

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019360.D
 Acq On : 05 Apr 2022 21:16
 Operator : CG/JU
 Sample : N2220-08 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP0331

Manual Integrations
 APPROVED

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

Quant Time: Apr 06 02:32:13 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 04 17:40:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	3153	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	10678	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	7543	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	17113	0.400	ng	# 0.00
29) Chrysene-d12	21.386	240	16572	0.400	ng	# 0.00
35) Perylene-d12	23.735	264	14771	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	585	0.069	ng	0.00
5) Phenol-d6	7.002	99	484	0.048	ng	0.01
8) Nitrobenzene-d5	9.003	82	388	0.040	ng	0.02
11) 2-Methylnaphthalene-d10	12.223	152	1148	0.061	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	249	0.054	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	1675	0.053	ng	0.00
27) Fluoranthene-d10	19.232	212	3183	0.058	ng	0.00
31) Terphenyl-d14	19.830	244	2006	0.056	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.680	128	29831	0.946	ng	100
12) 2-Methylnaphthalene	12.295	142	11095	0.508	ng	99
16) Acenaphthylene	14.185	152	15196	0.406	ng	100
17) Acenaphthene	14.527	154	7184	0.289	ng	99
18) Fluorene	15.511	166	12342	0.376	ng	98
25) Phenanthrene	17.246	178	146606	2.553	ng	100
26) Anthracene	17.338	178	30104	0.596	ng	98
28) Fluoranthene	19.261	202	254417	3.736	ng	99
30) Pyrene	19.624	202	218733	2.837	ng	# 96
32) Benzo(a)anthracene	21.369	228	111276	1.817	ng	97
33) Chrysene	21.422	228	103290	1.518	ng	98
34) Bis(2-ethylhexyl)phtha...	21.297	149	47126	1.034	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.159	276	42584	0.689	ng	# 88
37) Benzo(b)fluoranthene	23.024	252	127481	2.202	ng	98
38) Benzo(k)fluoranthene	23.065	252	43367m	0.717	ng	
39) Benzo(a)pyrene	23.630	252	75395	1.450	ng	96
40) Dibenzo(a,h)anthracene	26.159	278	9910	0.207	ng	# 79
41) Benzo(g,h,i)perylene	26.901	276	44202	0.771	ng	98

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

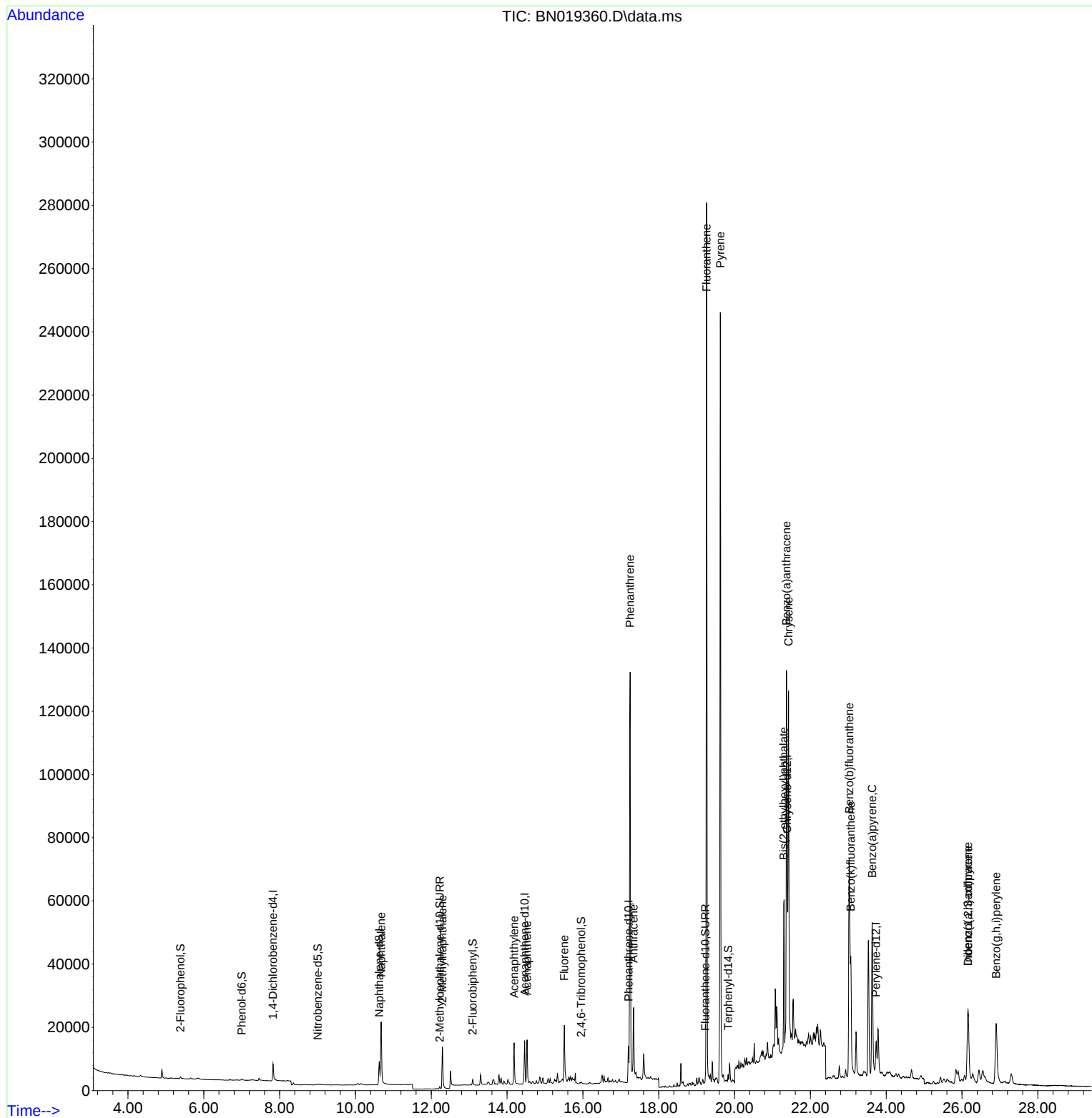
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
Data File : BN019360.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

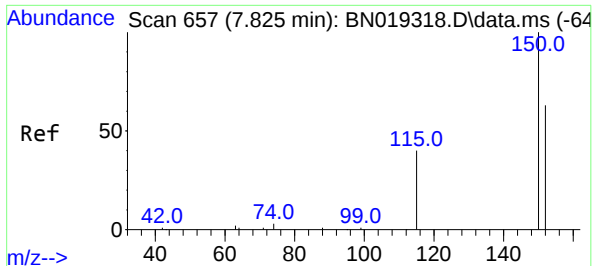
Instrument :
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ClientSampleId :
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Quant Time: Apr 06 02:32:13 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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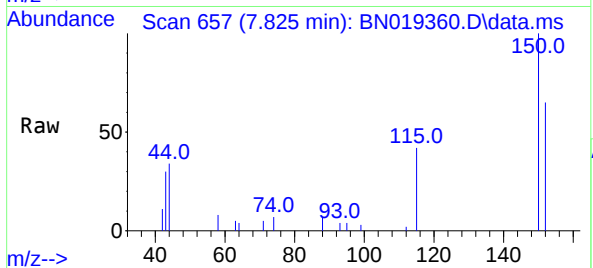
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 657
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

Instrument :

BNA_N

ClientSampleId :

DUP0331

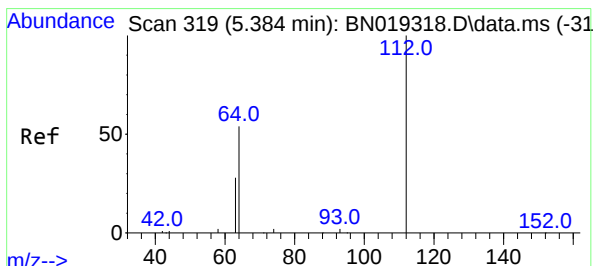
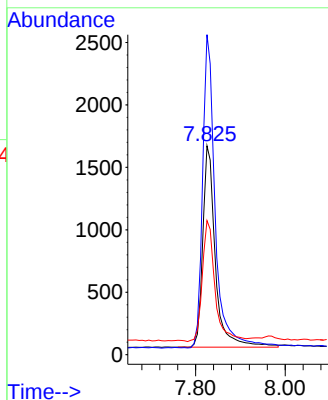
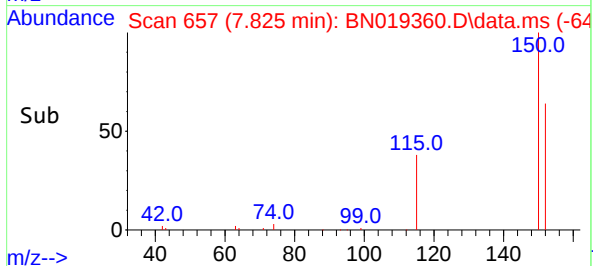


Tgt Ion:152 Resp: 315
Ion Ratio Lower Upper
152 100
150 153.2 123.9 185.9
115 64.2 48.2 72.4

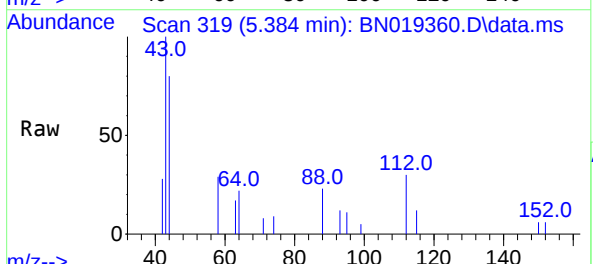
Manual Integrations

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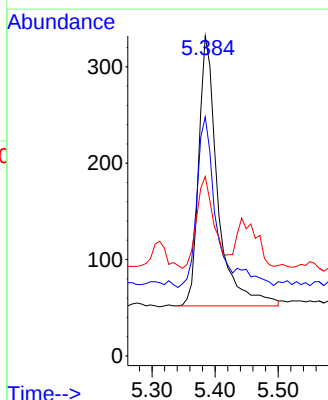
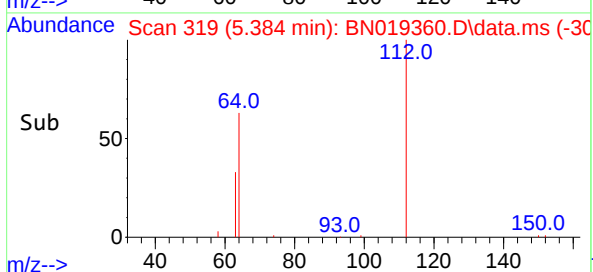
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

