

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040622\
 Data File : BN019372.D
 Acq On : 06 Apr 2022 17:38
 Operator : CG/JU
 Sample : N2220-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A10015

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2022
 Supervised By : Jagrut Upadhyay 04/11/2022

Quant Time: Apr 07 05:28:28 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 04 17:40:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	3587	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	12481	0.400	ng	#-0.01
13) Acenaphthene-d10	14.463	164	8676	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	18835	0.400	ng	# 0.00
29) Chrysene-d12	21.395	240	18069	0.400	ng	0.00
35) Perylene-d12	23.746	264	17328	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.370	112	450	0.047	ng	-0.01
5) Phenol-d6	6.980	99	633	0.055	ng	0.00
8) Nitrobenzene-d5	8.971	82	523	0.046	ng	-0.01
11) 2-Methylnaphthalene-d10	12.216	152	1088	0.050	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	224	0.043	ng	0.00
15) 2-Fluorobiphenyl	13.084	172	1582	0.044	ng	-0.01
27) Fluoranthene-d10	19.236	212	1889	0.031	ng	0.00
31) Terphenyl-d14	19.834	244	1548	0.039	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.669	128	5109	0.139	ng	95
12) 2-Methylnaphthalene	12.287	142	5411	0.212	ng	96
16) Acenaphthylene	14.185	152	8164	0.190	ng	95
17) Acenaphthene	14.527	154	702	0.025	ng	# 79
18) Fluorene	15.511	166	1381	0.037	ng	# 81
25) Phenanthrene	17.246	178	36929	0.584	ng	100
26) Anthracene	17.338	178	9067	0.163	ng	98
28) Fluoranthene	19.265	202	94239	1.257	ng	99
30) Pyrene	19.628	202	91586	1.089	ng	97
32) Benzo(a)anthracene	21.377	228	45857	0.687	ng	96
33) Chrysene	21.431	228	56659	0.764	ng	97
34) Bis(2-ethylhexyl)phtha...	21.306	149	3592	0.072	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.170	276	22849	0.315	ng	# 90
37) Benzo(b)fluoranthene	23.036	252	65224	0.961	ng	99
38) Benzo(k)fluoranthene	23.074	252	25932m	0.365	ng	
39) Benzo(a)pyrene	23.641	252	36954m	0.606	ng	
40) Dibenzo(a,h)anthracene	26.179	278	5402	0.096	ng	# 73
41) Benzo(g,h,i)perylene	26.919	276	24066	0.358	ng	99

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

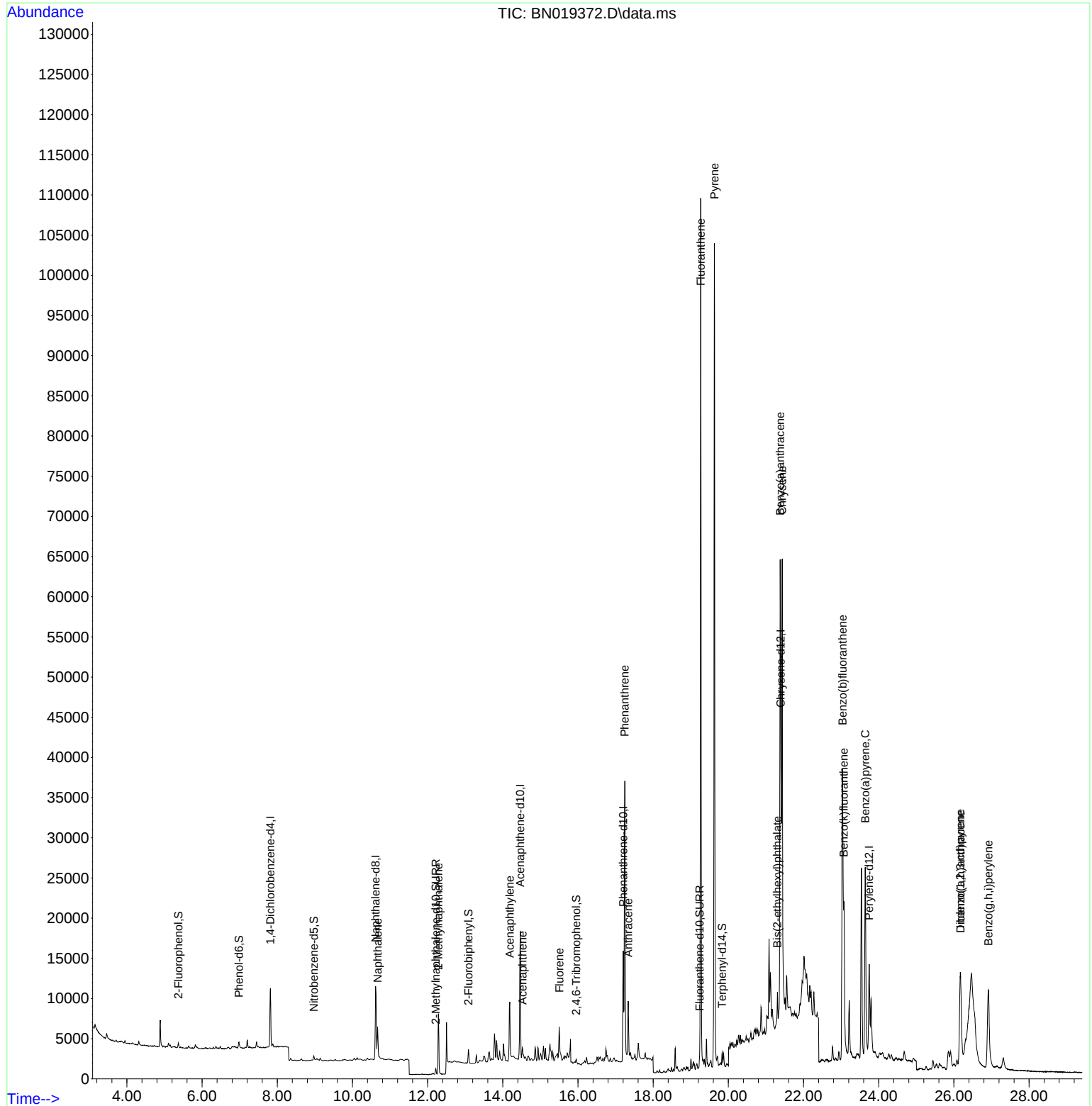
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040622\
Data File : BN019372.D
Acq On : 06 Apr 2022 17:38
Operator : CG/JU
Sample : N2220-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

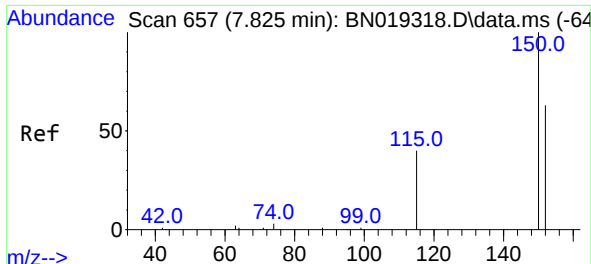
Instrument :
BNA_N
ClientSampleId :
A10015

Manual Integrations
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Reviewed By : Christian Giraldo 04/07/2022
Supervised By : Jagrut Upadhyay 04/11/2022

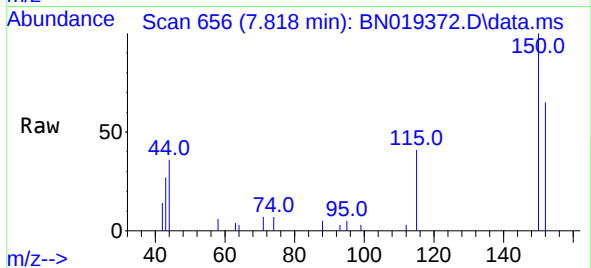
Quant Time: Apr 07 05:28:28 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

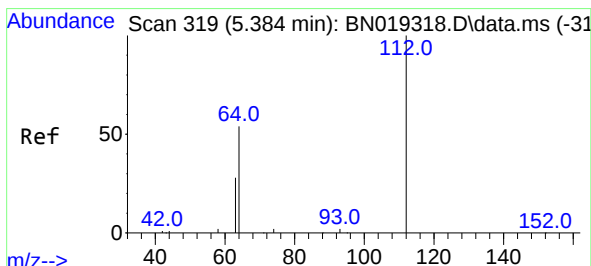
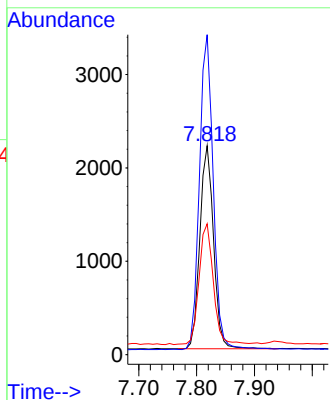
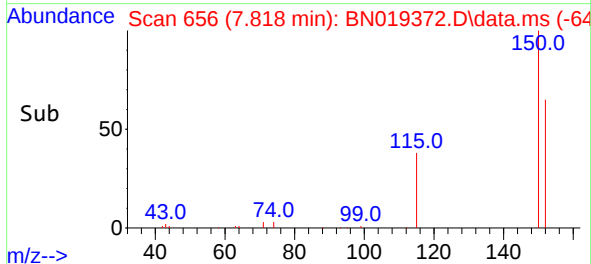
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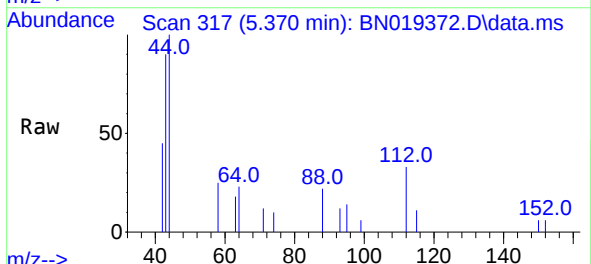
Tgt Ion:152 Resp: 358
Ion Ratio Lower Upper
152 100
150 153.1 123.9 185.9
115 62.6 48.2 72.4

