

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041122\
 Data File : BN019415.D
 Acq On : 11 Apr 2022 16:47
 Operator : CG/JU
 Sample : N2334-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP040522

Quant Time: Apr 12 07:32:38 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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/12/2022
 Supervised By : Jagrut Upadhyay 04/13/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	4990	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	13350	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	7717	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	14079	0.400	ng	0.00
29) Chrysene-d12	21.387	240	10716	0.400	ng	# 0.00
35) Perylene-d12	23.735	264	10098	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	524	0.039	ng	0.00
5) Phenol-d6	7.002	99	241	0.015	ng	0.01
8) Nitrobenzene-d5	8.982	82	1725	0.142	ng	0.00
11) 2-Methylnaphthalene-d10	12.219	152	4435	0.189	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	272	0.058	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	6072	0.189	ng	0.00
27) Fluoranthene-d10	19.236	212	10840	0.239	ng	0.00
31) Terphenyl-d14	19.830	244	6135	0.263	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.680	128	2893	0.073	ng	# 68
17) Acenaphthene	14.527	154	978	0.038	ng	99
26) Anthracene	17.338	178	833	0.020	ng	97
28) Fluoranthene	19.265	202	4823	0.086	ng	99
30) Pyrene	19.628	202	4616	0.093	ng	# 95
32) Benzo(a)anthracene	21.378	228	1533	0.039	ng	# 61
33) Chrysene	21.404	228	1051m	0.024	ng	
34) Bis(2-ethylhexyl)phtha...	21.297	149	5732	0.195	ng	# 100
36) Indeno(1,2,3-cd)pyrene	26.167	276	1918	0.045	ng	# 74
37) Benzo(b)fluoranthene	23.030	252	3316	0.084	ng	# 46
38) Benzo(k)fluoranthene	23.068	252	1286m	0.031	ng	
39) Benzo(a)pyrene	23.633	252	2027	0.057	ng	# 35
41) Benzo(g,h,i)perylene	26.904	276	2588	0.066	ng	# 81

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

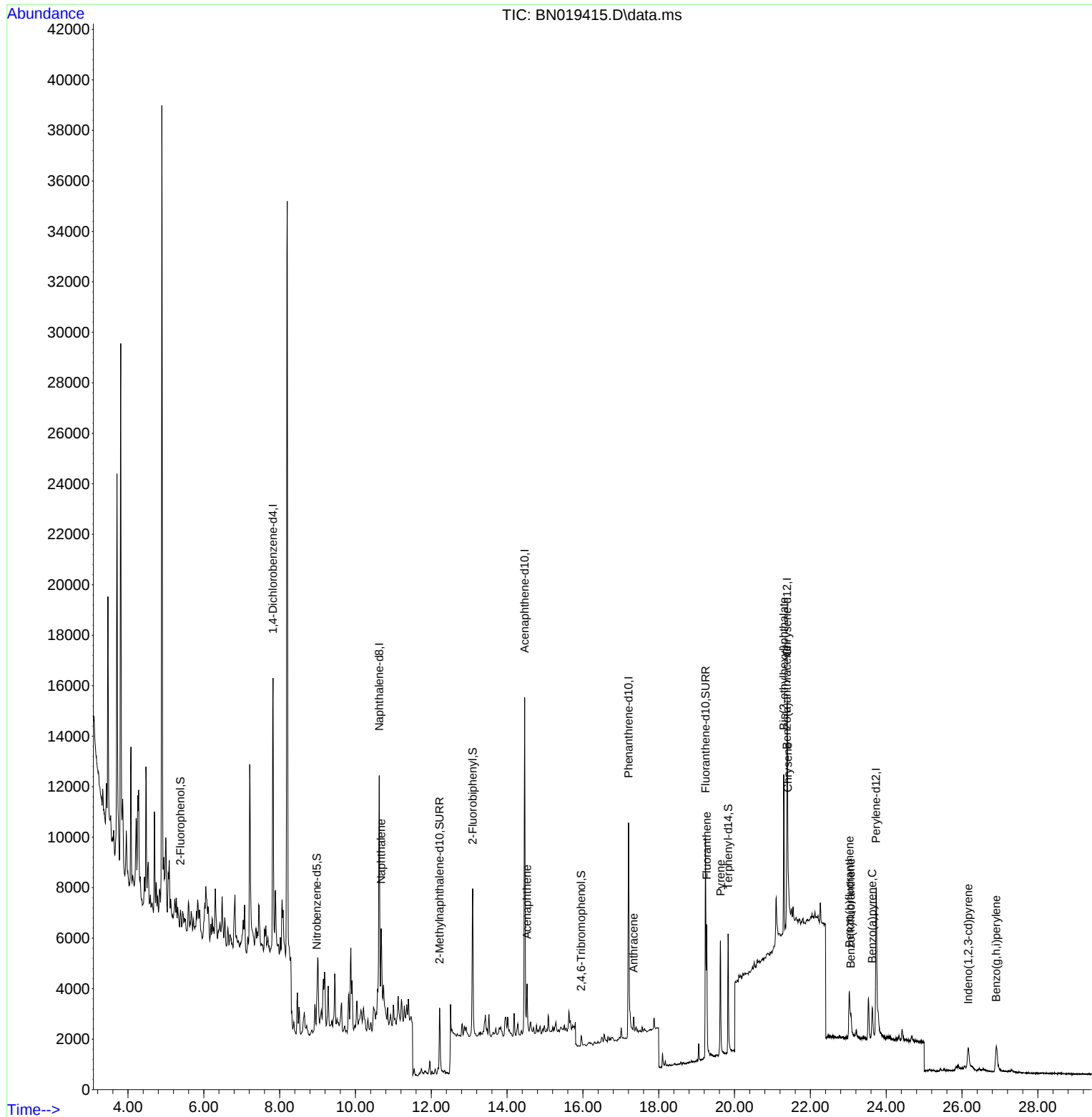
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041122\
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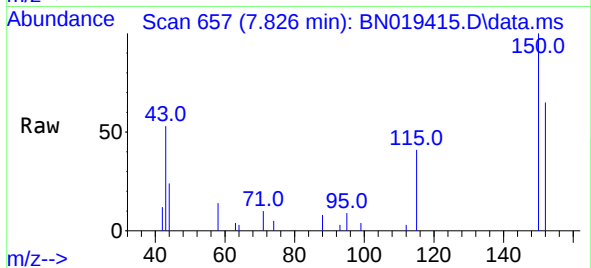
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Supervised By : Jagrut Upadhyay 04/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

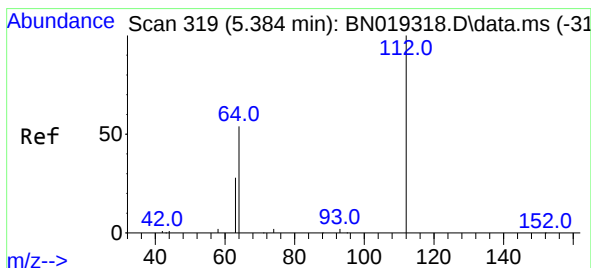
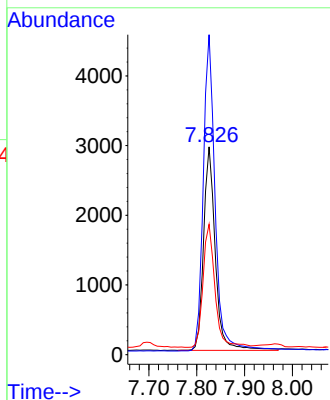
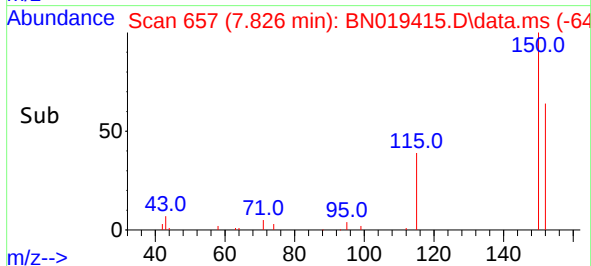
Instrument :
BNA_N
ClientSampleId :
DUP040522



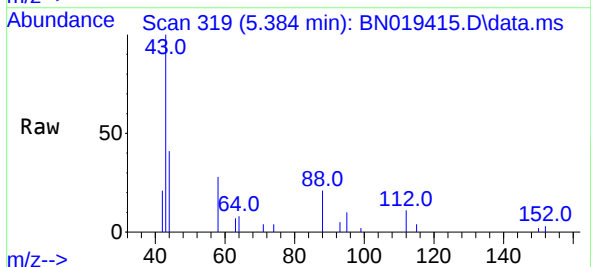
Tgt Ion:152 Resp: 4990
Ion Ratio Lower Upper
152 100
150 153.9 123.9 185.9
115 62.7 48.2 72.4

