

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012522\
 Data File : BN018471.D
 Acq On : 25 Jan 2022 22:11
 Operator : CG/JU
 Sample : N1245-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-3(3-3.5)

Quant Time: Jan 26 04:08:35 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 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	33883	0.400	ng	0.00
7) Naphthalene-d8	10.761	136	154247	0.400	ng	# 0.00
13) Acenaphthene-d10	14.573	164	86714	0.400	ng	0.00
19) Phenanthrene-d10	17.309	188	168609	0.400	ng	# 0.00
29) Chrysene-d12	21.471	240	146488	0.400	ng	#-0.02
35) Perylene-d12	23.881	264	142514	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.531	112	23876	0.284	ng	0.02
5) Phenol-d6	7.107	99	26970	0.295	ng	0.00
8) Nitrobenzene-d5	9.101	82	27181m	0.305	ng	-0.01
11) 2-Methylnaphthalene-d10	12.336	152	63401	0.245	ng	-0.01
14) 2,4,6-Tribromophenol	16.056	330	9215	0.353	ng	0.00
15) 2-Fluorobiphenyl	13.203	172	85285	0.274	ng	-0.01
27) Fluoranthene-d10	19.331	212	117485	0.231	ng	-0.01
31) Terphenyl-d14	19.921	244	87089	0.191	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.799	128	65051	0.173	ng	99
12) 2-Methylnaphthalene	12.412	142	39124	0.150	ng	99
16) Acenaphthylene	14.294	152	24522	0.076	ng	# 94
17) Acenaphthene	14.636	154	9932	0.043	ng	# 81
18) Fluorene	15.613	166	13660	0.050	ng	# 79
25) Phenanthrene	17.346	178	352933m	0.789	ng	
26) Anthracene	17.431	178	74268	0.196	ng	96
28) Fluoranthene	19.361	202	969786	1.983	ng	# 97
30) Pyrene	19.718	202	889483	1.423	ng	# 95
32) Benzo(a)anthracene	21.461	228	697801	1.504	ng	97
33) Chrysene	21.514	228	611384	1.332	ng	97
34) Bis(2-ethylhexyl)phtha...	21.397	149	33929	0.093	ng	98
36) Indeno(1,2,3-cd)pyrene	26.377	276	295143	1.165	ng	97
37) Benzo(b)fluoranthene	23.149	252	862504	1.680	ng	# 96
38) Benzo(k)fluoranthene	23.193	252	290902m	0.644	ng	
39) Benzo(a)pyrene	23.775	252	552364	1.470	ng	# 96
40) Dibenzo(a,h)anthracene	26.387	278	80246	0.495	ng	# 84
41) Benzo(g,h,i)perylene	27.143	276	269847	1.047	ng	# 93

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

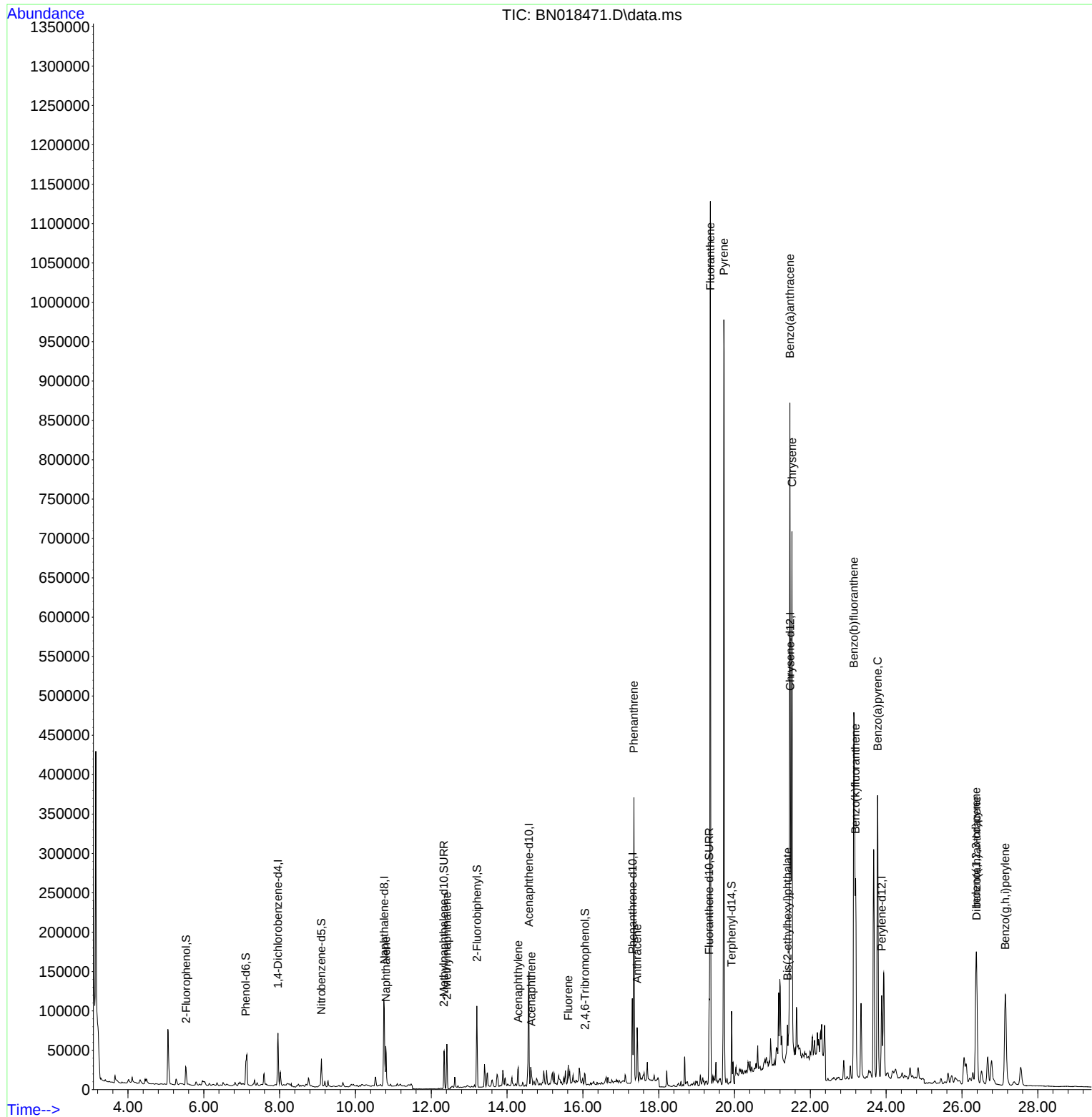
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012522\
Data File : BN018471.D
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Operator : CG/JU
Sample : N1245-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

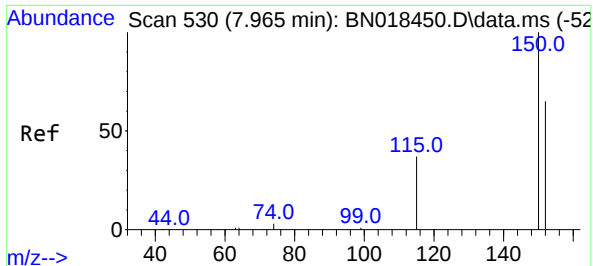
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)

Quant Time: Jan 26 04:08:35 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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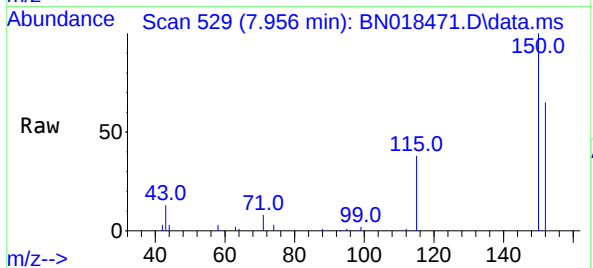
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.956 min Scan# 51
Delta R.T. -0.009 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

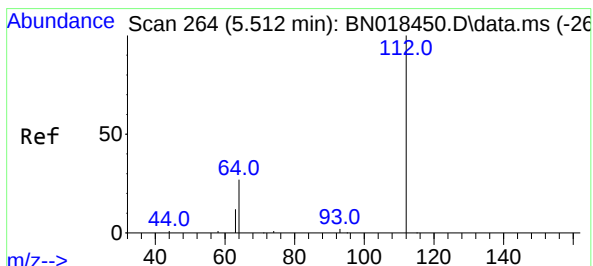
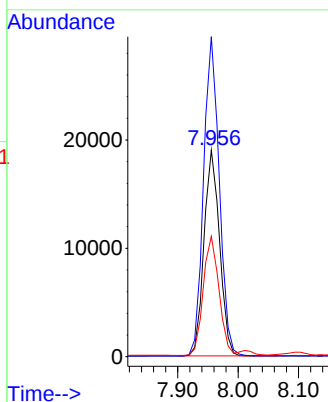
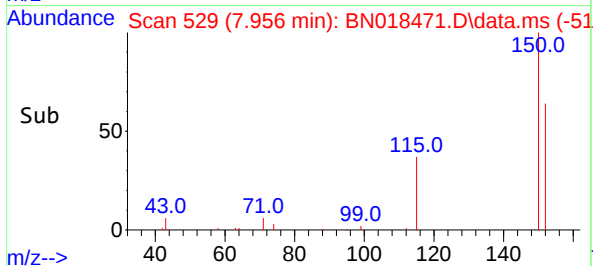
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BNA_N
ClientSampleId :
SB-3(3-3.5)



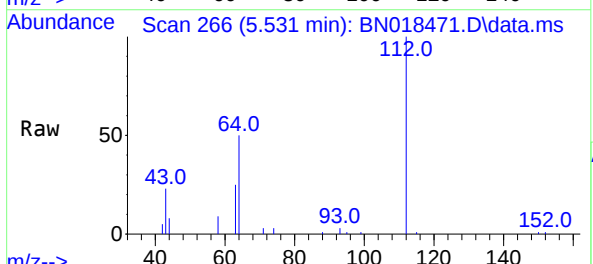
Tgt Ion:152 Resp: 3388
Ion Ratio Lower Upper
152 100
150 154.9 121.7 182.5
115 58.2 43.8 65.8