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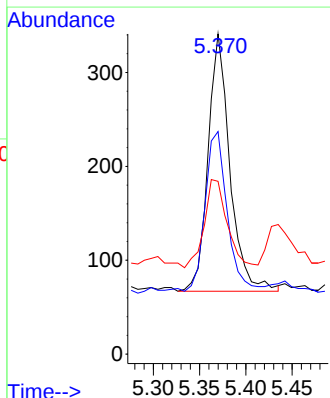
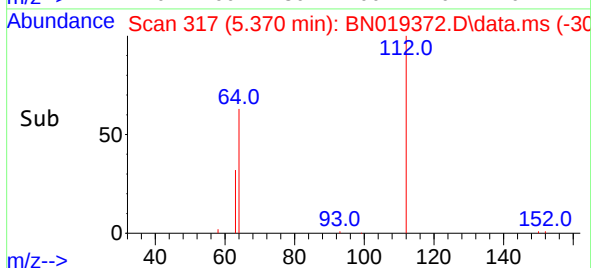
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

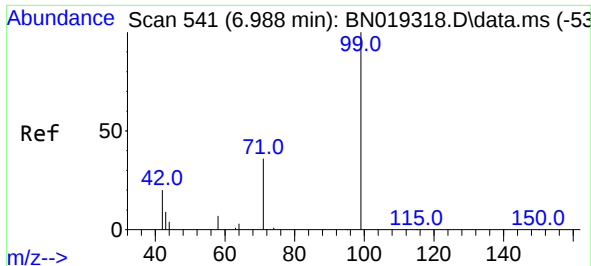


#4
2-Fluorophenol
Concen: 0.047 ng
RT: 5.370 min Scan# 317
Delta R.T. -0.014 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38



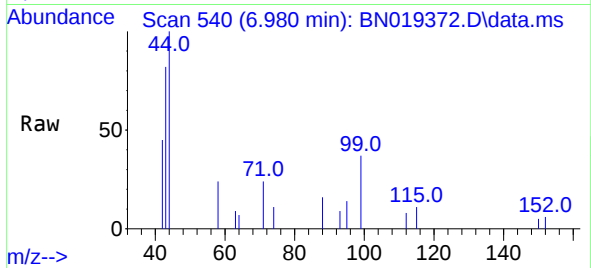
Tgt Ion:112 Resp: 450
Ion Ratio Lower Upper
112 100
64 62.2 47.8 71.8
63 36.2 25.7 38.5





#5
Phenol-d6
Concen: 0.055 ng
RT: 6.980 min Scan# 541
Delta R.T. -0.007 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

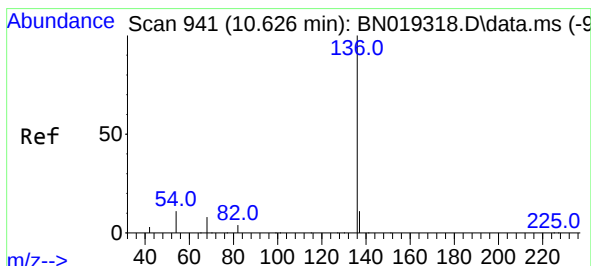
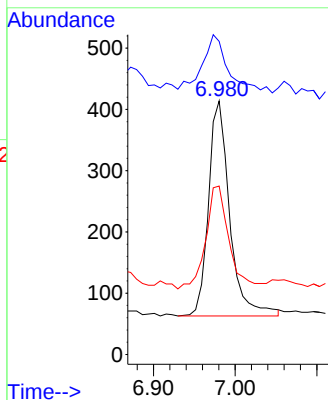
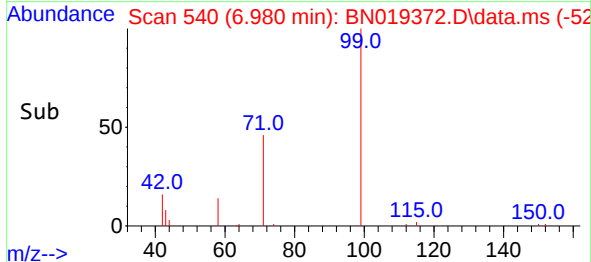
Instrument :
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ClientSampleId :
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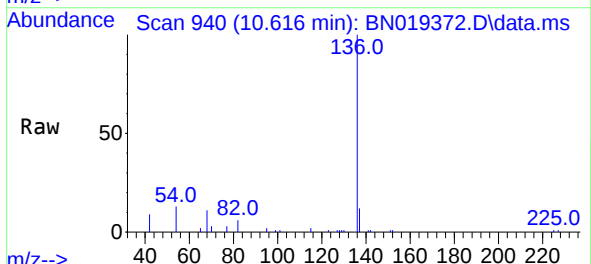
Tgt Ion: 99 Resp: 63
Ion Ratio Lower Upper
99 100
42 33.8 16.2 24.4
71 52.3 27.7 41.5

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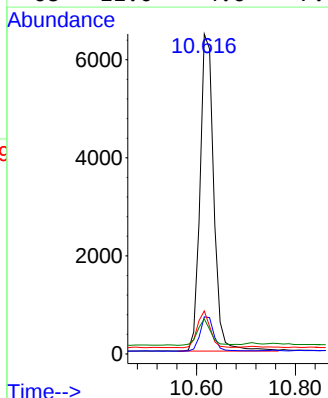
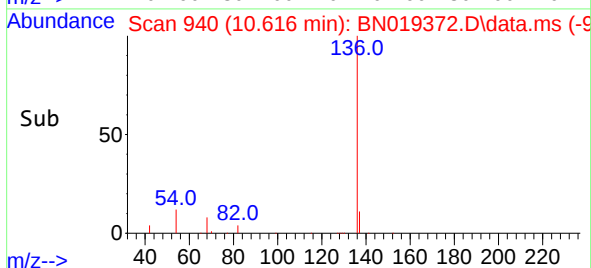
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

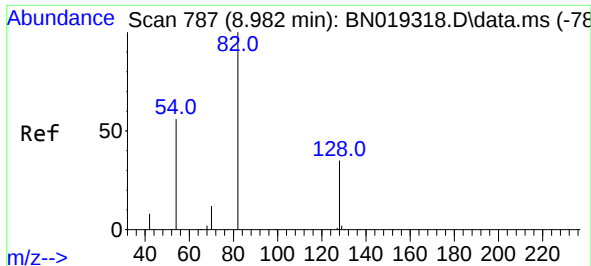


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 940
Delta R.T. -0.011 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38



Tgt Ion:136 Resp: 12481
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.4
54 13.5 5.8 8.6
68 11.0 4.6 7.0





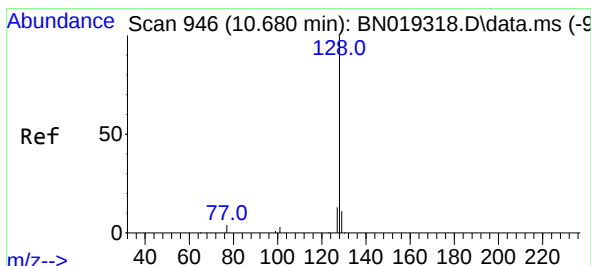
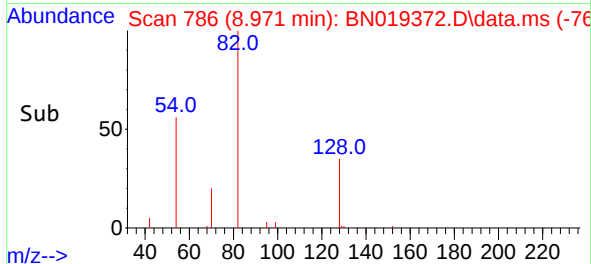
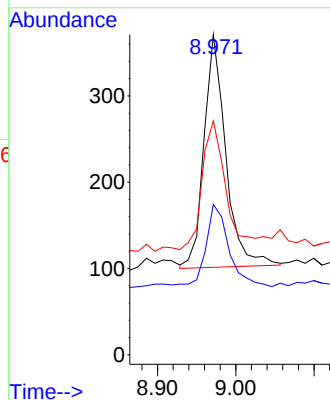
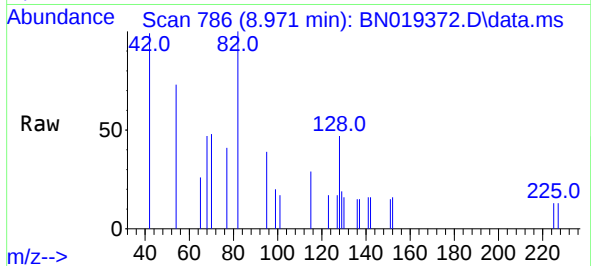
#8
Nitrobenzene-d5
Concen: 0.046 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.011 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Instrument :
BNA_N
ClientSampleId :
A10015

Tgt Ion: 82 Resp: 520
Ion Ratio Lower Upper
82 100
128 46.9 33.0 49.6
54 73.0 42.5 63.7

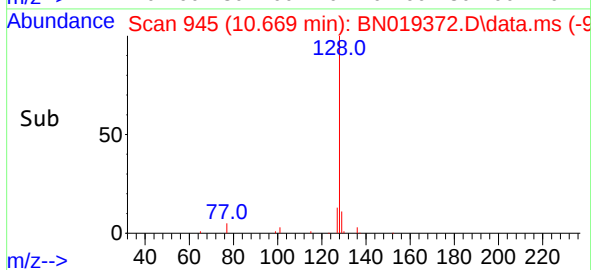
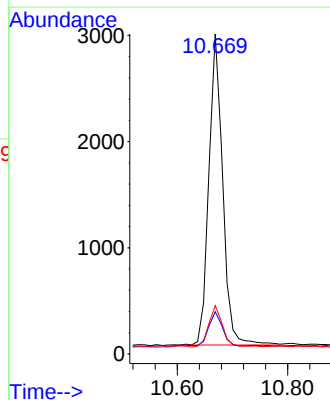
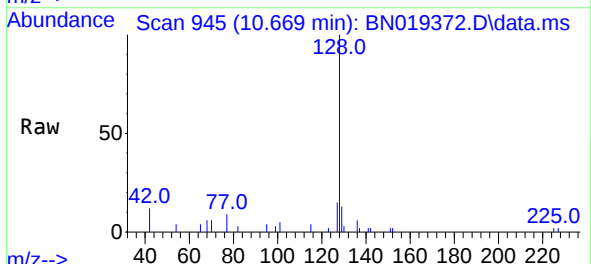
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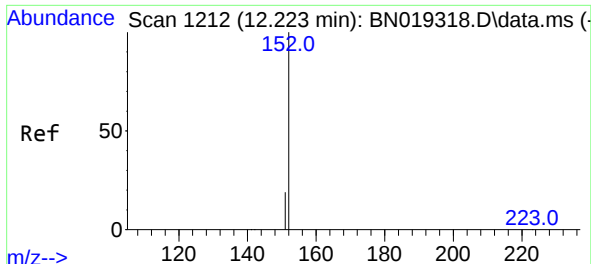
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022



