

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050422\
 Data File : BN019690.D
 Acq On : 05 May 2022 07:51
 Operator : CG/JU
 Sample : N2680-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 B1-0-2

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo

05/05/2022
 Supervised By :Jagrut
 Upadhyay

Quant Time: May 05 08:32:44 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN050422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:20:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	5406	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	15868	0.400	ng	0.00
13) Acenaphthene-d10	14.474	164	8471	0.400	ng	-0.01
19) Phenanthrene-d10	17.215	188	15841	0.400	ng	0.00
29) Chrysene-d12	21.404	240	11632	0.400	ng	# 0.00
35) Perylene-d12	23.744	264	10344	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.449	112	5682	0.450	ng	0.00
5) Phenol-d6	7.024	99	6681	0.432	ng	0.00
8) Nitrobenzene-d5	9.003	82	4946m	0.384	ng	0.00
11) 2-Methylnaphthalene-d10	12.238	152	10689	0.413	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	1048	0.335	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	13946	0.382	ng	0.00
27) Fluoranthene-d10	19.244	212	16747	0.381	ng	0.00
31) Terphenyl-d14	19.843	244	10281	0.377	ng	0.00
Target Compounds						
9) Naphthalene	10.701	128	2244m	0.049	ng	
16) Acenaphthylene	14.196	152	2266	0.055	ng	97
25) Phenanthrene	17.256	178	25675m	0.489	ng	
26) Anthracene	17.349	178	4117	0.092	ng	# 90
28) Fluoranthene	19.274	202	61975	1.130	ng	99
30) Pyrene	19.636	202	58285	1.212	ng	# 96
32) Benzo(a)anthracene	21.386	228	27990	0.679	ng	95
33) Chrysene	21.440	228	29794	0.661	ng	97
34) Bis(2-ethylhexyl)phtha...	21.324	149	47150	2.161	ng	100
36) Indeno(1,2,3-cd)pyrene	26.144	276	15076	0.321	ng	94
37) Benzo(b)fluoranthene	23.036	252	33845	0.792	ng	98
38) Benzo(k)fluoranthene	23.074	252	11547m	0.255	ng	
39) Benzo(a)pyrene	23.641	252	23178m	0.715	ng	
40) Dibenzo(a,h)anthracene	26.159	278	3766	0.098	ng	# 80
41) Benzo(g,h,i)perylene	26.881	276	15309	0.404	ng	99

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

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ALS Vial : 33 Sample Multiplier: 1

