.203 min Scan# 1100
Delta R.T. -0.013 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

ClientSampleId :

SB-2(2.5-3)DL

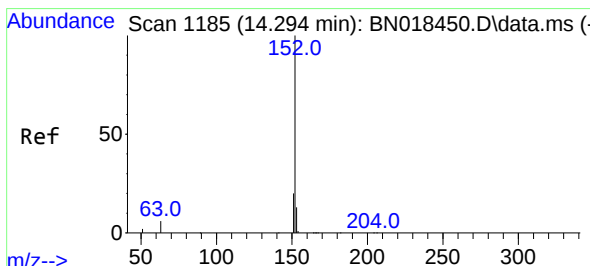
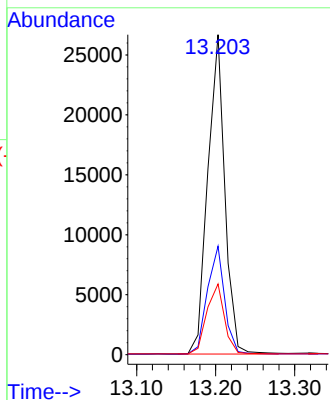
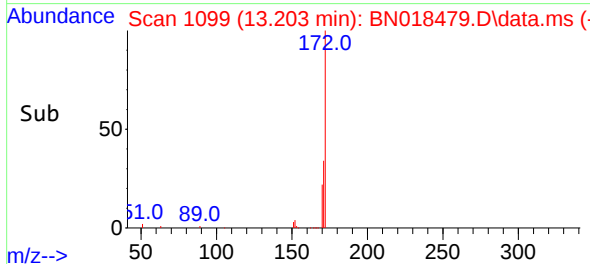


Tgt Ion:172 Resp: 3984
Ion Ratio Lower Upper
172 100
171 33.9 27.4 41.0
170 22.1 18.4 27.6

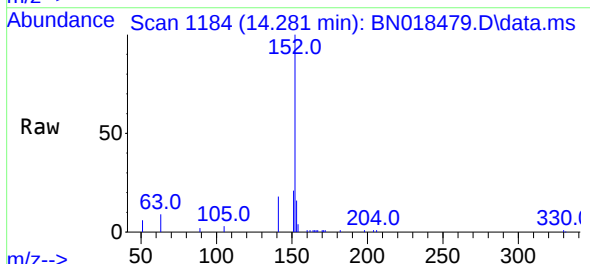
Manual Integrations

APPROVED

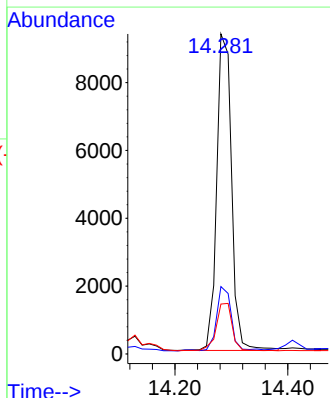
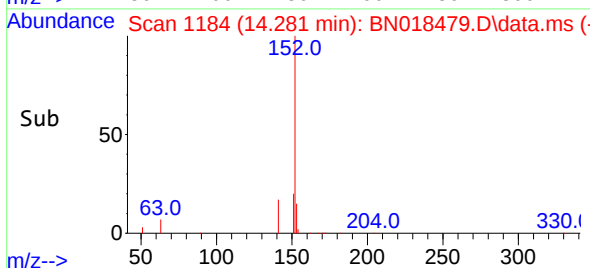
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022

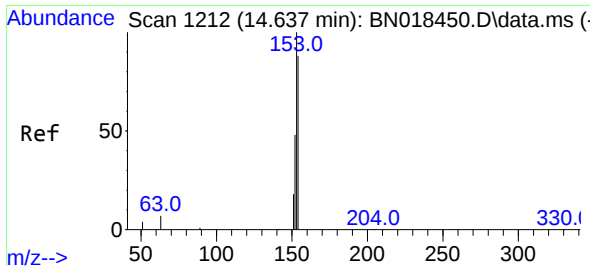


#16
Acenaphthylene
Concen: 0.050 ng
RT: 14.281 min Scan# 1184
Delta R.T. -0.013 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15



Tgt Ion:152 Resp: 17050
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.6
153 16.1 10.5 15.7#





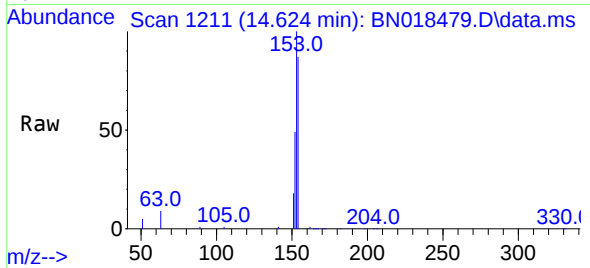
#17
Acenaphthene
Concen: 0.248 ng
RT: 14.624 min Scan# 1211
Delta R.T. -0.013 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

ClientSampleId :

SB-2(2.5-3)DL

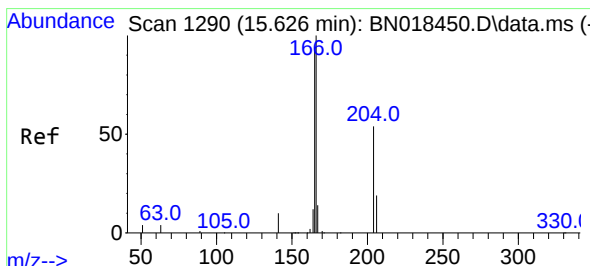
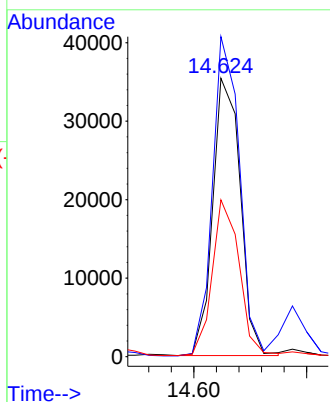
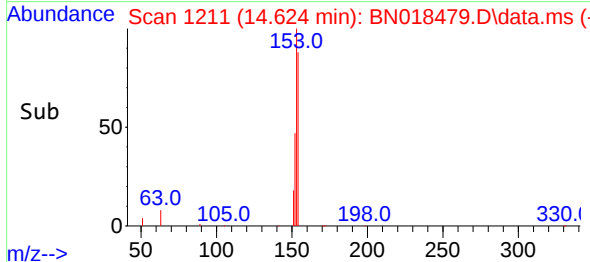


