

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019351.D
 Acq On : 05 Apr 2022 15:52
 Operator : CG/JU
 Sample : N2220-04 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A11105

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/06/2022
 Supervised By : Jagrut Upadhyay 04/07/2022

Quant Time: Apr 06 02:31:30 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	7.826	152	2662	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	8019	0.400	ng	# 0.01
13) Acenaphthene-d10	14.463	164	5835	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	14100	0.400	ng	# 0.00
29) Chrysene-d12	21.387	240	14387	0.400	ng	# 0.00
35) Perylene-d12	23.741	264	14135	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	332	0.047	ng	0.00
5) Phenol-d6	7.002	99	298	0.035	ng	0.01
8) Nitrobenzene-d5	9.003	82	238	0.033	ng	0.02
11) 2-Methylnaphthalene-d10	12.231	152	640	0.045	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	116	0.033	ng	0.01
15) 2-Fluorobiphenyl	13.095	172	943	0.039	ng	0.00
27) Fluoranthene-d10	19.232	212	1261	0.028	ng	0.00
31) Terphenyl-d14	19.830	244	1114	0.036	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	4497	0.190	ng	# 94
12) 2-Methylnaphthalene	12.303	142	1519	0.093	ng	# 91
16) Acenaphthylene	14.185	152	2076	0.072	ng	98
17) Acenaphthene	14.527	154	3107	0.161	ng	99
18) Fluorene	15.511	166	6439	0.253	ng	97
25) Phenanthrene	17.246	178	94783	2.003	ng	100
26) Anthracene	17.338	178	15310	0.368	ng	99
28) Fluoranthene	19.265	202	134192	2.392	ng	99
30) Pyrene	19.628	202	103707	1.549	ng	# 95
32) Benzo(a)anthracene	21.378	228	55319	1.041	ng	99
33) Chrysene	21.422	228	55489	0.939	ng	97
34) Bis(2-ethylhexyl)phtha...	21.306	149	1009	0.026	ng	# 91
36) Indeno(1,2,3-cd)pyrene	26.162	276	26664	0.451	ng	# 89
37) Benzo(b)fluoranthene	23.027	252	68475	1.236	ng	98
38) Benzo(k)fluoranthene	23.068	252	25628m	0.443	ng	
39) Benzo(a)pyrene	23.636	252	42222m	0.848	ng	
40) Dibenzo(a,h)anthracene	26.170	278	6221	0.136	ng	# 84
41) Benzo(g,h,i)perylene	26.907	276	28242	0.515	ng	99

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

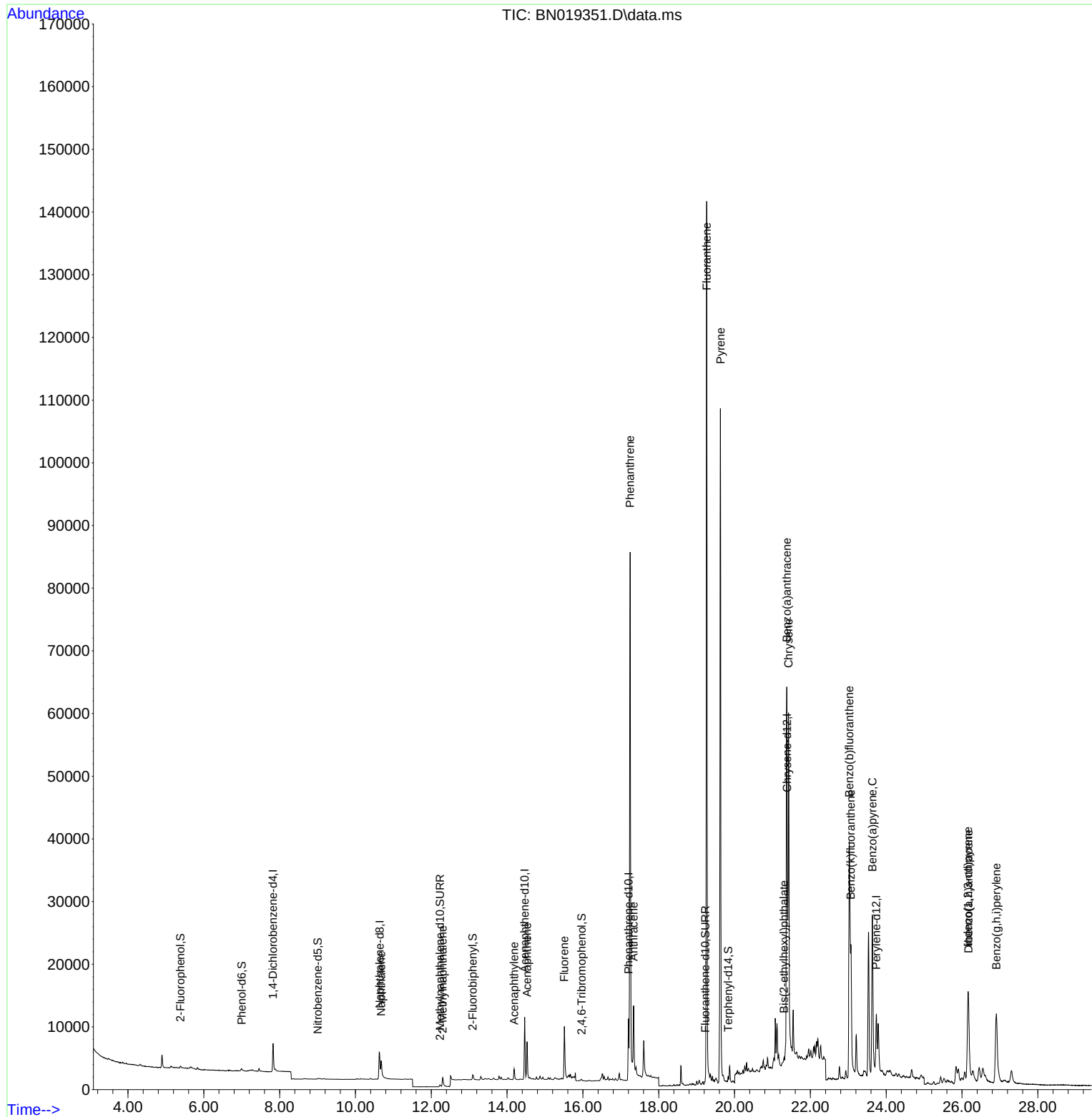
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
Data File : BN019351.D
Acq On : 05 Apr 2022 15:52
Operator : CG/JU
Sample : N2220-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

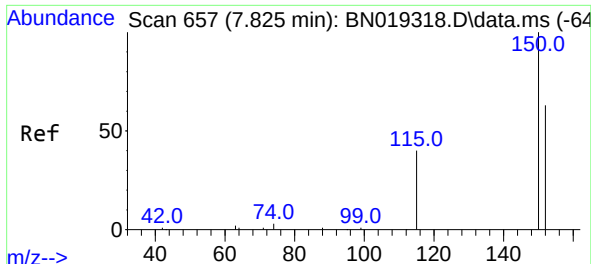
Instrument :
BNA_N
ClientSampleId :
A11105

Manual Integrations
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Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

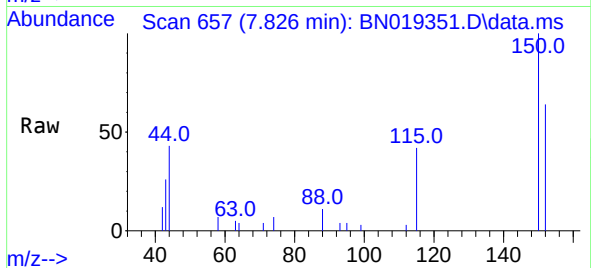
Quant Time: Apr 06 02:31:30 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 611
Delta R.T. 0.001 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

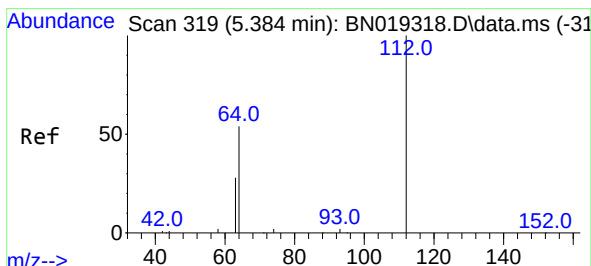
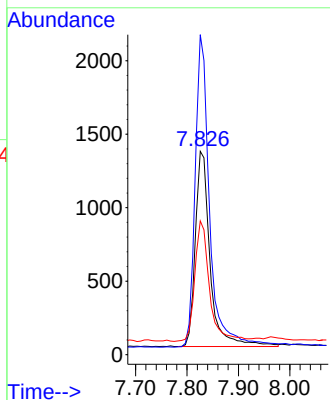
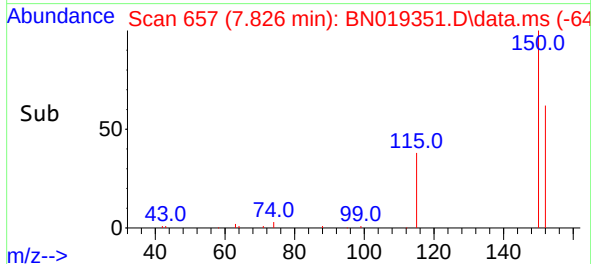
Instrument :
BNA_N
ClientSampleId :
A11105



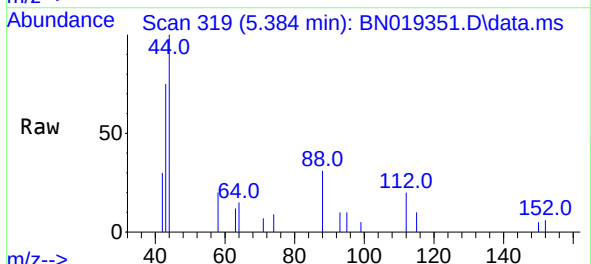
Tgt Ion:152 Resp: 266
Ion Ratio Lower Upper
152 100
150 157.3 123.9 185.9
115 65.8 48.2 72.4