Manual Integrations
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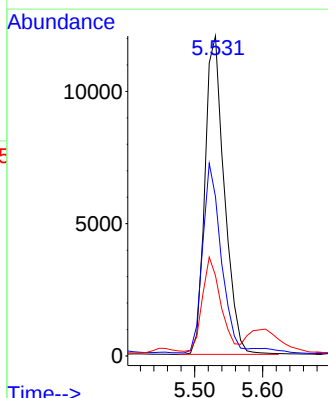
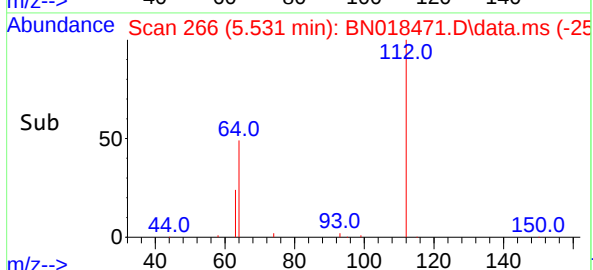
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

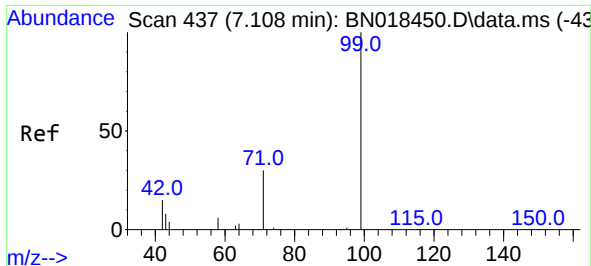


#4
2-Fluorophenol
Concen: 0.284 ng
RT: 5.531 min Scan# 266
Delta R.T. 0.018 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11



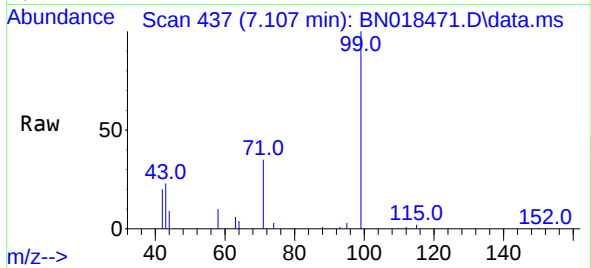
Tgt Ion:112 Resp: 23876
Ion Ratio Lower Upper
112 100
64 56.7 48.0 72.0
63 28.2 25.3 37.9





#5
Phenol-d6
Concen: 0.295 ng
RT: 7.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

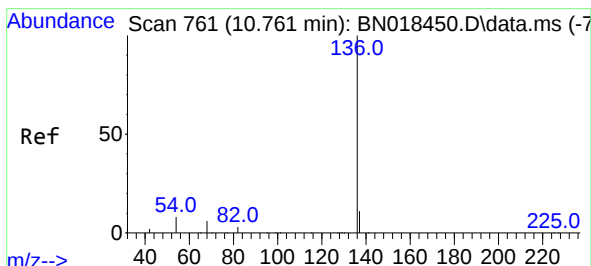
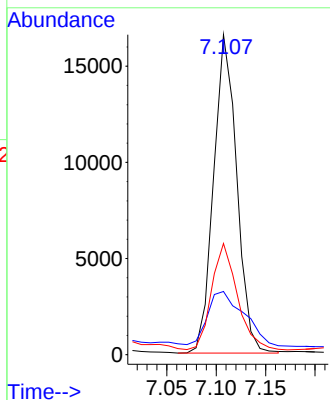
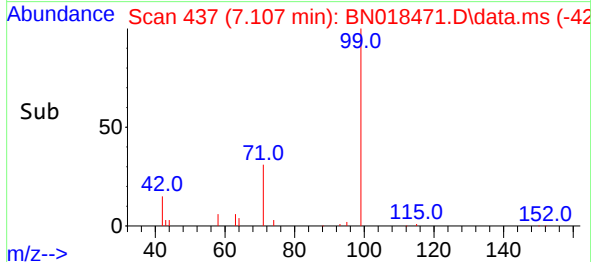
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



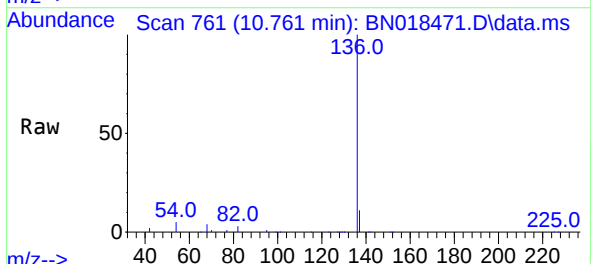
Tgt Ion: 99 Resp: 26970
Ion Ratio Lower Upper
99 100
42 26.6 16.3 24.5
71 36.8 26.8 40.2

Manual Integrations
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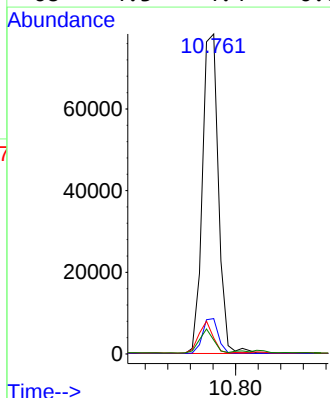
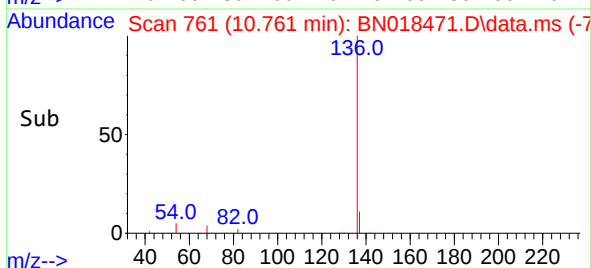
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

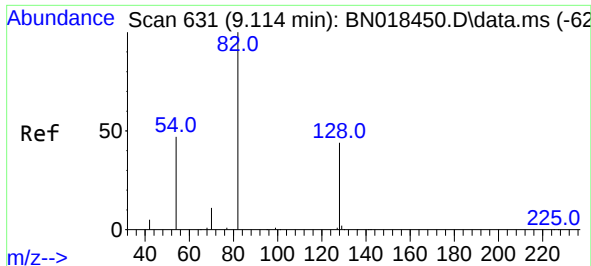


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.761 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11



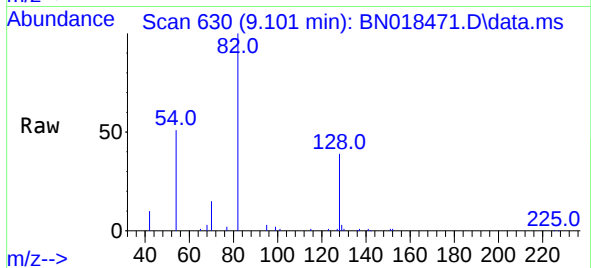
Tgt Ion:136 Resp: 154247
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 5.0 5.0 7.6#
68 4.3 4.4 6.6#





#8
Nitrobenzene-d5
Concen: 0.305 ng m
RT: 9.101 min Scan# 61
Delta R.T. -0.013 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

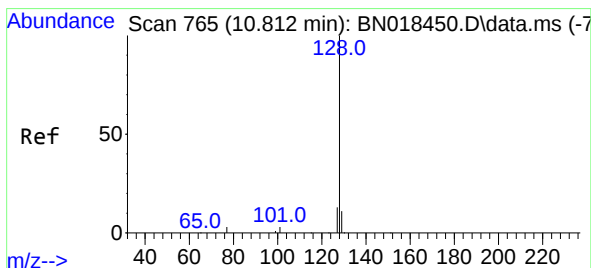
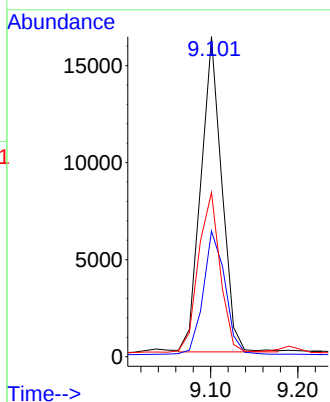
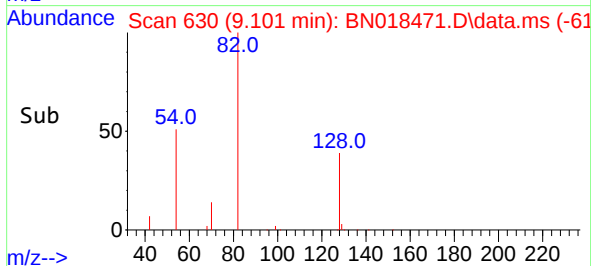
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



Tgt Ion: 82 Resp: 2718
Ion Ratio Lower Upper
82 100
128 39.2 33.7 50.5
54 51.3 36.6 55.0