Manual Integrations
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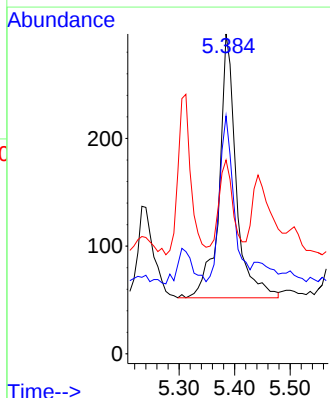
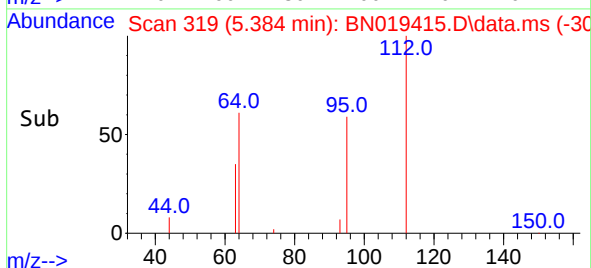
Reviewed By :Christian Giraldo 04/12/2022
Supervised By :Jagrut Upadhyay 04/13/2022



#4
2-Fluorophenol
Concen: 0.039 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47



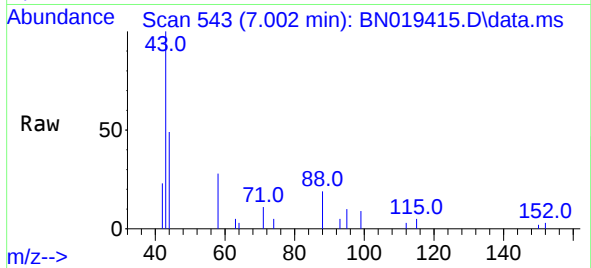
Tgt Ion:112 Resp: 524
Ion Ratio Lower Upper
112 100
64 51.9 47.8 71.8
63 25.0 25.7 38.5





#5
Phenol-d6
Concen: 0.015 ng
RT: 7.002 min Scan# 541
Delta R.T. 0.015 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

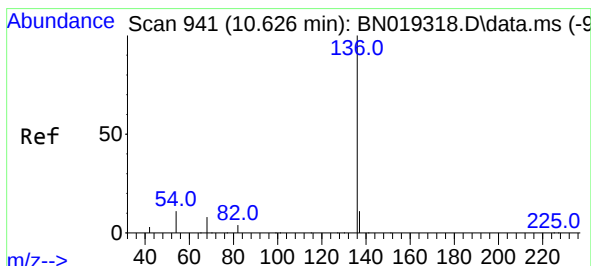
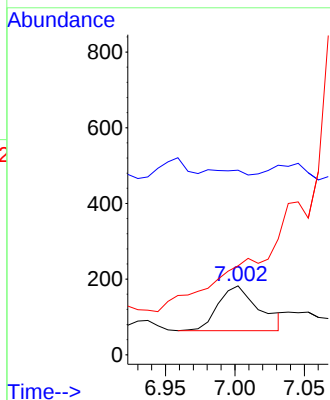
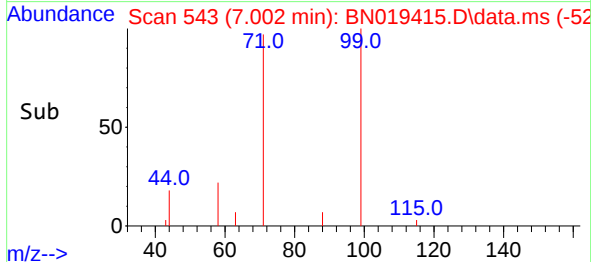
Instrument :
BNA_N
ClientSampleId :
DUP040522



Tgt Ion: 99 Resp: 24
Ion Ratio Lower Upper
99 100
42 0.0 16.2 24.4
71 0.0 27.7 41.5

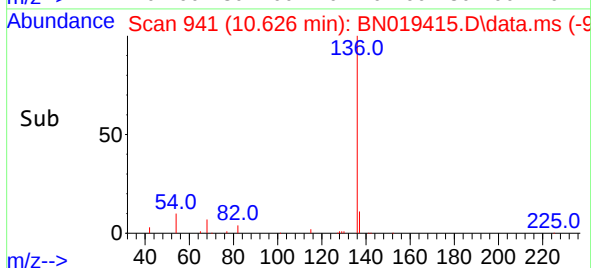
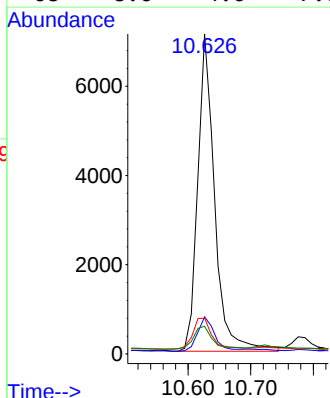
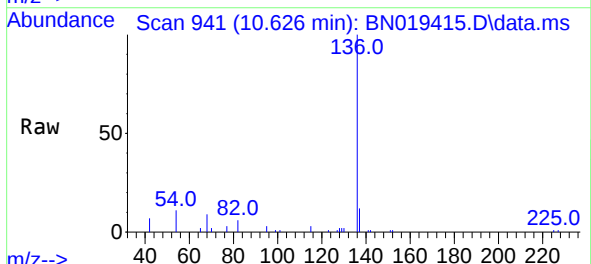
Manual Integrations
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

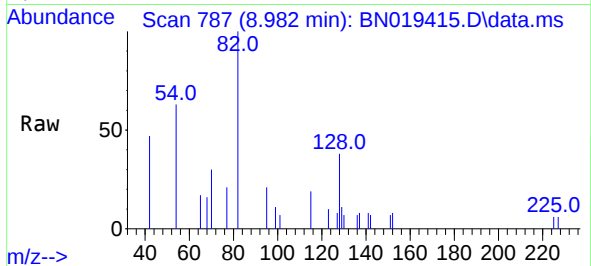
Tgt Ion:136 Resp: 13350
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.4
54 11.1 5.8 8.6#
68 8.6 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.142 ng
RT: 8.982 min Scan# 787
Delta R.T. 0.000 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

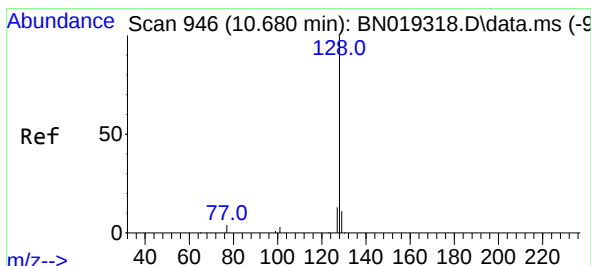
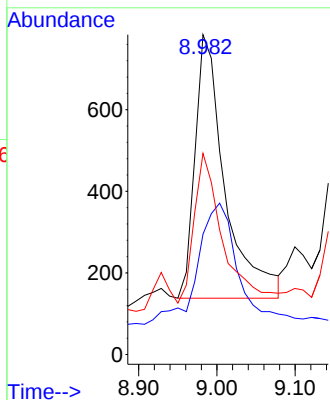
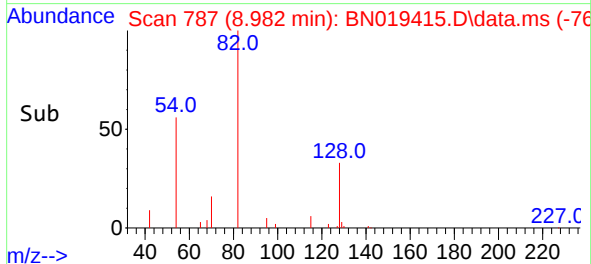
Instrument :
BNA_N
ClientSampleId :
DUP040522



Tgt Ion: 82 Resp: 1725
Ion Ratio Lower Upper
82 100
128 37.6 33.0 49.6
54 62.9 42.5 63.7