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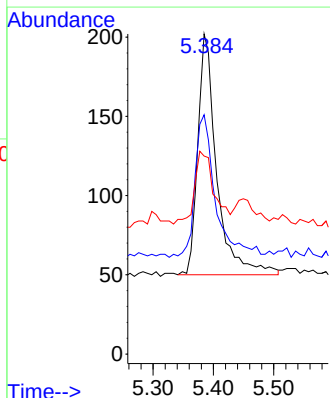
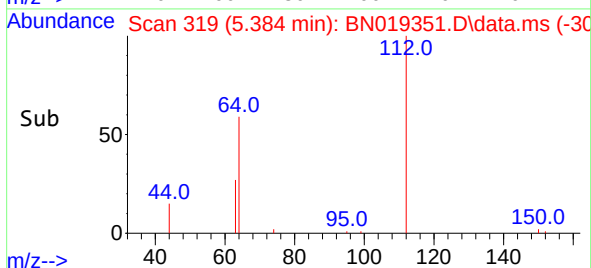
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

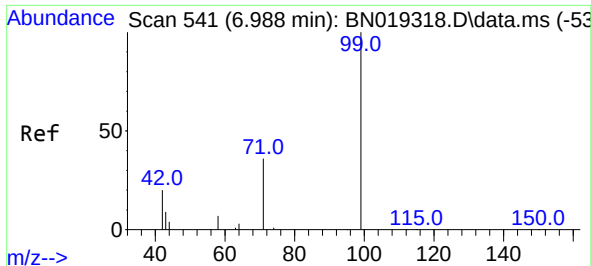


#4
2-Fluorophenol
Concen: 0.047 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52



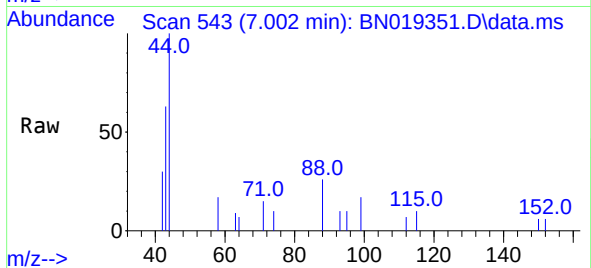
Tgt Ion:112 Resp: 332
Ion Ratio Lower Upper
112 100
64 64.5 47.8 71.8
63 31.0 25.7 38.5





#5
Phenol-d6
Concen: 0.035 ng
RT: 7.002 min Scan# 541
Delta R.T. 0.015 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

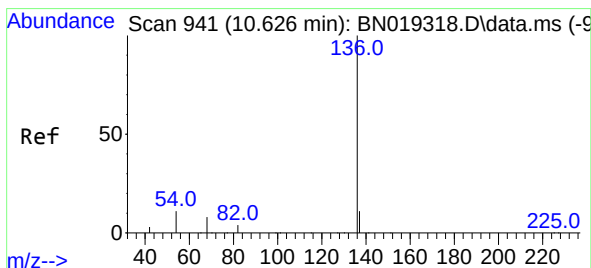
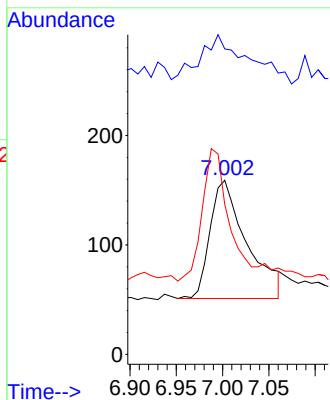
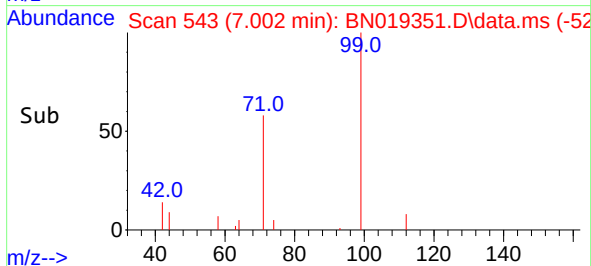
Instrument :
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ClientSampleId :
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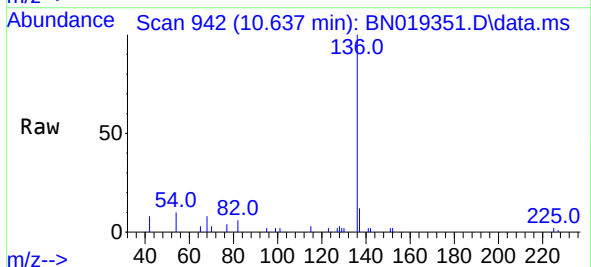
Tgt Ion: 99 Resp: 298
Ion Ratio Lower Upper
99 100
42 44.6 16.2 24.4
71 85.6 27.7 41.5

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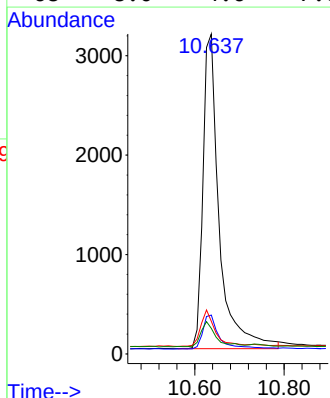
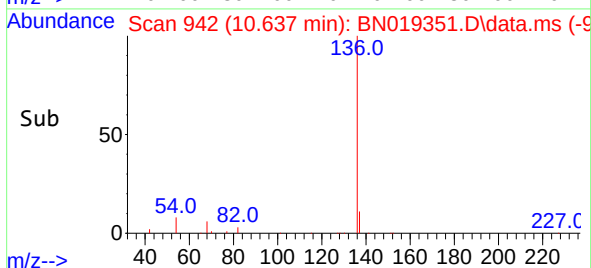
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

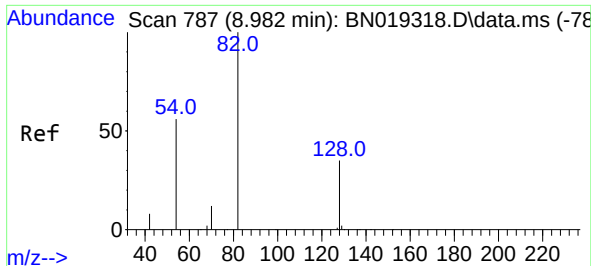


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. 0.011 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52



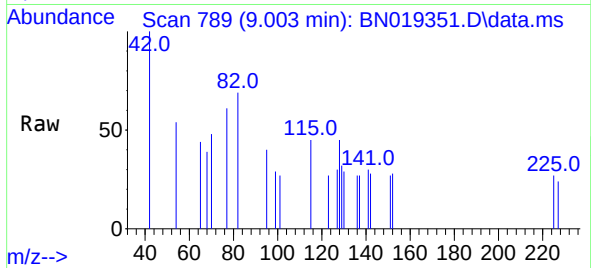
Tgt Ion:136 Resp: 8019
Ion Ratio Lower Upper
136 100
137 12.1 9.0 13.4
54 10.2 5.8 8.6#
68 8.0 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.033 ng
RT: 9.003 min Scan# 789
Delta R.T. 0.022 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

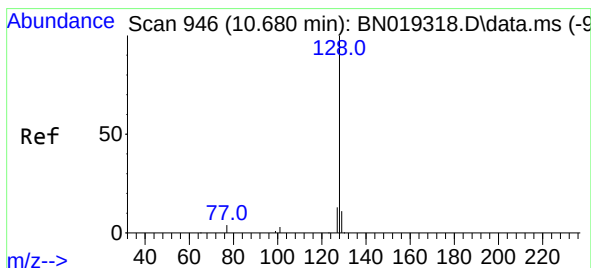
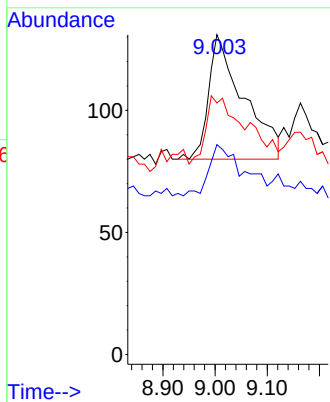
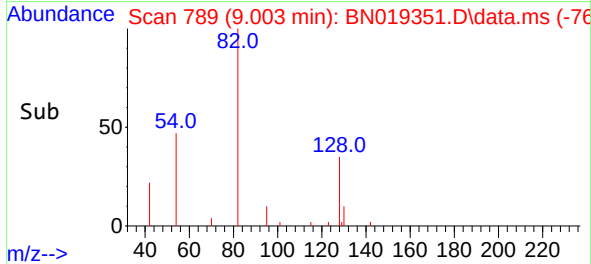
Instrument :
BNA_N
ClientSampleId :
A11105



Tgt Ion: 82 Resp: 238
Ion Ratio Lower Upper
82 100
128 65.6 33.0 49.6
54 78.6 42.5 63.7

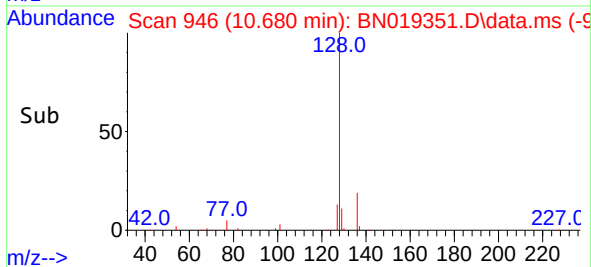
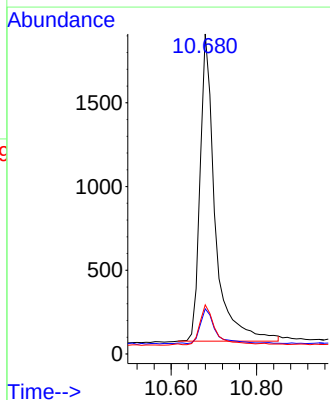
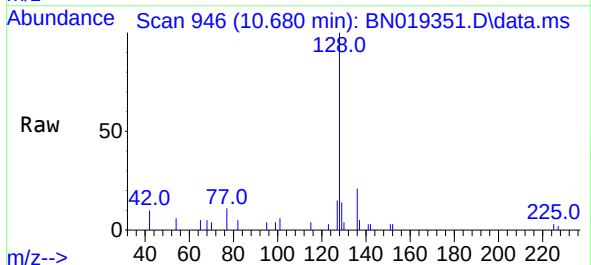
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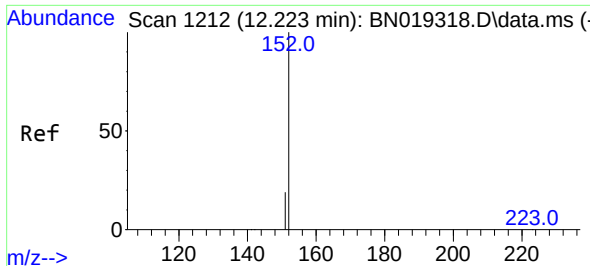
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#9
Naphthalene
Concen: 0.190 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