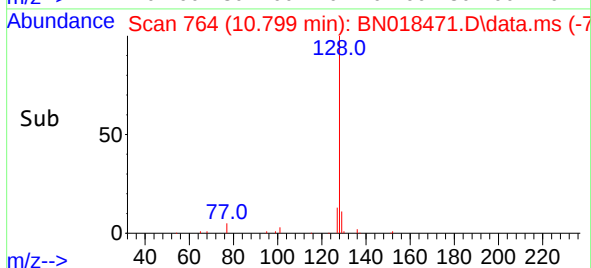
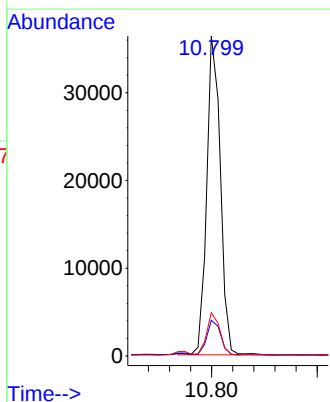
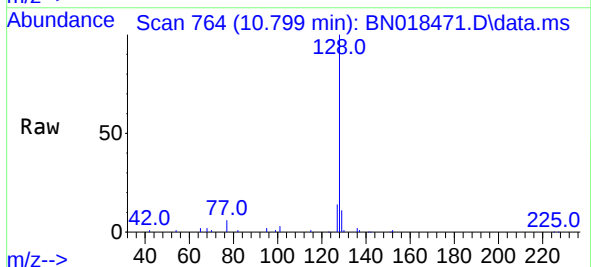
Manual Integrations
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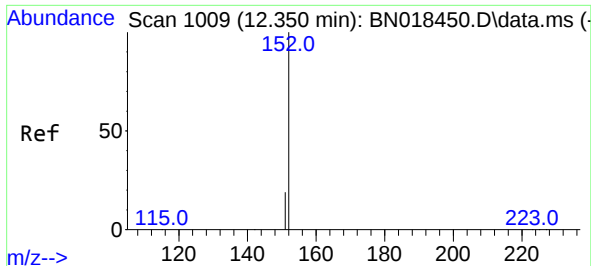
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#9
Naphthalene
Concen: 0.173 ng
RT: 10.799 min Scan# 764
Delta R.T. -0.013 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

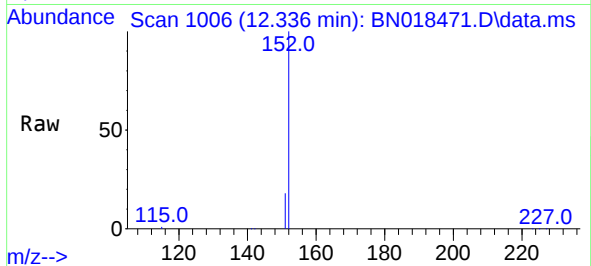
Tgt Ion:128 Resp: 65051
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.5 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.245 ng
RT: 12.336 min Scan# 1006
Delta R.T. -0.014 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

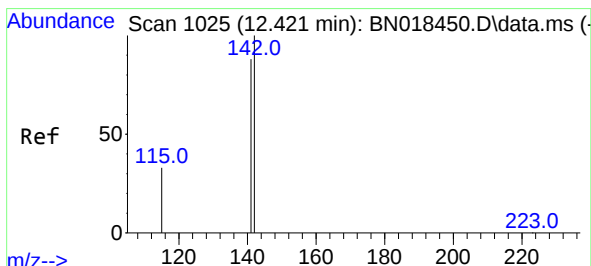
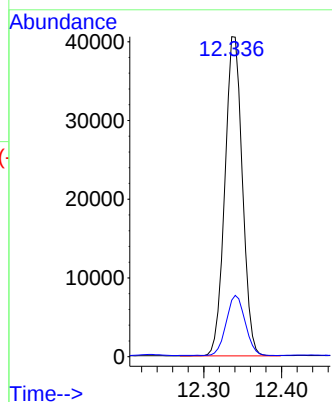
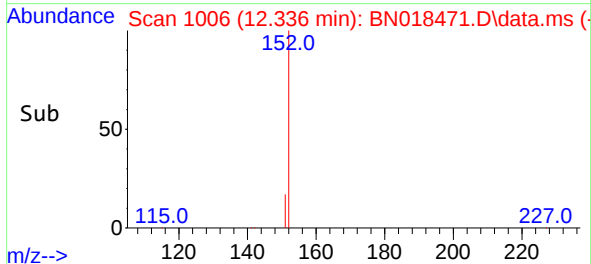
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



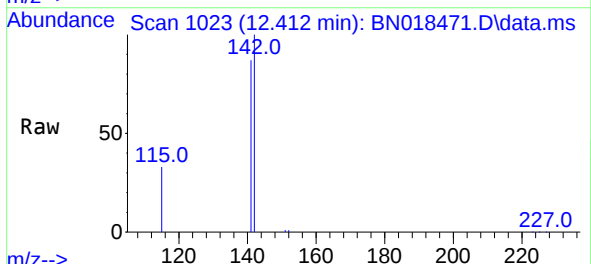
Tgt Ion:152 Resp: 6340
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2

Manual Integrations
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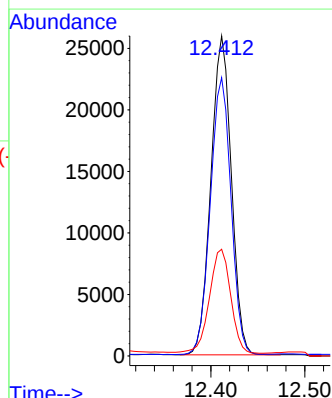
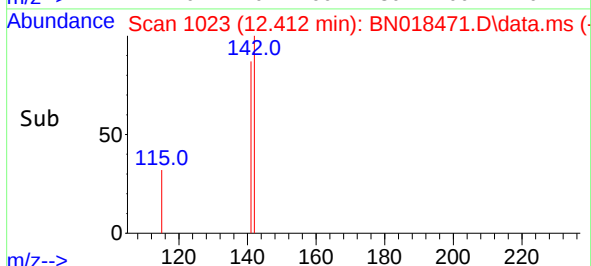
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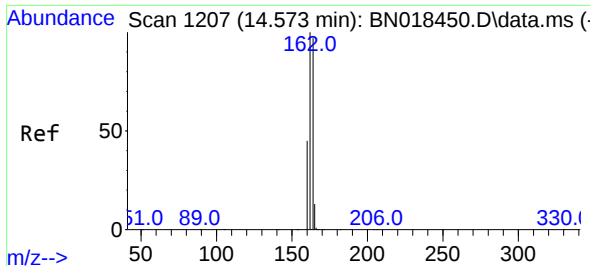


#12
2-Methylnaphthalene
Concen: 0.150 ng
RT: 12.412 min Scan# 1023
Delta R.T. -0.009 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11



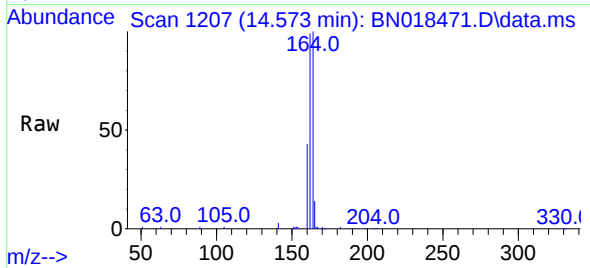
Tgt Ion:142 Resp: 39124
Ion Ratio Lower Upper
142 100
141 86.9 70.0 105.0
115 33.3 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.573 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

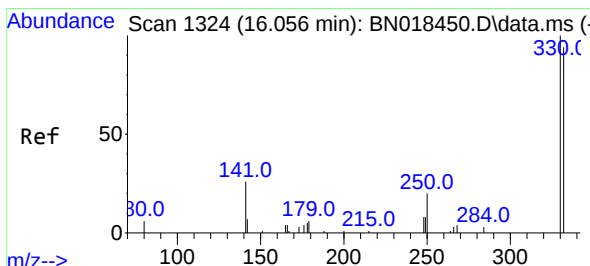
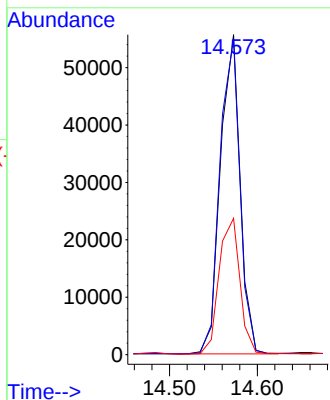
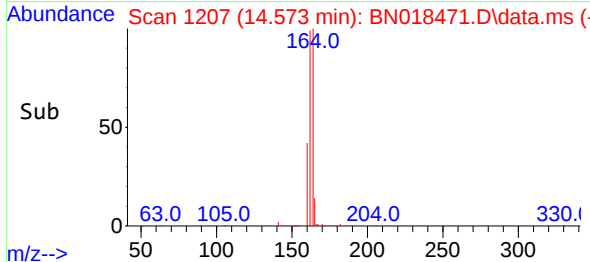
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



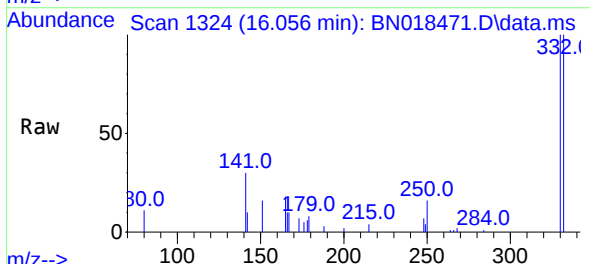
Tgt Ion:164 Resp: 86714
Ion Ratio Lower Upper
164 100
162 98.6 80.2 120.2
160 42.6 36.9 55.3

Manual Integrations
APPROVED

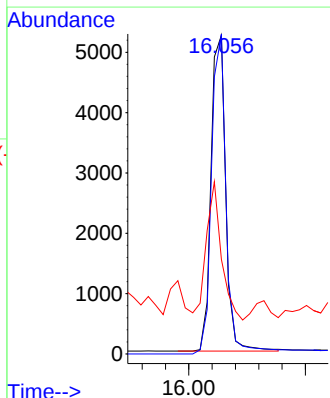
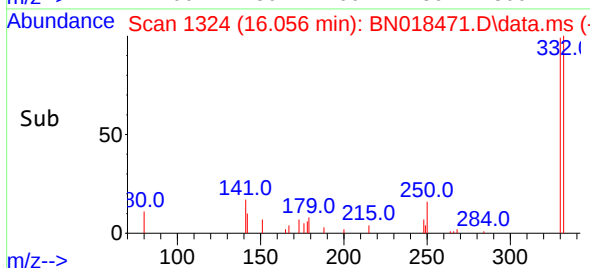
Reviewed By :Christian Giraldo 01/26/2022
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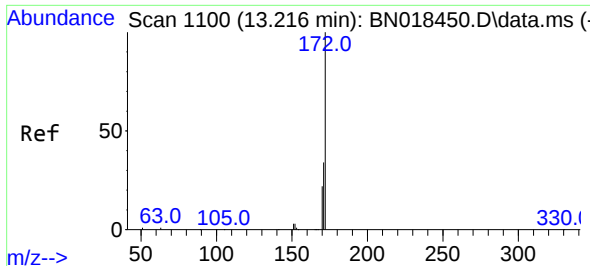