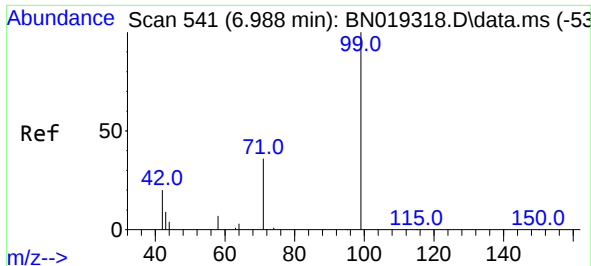


#4
2-Fluorophenol
Concen: 0.069 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



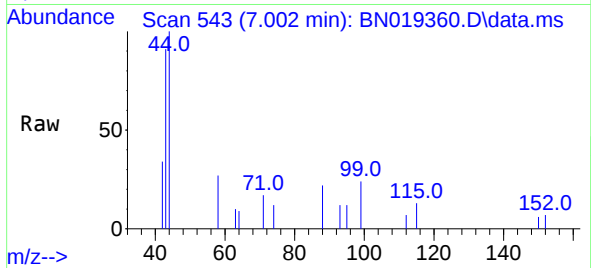
Tgt Ion:112 Resp: 585
Ion Ratio Lower Upper
112 100
64 59.0 47.8 71.8
63 31.1 25.7 38.5





#5
Phenol-d6
Concen: 0.048 ng
RT: 7.002 min Scan# 541
Delta R.T. 0.014 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

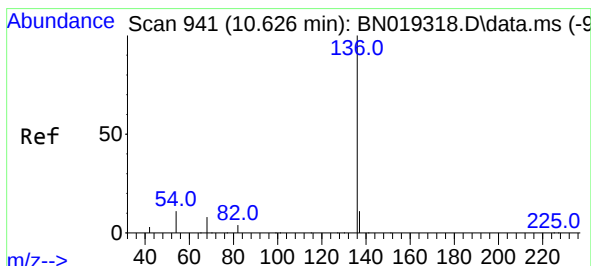
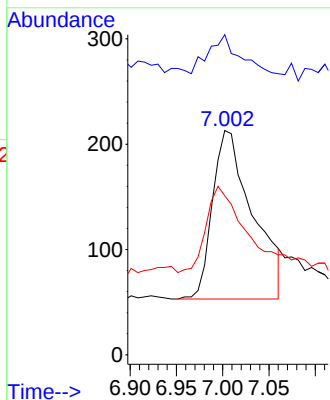
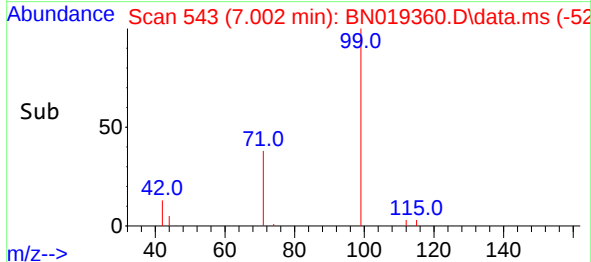
Instrument :
BNA_N
ClientSampleId :
DUP0331



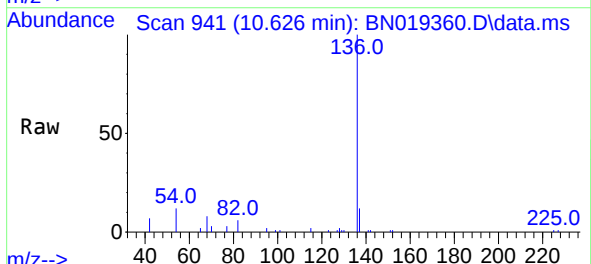
Tgt Ion: 99 Resp: 484
Ion Ratio Lower Upper
99 100
42 17.4 16.2 24.4
71 49.4 27.7 41.5

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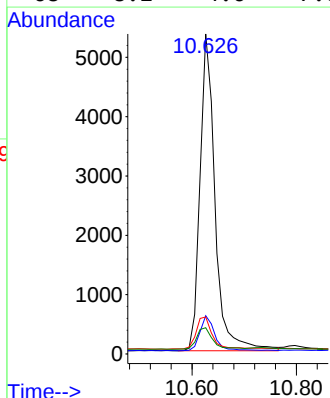
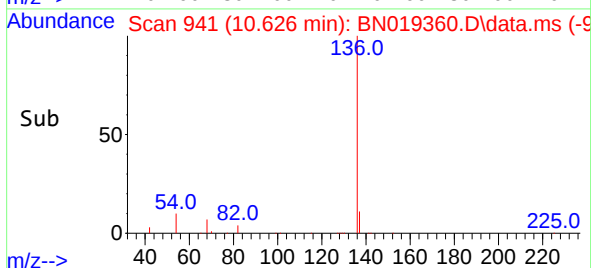
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

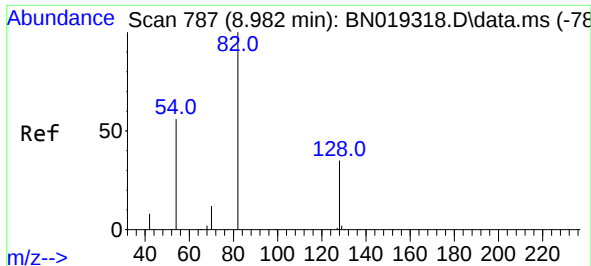


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



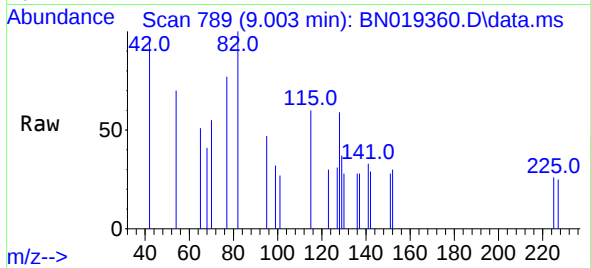
Tgt Ion:136 Resp: 10678
Ion Ratio Lower Upper
136 100
137 12.0 9.0 13.4
54 11.5 5.8 8.6#
68 8.2 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.040 ng
RT: 9.003 min Scan# 789
Delta R.T. 0.021 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

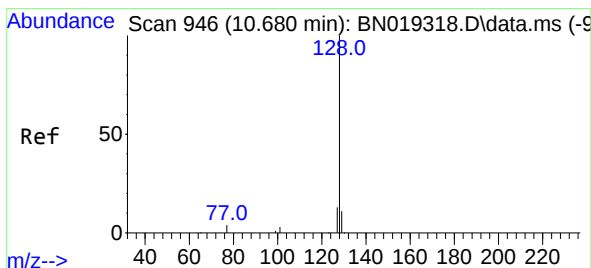
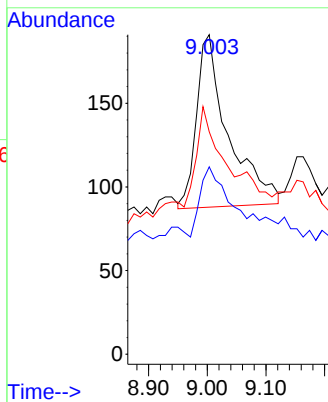
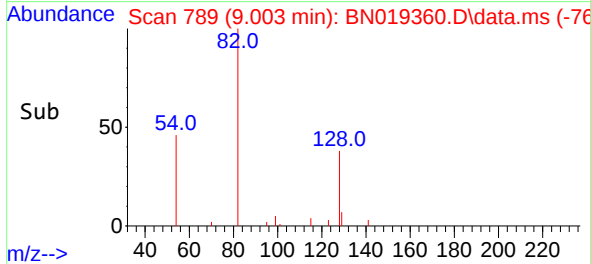
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 82 Resp: 388
Ion Ratio Lower Upper
82 100
128 58.6 33.0 49.6
54 69.6 42.5 63.7

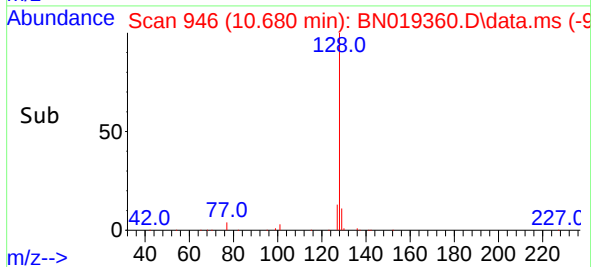
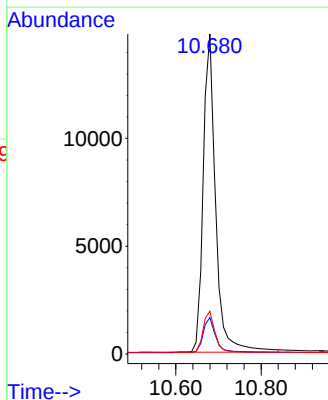
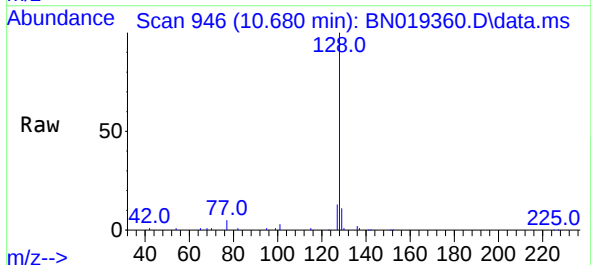
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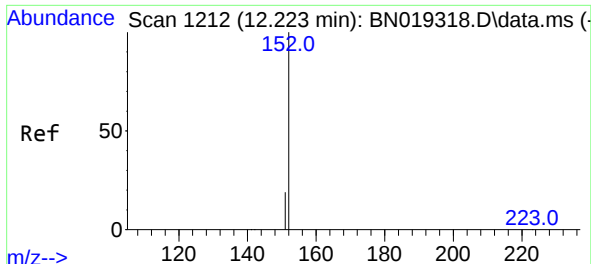
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#9
Naphthalene
Concen: 0.946 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