Tgt Ion:128 Resp: 4497
Ion Ratio Lower Upper
128 100
129 14.1 9.0 13.4
127 15.4 10.7 16.1





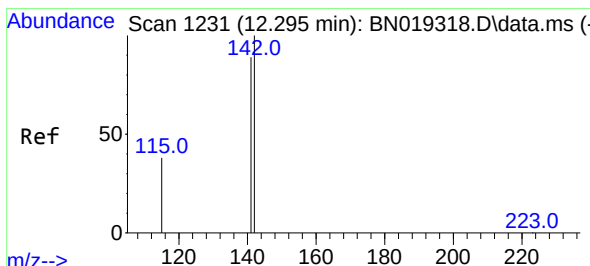
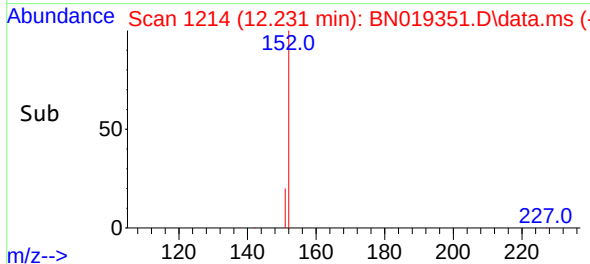
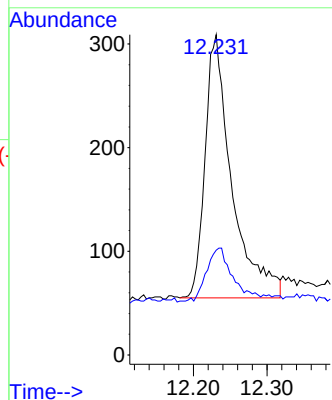
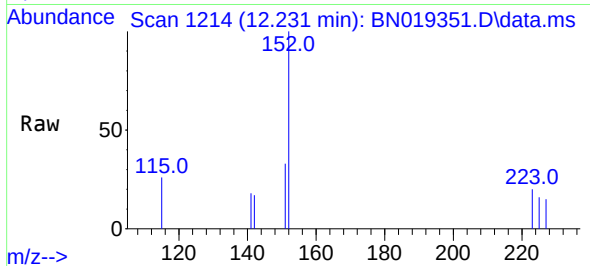
#11
2-Methylnaphthalene-d10
Concen: 0.045 ng
RT: 12.231 min Scan# 11
Delta R.T. 0.008 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

Instrument :
BNA_N
ClientSampleId :
A11105

Tgt Ion:152 Resp: 640
Ion Ratio Lower Upper
152 100
151 19.5 16.5 24.7

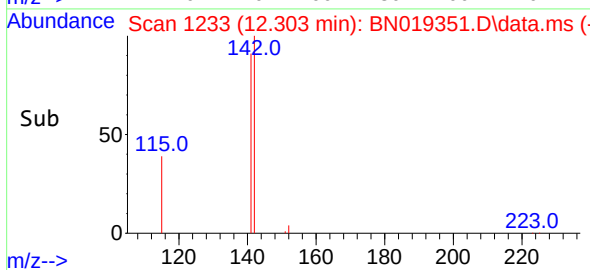
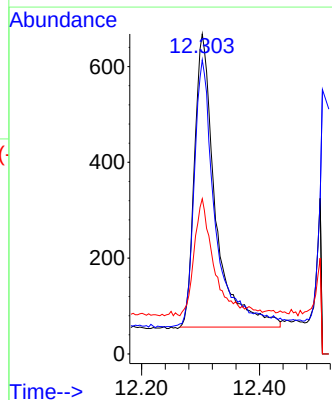
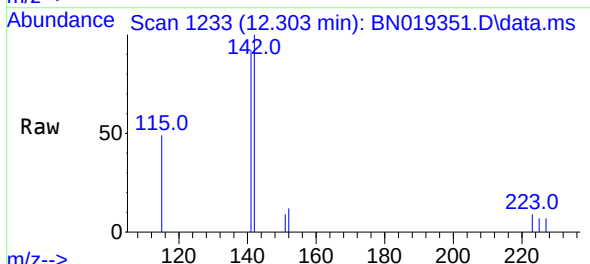
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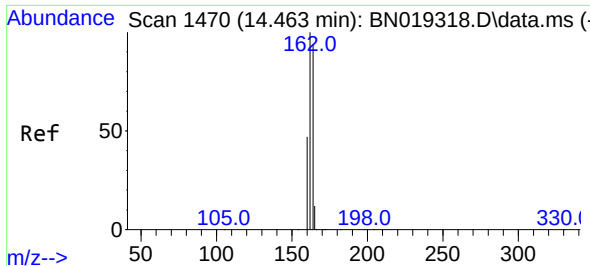
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#12
2-Methylnaphthalene
Concen: 0.093 ng
RT: 12.303 min Scan# 1233
Delta R.T. 0.008 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

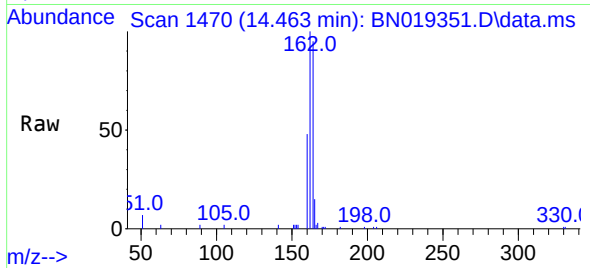
Tgt Ion:142 Resp: 1519
Ion Ratio Lower Upper
142 100
141 91.9 70.0 105.0
115 48.5 29.8 44.8#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

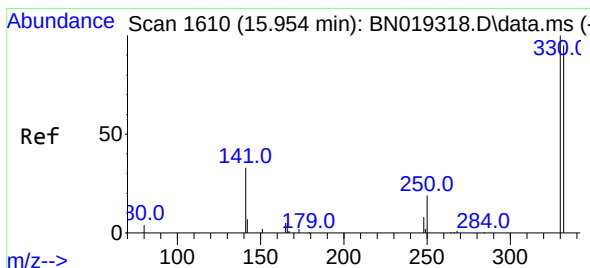
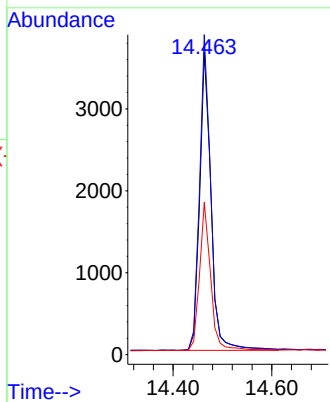
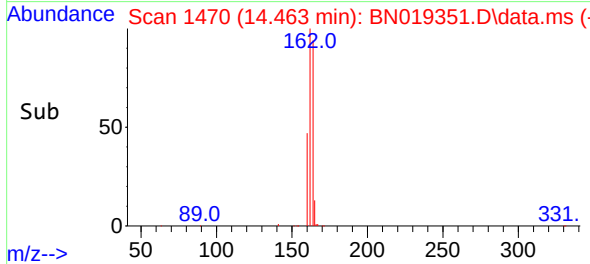
Instrument :
BNA_N
ClientSampleId :
A11105



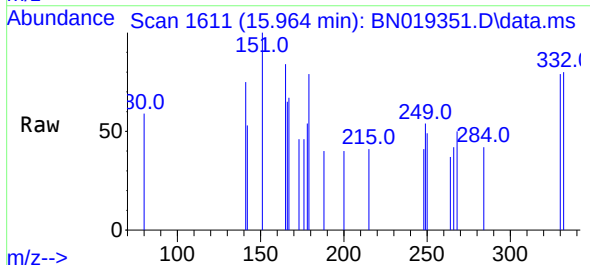
Tgt Ion:164 Resp: 583
Ion Ratio Lower Upper
164 100
162 105.7 85.2 127.8
160 50.3 41.5 62.3

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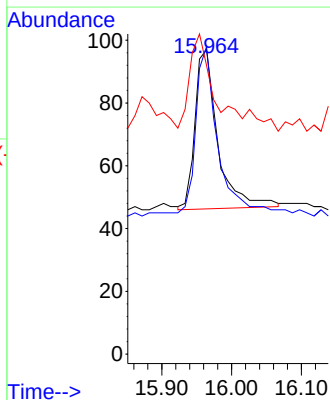
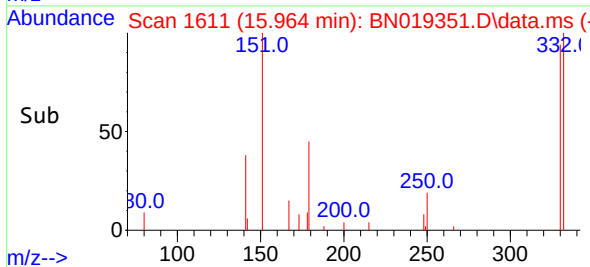
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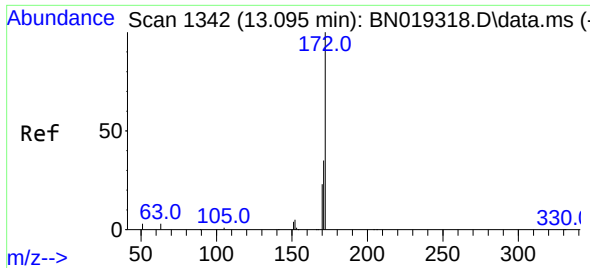