#14
2,4,6-Tribromophenol
Concen: 0.353 ng
RT: 16.056 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11



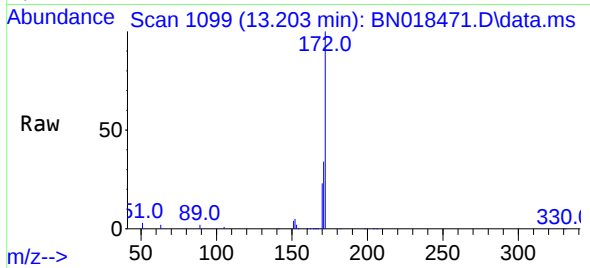
Tgt Ion:330 Resp: 9215
Ion Ratio Lower Upper
330 100
332 101.3 0.0 0.0#
141 44.9 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.274 ng
RT: 13.203 min Scan# 1099
Delta R.T. -0.013 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

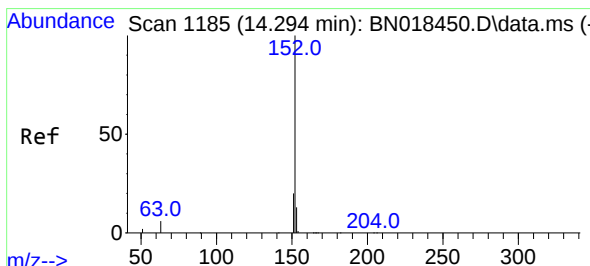
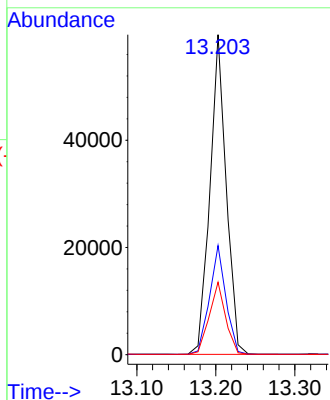
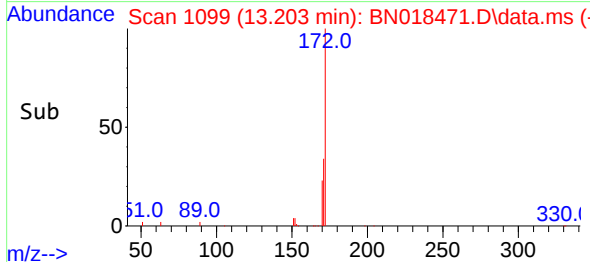
Instrument :
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ClientSampleId :
SB-3(3-3.5)



Tgt Ion:172 Resp: 85285
Ion Ratio Lower Upper
172 100
171 34.1 27.4 41.0
170 22.7 18.4 27.6

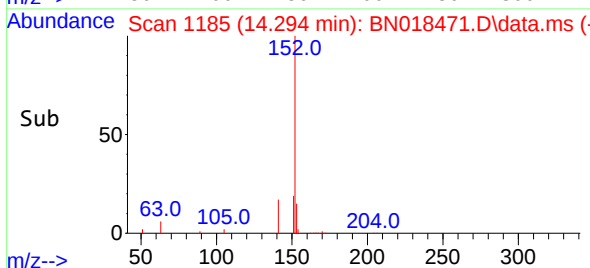
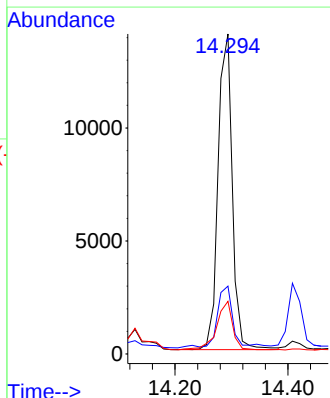
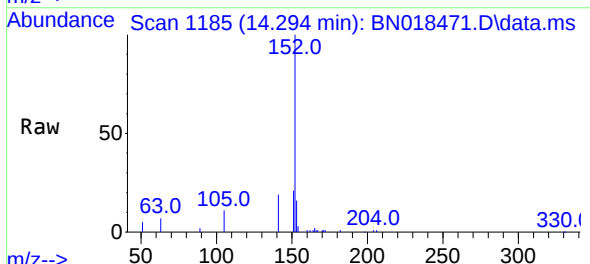
Manual Integrations
APPROVED

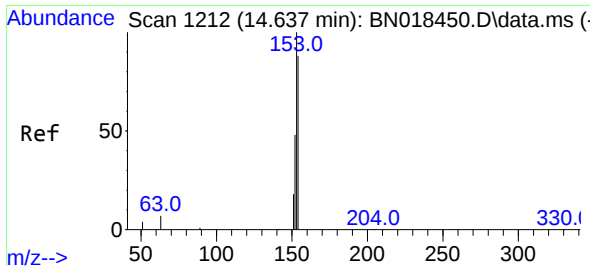
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#16
Acenaphthylene
Concen: 0.076 ng
RT: 14.294 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

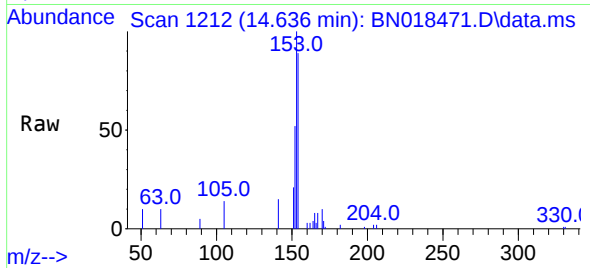
Tgt Ion:152 Resp: 24522
Ion Ratio Lower Upper
152 100
151 21.1 15.8 23.6
153 17.3 10.5 15.7#





#17
Acenaphthene
Concen: 0.043 ng
RT: 14.636 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

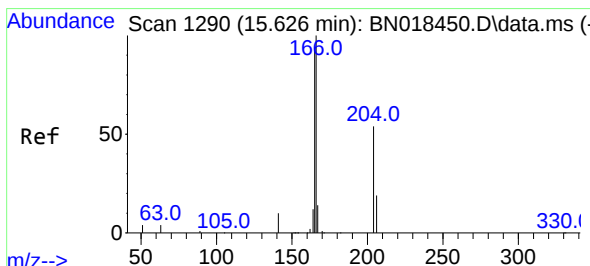
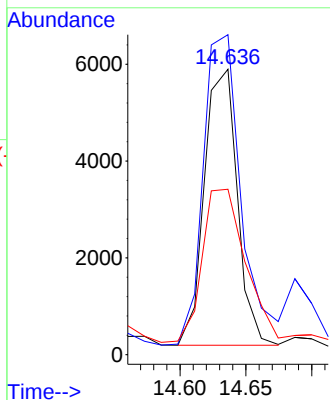
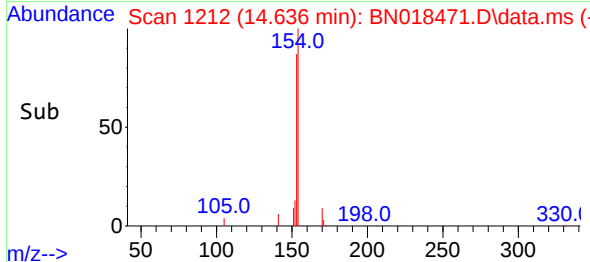
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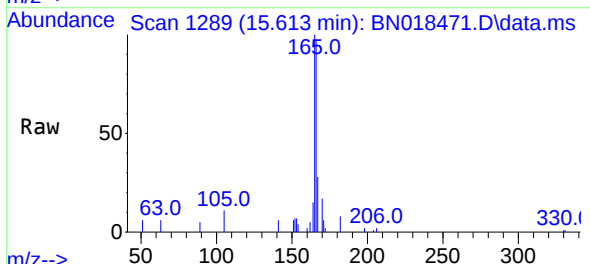
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Ion Ratio Lower Upper
154 100
153 129.7 90.9 136.3
152 76.1 45.0 67.4

Manual Integrations
APPROVED

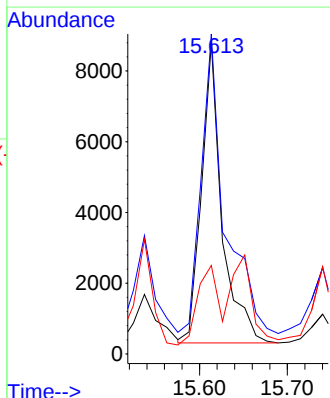
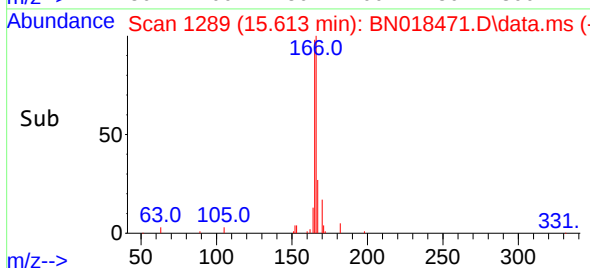
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

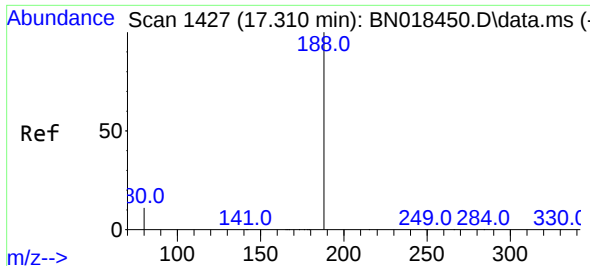


#18
Fluorene
Concen: 0.050 ng
RT: 15.613 min Scan# 1289
Delta R.T. -0.013 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11



