

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040622\
 Data File : BN019371.D
 Acq On : 06 Apr 2022 15:32
 Operator : CG/JU
 Sample : N2220-14DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A06015DL

Manual Integrations
 APPROVED

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

Quant Time: Apr 07 05:28:23 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 04 17:40:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	3461	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	11723	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	8301	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	18059	0.400	ng	# 0.00
29) Chrysene-d12	21.395	240	17344	0.400	ng	0.00
35) Perylene-d12	23.741	264	16212	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.377	112	322	0.035	ng	0.00
5) Phenol-d6	6.988	99	413	0.037	ng	0.00
8) Nitrobenzene-d5	8.982	82	311	0.029	ng	0.00
11) 2-Methylnaphthalene-d10	12.219	152	774	0.038	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	164	0.033	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	1153	0.033	ng	0.00
27) Fluoranthene-d10	19.236	212	2080	0.036	ng	0.00
31) Terphenyl-d14	19.834	244	1413	0.037	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	2329	0.067	ng	# 90
12) 2-Methylnaphthalene	12.295	142	1451	0.060	ng	# 95
16) Acenaphthylene	14.185	152	6385	0.155	ng	100
17) Acenaphthene	14.527	154	3178	0.116	ng	98
18) Fluorene	15.511	166	4543	0.126	ng	# 97
25) Phenanthrene	17.246	178	101806	1.680	ng	100
26) Anthracene	17.338	178	17795	0.334	ng	98
28) Fluoranthene	19.265	202	186124	2.590	ng	100
30) Pyrene	19.628	202	163819	2.030	ng	# 96
32) Benzo(a)anthracene	21.377	228	76127	1.188	ng	97
33) Chrysene	21.422	228	81386	1.143	ng	97
34) Bis(2-ethylhexyl)phtha...	21.306	149	4910	0.103	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.167	276	39368	0.580	ng	# 89
37) Benzo(b)fluoranthene	23.027	252	101496	1.598	ng	98
38) Benzo(k)fluoranthene	23.071	252	38886m	0.586	ng	
39) Benzo(a)pyrene	23.635	252	63971m	1.121	ng	
40) Dibenzo(a,h)anthracene	26.176	278	8114	0.155	ng	# 81
41) Benzo(g,h,i)perylene	26.910	276	41402	0.658	ng	98

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

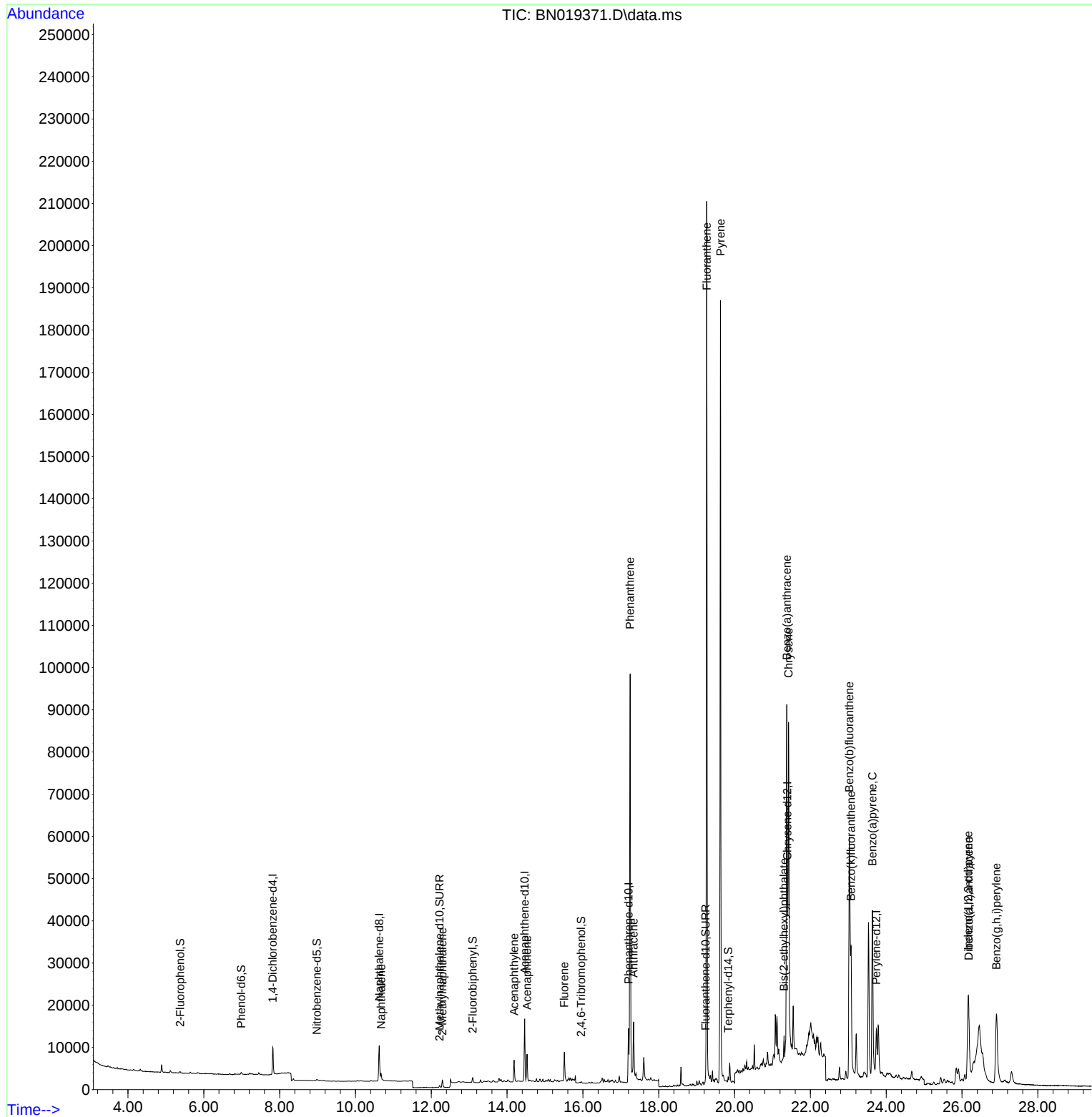
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040622\
Data File : BN019371.D
Acq On : 06 Apr 2022 15:32
Operator : CG/JU
Sample : N2220-14DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A06015DL

Manual Integrations
APPROVED

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

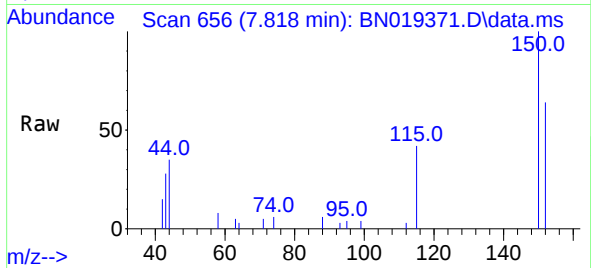
Quant Time: Apr 07 05:28:23 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

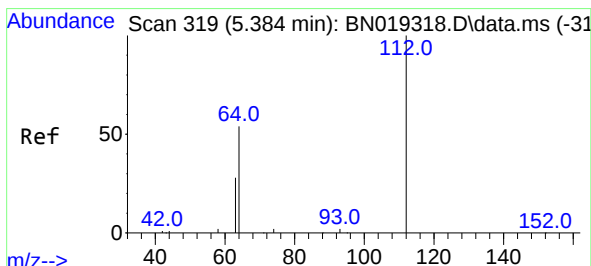
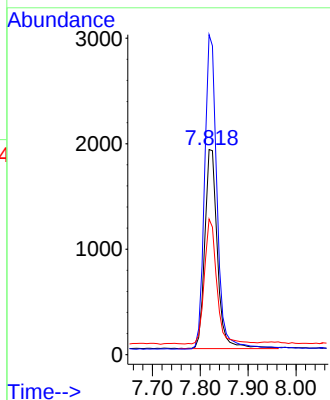
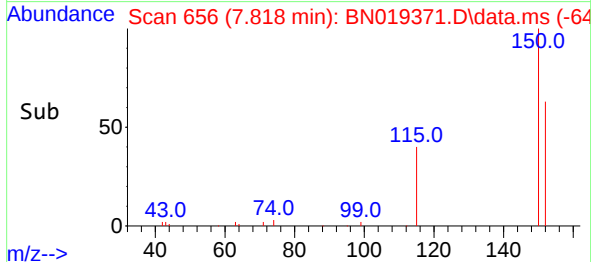
Instrument :
BNA_N
ClientSampleId :
A06015DL



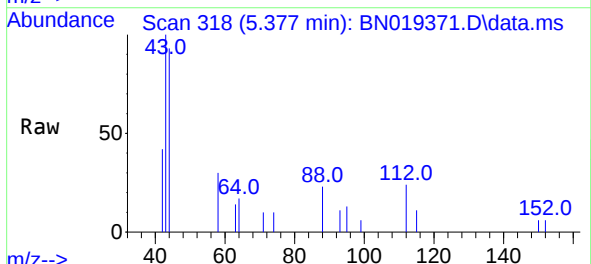
Tgt Ion:152 Resp: 346
Ion Ratio Lower Upper
152 100
150 156.0 123.9 185.9
115 66.1 48.2 72.4

Manual Integrations
APPROVED

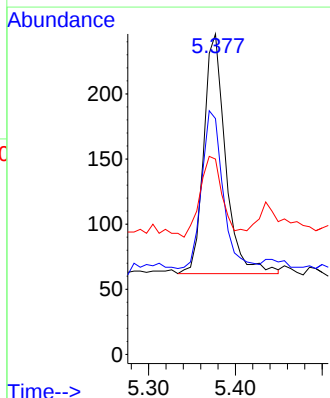
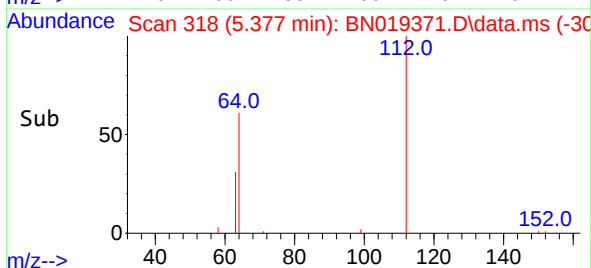
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022