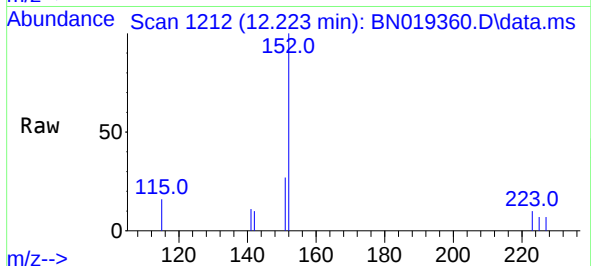
Tgt Ion:128 Resp: 29831
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.4 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.061 ng
RT: 12.223 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

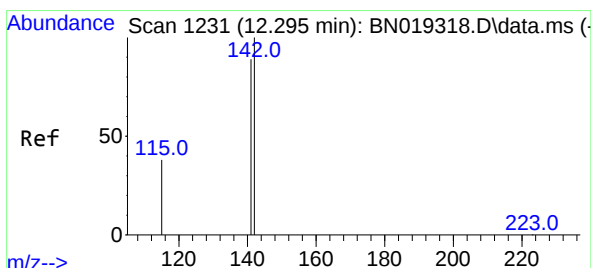
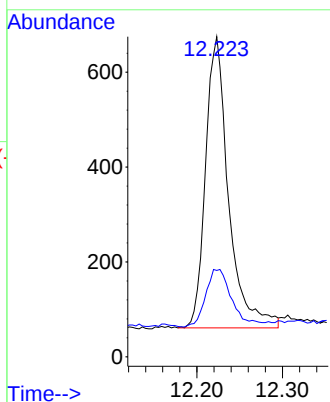
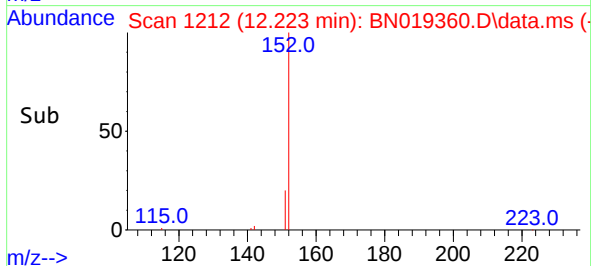
Instrument :
BNA_N
ClientSampleId :
DUP0331



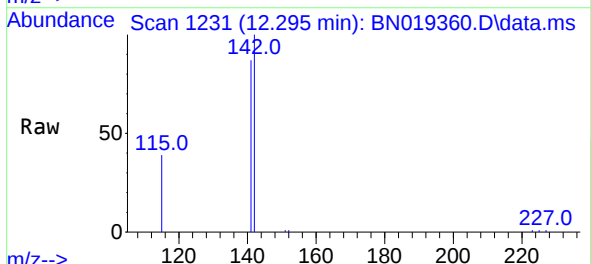
Tgt Ion:152 Resp: 1148
Ion Ratio Lower Upper
152 100
151 22.4 16.5 24.7

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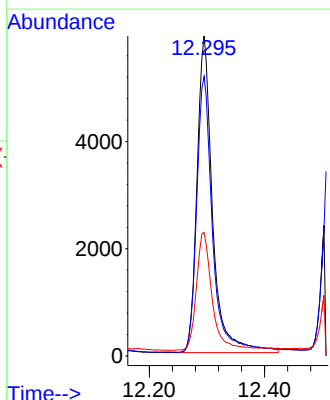
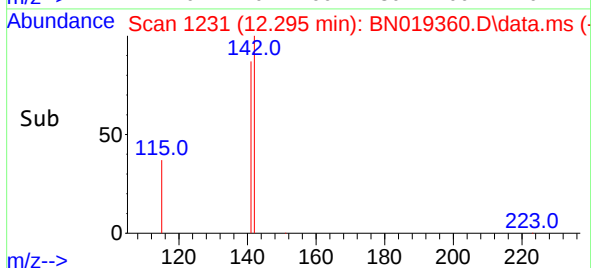
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

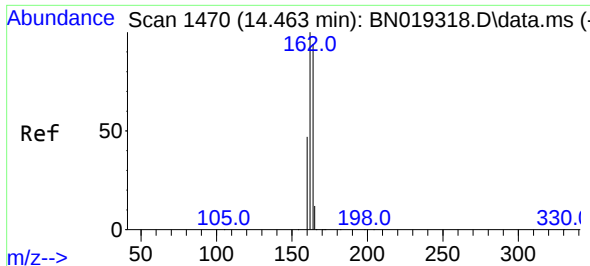


#12
2-Methylnaphthalene
Concen: 0.508 ng
RT: 12.295 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



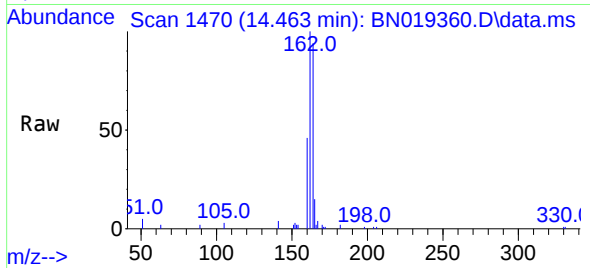
Tgt Ion:142 Resp: 11095
Ion Ratio Lower Upper
142 100
141 87.4 70.0 105.0
115 38.6 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

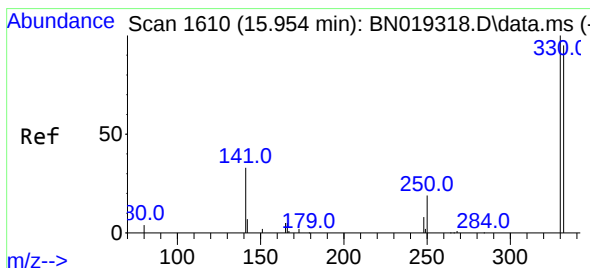
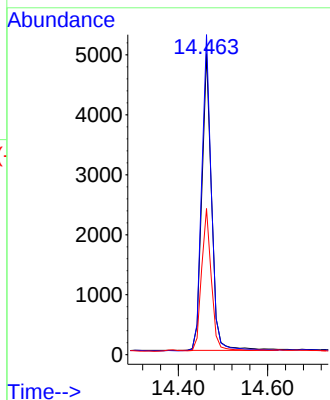
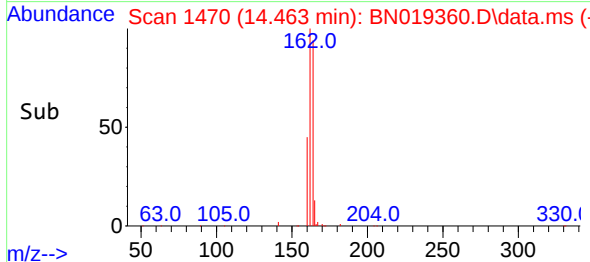
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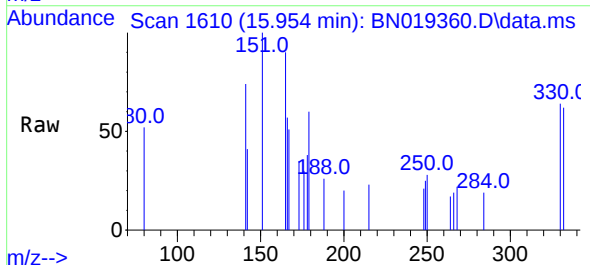
Tgt Ion:164 Resp: 754.0
Ion Ratio Lower Upper
164 100
162 106.3 85.2 127.8
160 48.5 41.5 62.3

Manual Integrations
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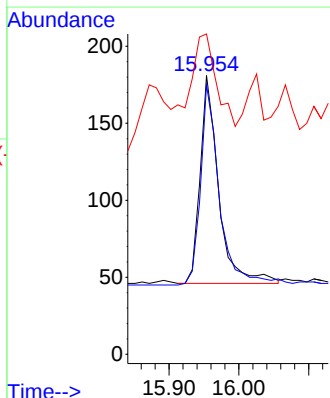
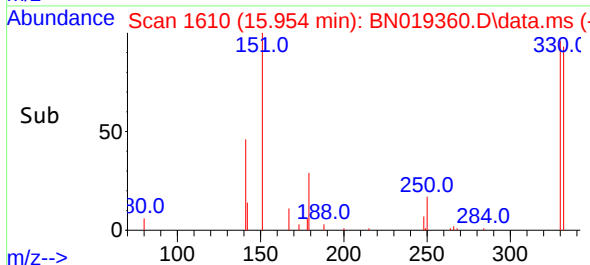
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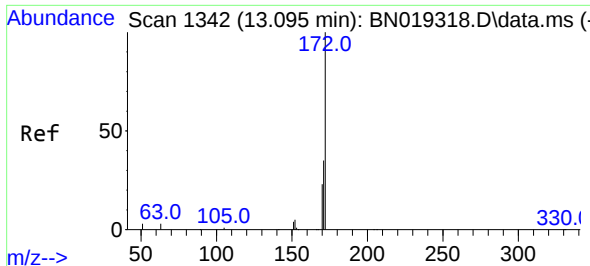


#14
2,4,6-Tribromophenol
Concen: 0.054 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



