

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019364.D
 Acq On : 05 Apr 2022 23:40
 Operator : CG/JU
 Sample : N2237-07DL2 50X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A01040DL2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/08/2022
 Supervised By : Jagrut Upadhyay 04/08/2022

Quant Time: Apr 06 02:32:33 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	7.833	152	4049	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	12812	0.400	ng	# 0.01
13) Acenaphthene-d10	14.463	164	8819	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	19075	0.400	ng	# 0.00
29) Chrysene-d12	21.386	240	18498	0.400	ng	# 0.00
35) Perylene-d12	23.735	264	14989	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	30	0.003	ng	0.00
5) Phenol-d6	7.017	99	11	0.001	ng	0.03
8) Nitrobenzene-d5	9.025	82	22	0.002	ng	0.04
11) 2-Methylnaphthalene-d10	12.238	152	27	0.001	ng	0.02
14) 2,4,6-Tribromophenol	15.954	330	13	0.002	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	83	0.002	ng	0.01
27) Fluoranthene-d10	19.236	212	83	0.001	ng	0.00
31) Terphenyl-d14	19.826	244	278	0.007	ng	0.00
Target Compounds						
9) Naphthalene	10.680	128	1297	0.034	ng	# 76
16) Acenaphthylene	14.185	152	7629	0.174	ng	100
17) Acenaphthene	14.527	154	2452	0.084	ng	99
18) Fluorene	15.511	166	4788	0.125	ng	95
25) Phenanthrene	17.246	178	118353	1.849	ng	100
26) Anthracene	17.338	178	26632	0.473	ng	# 96
28) Fluoranthene	19.265	202	291641	3.842	ng	100
30) Pyrene	19.624	202	250419	2.910	ng	# 95
32) Benzo(a)anthracene	21.369	228	139571	2.042	ng	99
33) Chrysene	21.422	228	121912	1.605	ng	98
34) Bis(2-ethylhexyl)phtha...	21.297	149	1161	0.023	ng	# 77
36) Indeno(1,2,3-cd)pyrene	26.156	276	41557	0.662	ng	# 89
37) Benzo(b)fluoranthene	23.024	252	135206	2.302	ng	97
38) Benzo(k)fluoranthene	23.065	252	46533m	0.758	ng	
39) Benzo(a)pyrene	23.630	252	85991m	1.629	ng	
40) Dibenzo(a,h)anthracene	26.164	278	9760	0.201	ng	# 84
41) Benzo(g,h,i)perylene	26.901	276	41667	0.716	ng	98

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

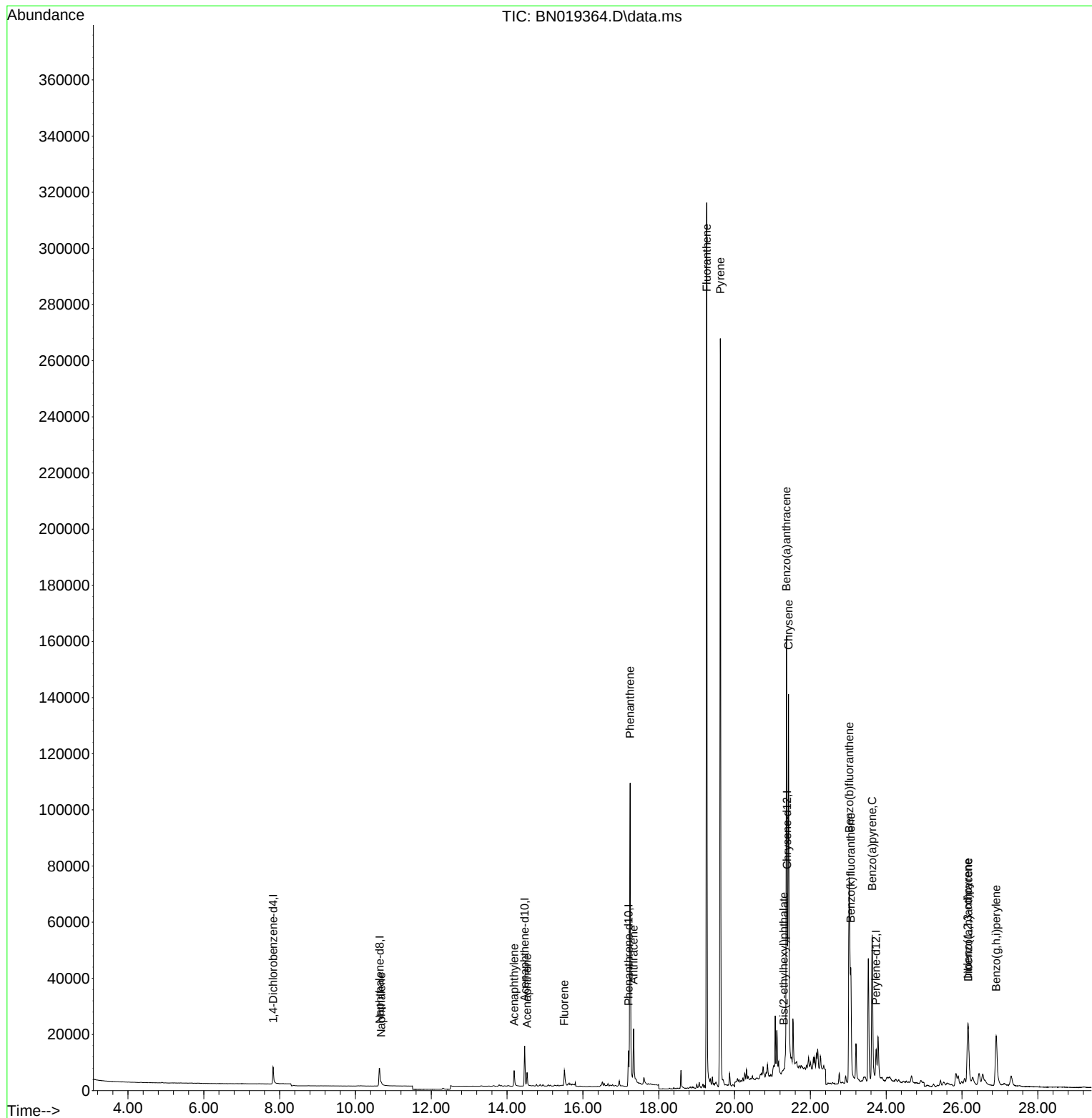
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
Data File : BN019364.D
Acq On : 05 Apr 2022 23:40
Operator : CG/JU
Sample : N2237-07DL2 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

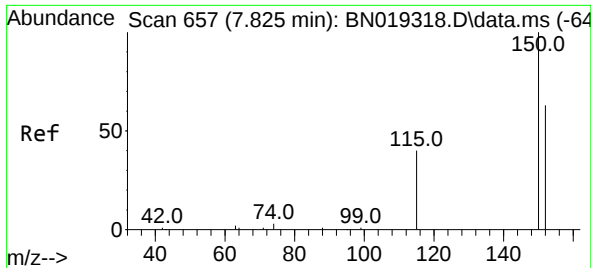
Instrument :
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A01040DL2

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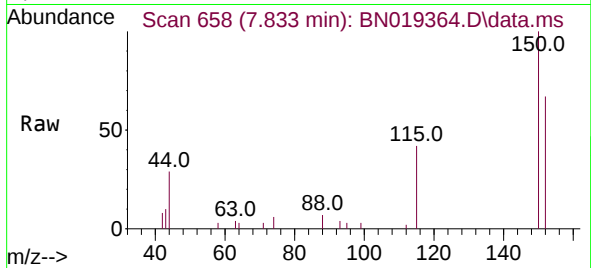
Quant Time: Apr 06 02:32:33 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 657
Delta R.T. 0.008 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

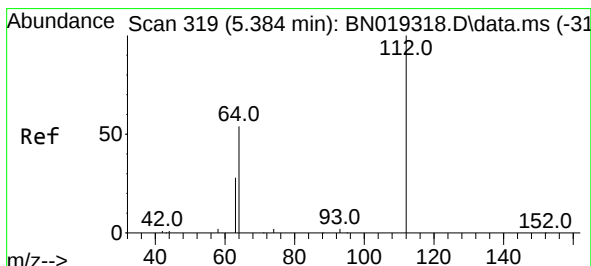
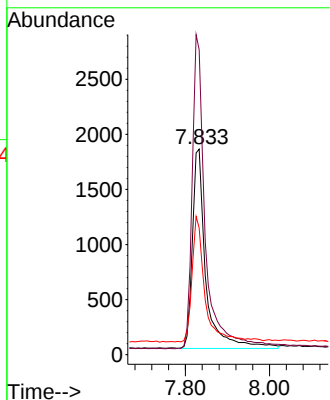
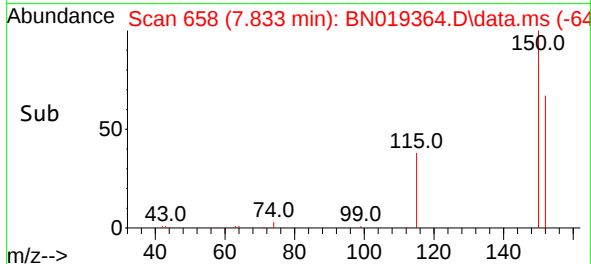
Instrument :
BNA_N
ClientSampleId :
A01040DL2



Tgt Ion:152 Resp: 4049
Ion Ratio Lower Upper
152 100
150 148.3 123.9 185.9
115 61.6 48.2 72.4

