

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019361.D
 Acq On : 05 Apr 2022 21:52
 Operator : CG/JU
 Sample : N2237-06DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A01015DL

Manual Integrations
 APPROVED

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

Quant Time: Apr 06 02:32:18 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 04 17:40:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	2911	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	9557	0.400	ng	# 0.01
13) Acenaphthene-d10	14.463	164	6806	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	15391	0.400	ng	# 0.00
29) Chrysene-d12	21.387	240	16104	0.400	ng	# 0.00
35) Perylene-d12	23.735	264	15511	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	192	0.025	ng	0.00
5) Phenol-d6	7.009	99	112	0.012	ng	0.02
8) Nitrobenzene-d5	9.025	82	88	0.010	ng	0.04
11) 2-Methylnaphthalene-d10	12.235	152	299	0.018	ng	0.01
14) 2,4,6-Tribromophenol	15.964	330	63	0.015	ng	0.01
15) 2-Fluorobiphenyl	13.105	172	430	0.015	ng	0.01
27) Fluoranthene-d10	19.236	212	780	0.016	ng	0.00
31) Terphenyl-d14	19.830	244	641	0.018	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	3419	0.121	ng	# 91
12) 2-Methylnaphthalene	12.306	142	1292	0.066	ng	# 91
16) Acenaphthylene	14.185	152	4248	0.126	ng	100
17) Acenaphthene	14.527	154	4170	0.186	ng	98
18) Fluorene	15.511	166	7337m	0.247	ng	
25) Phenanthrene	17.246	178	125902	2.438	ng	100
26) Anthracene	17.338	178	20997	0.462	ng	99
28) Fluoranthene	19.265	202	202696	3.309	ng	99
30) Pyrene	19.628	202	163641	2.184	ng	# 96
32) Benzo(a)anthracene	21.369	228	90917	1.528	ng	98
33) Chrysene	21.422	228	84095	1.272	ng	98
34) Bis(2-ethylhexyl)phtha...	21.297	149	1119	0.025	ng	# 85
36) Indeno(1,2,3-cd)pyrene	26.159	276	34296	0.528	ng	# 89
37) Benzo(b)fluoranthene	23.025	252	102314	1.683	ng	97
38) Benzo(k)fluoranthene	23.063	252	35719m	0.562	ng	
39) Benzo(a)pyrene	23.630	252	62535m	1.145	ng	
40) Dibenzo(a,h)anthracene	26.162	278	8106	0.161	ng	# 85
41) Benzo(g,h,i)perylene	26.898	276	33896	0.563	ng	98

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

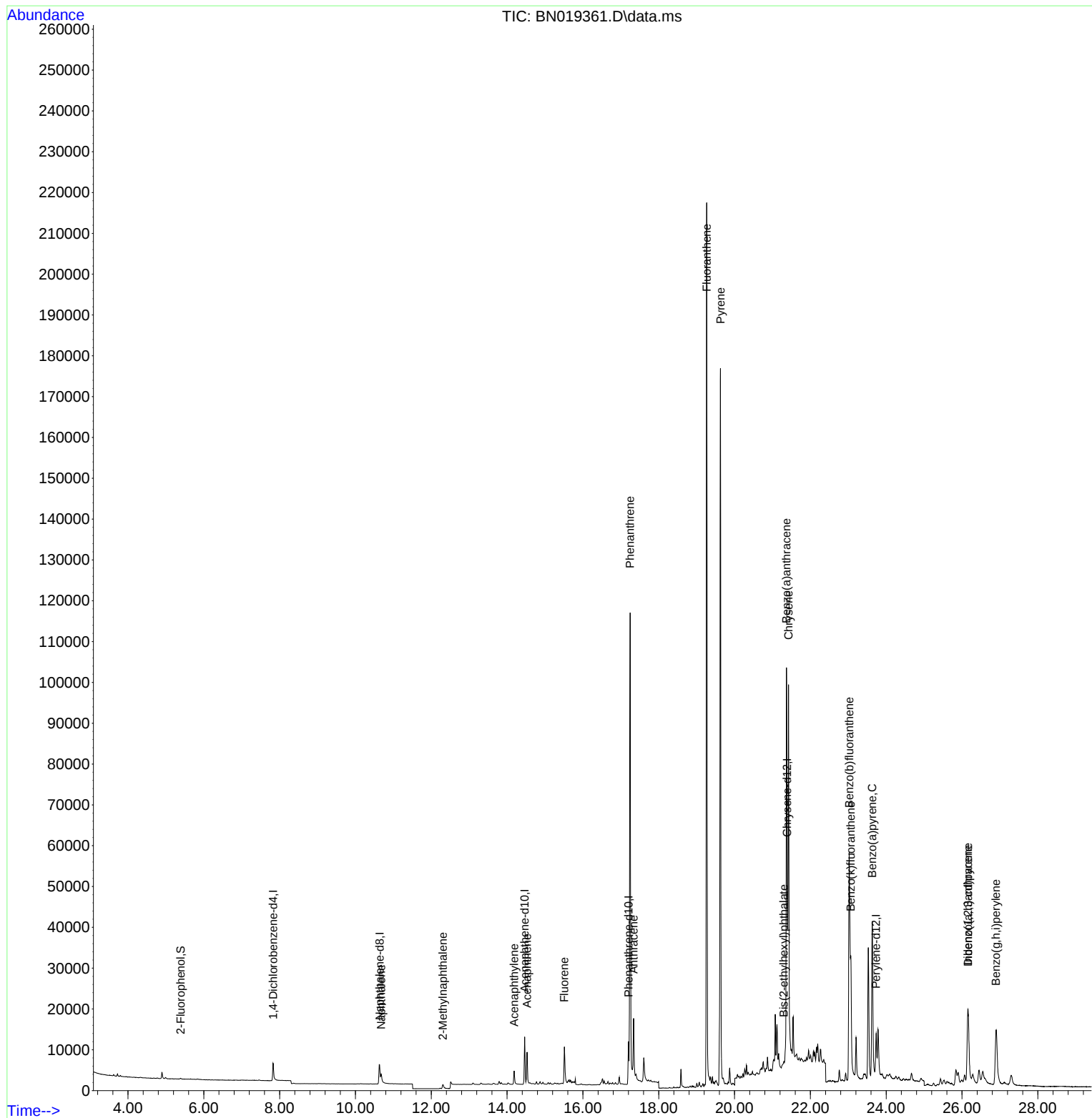
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
Data File : BN019361.D
Acq On : 05 Apr 2022 21:52
Operator : CG/JU
Sample : N2237-06DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A01015DL

Manual Integrations
APPROVED

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

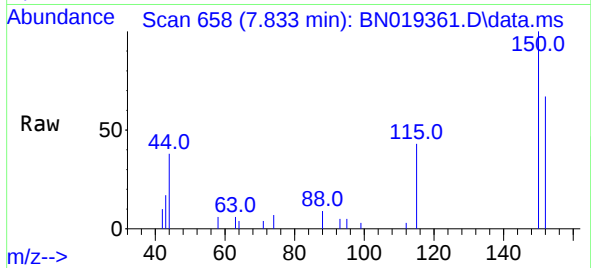
Quant Time: Apr 06 02:32:18 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 61
Delta R.T. 0.008 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

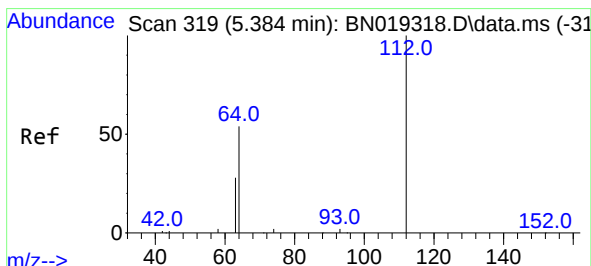
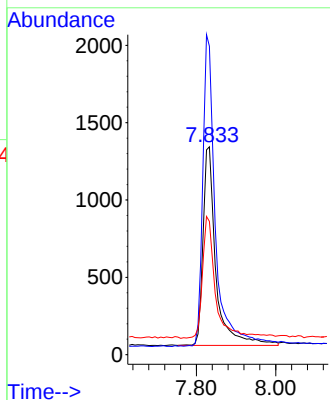
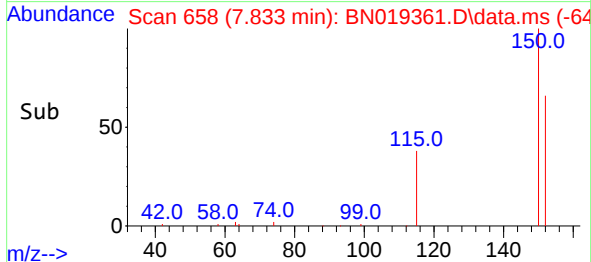
Instrument :
BNA_N
ClientSampleId :
A01015DL



Tgt Ion:152 Resp: 291
Ion Ratio Lower Upper
152 100
150 148.4 123.9 185.9
115 64.1 48.2 72.4

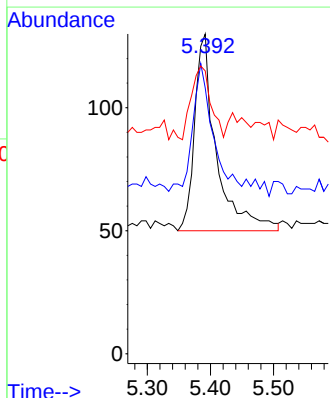
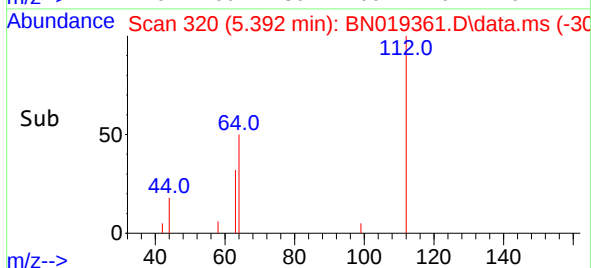
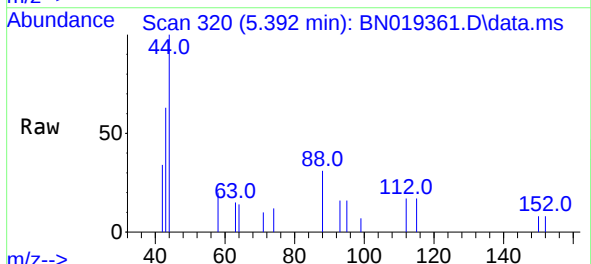
Manual Integrations
APPROVED