Tgt Ion:154 Resp: 59920
Ion Ratio Lower Upper
154 100
153 112.6 90.9 136.3
152 55.9 45.0 67.4

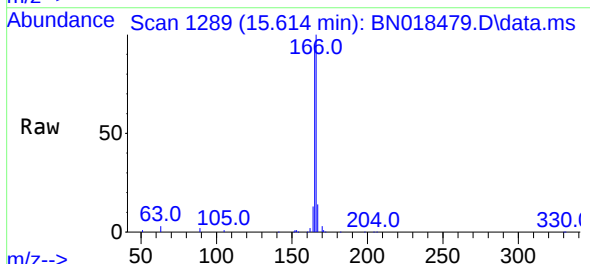
Manual Integrations

APPROVED

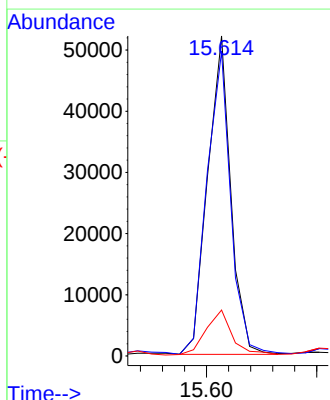
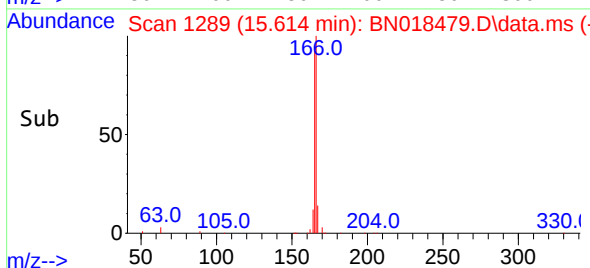
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022

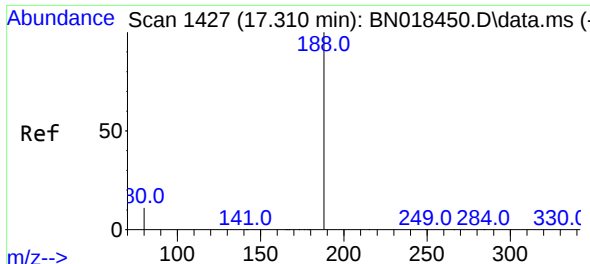


#18
Fluorene
Concen: 0.260 ng m
RT: 15.614 min Scan# 1289
Delta R.T. -0.013 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15



Tgt Ion:166 Resp: 75695
Ion Ratio Lower Upper
166 100
165 96.9 77.8 116.6
167 16.0 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.310 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

ClientSampleId :

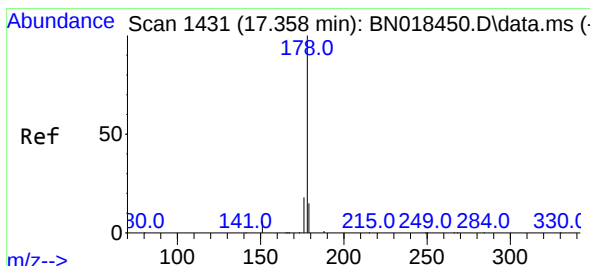
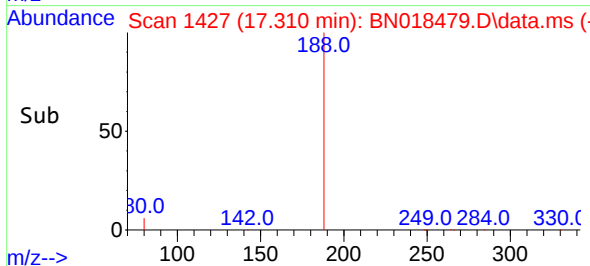
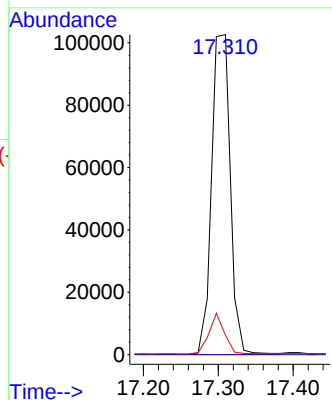
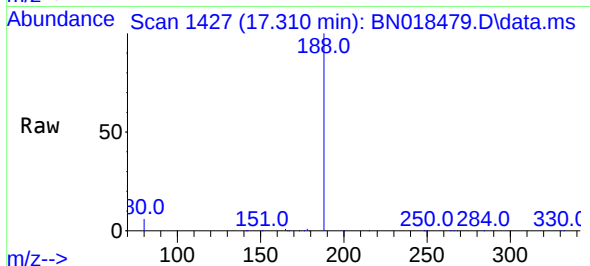
SB-2(2.5-3)DL

Tgt Ion:188 Resp: 17810
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.1 7.0 10.4

Manual Integrations

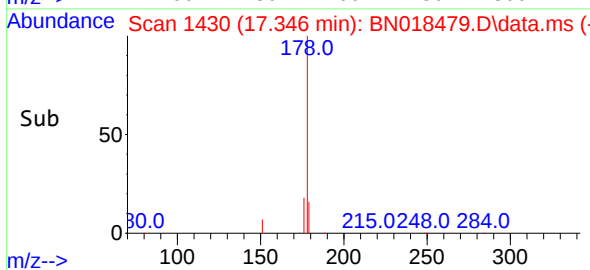
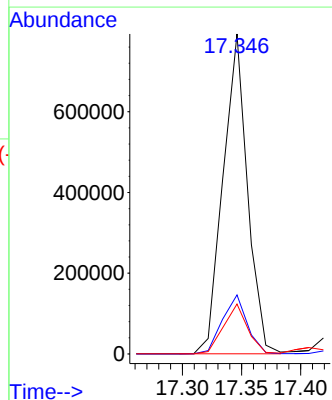
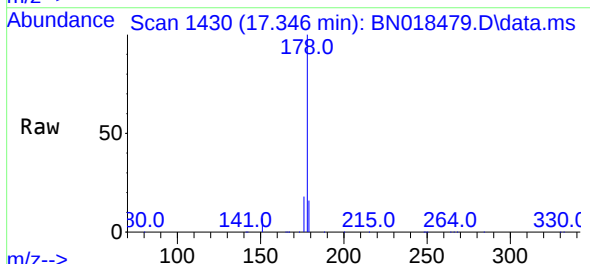
APPROVED