#9
Naphthalene
Concen: 0.139 ng
RT: 10.669 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Tgt Ion:128 Resp: 5109
Ion Ratio Lower Upper
128 100
129 13.2 9.0 13.4
127 15.1 10.7 16.1





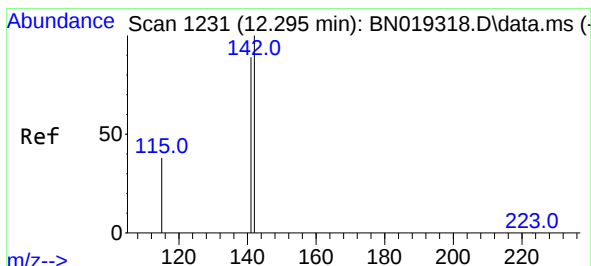
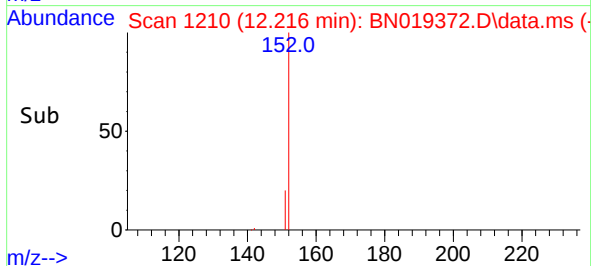
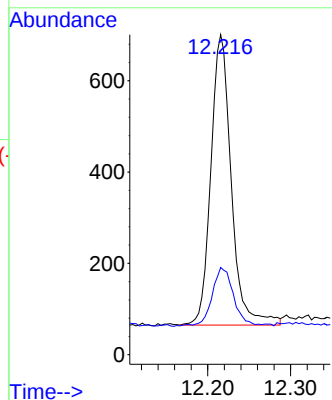
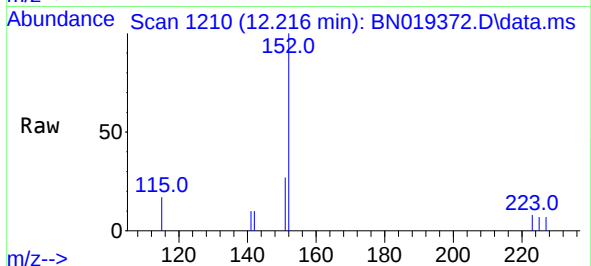
#11
2-Methylnaphthalene-d10
Concen: 0.050 ng
RT: 12.216 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Instrument :
BNA_N
ClientSampleId :
A10015

Tgt Ion:152 Resp: 1088
Ion Ratio Lower Upper
152 100
151 21.5 16.5 24.7

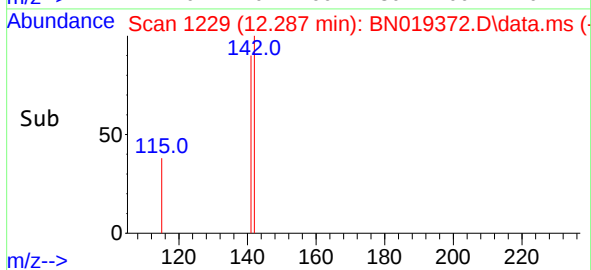
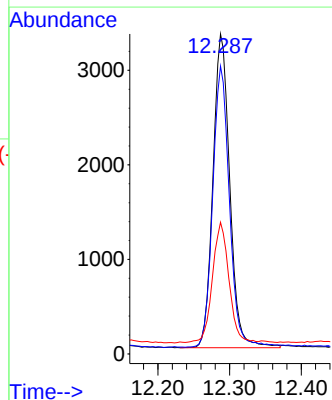
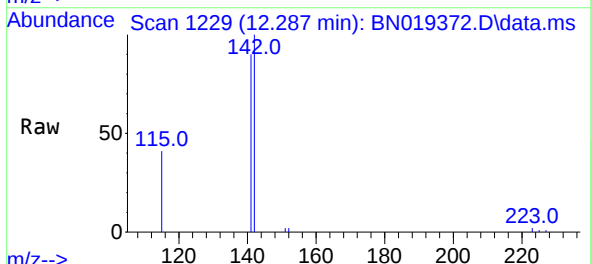
Manual Integrations
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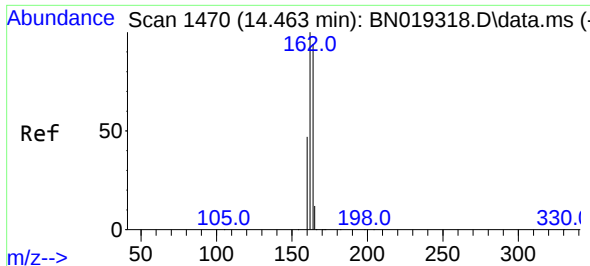
Reviewed By :Christian Giraldo 04/07/2022
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#12
2-Methylnaphthalene
Concen: 0.212 ng
RT: 12.287 min Scan# 1229
Delta R.T. -0.008 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

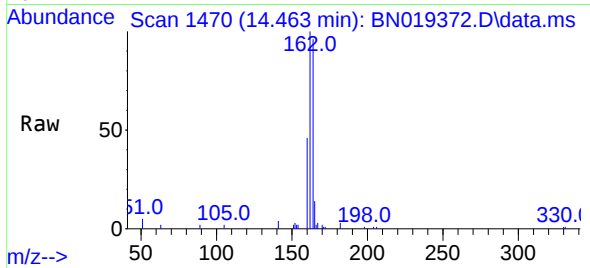
Tgt Ion:142 Resp: 5411
Ion Ratio Lower Upper
142 100
141 89.9 70.0 105.0
115 41.1 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

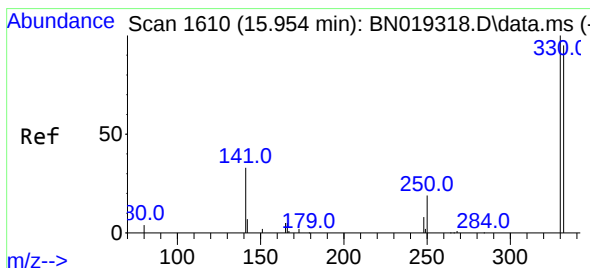
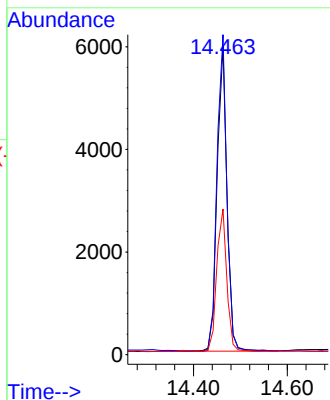
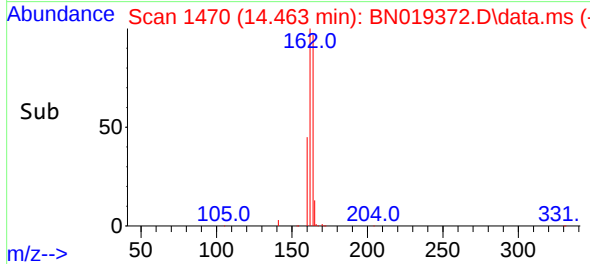
Instrument :
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ClientSampleId :
A10015



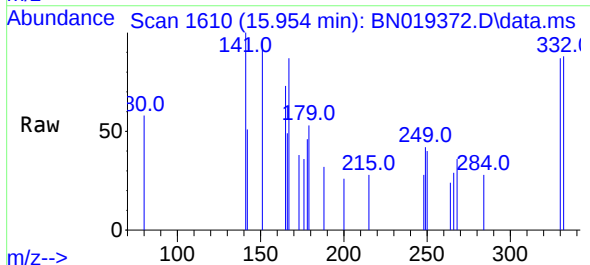
Tgt Ion:164 Resp: 8670
Ion Ratio Lower Upper
164 100
162 103.8 85.2 127.8
160 47.3 41.5 62.3

Manual Integrations
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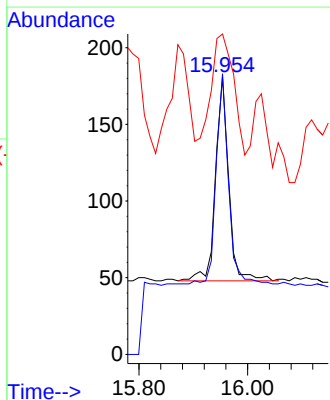
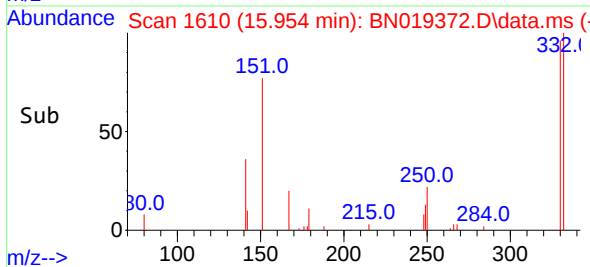
Reviewed By :Christian Giraldo 04/07/2022
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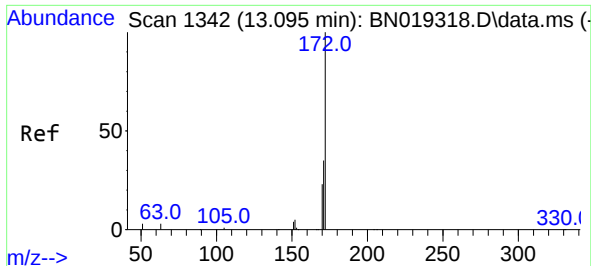