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



#4
2-Fluorophenol
Concen: 0.025 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

Tgt Ion:112 Resp: 192
Ion Ratio Lower Upper
112 100
64 58.9 47.8 71.8
63 30.7 25.7 38.5





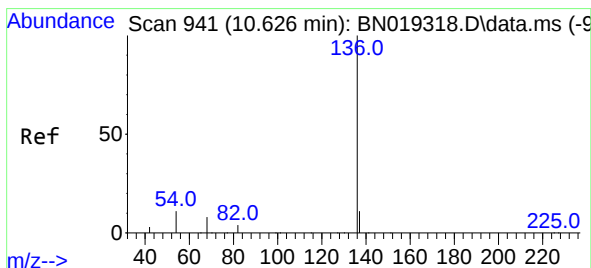
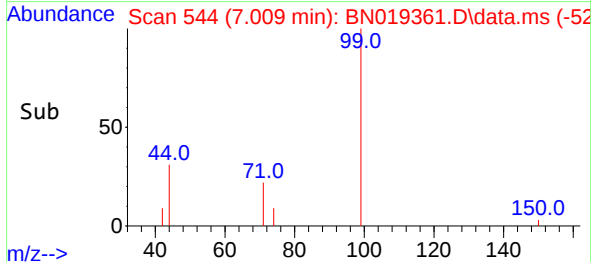
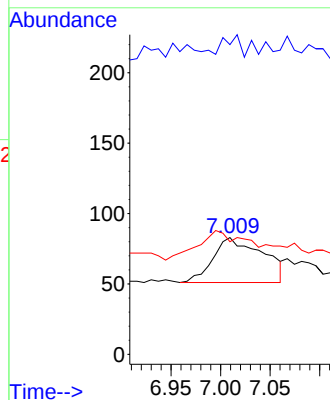
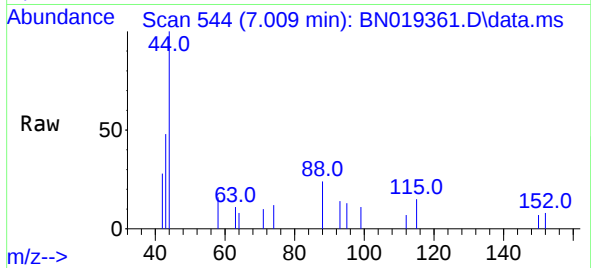
#5
Phenol-d6
Concen: 0.012 ng
RT: 7.009 min Scan# 541
Delta R.T. 0.022 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

Instrument :
BNA_N
ClientSampleId :
A01015DL

Tgt Ion: 99 Resp: 111
Ion Ratio Lower Upper
99 100
42 18.8 16.2 24.4
71 0.0 27.7 41.5

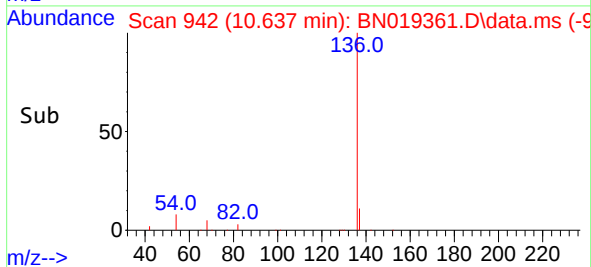
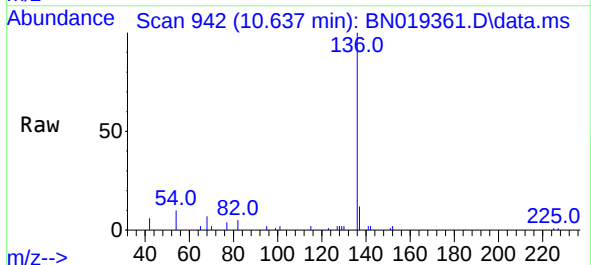
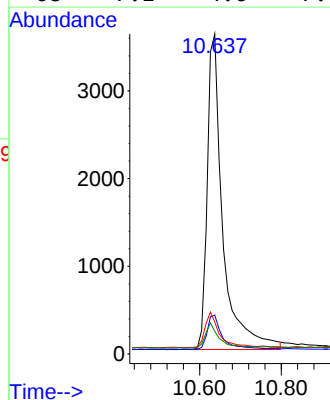
Manual Integrations
APPROVED

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: BN019361.D
Acq: 05 Apr 2022 21:52

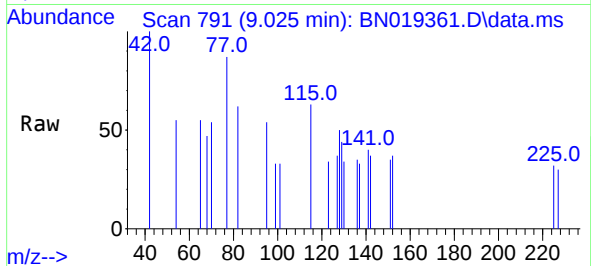
Tgt Ion:136 Resp: 9557
Ion Ratio Lower Upper
136 100
137 12.2 9.0 13.4
54 10.0 5.8 8.6#
68 7.1 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.010 ng
RT: 9.025 min Scan# 791
Delta R.T. 0.043 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

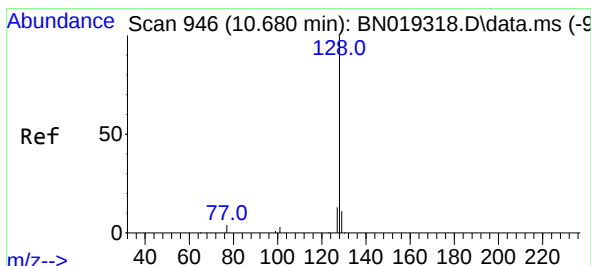
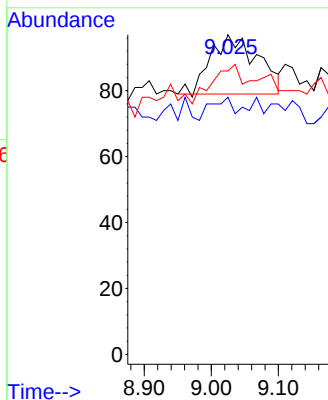
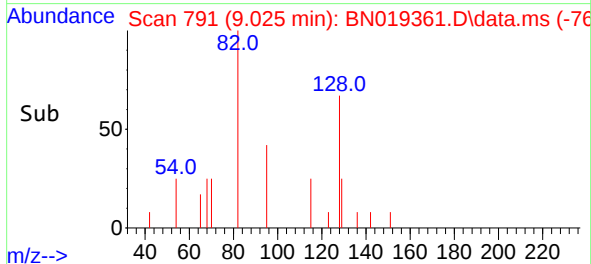
Instrument :
BNA_N
ClientSampleId :
A01015DL



Tgt Ion: 82 Resp: 88
Ion Ratio Lower Upper
82 100
128 80.4 33.0 49.6
54 88.7 42.5 63.7

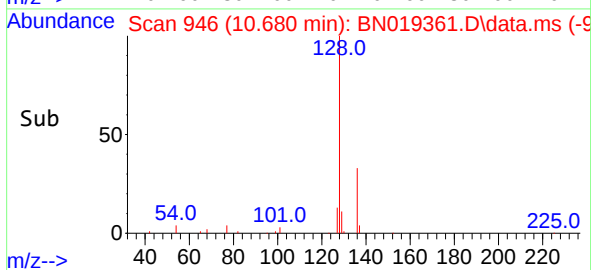
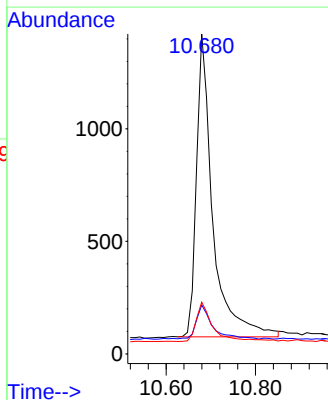
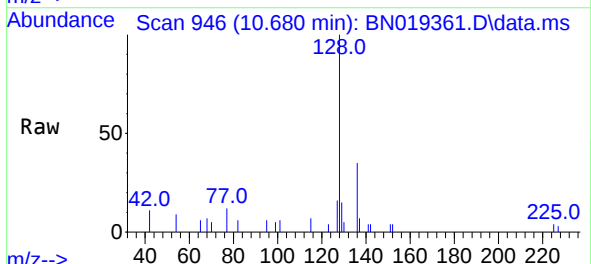
Manual Integrations
APPROVED

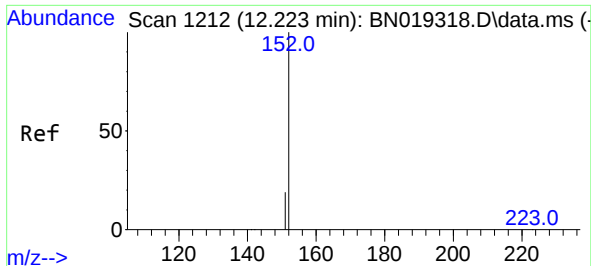
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#9
Naphthalene
Concen: 0.121 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