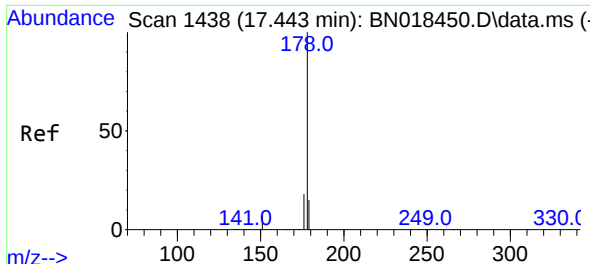
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022



#25
Phenanthrene
Concen: 2.408 ng m
RT: 17.346 min Scan# 1430
Delta R.T. -0.012 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Tgt Ion:178 Resp: 1138383
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.6 12.3 18.5





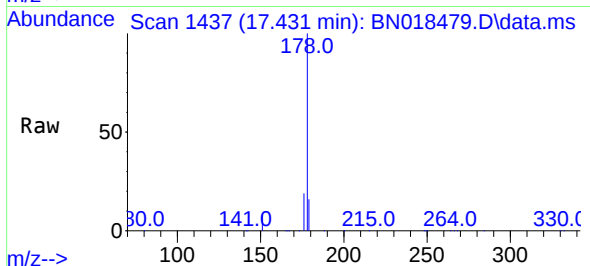
#26
 Anthracene
 Concen: 0.646 ng
 RT: 17.431 min Scan# 1438
 Delta R.T. -0.012 min
 Lab File: BN018479.D
 Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

ClientSampleId :

SB-2(2.5-3)DL

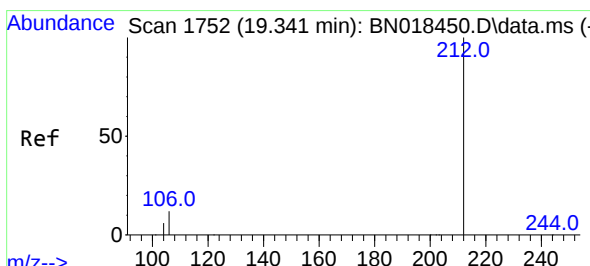
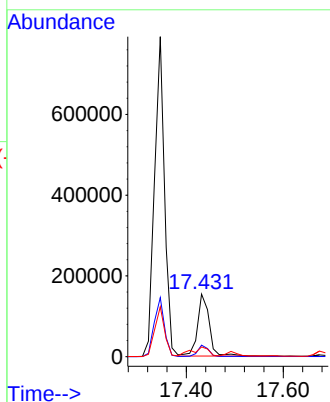
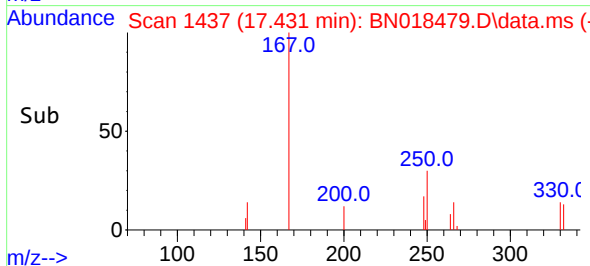


Tgt Ion:178 Resp: 258130
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.8 22.2
 179 20.5 12.2 18.4

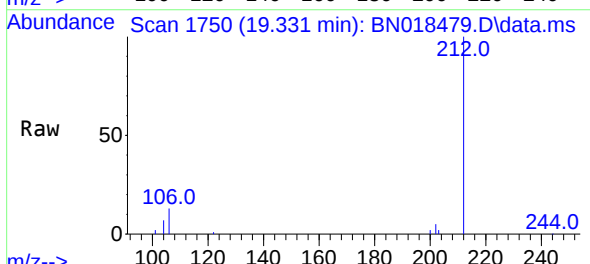
Manual Integrations

APPROVED

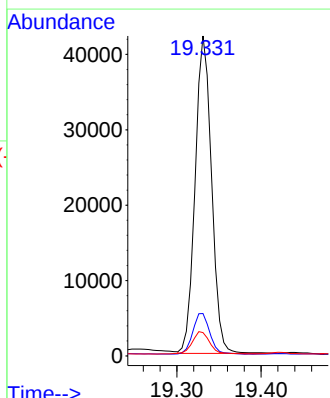
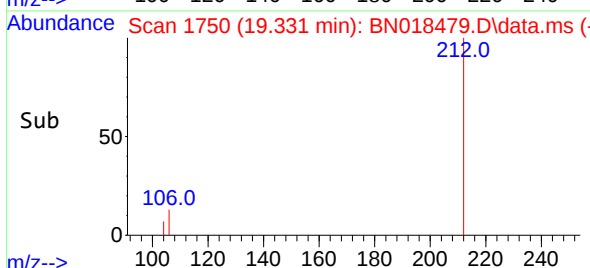
Reviewed By :Christian Giraldo 01/27/2022
 Supervised By :Jagrut Upadhyay 01/28/2022

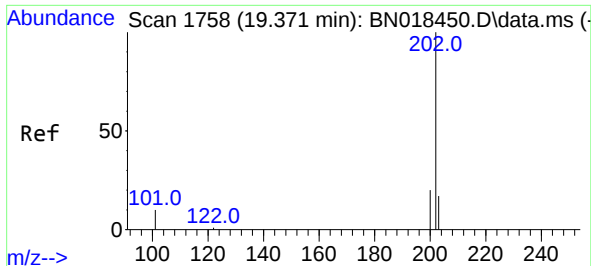


#27
 Fluoranthene-d10
 Concen: 0.107 ng
 RT: 19.331 min Scan# 1750
 Delta R.T. -0.010 min
 Lab File: BN018479.D
 Acq: 26 Jan 2022 17:15



Tgt Ion:212 Resp: 57261
 Ion Ratio Lower Upper
 212 100
 106 13.3 8.4 12.6#
 104 7.6 4.5 6.7#





#28
Fluoranthene
Concen: 2.384 ng
RT: 19.361 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