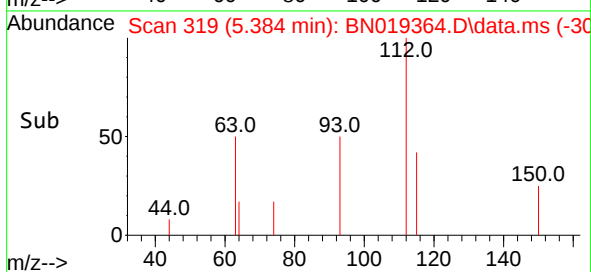
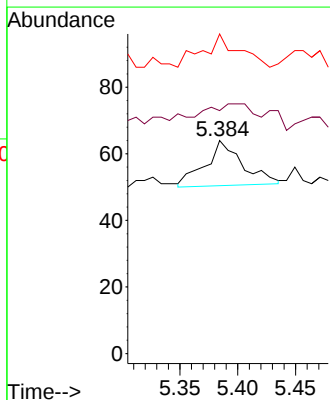
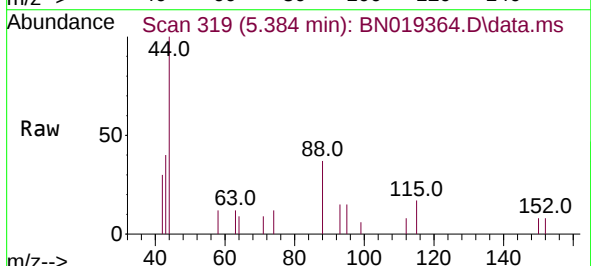
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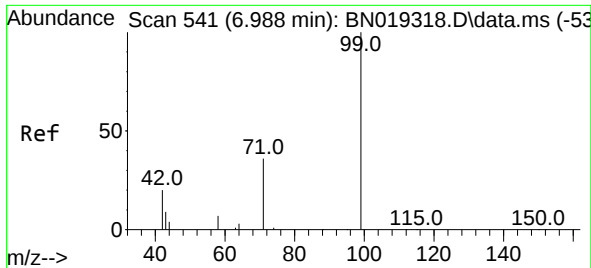
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#4
2-Fluorophenol
Concen: 0.003 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:112 Resp: 30
Ion Ratio Lower Upper
112 100
64 70.0 47.8 71.8
63 70.0 25.7 38.5





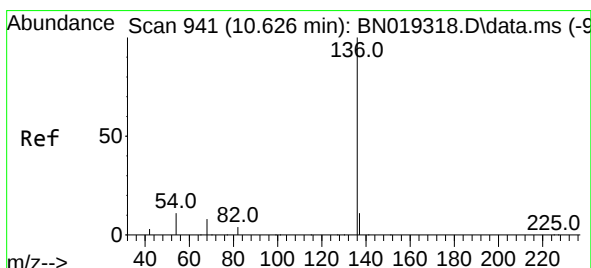
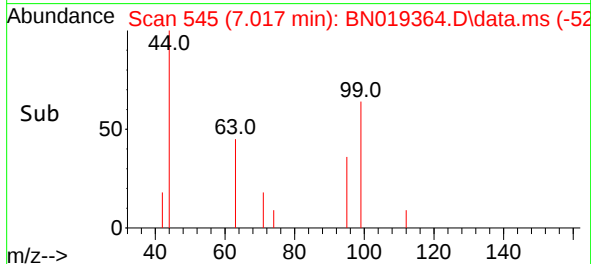
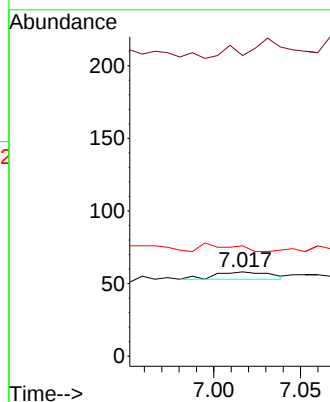
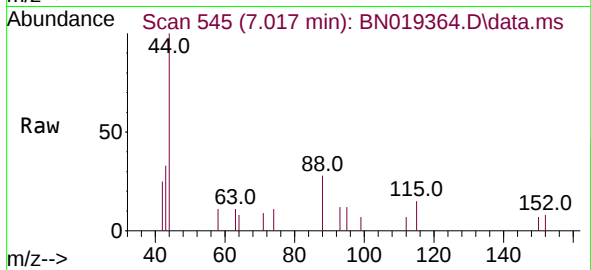
#5
Phenol-d6
Concen: 0.001 ng
RT: 7.017 min Scan# 541
Delta R.T. 0.029 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Instrument :
BNA_N
ClientSampleId :
A01040DL2

Tgt Ion: 99 Resp: 1
Ion Ratio Lower Upper
99 100
42 209.1 16.2 24.4
71 0.0 27.7 41.5

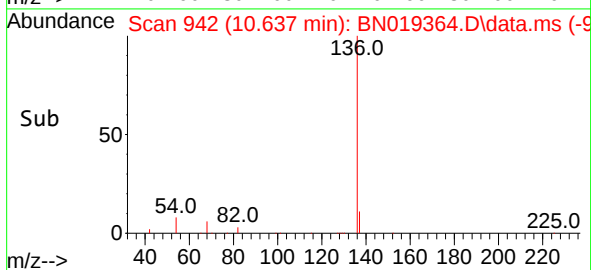
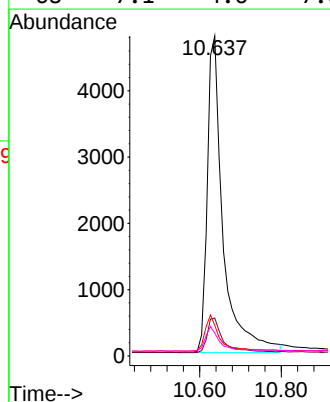
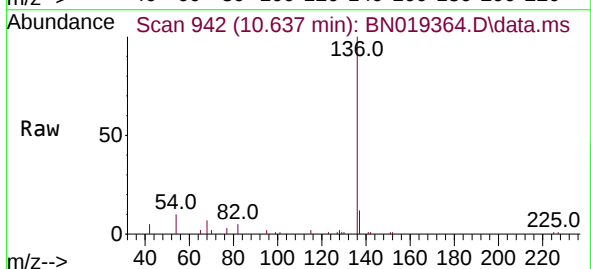
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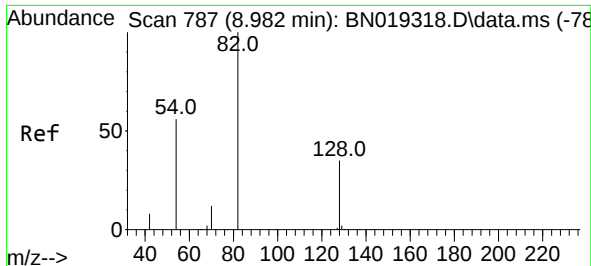
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. 0.011 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

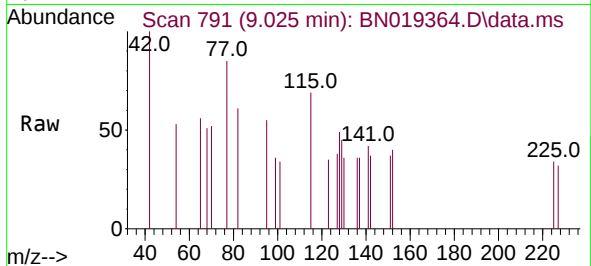
Tgt Ion:136 Resp: 12812
Ion Ratio Lower Upper
136 100
137 11.9 9.0 13.4
54 9.6 5.8 8.6#
68 7.1 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.002 ng
RT: 9.025 min Scan# 791
Delta R.T. 0.043 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

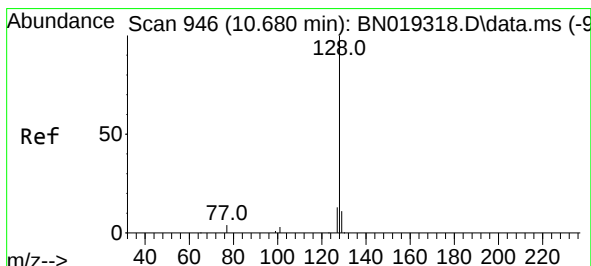
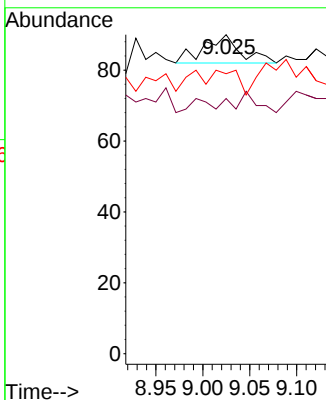
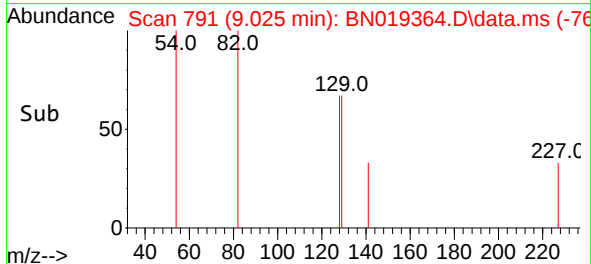
Instrument :
BNA_N
ClientSampleId :
A01040DL2



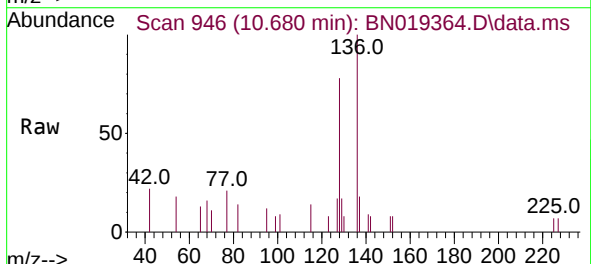
Tgt Ion: 82 Resp: 22
Ion Ratio Lower Upper
82 100
128 80.0 33.0 49.6
54 87.8 42.5 63.7