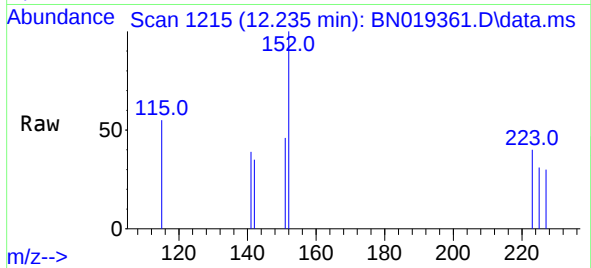
Tgt Ion:128 Resp: 3419
Ion Ratio Lower Upper
128 100
129 15.3 9.0 13.4#
127 16.2 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.018 ng
RT: 12.235 min Scan# 11
Delta R.T. 0.012 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

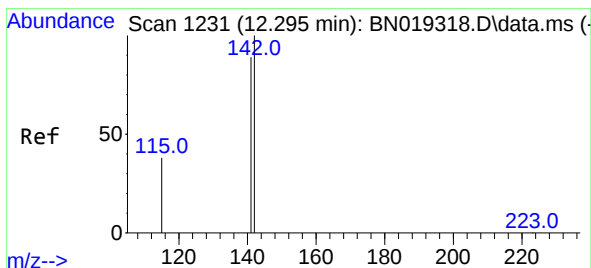
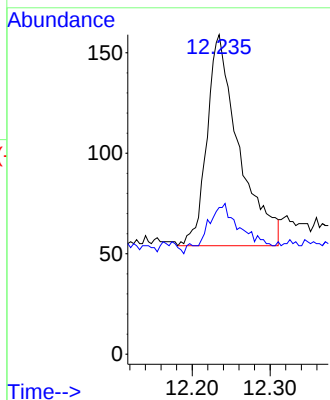
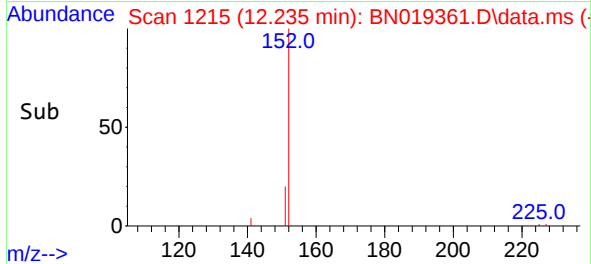
Instrument :
BNA_N
ClientSampleId :
A01015DL



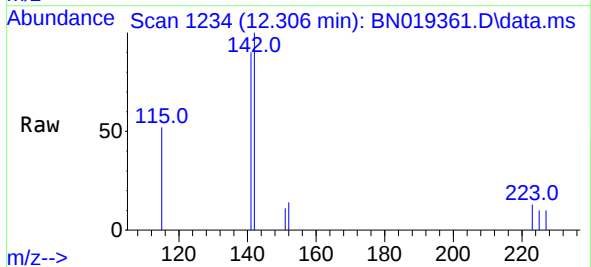
Tgt Ion:152 Resp: 299
Ion Ratio Lower Upper
152 100
151 18.1 16.5 24.7

Manual Integrations
APPROVED

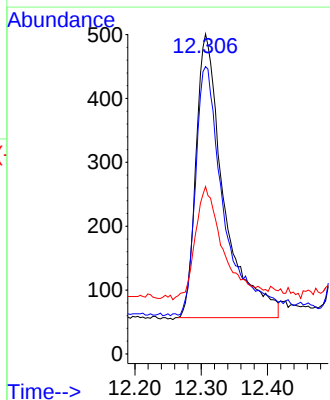
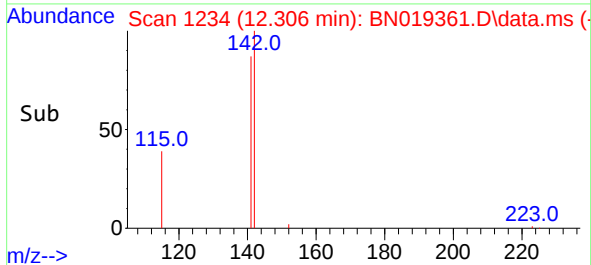
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

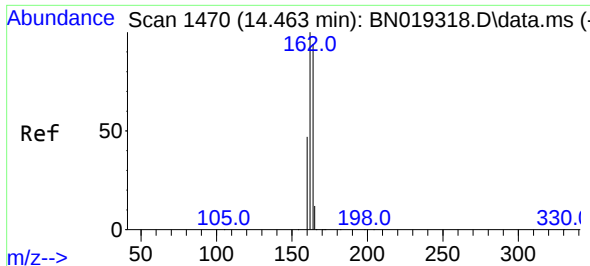


#12
2-Methylnaphthalene
Concen: 0.066 ng
RT: 12.306 min Scan# 1234
Delta R.T. 0.012 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52



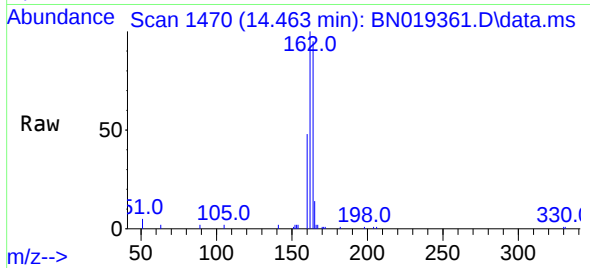
Tgt Ion:142 Resp: 1292
Ion Ratio Lower Upper
142 100
141 89.8 70.0 105.0
115 52.3 29.8 44.8#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

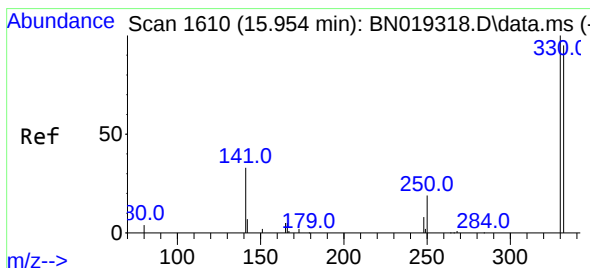
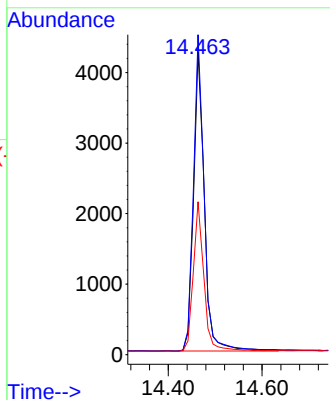
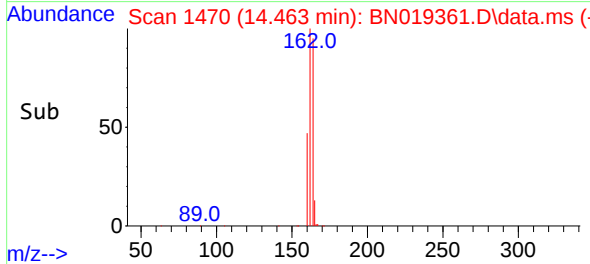
Instrument :
BNA_N
ClientSampleId :
A01015DL



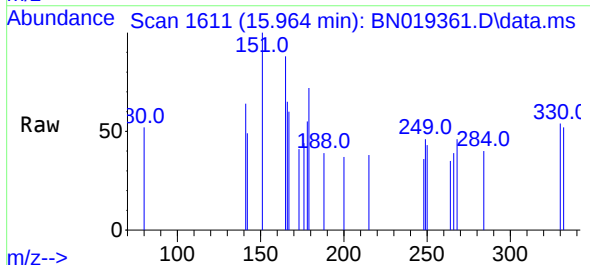
Tgt Ion:164 Resp: 6800
Ion Ratio Lower Upper
164 100
162 105.6 85.2 127.8
160 50.5 41.5 62.3

Manual Integrations
APPROVED

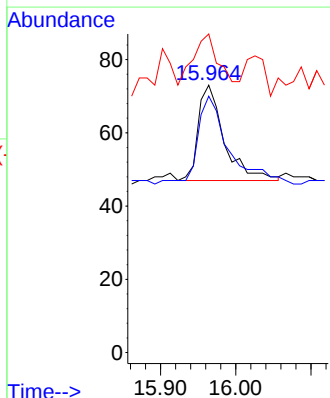
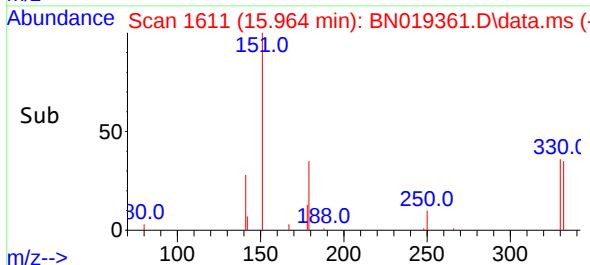
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

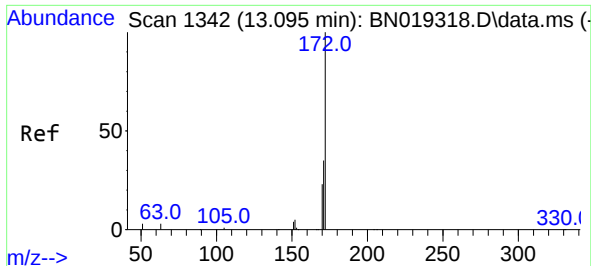


#14
2,4,6-Tribromophenol
Concen: 0.015 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.010 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52



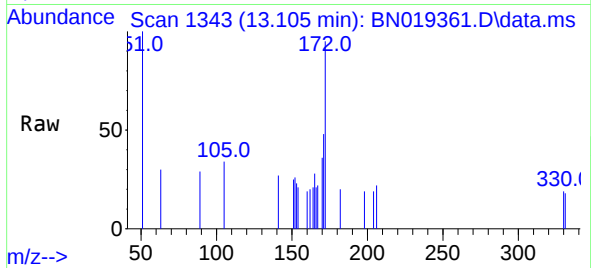
Tgt Ion:330 Resp: 63
Ion Ratio Lower Upper
330 100
332 111.1 76.8 115.2
141 49.2 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.015 ng
RT: 13.105 min Scan# 1342
Delta R.T. 0.011 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

