

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040422\
 Data File : BN019339.D
 Acq On : 05 Apr 2022 05:23
 Operator : CG/JU
 Sample : N2237-06 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A01015

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/05/2022
 Supervised By : Jagrut Upadhyay 04/05/2022

Quant Time: Apr 05 05:59:28 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	7.825	152	5329	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	16556	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	11268	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	23574	0.400	ng	# 0.00
29) Chrysene-d12	21.386	240	18626	0.400	ng	# 0.00
35) Perylene-d12	23.738	264	14161	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	557	0.039	ng	0.00
5) Phenol-d6	7.002	99	534	0.031	ng	0.01
8) Nitrobenzene-d5	9.003	82	422	0.028	ng	0.02
11) 2-Methylnaphthalene-d10	12.227	152	1140	0.039	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	205	0.030	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	1684	0.036	ng	0.00
27) Fluoranthene-d10	19.236	212	2330	0.031	ng	0.00
31) Terphenyl-d14	19.830	244	1605	0.040	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	12588	0.258	ng	98
12) 2-Methylnaphthalene	12.299	142	4958	0.146	ng	97
16) Acenaphthylene	14.185	152	8969	0.160	ng	99
17) Acenaphthene	14.527	154	14320	0.385	ng	99
18) Fluorene	15.511	166	26749	0.545	ng	95
25) Phenanthrene	17.246	178	419250	5.300	ng	100
26) Anthracene	17.338	178	70097	1.008	ng	97
28) Fluoranthene	19.265	202	575456	6.134	ng	100
30) Pyrene	19.628	202	451651	5.212	ng	# 95
32) Benzo(a)anthracene	21.377	228	232305	3.375	ng	99
33) Chrysene	21.422	228	217786	2.848	ng	98
34) Bis(2-ethylhexyl)phtha...	21.306	149	1390	0.027	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.164	276	67967	1.147	ng	# 90
37) Benzo(b)fluoranthene	23.027	252	229112	4.129	ng	97
38) Benzo(k)fluoranthene	23.068	252	80506m	1.388	ng	
39) Benzo(a)pyrene	23.632	252	144822m	2.905	ng	
40) Dibenzo(a,h)anthracene	26.170	278	16468	0.359	ng	94
41) Benzo(g,h,i)perylene	26.901	276	66577	1.212	ng	99

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

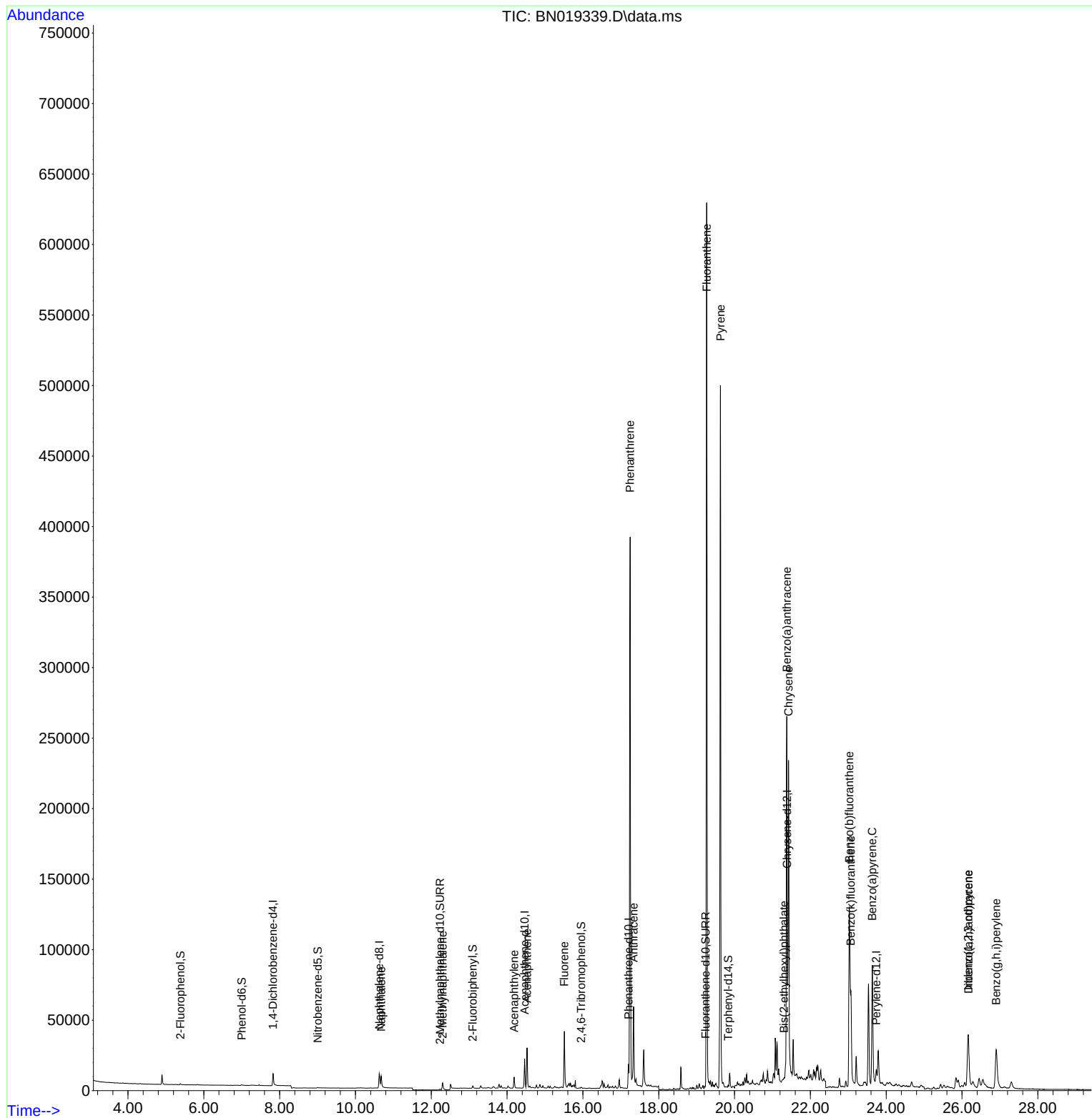
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040422\
Data File : BN019339.D
Acq On : 05 Apr 2022 05:23
Operator : CG/JU
Sample : N2237-06 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

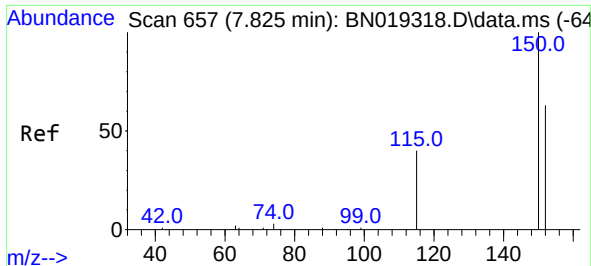
Instrument :
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ClientSampleId :
A01015

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Supervised By : Jagrut Upadhyay 04/05/2022

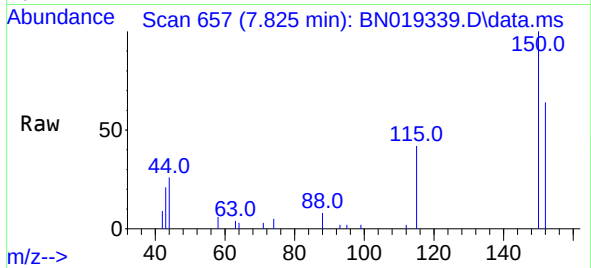
Quant Time: Apr 05 05:59:28 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 657
Delta R.T. 0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

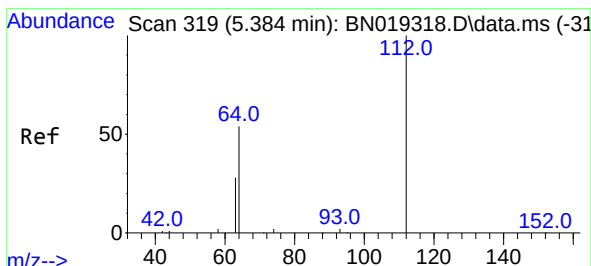
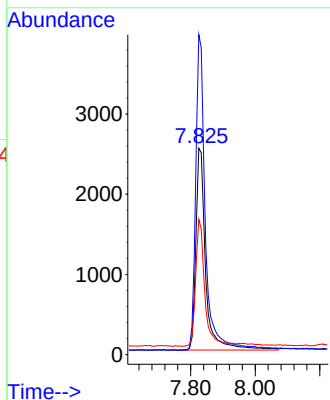
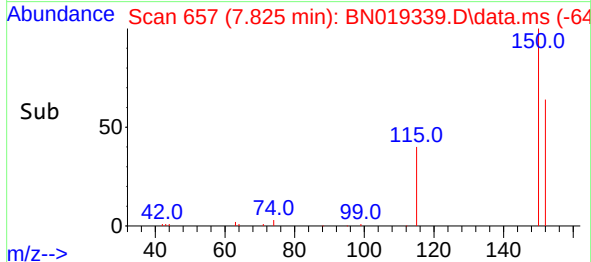
Instrument :
BNA_N
ClientSampleId :
A01015



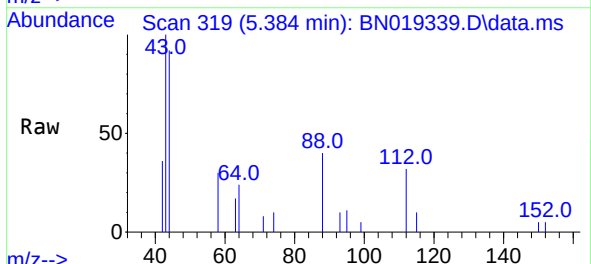
Tgt Ion:152 Resp: 5329
Ion Ratio Lower Upper
152 100
150 155.1 123.9 185.9
115 65.5 48.2 72.4