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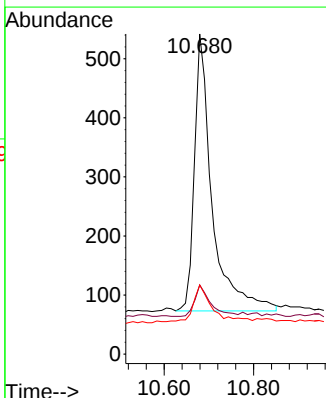
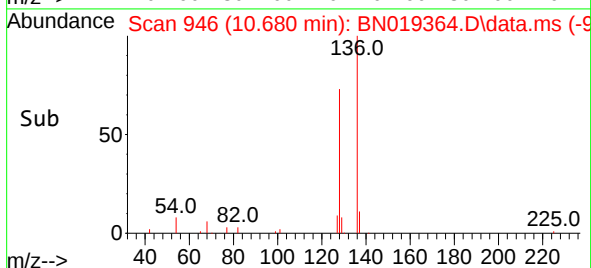
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

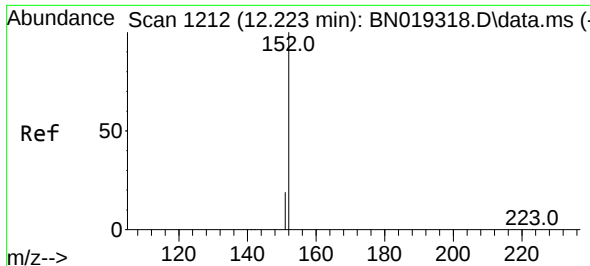


#9
Naphthalene
Concen: 0.034 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40



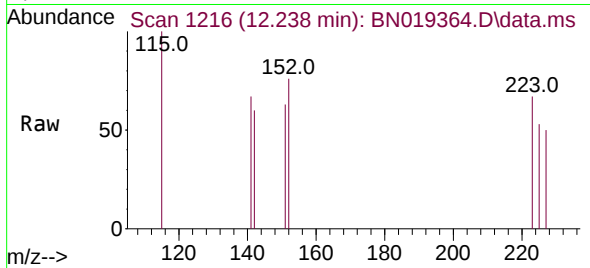
Tgt Ion:128 Resp: 1297
Ion Ratio Lower Upper
128 100
129 21.6 9.0 13.4#
127 21.6 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.001 ng
RT: 12.238 min Scan# 11
Delta R.T. 0.015 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

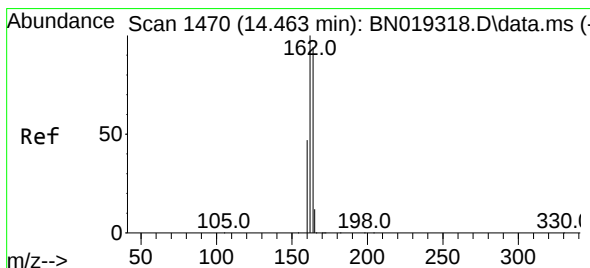
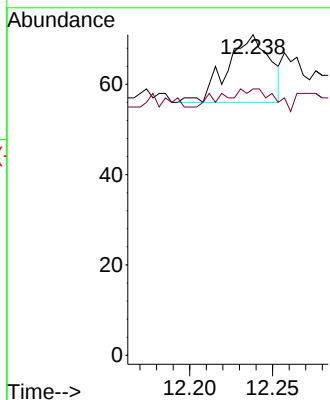
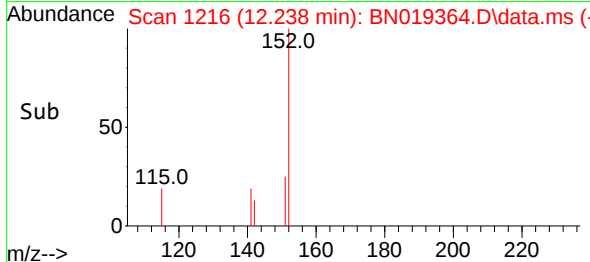
Instrument :
BNA_N
ClientSampleId :
A01040DL2



Tgt Ion:152 Resp: 21
Ion Ratio Lower Upper
152 100
151 25.9 16.5 24.7

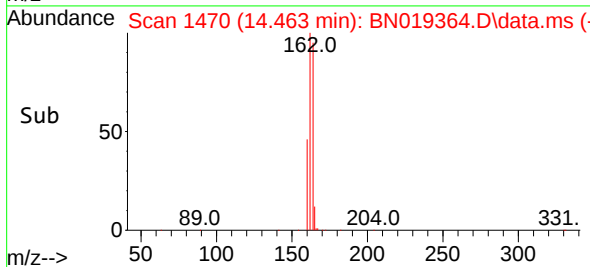
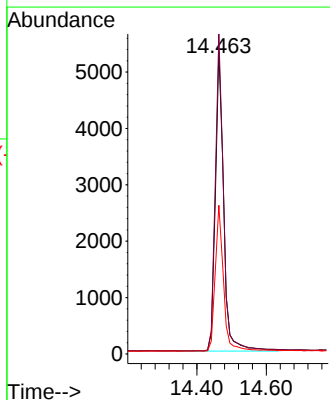
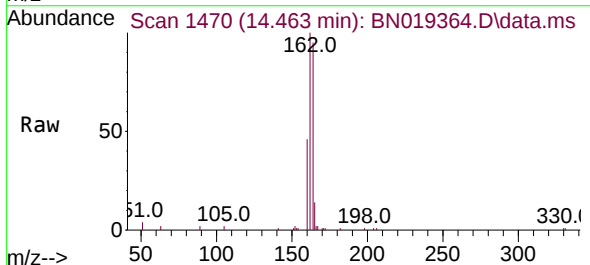
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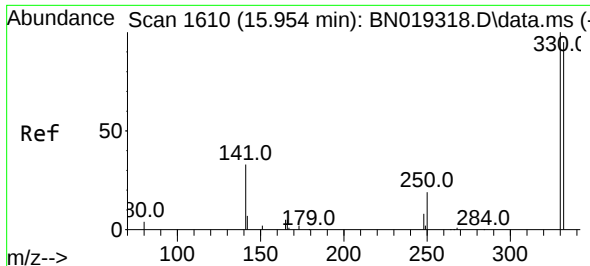
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:164 Resp: 8819
Ion Ratio Lower Upper
164 100
162 105.8 85.2 127.8
160 49.1 41.5 62.3





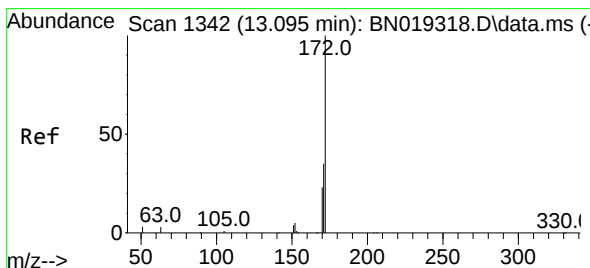
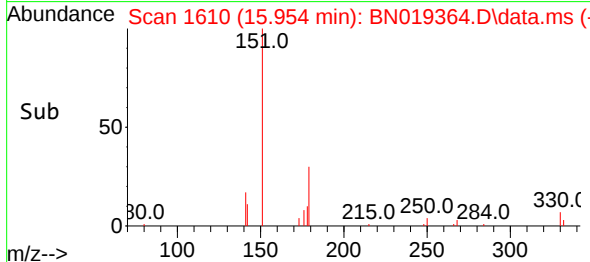
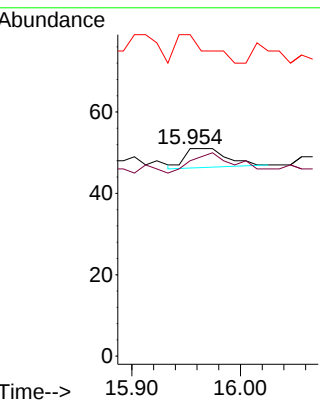
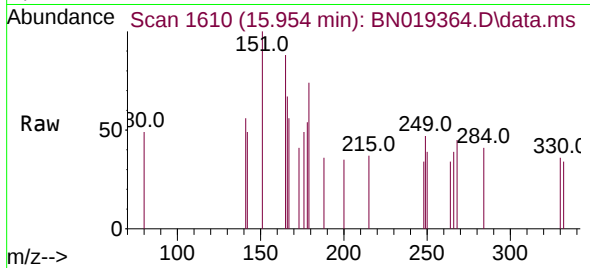
#14
2,4,6-Tribromophenol
Concen: 0.002 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Instrument :
BNA_N
ClientSampleId :
A01040DL2

Tgt Ion: 330 Resp: 100
Ion Ratio Lower Upper
330 100
332 0.0 76.8 115.2#
141 107.7 32.2 48.2#

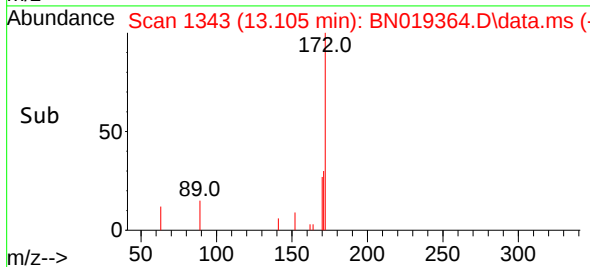
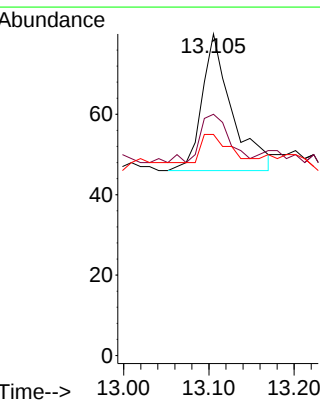
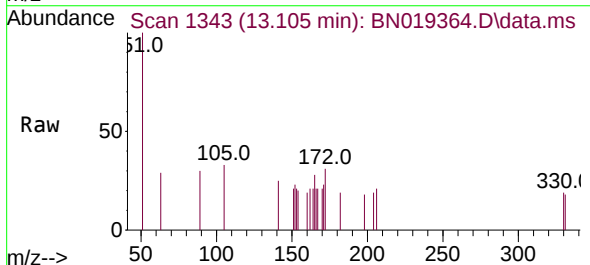
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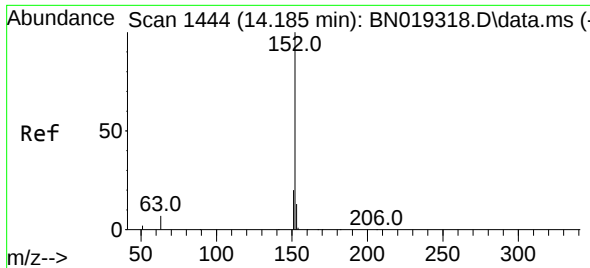
Reviewed By : Christian Giraldo 04/08/2022
Supervised By : Jagrut Upadhyay 04/08/2022