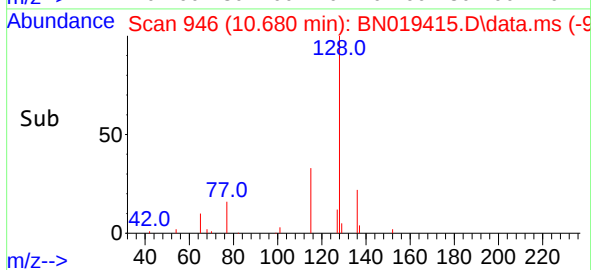
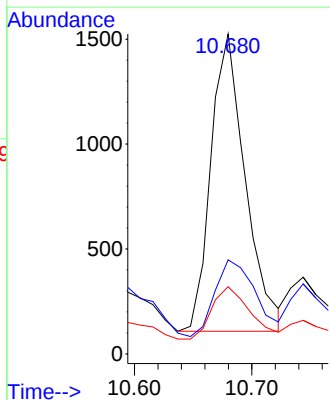
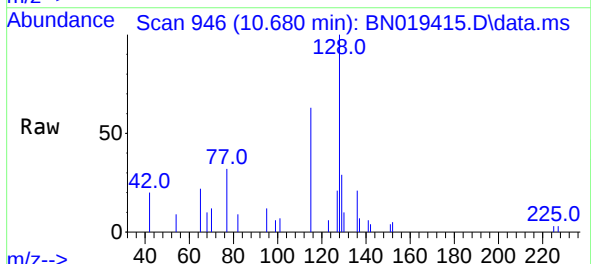
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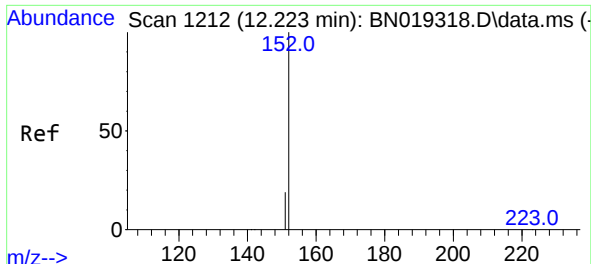
Reviewed By :Christian Giraldo 04/12/2022
Supervised By :Jagrut Upadhyay 04/13/2022



#9
Naphthalene
Concen: 0.073 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

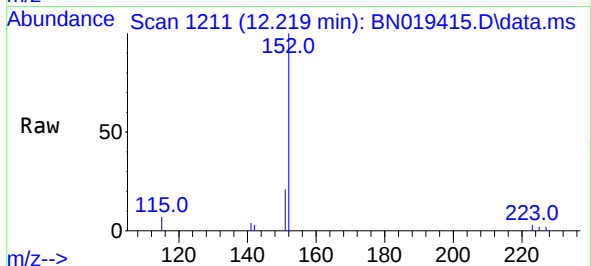
Tgt Ion:128 Resp: 2893
Ion Ratio Lower Upper
128 100
129 29.4 9.0 13.4#
127 21.0 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.189 ng
RT: 12.219 min Scan# 1211
Delta R.T. -0.004 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

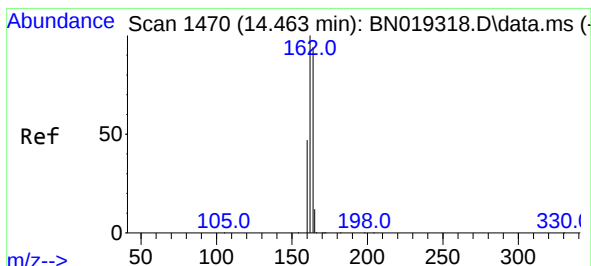
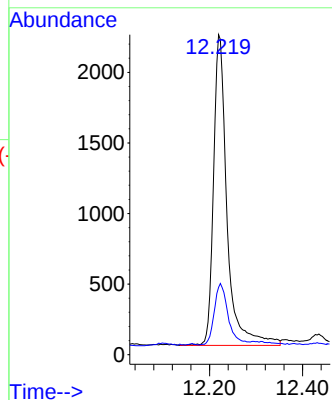
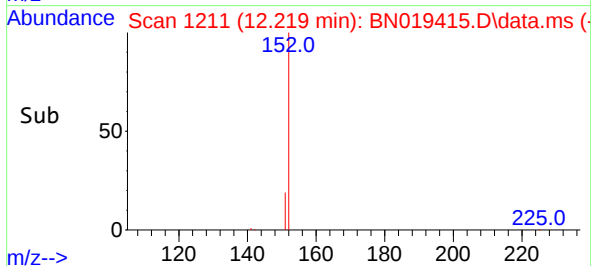
Instrument :
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ClientSampleId :
DUP040522



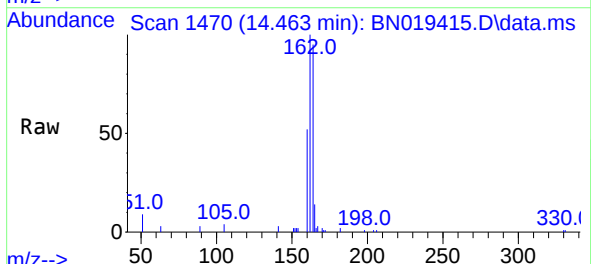
Tgt Ion:152 Resp: 4438
Ion Ratio Lower Upper
152 100
151 20.4 16.5 24.7

Manual Integrations
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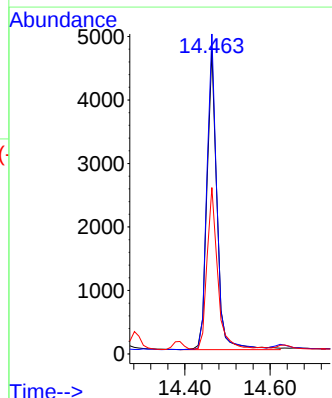
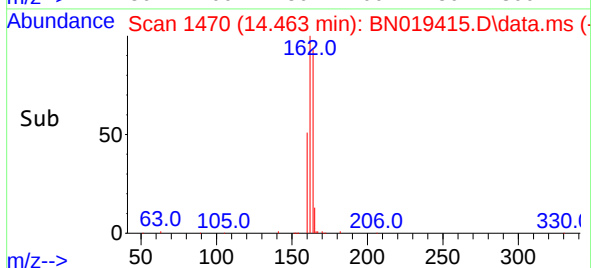
Reviewed By :Christian Giraldo 04/12/2022
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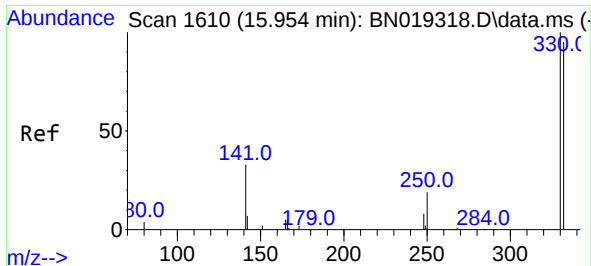


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47



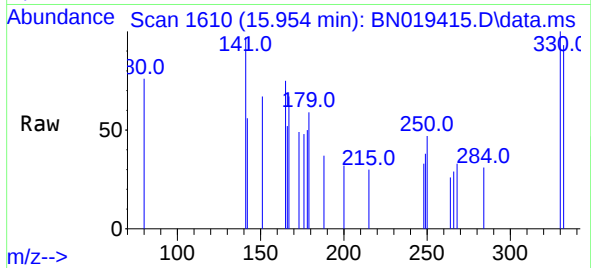
Tgt Ion:164 Resp: 7717
Ion Ratio Lower Upper
164 100
162 105.5 85.2 127.8
160 54.9 41.5 62.3





#14
2,4,6-Tribromophenol
Concen: 0.058 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

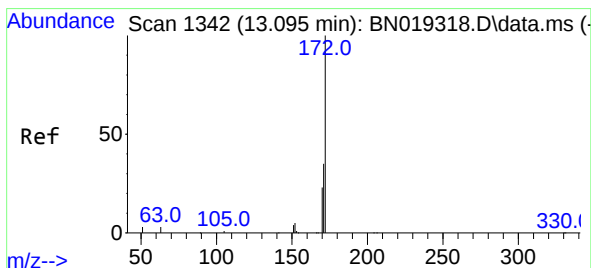
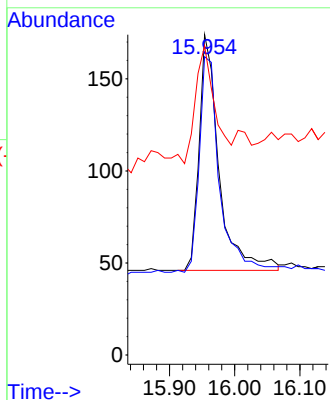
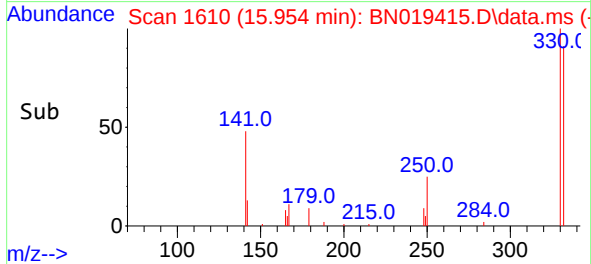
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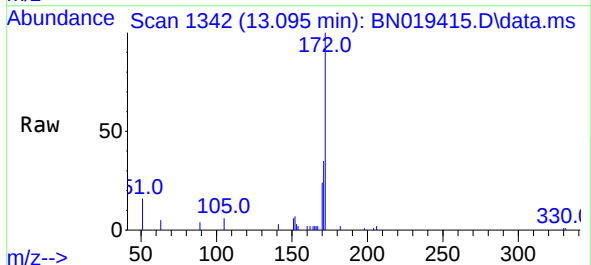
Tgt Ion:330 Resp: 272
Ion Ratio Lower Upper
330 100
332 93.8 76.8 115.2
141 43.8 32.2 48.2