#14
2,4,6-Tribromophenol
Concen: 0.033 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.010 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52



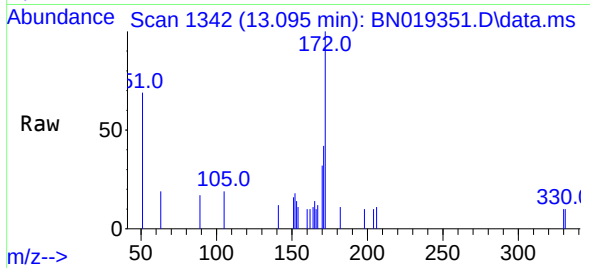
Tgt Ion:330 Resp: 116
Ion Ratio Lower Upper
330 100
332 97.4 76.8 115.2
141 72.4 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.039 ng
RT: 13.095 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

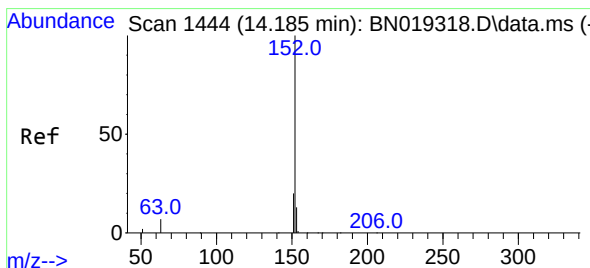
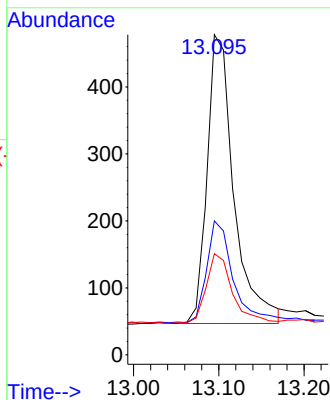
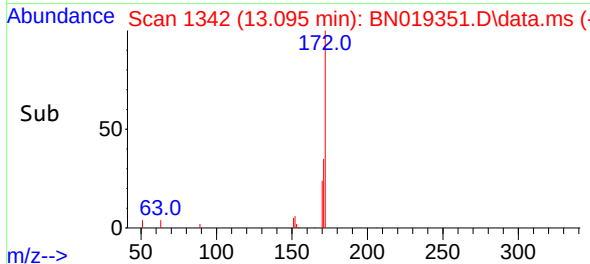
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Tgt Ion:	172	Resp:	94
Ion	Ratio	Lower	Upper
172	100		
171	41.8	28.2	42.2
170	31.6	18.7	28.1

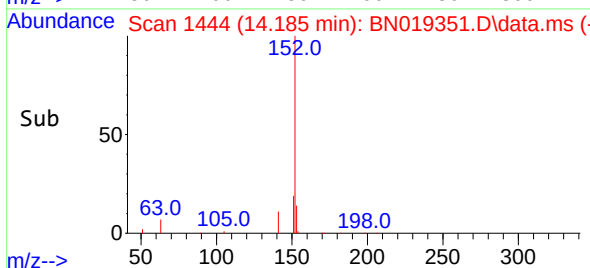
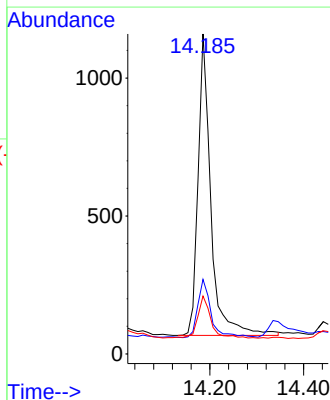
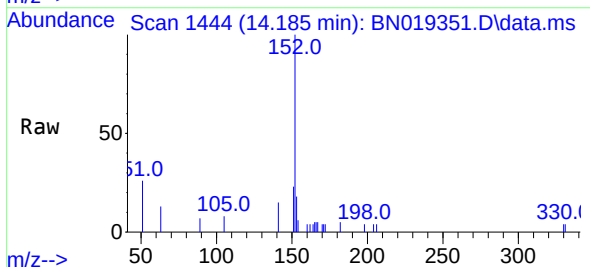
Manual Integrations
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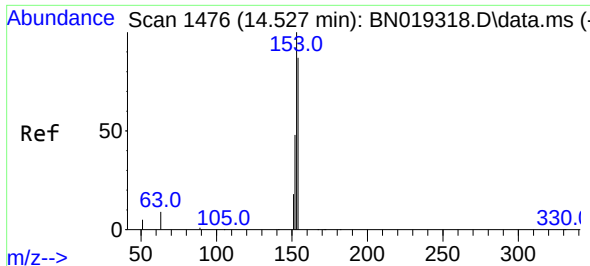
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#16
Acenaphthylene
Concen: 0.072 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

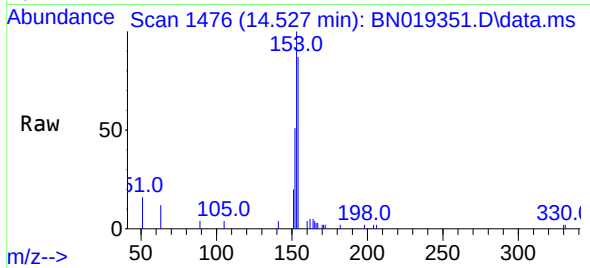
Tgt Ion:	152	Resp:	2076
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	14.5	10.6	15.8





#17
Acenaphthene
Concen: 0.161 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

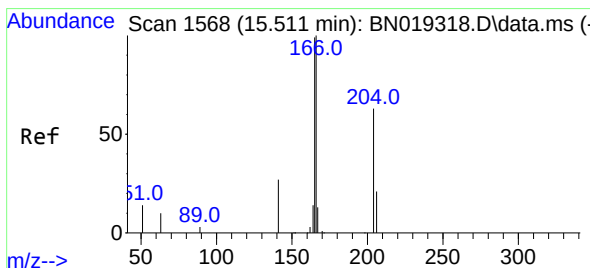
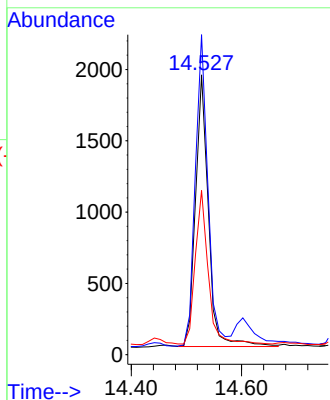
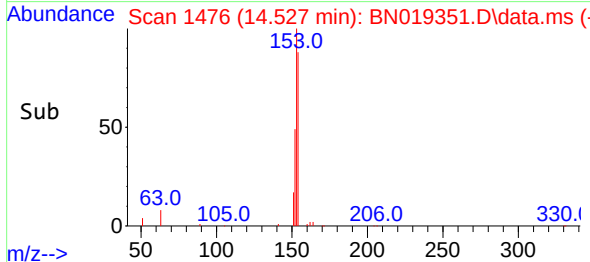
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Tgt Ion:154 Resp: 310
Ion Ratio Lower Upper
154 100
153 110.3 89.7 134.5
152 56.2 44.7 67.1

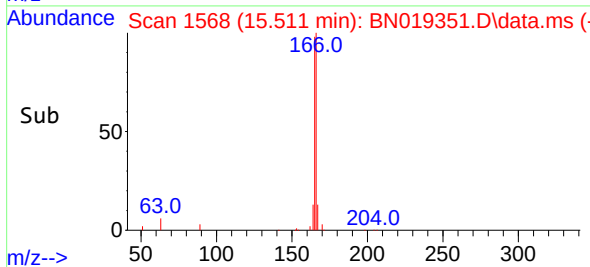
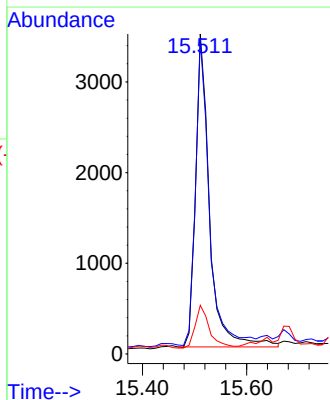
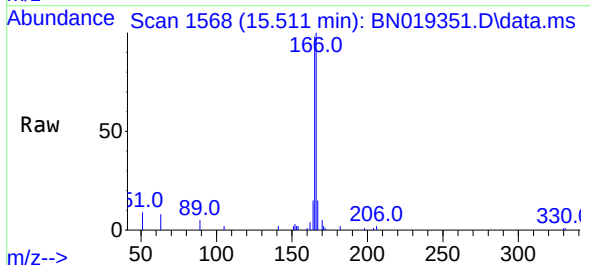
Manual Integrations
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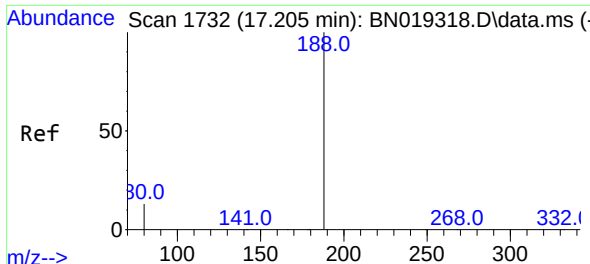
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#18
Fluorene
Concen: 0.253 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

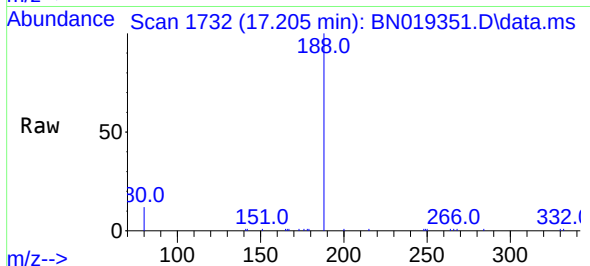
Tgt Ion:166 Resp: 6439
Ion Ratio Lower Upper
166 100
165 96.0 79.2 118.8
167 13.9 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