#15
2-Fluorobiphenyl
Concen: 0.002 ng
RT: 13.105 min Scan# 1343
Delta R.T. 0.011 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

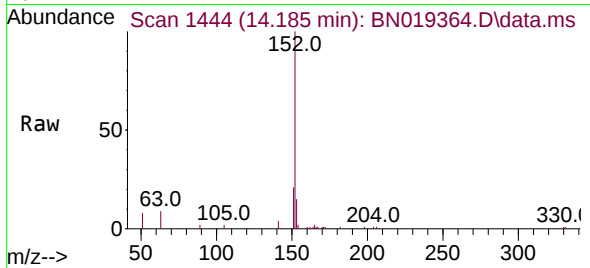
Tgt Ion: 172 Resp: 83
Ion Ratio Lower Upper
172 100
171 75.0 28.2 42.2#
170 68.8 18.7 28.1#





#16
Acenaphthylene
Concen: 0.174 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

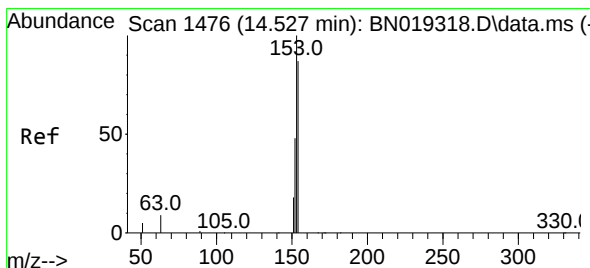
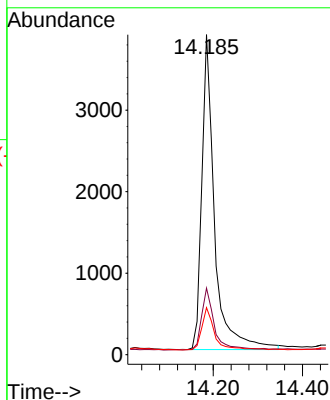
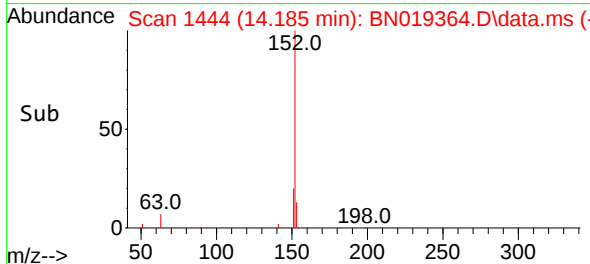
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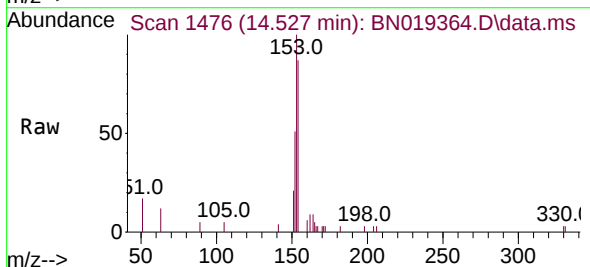
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Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.3 10.6 15.8

Manual Integrations
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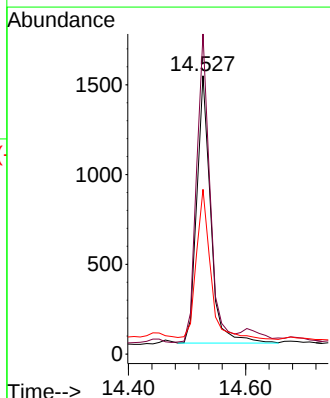
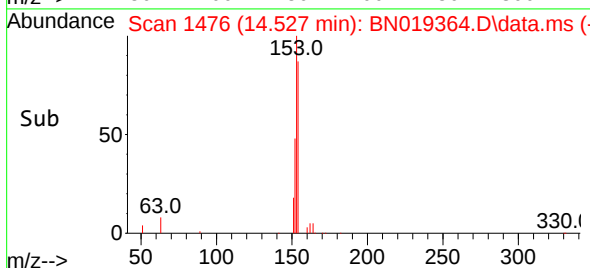
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

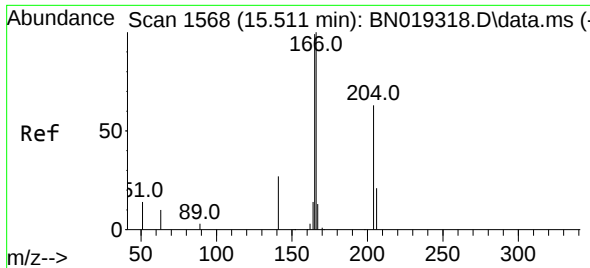


#17
Acenaphthene
Concen: 0.084 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40



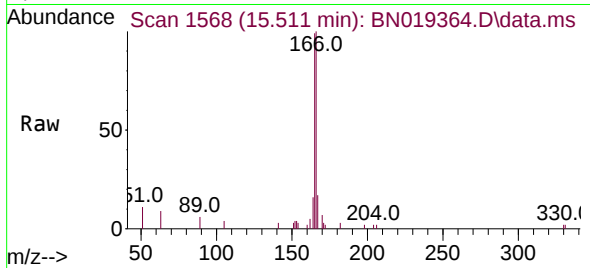
Tgt Ion:154 Resp: 2452
Ion Ratio Lower Upper
154 100
153 112.0 89.7 134.5
152 57.8 44.7 67.1





#18
Fluorene
Concen: 0.125 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

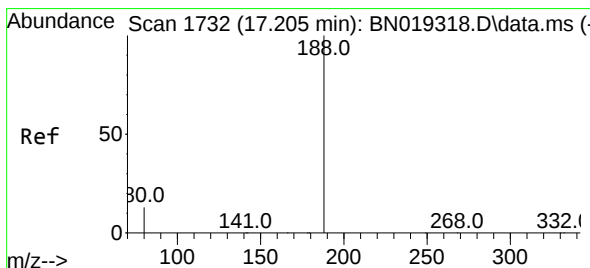
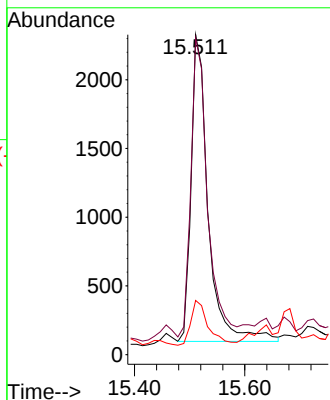
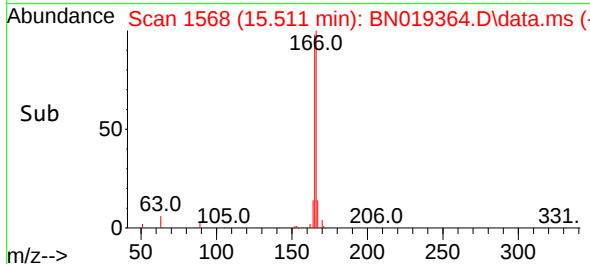
Instrument :
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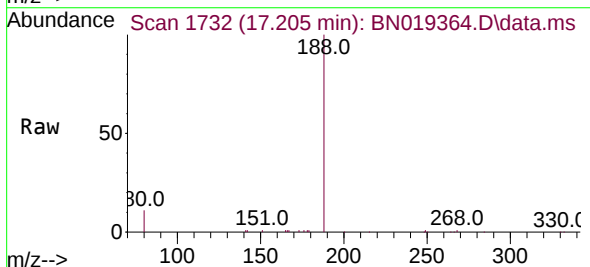
Tgt Ion:166 Resp: 478
Ion Ratio Lower Upper
166 100
165 94.3 79.2 118.8
167 15.1 10.7 16.1

Manual Integrations
APPROVED

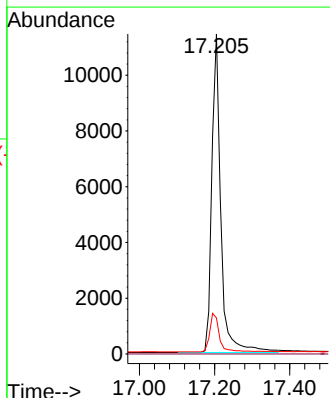
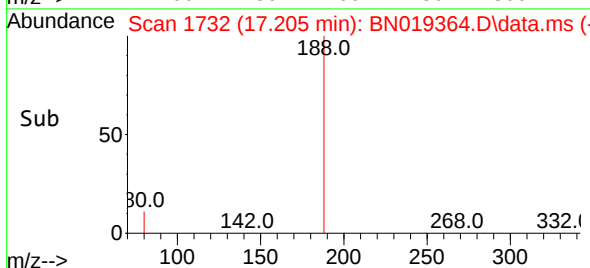
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