#4
2-Fluorophenol
Concen: 0.035 ng
RT: 5.377 min Scan# 318
Delta R.T. -0.007 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



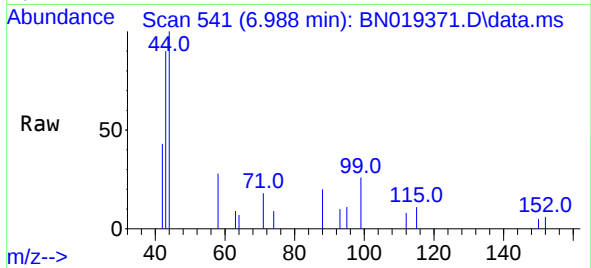
Tgt Ion:112 Resp: 322
Ion Ratio Lower Upper
112 100
64 64.0 47.8 71.8
63 35.4 25.7 38.5





#5
Phenol-d6
Concen: 0.037 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

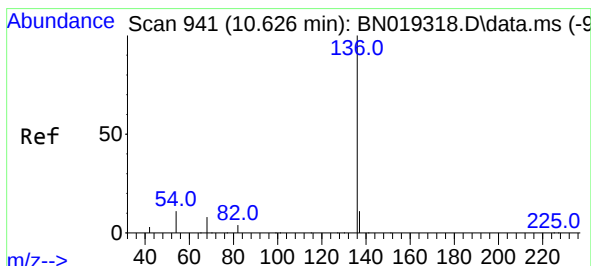
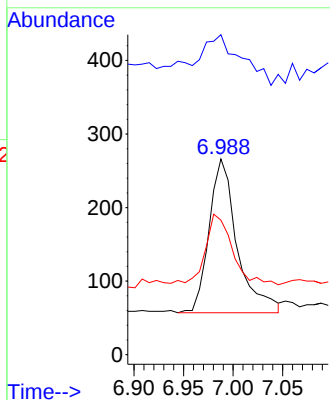
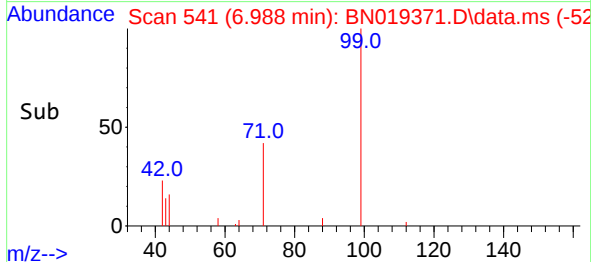
Instrument :
BNA_N
ClientSampleId :
A06015DL



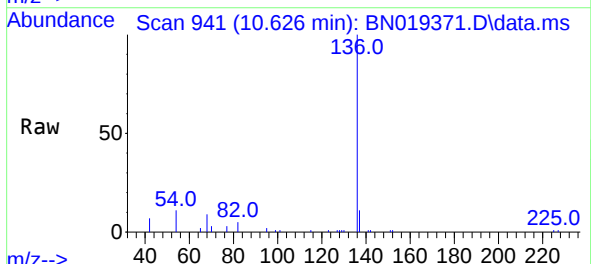
Tgt Ion: 99 Resp: 411
Ion Ratio Lower Upper
99 100
42 53.8 16.2 24.4#
71 46.2 27.7 41.5#

Manual Integrations
APPROVED

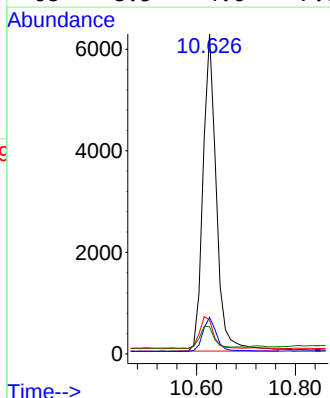
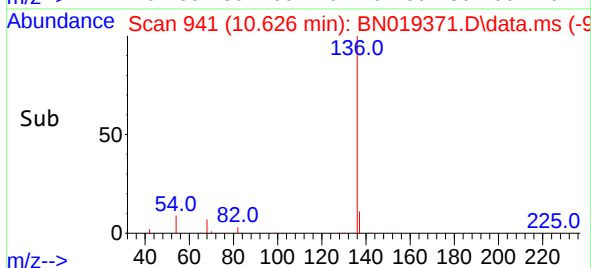
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



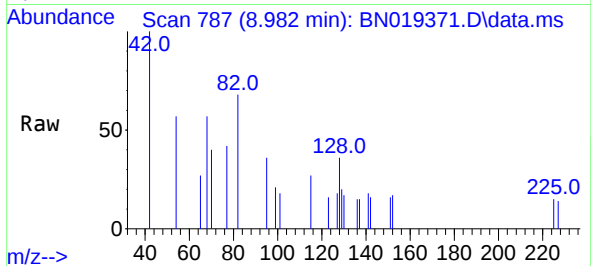
Tgt Ion:136 Resp: 11723
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 10.6 5.8 8.6#
68 8.5 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.029 ng
RT: 8.982 min Scan# 787
Delta R.T. 0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

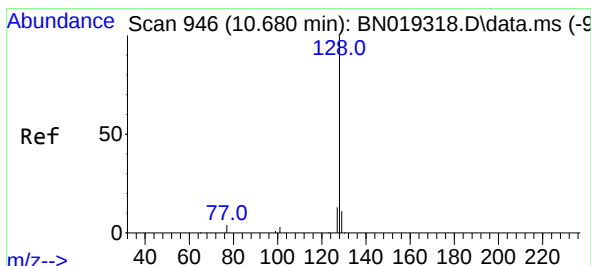
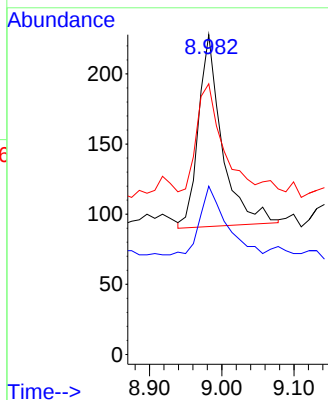
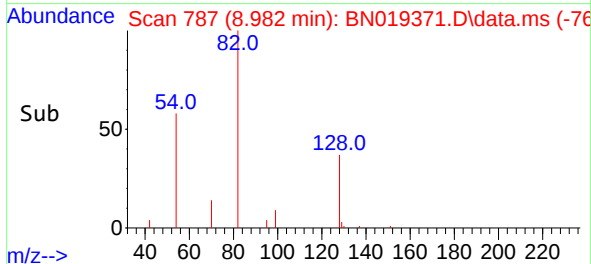
Instrument :
BNA_N
ClientSampleId :
A06015DL



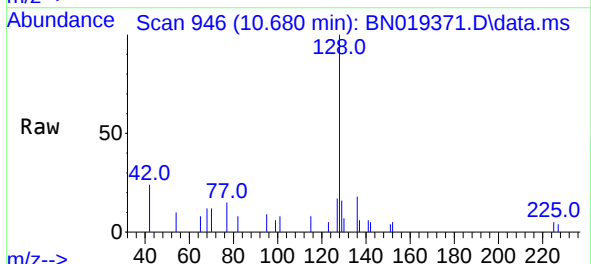
Tgt Ion: 82 Resp: 311
Ion Ratio Lower Upper
82 100
128 52.6 33.0 49.6#
54 84.6 42.5 63.7#

Manual Integrations
APPROVED

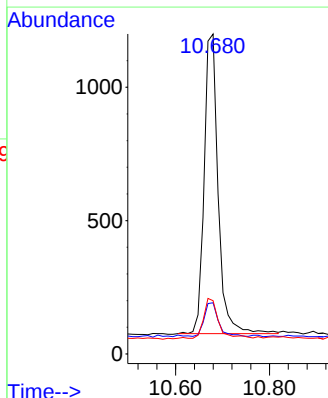
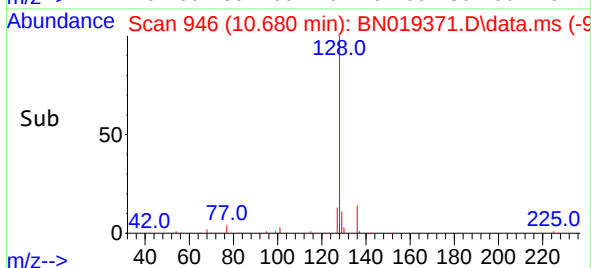
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

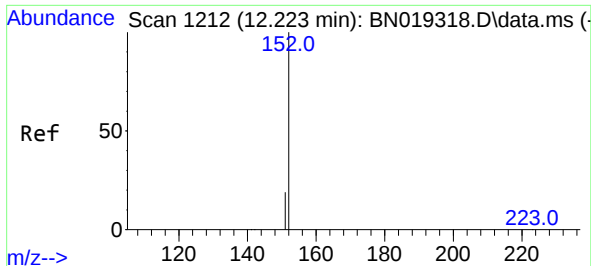


#9
Naphthalene
Concen: 0.067 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



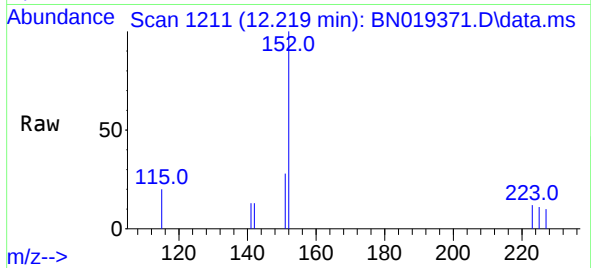
Tgt Ion:128 Resp: 2329
Ion Ratio Lower Upper
128 100
129 16.0 9.0 13.4#
127 16.7 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.038 ng
RT: 12.219 min Scan# 1211
Delta R.T. -0.004 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