Manual Integrations
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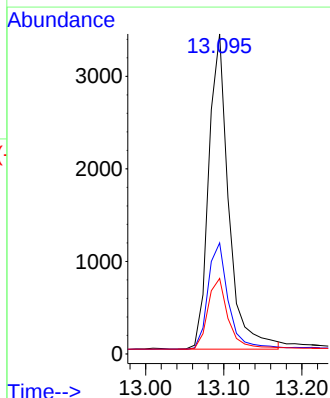
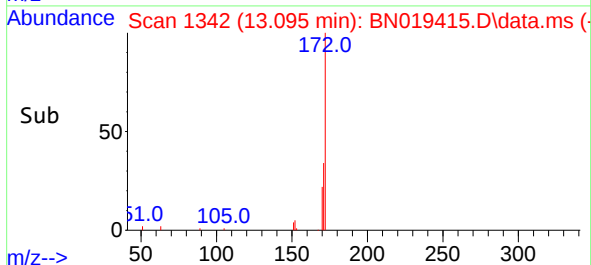
Reviewed By :Christian Giraldo 04/12/2022
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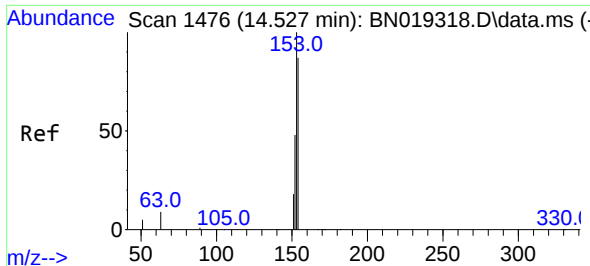


#15
2-Fluorobiphenyl
Concen: 0.189 ng
RT: 13.095 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47



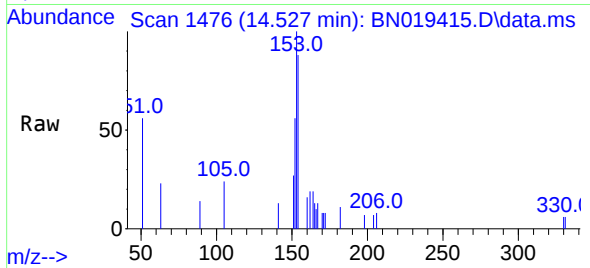
Tgt Ion:172 Resp: 6072
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.6 18.7 28.1





#17
Acenaphthene
Concen: 0.038 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

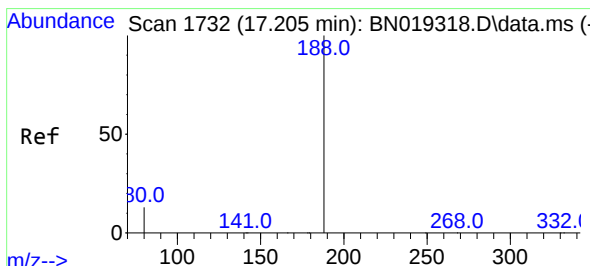
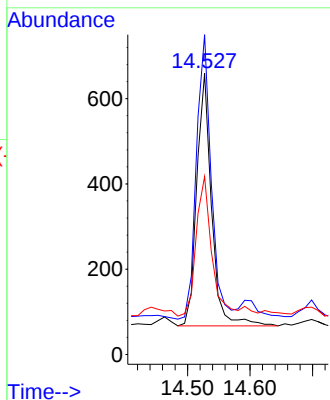
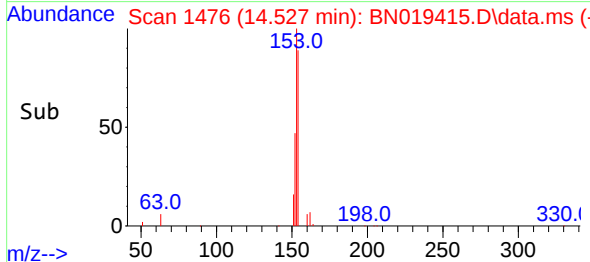
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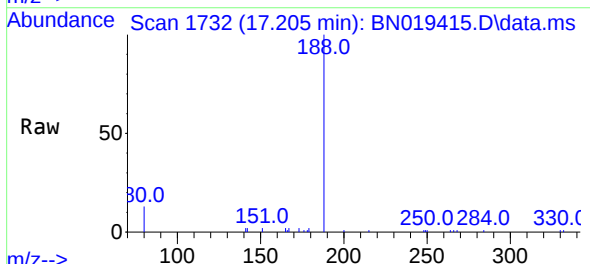
Tgt Ion:154 Resp: 978
Ion Ratio Lower Upper
154 100
153 111.7 89.7 134.5
152 57.8 44.7 67.1

Manual Integrations
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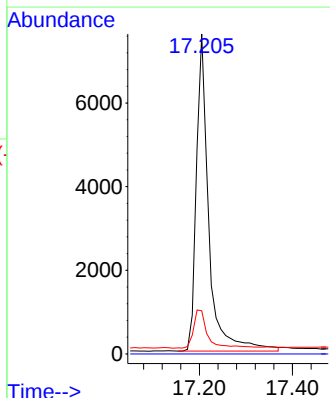
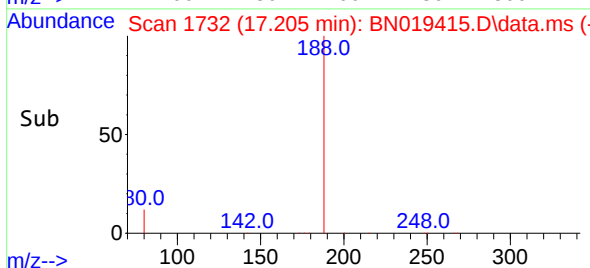
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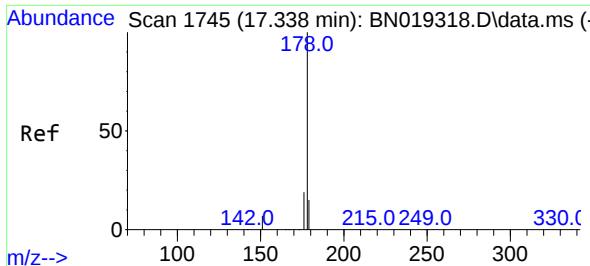


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47



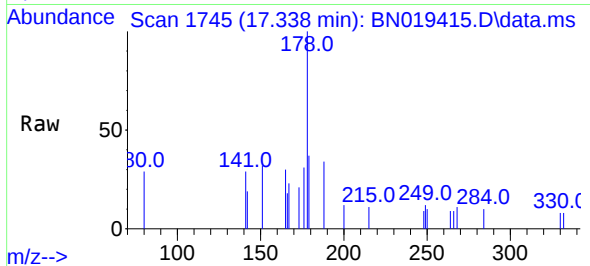
Tgt Ion:188 Resp: 14079
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.5 11.8 17.8





#26
 Anthracene
 Concen: 0.020 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019415.D
 Acq: 11 Apr 2022 16:47