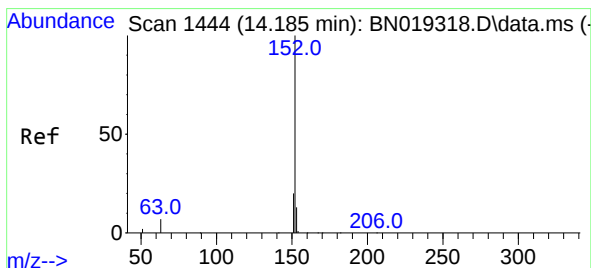
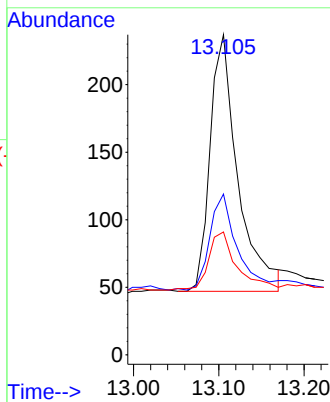
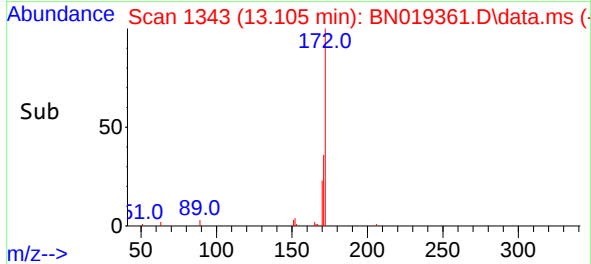
Instrument :
BNA_N
ClientSampleId :
A01015DL



Tgt Ion:172 Resp: 430
Ion Ratio Lower Upper
172 100
171 50.2 28.2 42.2
170 38.4 18.7 28.1

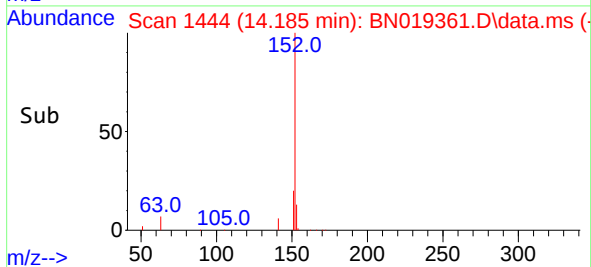
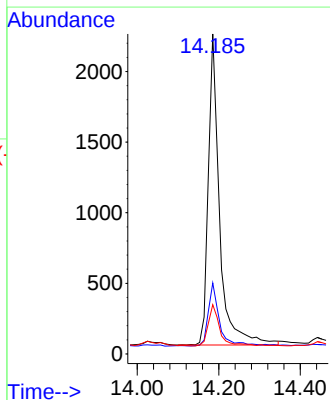
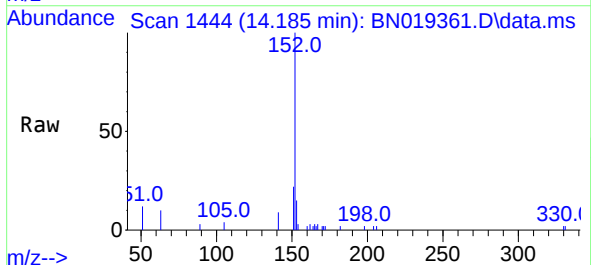
Manual Integrations
APPROVED

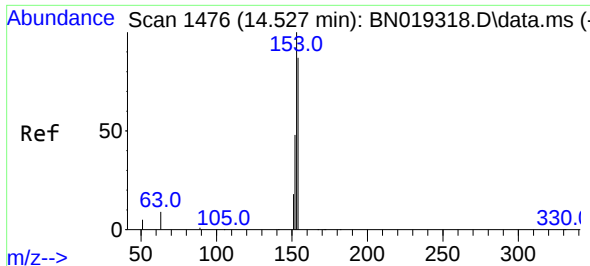
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#16
Acenaphthylene
Concen: 0.126 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

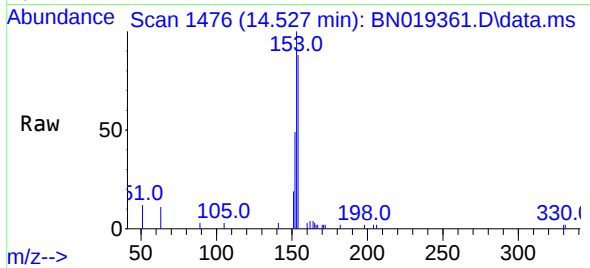
Tgt Ion:152 Resp: 4248
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.4 10.6 15.8





#17
Acenaphthene
Concen: 0.186 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

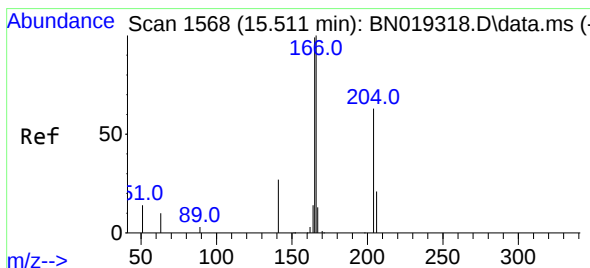
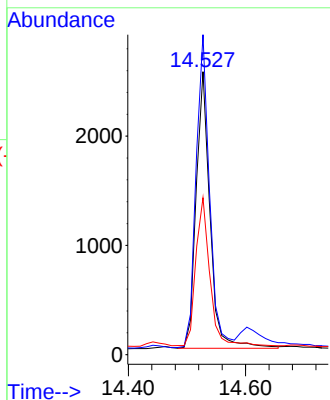
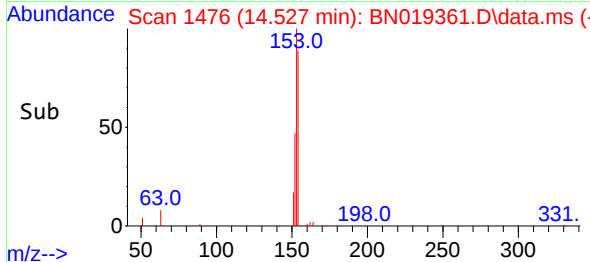
Instrument :
BNA_N
ClientSampleId :
A01015DL



Tgt Ion:154 Resp: 4170
Ion Ratio Lower Upper
154 100
153 109.6 89.7 134.5
152 53.8 44.7 67.1

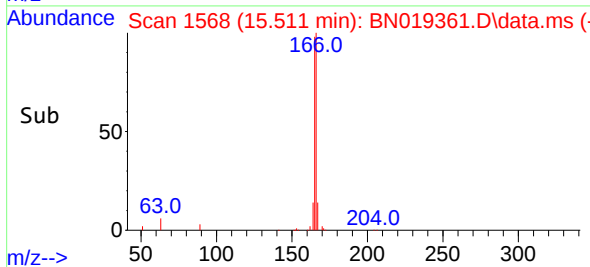
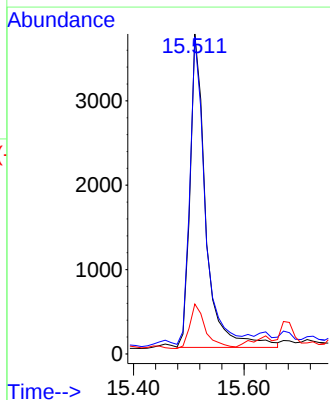
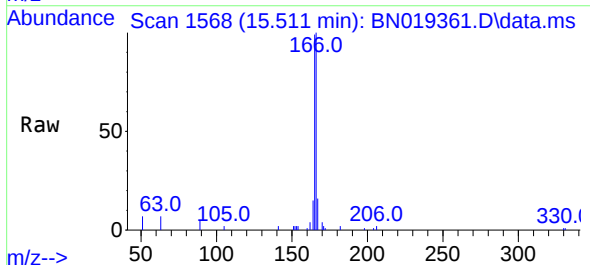
Manual Integrations
APPROVED

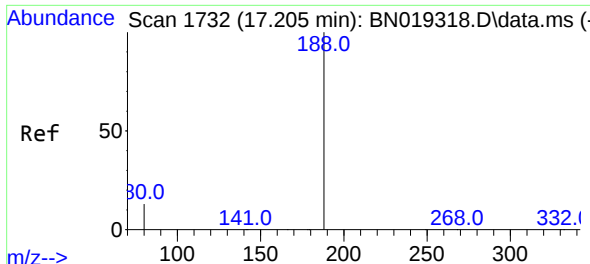
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#18
Fluorene
Concen: 0.247 ng m
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

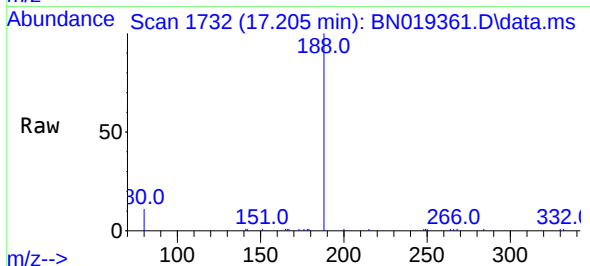
Tgt Ion:166 Resp: 7337
Ion Ratio Lower Upper
166 100
165 98.4 79.2 118.8
167 14.4 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