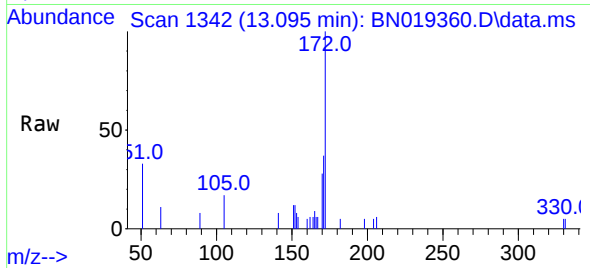
Tgt Ion:330 Resp: 249
Ion Ratio Lower Upper
330 100
332 98.8 76.8 115.2
141 59.4 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.053 ng
RT: 13.095 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

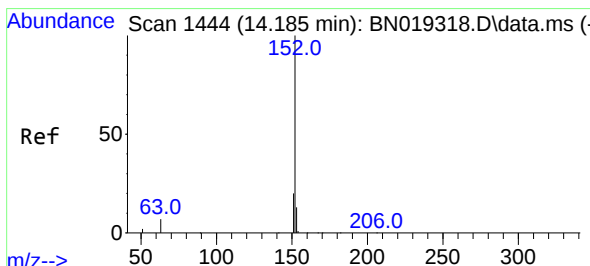
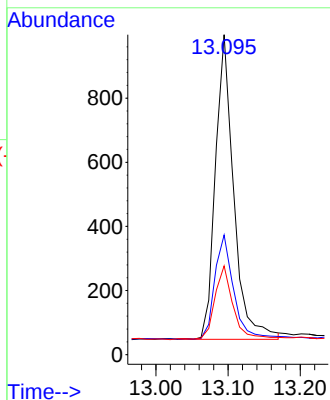
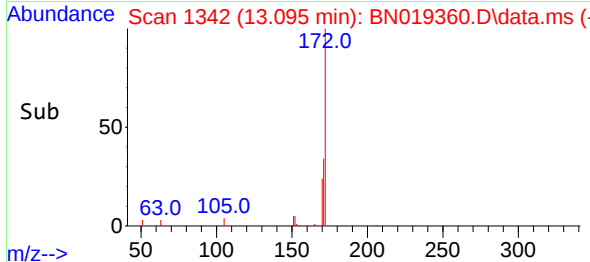
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Tgt Ion:	172	Resp:	167
Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.2	42.2
170	27.8	18.7	28.1

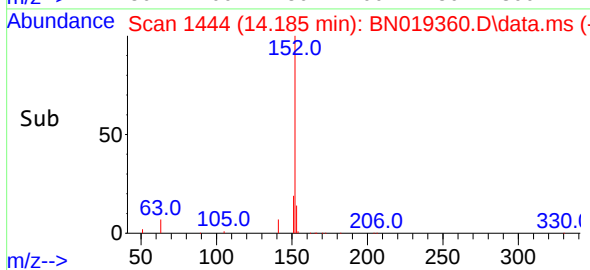
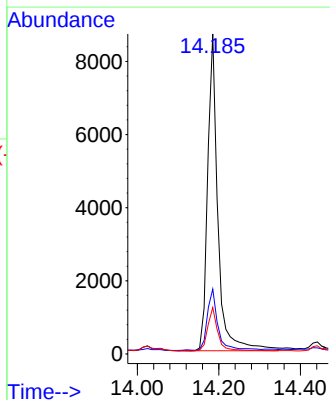
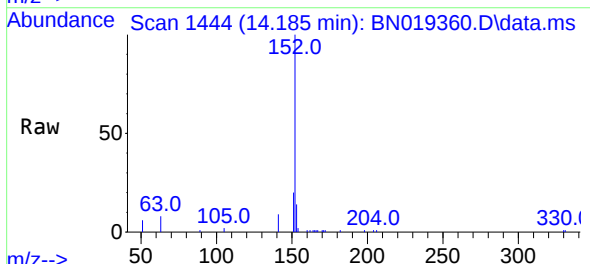
Manual Integrations
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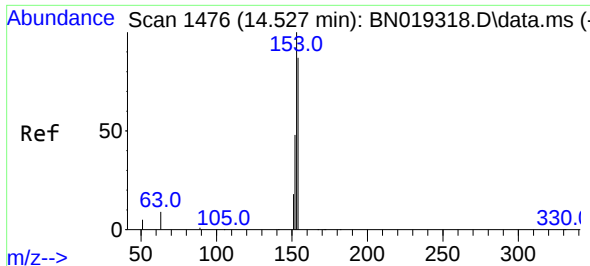
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#16
Acenaphthylene
Concen: 0.406 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

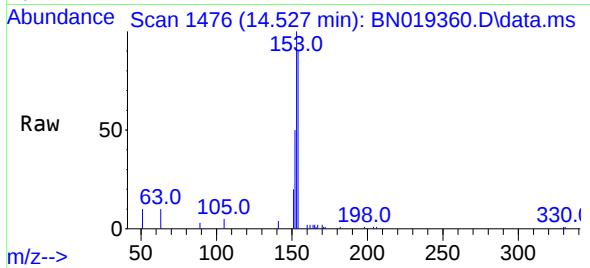
Tgt Ion:	152	Resp:	15196
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.5	10.6	15.8





#17
Acenaphthene
Concen: 0.289 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

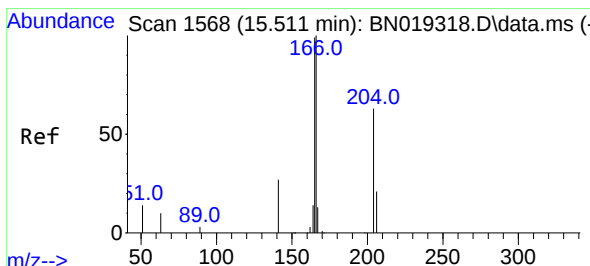
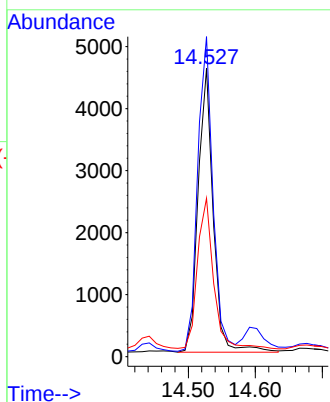
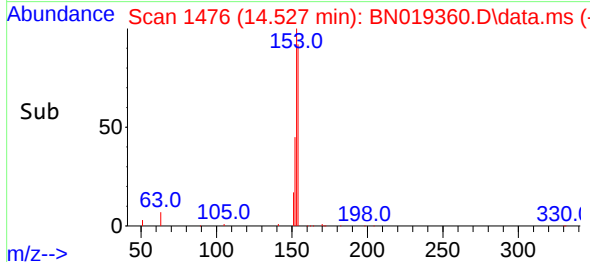
Instrument :
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ClientSampleId :
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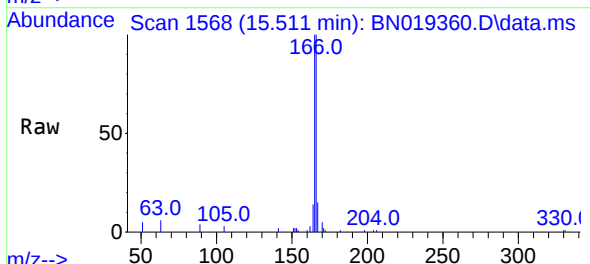
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Ion Ratio Lower Upper
154 100
153 111.5 89.7 134.5
152 56.5 44.7 67.1

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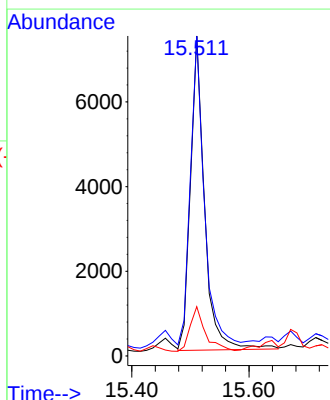
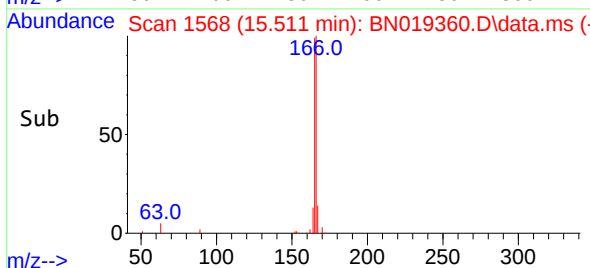
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

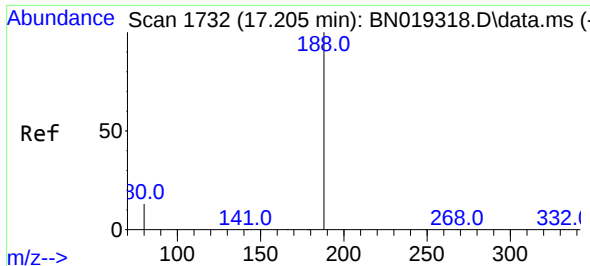


#18
Fluorene
Concen: 0.376 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



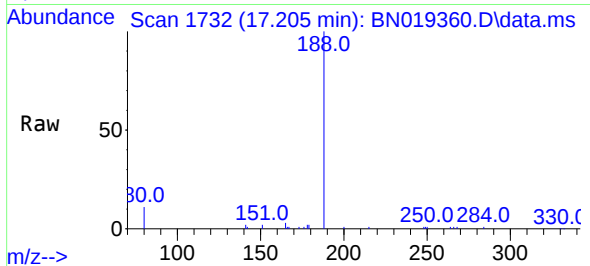
Tgt Ion:166 Resp: 12342
Ion Ratio Lower Upper
166 100
165 97.2 79.2 118.8
167 15.5 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