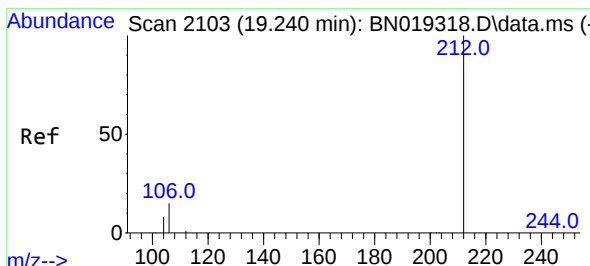
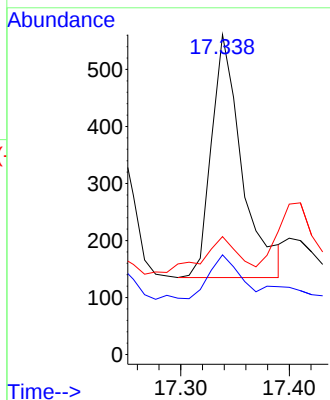
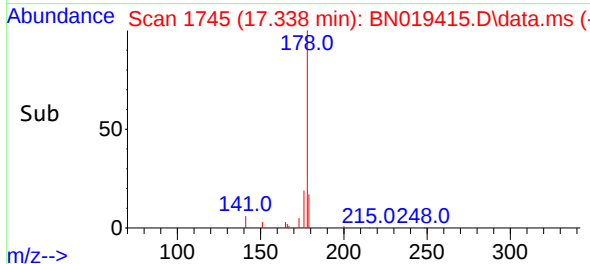
Instrument :
 BNA_N
 ClientSampleId :
 DUP040522



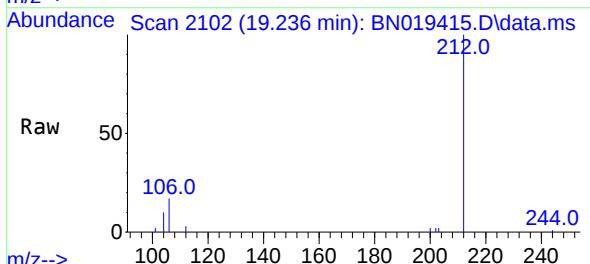
Tgt Ion:178 Resp: 833
 Ion Ratio Lower Upper
 178 100
 176 17.3 14.8 22.2
 179 16.4 12.2 18.4

Manual Integrations
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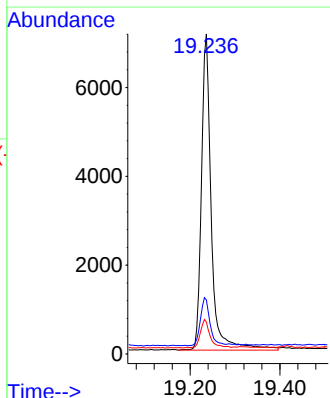
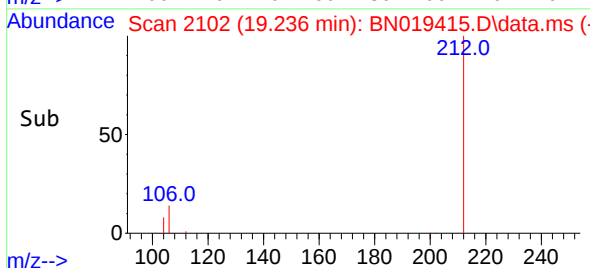
Reviewed By :Christian Giraldo 04/12/2022
 Supervised By :Jagrut Upadhyay 04/13/2022

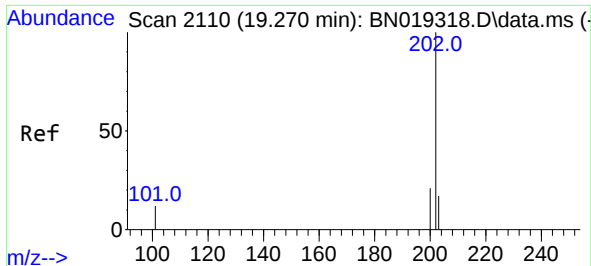


#27
 Fluoranthene-d10
 Concen: 0.239 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019415.D
 Acq: 11 Apr 2022 16:47



Tgt Ion:212 Resp: 10840
 Ion Ratio Lower Upper
 212 100
 106 14.8 12.7 19.1
 104 8.3 7.1 10.7





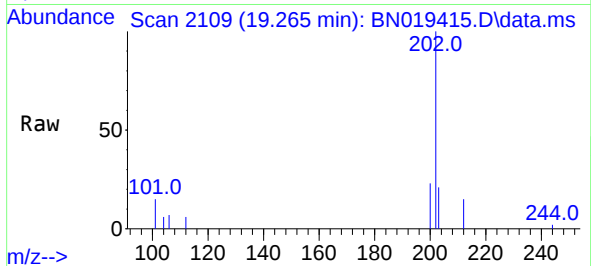
#28
Fluoranthene
Concen: 0.086 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

Instrument :

BNA_N

ClientSampleId :

DUP040522

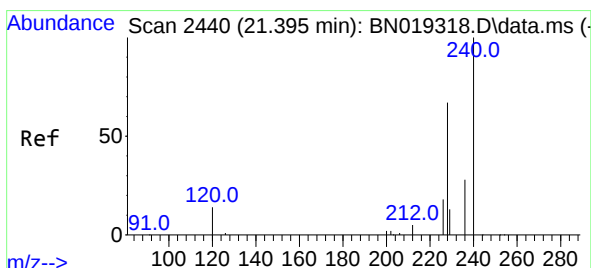
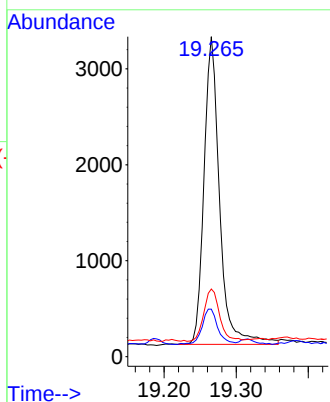
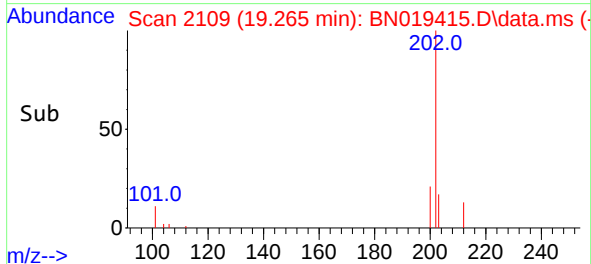


Tgt Ion:202 Resp: 482.0
Ion Ratio Lower Upper
202 100
101 11.7 9.8 14.6
203 17.1 13.7 20.5

Manual Integrations

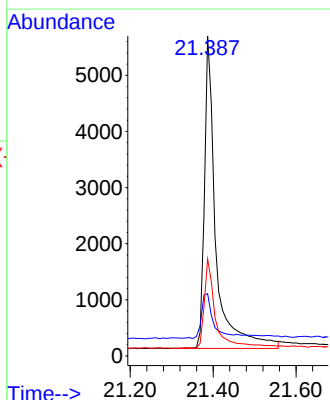
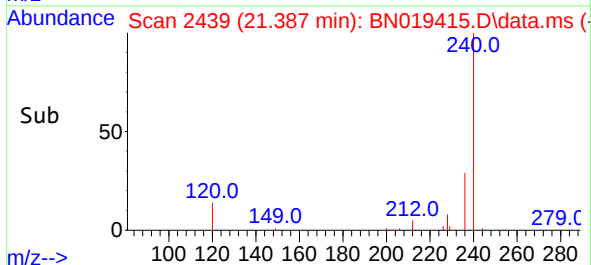
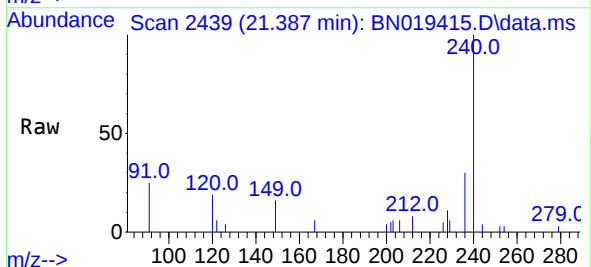
APPROVED

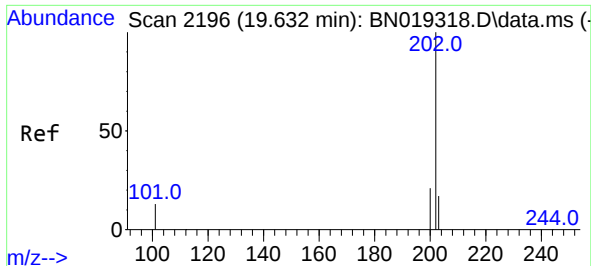
Reviewed By :Christian Giraldo 04/12/2022
Supervised By :Jagrut Upadhyay 04/13/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.387 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