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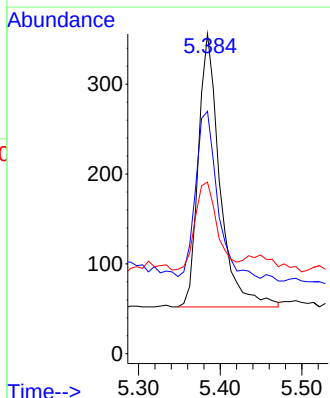
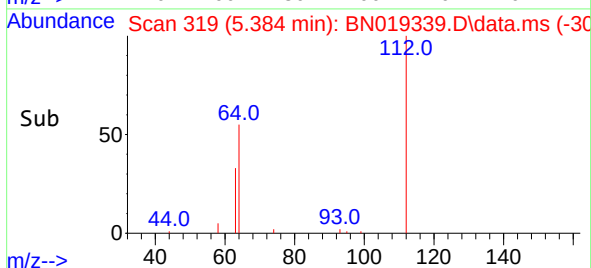
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

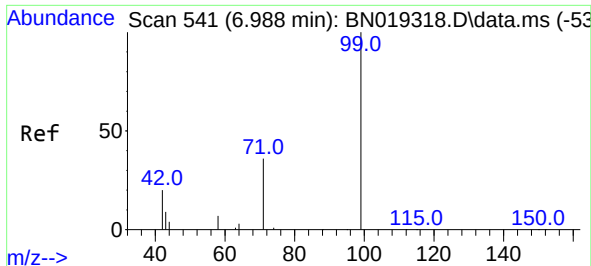


#4
2-Fluorophenol
Concen: 0.039 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23



Tgt Ion:112 Resp: 557
Ion Ratio Lower Upper
112 100
64 62.1 47.8 71.8
63 33.6 25.7 38.5





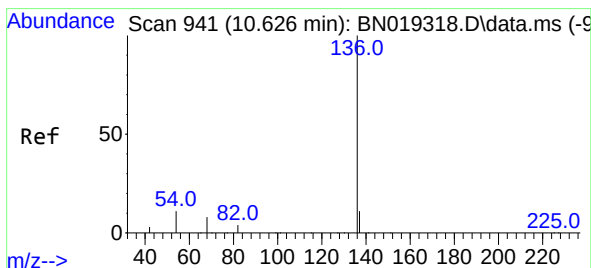
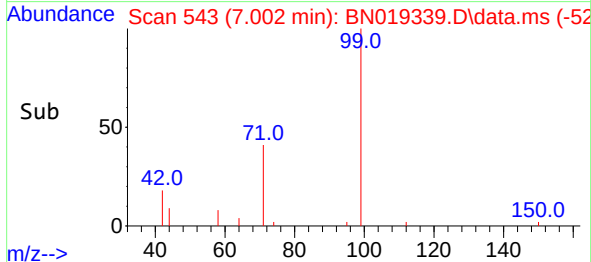
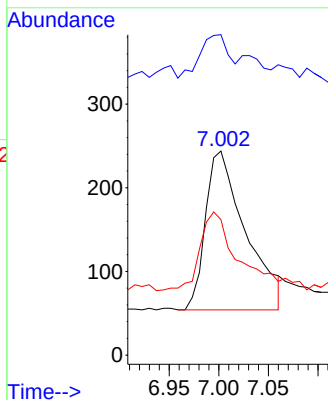
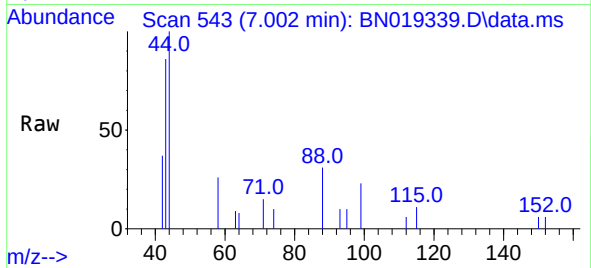
#5
Phenol-d6
Concen: 0.031 ng
RT: 7.002 min Scan# 541
Delta R.T. 0.014 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 99 Resp: 534
Ion Ratio Lower Upper
99 100
42 19.5 16.2 24.4
71 44.6 27.7 41.5

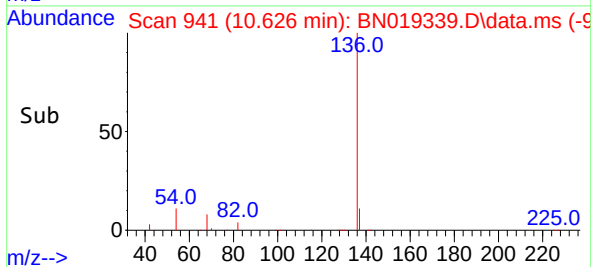
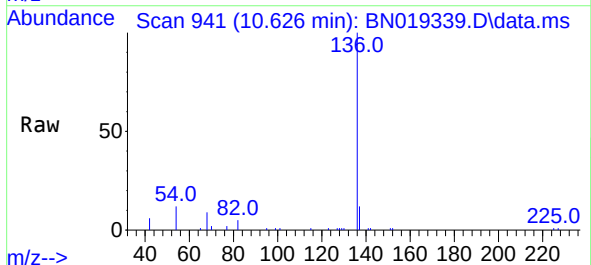
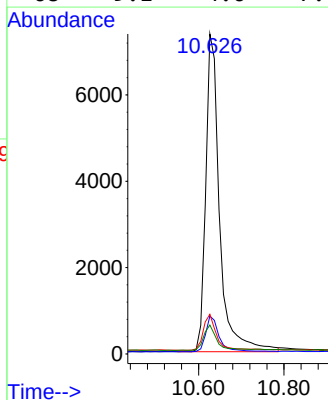
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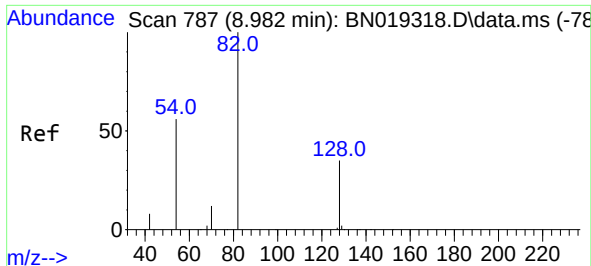
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

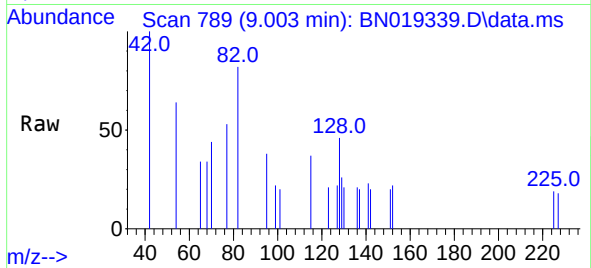
Tgt Ion:136 Resp: 16556
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.4
54 12.4 5.8 8.6#
68 9.1 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.028 ng
RT: 9.003 min Scan# 789
Delta R.T. 0.021 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

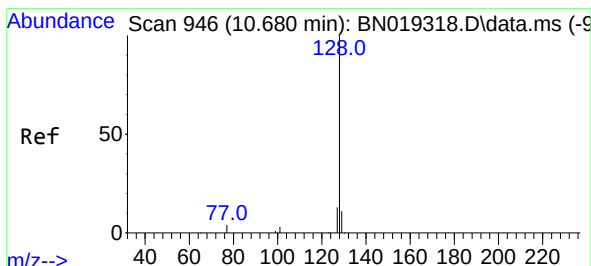
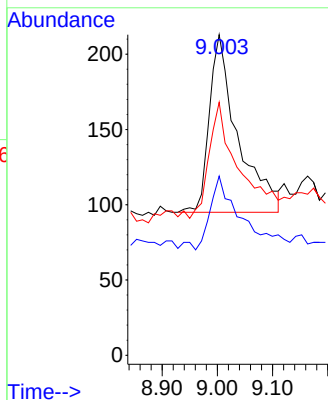
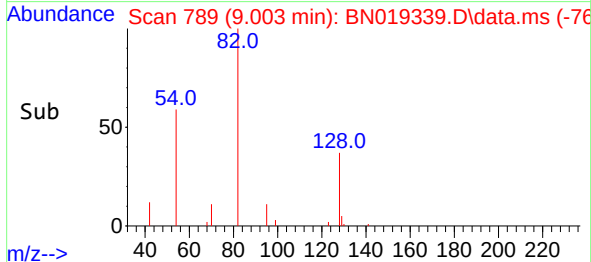
Instrument :
BNA_N
ClientSampleId :
A01015



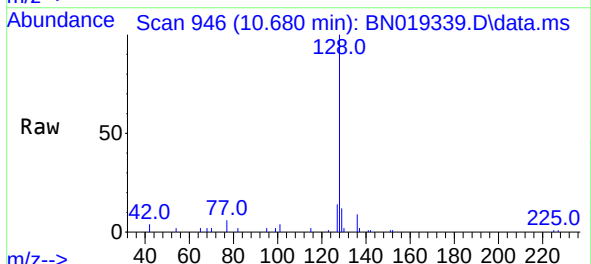
Tgt Ion: 82 Resp: 42
Ion Ratio Lower Upper
82 100
128 55.9 33.0 49.6
54 78.9 42.5 63.7

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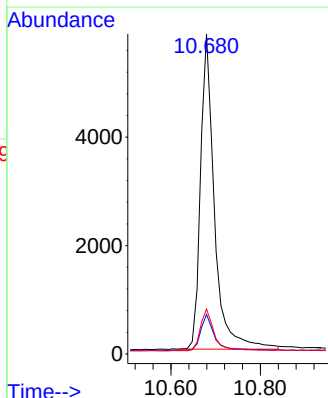
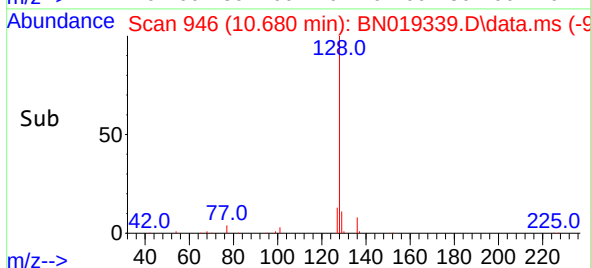
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