#14
2,4,6-Tribromophenol
Concen: 0.043 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38



Tgt Ion:330 Resp: 224
Ion Ratio Lower Upper
330 100
332 95.5 76.8 115.2
141 99.1 32.2 48.2#





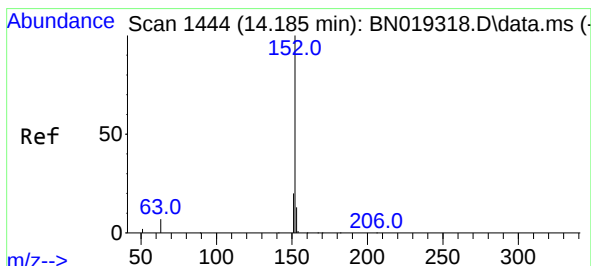
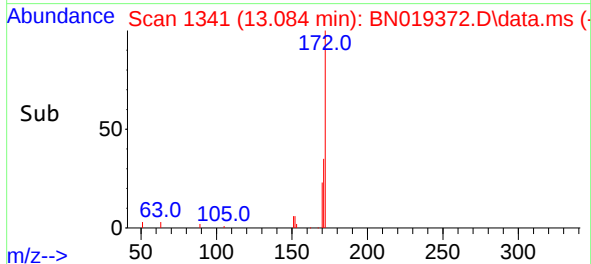
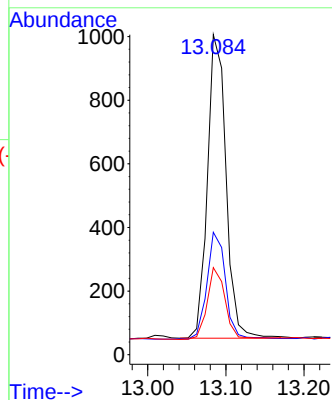
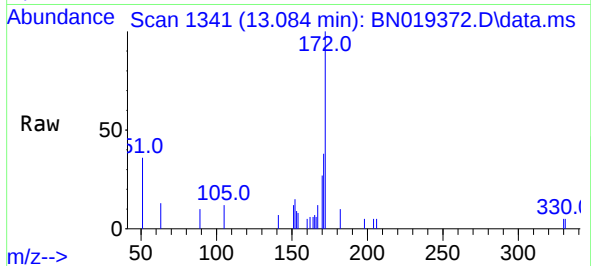
#15
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 13.084 min Scan# 1341
Delta R.T. -0.011 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Instrument :
BNA_N
ClientSampleId :
A10015

Tgt Ion:172 Resp: 158
Ion Ratio Lower Upper
172 100
171 38.3 28.2 42.2
170 27.2 18.7 28.1

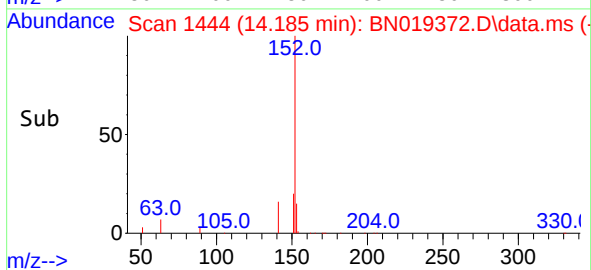
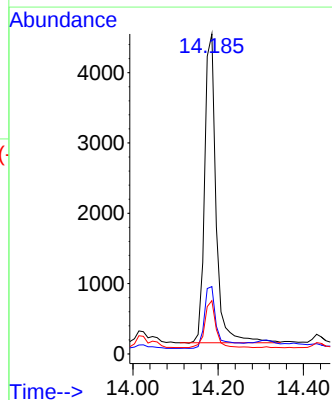
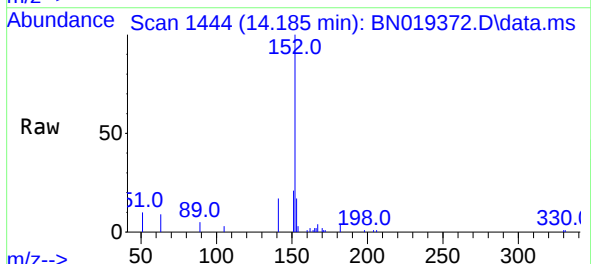
Manual Integrations
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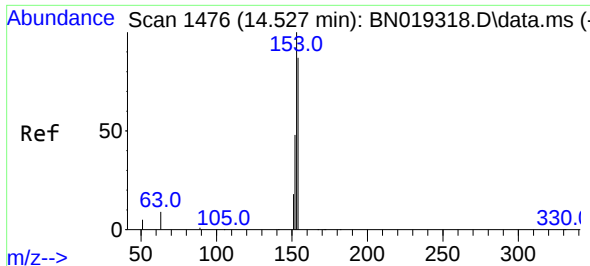
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022



#16
Acenaphthylene
Concen: 0.190 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

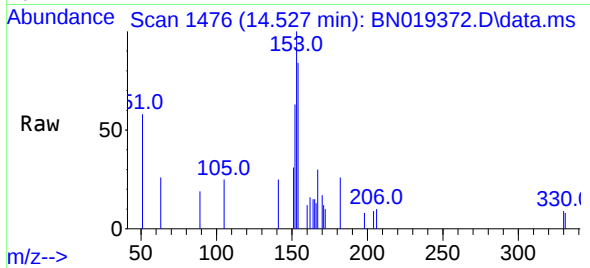
Tgt Ion:152 Resp: 8164
Ion Ratio Lower Upper
152 100
151 22.4 15.9 23.9
153 14.8 10.6 15.8





#17
Acenaphthene
Concen: 0.025 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

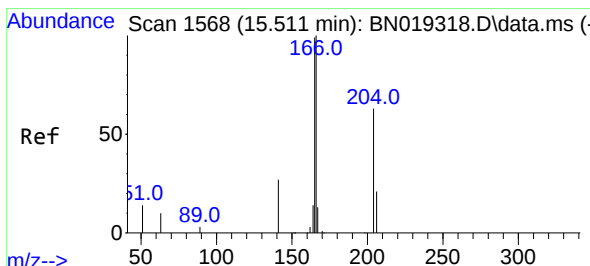
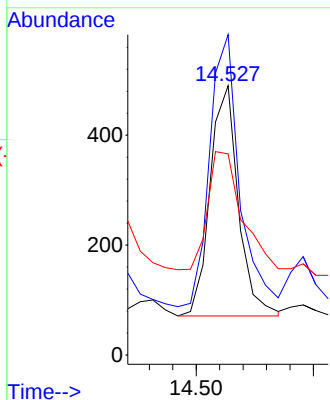
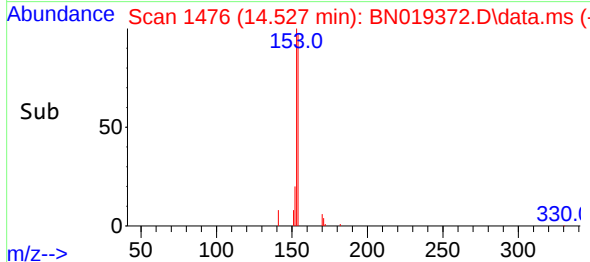
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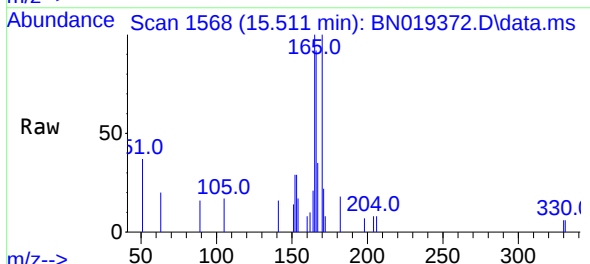
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Ion Ratio Lower Upper
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153 123.9 89.7 134.5
152 84.9 44.7 67.1

Manual Integrations
APPROVED

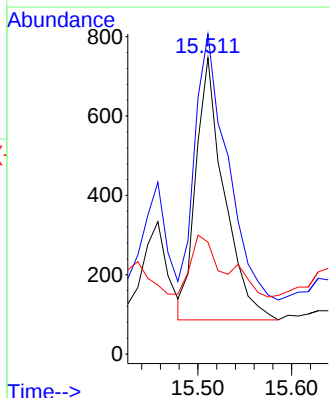
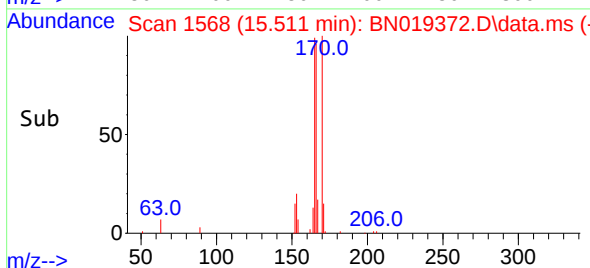
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

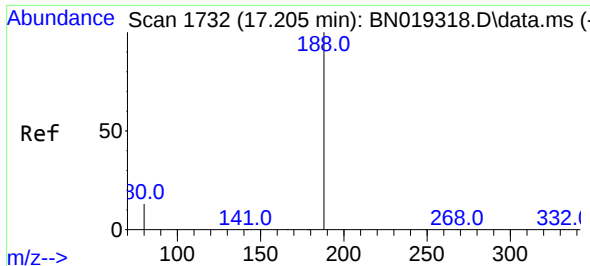


#18
Fluorene
Concen: 0.037 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38



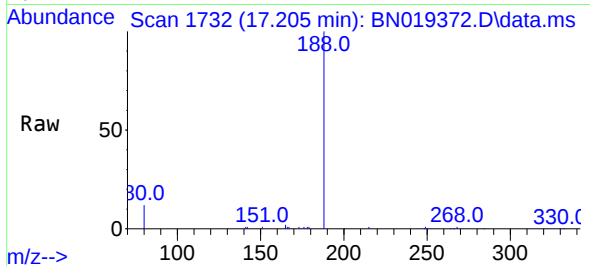
Tgt Ion:166 Resp: 1381
Ion Ratio Lower Upper
166 100
165 115.8 79.2 118.8
167 28.5 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