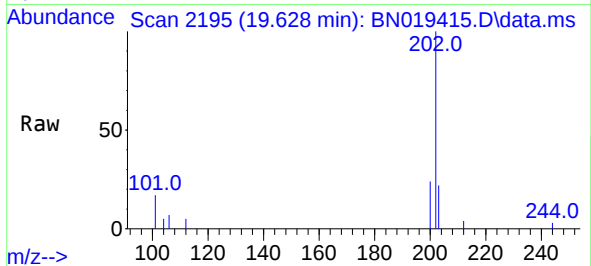
Tgt Ion:240 Resp: 10716
Ion Ratio Lower Upper
240 100
120 19.5 8.5 12.7#
236 30.3 22.4 33.6





#30
Pyrene
Concen: 0.093 ng
RT: 19.628 min Scan# 2196
Delta R.T. -0.004 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

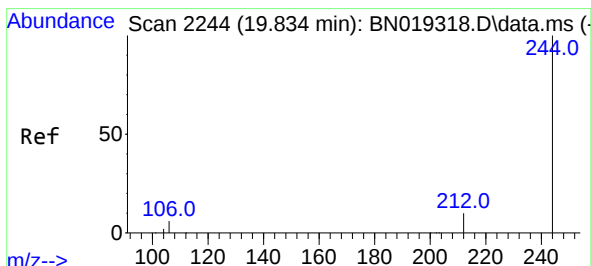
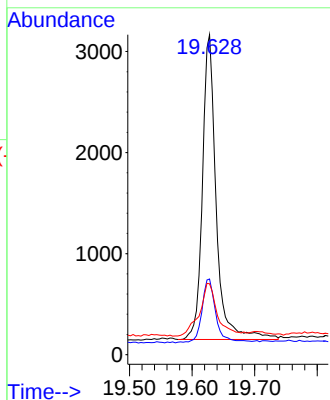
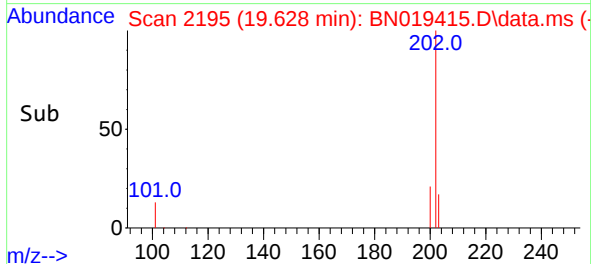
Instrument :
BNA_N
ClientSampleId :
DUP040522



Tgt Ion:202 Resp: 4610
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 22.3 14.2 21.2

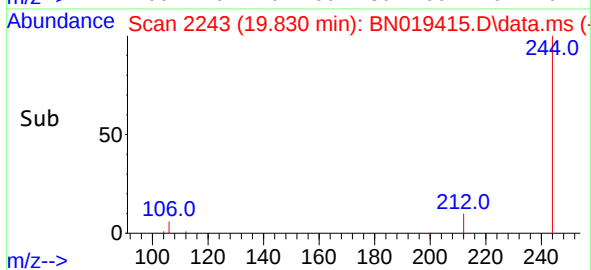
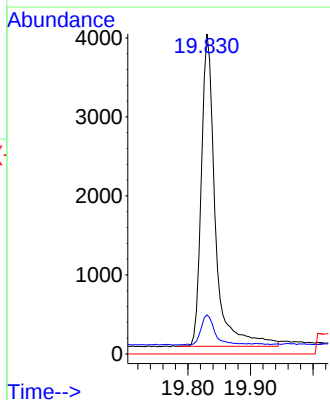
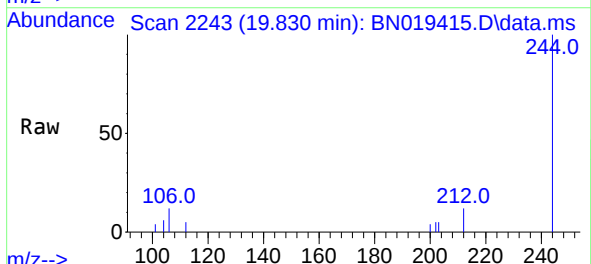
Manual Integrations
APPROVED

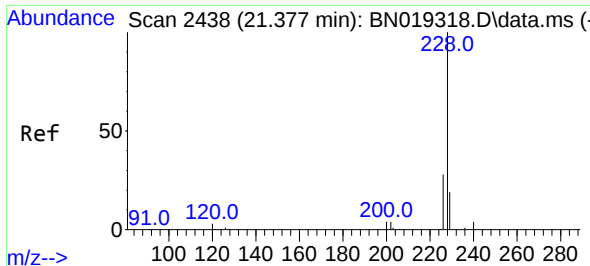
Reviewed By :Christian Giraldo 04/12/2022
Supervised By :Jagrut Upadhyay 04/13/2022



#31
Terphenyl-d14
Concen: 0.263 ng
RT: 19.830 min Scan# 2243
Delta R.T. -0.004 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

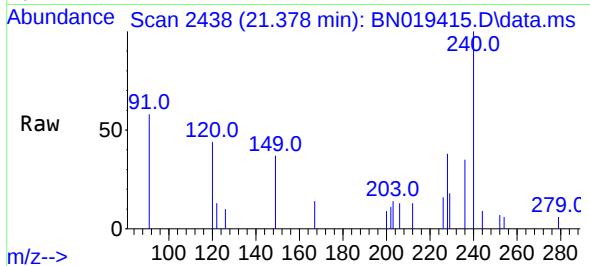
Tgt Ion:244 Resp: 6135
Ion Ratio Lower Upper
244 100
212 12.2 8.2 12.4
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 0.039 ng
RT: 21.378 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

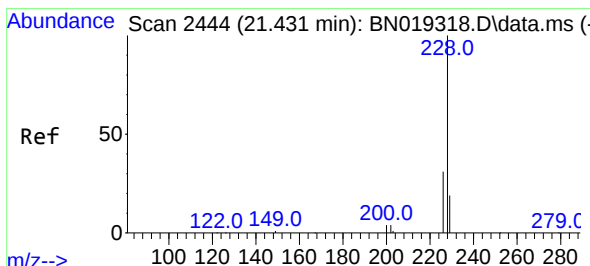
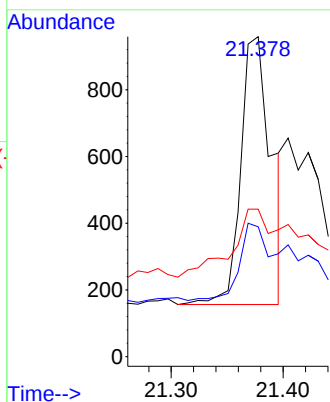
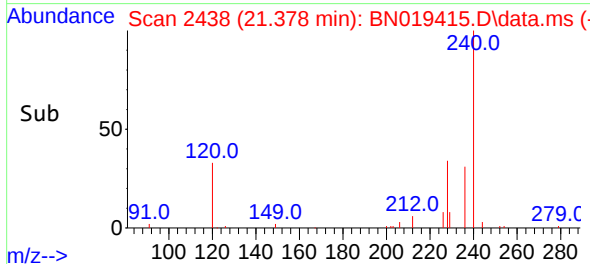
Instrument :
BNA_N
ClientSampleId :
DUP040522



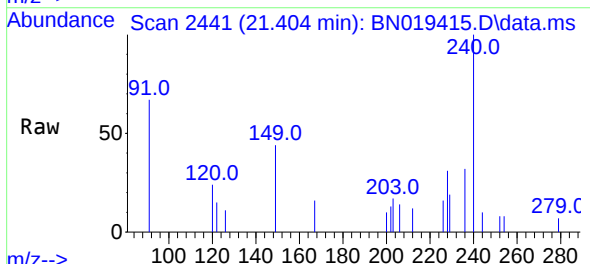
Tgt Ion:228 Resp: 153
Ion Ratio Lower Upper
228 100
226 40.6 21.9 32.9
229 46.1 16.0 24.0

Manual Integrations
APPROVED

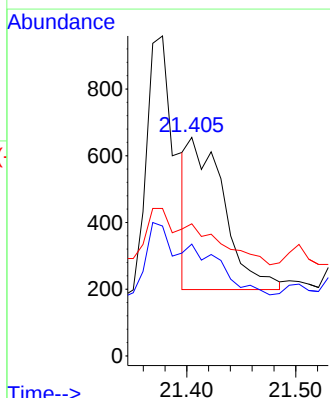
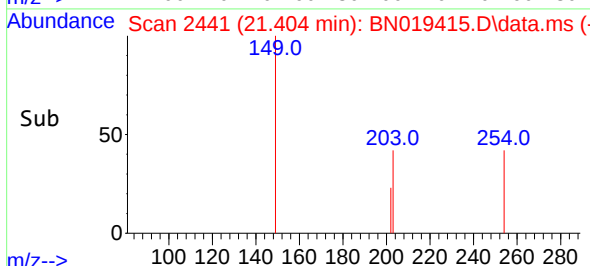
Reviewed By :Christian Giraldo 04/12/2022
Supervised By :Jagrut Upadhyay 04/13/2022