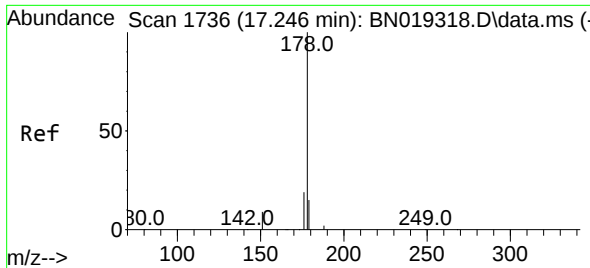


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40



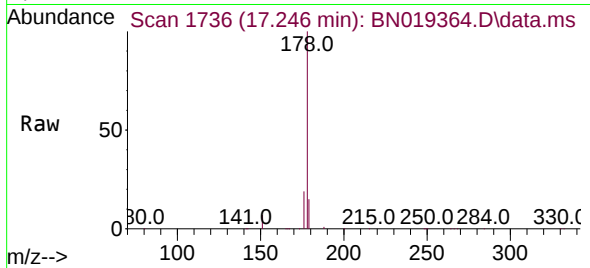
Tgt Ion:188 Resp: 19075
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.2 11.8 17.8#





#25
Phenanthrene
Concen: 1.849 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

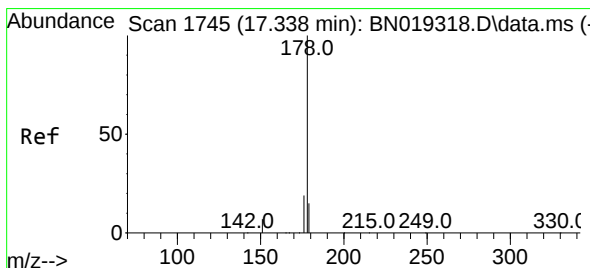
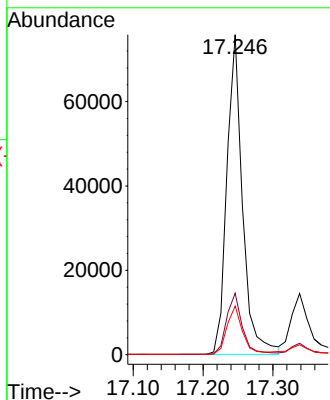
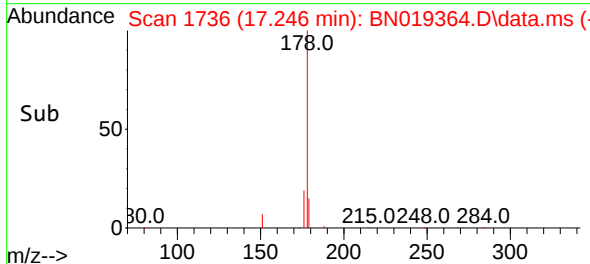
Instrument :
BNA_N
ClientSampleId :
A01040DL2



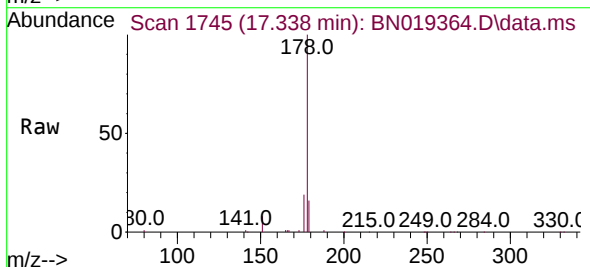
Tgt Ion:178 Resp: 11835
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 14.9 12.2 18.2

Manual Integrations
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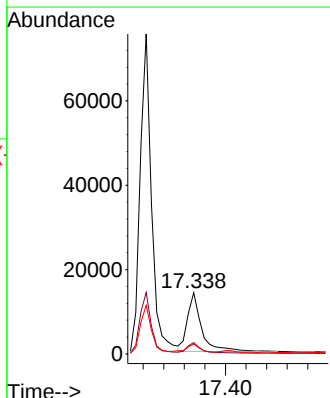
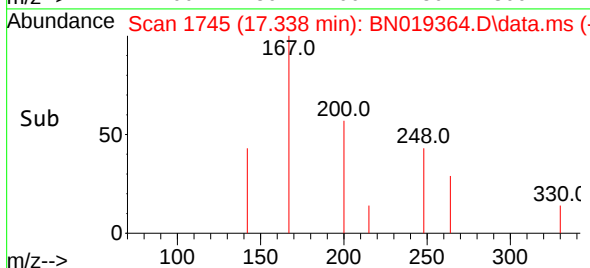
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

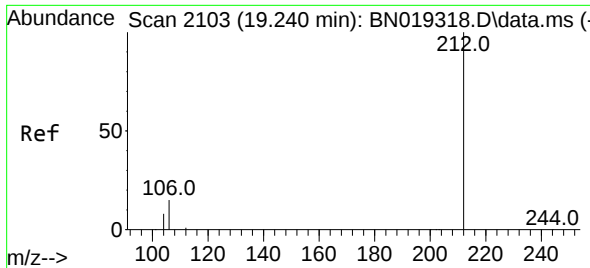


#26
Anthracene
Concen: 0.473 ng
RT: 17.338 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40



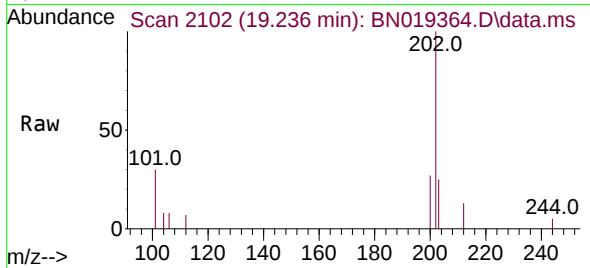
Tgt Ion:178 Resp: 26632
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 12.0 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.001 ng
RT: 19.236 min Scan# 2102
Delta R.T. -0.004 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

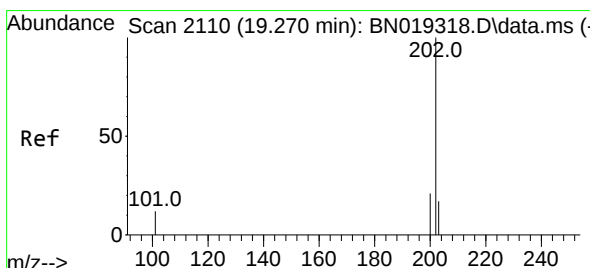
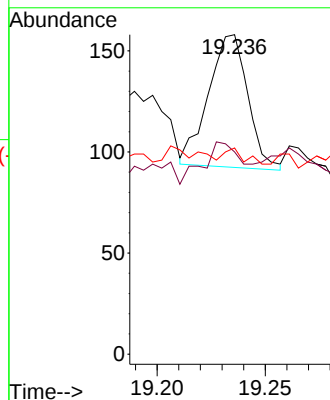
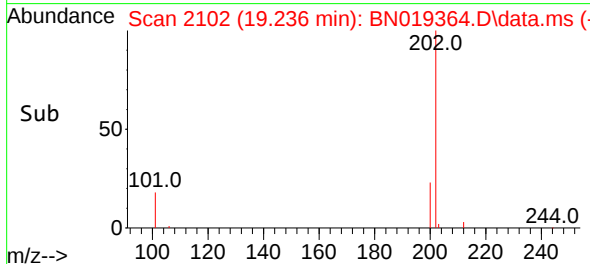
Instrument :
BNA_N
ClientSampleId :
A01040DL2



Tgt Ion:212 Resp: 81
Ion Ratio Lower Upper
212 100
106 31.3 12.7 19.1
104 8.4 7.1 10.7

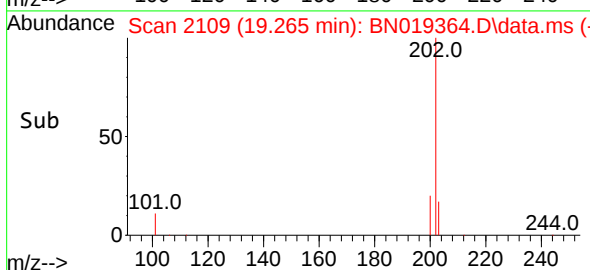
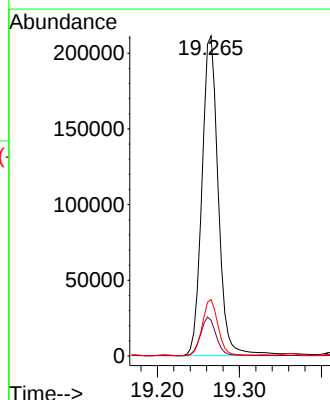
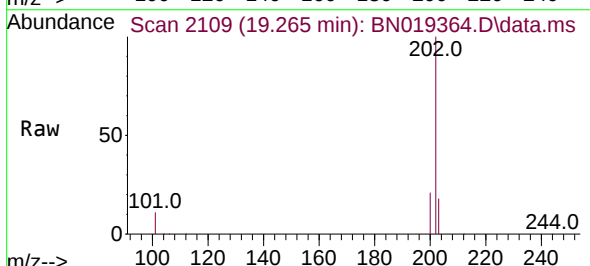
Manual Integrations
APPROVED

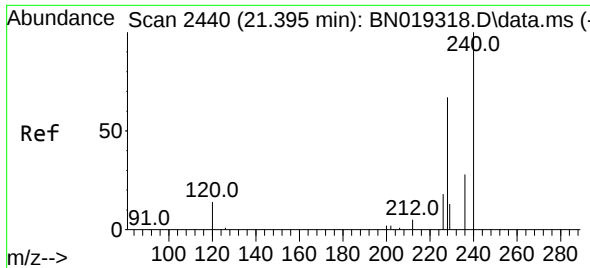
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#28
Fluoranthene
Concen: 3.842 ng
RT: 19.265 min Scan# 2109
Delta R.T. -0.004 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

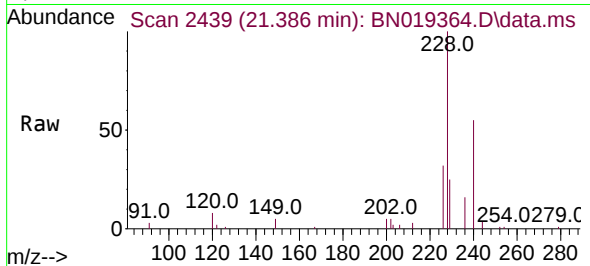
Tgt Ion:202 Resp: 291641
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 17.1 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2440
Delta R.T. -0.009 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