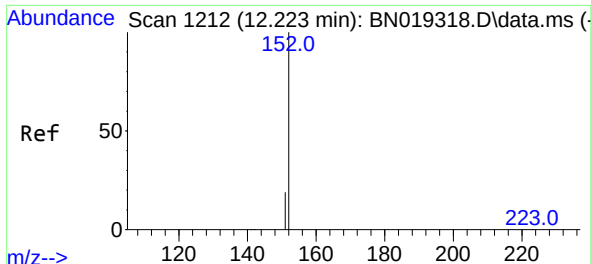


#9
Naphthalene
Concen: 0.258 ng
RT: 10.680 min Scan# 946
Delta R.T. -0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23



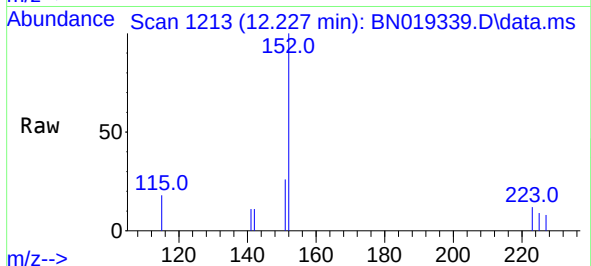
Tgt Ion:128 Resp: 12588
Ion Ratio Lower Upper
128 100
129 12.3 9.0 13.4
127 14.1 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.039 ng
RT: 12.227 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

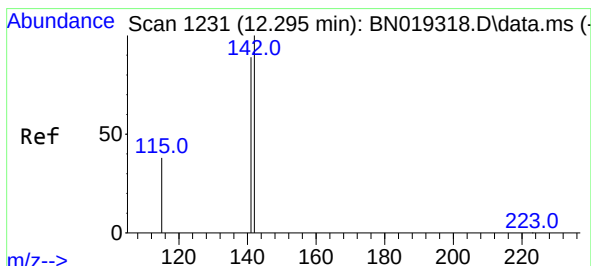
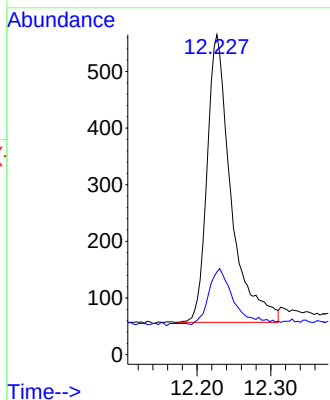
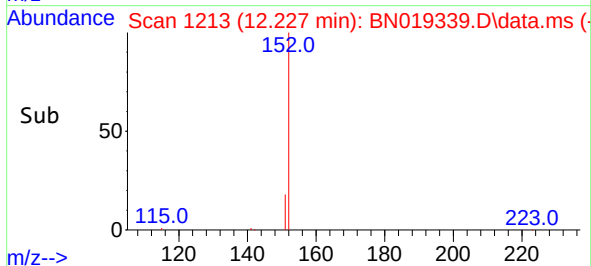
Instrument :
BNA_N
ClientSampleId :
A01015



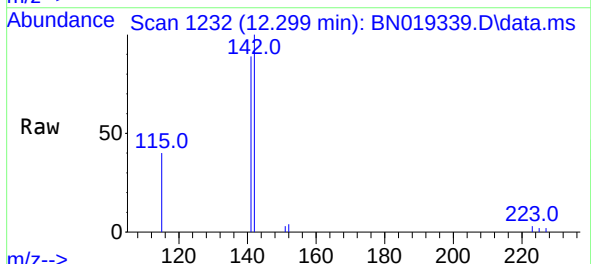
Tgt Ion:152 Resp: 1140
Ion Ratio Lower Upper
152 100
151 19.2 16.5 24.7

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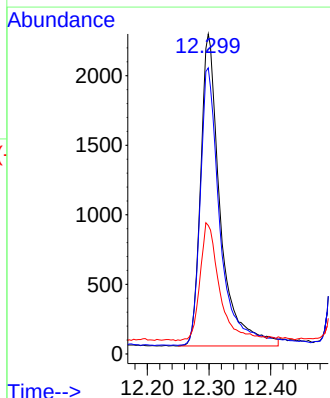
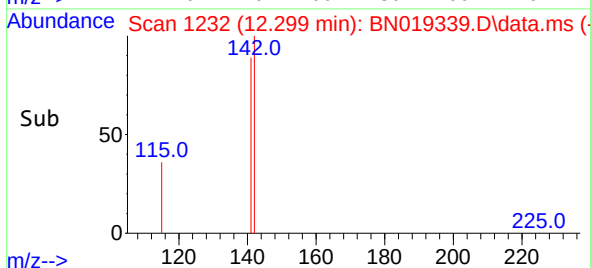
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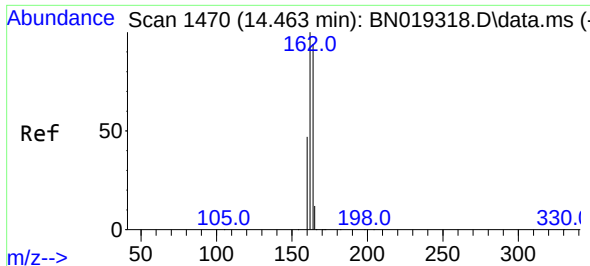


#12
2-Methylnaphthalene
Concen: 0.146 ng
RT: 12.299 min Scan# 1232
Delta R.T. 0.004 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23



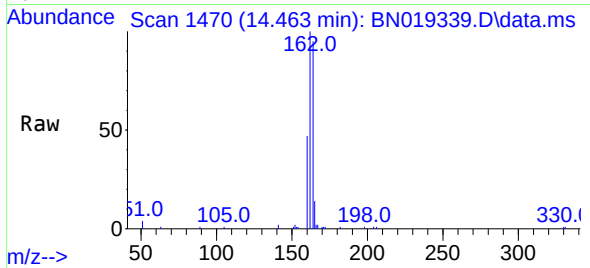
Tgt Ion:142 Resp: 4958
Ion Ratio Lower Upper
142 100
141 89.4 70.0 105.0
115 40.1 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

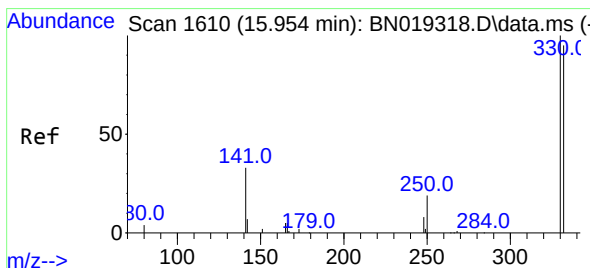
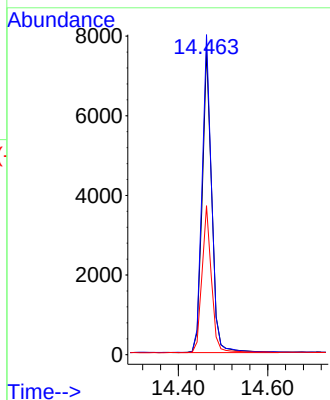
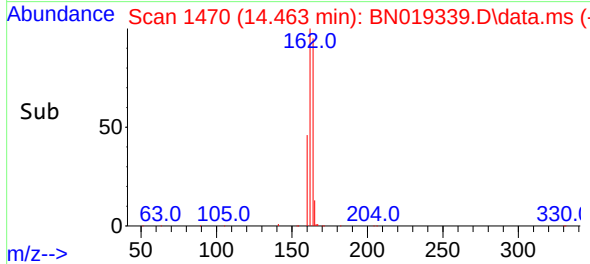
Instrument :
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A01015



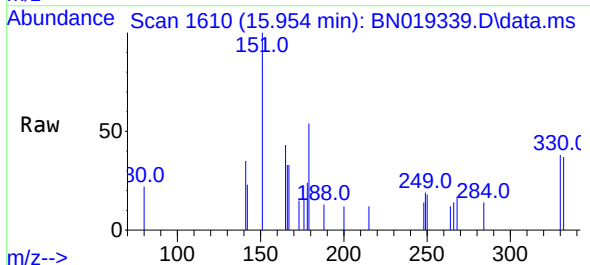
Tgt Ion:164 Resp: 1126
Ion Ratio Lower Upper
164 100
162 105.0 85.2 127.8
160 48.9 41.5 62.3

Manual Integrations
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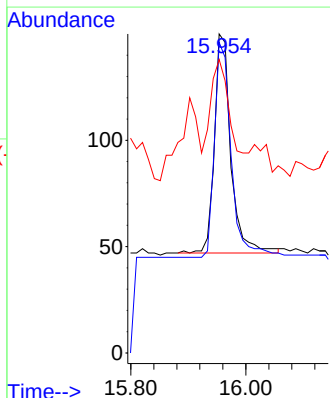
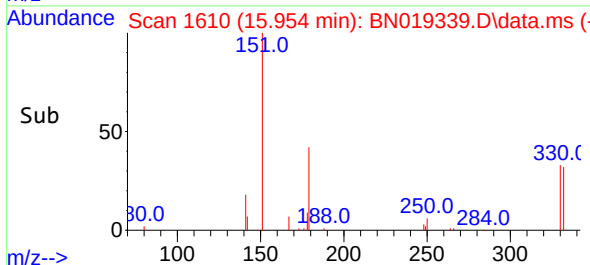
Reviewed By :Christian Giraldo 04/05/2022
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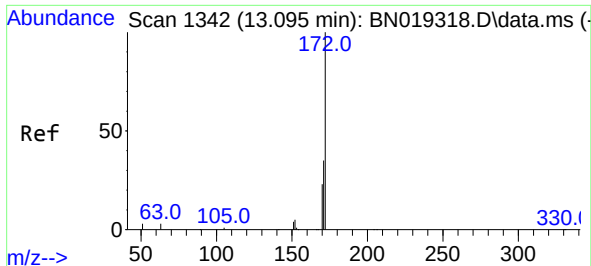


#14
2,4,6-Tribromophenol
Concen: 0.030 ng
RT: 15.954 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23