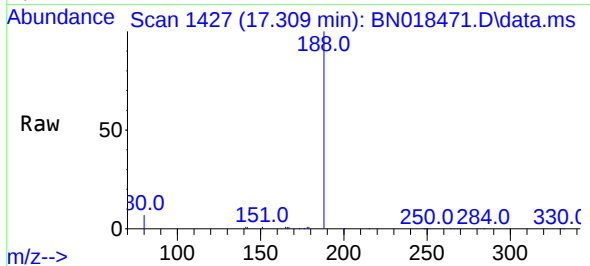
Tgt Ion:166 Resp: 13660
Ion Ratio Lower Upper
166 100
165 116.4 77.8 116.6
167 27.3 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.309 min Scan# 1427
Delta R.T. -0.001 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

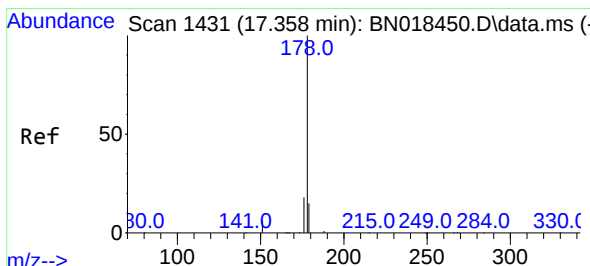
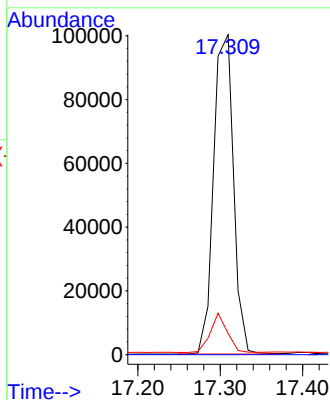
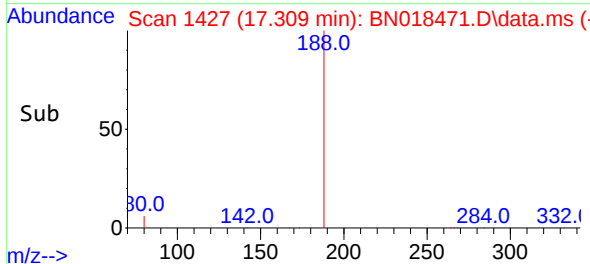
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



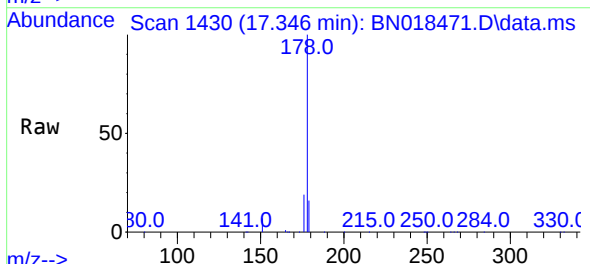
Tgt Ion:188 Resp: 168609
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.7 7.0 10.4

Manual Integrations
APPROVED

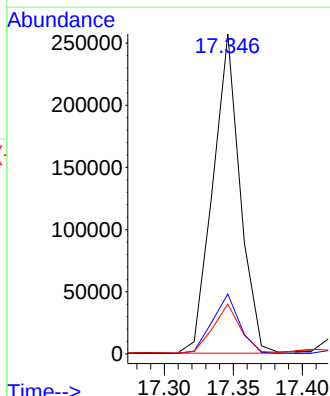
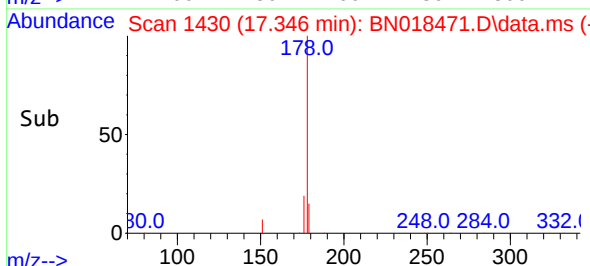
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

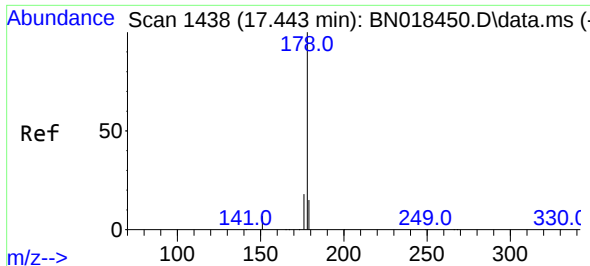


#25
Phenanthrene
Concen: 0.789 ng m
RT: 17.346 min Scan# 1430
Delta R.T. -0.012 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11



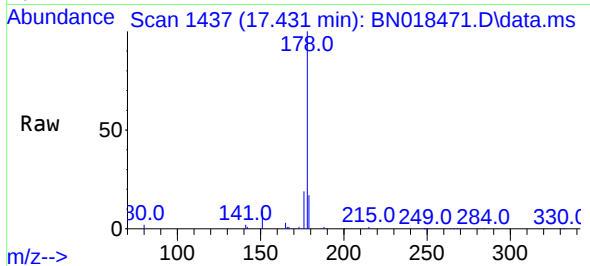
Tgt Ion:178 Resp: 352933
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.0 12.3 18.5





#26
 Anthracene
 Concen: 0.196 ng
 RT: 17.431 min Scan# 1438
 Delta R.T. -0.012 min
 Lab File: BN018471.D
 Acq: 25 Jan 2022 22:11

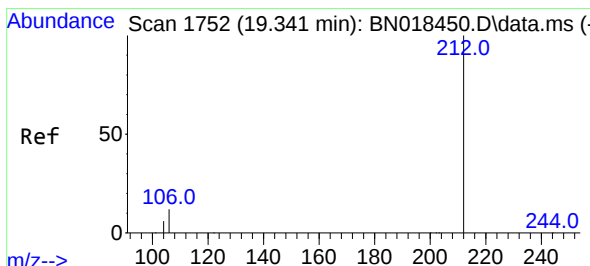
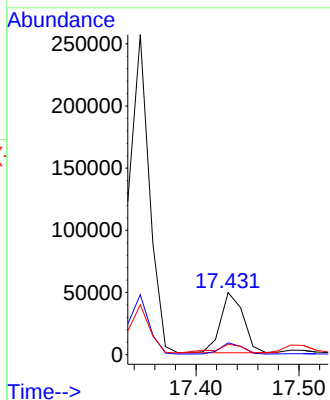
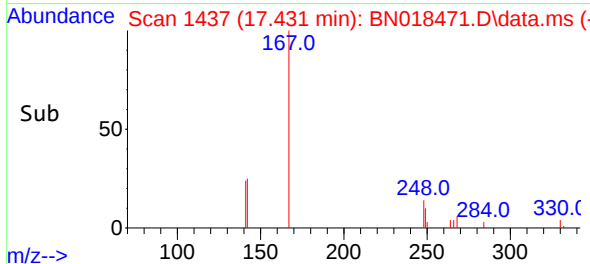
Instrument :
 BNA_N
 ClientSampleId :
 SB-3(3-3.5)



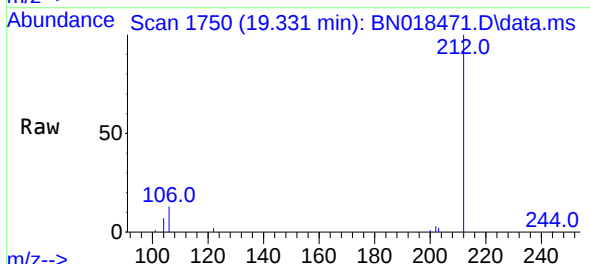
Tgt Ion:178 Resp: 74268
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.8 22.2
 179 18.3 12.2 18.4

Manual Integrations
 APPROVED

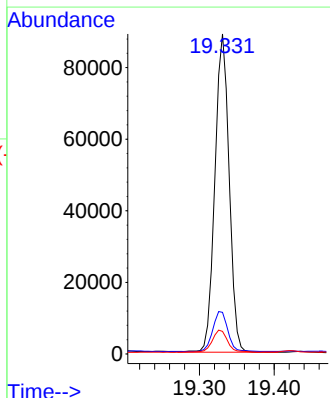
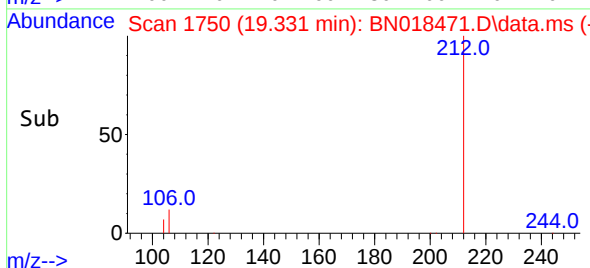
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022

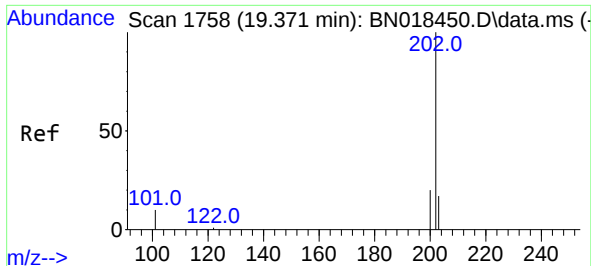


#27
 Fluoranthene-d10
 Concen: 0.231 ng
 RT: 19.331 min Scan# 1750
 Delta R.T. -0.010 min
 Lab File: BN018471.D
 Acq: 25 Jan 2022 22:11



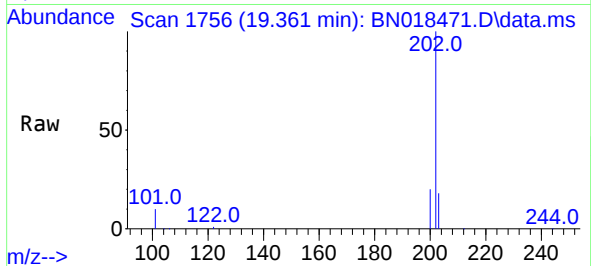
Tgt Ion:212 Resp: 117485
 Ion Ratio Lower Upper
 212 100
 106 13.2 8.4 12.6#
 104 7.7 4.5 6.7#