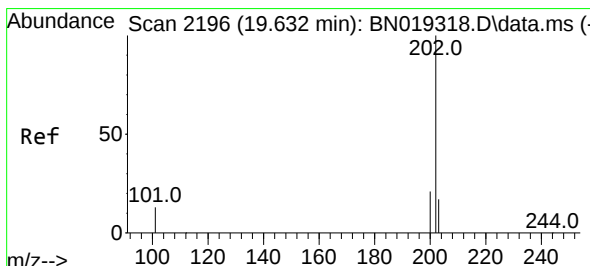
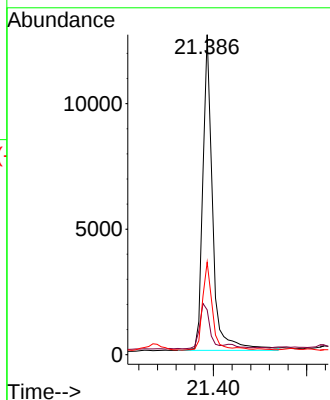
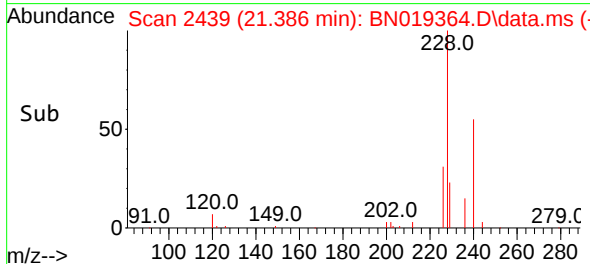
Instrument :
BNA_N
ClientSampleId :
A01040DL2



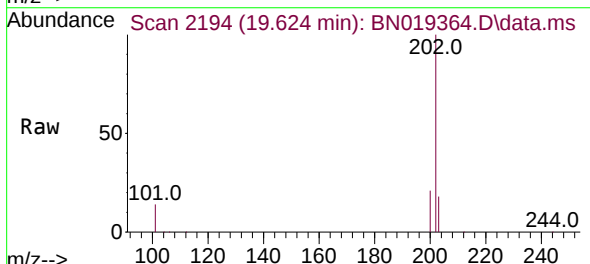
Tgt Ion:240 Resp: 18498
Ion Ratio Lower Upper
240 100
120 14.0 8.5 12.7
236 28.9 22.4 33.6

Manual Integrations
APPROVED

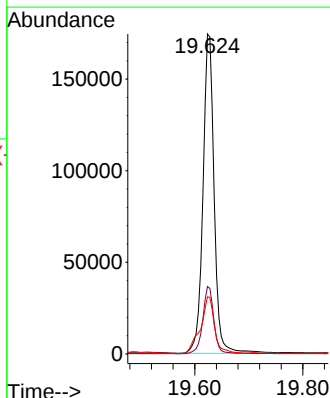
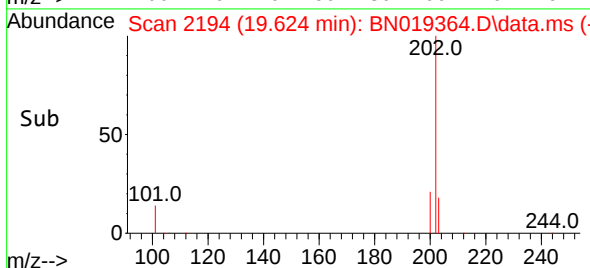
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

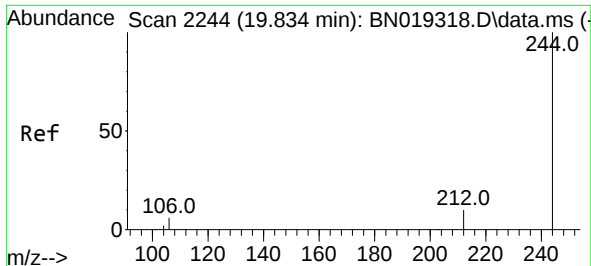


#30
Pyrene
Concen: 2.910 ng
RT: 19.624 min Scan# 2194
Delta R.T. -0.008 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40



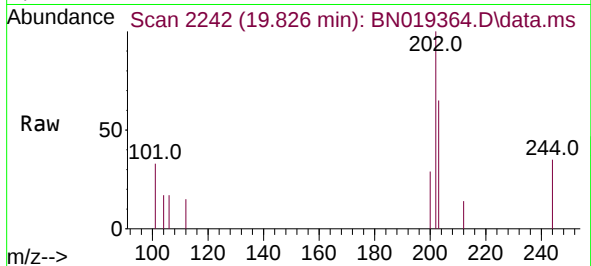
Tgt Ion:202 Resp: 250419
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 22.1 14.2 21.2





#31
Terphenyl-d14
Concen: 0.007 ng
RT: 19.826 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

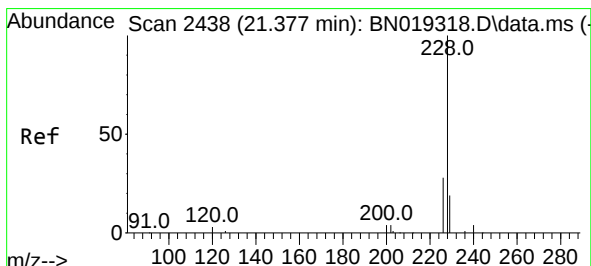
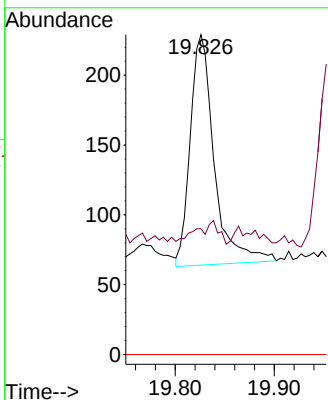
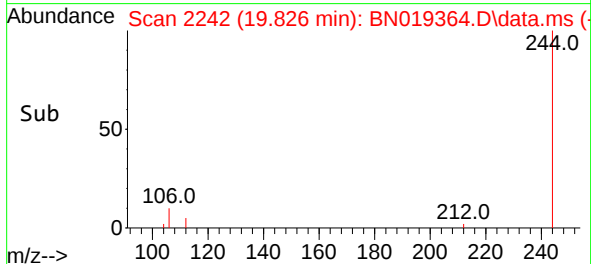
Instrument :
BNA_N
ClientSampleId :
A01040DL2



Tgt Ion:244 Resp: 278
Ion Ratio Lower Upper
244 100
212 39.3 8.2 12.4
122 0.0 0.0 0.0

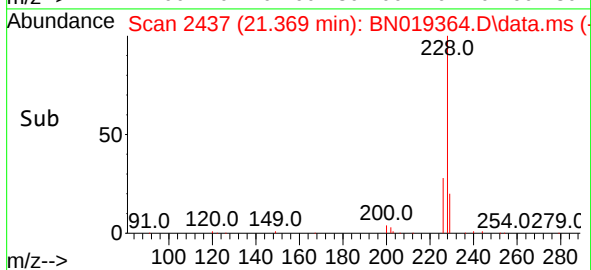
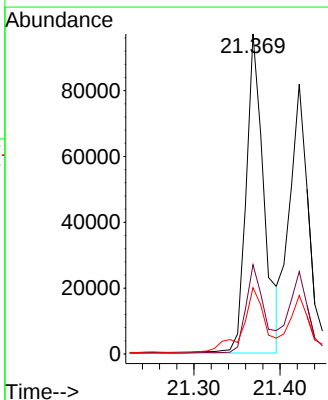
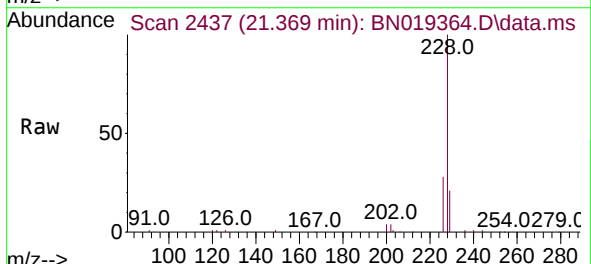
Manual Integrations
APPROVED

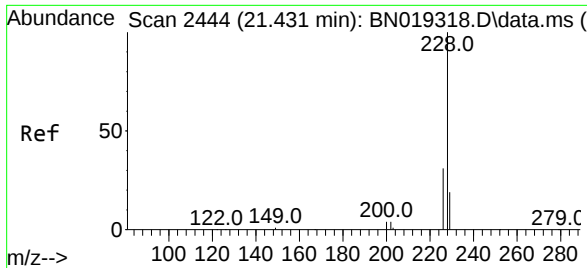
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#32
Benzo(a)anthracene
Concen: 2.042 ng
RT: 21.369 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

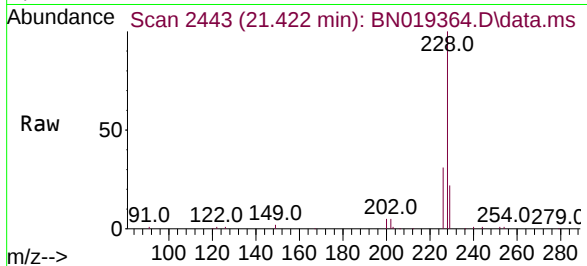
Tgt Ion:228 Resp: 139571
Ion Ratio Lower Upper
228 100
226 27.9 21.9 32.9
229 20.7 16.0 24.0





#33
Chrysene
Concen: 1.605 ng
RT: 21.422 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