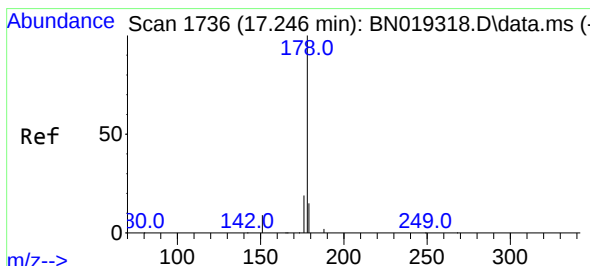
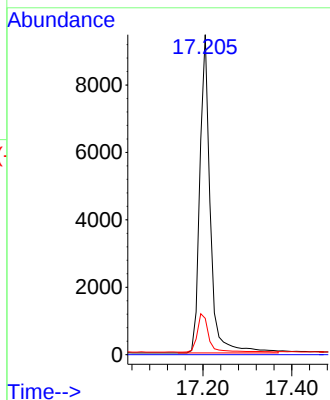
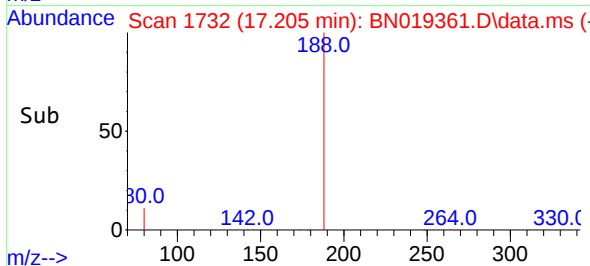
Instrument :
BNA_N
ClientSampleId :
A01015DL



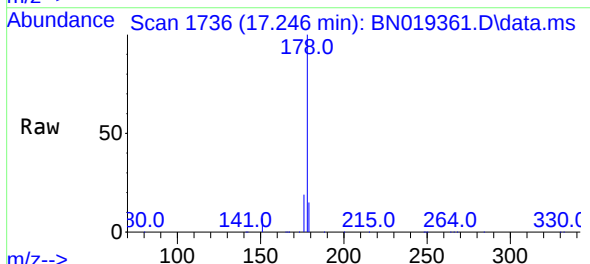
Tgt Ion:188 Resp: 1539
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.3 11.8 17.8

Manual Integrations
APPROVED

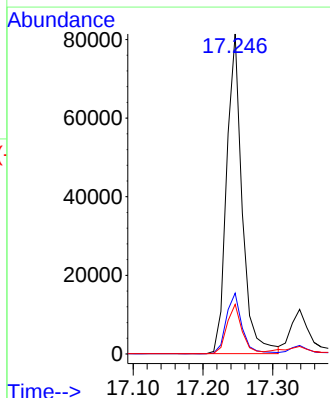
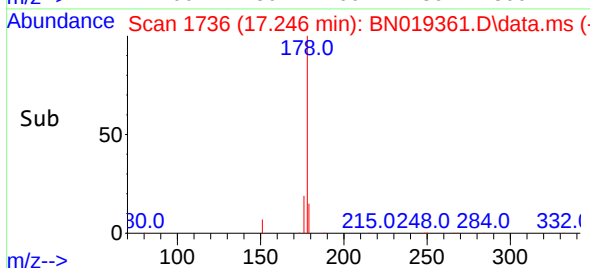
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

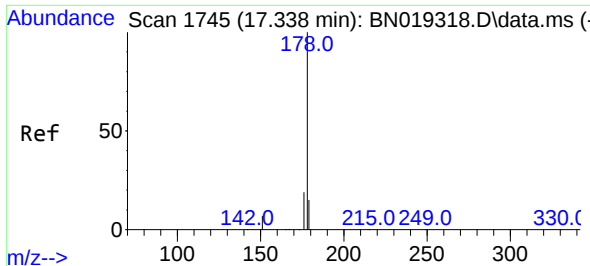


#25
Phenanthrene
Concen: 2.438 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52



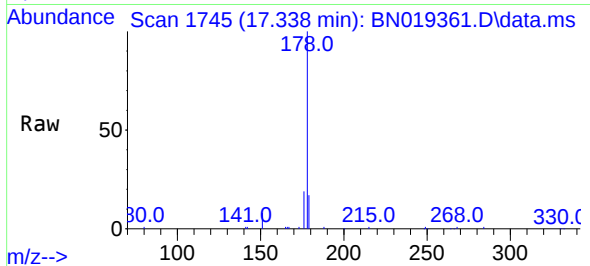
Tgt Ion:178 Resp: 125902
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.1 12.2 18.2





#26
 Anthracene
 Concen: 0.462 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019361.D
 Acq: 05 Apr 2022 21:52

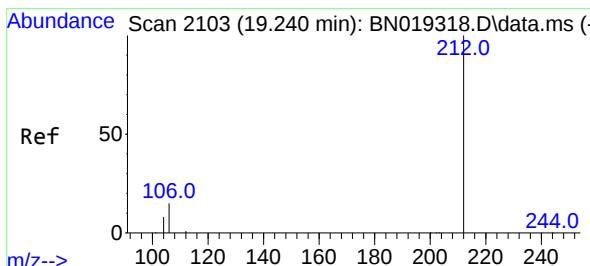
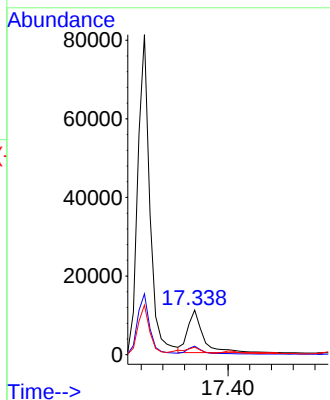
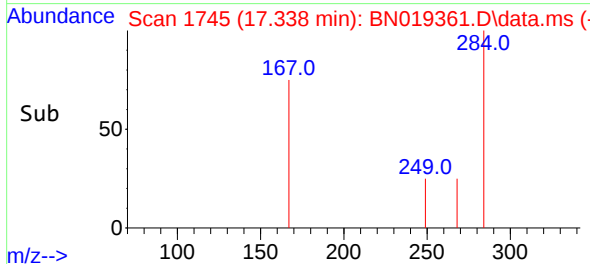
Instrument :
 BNA_N
 ClientSampleId :
 A01015DL



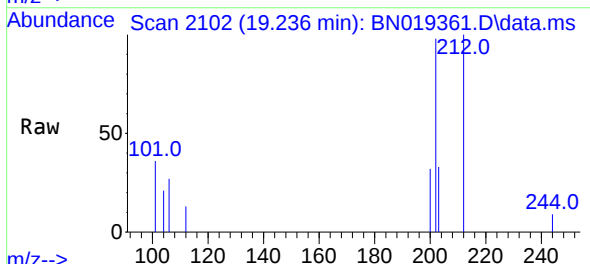
Tgt Ion:178 Resp: 2099
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.8 22.2
 179 15.4 12.2 18.4

Manual Integrations
 APPROVED

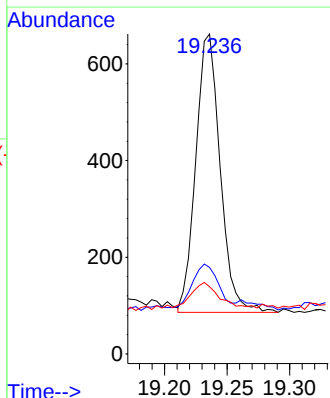
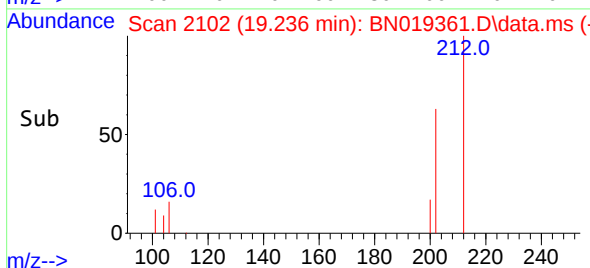
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/07/2022

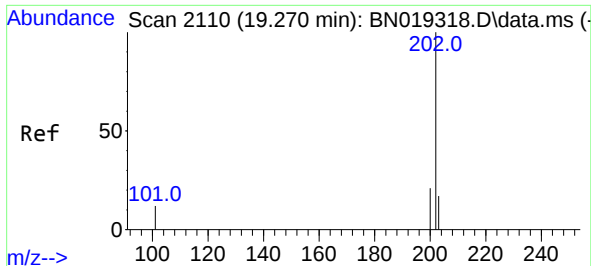


#27
 Fluoranthene-d10
 Concen: 0.016 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019361.D
 Acq: 05 Apr 2022 21:52



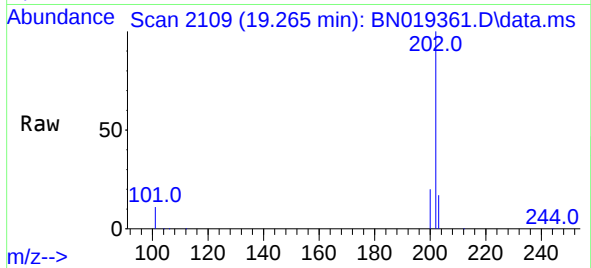
Tgt Ion:212 Resp: 780
 Ion Ratio Lower Upper
 212 100
 106 16.3 12.7 19.1
 104 12.7 7.1 10.7#





#28
Fluoranthene
Concen: 3.309 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

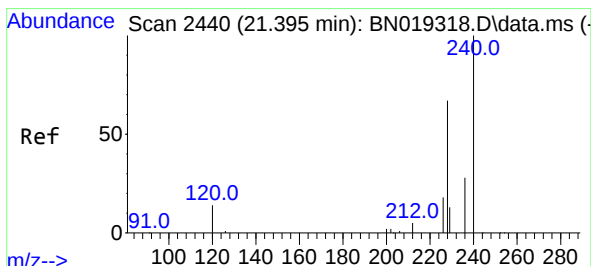
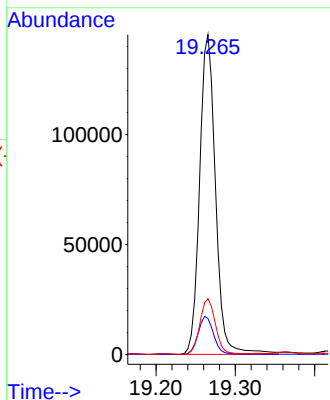
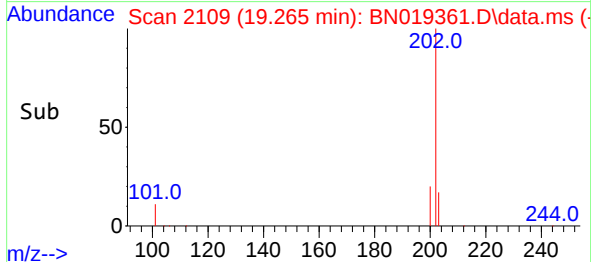
Instrument :
BNA_N
ClientSampleId :
A01015DL