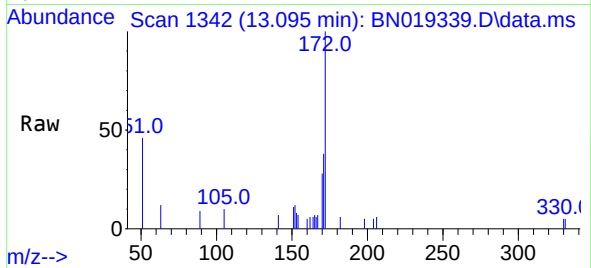
Tgt Ion:330 Resp: 205
Ion Ratio Lower Upper
330 100
332 100.5 76.8 115.2
141 42.4 32.2 48.2





#15
2-Fluorobiphenyl
Concen: 0.036 ng
RT: 13.095 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

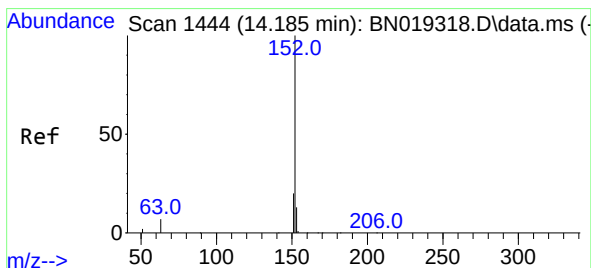
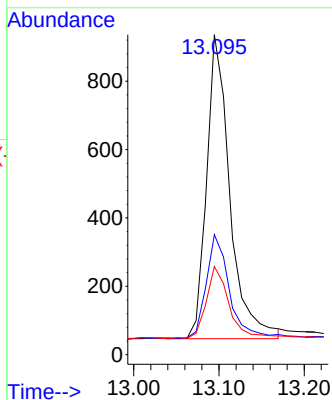
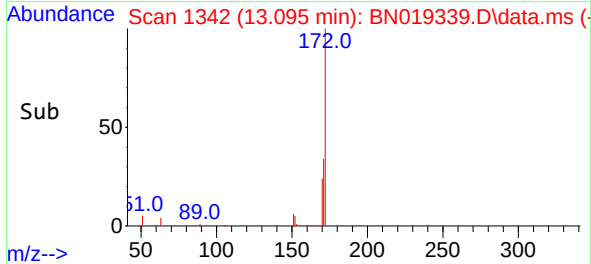
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Tgt Ion:	172	Resp:	1684
Ion Ratio	Lower	Upper	
172	100		
171	37.5	28.2	42.2
170	27.6	18.7	28.1

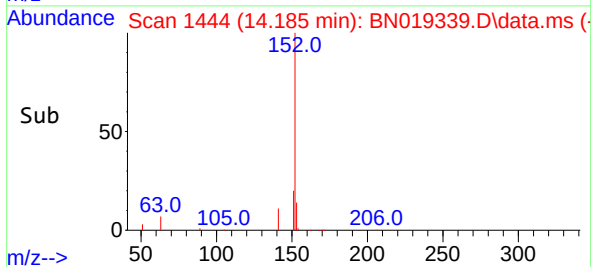
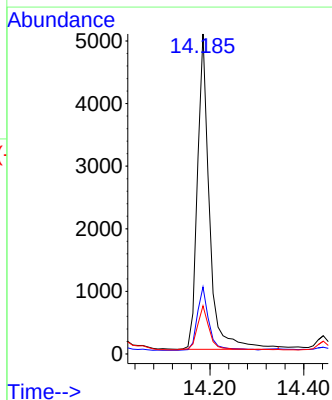
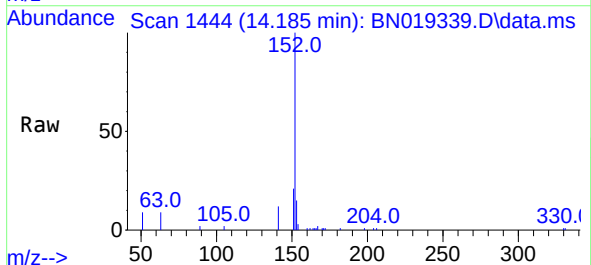
Manual Integrations
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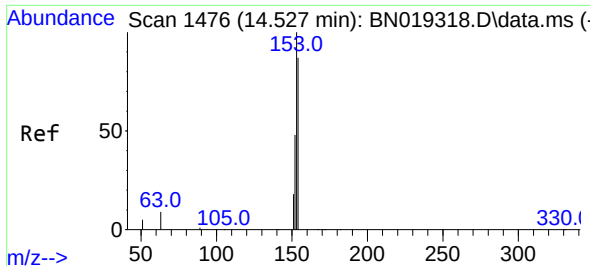
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#16
Acenaphthylene
Concen: 0.160 ng
RT: 14.185 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

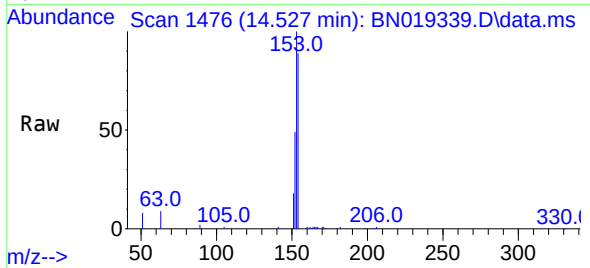
Tgt Ion:	152	Resp:	8969
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.9	23.9
153	14.0	10.6	15.8





#17
Acenaphthene
Concen: 0.385 ng
RT: 14.527 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

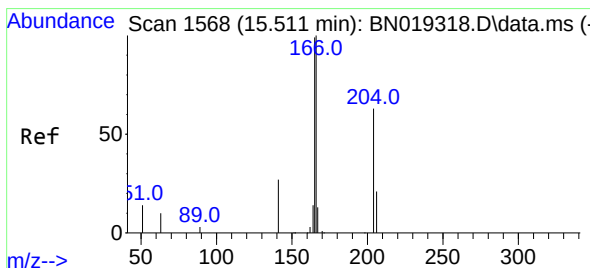
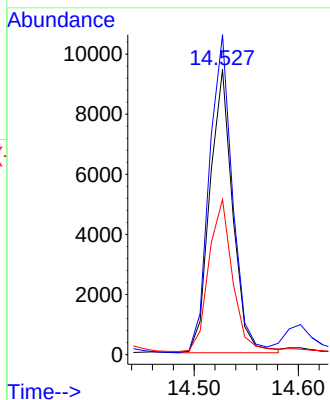
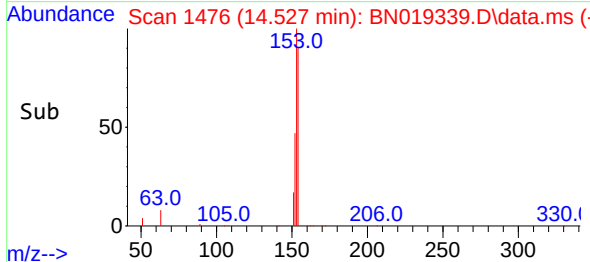
Instrument :
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ClientSampleId :
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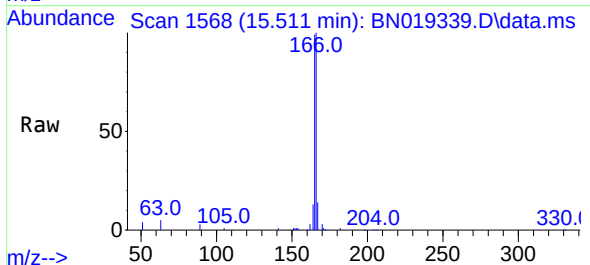
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Ion Ratio Lower Upper
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153 113.6 89.7 134.5
152 56.8 44.7 67.1

Manual Integrations
APPROVED

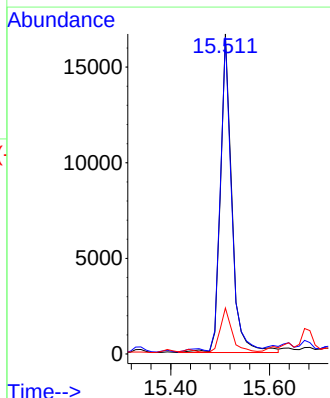
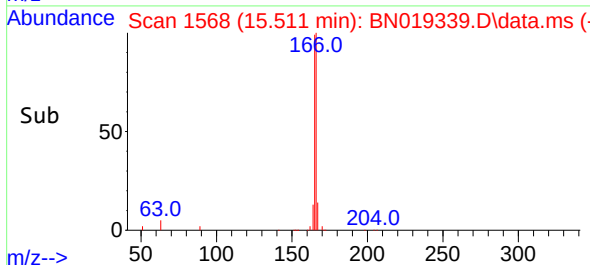
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

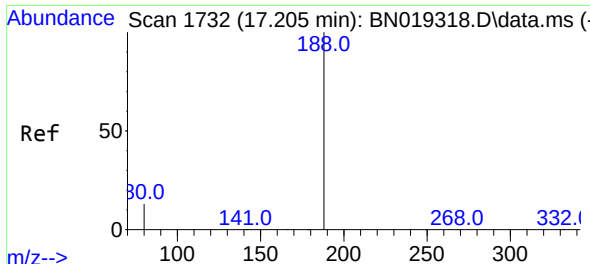


#18
Fluorene
Concen: 0.545 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23



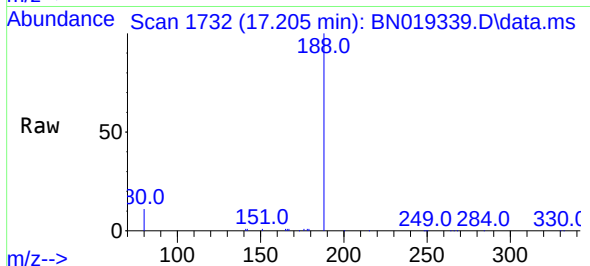
Tgt Ion:166 Resp: 26749
Ion Ratio Lower Upper
166 100
165 94.1 79.2 118.8
167 14.2 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. -0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