ClientSampleId :

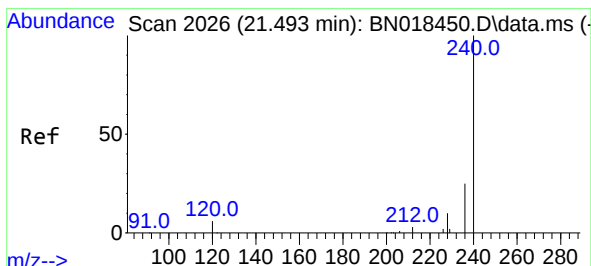
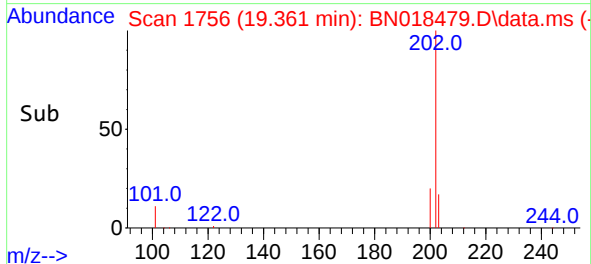
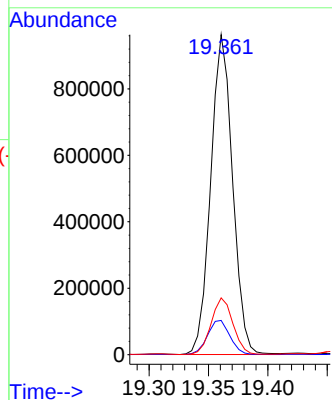
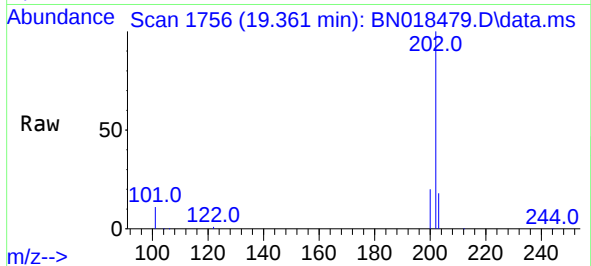
SB-2(2.5-3)DL

Tgt Ion:202 Resp: 123166
Ion Ratio Lower Upper
202 100
101 11.0 7.2 10.8
203 17.6 13.7 20.5

Manual Integrations

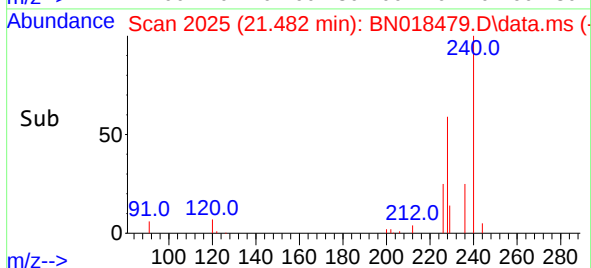
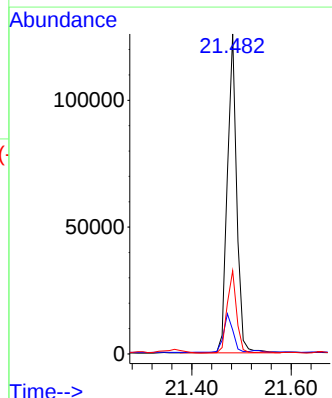
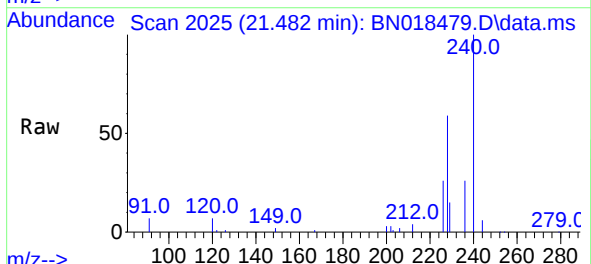
APPROVED

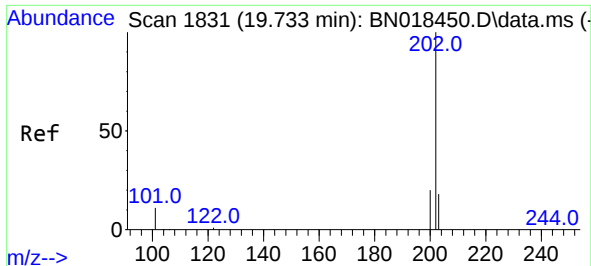
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.482 min Scan# 2025
Delta R.T. -0.011 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Tgt Ion:240 Resp: 164115
Ion Ratio Lower Upper
240 100
120 7.5 6.0 9.0
236 26.0 21.4 32.2





#30
Pyrene
Concen: 1.465 ng
RT: 19.723 min Scan# 1829
Delta R.T. -0.010 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

ClientSampleId :

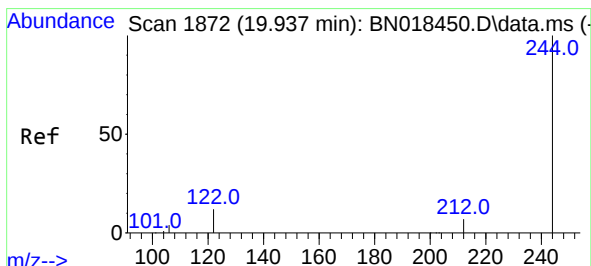
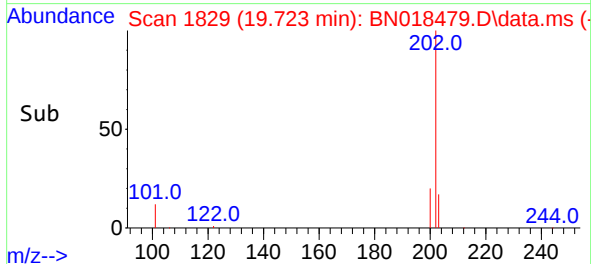
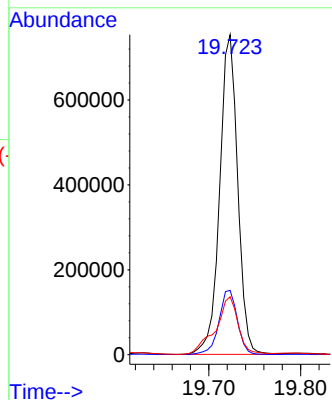
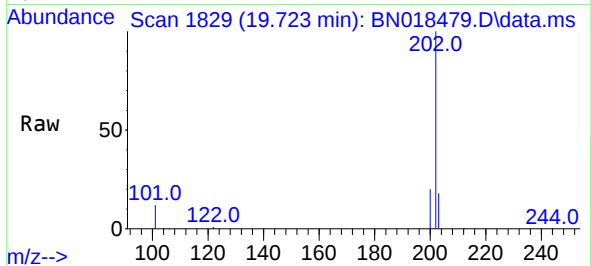
SB-2(2.5-3)DL