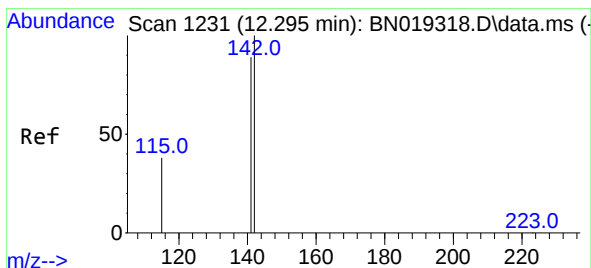
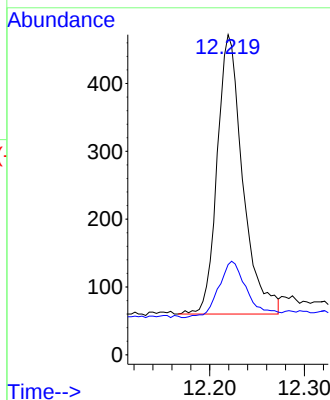
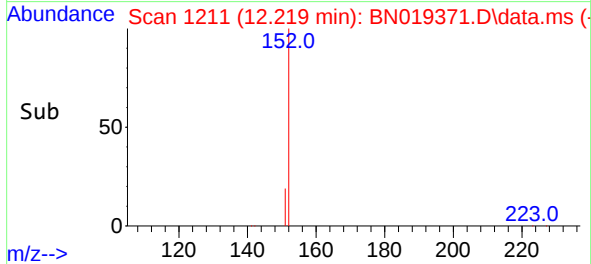
Instrument :
BNA_N
ClientSampleId :
A06015DL



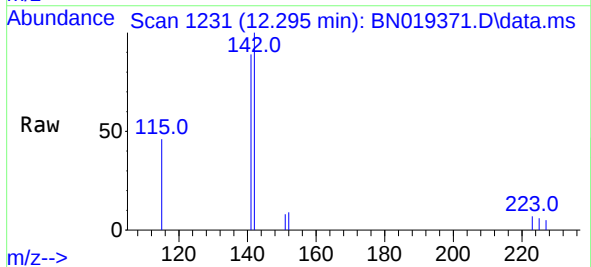
Tgt Ion:152 Resp: 774
Ion Ratio Lower Upper
152 100
151 22.6 16.5 24.7

Manual Integrations
APPROVED

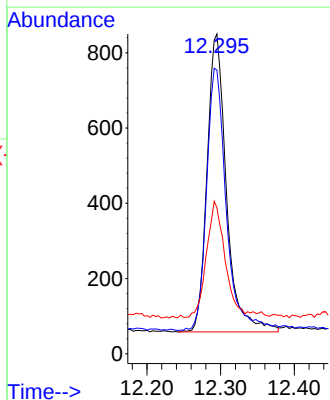
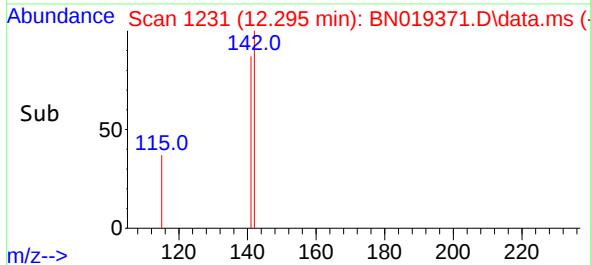
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

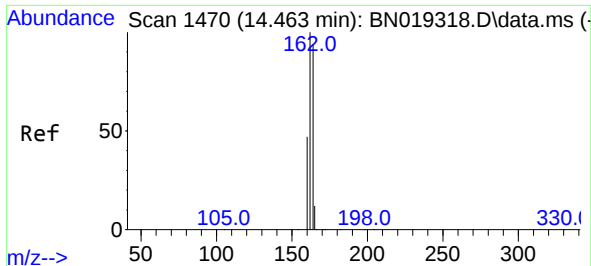


#12
2-Methylnaphthalene
Concen: 0.060 ng
RT: 12.295 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



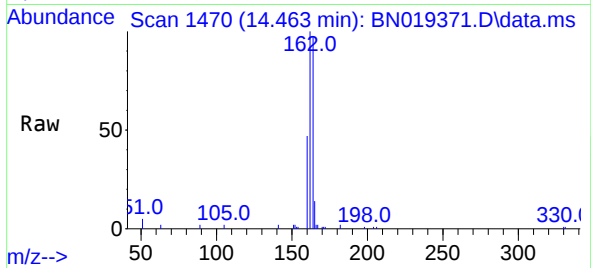
Tgt Ion:142 Resp: 1451
Ion Ratio Lower Upper
142 100
141 88.7 70.0 105.0
115 45.6 29.8 44.8#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

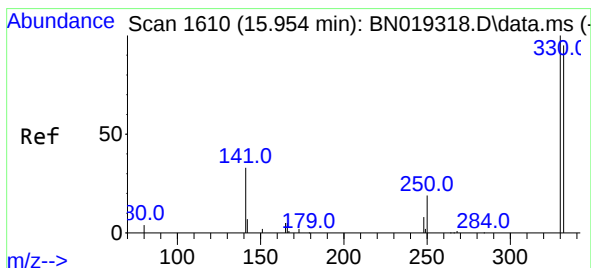
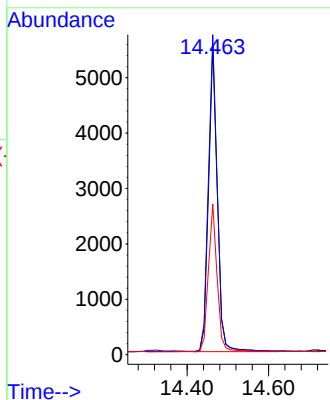
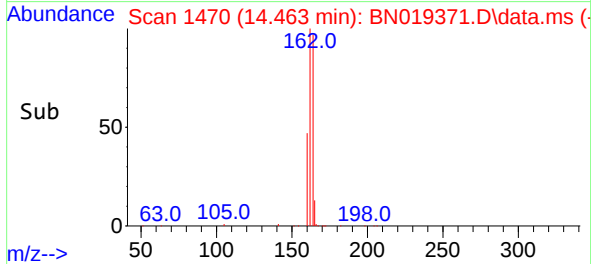
Instrument :
BNA_N
ClientSampleId :
A06015DL



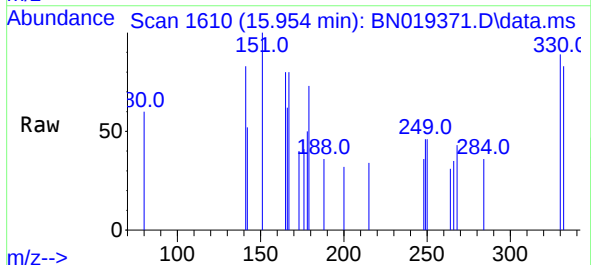
Tgt Ion:164 Resp: 830
Ion Ratio Lower Upper
164 100
162 103.1 85.2 127.8
160 48.6 41.5 62.3

Manual Integrations
APPROVED

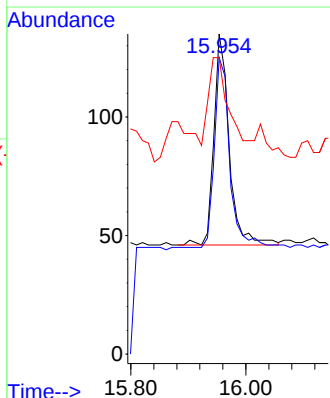
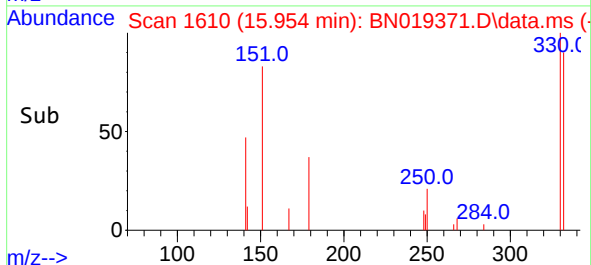
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

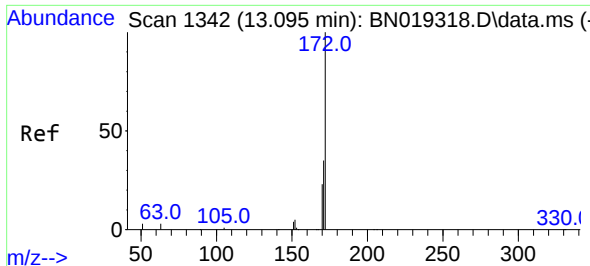


#14
2,4,6-Tribromophenol
Concen: 0.033 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



Tgt Ion:330 Resp: 164
Ion Ratio Lower Upper
330 100
332 90.2 76.8 115.2
141 54.3 32.2 48.2#