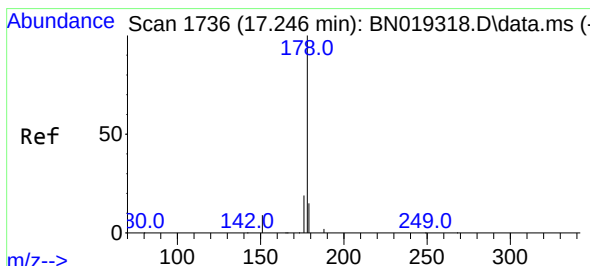
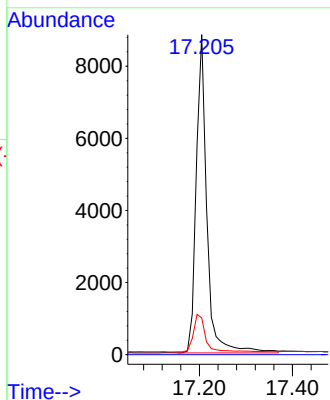
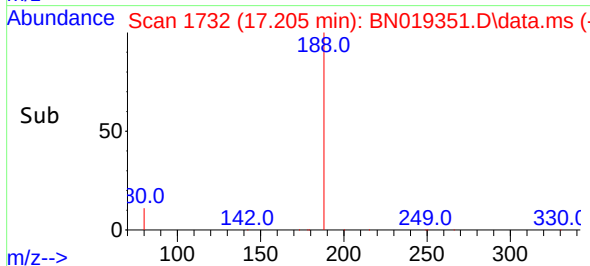
Instrument :
BNA_N
ClientSampleId :
A11105



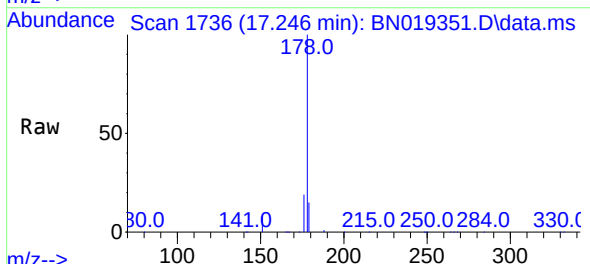
Tgt Ion:188 Resp: 14100
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.5 11.8 17.8

Manual Integrations
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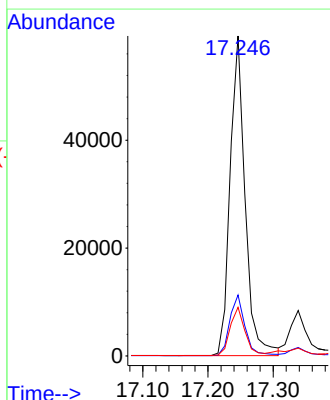
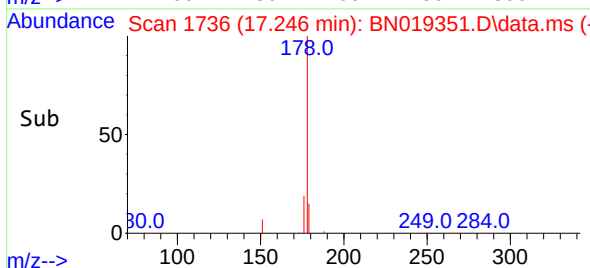
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

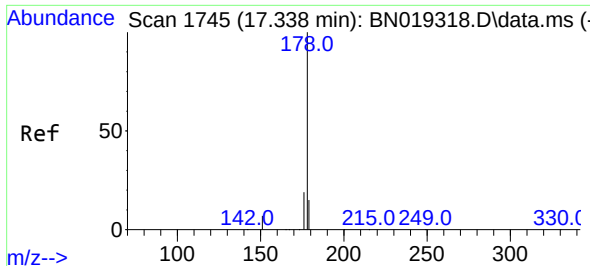


#25
Phenanthrene
Concen: 2.003 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52



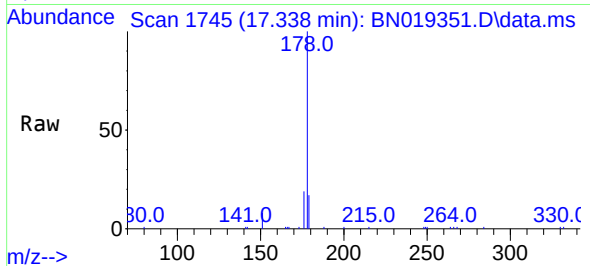
Tgt Ion:178 Resp: 94783
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.0 12.2 18.2





#26
 Anthracene
 Concen: 0.368 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019351.D
 Acq: 05 Apr 2022 15:52

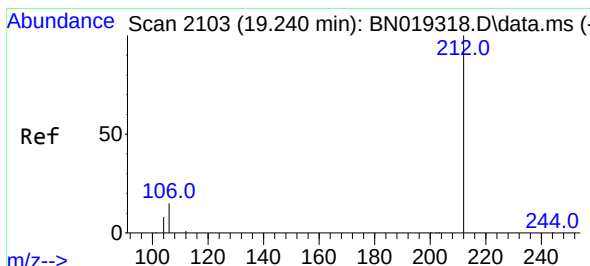
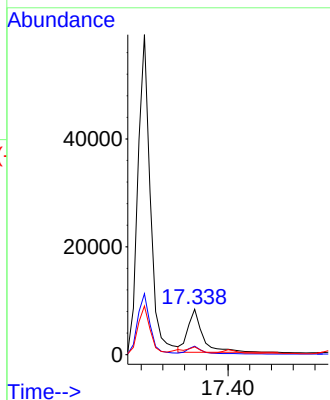
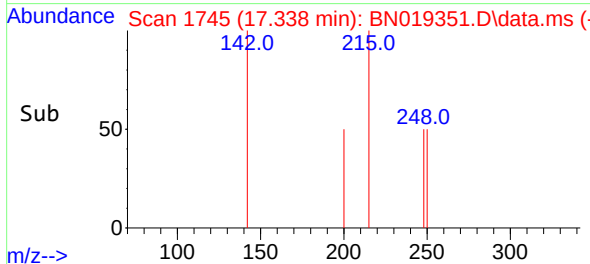
Instrument :
 BNA_N
 ClientSampleId :
 A11105



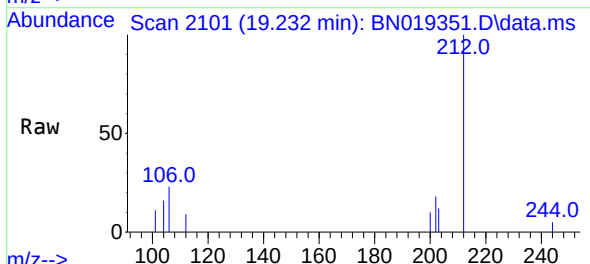
Tgt Ion:178 Resp: 15310
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 16.1 12.2 18.4

Manual Integrations
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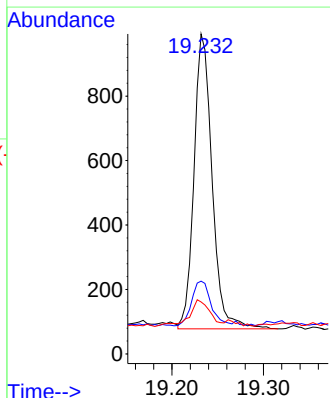
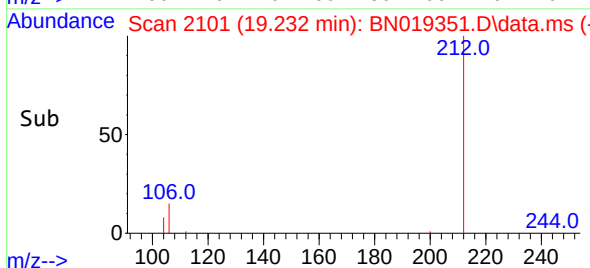
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/07/2022

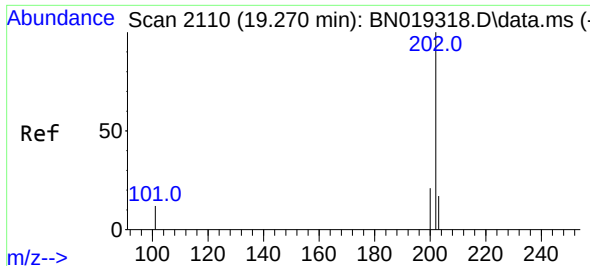


#27
 Fluoranthene-d10
 Concen: 0.028 ng
 RT: 19.232 min Scan# 2101
 Delta R.T. -0.008 min
 Lab File: BN019351.D
 Acq: 05 Apr 2022 15:52



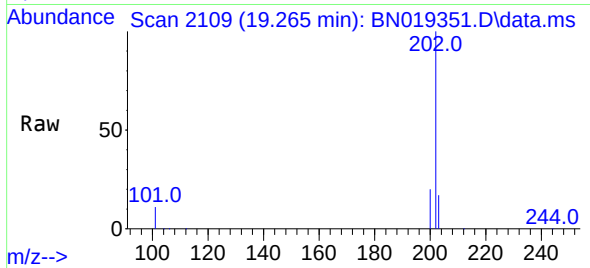
Tgt Ion:212 Resp: 1261
 Ion Ratio Lower Upper
 212 100
 106 16.2 12.7 19.1
 104 10.4 7.1 10.7





#28
Fluoranthene
Concen: 2.392 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