#28
Fluoranthene
Concen: 1.983 ng
RT: 19.361 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

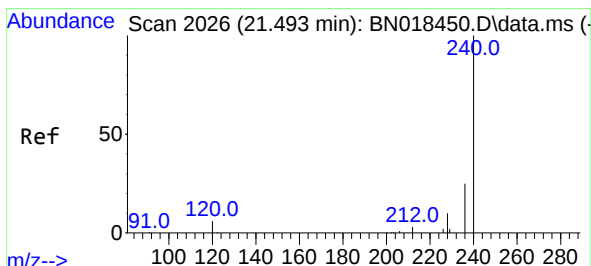
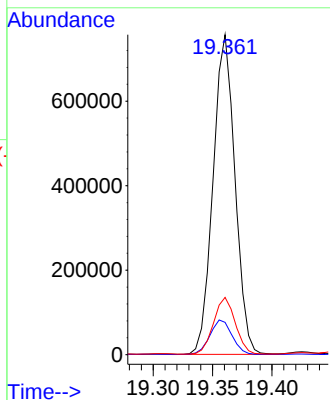
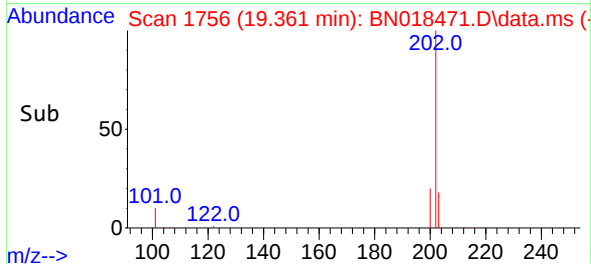
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



Tgt Ion:202 Resp: 969780
Ion Ratio Lower Upper
202 100
101 10.9 7.2 10.8
203 17.6 13.7 20.5

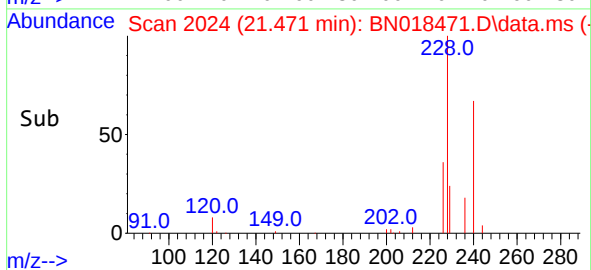
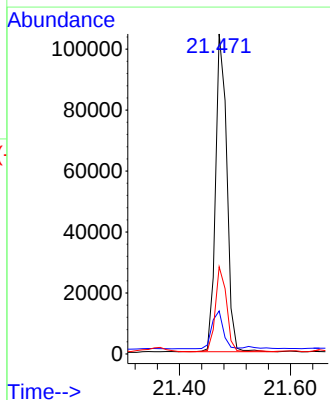
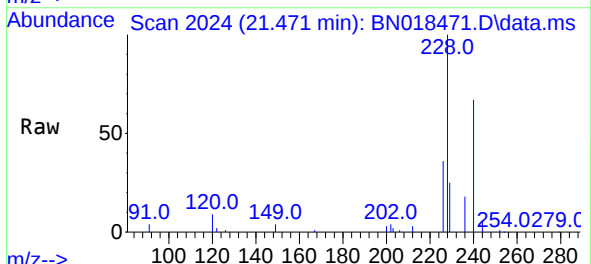
Manual Integrations
APPROVED

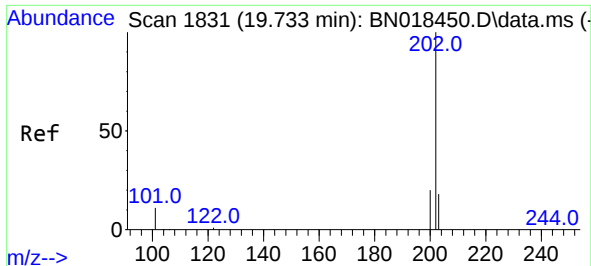
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.471 min Scan# 2024
Delta R.T. -0.022 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

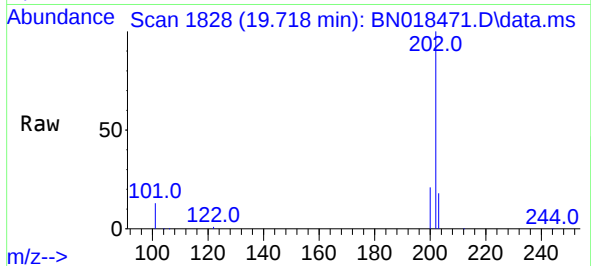
Tgt Ion:240 Resp: 146488
Ion Ratio Lower Upper
240 100
120 13.5 6.0 9.0
236 27.3 21.4 32.2





#30
Pyrene
Concen: 1.423 ng
RT: 19.718 min Scan# 1869
Delta R.T. -0.015 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

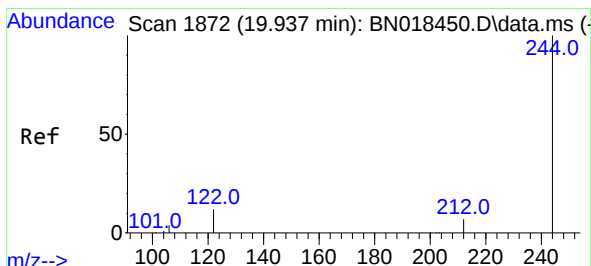
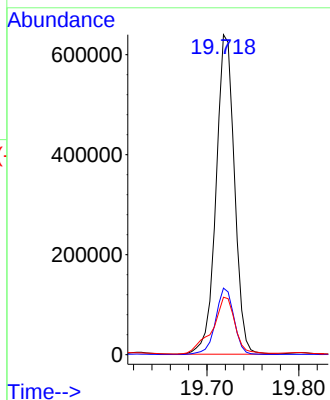
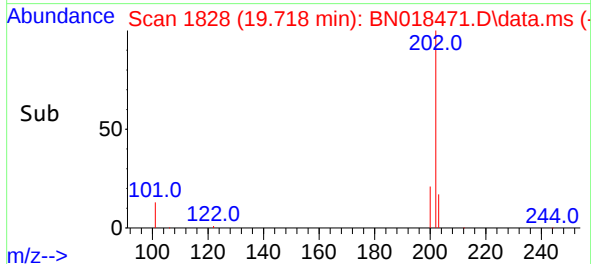
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



Tgt Ion:202 Resp: 88948
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 21.9 14.1 21.1

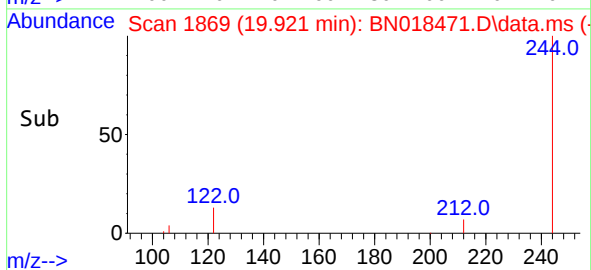
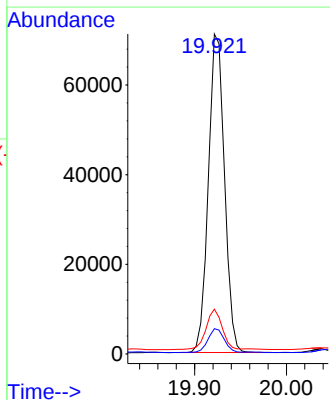
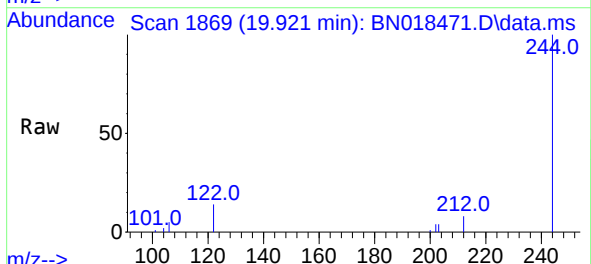
Manual Integrations
APPROVED

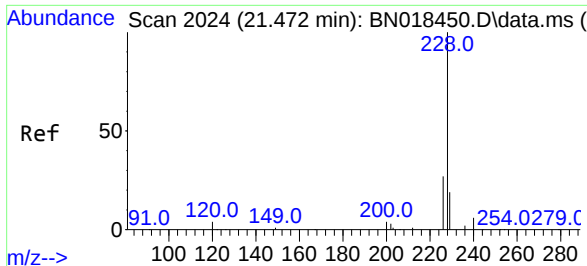
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#31
Terphenyl-d14
Concen: 0.191 ng
RT: 19.921 min Scan# 1869
Delta R.T. -0.015 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

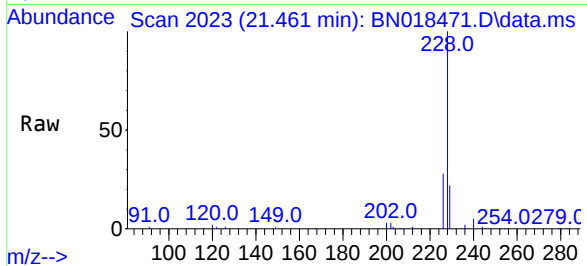
Tgt Ion:244 Resp: 87089
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.2
122 14.0 7.9 11.9





#32
Benzo(a)anthracene
Concen: 1.504 ng
RT: 21.461 min Scan# 2023
Delta R.T. -0.011 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