Tgt Ion:202 Resp: 202690
Ion Ratio Lower Upper
202 100
101 11.8 9.8 14.6
203 17.0 13.7 20.5

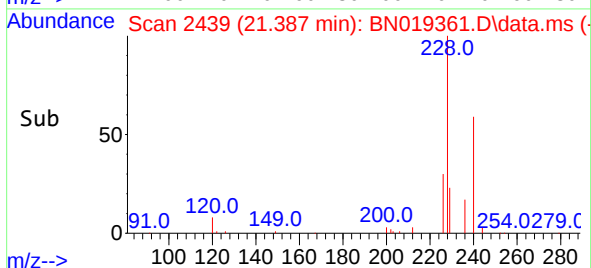
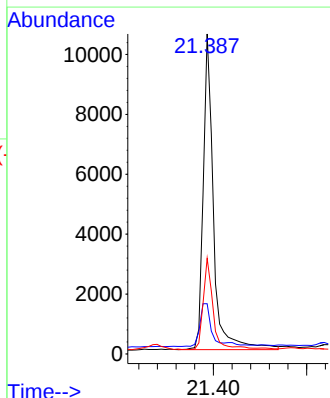
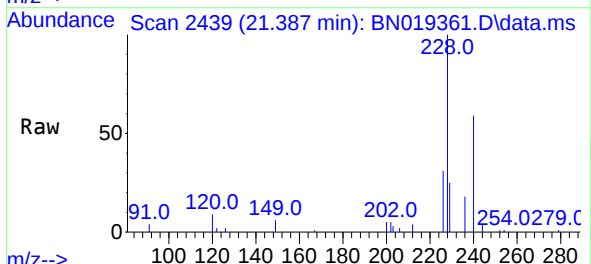
Manual Integrations
APPROVED

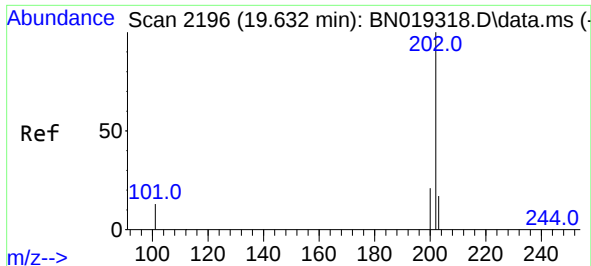
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.387 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

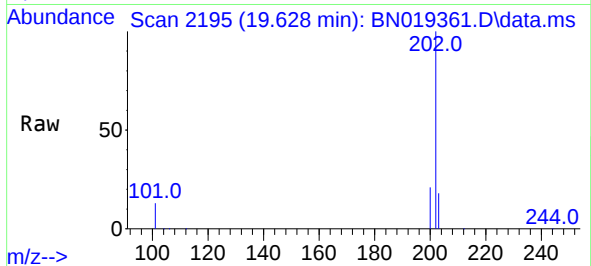
Tgt Ion:240 Resp: 16104
Ion Ratio Lower Upper
240 100
120 15.7 8.5 12.7#
236 29.9 22.4 33.6





#30
Pyrene
Concen: 2.184 ng
RT: 19.628 min Scan# 2196
Delta R.T. -0.004 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

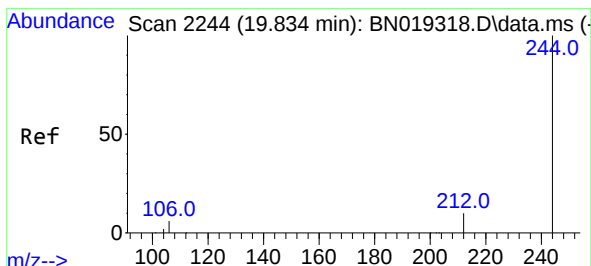
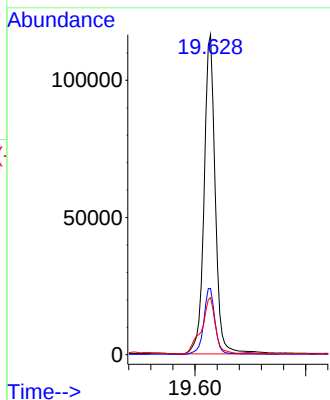
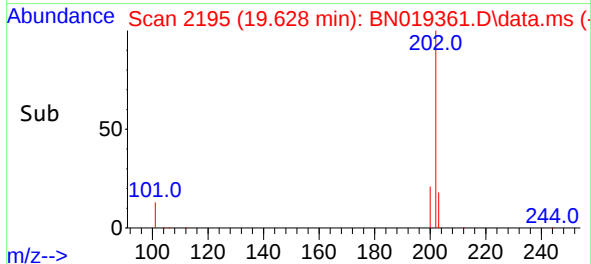
Instrument :
BNA_N
ClientSampleId :
A01015DL



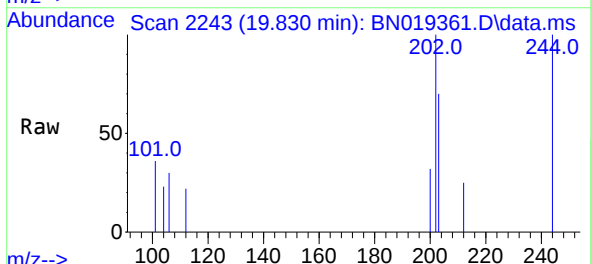
Tgt Ion:202 Resp: 16364
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 21.9 14.2 21.2

Manual Integrations
APPROVED

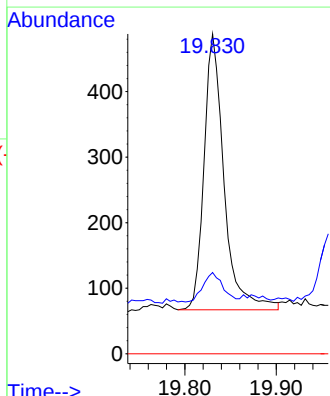
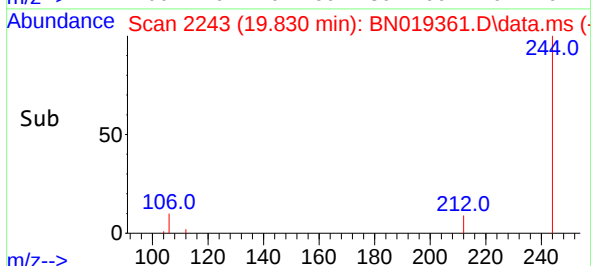
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

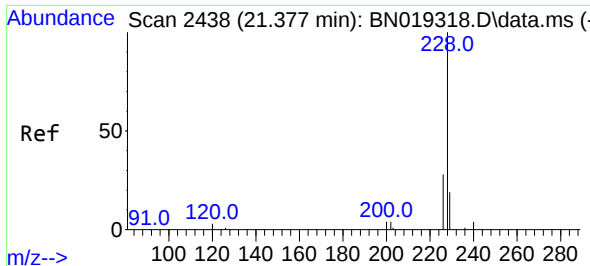


#31
Terphenyl-d14
Concen: 0.018 ng
RT: 19.830 min Scan# 2243
Delta R.T. -0.004 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52



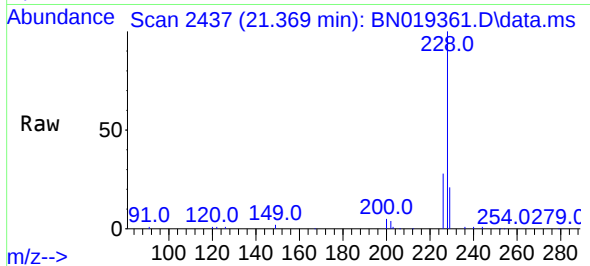
Tgt Ion:244 Resp: 641
Ion Ratio Lower Upper
244 100
212 25.4 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.528 ng
RT: 21.369 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

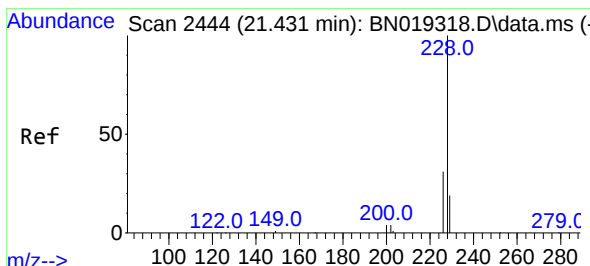
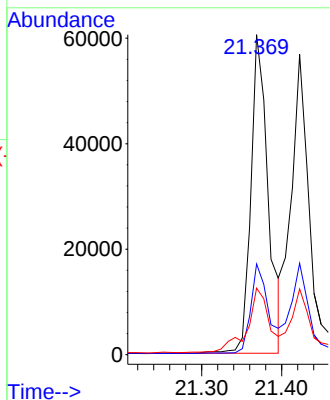
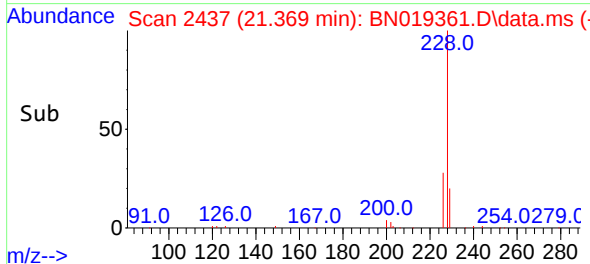
Instrument :
BNA_N
ClientSampleId :
A01015DL