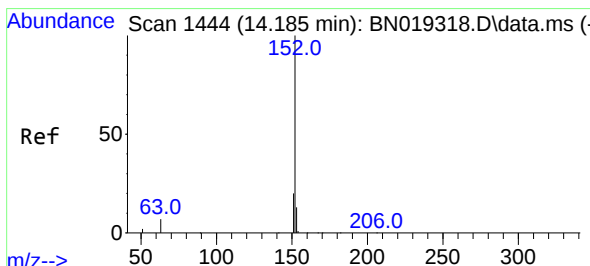
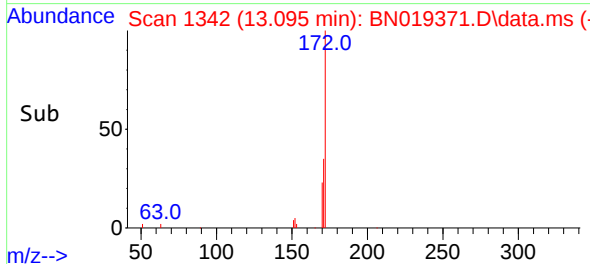
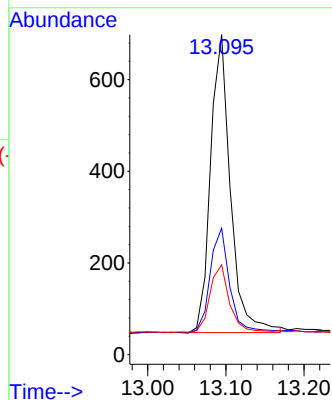
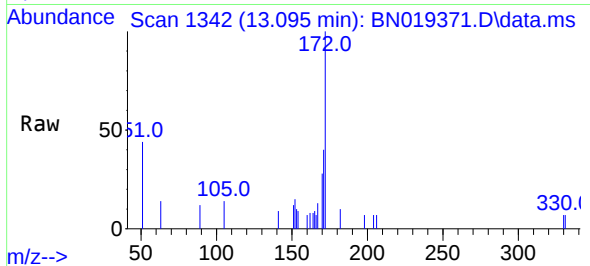
#15
2-Fluorobiphenyl
Concen: 0.033 ng
RT: 13.095 min Scan# 115
Delta R.T. 0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
A06015DL

Tgt Ion:	172	Resp:	115
Ion	Ratio	Lower	Upper
172	100		
171	39.5	28.2	42.2
170	28.1	18.7	28.1

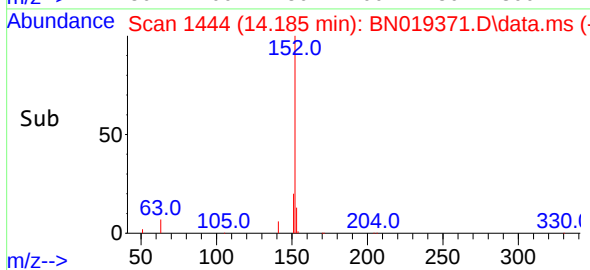
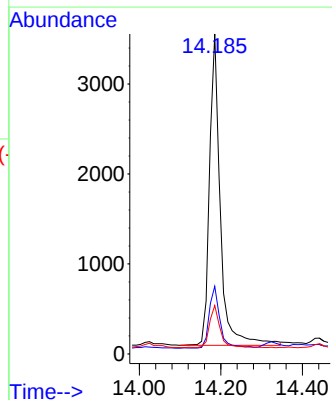
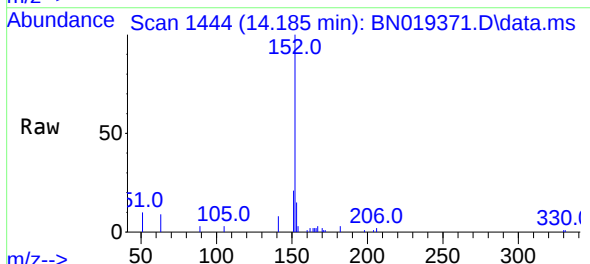
Manual Integrations
APPROVED

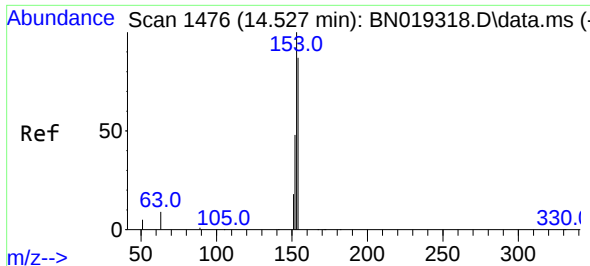
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022



#16
Acenaphthylene
Concen: 0.155 ng
RT: 14.185 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

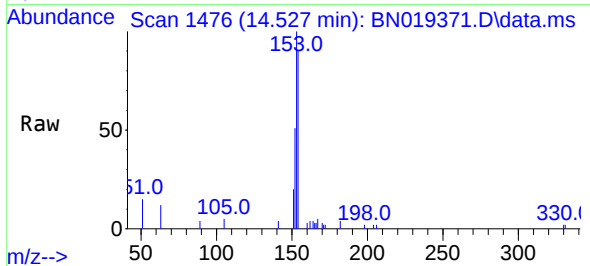
Tgt Ion:	152	Resp:	6385
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.3	10.6	15.8





#17
Acenaphthene
Concen: 0.116 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

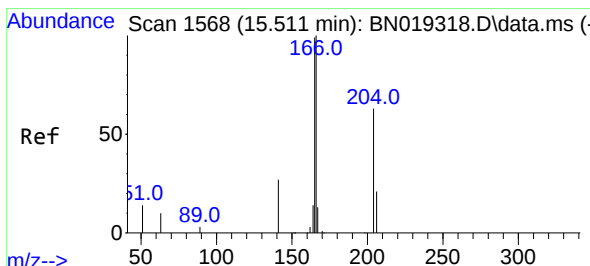
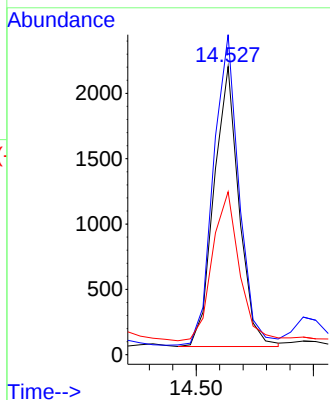
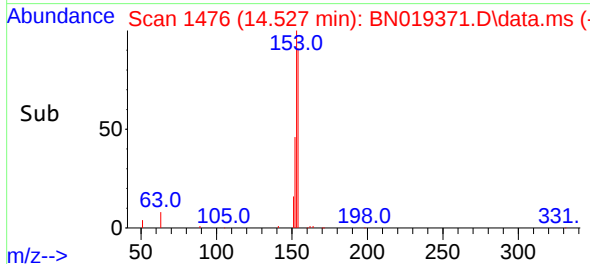
Instrument :
BNA_N
ClientSampleId :
A06015DL



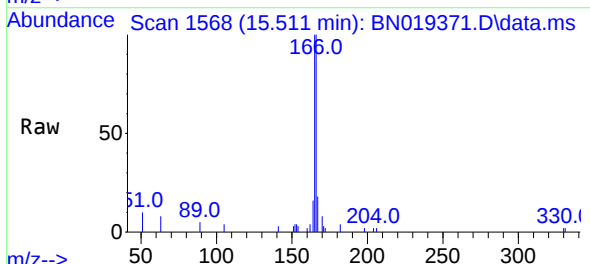
Tgt Ion:154 Resp: 3176
Ion Ratio Lower Upper
154 100
153 113.2 89.7 134.5
152 59.1 44.7 67.1

Manual Integrations
APPROVED

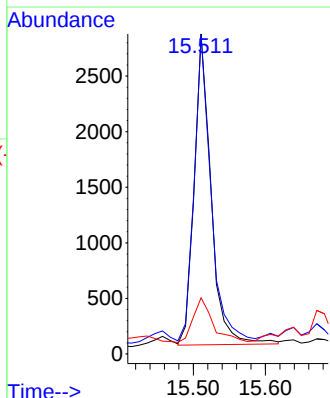
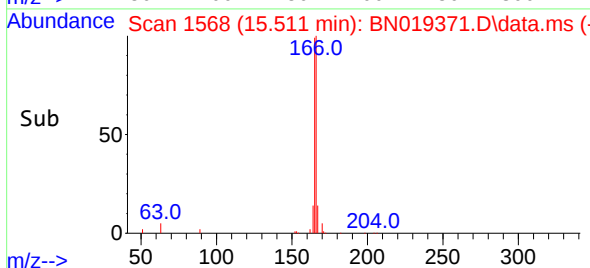
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

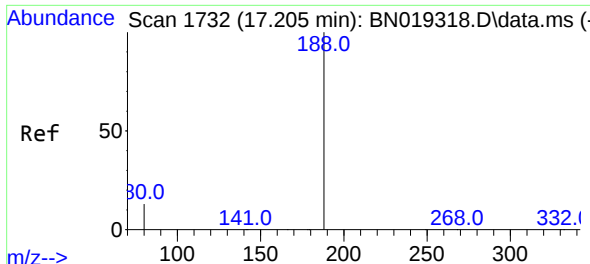


#18
Fluorene
Concen: 0.126 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



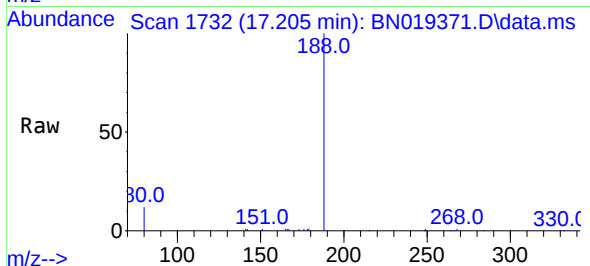
Tgt Ion:166 Resp: 4543
Ion Ratio Lower Upper
166 100
165 97.2 79.2 118.8
167 16.8 10.7 16.1#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