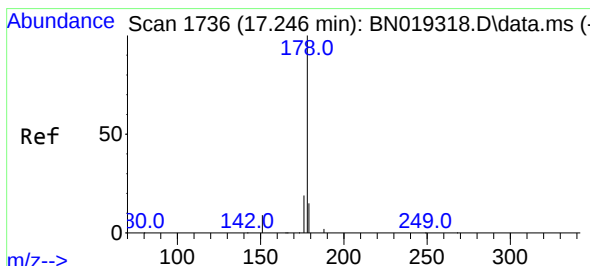
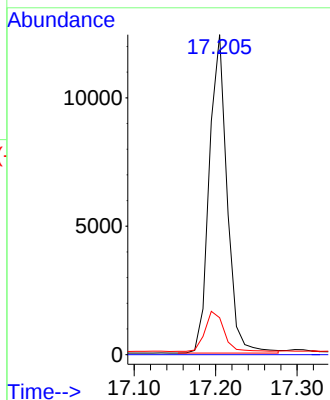
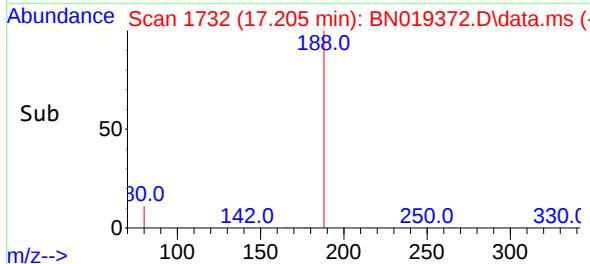
Instrument :
BNA_N
ClientSampleId :
A10015



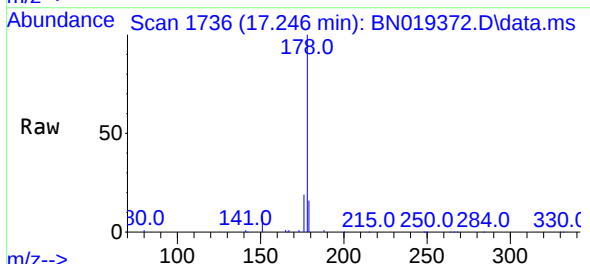
Tgt Ion:188 Resp: 1883
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.6 11.8 17.8

Manual Integrations
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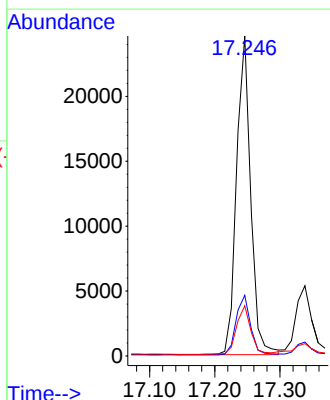
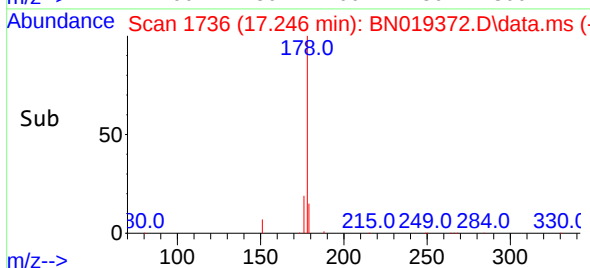
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

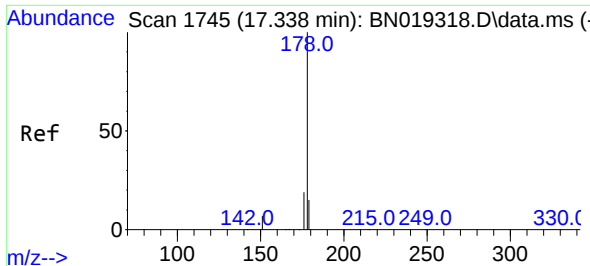


#25
Phenanthrene
Concen: 0.584 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38



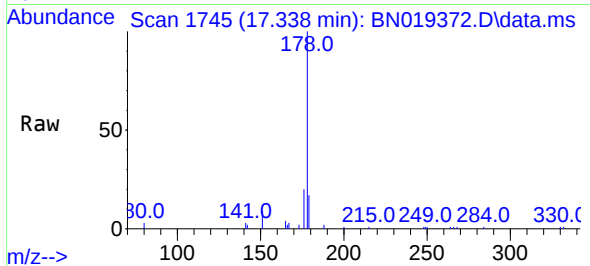
Tgt Ion:178 Resp: 36929
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.4 12.2 18.2





#26
 Anthracene
 Concen: 0.163 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019372.D
 Acq: 06 Apr 2022 17:38

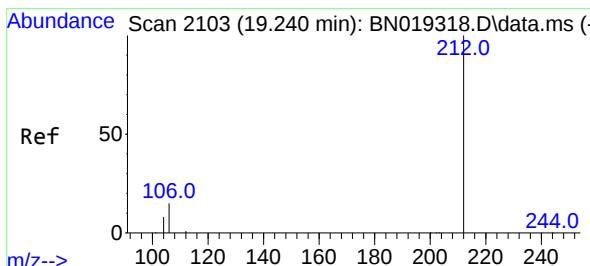
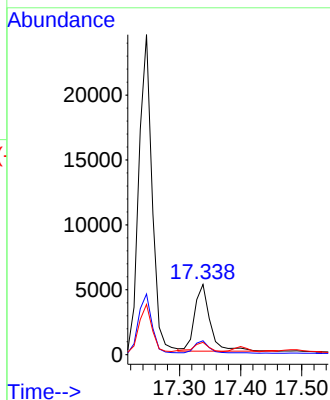
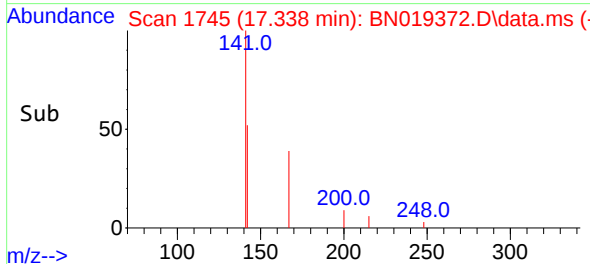
Instrument :
 BNA_N
 ClientSampleId :
 A10015



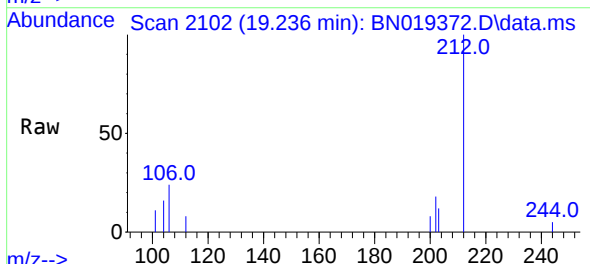
Tgt Ion:178 Resp: 906
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 13.8 12.2 18.4

Manual Integrations
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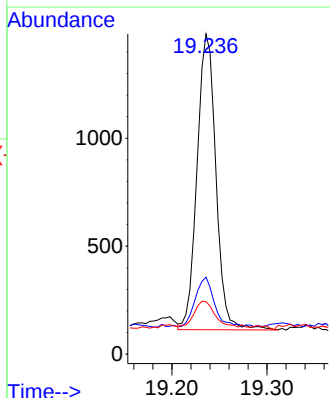
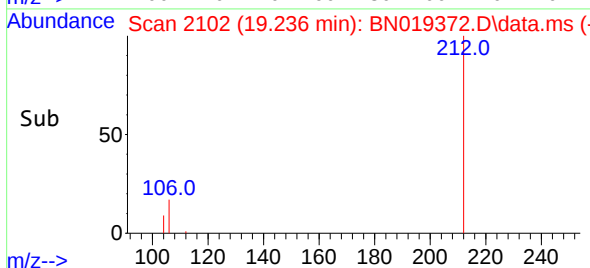
Reviewed By :Christian Giraldo 04/07/2022
 Supervised By :Jagrut Upadhyay 04/11/2022

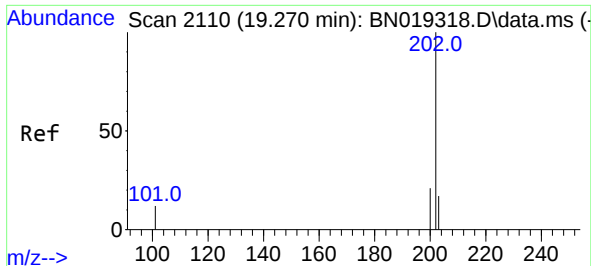


#27
 Fluoranthene-d10
 Concen: 0.031 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019372.D
 Acq: 06 Apr 2022 17:38



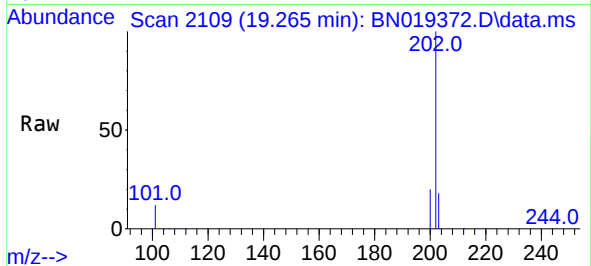
Tgt Ion:212 Resp: 1889
 Ion Ratio Lower Upper
 212 100
 106 17.4 12.7 19.1
 104 10.1 7.1 10.7





#28
Fluoranthene
Concen: 1.257 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