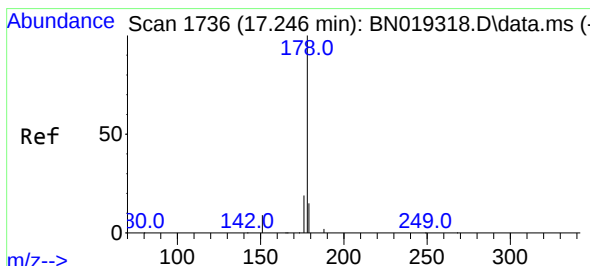
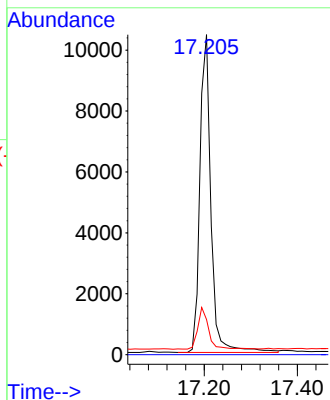
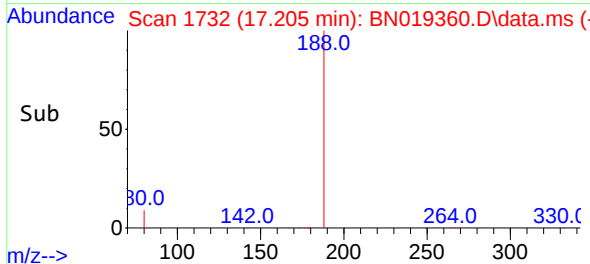
Instrument :
BNA_N
ClientSampleId :
DUP0331



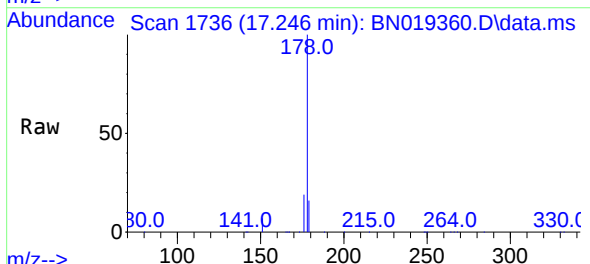
Tgt Ion:188 Resp: 1711
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 11.8 17.8

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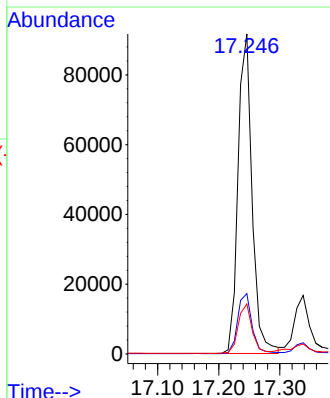
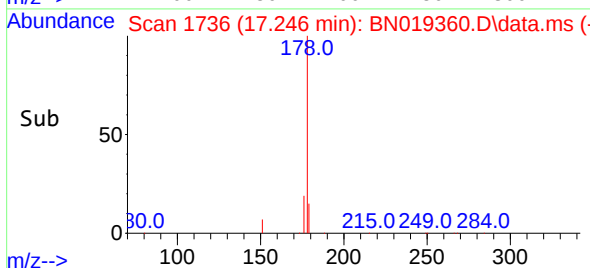
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

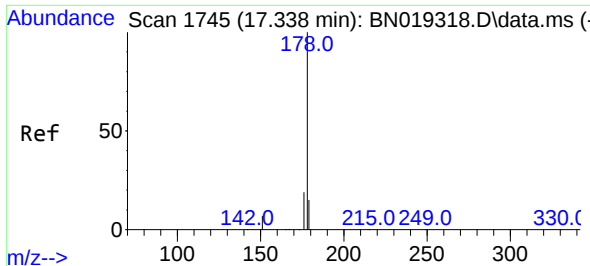


#25
Phenanthrene
Concen: 2.553 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



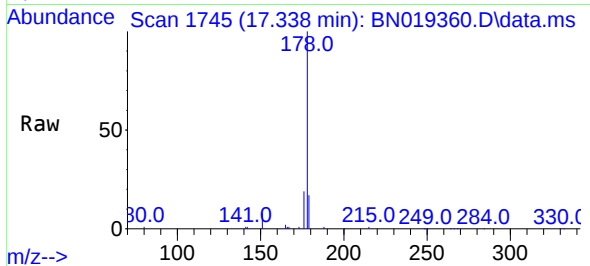
Tgt Ion:178 Resp: 146606
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.4 12.2 18.2





#26
 Anthracene
 Concen: 0.596 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16

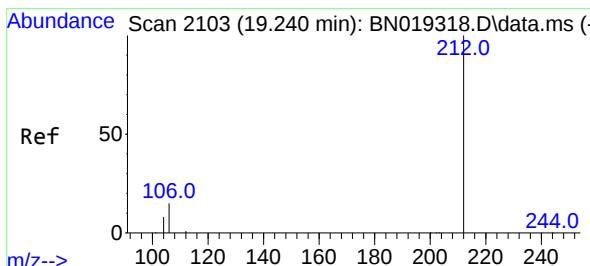
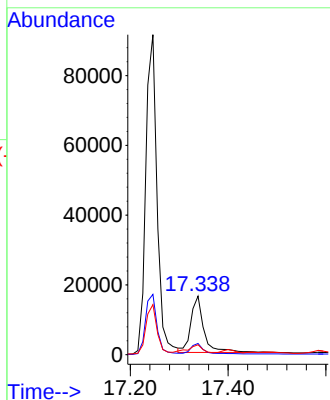
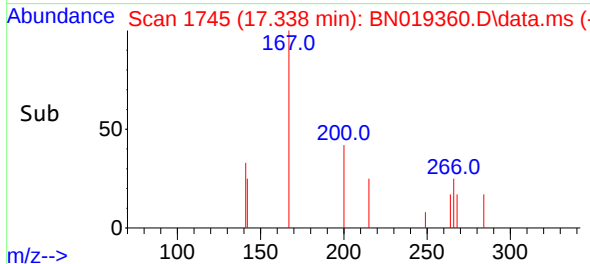
Instrument :
 BNA_N
 ClientSampleId :
 DUP0331



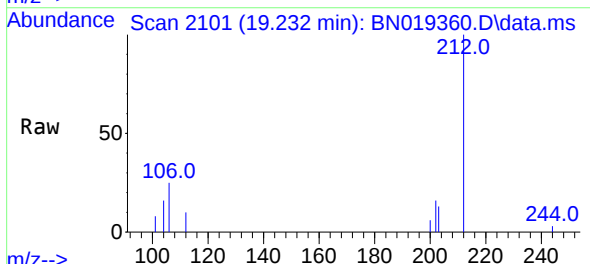
Tgt Ion:178 Resp: 30104
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.8 22.2
 179 14.7 12.2 18.4

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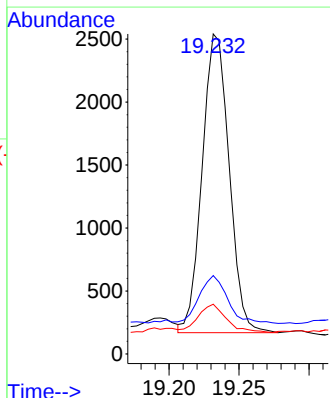
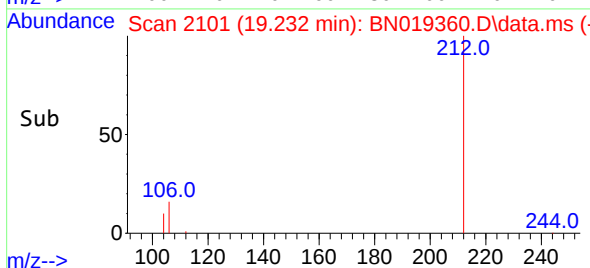
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/07/2022

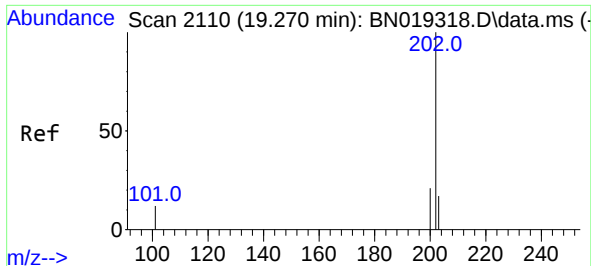


#27
 Fluoranthene-d10
 Concen: 0.058 ng
 RT: 19.232 min Scan# 2101
 Delta R.T. -0.008 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16



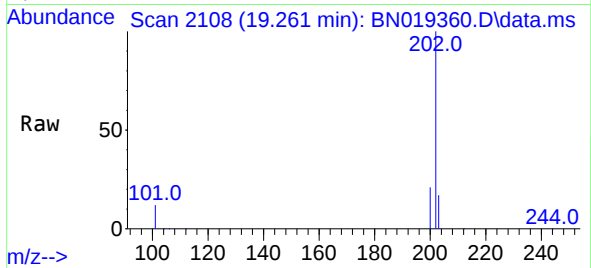
Tgt Ion:212 Resp: 3183
 Ion Ratio Lower Upper
 212 100
 106 16.7 12.7 19.1
 104 10.3 7.1 10.7





#28
Fluoranthene
Concen: 3.736 ng
RT: 19.261 min Scan# 2110
Delta R.T. -0.008 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

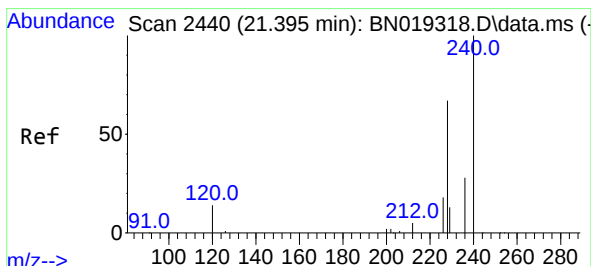
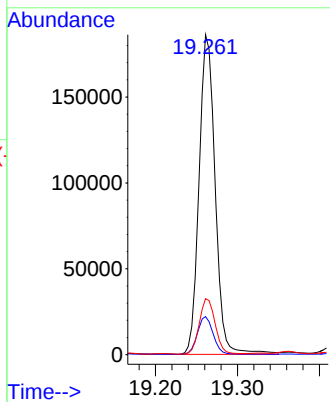
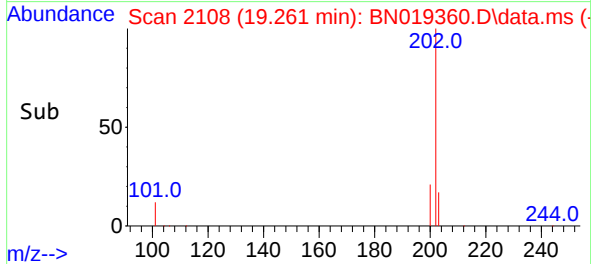
Instrument :
BNA_N
ClientSampleId :
DUP0331