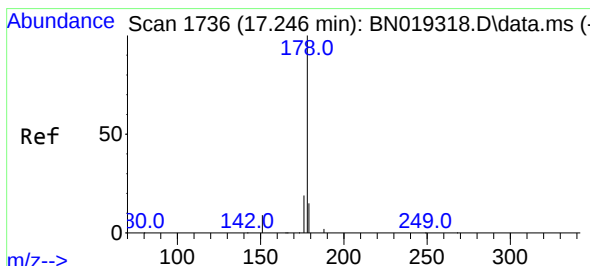
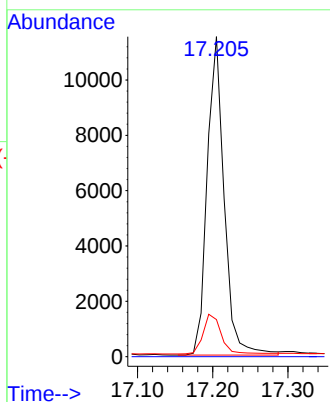
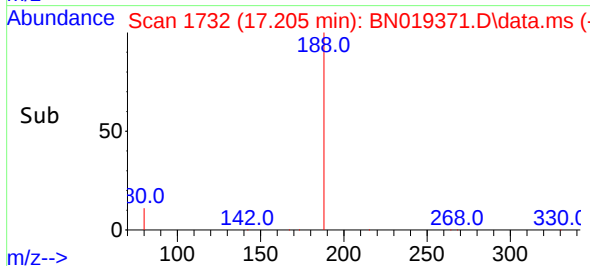
Instrument :
BNA_N
ClientSampleId :
A06015DL



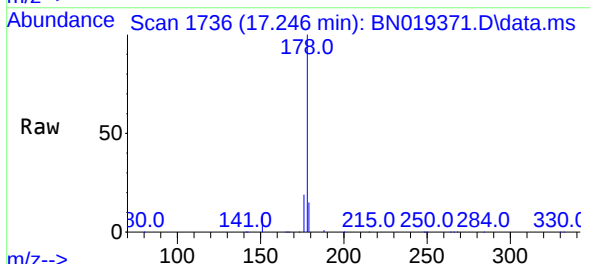
Tgt Ion:188 Resp: 1805
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.6 11.8 17.8

Manual Integrations
APPROVED

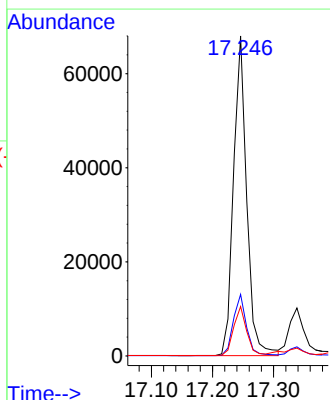
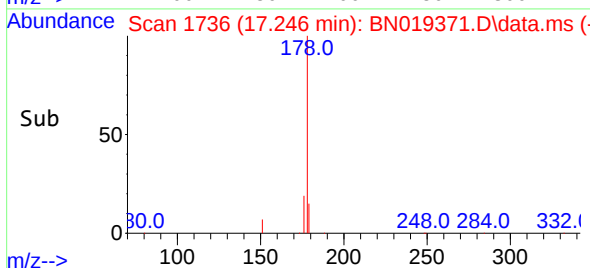
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

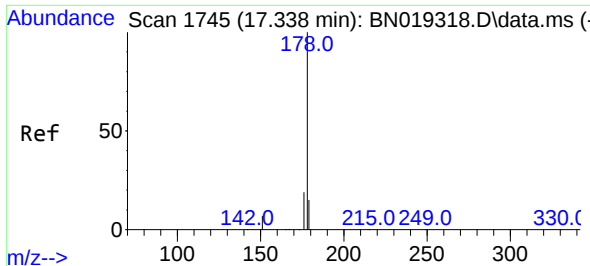


#25
Phenanthrene
Concen: 1.680 ng
RT: 17.246 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



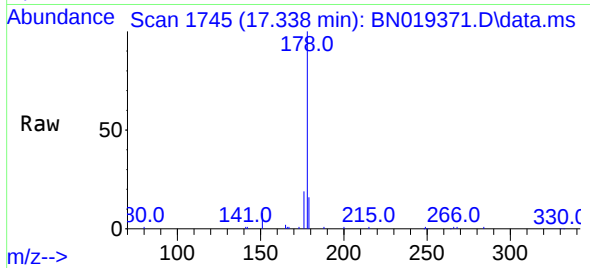
Tgt Ion:178 Resp: 101806
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.2 12.2 18.2





#26
 Anthracene
 Concen: 0.334 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019371.D
 Acq: 06 Apr 2022 15:32

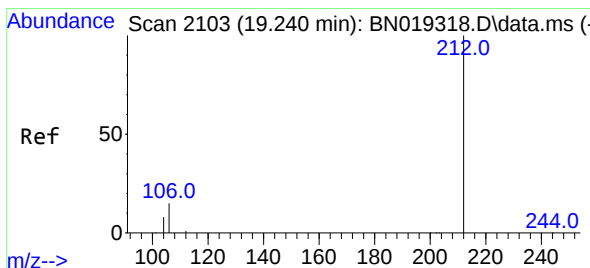
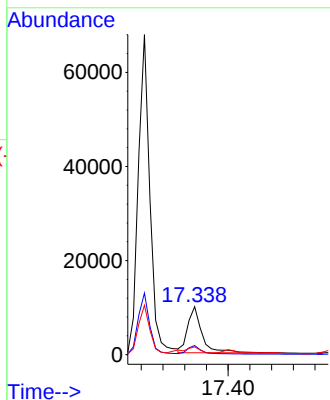
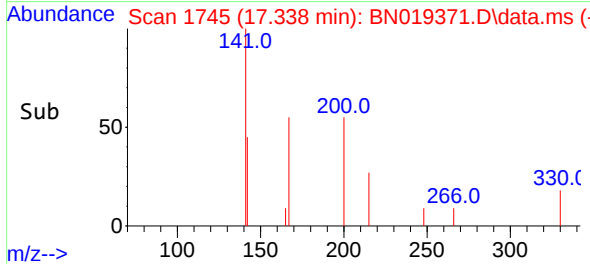
Instrument :
 BNA_N
 ClientSampleId :
 A06015DL



Tgt Ion:178 Resp: 1779
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 16.4 12.2 18.4

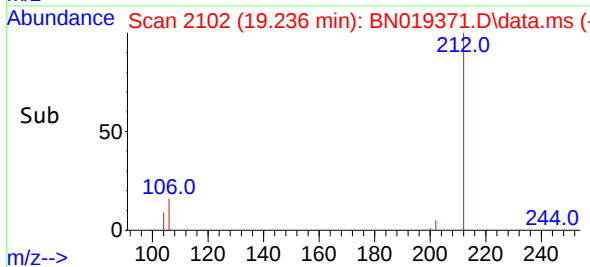
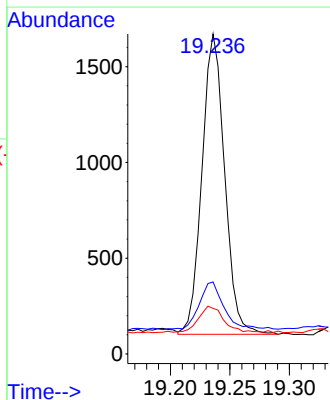
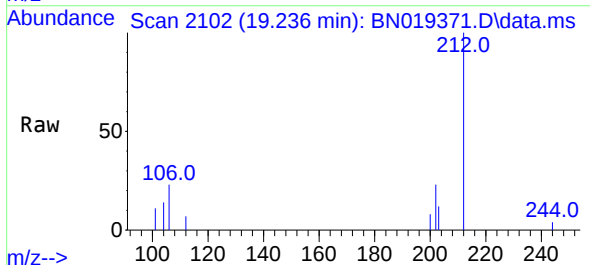
Manual Integrations
 APPROVED

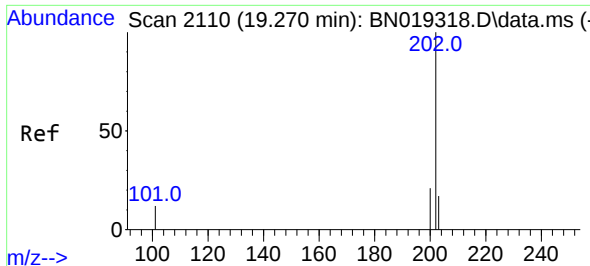
Reviewed By :Christian Giraldo 04/07/2022
 Supervised By :Jagrut Upadhyay 04/11/2022



#27
 Fluoranthene-d10
 Concen: 0.036 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019371.D
 Acq: 06 Apr 2022 15:32

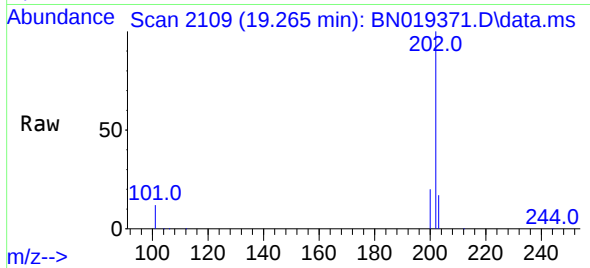
Tgt Ion:212 Resp: 2080
 Ion Ratio Lower Upper
 212 100
 106 17.5 12.7 19.1
 104 9.2 7.1 10.7





#28
Fluoranthene
Concen: 2.590 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

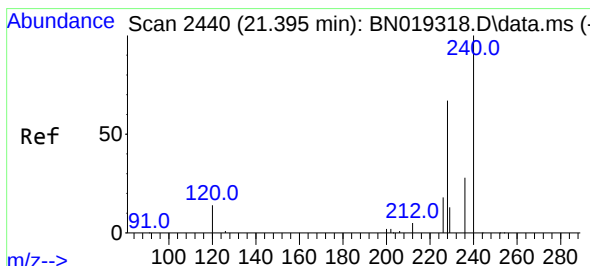
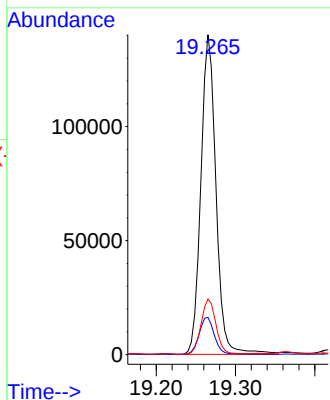
Instrument :
BNA_N
ClientSampleId :
A06015DL