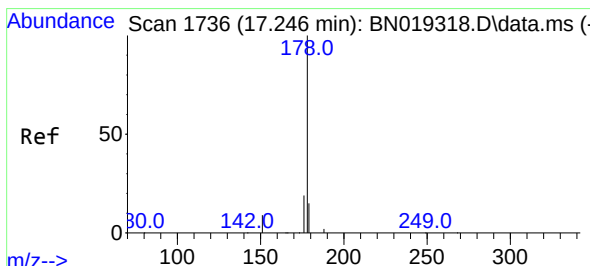
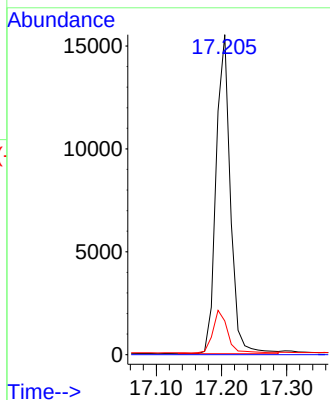
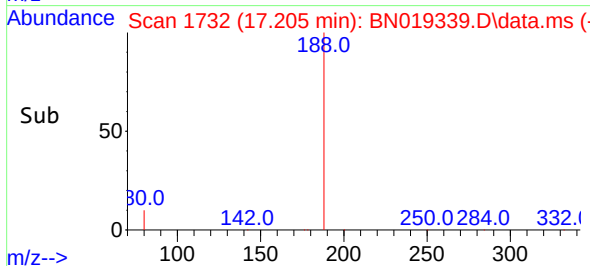
Instrument :
BNA_N
ClientSampleId :
A01015



Tgt Ion:188 Resp: 23574
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.5 11.8 17.8

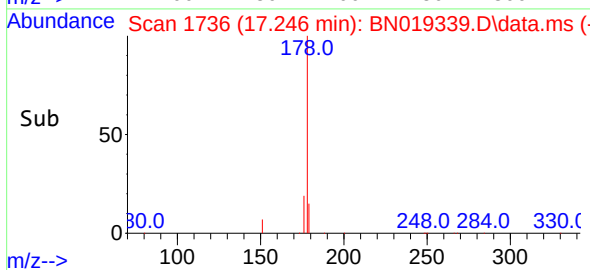
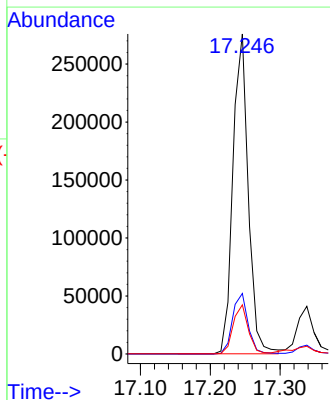
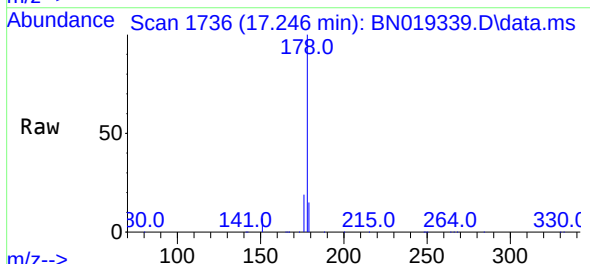
Manual Integrations
APPROVED

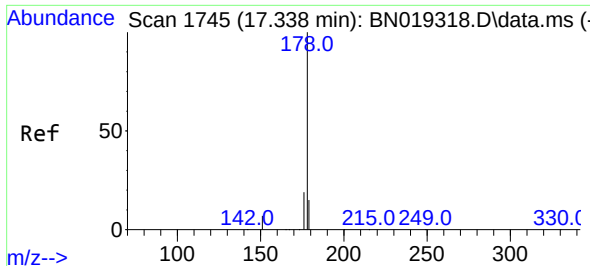
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#25
Phenanthrene
Concen: 5.300 ng
RT: 17.246 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

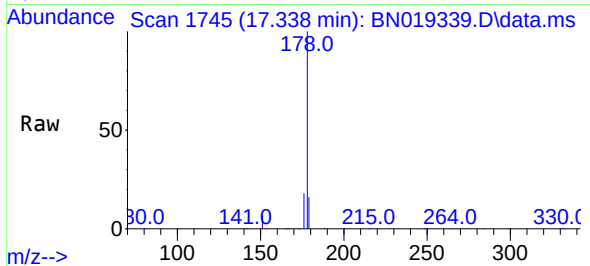
Tgt Ion:178 Resp: 419250
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.2 12.2 18.2





#26
 Anthracene
 Concen: 1.008 ng
 RT: 17.338 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN019339.D
 Acq: 05 Apr 2022 05:23

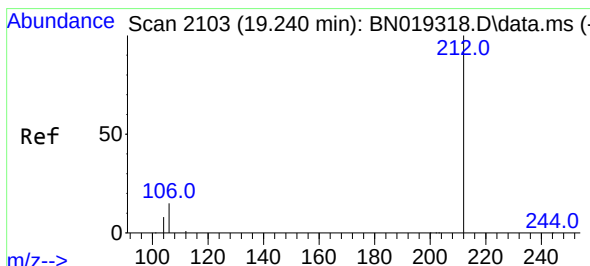
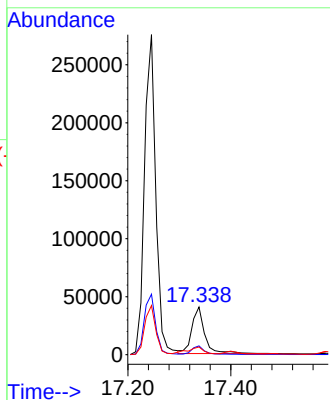
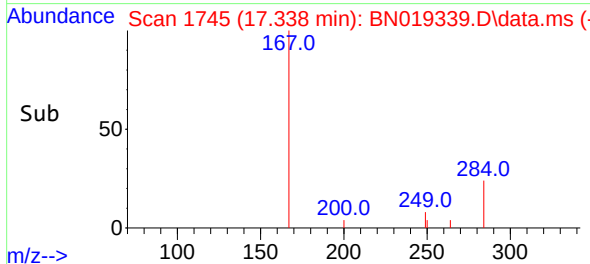
Instrument :
 BNA_N
 ClientSampleId :
 A01015



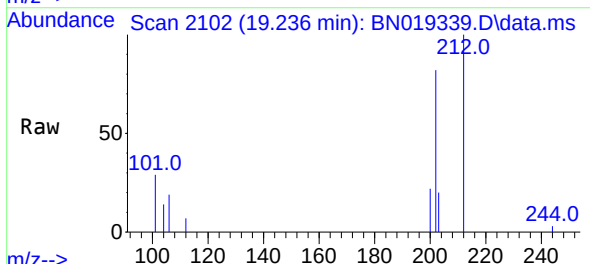
Tgt Ion:178 Resp: 7009
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.8 22.2
 179 17.1 12.2 18.4

Manual Integrations
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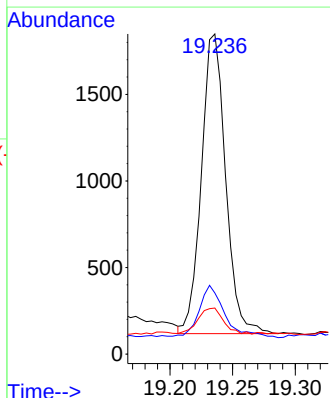
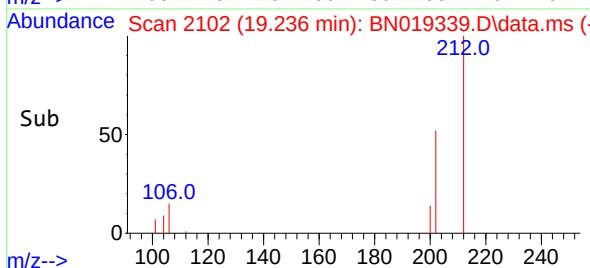
Reviewed By :Christian Giraldo 04/05/2022
 Supervised By :Jagrut Upadhyay 04/05/2022

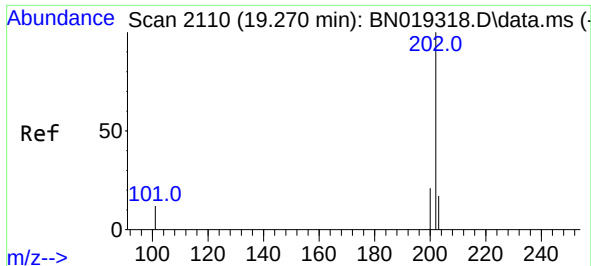


#27
 Fluoranthene-d10
 Concen: 0.031 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019339.D
 Acq: 05 Apr 2022 05:23



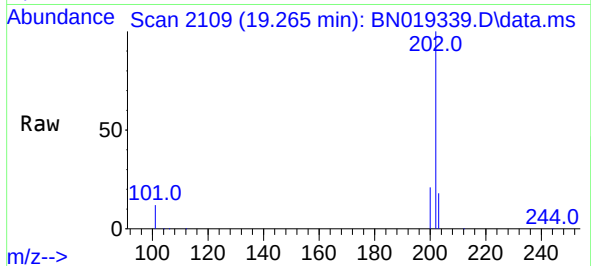
Tgt Ion:212 Resp: 2330
 Ion Ratio Lower Upper
 212 100
 106 18.5 12.7 19.1
 104 9.2 7.1 10.7





#28
Fluoranthene
Concen: 6.134 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

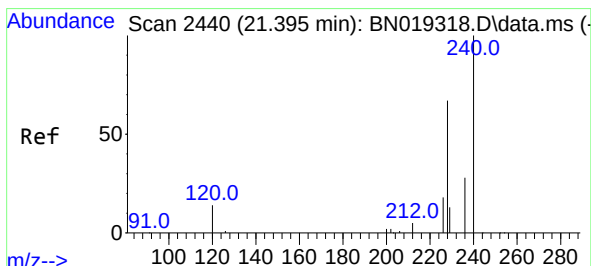
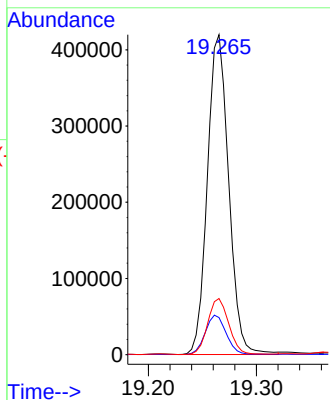
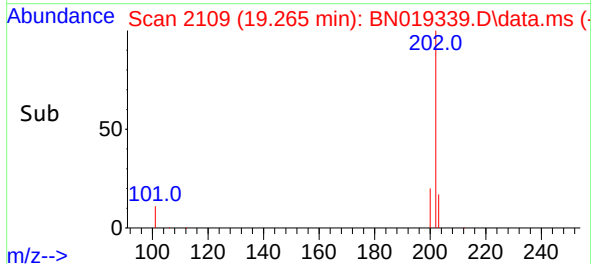
Instrument :
BNA_N
ClientSampleId :
A01015