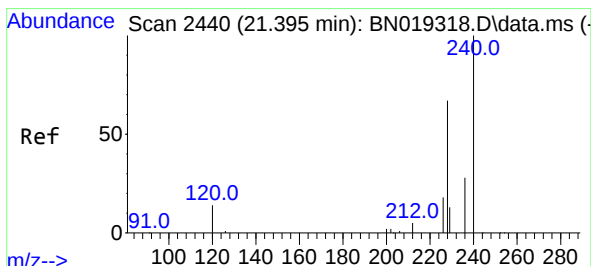
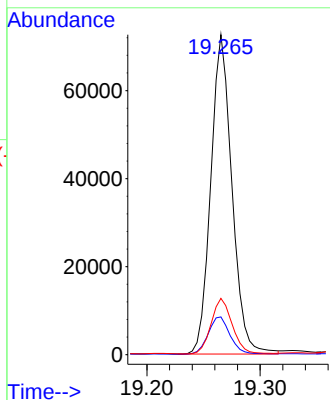
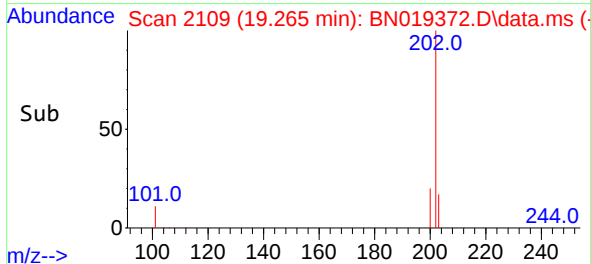
Instrument :
BNA_N
ClientSampleId :
A10015



Tgt Ion:202 Resp: 94239
Ion Ratio Lower Upper
202 100
101 12.1 9.8 14.6
203 17.4 13.7 20.5

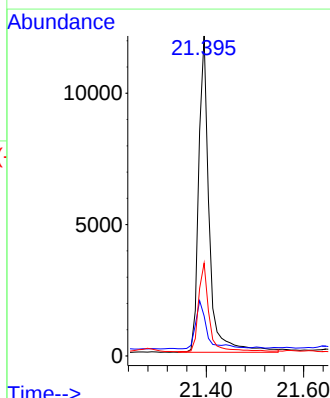
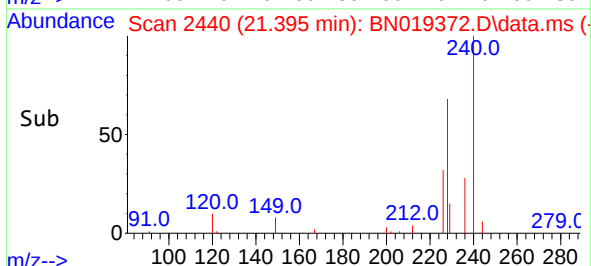
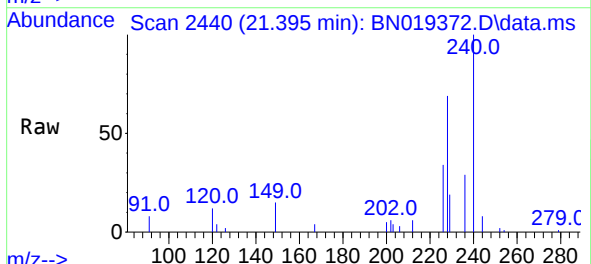
Manual Integrations
APPROVED

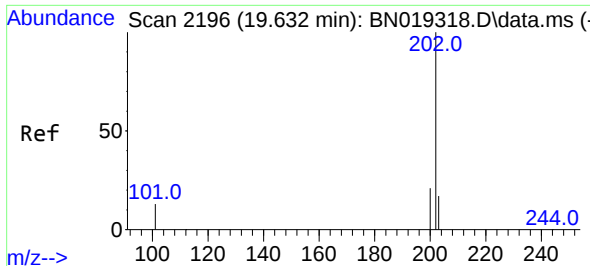
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.395 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Tgt Ion:240 Resp: 18069
Ion Ratio Lower Upper
240 100
120 12.5 8.5 12.7
236 29.0 22.4 33.6





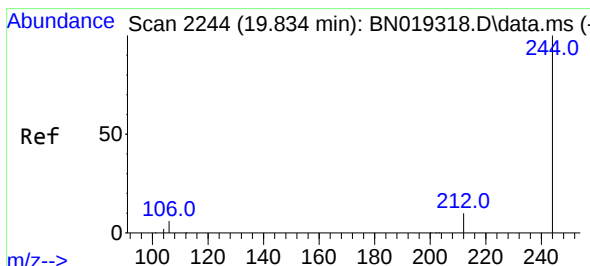
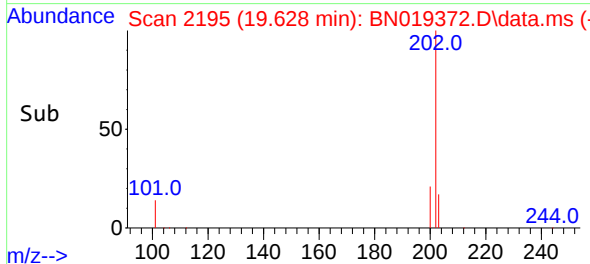
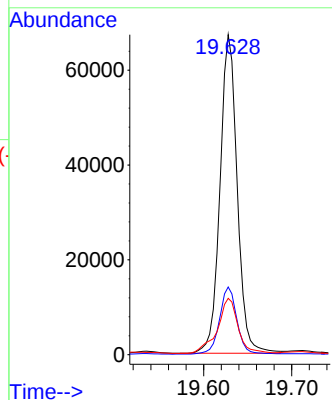
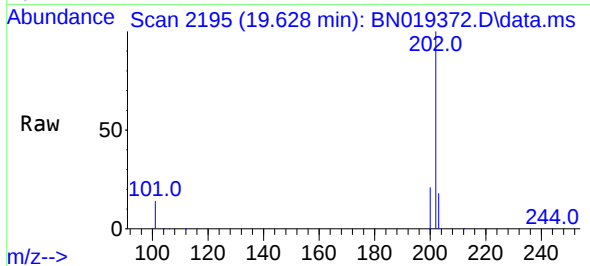
#30
Pyrene
Concen: 1.089 ng
RT: 19.628 min Scan# 2196
Delta R.T. -0.004 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Instrument :
BNA_N
ClientSampleId :
A10015

Tgt Ion:202 Resp: 91586
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 20.8 14.2 21.2

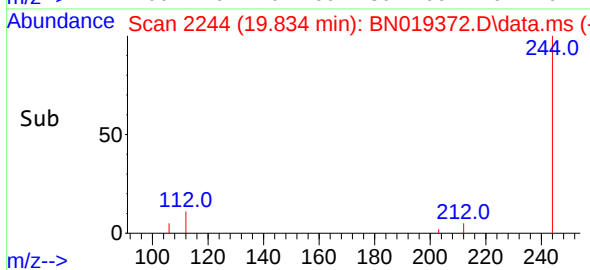
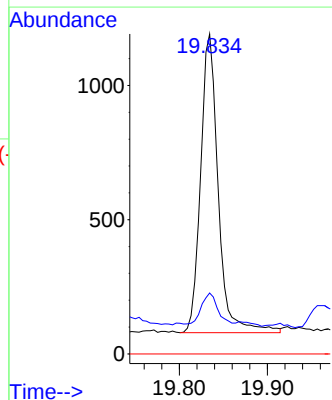
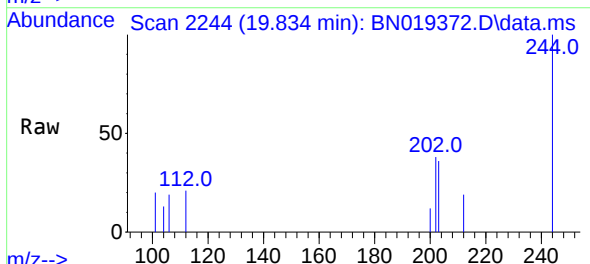
Manual Integrations
APPROVED

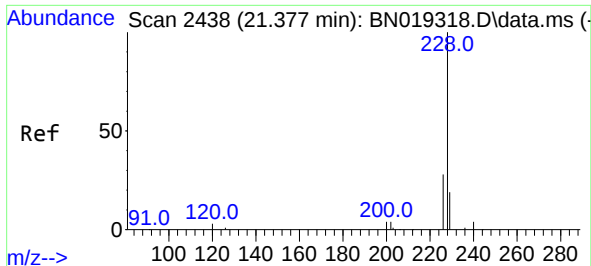
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022



#31
Terphenyl-d14
Concen: 0.039 ng
RT: 19.834 min Scan# 2244
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

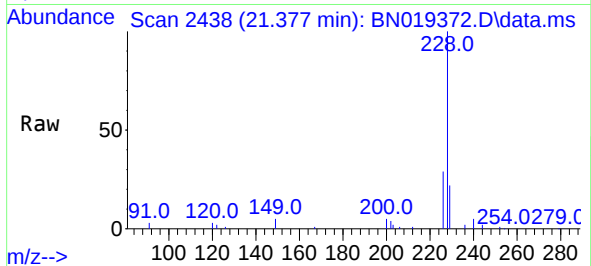
Tgt Ion:244 Resp: 1548
Ion Ratio Lower Upper
244 100
212 19.0 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 0.687 ng
RT: 21.377 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

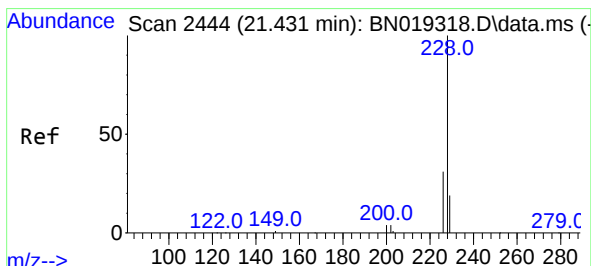
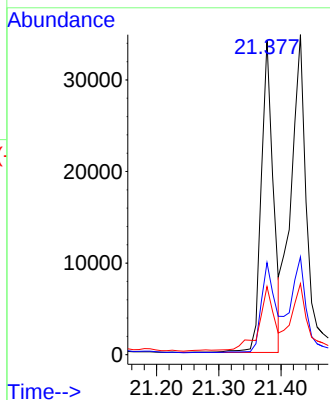
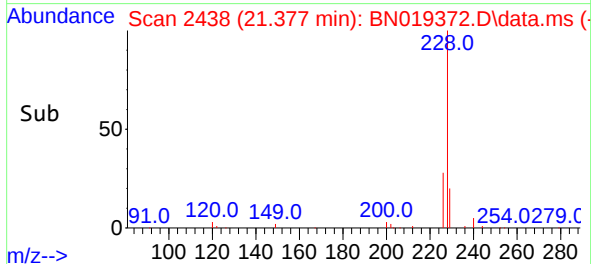
Instrument :
BNA_N
ClientSampleId :
A10015