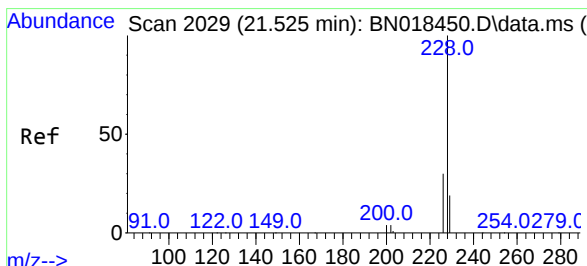
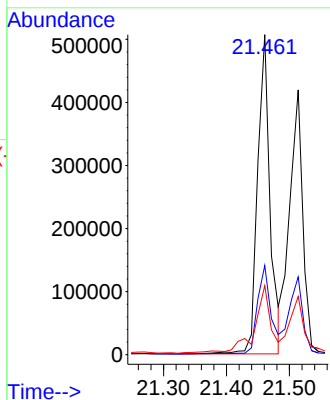
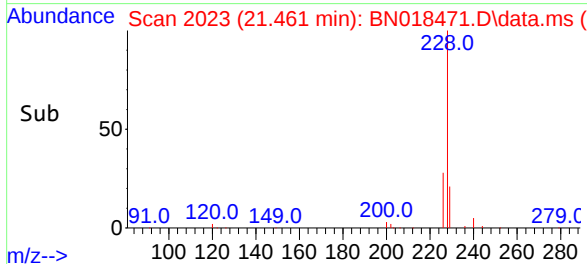
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



Tgt Ion:228 Resp: 69780
Ion Ratio Lower Upper
228 100
226 27.8 21.3 31.9
229 21.5 15.9 23.9

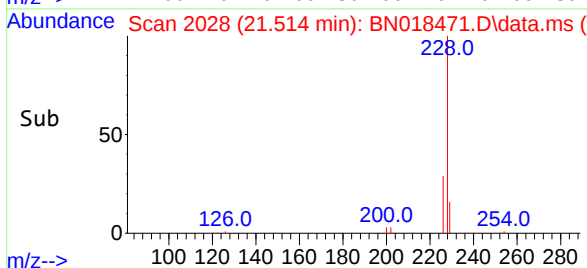
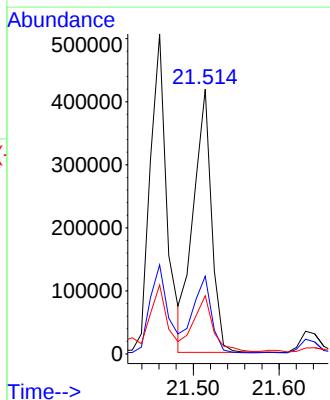
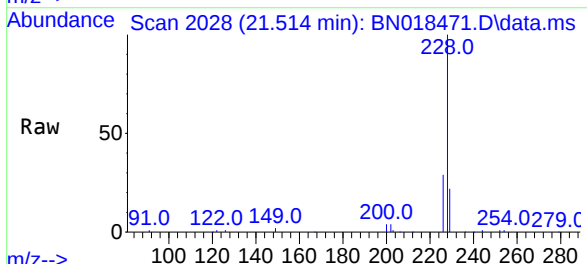
Manual Integrations
APPROVED

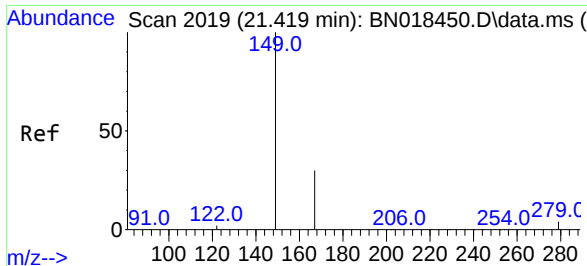
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#33
Chrysene
Concen: 1.332 ng
RT: 21.514 min Scan# 2028
Delta R.T. -0.011 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

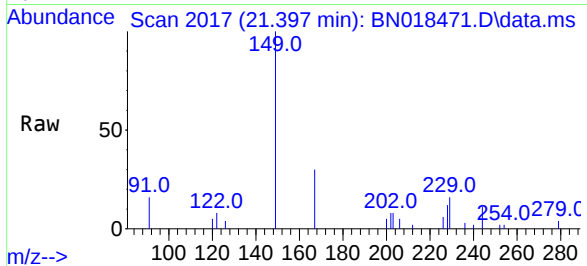
Tgt Ion:228 Resp: 611384
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.4
229 22.0 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.093 ng
RT: 21.397 min Scan# 2019
Delta R.T. -0.021 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

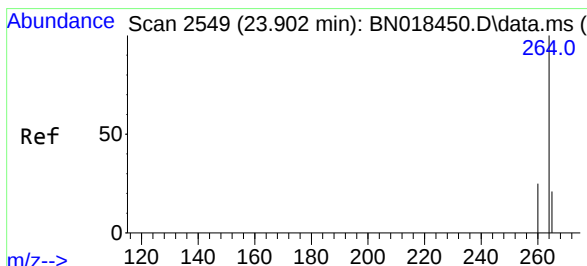
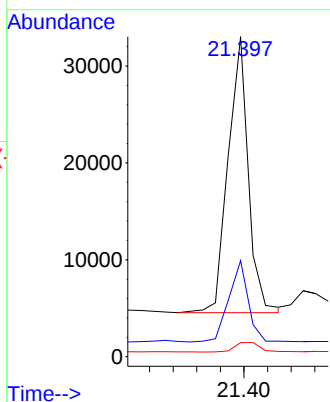
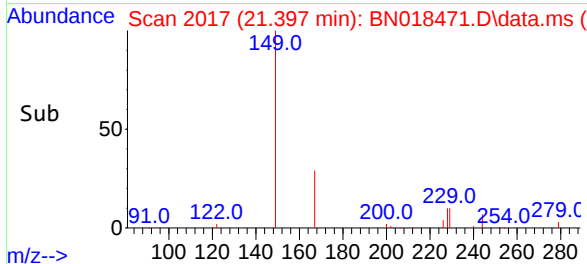
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



Tgt Ion:149 Resp: 33929
Ion Ratio Lower Upper
149 100
167 28.4 23.7 35.5
279 4.4 3.6 5.4

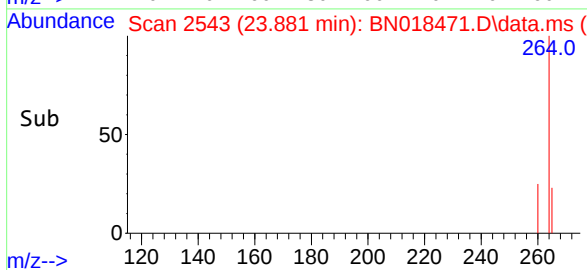
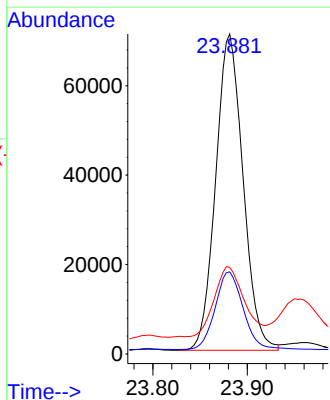
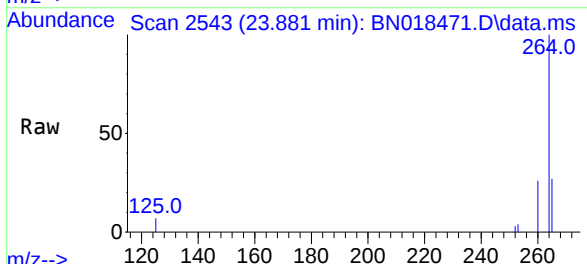
Manual Integrations
APPROVED

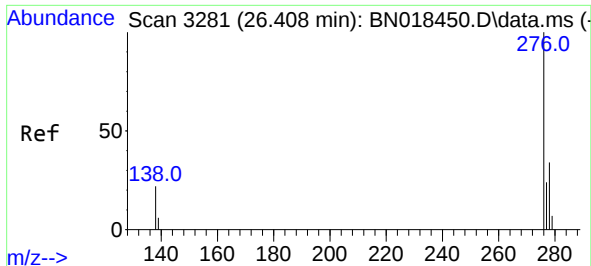
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.881 min Scan# 2543
Delta R.T. -0.021 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

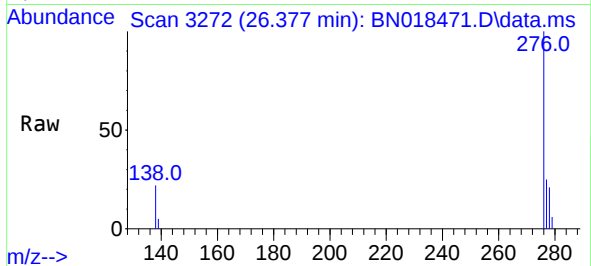
Tgt Ion:264 Resp: 142514
Ion Ratio Lower Upper
264 100
260 25.7 20.2 30.4
265 27.0 18.2 27.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.165 ng
RT: 26.377 min Scan# 31
Delta R.T. -0.031 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

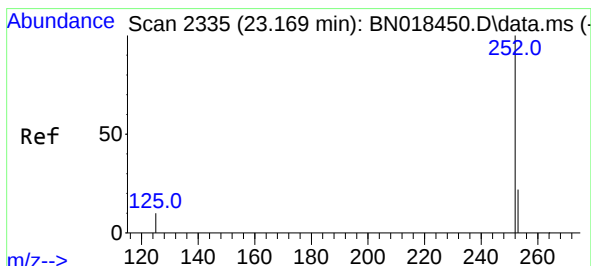
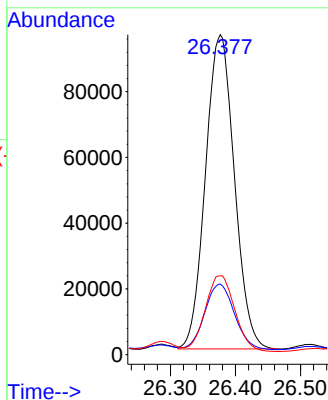
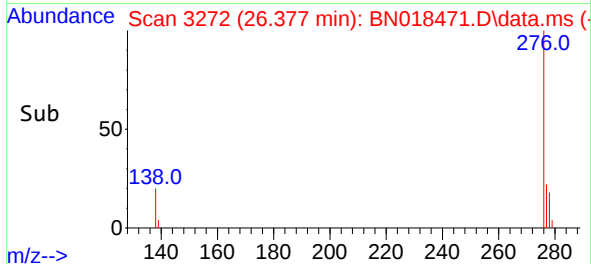
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