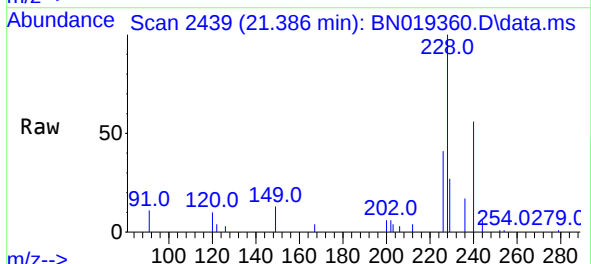
Tgt Ion:202 Resp: 25441
Ion Ratio Lower Upper
202 100
101 11.6 9.8 14.6
203 17.1 13.7 20.5

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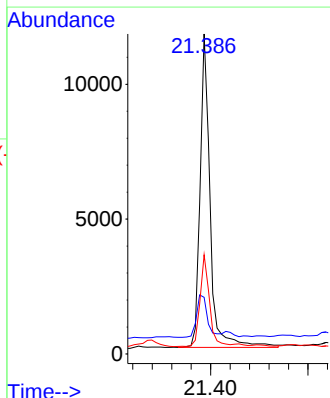
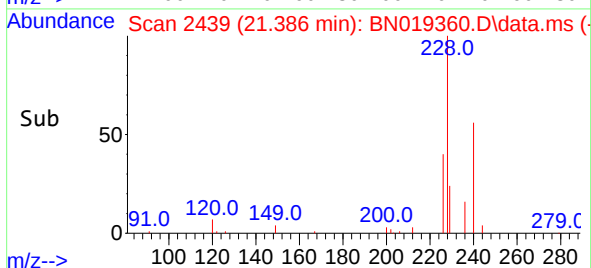
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

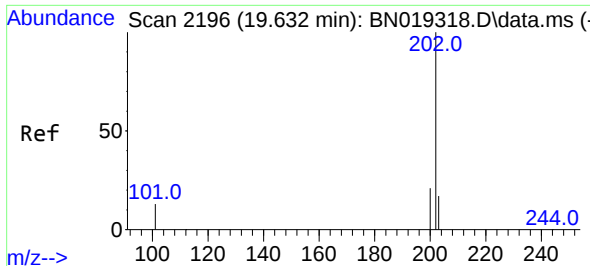


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



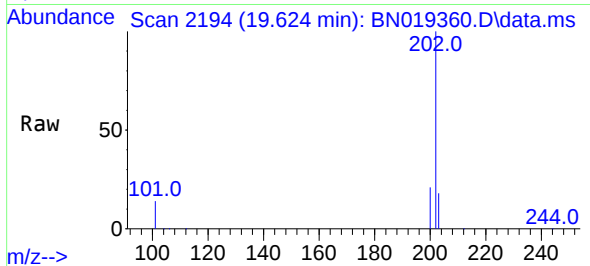
Tgt Ion:240 Resp: 16572
Ion Ratio Lower Upper
240 100
120 17.7 8.5 12.7#
236 31.0 22.4 33.6





#30
Pyrene
Concen: 2.837 ng
RT: 19.624 min Scan# 2196
Delta R.T. -0.008 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

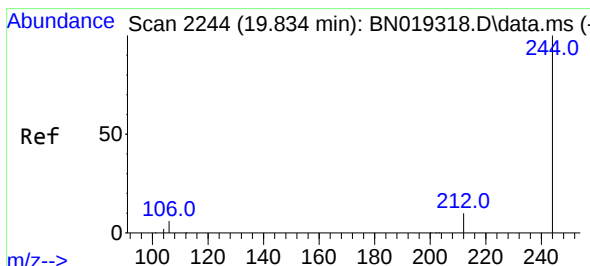
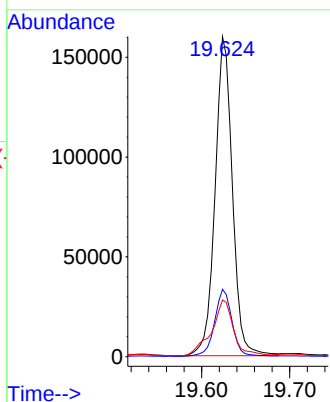
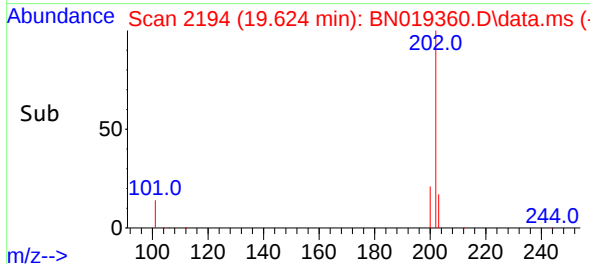
Instrument :
BNA_N
ClientSampleId :
DUP0331



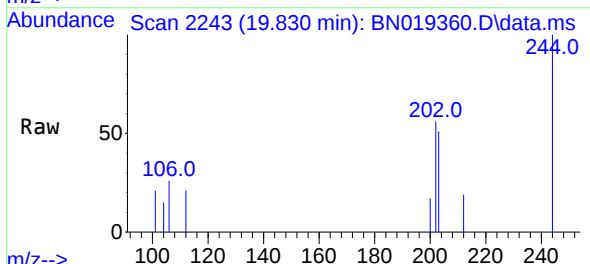
Tgt Ion:202 Resp: 21873
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 21.9 14.2 21.2

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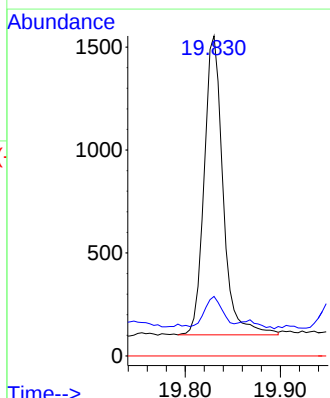
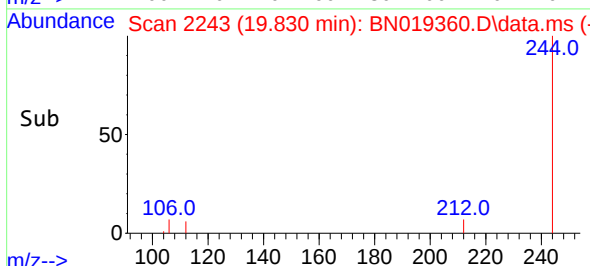
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

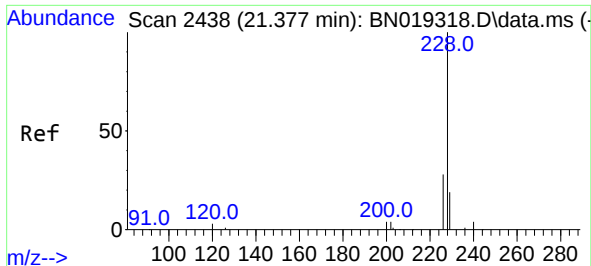


#31
Terphenyl-d14
Concen: 0.056 ng
RT: 19.830 min Scan# 2243
Delta R.T. -0.004 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



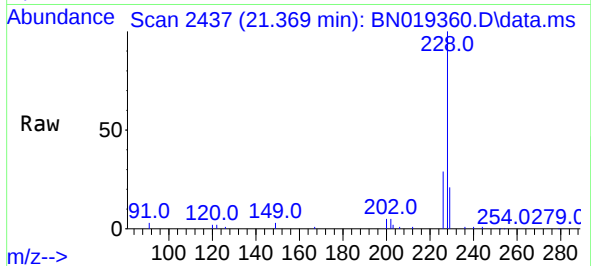
Tgt Ion:244 Resp: 2006
Ion Ratio Lower Upper
244 100
212 18.6 8.2 12.4
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.817 ng
RT: 21.369 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

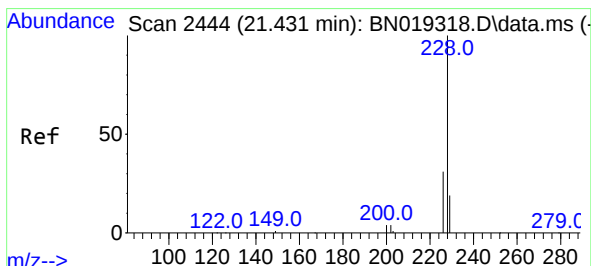
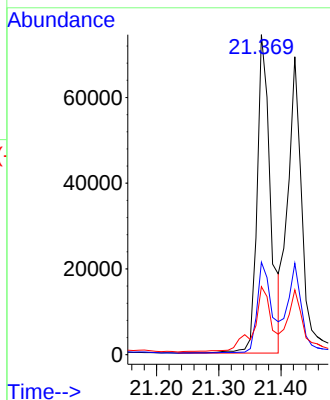
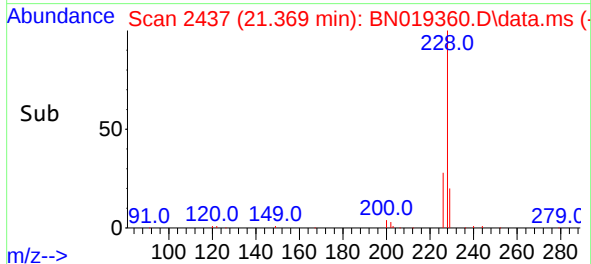
Instrument :
BNA_N
ClientSampleId :
DUP0331