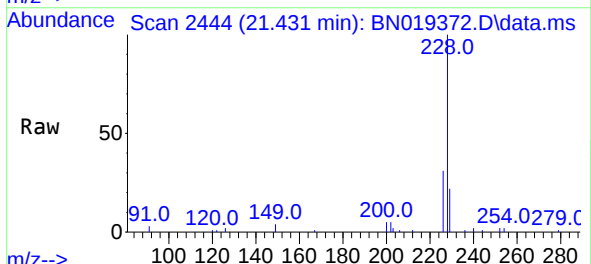
Tgt Ion:228 Resp: 4585
Ion Ratio Lower Upper
228 100
226 29.3 21.9 32.9
229 21.7 16.0 24.0

Manual Integrations
APPROVED

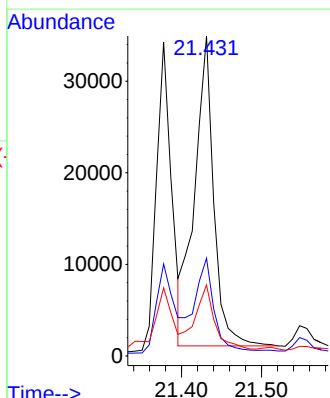
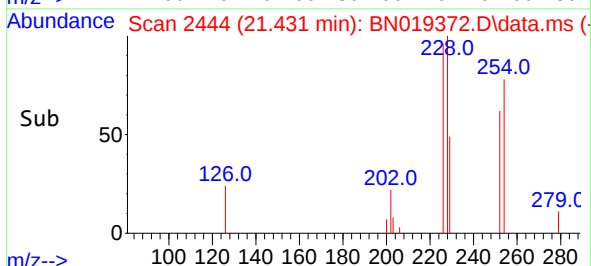
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

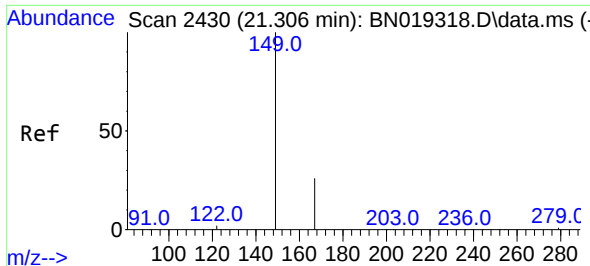


#33
Chrysene
Concen: 0.764 ng
RT: 21.431 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38



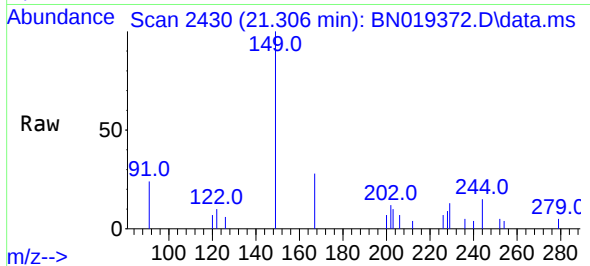
Tgt Ion:228 Resp: 56659
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 22.2 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.072 ng
RT: 21.306 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

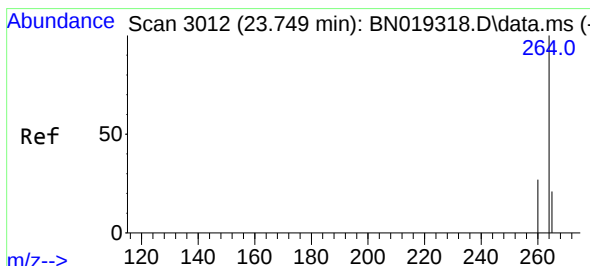
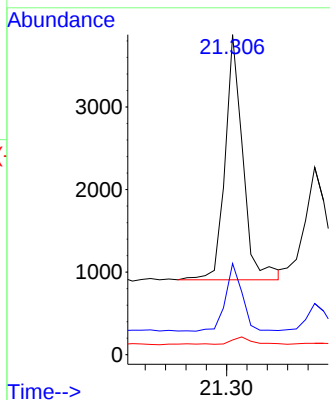
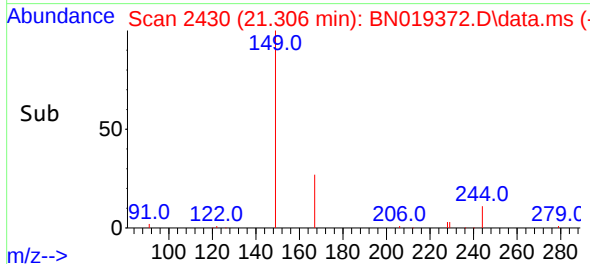
Instrument :
BNA_N
ClientSampleId :
A10015



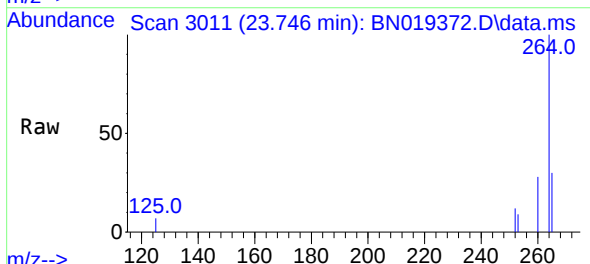
Tgt Ion:149 Resp: 3592
Ion Ratio Lower Upper
149 100
167 25.5 21.8 32.8
279 3.4 2.0 3.0

Manual Integrations
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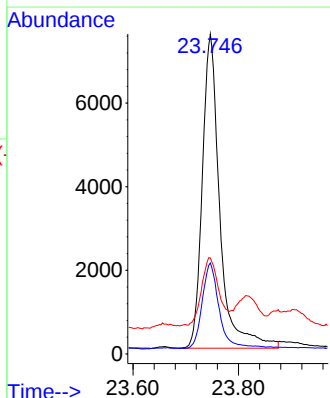
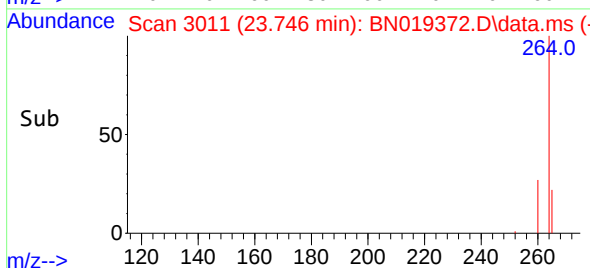
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

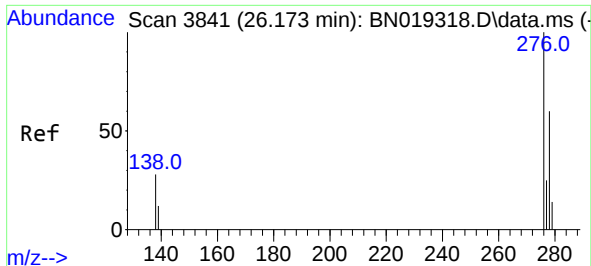


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.746 min Scan# 3011
Delta R.T. -0.003 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38



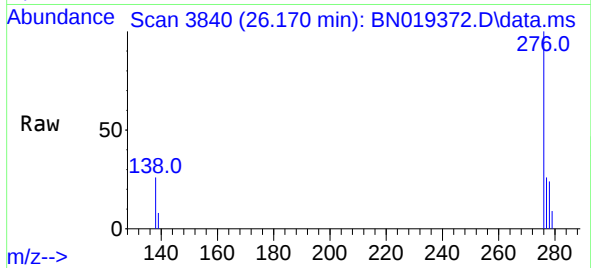
Tgt Ion:264 Resp: 17328
Ion Ratio Lower Upper
264 100
260 28.4 22.4 33.6
265 30.0 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.315 ng
RT: 26.170 min Scan# 3841
Delta R.T. -0.003 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

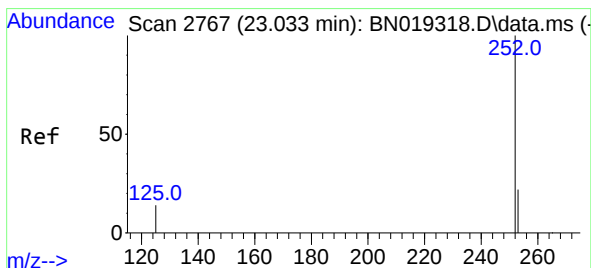
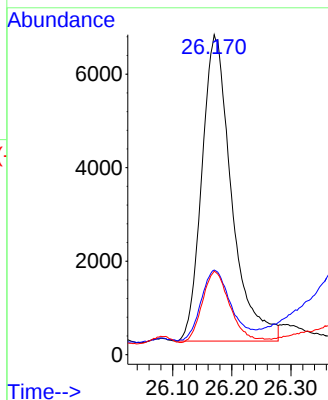
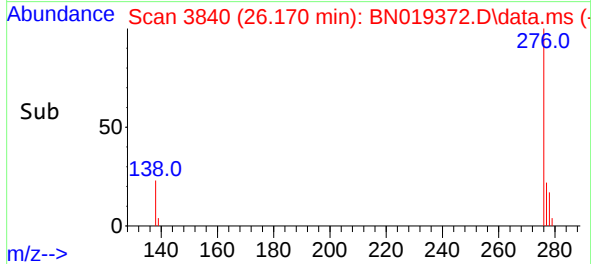
Instrument :
BNA_N
ClientSampleId :
A10015



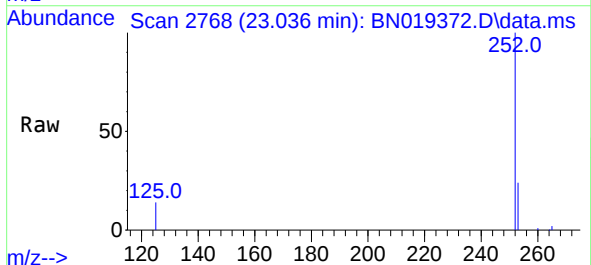
Tgt Ion:276 Resp: 22849
Ion Ratio Lower Upper
276 100
138 23.5 24.5 36.7
277 21.6 19.8 29.8