Tgt Ion:202 Resp: 186124
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 17.1 13.7 20.5

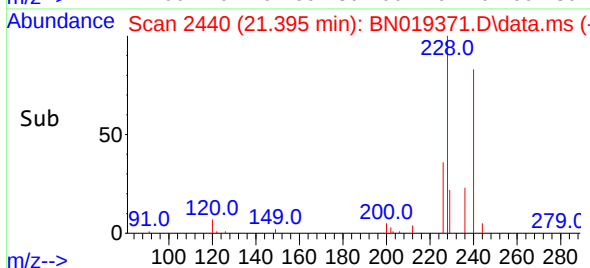
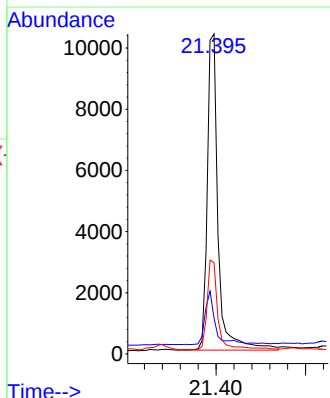
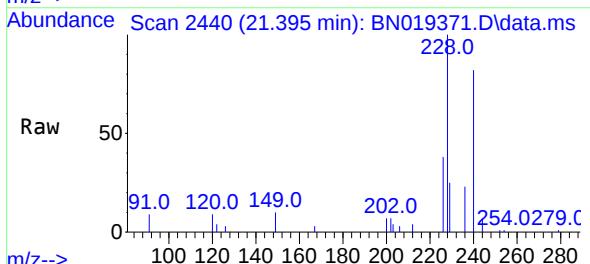
Manual Integrations
APPROVED

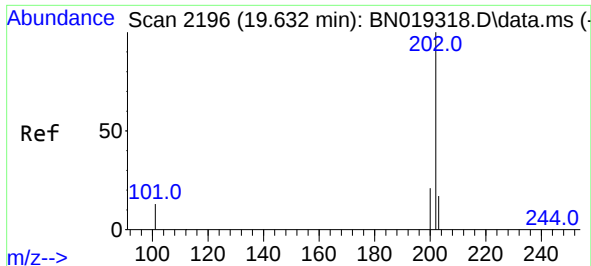
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.395 min Scan# 2440
Delta R.T. -0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

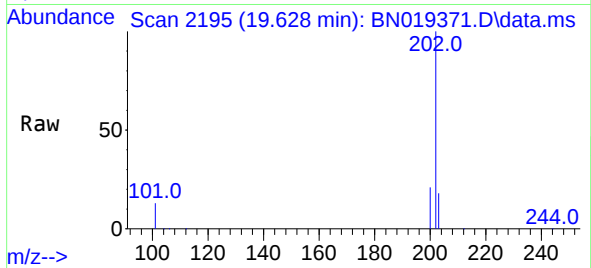
Tgt Ion:240 Resp: 17344
Ion Ratio Lower Upper
240 100
120 11.2 8.5 12.7
236 28.6 22.4 33.6





#30
Pyrene
Concen: 2.030 ng
RT: 19.628 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

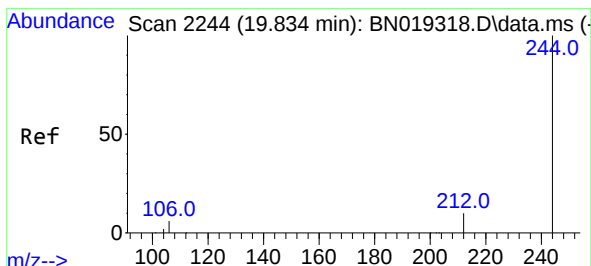
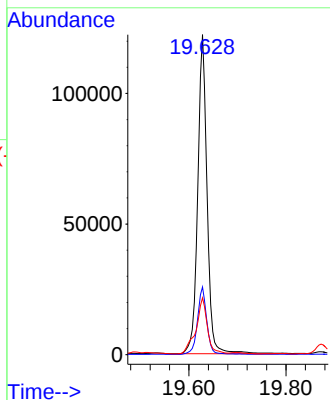
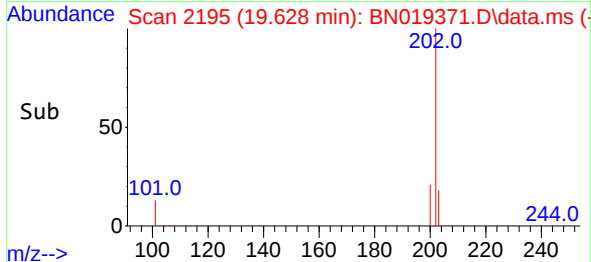
Instrument :
BNA_N
ClientSampleId :
A06015DL



Tgt Ion:202 Resp: 163819
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 21.4 14.2 21.2

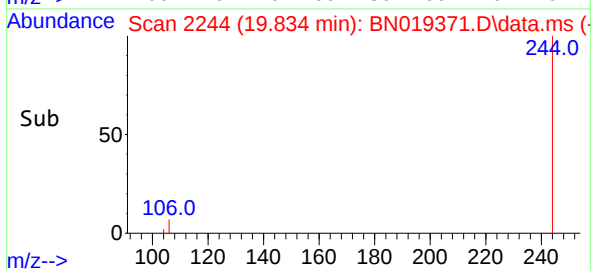
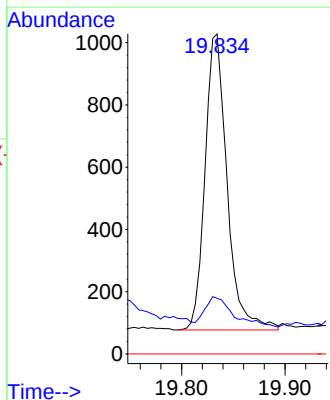
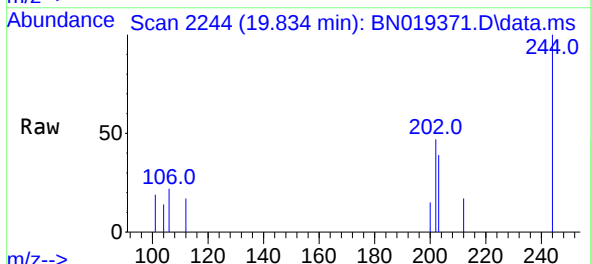
Manual Integrations
APPROVED

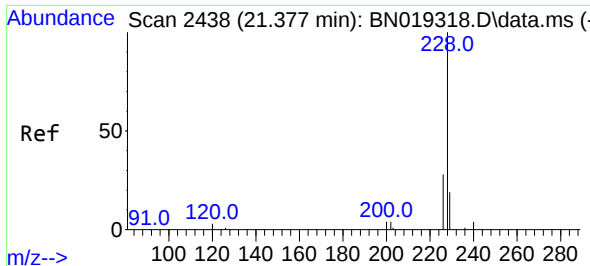
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022



#31
Terphenyl-d14
Concen: 0.037 ng
RT: 19.834 min Scan# 2244
Delta R.T. 0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

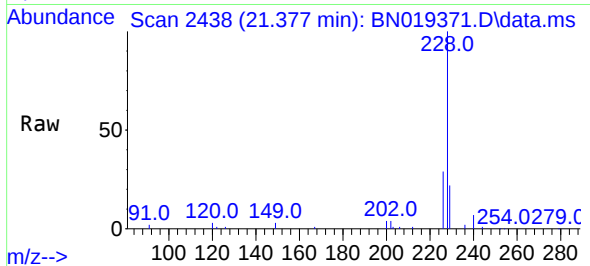
Tgt Ion:244 Resp: 1413
Ion Ratio Lower Upper
244 100
212 17.4 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.188 ng
RT: 21.377 min Scan# 2438
Delta R.T. -0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

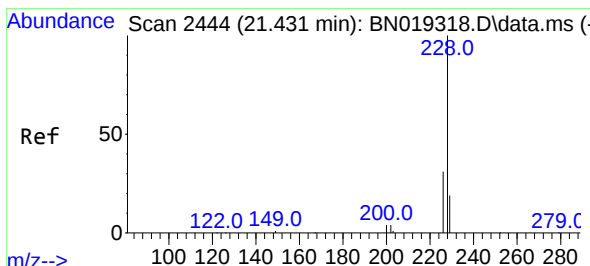
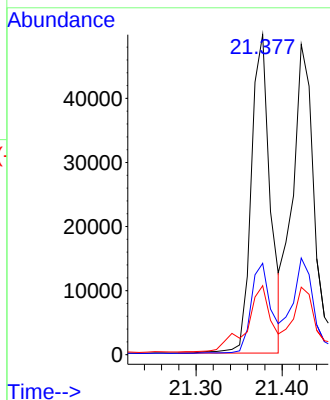
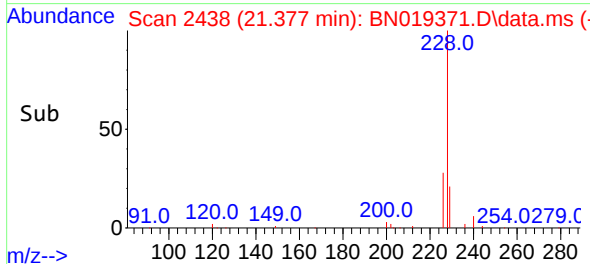
Instrument :
BNA_N
ClientSampleId :
A06015DL