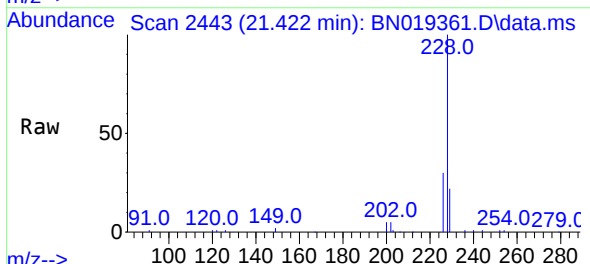
Tgt Ion:228 Resp: 9091
Ion Ratio Lower Upper
228 100
226 28.3 21.9 32.9
229 20.8 16.0 24.0

Manual Integrations
APPROVED

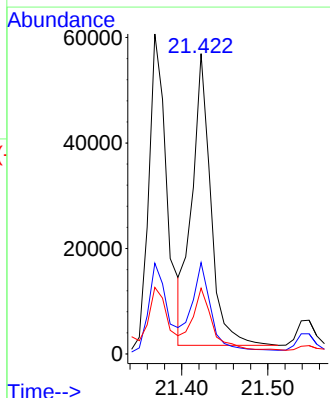
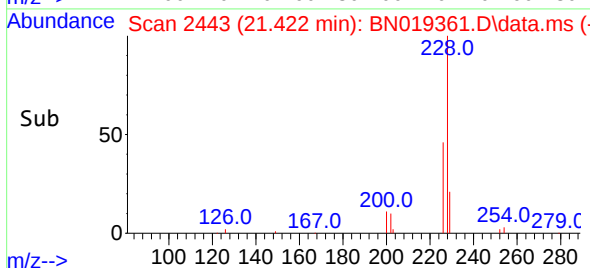
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

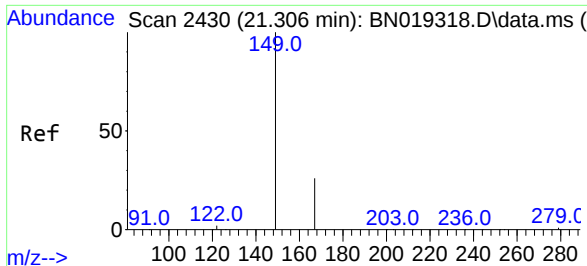


#33
Chrysene
Concen: 1.272 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52



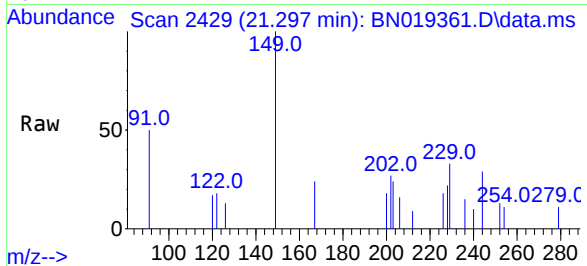
Tgt Ion:228 Resp: 84095
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 21.9 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.025 ng
RT: 21.297 min Scan# 2430
Delta R.T. -0.009 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

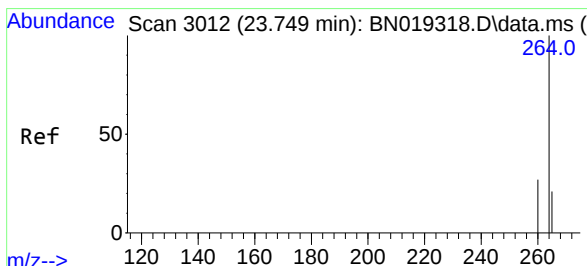
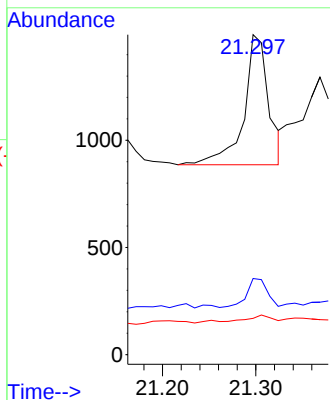
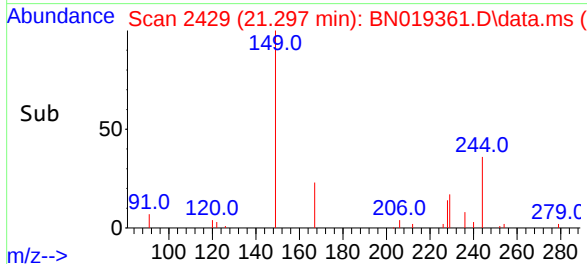
Instrument :
BNA_N
ClientSampleId :
A01015DL



Tgt Ion:149 Resp: 1119
Ion Ratio Lower Upper
149 100
167 19.0 21.8 32.8
279 4.5 2.0 3.0

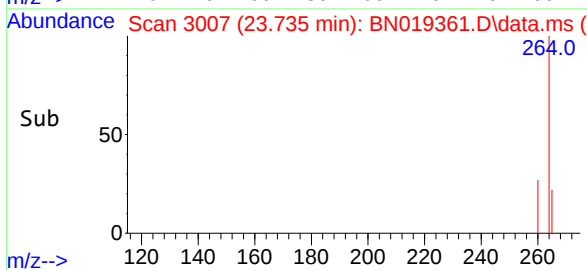
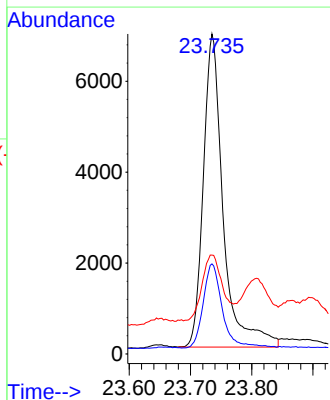
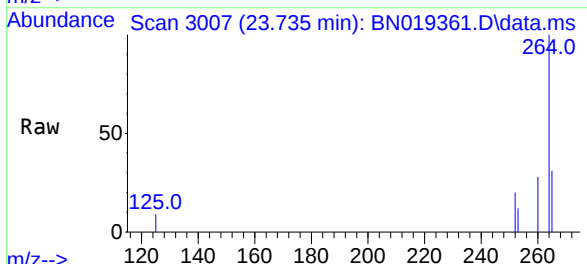
Manual Integrations
APPROVED

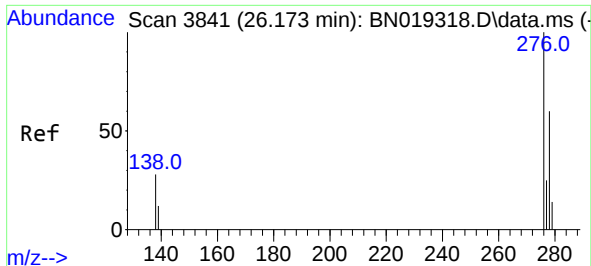
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.735 min Scan# 3007
Delta R.T. -0.014 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

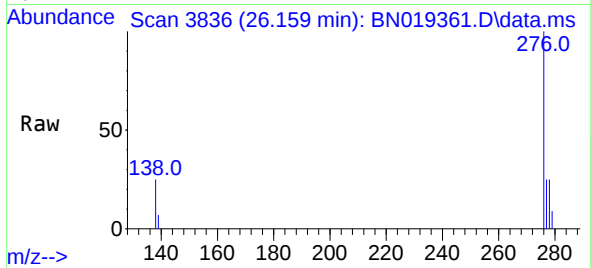
Tgt Ion:264 Resp: 15511
Ion Ratio Lower Upper
264 100
260 28.2 22.4 33.6
265 30.9 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.528 ng
RT: 26.159 min Scan# 3841
Delta R.T. -0.014 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

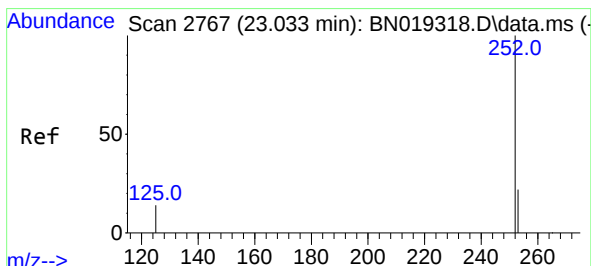
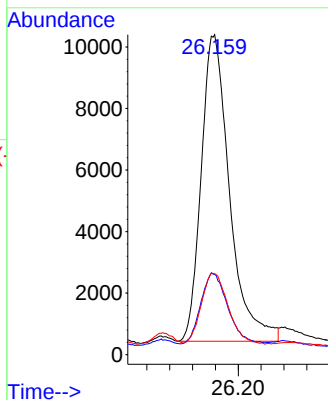
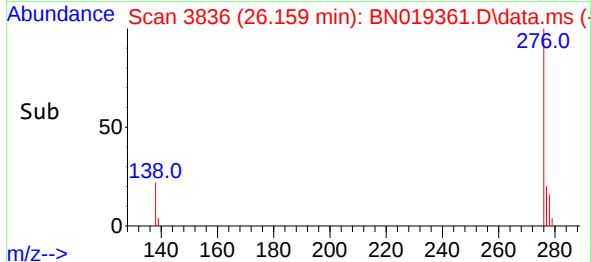
Instrument :
BNA_N
ClientSampleId :
A01015DL



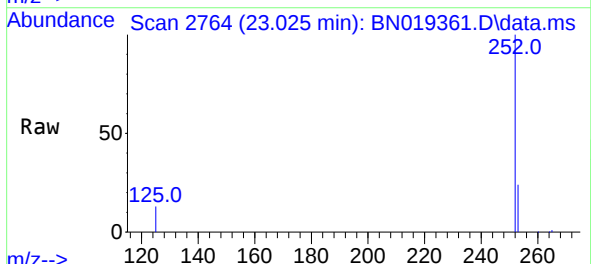
Tgt Ion:276 Resp: 34290
Ion Ratio Lower Upper
276 100
138 21.8 24.5 36.7
277 21.8 19.8 29.8