Tgt Ion:202 Resp: 575450
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.6
203 17.3 13.7 20.5

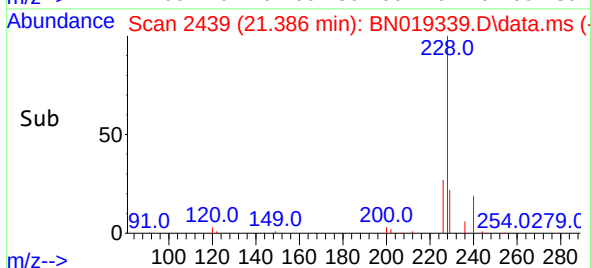
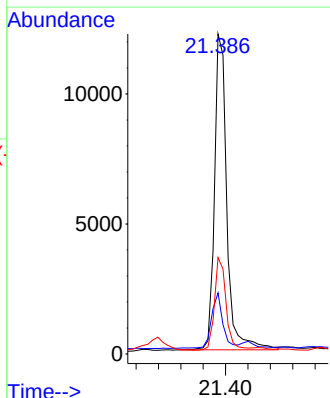
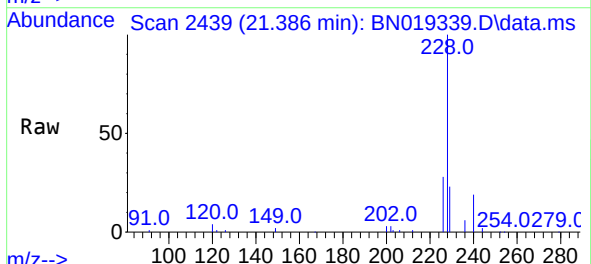
Manual Integrations
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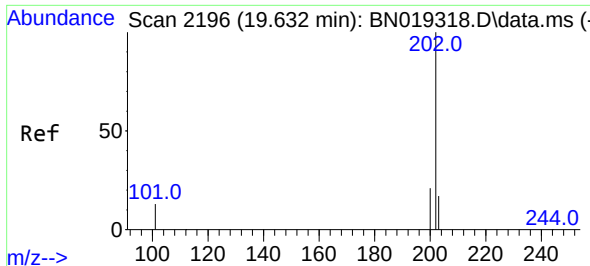
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

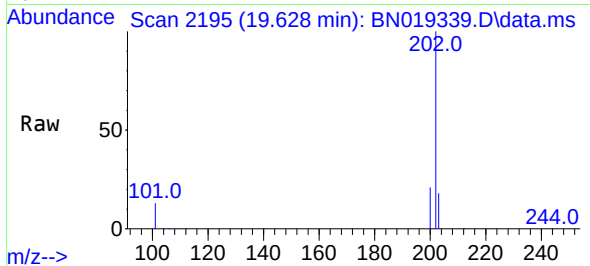
Tgt Ion:240 Resp: 18626
Ion Ratio Lower Upper
240 100
120 19.1 8.5 12.7#
236 30.2 22.4 33.6





#30
Pyrene
Concen: 5.212 ng
RT: 19.628 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

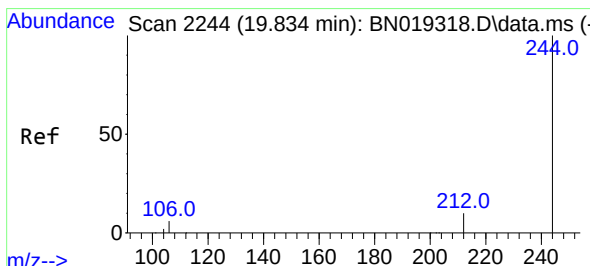
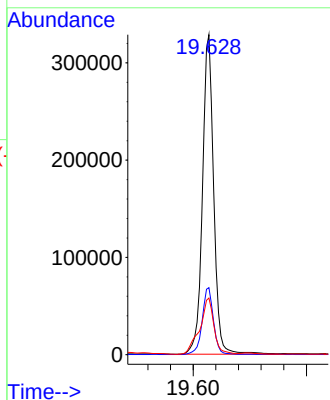
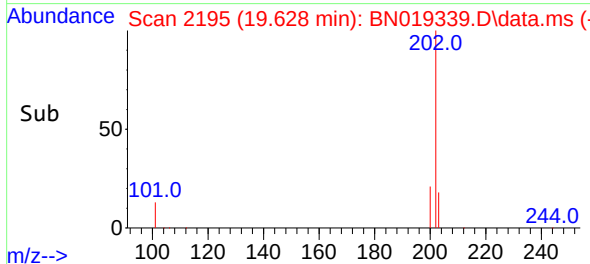
Instrument :
BNA_N
ClientSampleId :
A01015



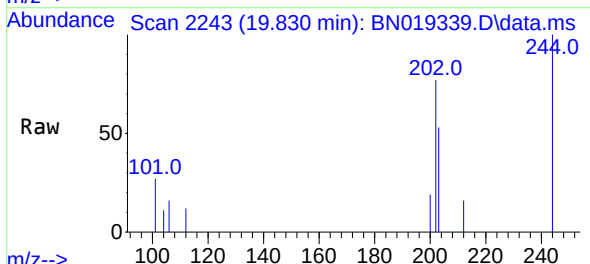
Tgt Ion:202 Resp: 45165
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 22.3 14.2 21.2

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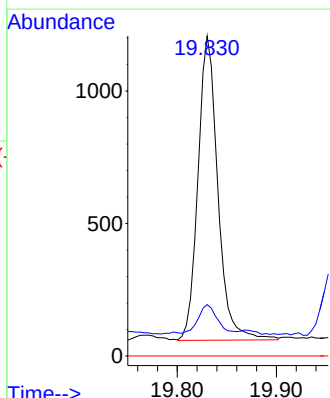
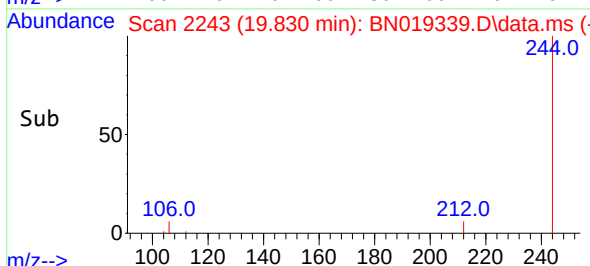
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

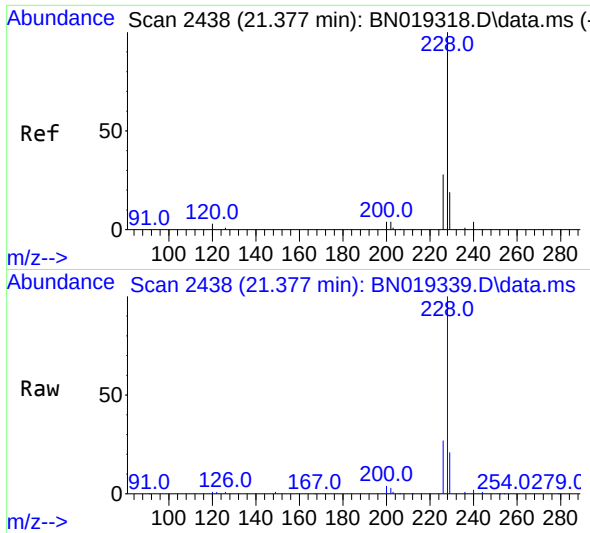


#31
Terphenyl-d14
Concen: 0.040 ng
RT: 19.830 min Scan# 2243
Delta R.T. -0.004 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23



Tgt Ion:244 Resp: 1605
Ion Ratio Lower Upper
244 100
212 16.1 8.2 12.4#
122 0.0 0.0 0.0





#32

Benzo(a)anthracene

Concen: 3.375 ng

RT: 21.377 min Scan# 2438

Delta R.T. -0.000 min

Lab File: BN019339.D

Acq: 05 Apr 2022 05:23

Instrument :

BNA_N

ClientSampleId :

A01015

Tgt Ion:228 Resp: 232305

Ion Ratio Lower Upper

228 100

226 27.1 21.9 32.9

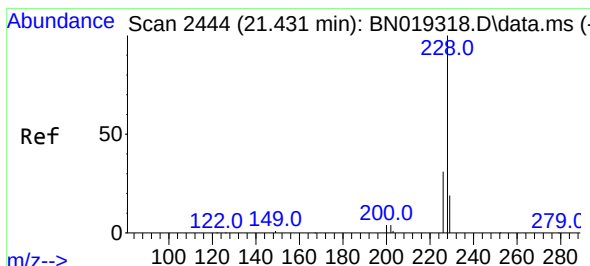
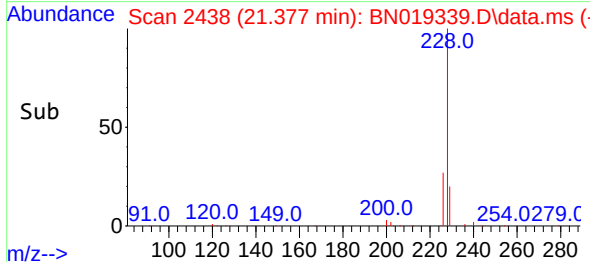
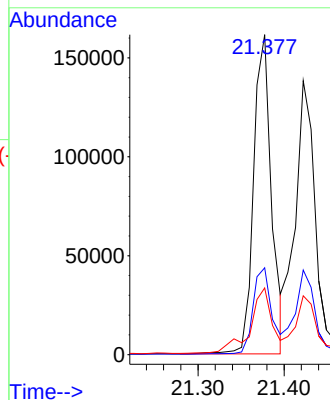
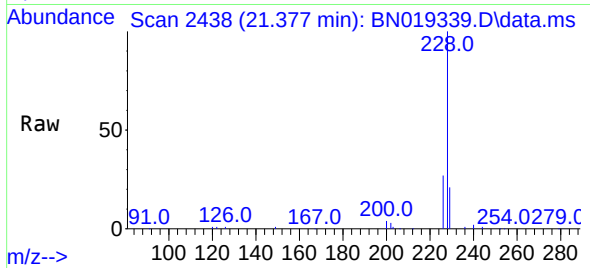
229 20.8 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/05/2022