Tgt Ion:202 Resp: 1026319
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 22.6 14.1 21.1

Manual Integrations

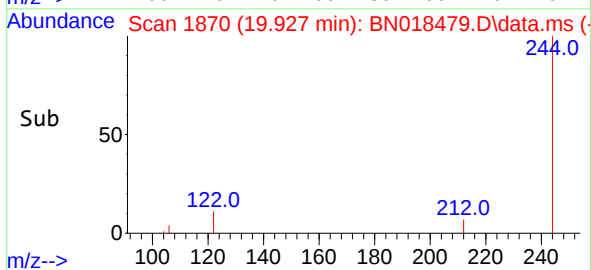
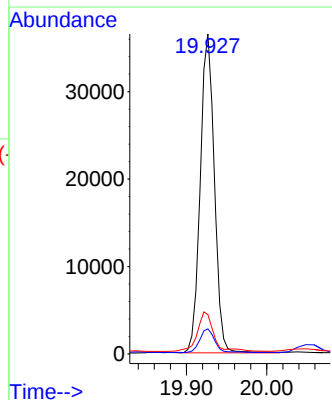
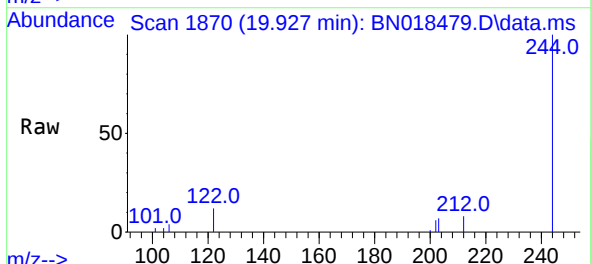
APPROVED

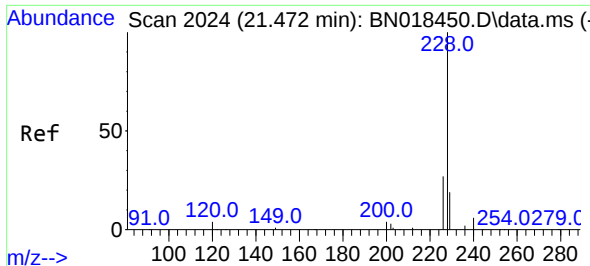
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022



#31
Terphenyl-d14
Concen: 0.091 ng
RT: 19.927 min Scan# 1870
Delta R.T. -0.010 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Tgt Ion:244 Resp: 46612
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.2
122 12.3 7.9 11.9





#32
Benzo(a)anthracene
Concen: 1.425 ng
RT: 21.461 min Scan# 2023
Delta R.T. -0.011 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

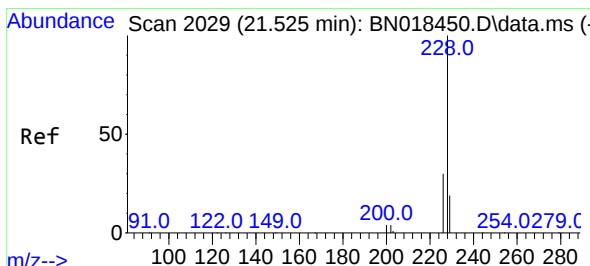
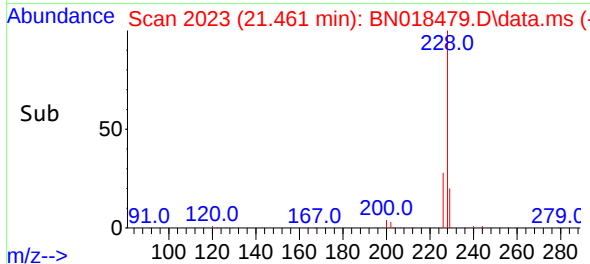
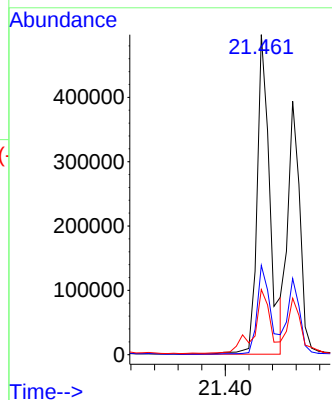
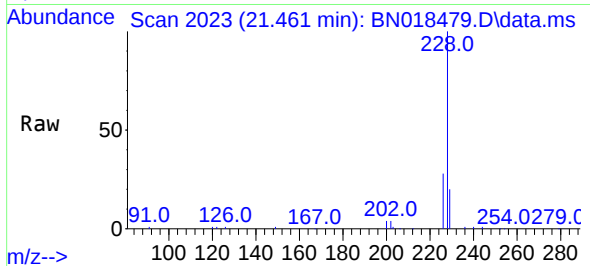
ClientSampleId :

SB-2(2.5-3)DL

Tgt Ion:228 Resp: 74037
Ion Ratio Lower Upper
228 100
226 27.9 21.3 31.9
229 20.4 15.9 23.9