Manual Integrations
APPROVED

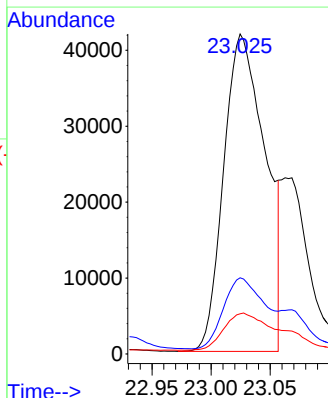
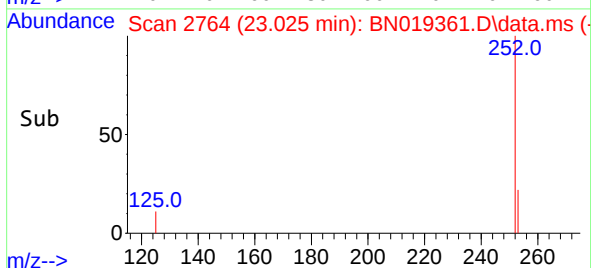
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

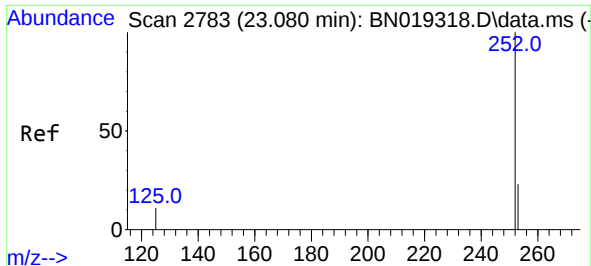


#37
Benzo(b)fluoranthene
Concen: 1.683 ng
RT: 23.025 min Scan# 2764
Delta R.T. -0.009 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52



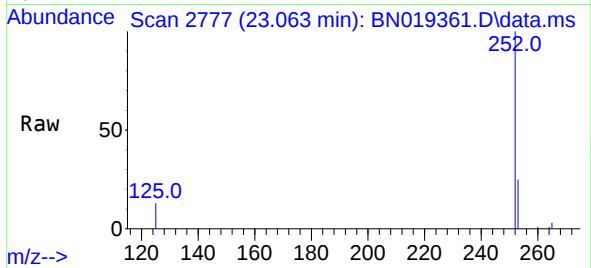
Tgt Ion:252 Resp: 102314
Ion Ratio Lower Upper
252 100
253 23.8 18.9 28.3
125 12.6 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 0.562 ng m
RT: 23.063 min Scan# 21
Delta R.T. -0.017 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

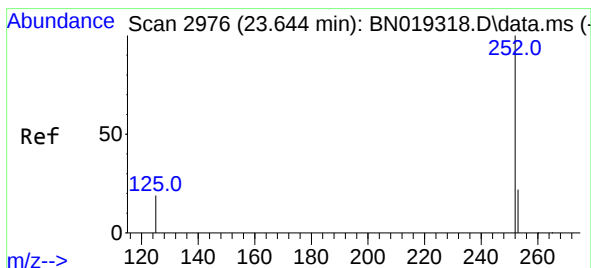
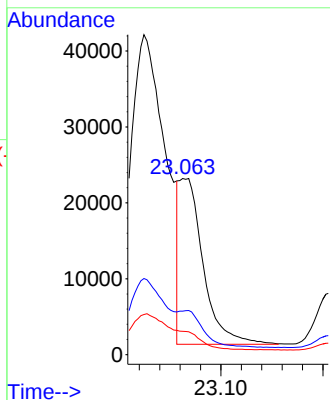
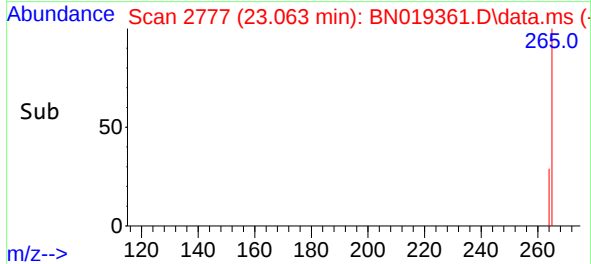
Instrument :
BNA_N
ClientSampleId :
A01015DL



Tgt Ion:252 Resp: 35719
Ion Ratio Lower Upper
252 100
253 24.7 18.9 28.3
125 13.3 10.3 15.5

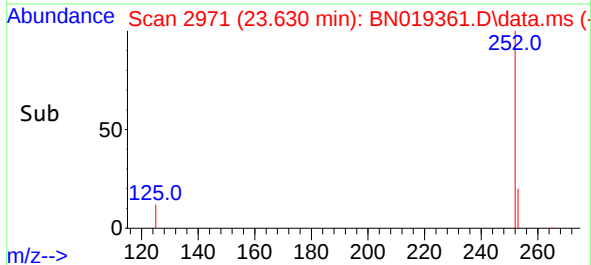
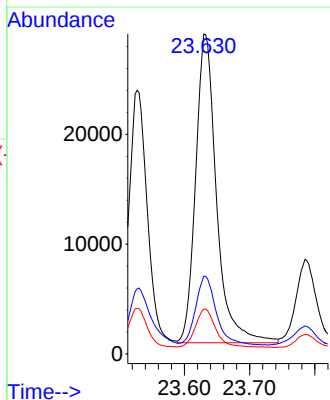
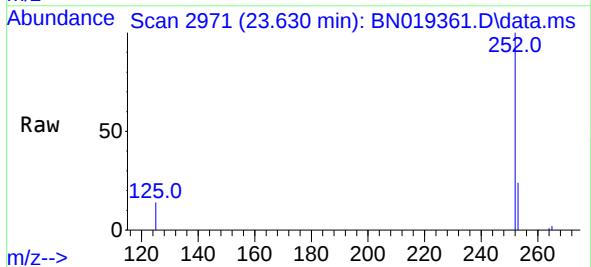
Manual Integrations
APPROVED

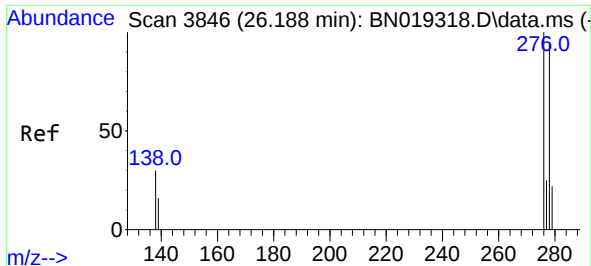
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#39
Benzo(a)pyrene
Concen: 1.145 ng m
RT: 23.630 min Scan# 2971
Delta R.T. -0.014 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

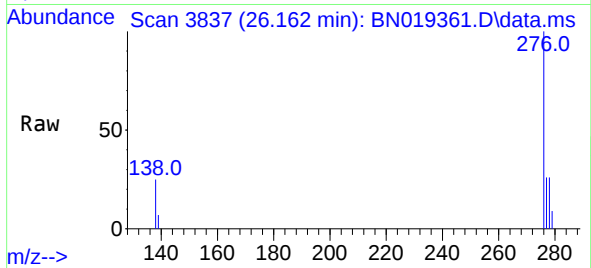
Tgt Ion:252 Resp: 62535
Ion Ratio Lower Upper
252 100
253 24.3 20.1 30.1
125 14.0 15.2 22.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.161 ng
RT: 26.162 min Scan# 3846
Delta R.T. -0.026 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52

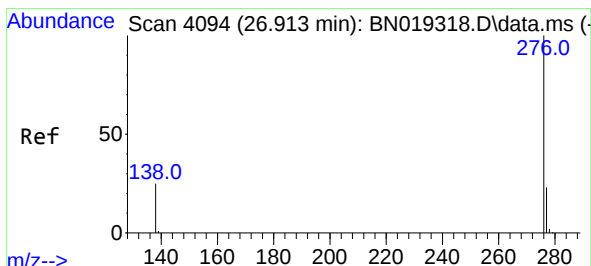
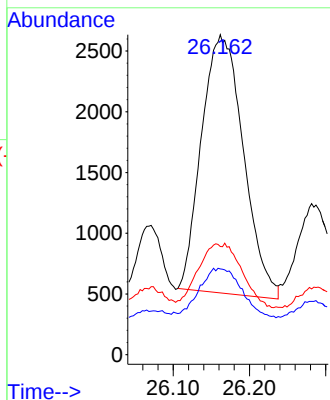
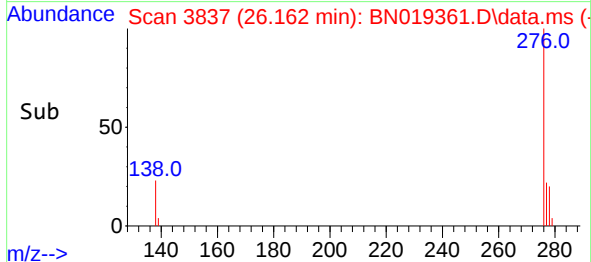
Instrument :
BNA_N
ClientSampleId :
A01015DL



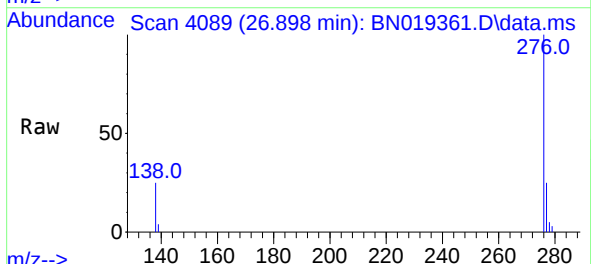
Tgt Ion: 278 Resp: 8100
Ion Ratio Lower Upper
278 100
139 26.8 17.2 25.8
279 33.8 19.9 29.9

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.563 ng
RT: 26.898 min Scan# 4089
Delta R.T. -0.014 min
Lab File: BN019361.D
Acq: 05 Apr 2022 21:52



Tgt Ion: 276 Resp: 33896
Ion Ratio Lower Upper
276 100
277 24.9 19.4 29.0
138 25.0 21.0 31.6