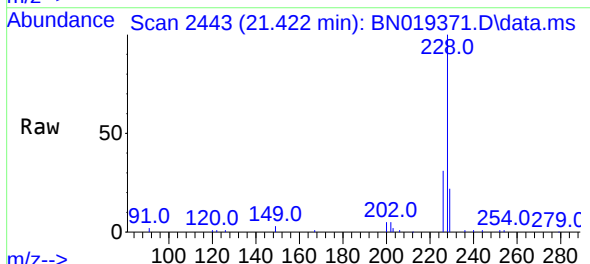
Tgt Ion:228 Resp: 7612
Ion Ratio Lower Upper
228 100
226 28.5 21.9 32.9
229 21.6 16.0 24.0

Manual Integrations
APPROVED

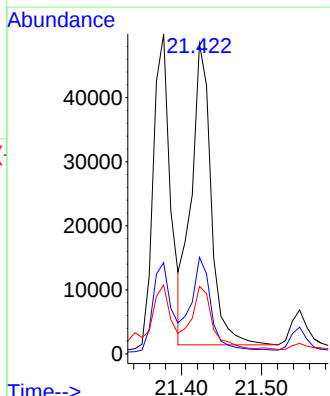
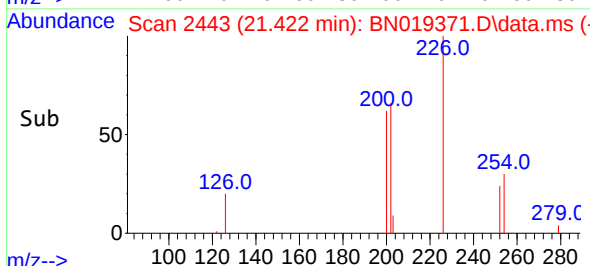
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

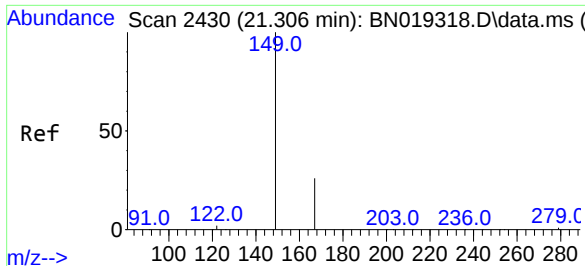


#33
Chrysene
Concen: 1.143 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



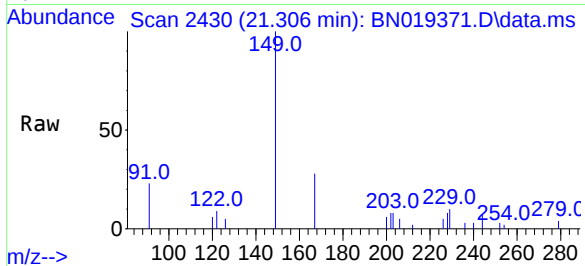
Tgt Ion:228 Resp: 81386
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 21.8 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.103 ng
RT: 21.306 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

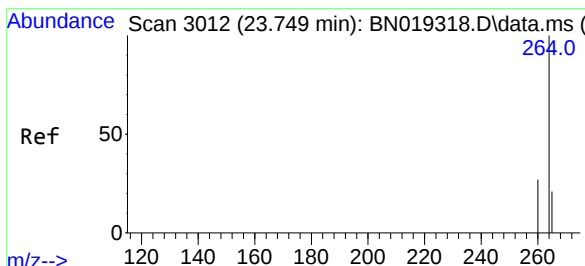
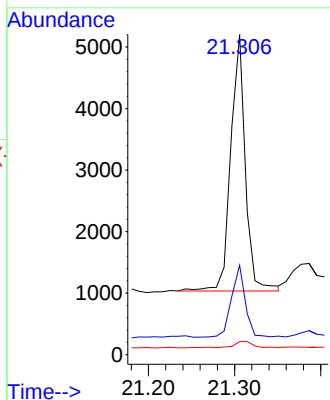
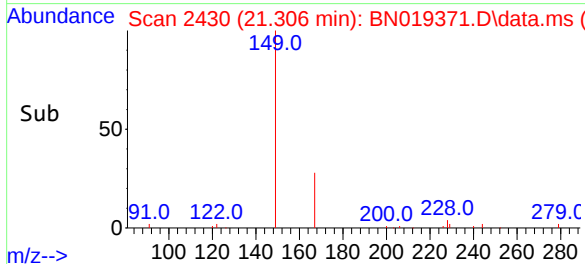
Instrument :
BNA_N
ClientSampleId :
A06015DL



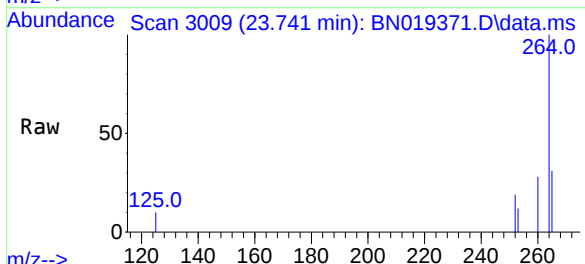
Tgt Ion:149 Resp: 4910
Ion Ratio Lower Upper
149 100
167 26.3 21.8 32.8
279 3.4 2.0 3.0

Manual Integrations
APPROVED

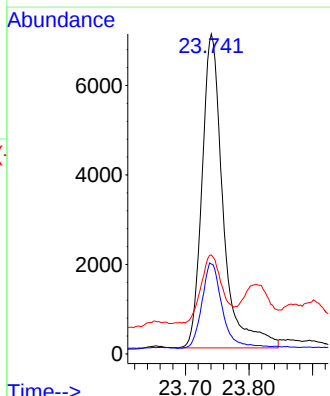
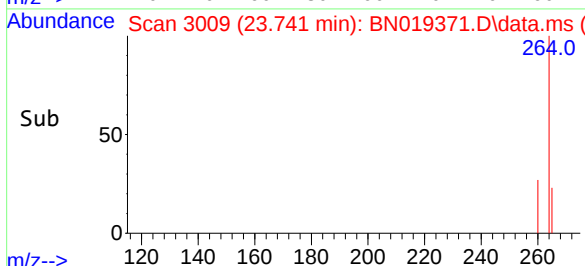
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

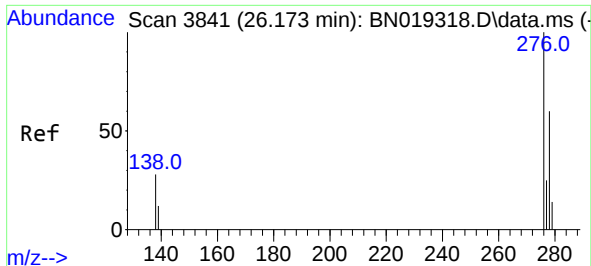


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 3009
Delta R.T. -0.009 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



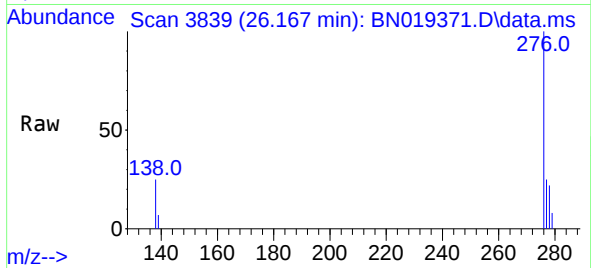
Tgt Ion:264 Resp: 16212
Ion Ratio Lower Upper
264 100
260 28.1 22.4 33.6
265 31.0 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.580 ng
RT: 26.167 min Scan# 3841
Delta R.T. -0.006 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

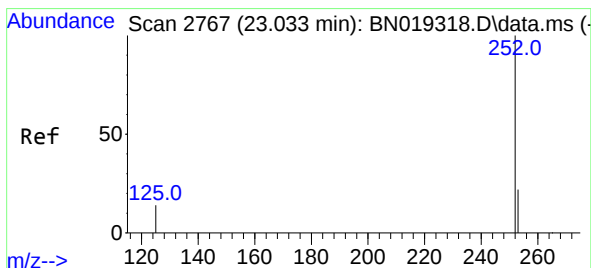
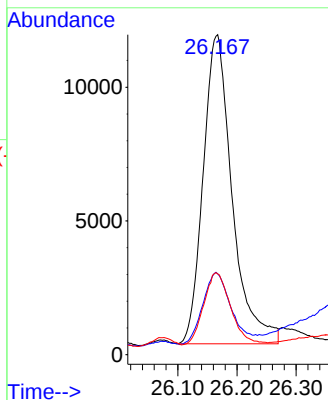
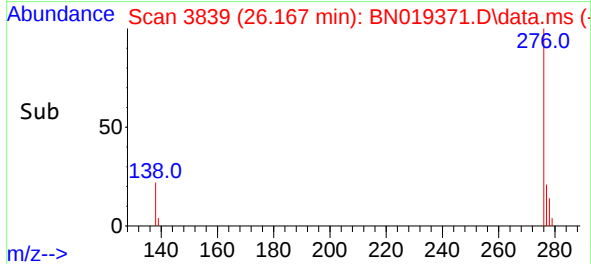
Instrument :
BNA_N
ClientSampleId :
A06015DL



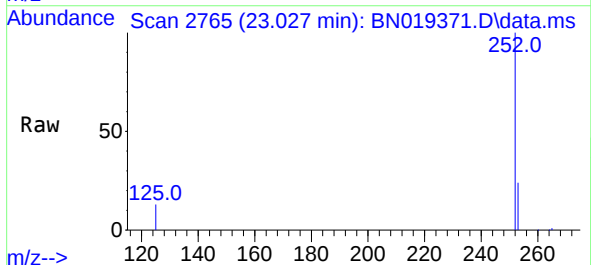
Tgt Ion:276 Resp: 39368
Ion Ratio Lower Upper
276 100
138 22.7 24.5 36.7
277 21.8 19.8 29.8