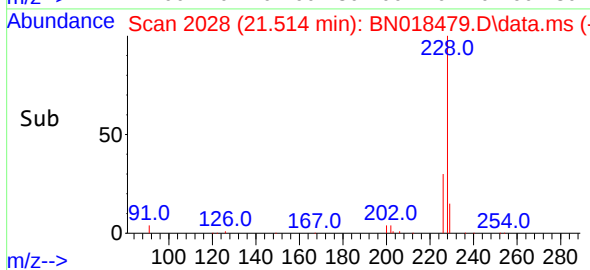
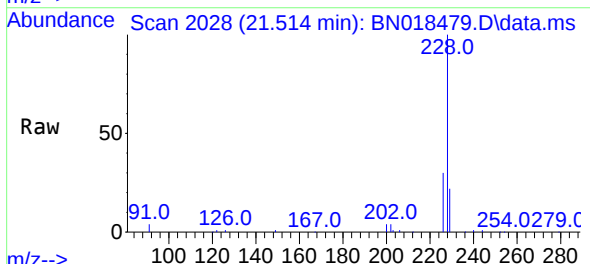
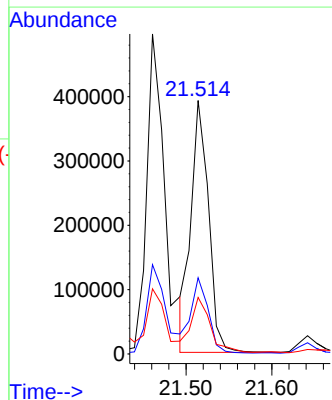
Manual Integrations
APPROVED

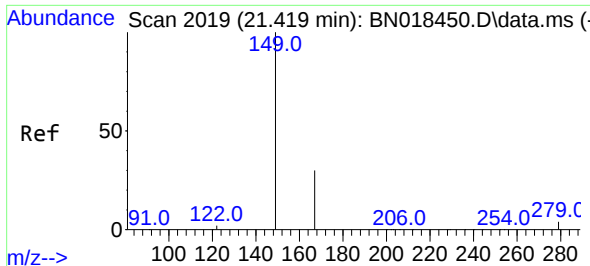
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022



#33
Chrysene
Concen: 1.076 ng
RT: 21.514 min Scan# 2028
Delta R.T. -0.011 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Tgt Ion:228 Resp: 553304
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.4
229 22.3 15.5 23.3





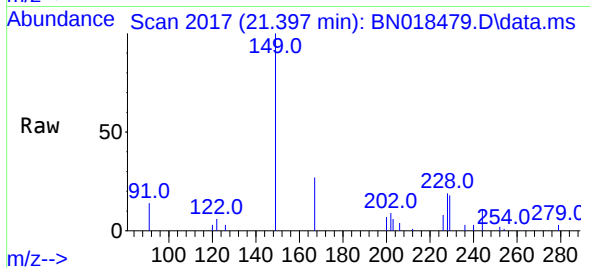
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.048 ng
RT: 21.397 min Scan# 2017
Delta R.T. -0.021 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

ClientSampleId :

SB-2(2.5-3)DL

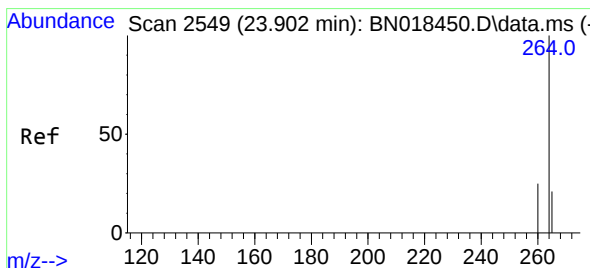
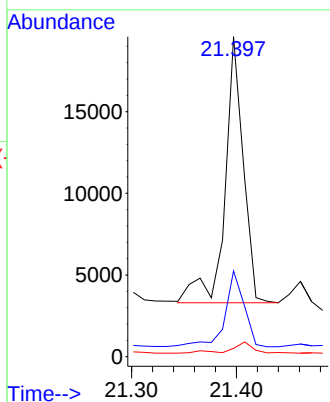
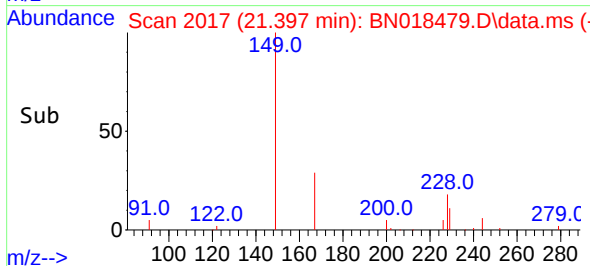


Tgt Ion:149 Resp: 19744
Ion Ratio Lower Upper
149 100
167 29.6 23.7 35.5
279 5.1 3.6 5.4

Manual Integrations

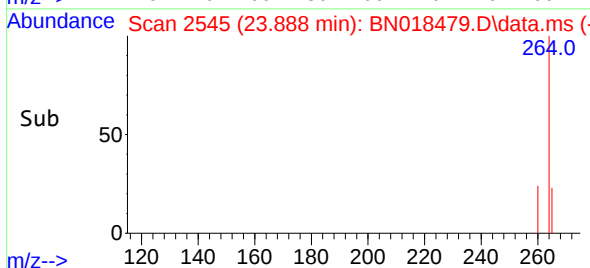
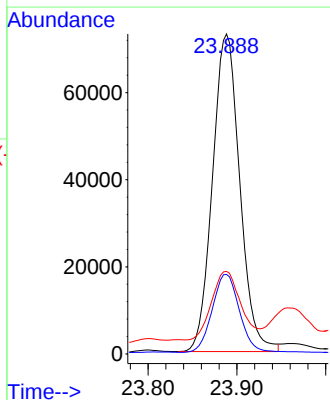
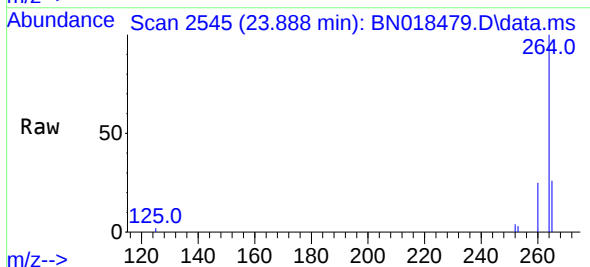
APPROVED

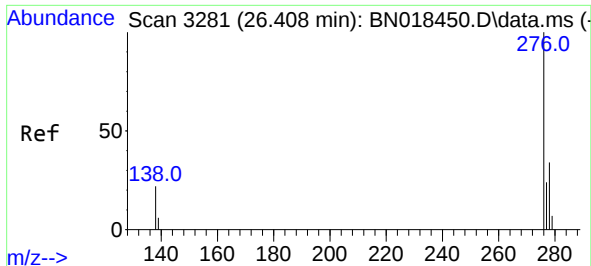
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.888 min Scan# 2545
Delta R.T. -0.014 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