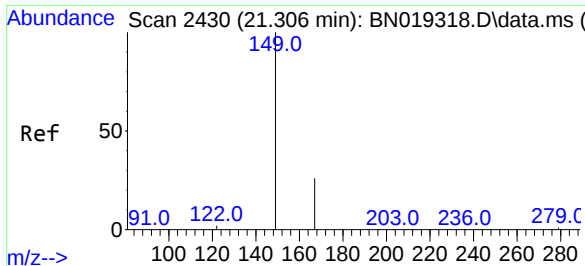


#33
Chrysene
Concen: 0.024 ng m
RT: 21.404 min Scan# 2441
Delta R.T. -0.027 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47



Tgt Ion:228 Resp: 1051
Ion Ratio Lower Upper
228 100
226 51.1 24.0 36.0#
229 60.5 15.9 23.9#





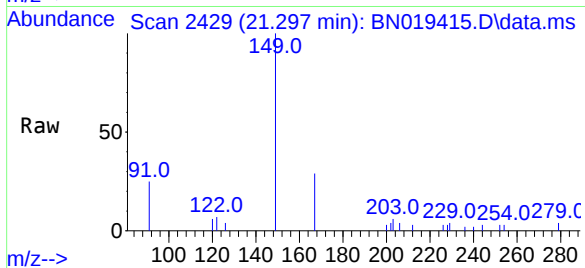
#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.195 ng
 RT: 21.297 min Scan# 2430
 Delta R.T. -0.009 min
 Lab File: BN019415.D
 Acq: 11 Apr 2022 16:47

Instrument :

BNA_N

ClientSampleId :

DUP040522

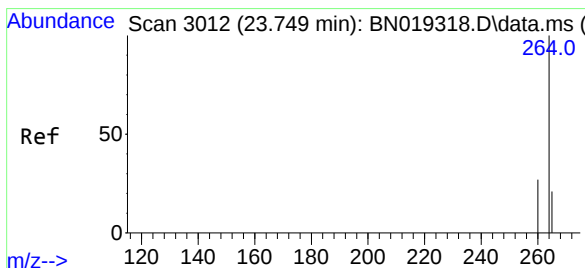
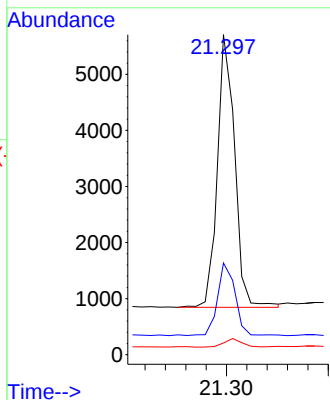
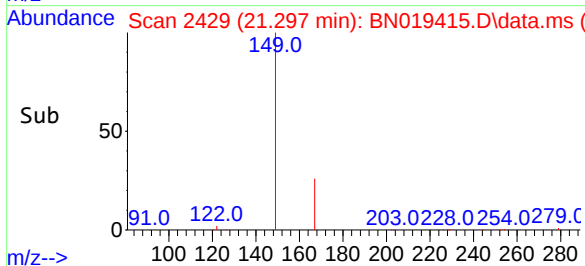


Tgt Ion:149 Resp: 5732
 Ion Ratio Lower Upper
 149 100
 167 27.2 21.8 32.8
 279 3.3 2.0 3.0

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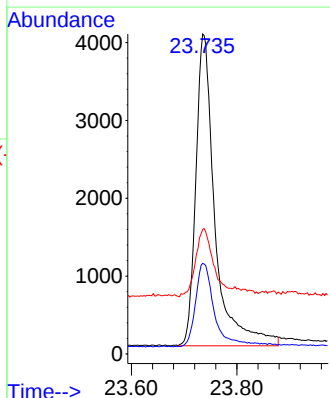
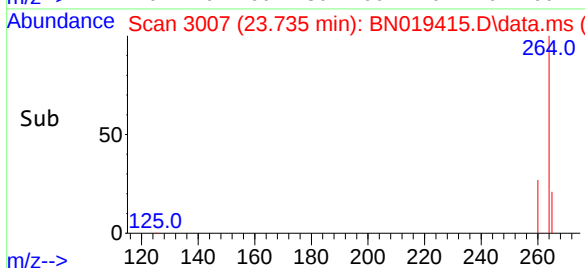
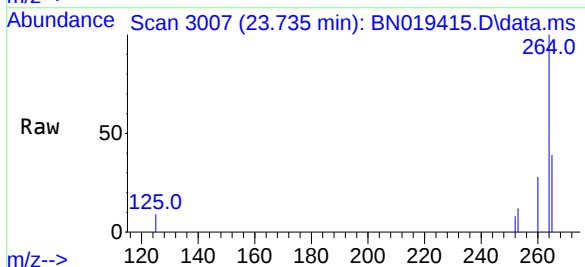
APPROVED

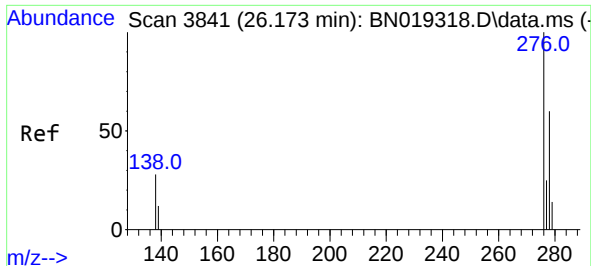
Reviewed By :Christian Giraldo 04/12/2022
 Supervised By :Jagrut Upadhyay 04/13/2022



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.735 min Scan# 3007
 Delta R.T. -0.014 min
 Lab File: BN019415.D
 Acq: 11 Apr 2022 16:47

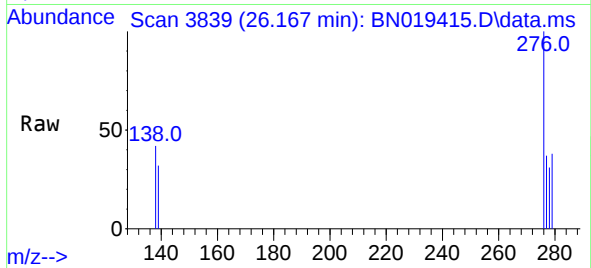
Tgt Ion:264 Resp: 10098
 Ion Ratio Lower Upper
 264 100
 260 28.3 22.4 33.6
 265 38.9 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.045 ng
RT: 26.167 min Scan# 3841
Delta R.T. -0.006 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

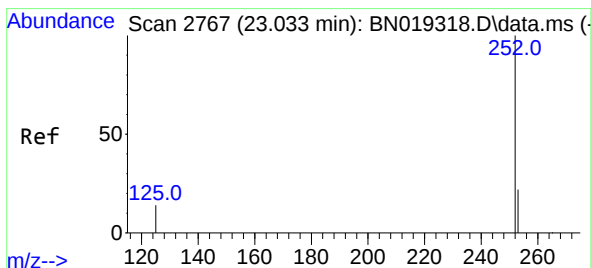
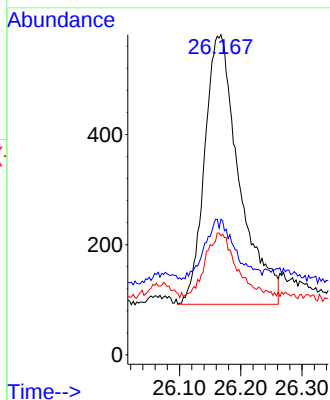
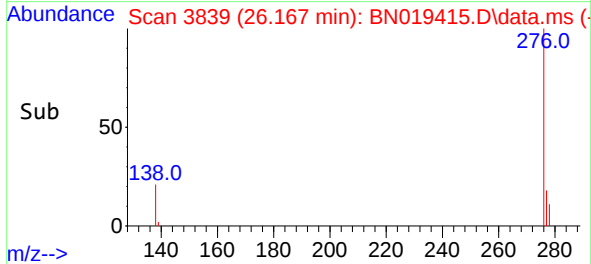
Instrument :
BNA_N
ClientSampleId :
DUP040522