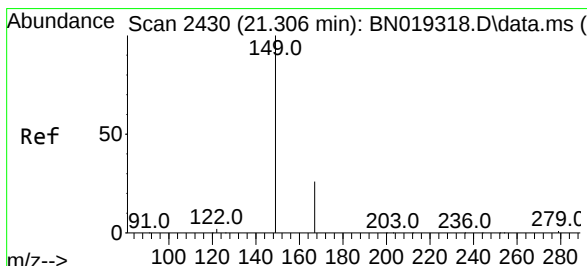
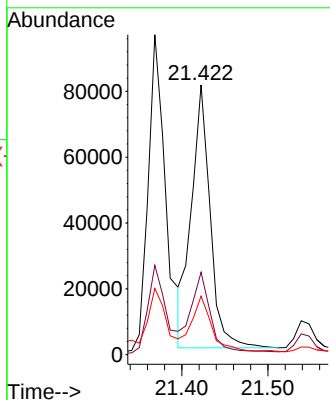
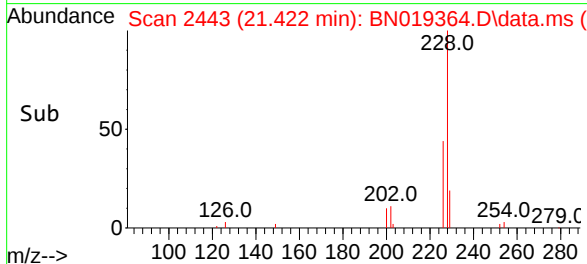
Instrument :
BNA_N
ClientSampleId :
A01040DL2



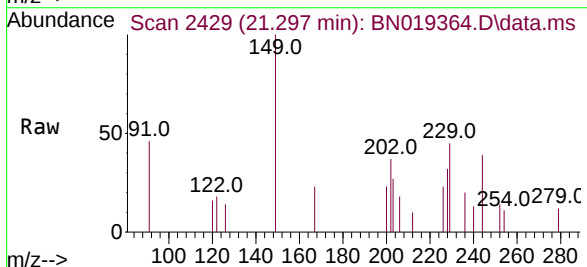
Tgt Ion: 228 Resp: 12191
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 21.7 15.9 23.9

Manual Integrations
APPROVED

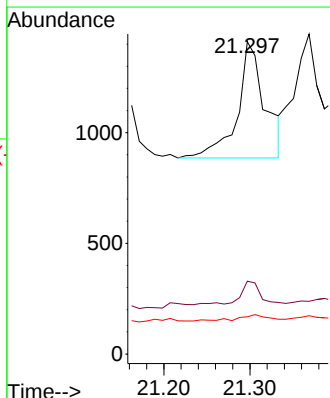
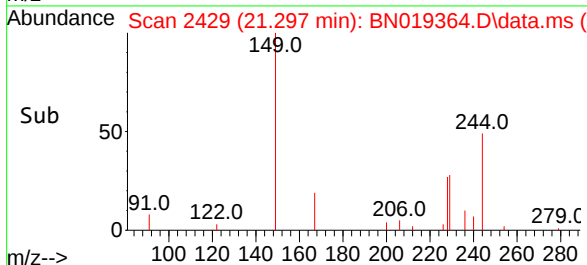
Reviewed By : Christian Giraldo 04/08/2022
Supervised By : Jagrut Upadhyay 04/08/2022

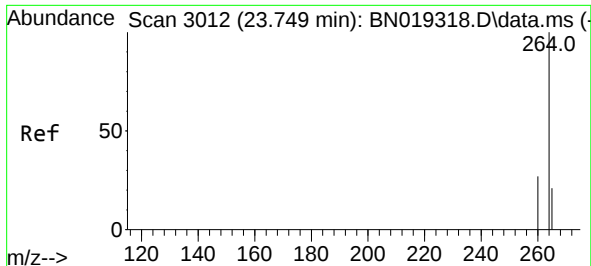


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.023 ng
RT: 21.297 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40



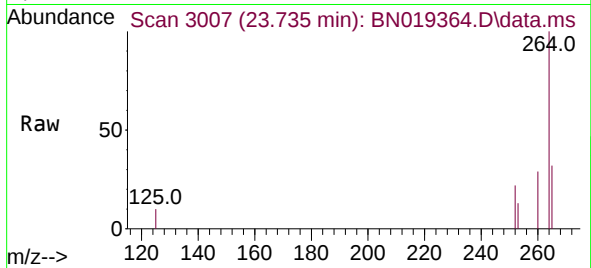
Tgt Ion: 149 Resp: 1161
Ion Ratio Lower Upper
149 100
167 14.8 21.8 32.8#
279 6.0 2.0 3.0#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.735 min Scan# 3012
 Delta R.T. -0.015 min
 Lab File: BN019364.D
 Acq: 05 Apr 2022 23:40

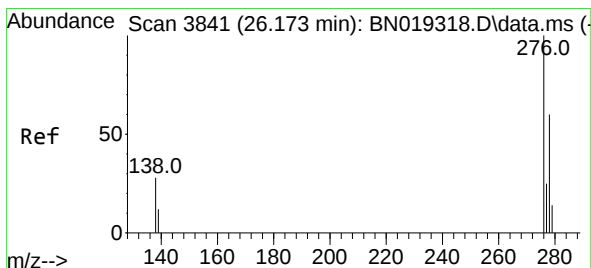
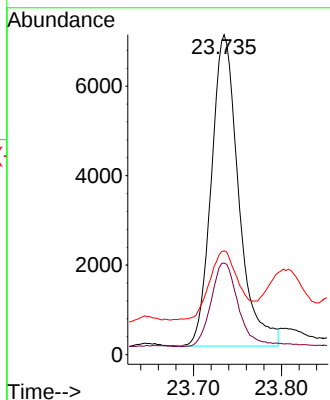
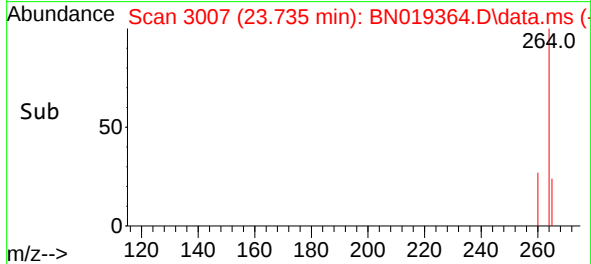
Instrument :
 BNA_N
 ClientSampleId :
 A01040DL2



Tgt Ion:264 Resp: 14989
 Ion Ratio Lower Upper
 264 100
 260 28.7 22.4 33.6
 265 32.5 25.3 37.9

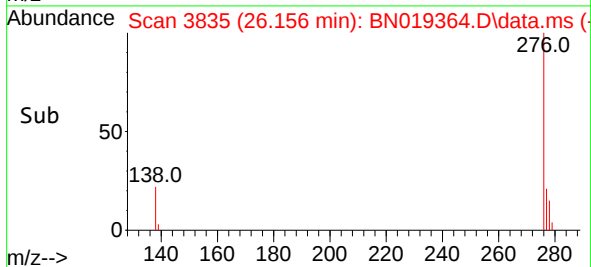
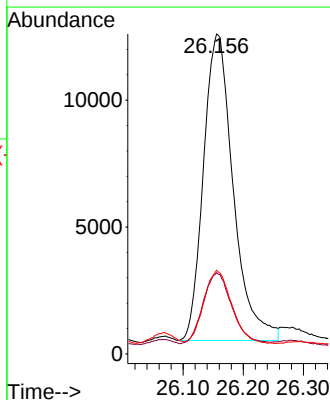
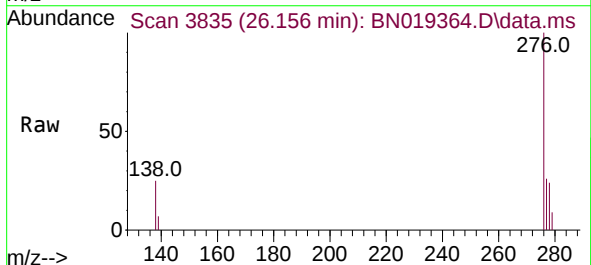
Manual Integrations
 APPROVED

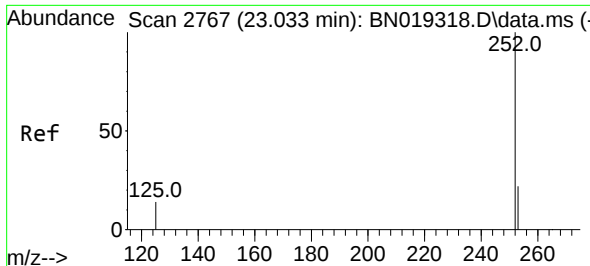
Reviewed By :Christian Giraldo 04/08/2022
 Supervised By :Jagrut Upadhyay 04/08/2022



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.662 ng
 RT: 26.156 min Scan# 3835
 Delta R.T. -0.018 min
 Lab File: BN019364.D
 Acq: 05 Apr 2022 23:40

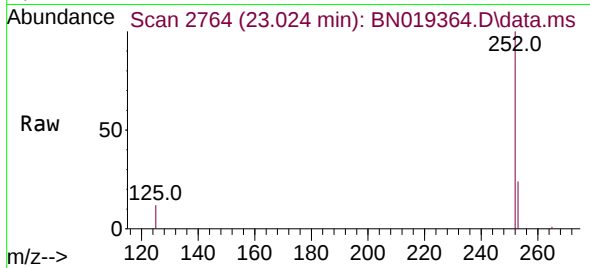
Tgt Ion:276 Resp: 41557
 Ion Ratio Lower Upper
 276 100
 138 22.3 24.5 36.7#
 277 22.1 19.8 29.8





#37
Benzo(b)fluoranthene
Concen: 2.302 ng
RT: 23.024 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