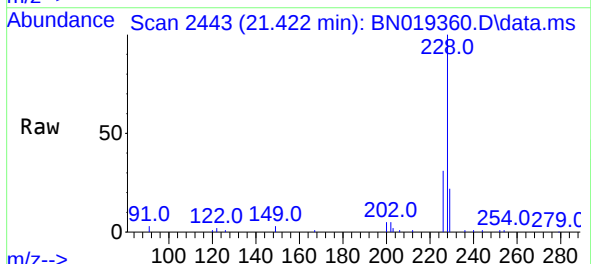
Tgt Ion:228 Resp: 111270
Ion Ratio Lower Upper
228 100
226 28.9 21.9 32.9
229 21.2 16.0 24.0

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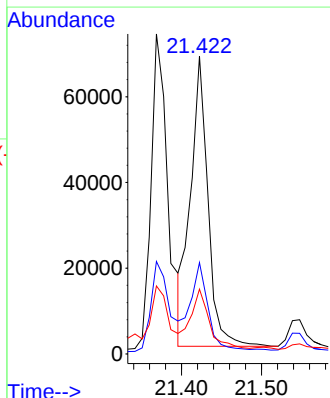
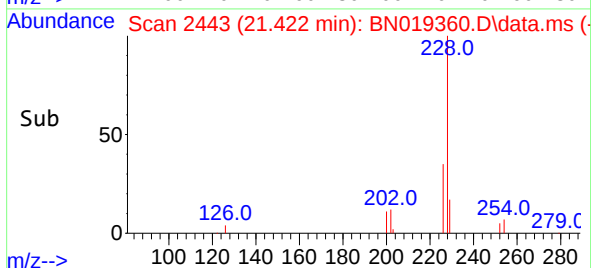
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

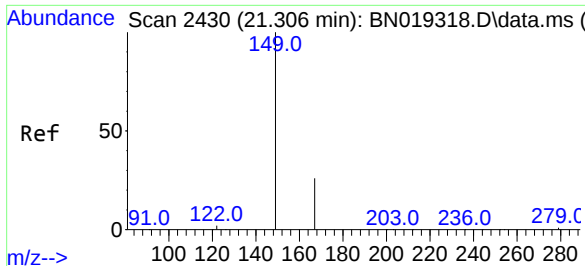


#33
Chrysene
Concen: 1.518 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



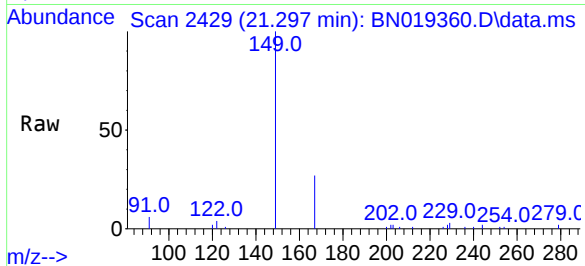
Tgt Ion:228 Resp: 103290
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 21.8 15.9 23.9





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.034 ng
 RT: 21.297 min Scan# 2430
 Delta R.T. -0.009 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16

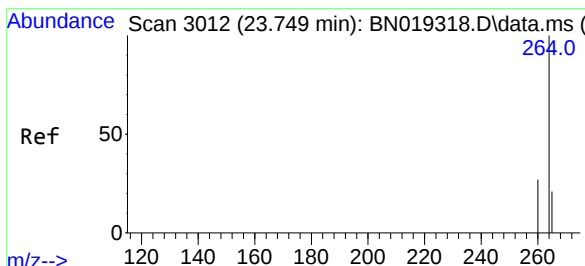
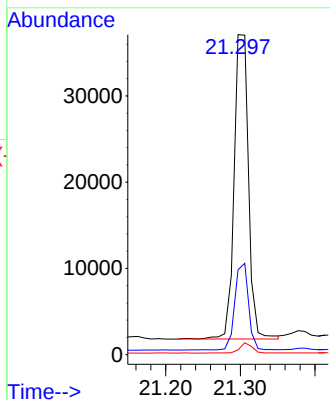
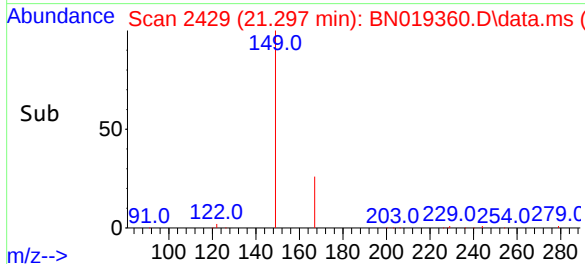
Instrument :
 BNA_N
 ClientSampleId :
 DUP0331



Tgt Ion:149 Resp: 47120
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.8 32.8
 279 3.0 2.0 3.0

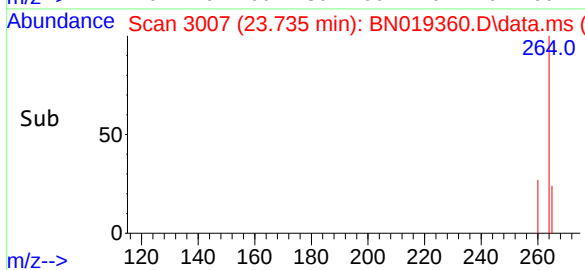
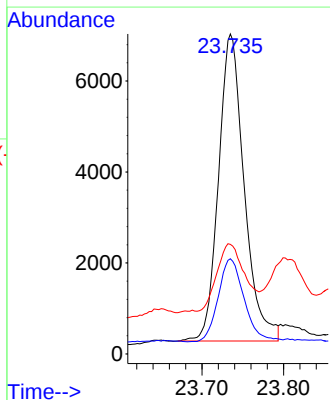
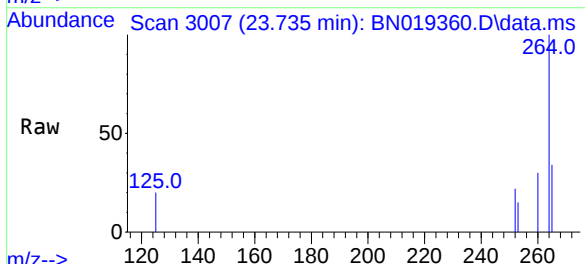
Manual Integrations
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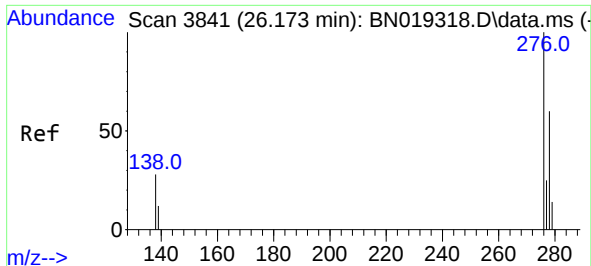
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/07/2022



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.735 min Scan# 3007
 Delta R.T. -0.015 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16

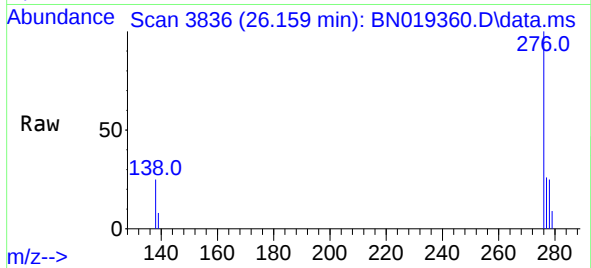
Tgt Ion:264 Resp: 14771
 Ion Ratio Lower Upper
 264 100
 260 29.7 22.4 33.6
 265 34.2 25.3 37.9





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.689 ng
 RT: 26.159 min Scan# 3841
 Delta R.T. -0.015 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16

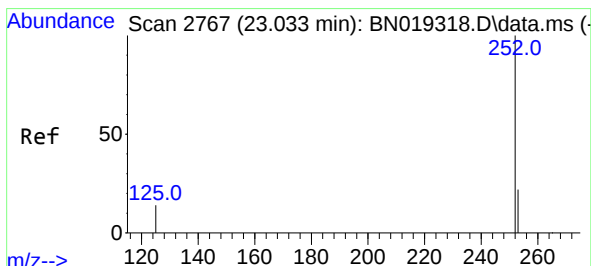
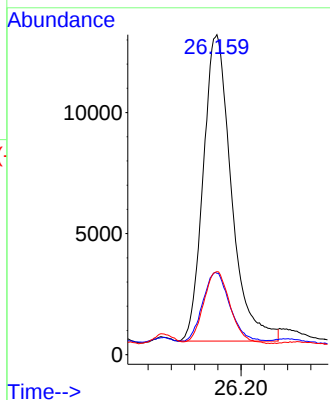
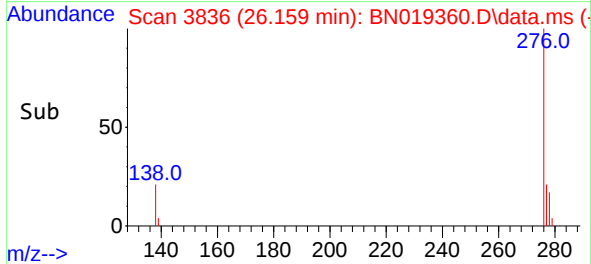
Instrument :
 BNA_N
 ClientSampleId :
 DUP0331



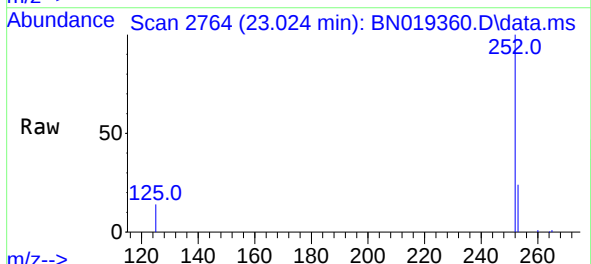
Tgt Ion:276 Resp: 42584
 Ion Ratio Lower Upper
 276 100
 138 21.3 24.5 36.7
 277 22.1 19.8 29.8