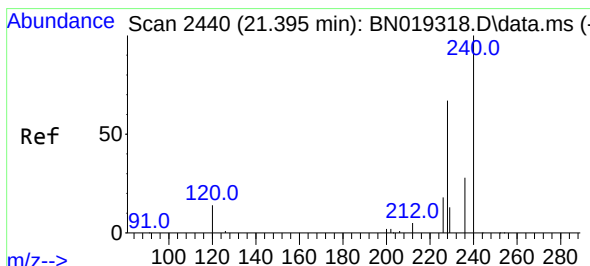
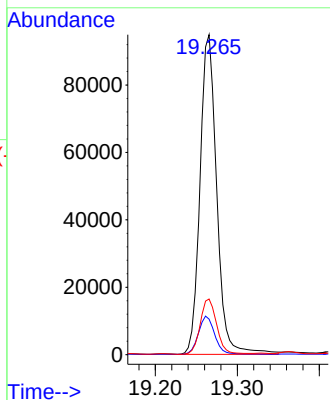
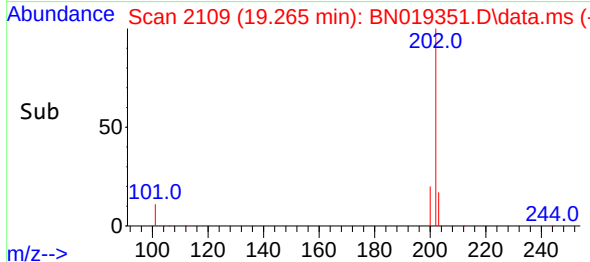
Instrument :
BNA_N
ClientSampleId :
A11105



Tgt Ion:202 Resp: 134192
Ion Ratio Lower Upper
202 100
101 11.8 9.8 14.6
203 17.0 13.7 20.5

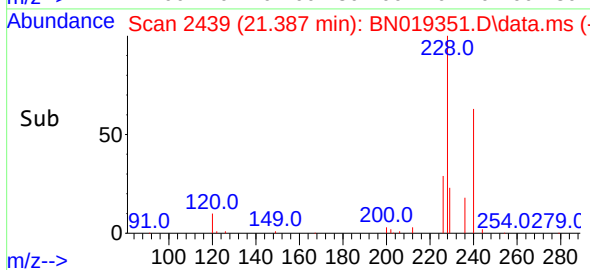
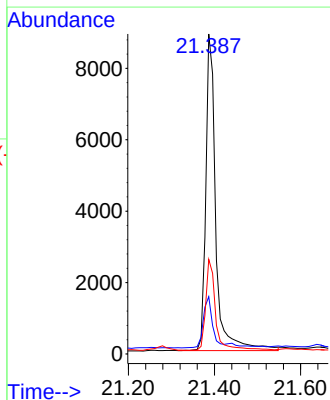
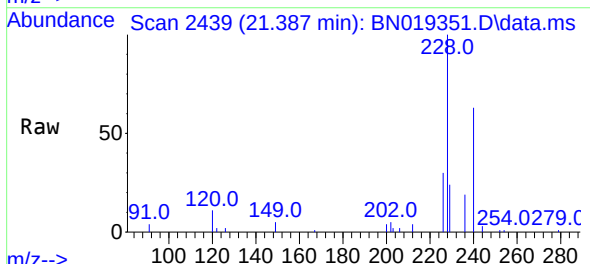
Manual Integrations
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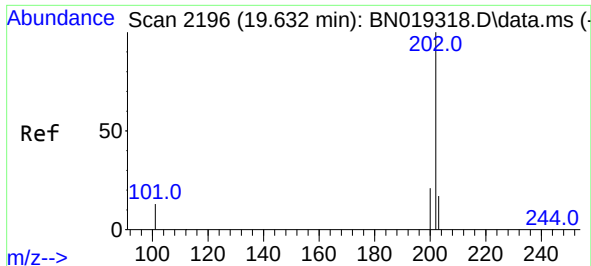
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.387 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

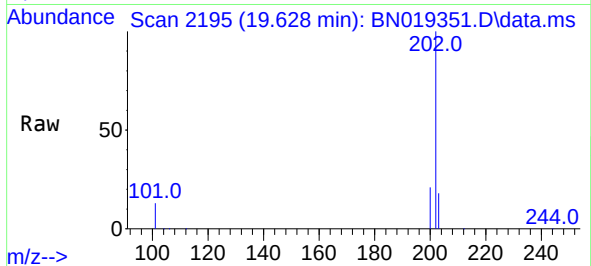
Tgt Ion:240 Resp: 14387
Ion Ratio Lower Upper
240 100
120 17.9 8.5 12.7#
236 29.6 22.4 33.6





#30
Pyrene
Concen: 1.549 ng
RT: 19.628 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

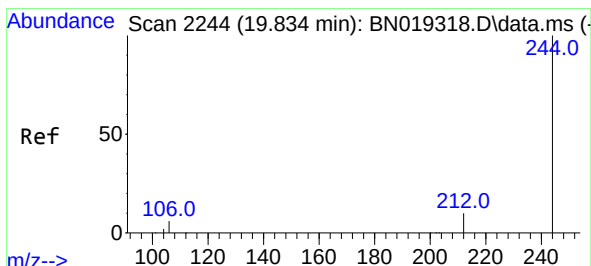
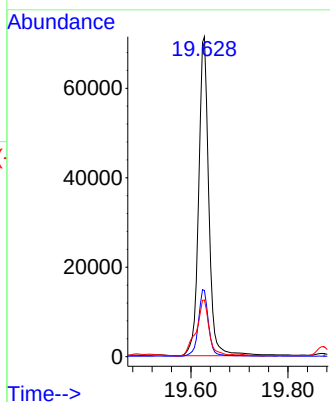
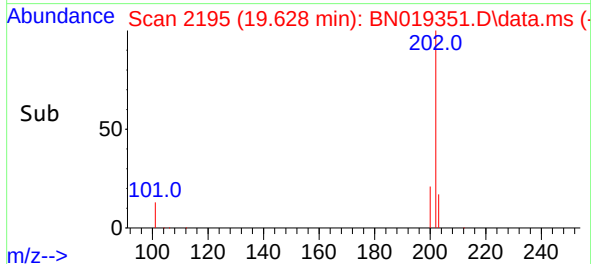
Instrument :
BNA_N
ClientSampleId :
A11105



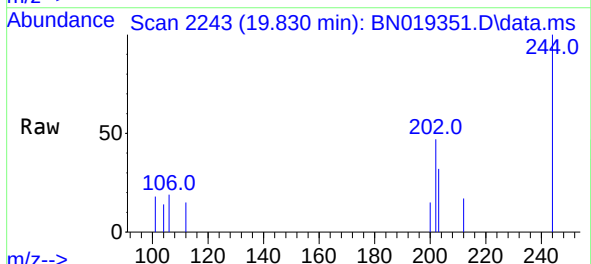
Tgt Ion:202 Resp: 10370
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 22.1 14.2 21.2

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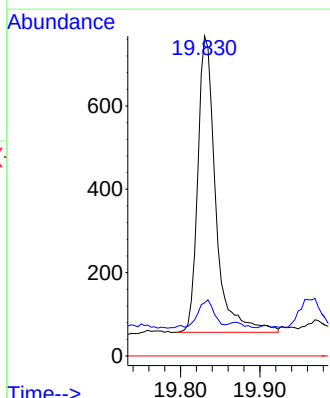
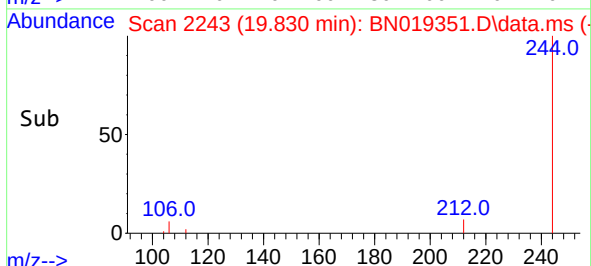
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

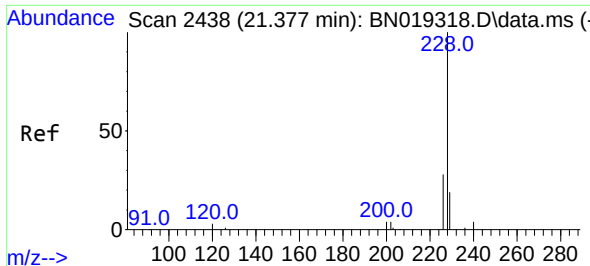


#31
Terphenyl-d14
Concen: 0.036 ng
RT: 19.830 min Scan# 2243
Delta R.T. -0.004 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52



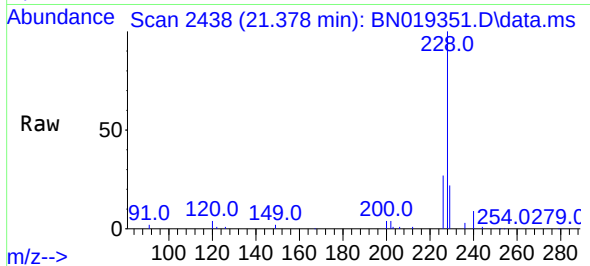
Tgt Ion:244 Resp: 1114
Ion Ratio Lower Upper
244 100
212 16.7 8.2 12.4
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.041 ng
RT: 21.378 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

Instrument :
BNA_N
ClientSampleId :
A11105

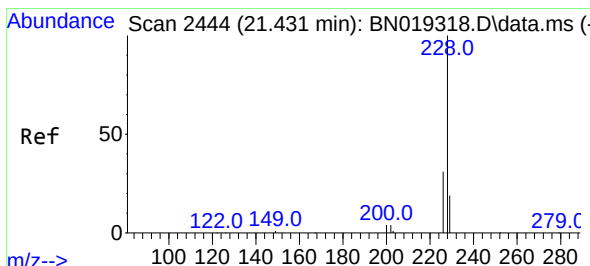
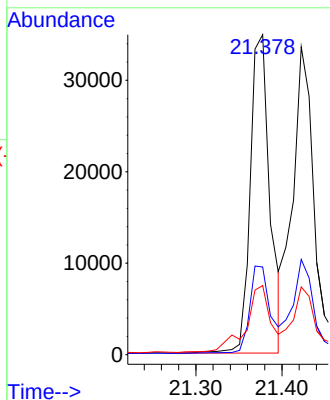
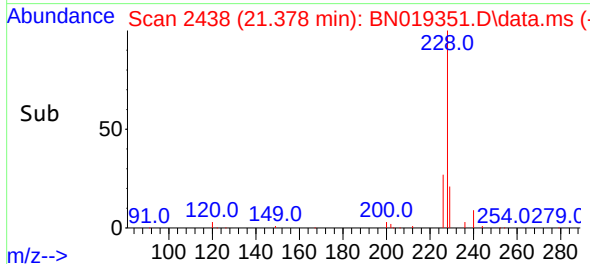