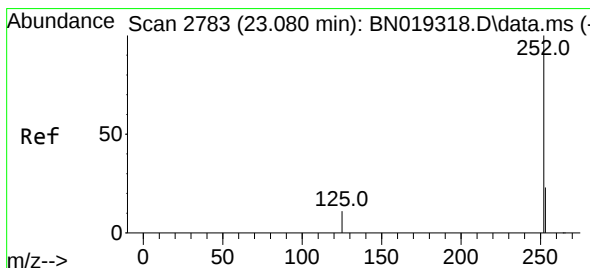
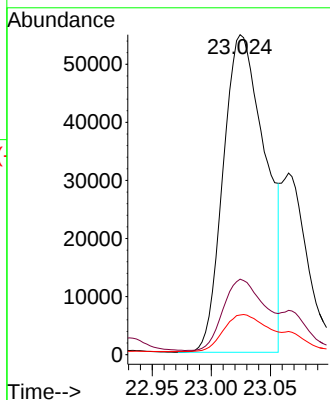
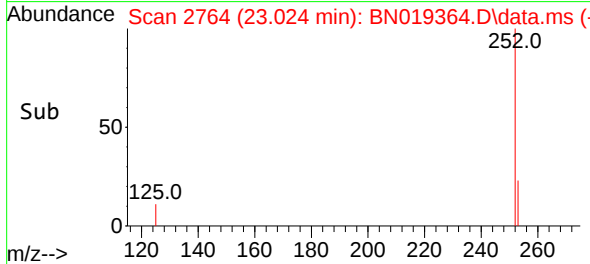
Instrument :
BNA_N
ClientSampleId :
A01040DL2



Tgt Ion:252 Resp: 135200
Ion Ratio Lower Upper
252 100
253 23.6 18.9 28.3
125 12.4 12.1 18.1

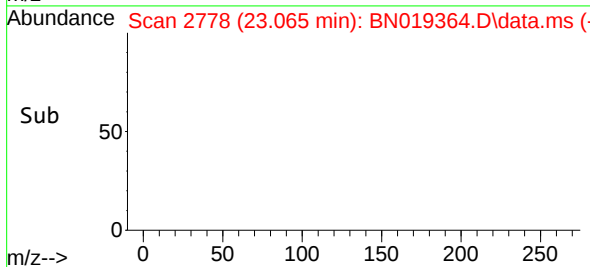
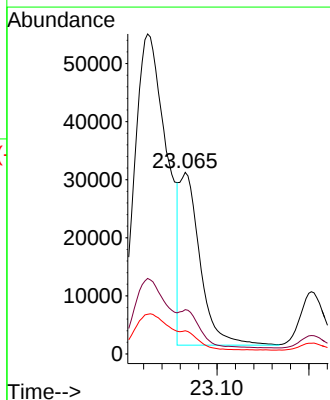
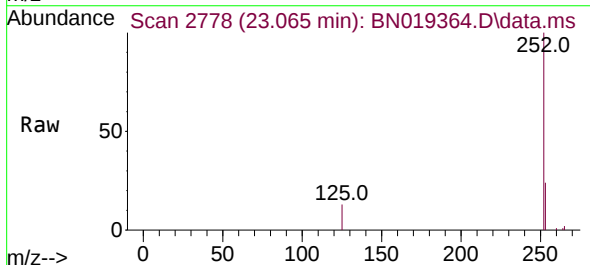
Manual Integrations
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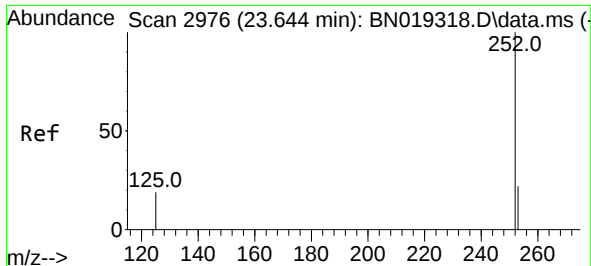
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#38
Benzo(k)fluoranthene
Concen: 0.758 ng m
RT: 23.065 min Scan# 2778
Delta R.T. -0.015 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:252 Resp: 46533
Ion Ratio Lower Upper
252 100
253 24.4 18.9 28.3
125 12.7 10.3 15.5





#39

Benzo(a)pyrene

Concen: 1.629 ng m

RT: 23.630 min Scan# 2976

Delta R.T. -0.015 min

Lab File: BN019364.D

Acq: 05 Apr 2022 23:40

Instrument :

BNA_N

ClientSampleId :

A01040DL2

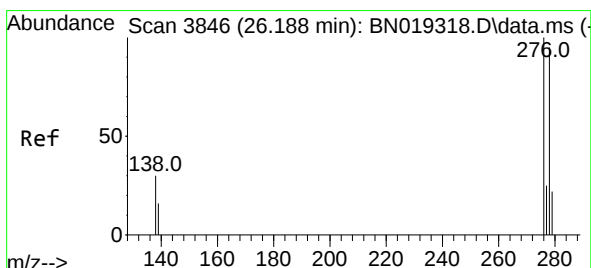
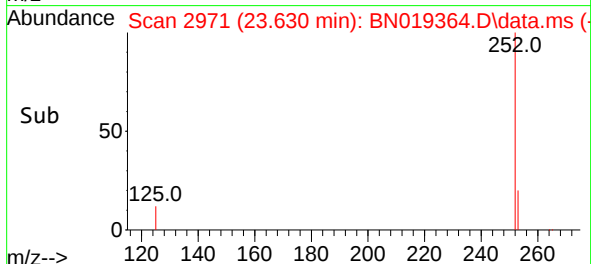
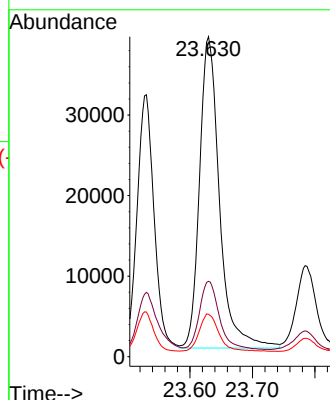
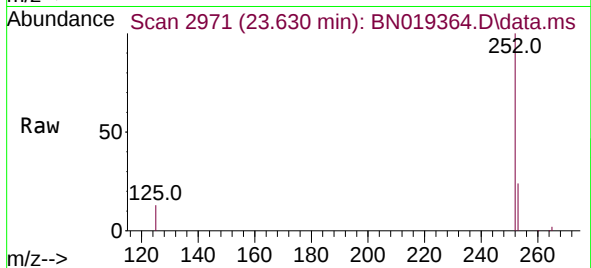
Tgt Ion:	252	Resp:	8599
Ion Ratio	Lower	Upper	
252	100		
253	23.6	20.1	30.1
125	13.3	15.2	22.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/08/2022

Supervised By :Jagrut Upadhyay 04/08/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.201 ng

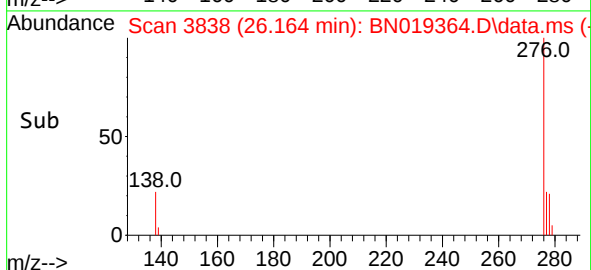
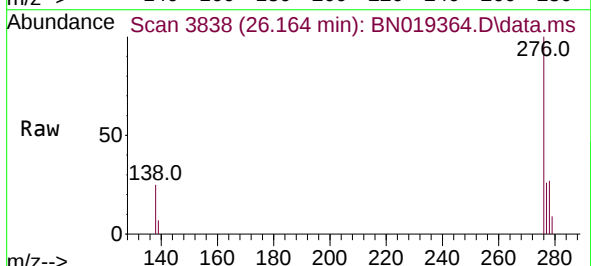
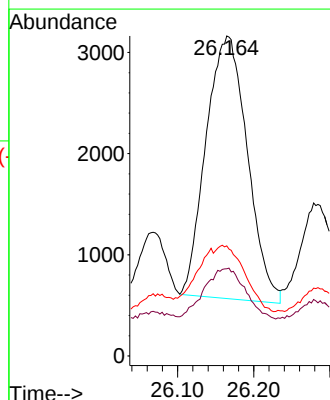
RT: 26.164 min Scan# 3838

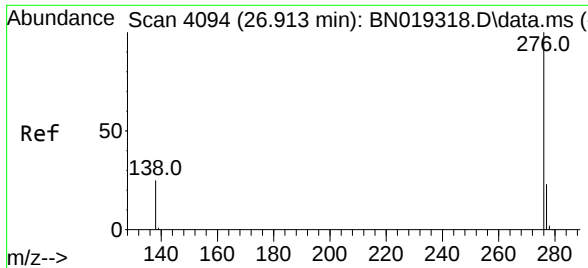
Delta R.T. -0.023 min

Lab File: BN019364.D

Acq: 05 Apr 2022 23:40

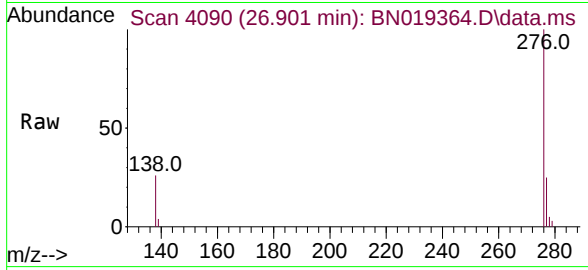
Tgt Ion:	278	Resp:	9760
Ion Ratio	Lower	Upper	
278	100		
139	27.3	17.2	25.8#
279	34.4	19.9	29.9#





#41
Benzo(g,h,i)perylene
Concen: 0.716 ng
RT: 26.901 min Scan# 4090
Delta R.T. -0.012 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Instrument :
BNA_N
ClientSampleId :
A01040DL2



Tgt Ion:276 Resp: 4166
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.0
138 25.6 21.0 31.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