Supervised By :Jagrut Upadhyay 04/05/2022



#33

Chrysene

Concen: 2.848 ng

RT: 21.422 min Scan# 2443

Delta R.T. -0.009 min

Lab File: BN019339.D

Acq: 05 Apr 2022 05:23

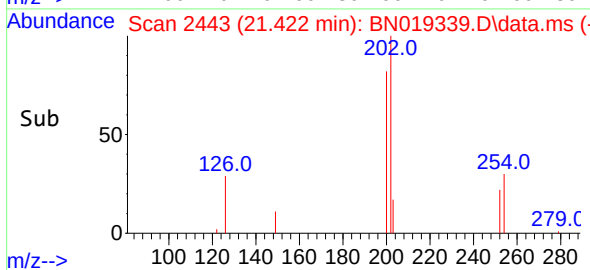
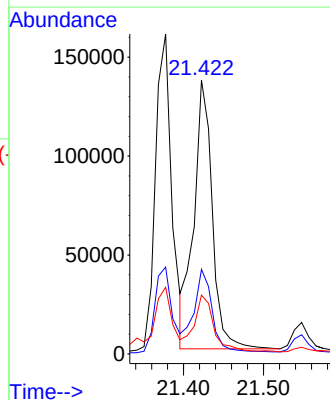
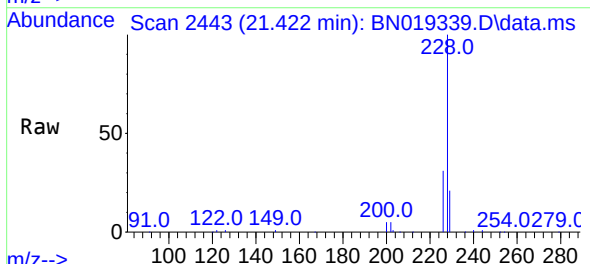
Tgt Ion:228 Resp: 217786

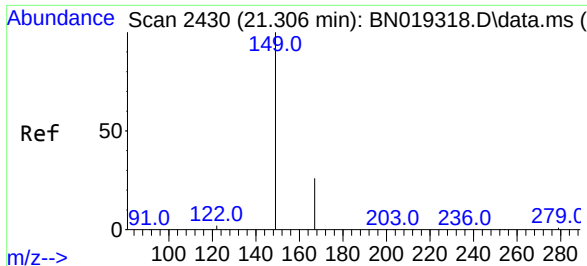
Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

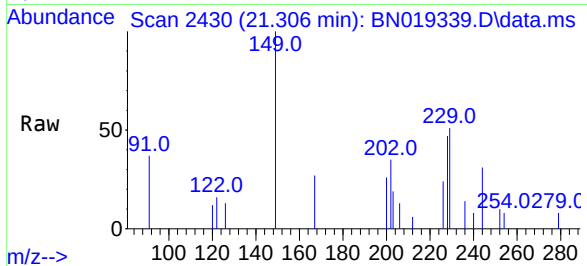
229 21.5 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.027 ng
RT: 21.306 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

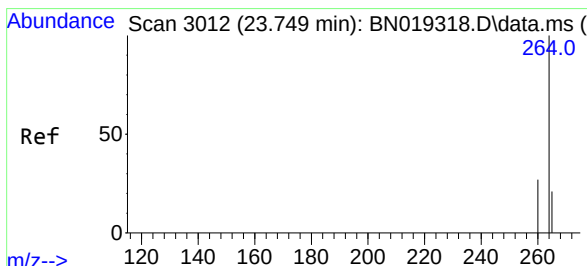
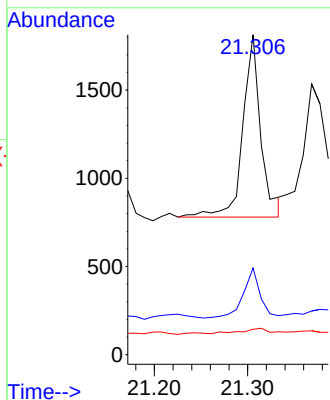
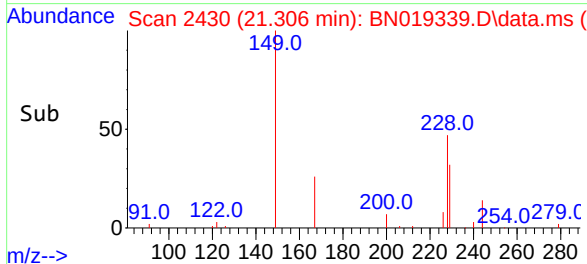
Instrument :
BNA_N
ClientSampleId :
A01015



Tgt Ion:149 Resp: 1390
Ion Ratio Lower Upper
149 100
167 25.9 21.8 32.8
279 4.8 2.0 3.0

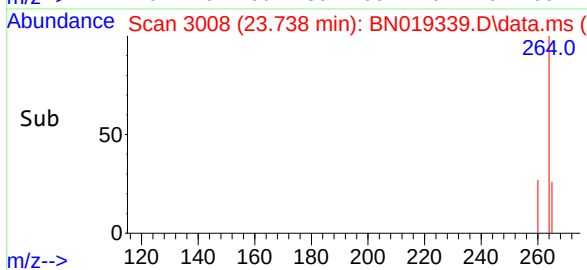
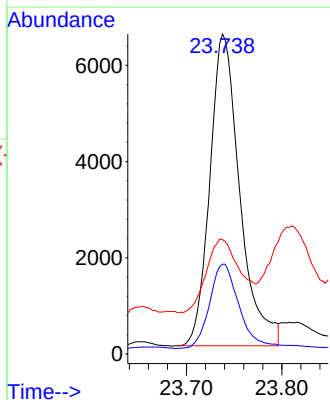
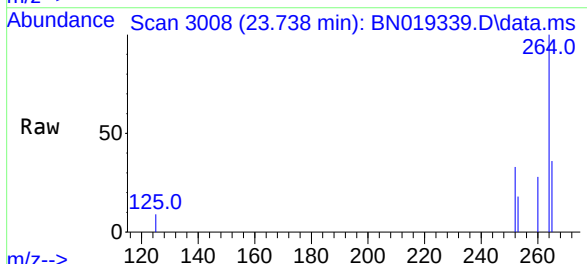
Manual Integrations
APPROVED

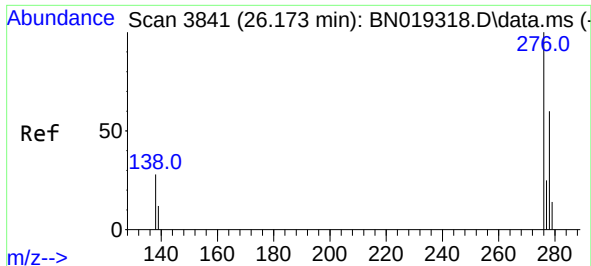
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 3008
Delta R.T. -0.012 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

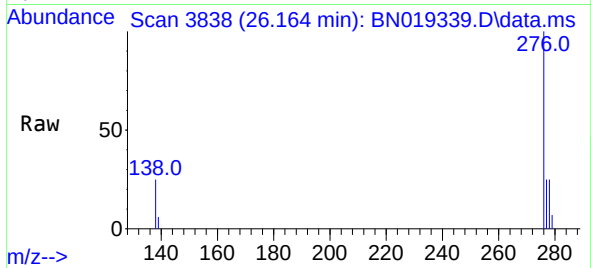
Tgt Ion:264 Resp: 14161
Ion Ratio Lower Upper
264 100
260 28.0 22.4 33.6
265 35.7 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.147 ng
RT: 26.164 min Scan# 3841
Delta R.T. -0.009 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

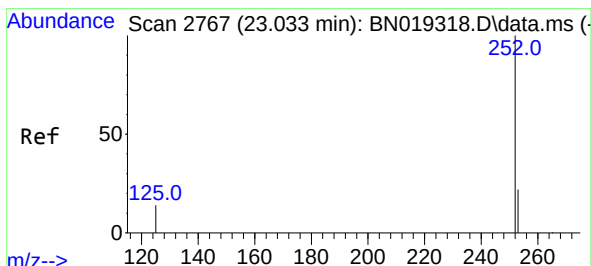
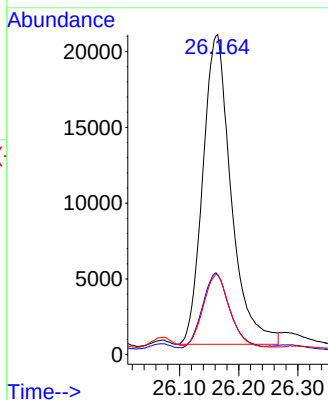
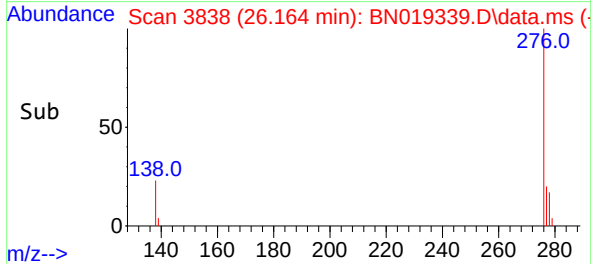
Instrument :
BNA_N
ClientSampleId :
A01015



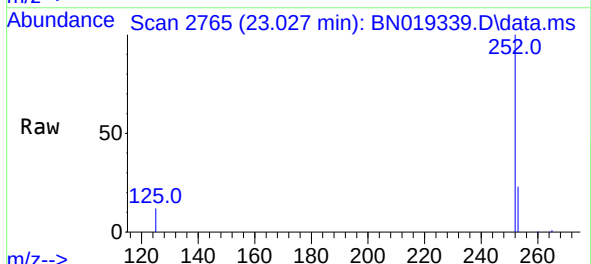
Tgt Ion:276 Resp: 6796
Ion Ratio Lower Upper
276 100
138 23.1 24.5 36.7
277 21.9 19.8 29.8