Tgt Ion:228 Resp: 55319

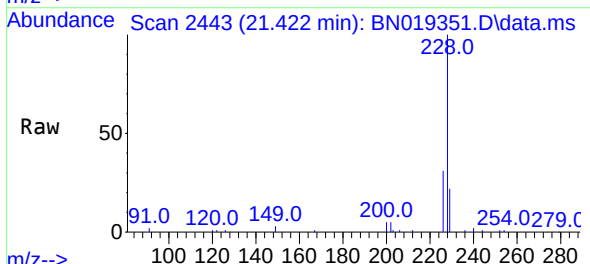
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	21.6	16.0	24.0

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Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

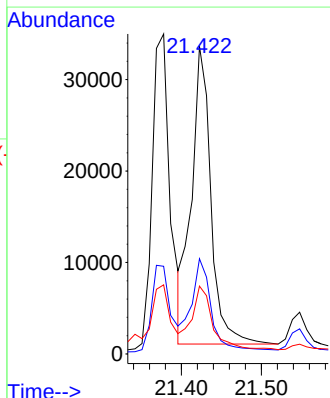
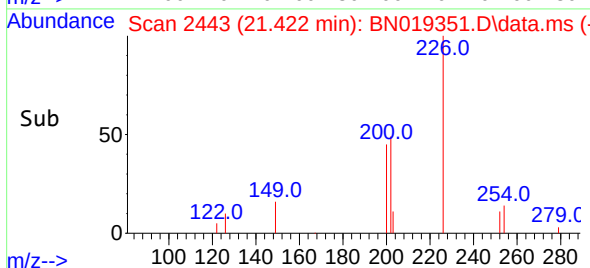


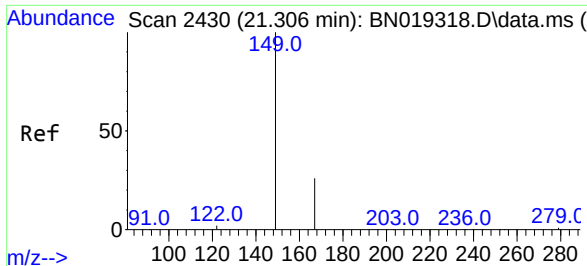
#33
Chrysene
Concen: 0.939 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52



Tgt Ion:228 Resp: 55489

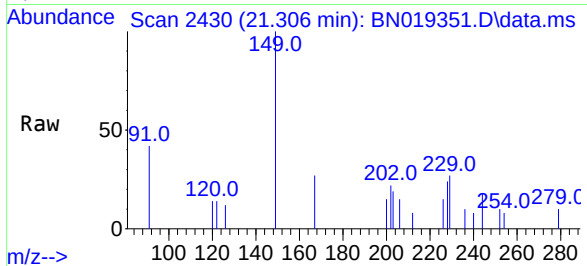
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.0	36.0
229	22.1	15.9	23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.026 ng
RT: 21.306 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

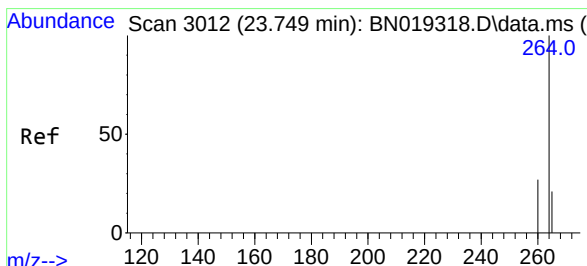
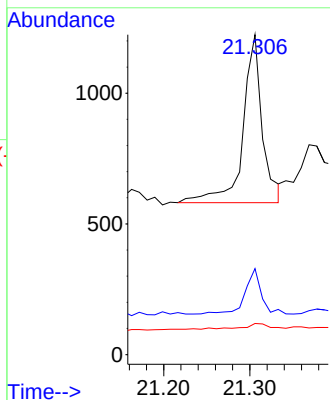
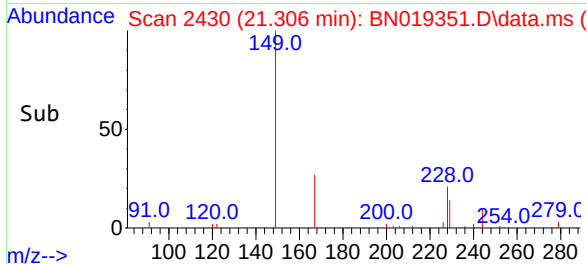
Instrument :
BNA_N
ClientSampleId :
A11105



Tgt Ion:149 Resp: 1000
Ion Ratio Lower Upper
149 100
167 22.5 21.8 32.8
279 4.9 2.0 3.0

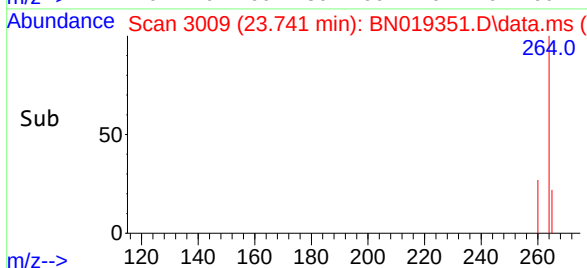
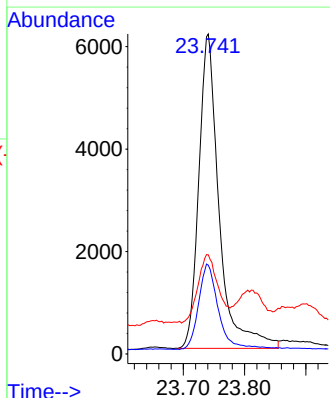
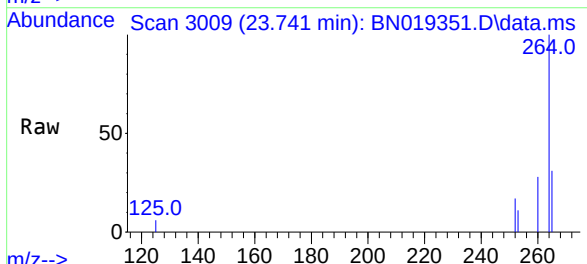
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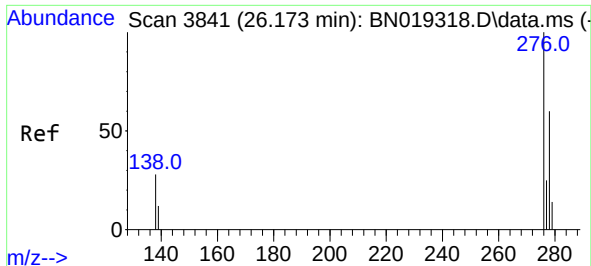
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 3009
Delta R.T. -0.009 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

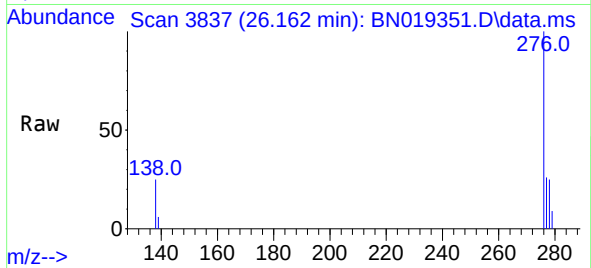
Tgt Ion:264 Resp: 14135
Ion Ratio Lower Upper
264 100
260 27.8 22.4 33.6
265 31.0 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.451 ng
RT: 26.162 min Scan# 30
Delta R.T. -0.012 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

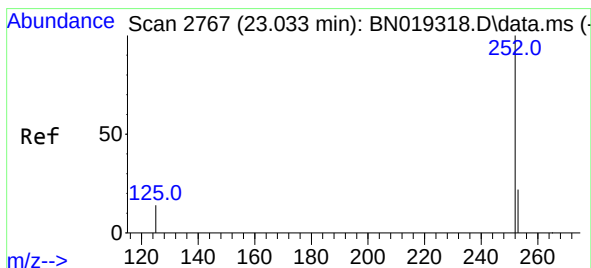
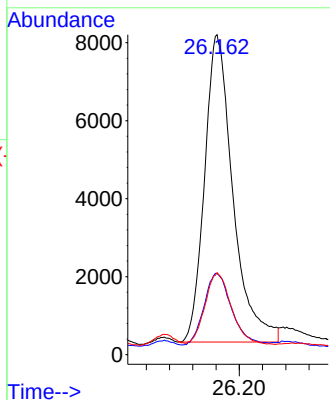
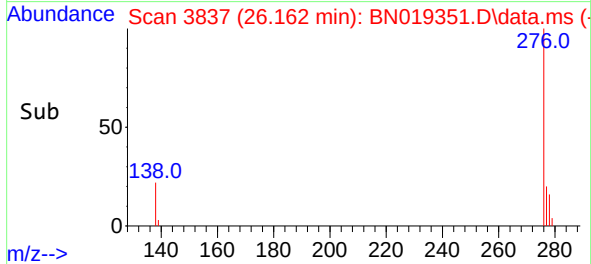
Instrument :
BNA_N
ClientSampleId :
A11105



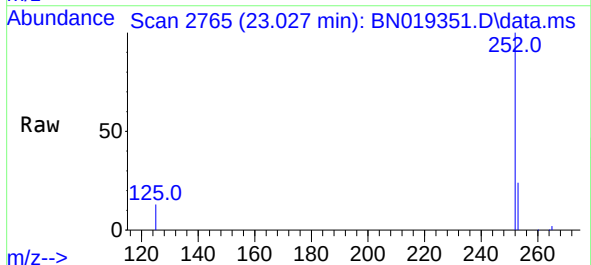
Tgt Ion:276 Resp: 26664
Ion Ratio Lower Upper
276 100
138 22.5 24.5 36.7
277 21.7 19.8 29.8