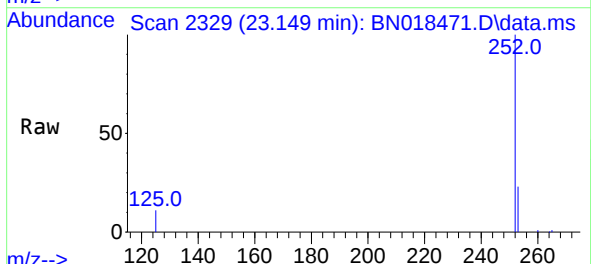
Tgt Ion:276 Resp: 29514
Ion Ratio Lower Upper
276 100
138 21.5 14.9 22.3
277 24.7 19.9 29.9

Manual Integrations
APPROVED

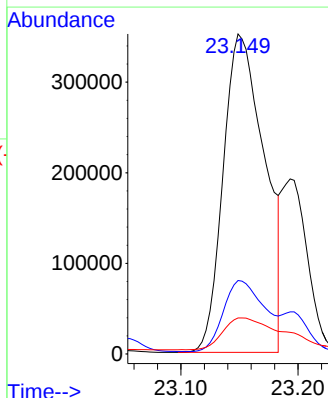
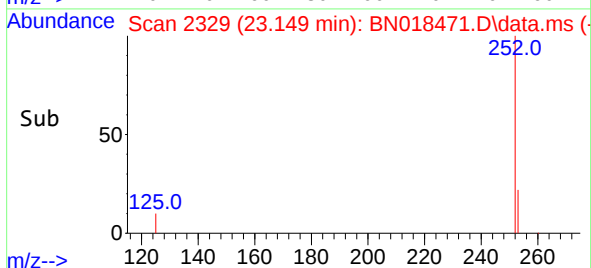
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

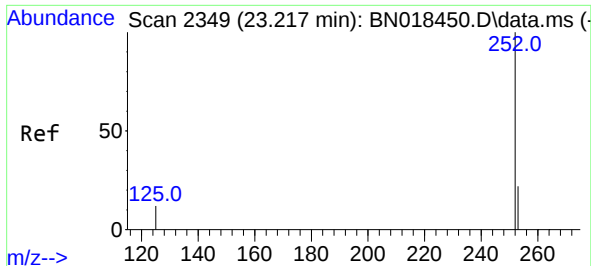


#37
Benzo(b)fluoranthene
Concen: 1.680 ng
RT: 23.149 min Scan# 2329
Delta R.T. -0.021 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11



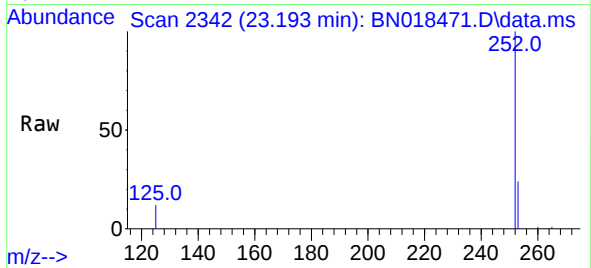
Tgt Ion:252 Resp: 862504
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 11.2 6.0 9.0#





#38
Benzo(k)fluoranthene
Concen: 0.644 ng m
RT: 23.193 min Scan# 21
Delta R.T. -0.024 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

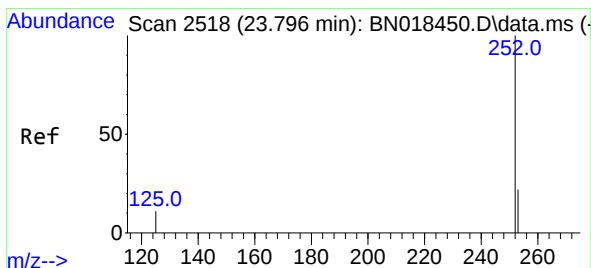
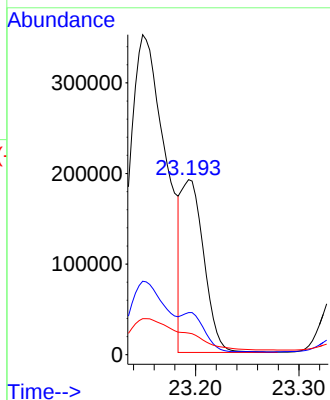
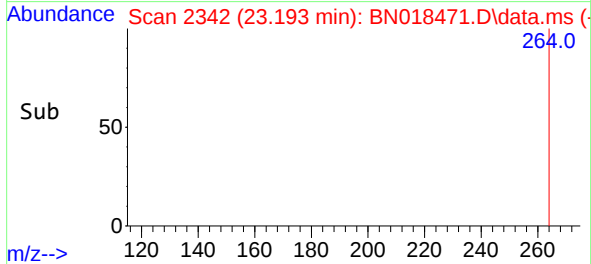
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



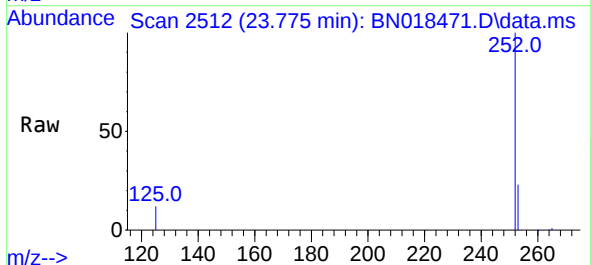
Tgt Ion:252 Resp: 290902
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 12.4 6.2 9.2

Manual Integrations
APPROVED

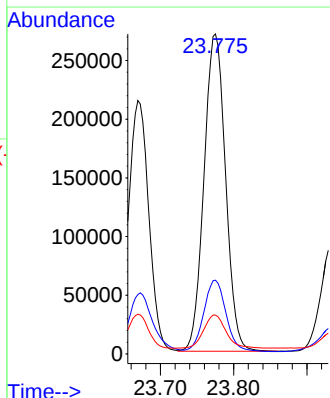
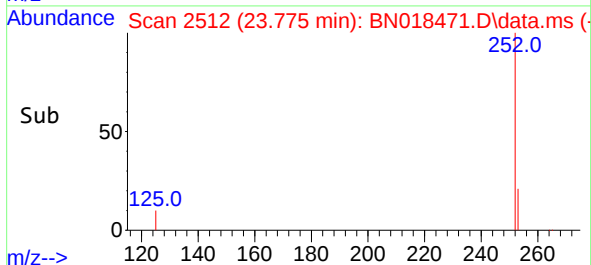
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

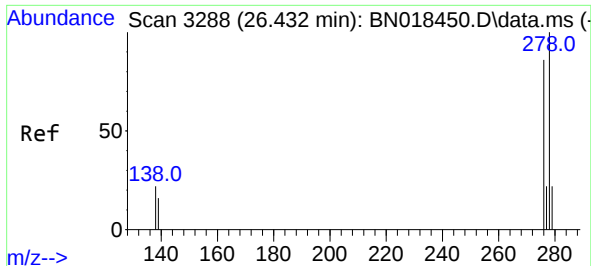


#39
Benzo(a)pyrene
Concen: 1.470 ng
RT: 23.775 min Scan# 2512
Delta R.T. -0.021 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11



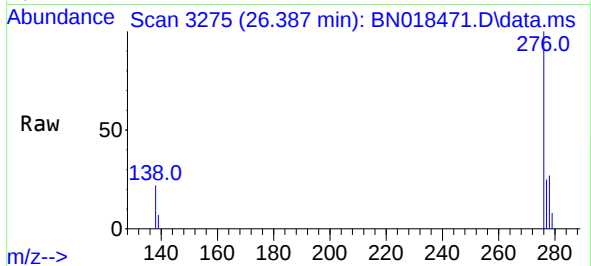
Tgt Ion:252 Resp: 552364
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 12.1 7.0 10.4





#40
Dibenzo(a,h)anthracene
Concen: 0.495 ng
RT: 26.387 min Scan# 31
Delta R.T. -0.045 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

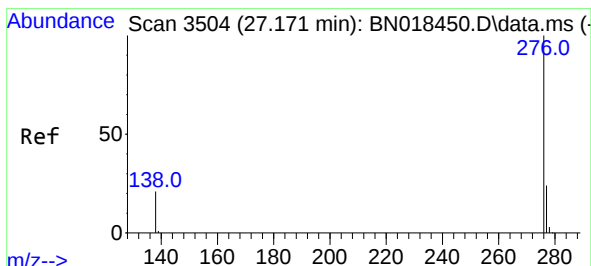
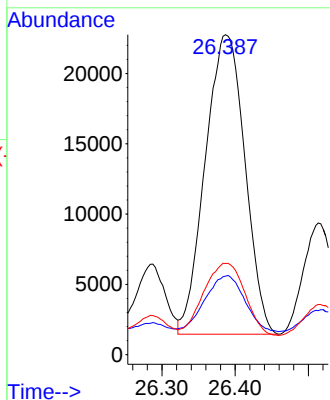
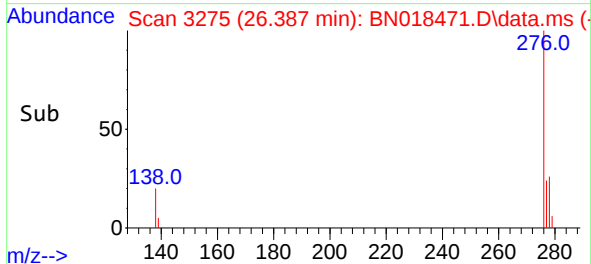
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



Tgt Ion:278 Resp: 80240
Ion Ratio Lower Upper
278 100
139 24.5 10.8 16.2
279 28.5 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#41
Benzo(g,h,i)perylene
Concen: 1.047 ng
RT: 27.143 min Scan# 3496
Delta R.T. -0.028 min
Lab File: BN018471.D
Acq: 25 Jan 2022 22:11

Tgt Ion:276 Resp: 269847
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.6
138 22.3 12.6 19.0