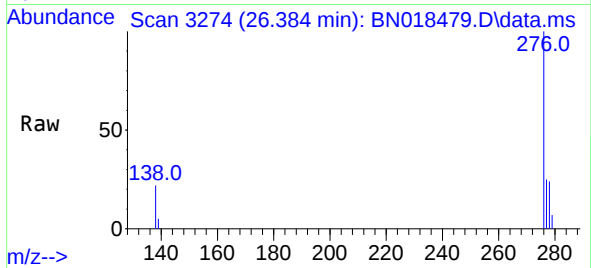
Tgt Ion:264 Resp: 155671
Ion Ratio Lower Upper
264 100
260 24.8 20.2 30.4
265 25.8 18.2 27.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.867 ng
RT: 26.384 min Scan# 31
Delta R.T. -0.024 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

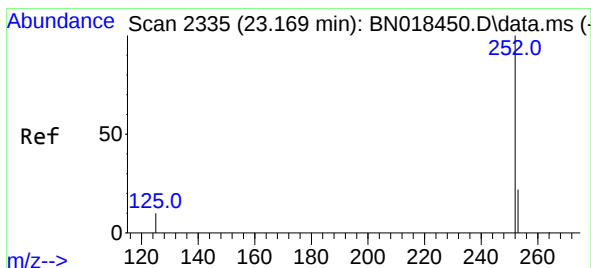
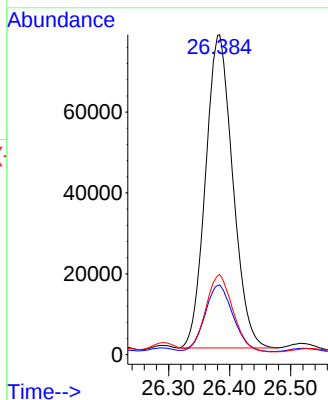
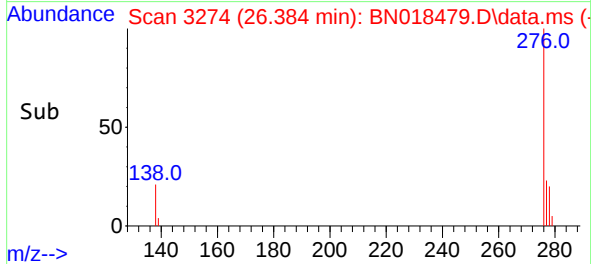
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)DL



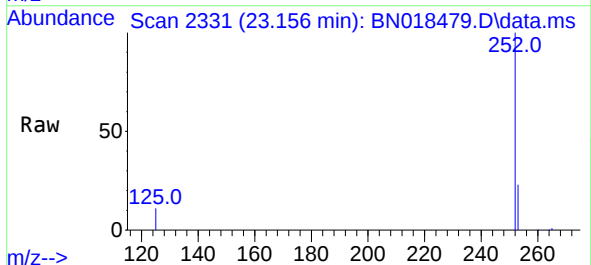
Tgt Ion:276 Resp: 239960
Ion Ratio Lower Upper
276 100
138 21.8 14.9 22.3
277 24.7 19.9 29.9

Manual Integrations
APPROVED

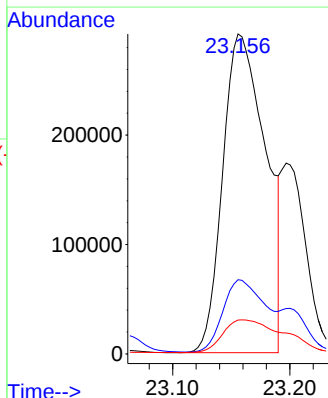
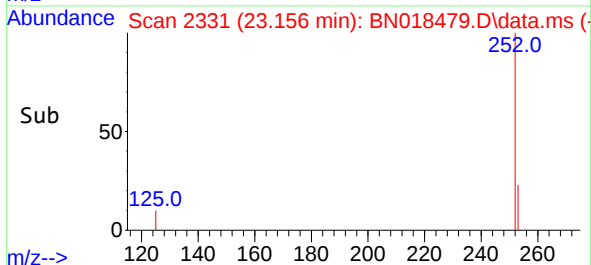
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022

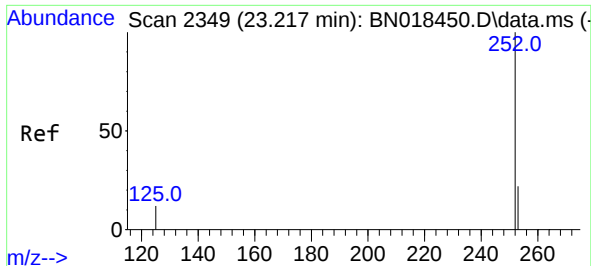


#37
Benzo(b)fluoranthene
Concen: 1.323 ng
RT: 23.156 min Scan# 2331
Delta R.T. -0.014 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15



Tgt Ion:252 Resp: 741843
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.6 6.0 9.0#





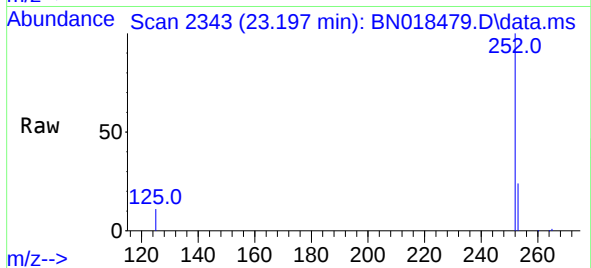
#38
Benzo(k)fluoranthene
Concen: 0.513 ng m
RT: 23.197 min Scan# 21
Delta R.T. -0.021 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

ClientSampleId :

SB-2(2.5-3)DL

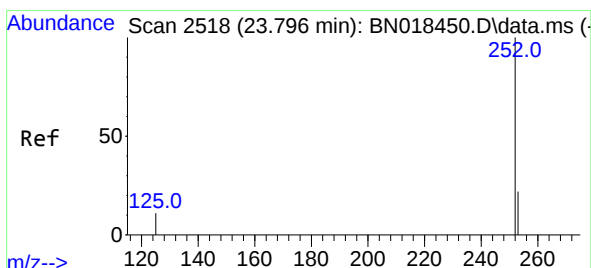
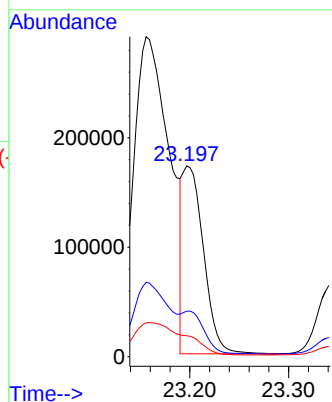