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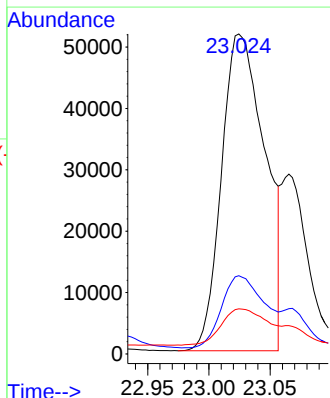
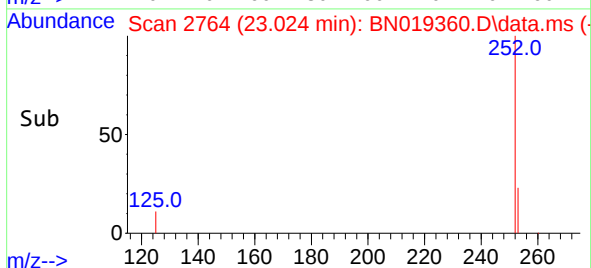
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/07/2022

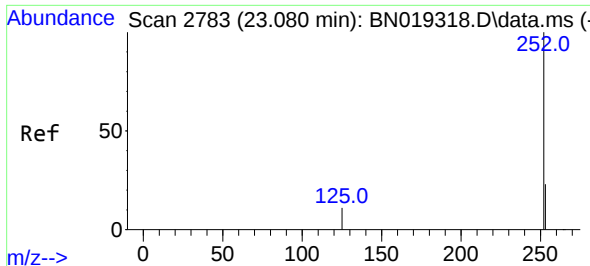


#37
 Benzo(b)fluoranthene
 Concen: 2.202 ng
 RT: 23.024 min Scan# 2764
 Delta R.T. -0.009 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16



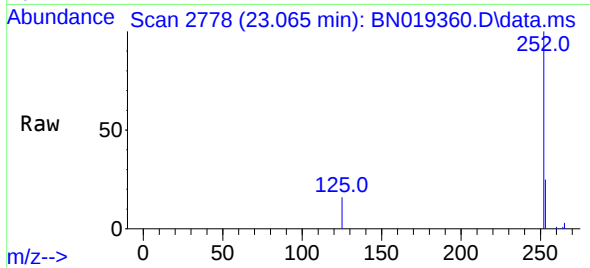
Tgt Ion:252 Resp: 127481
 Ion Ratio Lower Upper
 252 100
 253 24.4 18.9 28.3
 125 14.1 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 0.717 ng m
RT: 23.065 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

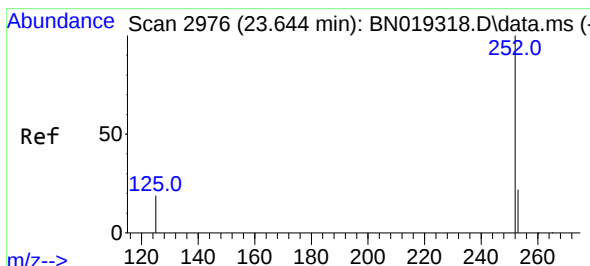
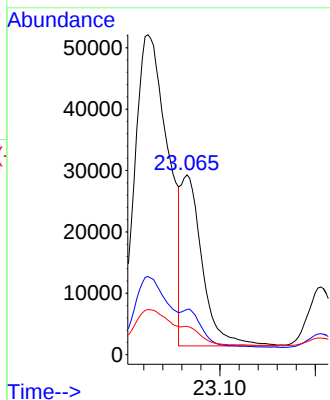
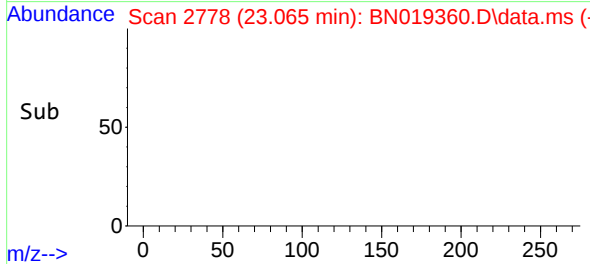
Instrument :
BNA_N
ClientSampleId :
DUP0331



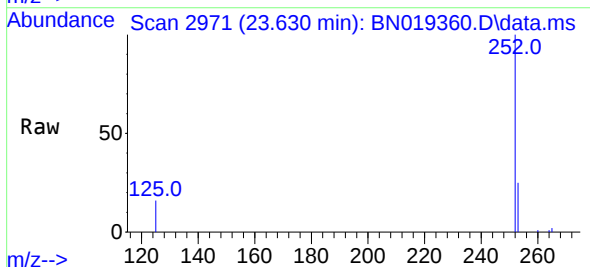
Tgt Ion:252 Resp: 4336
Ion Ratio Lower Upper
252 100
253 25.2 18.9 28.3
125 15.8 10.3 15.5

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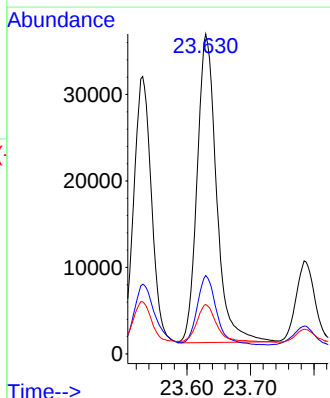
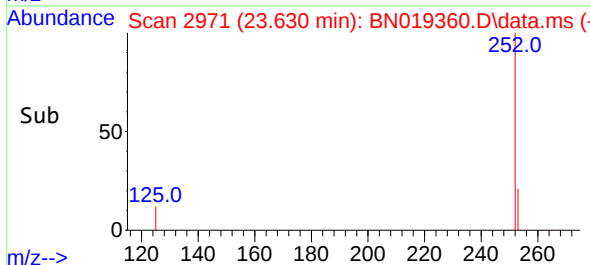
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

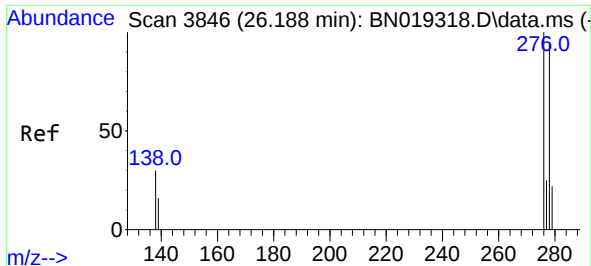


#39
Benzo(a)pyrene
Concen: 1.450 ng
RT: 23.630 min Scan# 2971
Delta R.T. -0.015 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



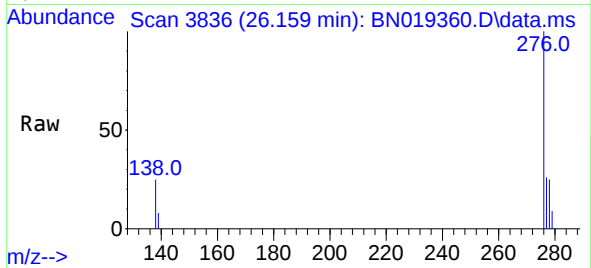
Tgt Ion:252 Resp: 75395
Ion Ratio Lower Upper
252 100
253 24.5 20.1 30.1
125 15.5 15.2 22.8





#40
Dibenzo(a,h)anthracene
Concen: 0.207 ng
RT: 26.159 min Scan# 3836
Delta R.T. -0.029 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

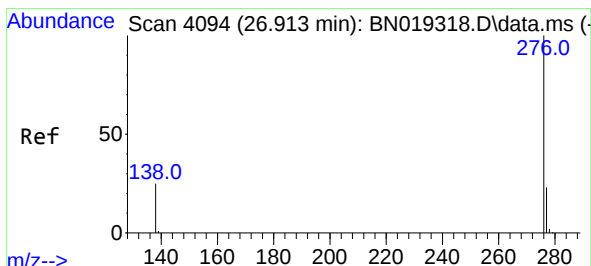
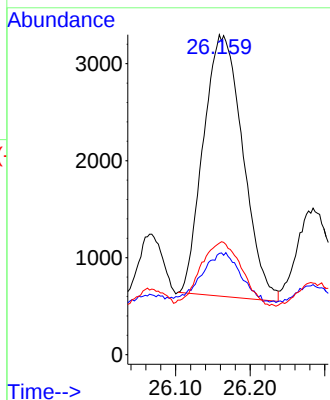
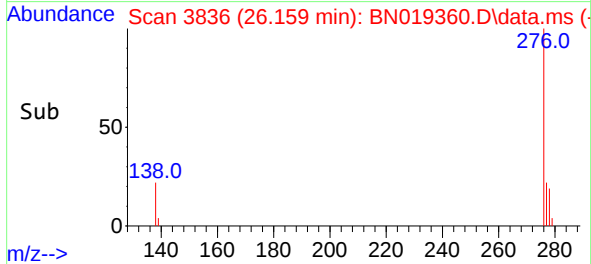
Instrument :
BNA_N
ClientSampleId :
DUP0331



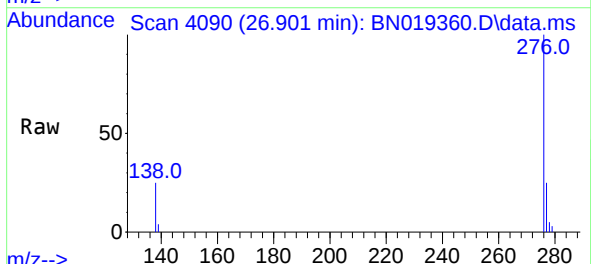
Tgt Ion:278 Resp: 9910
Ion Ratio Lower Upper
278 100
139 31.6 17.2 25.8
279 34.8 19.9 29.9

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.771 ng
RT: 26.901 min Scan# 4090
Delta R.T. -0.012 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



Tgt Ion:276 Resp: 44202
Ion Ratio Lower Upper
276 100
277 25.2 19.4 29.0
138 25.4 21.0 31.6