Manual Integrations
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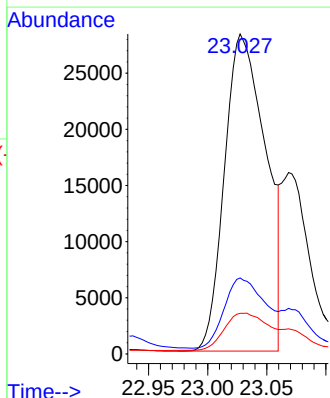
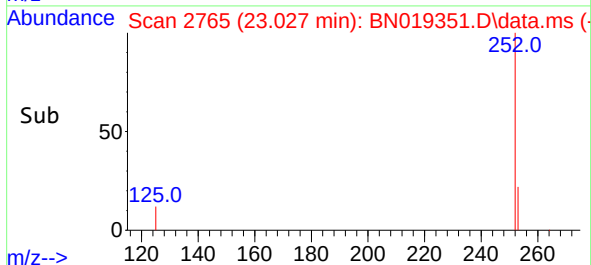
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

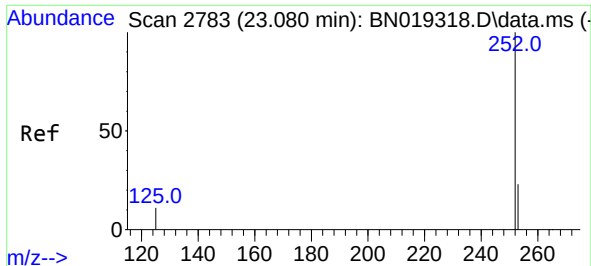


#37
Benzo(b)fluoranthene
Concen: 1.236 ng
RT: 23.027 min Scan# 2765
Delta R.T. -0.006 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52



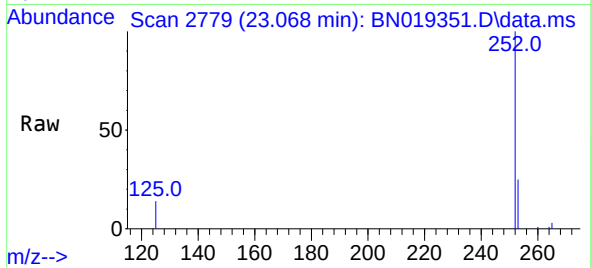
Tgt Ion:252 Resp: 68475
Ion Ratio Lower Upper
252 100
253 23.7 18.9 28.3
125 12.7 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 0.443 ng m
RT: 23.068 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

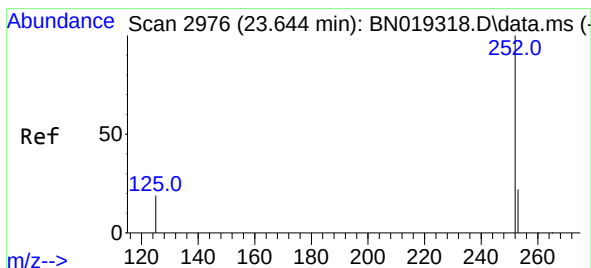
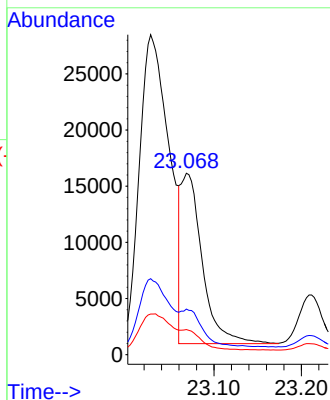
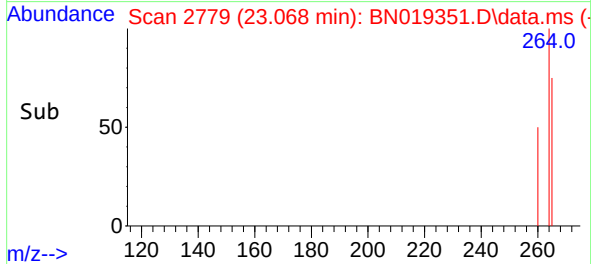
Instrument :
BNA_N
ClientSampleId :
A11105



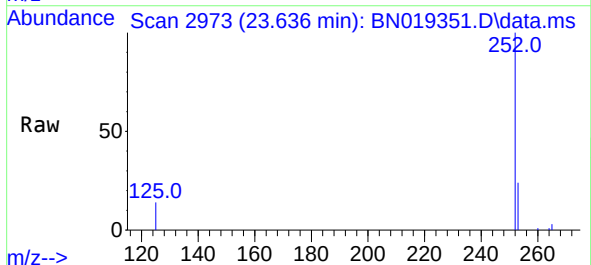
Tgt Ion:252 Resp: 25628
Ion Ratio Lower Upper
252 100
253 25.1 18.9 28.3
125 13.9 10.3 15.5

Manual Integrations
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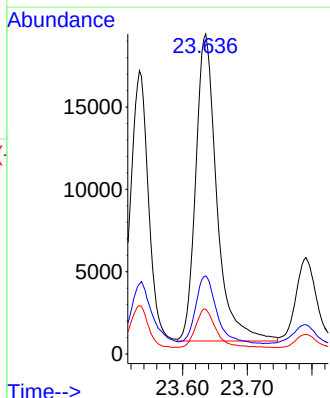
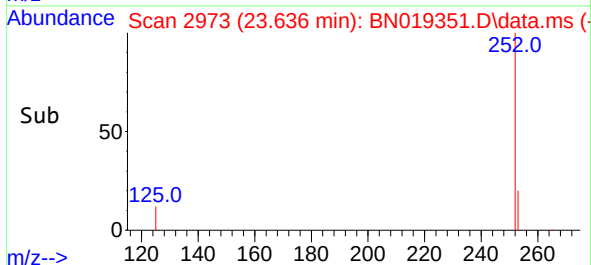
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

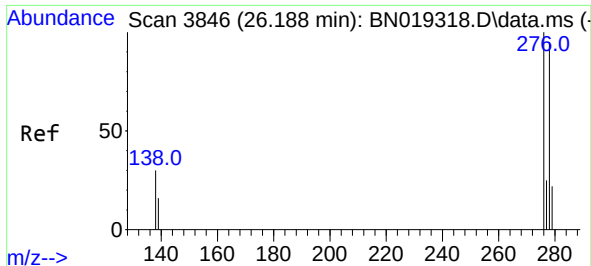


#39
Benzo(a)pyrene
Concen: 0.848 ng m
RT: 23.636 min Scan# 2973
Delta R.T. -0.009 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52



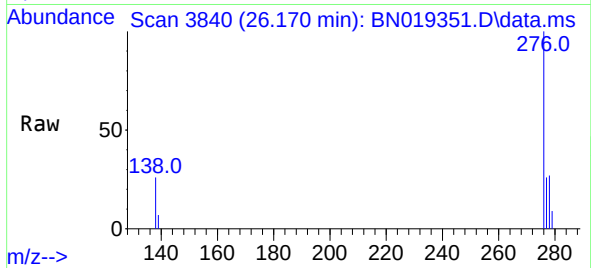
Tgt Ion:252 Resp: 42222
Ion Ratio Lower Upper
252 100
253 24.4 20.1 30.1
125 14.0 15.2 22.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.136 ng
RT: 26.170 min Scan# 3846
Delta R.T. -0.017 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52

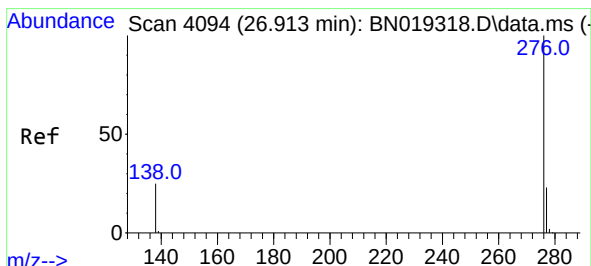
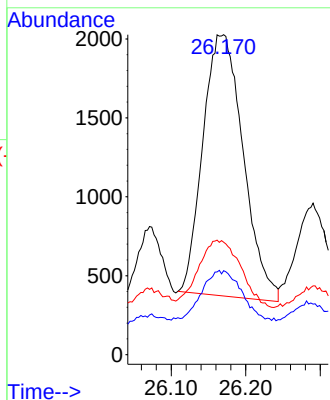
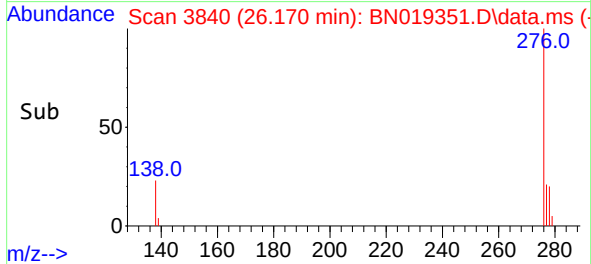
Instrument :
BNA_N
ClientSampleId :
A11105



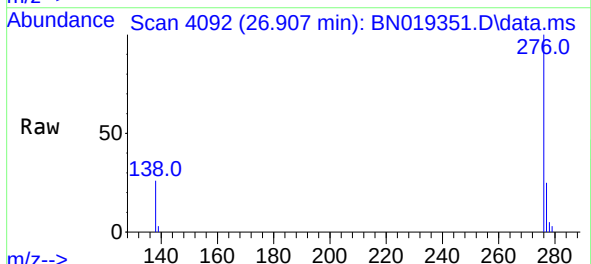
Tgt Ion: 278 Resp: 622
Ion Ratio Lower Upper
278 100
139 26.2 17.2 25.8
279 35.1 19.9 29.9

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 04/06/2022
Supervised By : Jagrut Upadhyay 04/07/2022



#41
Benzo(g,h,i)perylene
Concen: 0.515 ng
RT: 26.907 min Scan# 4092
Delta R.T. -0.006 min
Lab File: BN019351.D
Acq: 05 Apr 2022 15:52



Tgt Ion: 276 Resp: 28242
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.0
138 26.1 21.0 31.6