Tgt Ion:252 Resp: 25286
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 11.0 6.2 9.2

Manual Integrations

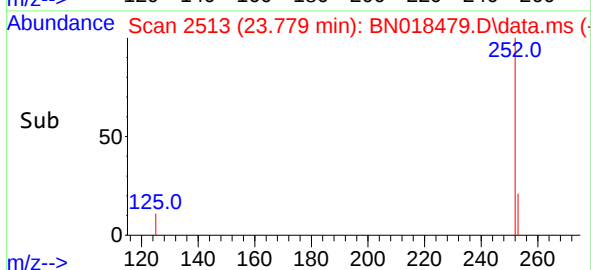
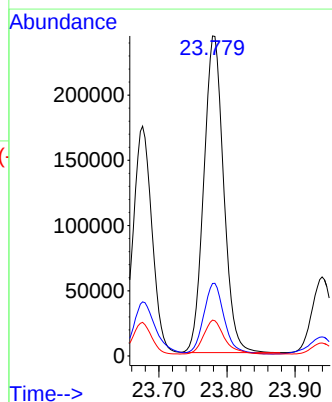
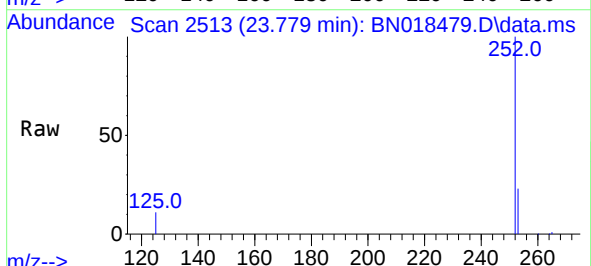
APPROVED

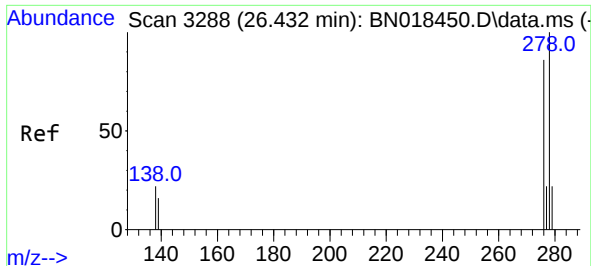
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022



#39
Benzo(a)pyrene
Concen: 1.193 ng
RT: 23.779 min Scan# 2513
Delta R.T. -0.017 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Tgt Ion:252 Resp: 489676
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 11.2 7.0 10.4





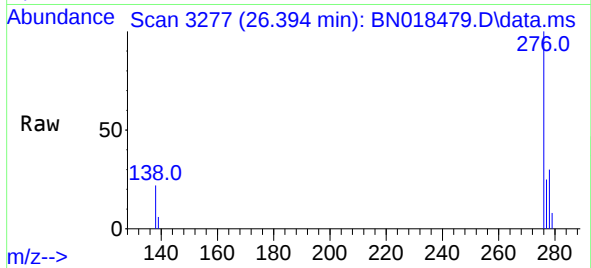
#40
Dibenzo(a,h)anthracene
Concen: 0.423 ng
RT: 26.394 min Scan# 31
Delta R.T. -0.038 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15

Instrument :

BNA_N

ClientSampleId :

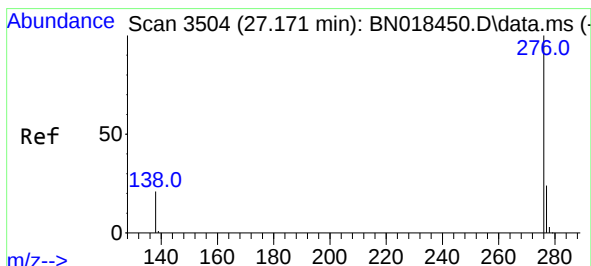
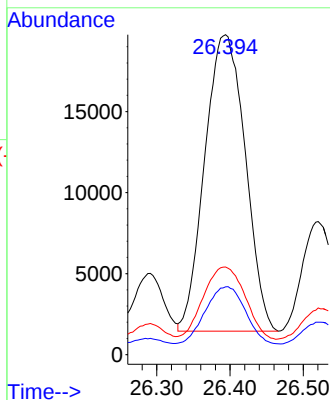
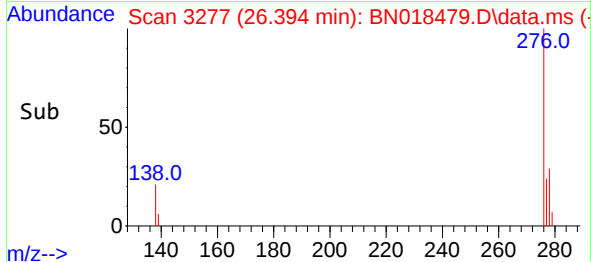
SB-2(2.5-3)DL



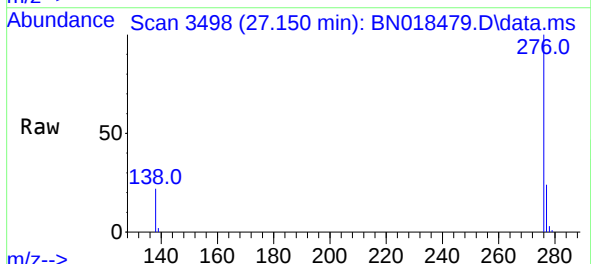
Tgt Ion:278 Resp: 70230
Ion Ratio Lower Upper
278 100
139 21.2 10.8 16.2
279 27.4 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/27/2022
Supervised By :Jagrut Upadhyay 01/28/2022



#41
Benzo(g,h,i)perylene
Concen: 0.724 ng
RT: 27.150 min Scan# 3498
Delta R.T. -0.021 min
Lab File: BN018479.D
Acq: 26 Jan 2022 17:15



Tgt Ion:276 Resp: 203738
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.6
138 22.0 12.6 19.0#