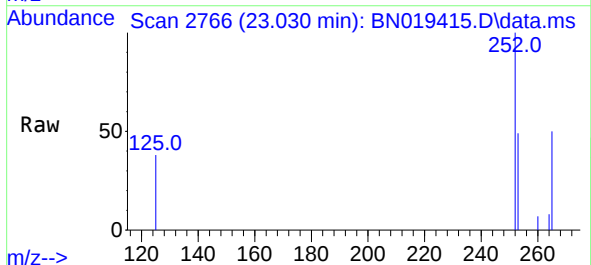
Tgt Ion:276 Resp: 1918
Ion Ratio Lower Upper
276 100
138 9.4 24.5 36.7
277 20.1 19.8 29.8

Manual Integrations
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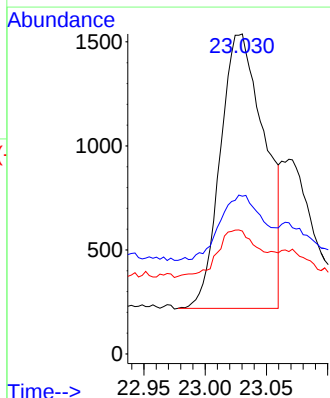
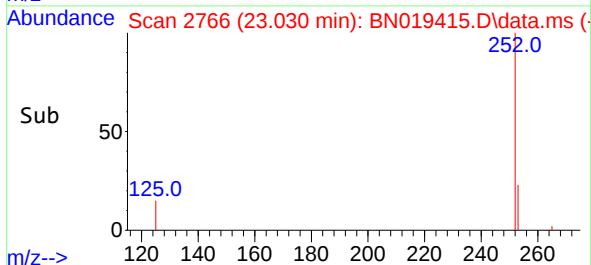
Reviewed By :Christian Giraldo 04/12/2022
Supervised By :Jagrut Upadhyay 04/13/2022

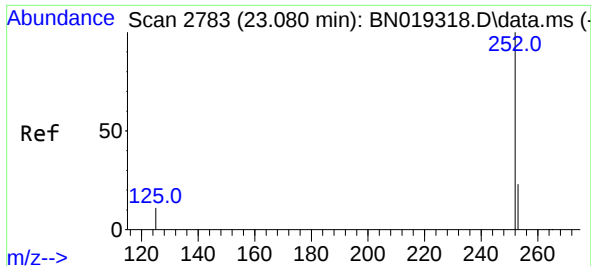


#37
Benzo(b)fluoranthene
Concen: 0.084 ng
RT: 23.030 min Scan# 2766
Delta R.T. -0.003 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47



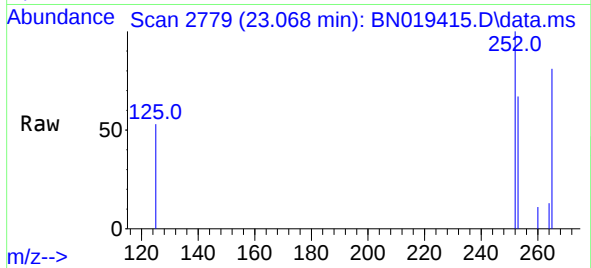
Tgt Ion:252 Resp: 3316
Ion Ratio Lower Upper
252 100
253 49.3 18.9 28.3#
125 38.4 12.1 18.1#





#38
Benzo(k)fluoranthene
Concen: 0.031 ng m
RT: 23.068 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

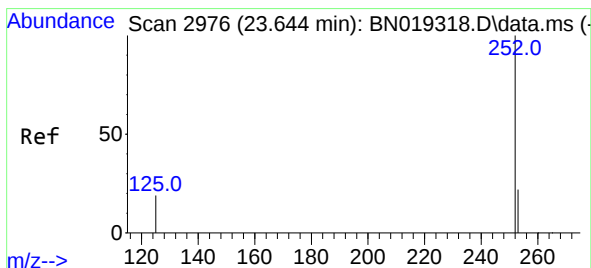
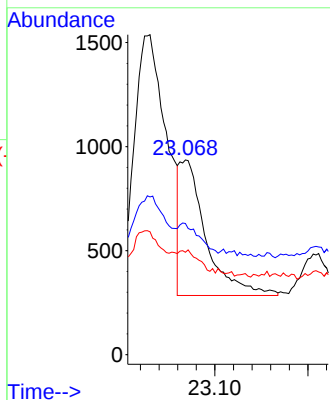
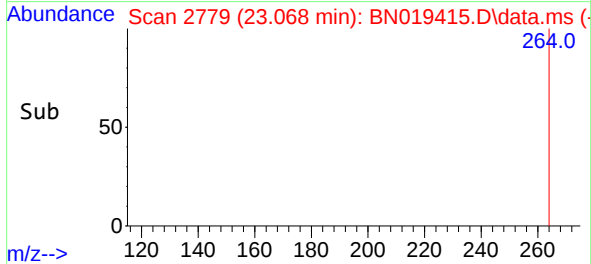
Instrument :
BNA_N
ClientSampleId :
DUP040522



Tgt Ion:252 Resp: 1280
Ion Ratio Lower Upper
252 100
253 67.4 18.9 28.3#
125 52.6 10.3 15.5#

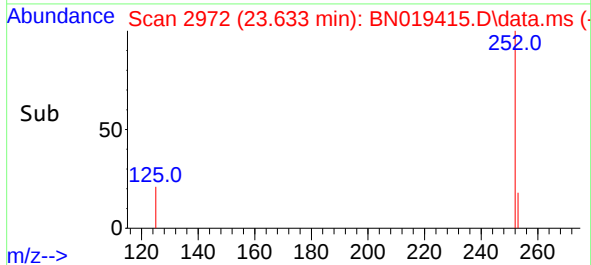
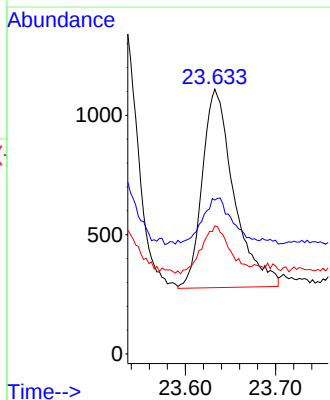
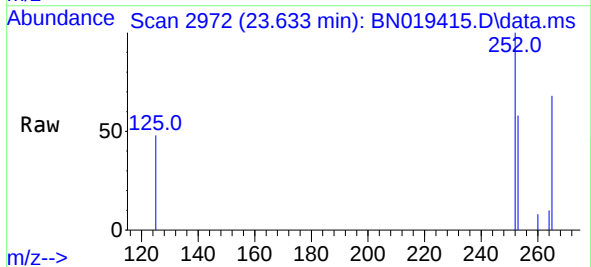
Manual Integrations
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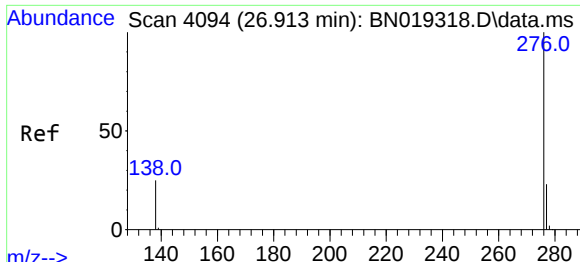
Reviewed By :Christian Giraldo 04/12/2022
Supervised By :Jagrut Upadhyay 04/13/2022



#39
Benzo(a)pyrene
Concen: 0.057 ng
RT: 23.633 min Scan# 2972
Delta R.T. -0.012 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

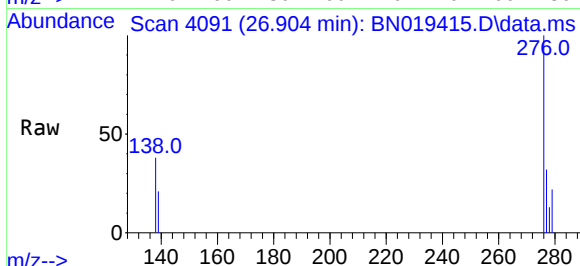
Tgt Ion:252 Resp: 2027
Ion Ratio Lower Upper
252 100
253 58.1 20.1 30.1#
125 48.4 15.2 22.8#





#41
Benzo(g,h,i)perylene
Concen: 0.066 ng
RT: 26.904 min Scan# 4091
Delta R.T. -0.009 min
Lab File: BN019415.D
Acq: 11 Apr 2022 16:47

Instrument :
BNA_N
ClientSampleId :
DUP040522



Tgt Ion: 276 Resp: 258
Ion Ratio Lower Upper
276 100
277 32.2 19.4 29.0
138 37.6 21.0 31.6

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 04/12/2022
Supervised By : Jagrut Upadhyay 04/13/2022