Manual Integrations
APPROVED

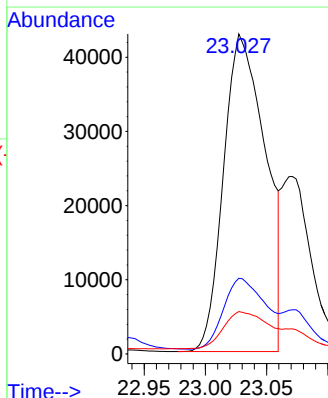
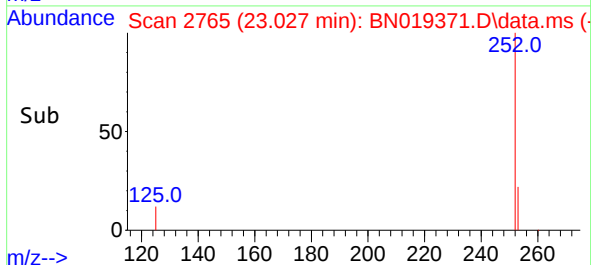
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

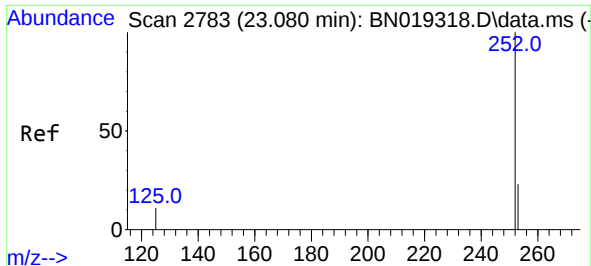


#37
Benzo(b)fluoranthene
Concen: 1.598 ng
RT: 23.027 min Scan# 2765
Delta R.T. -0.006 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



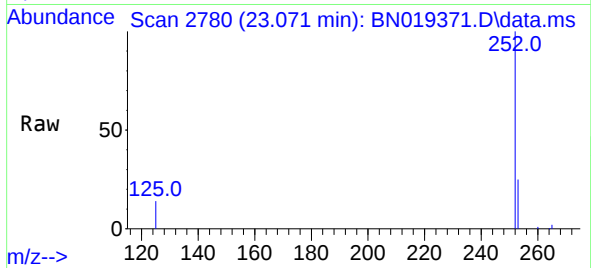
Tgt Ion:252 Resp: 101496
Ion Ratio Lower Upper
252 100
253 23.6 18.9 28.3
125 13.3 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 0.586 ng m
RT: 23.071 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

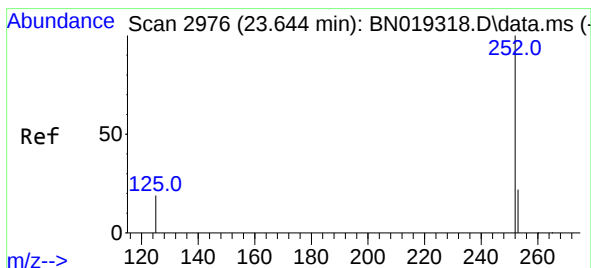
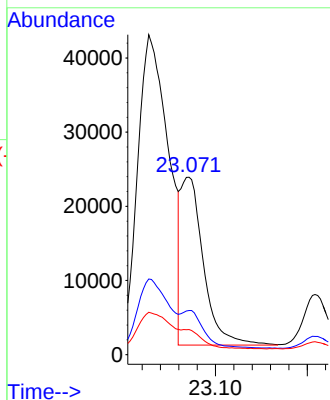
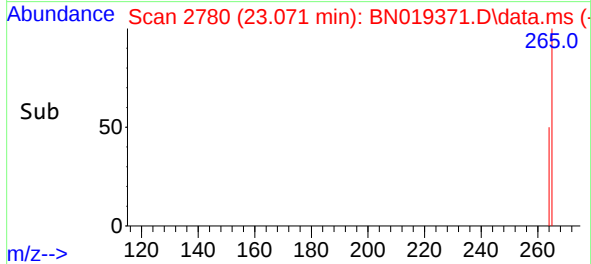
Instrument :
BNA_N
ClientSampleId :
A06015DL



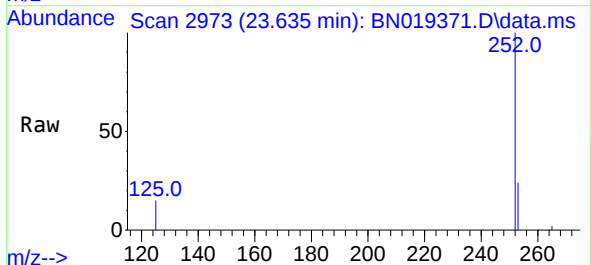
Tgt Ion:252 Resp: 38880
Ion Ratio Lower Upper
252 100
253 24.9 18.9 28.3
125 14.1 10.3 15.5

Manual Integrations
APPROVED

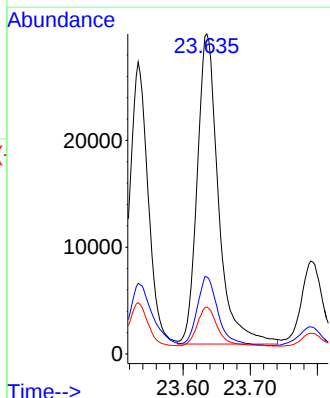
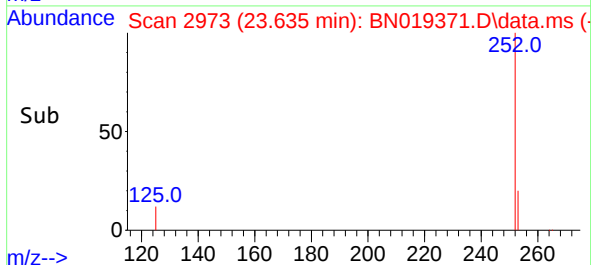
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/11/2022

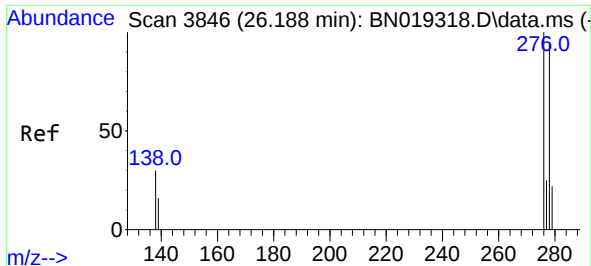


#39
Benzo(a)pyrene
Concen: 1.121 ng m
RT: 23.635 min Scan# 2973
Delta R.T. -0.009 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



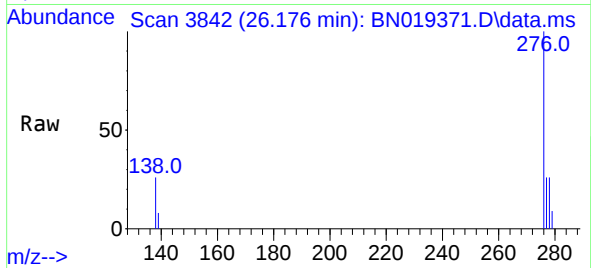
Tgt Ion:252 Resp: 63971
Ion Ratio Lower Upper
252 100
253 24.1 20.1 30.1
125 14.7 15.2 22.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.155 ng
RT: 26.176 min Scan# 3842
Delta R.T. -0.012 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32

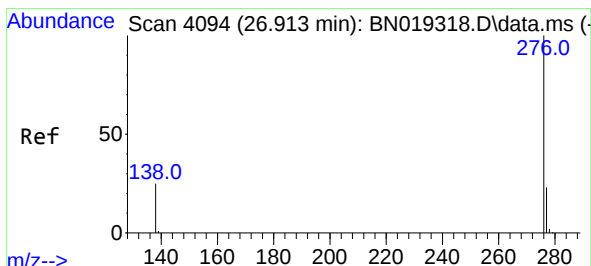
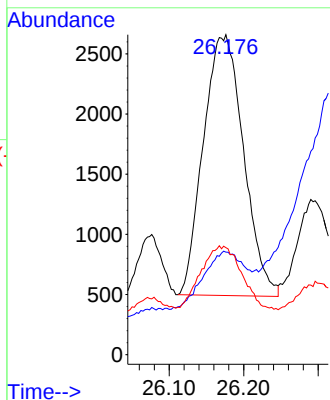
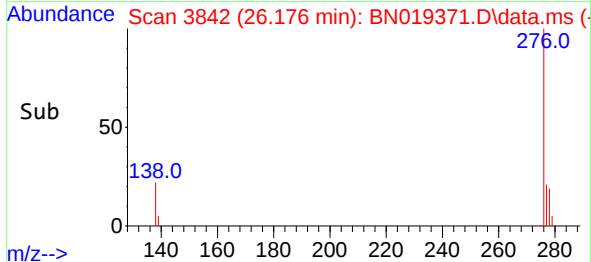
Instrument :
BNA_N
ClientSampleId :
A06015DL



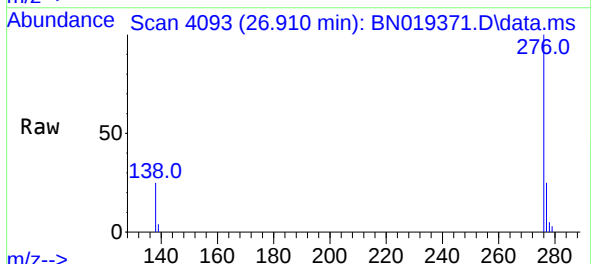
Tgt Ion:278 Resp: 8114
Ion Ratio Lower Upper
278 100
139 32.0 17.2 25.8
279 33.5 19.9 29.9

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.658 ng
RT: 26.910 min Scan# 4093
Delta R.T. -0.003 min
Lab File: BN019371.D
Acq: 06 Apr 2022 15:32



Tgt Ion:276 Resp: 41402
Ion Ratio Lower Upper
276 100
277 24.8 19.4 29.0
138 24.9 21.0 31.6