Manual Integrations
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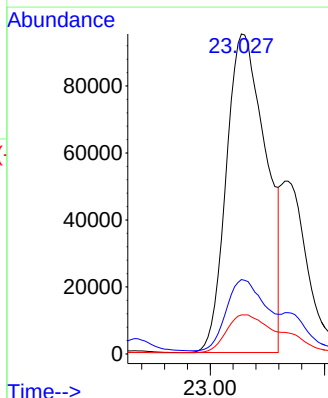
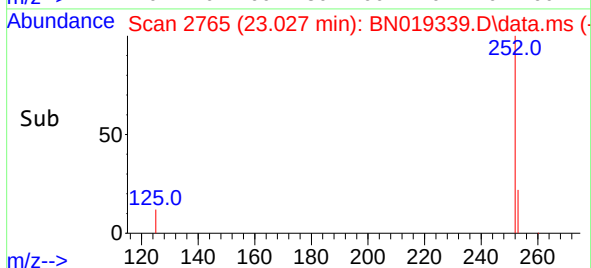
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

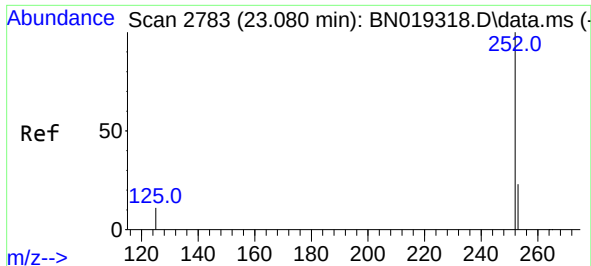


#37
Benzo(b)fluoranthene
Concen: 4.129 ng
RT: 23.027 min Scan# 2765
Delta R.T. -0.006 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23



Tgt Ion:252 Resp: 229112
Ion Ratio Lower Upper
252 100
253 23.3 18.9 28.3
125 12.2 12.1 18.1





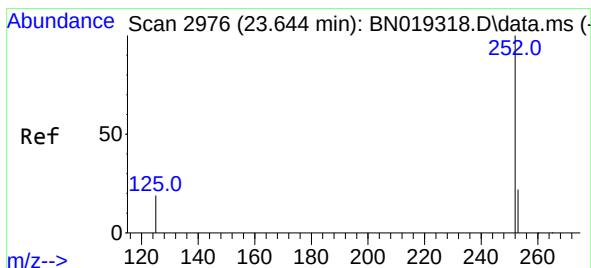
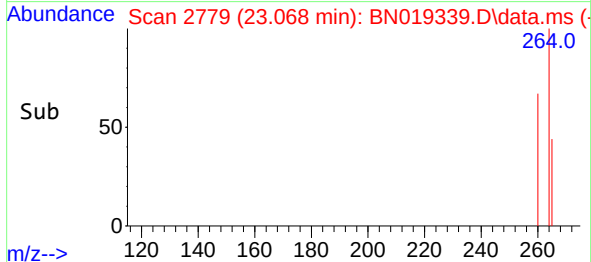
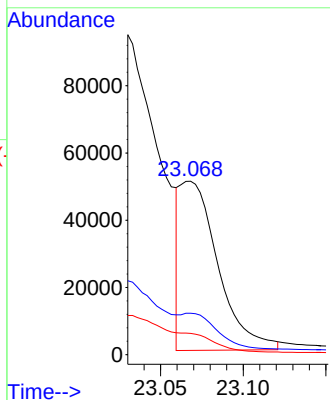
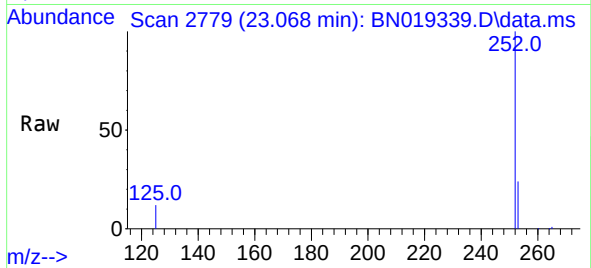
#38
Benzo(k)fluoranthene
Concen: 1.388 ng m
RT: 23.068 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

Instrument :
BNA_N
ClientSampleId :
A01015

Tgt Ion:252 Resp: 80500
Ion Ratio Lower Upper
252 100
253 23.9 18.9 28.3
125 12.2 10.3 15.5

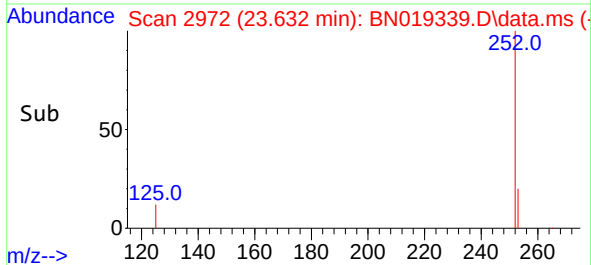
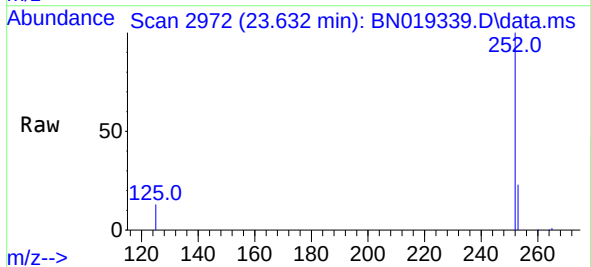
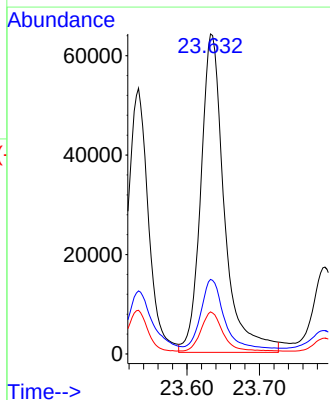
Manual Integrations
APPROVED

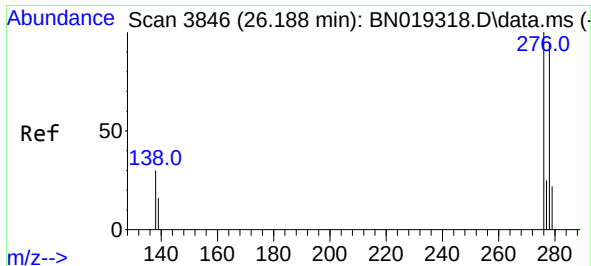
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#39
Benzo(a)pyrene
Concen: 2.905 ng m
RT: 23.632 min Scan# 2972
Delta R.T. -0.012 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

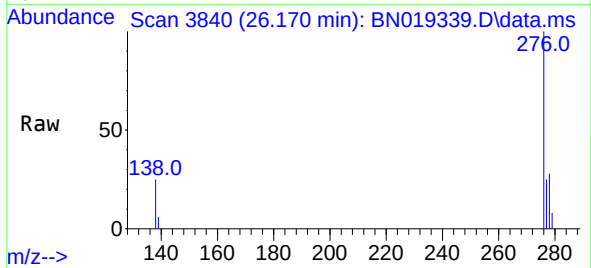
Tgt Ion:252 Resp: 144822
Ion Ratio Lower Upper
252 100
253 23.3 20.1 30.1
125 13.1 15.2 22.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.359 ng
RT: 26.170 min Scan# 3846
Delta R.T. -0.018 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23

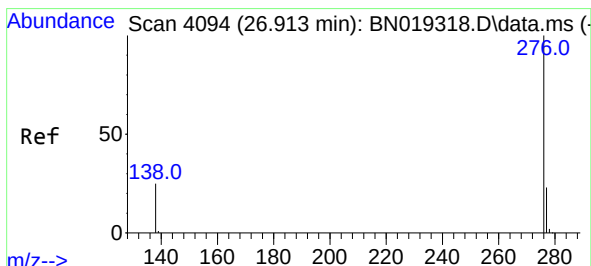
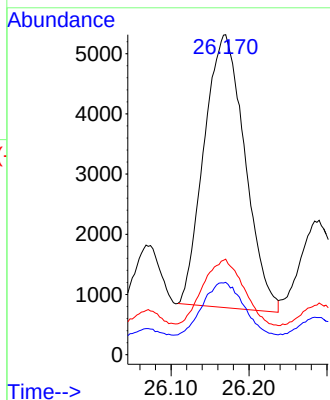
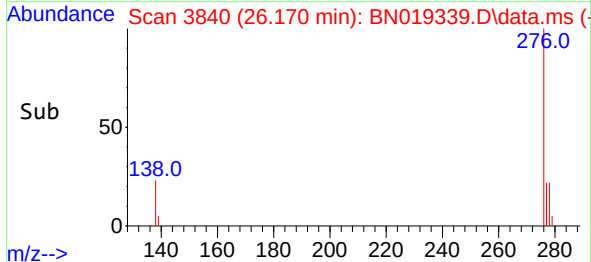
Instrument :
BNA_N
ClientSampleId :
A01015



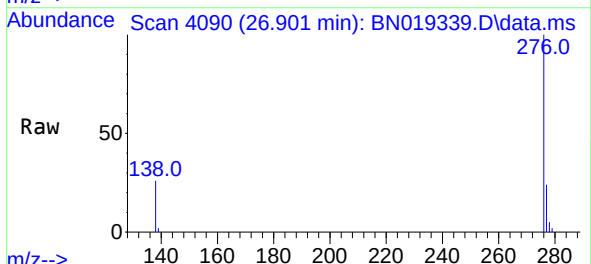
Tgt Ion: 278 Resp: 1646
Ion Ratio Lower Upper
278 100
139 22.6 17.2 25.8
279 29.8 19.9 29.9

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 04/05/2022
Supervised By : Jagrut Upadhyay 04/05/2022



#41
Benzo(g,h,i)perylene
Concen: 1.212 ng
RT: 26.901 min Scan# 4090
Delta R.T. -0.012 min
Lab File: BN019339.D
Acq: 05 Apr 2022 05:23



Tgt Ion: 276 Resp: 66577
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 25.6 21.0 31.6