Manual Integrations
APPROVED

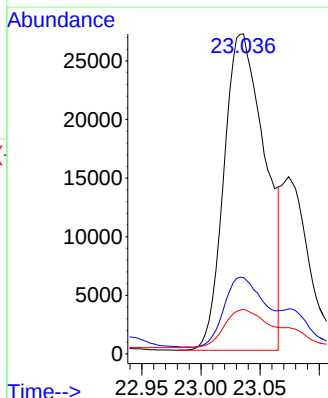
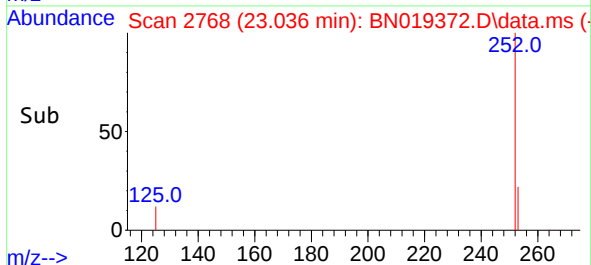
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

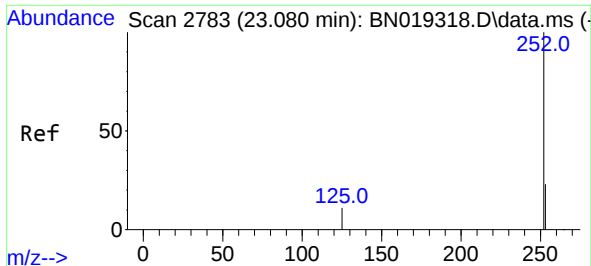


#37
Benzo(b)fluoranthene
Concen: 0.961 ng
RT: 23.036 min Scan# 2768
Delta R.T. 0.003 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38



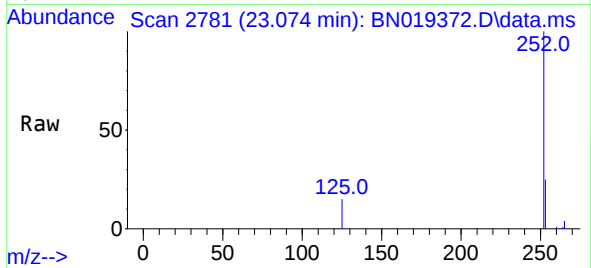
Tgt Ion:252 Resp: 65224
Ion Ratio Lower Upper
252 100
253 23.8 18.9 28.3
125 14.0 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 0.365 ng m
RT: 23.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

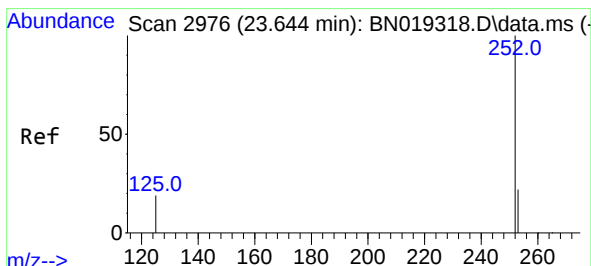
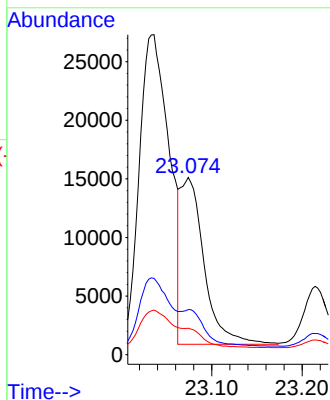
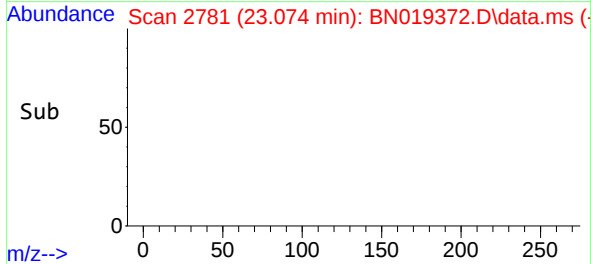
Instrument :
BNA_N
ClientSampleId :
A10015



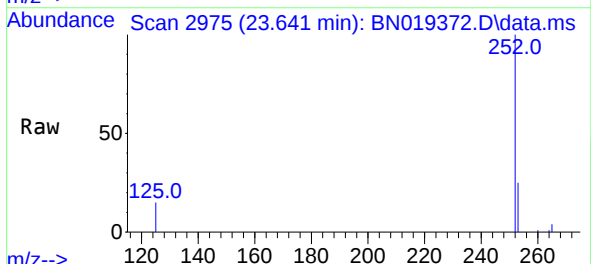
Tgt Ion:252 Resp: 25932
Ion Ratio Lower Upper
252 100
253 25.4 18.9 28.3
125 14.9 10.3 15.5

Manual Integrations
APPROVED

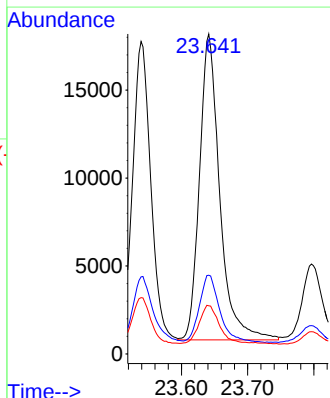
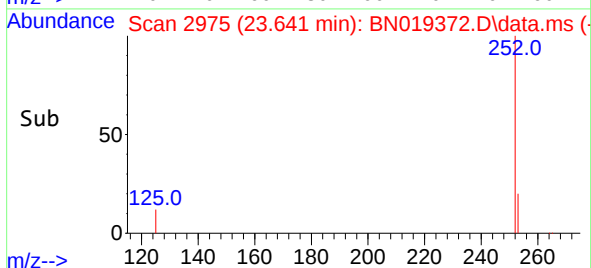
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

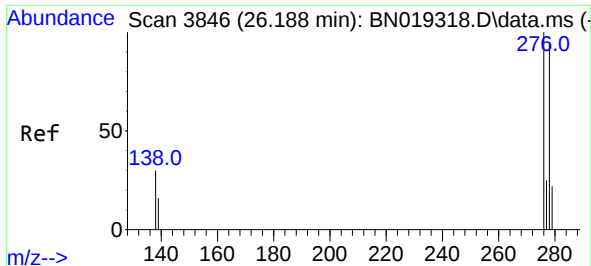


#39
Benzo(a)pyrene
Concen: 0.606 ng m
RT: 23.641 min Scan# 2975
Delta R.T. -0.003 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38



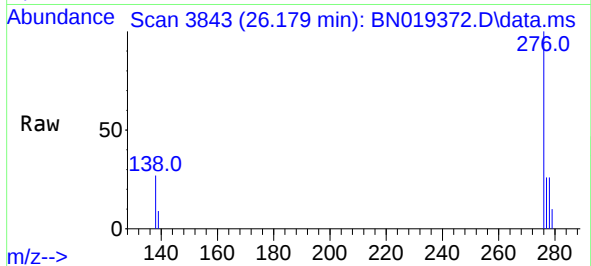
Tgt Ion:252 Resp: 36954
Ion Ratio Lower Upper
252 100
253 24.6 20.1 30.1
125 15.1 15.2 22.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.096 ng
RT: 26.179 min Scan# 3843
Delta R.T. -0.009 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

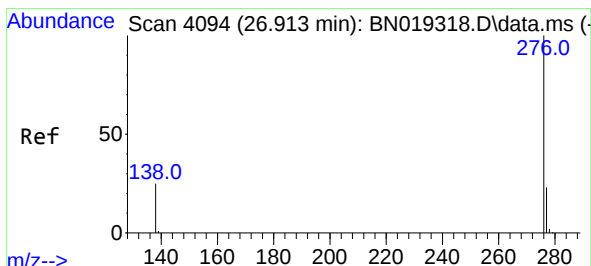
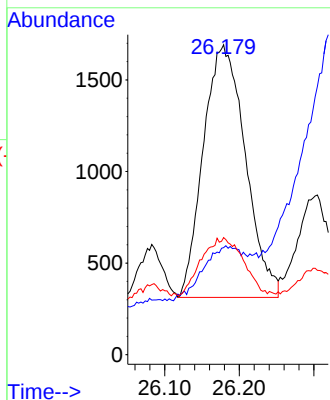
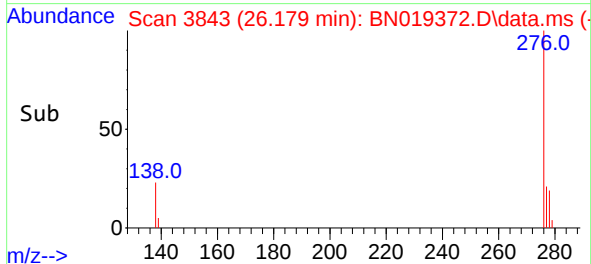
Instrument :
BNA_N
ClientSampleId :
A10015



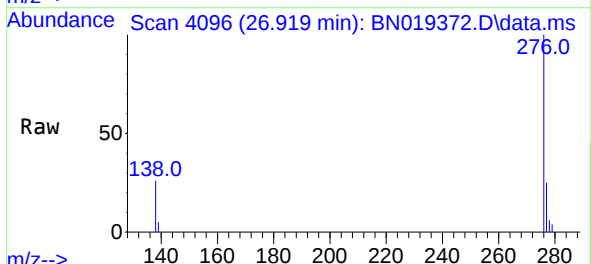
Tgt Ion:278 Resp: 540
Ion Ratio Lower Upper
278 100
139 34.6 17.2 25.8
279 37.8 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022



#41
Benzo(g,h,i)perylene
Concen: 0.358 ng
RT: 26.919 min Scan# 4096
Delta R.T. 0.006 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38



Tgt Ion:276 Resp: 24066
Ion Ratio Lower Upper
276 100
277 25.4 19.4 29.0
138 26.1 21.0 31.6