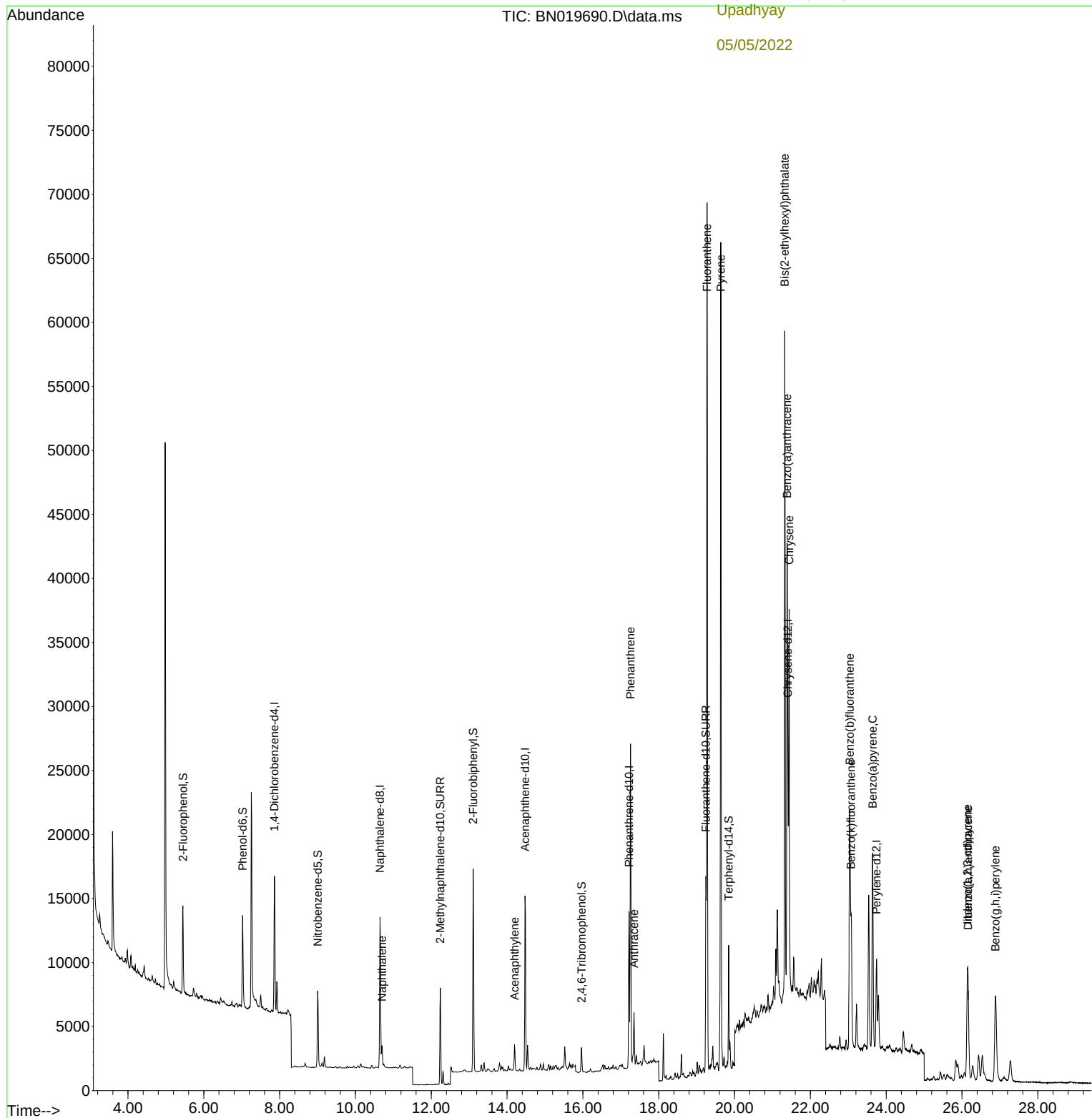
Instrument :
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B1-0-2

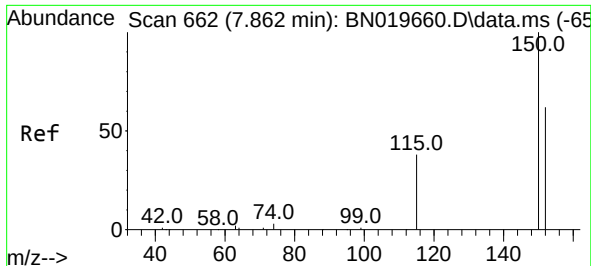
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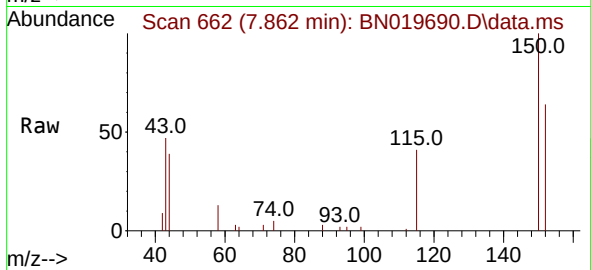
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#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.862 min Scan# 662
Delta R.T. -0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



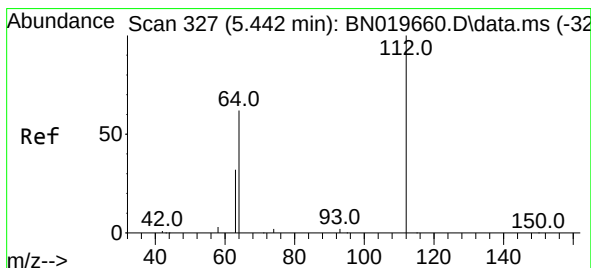
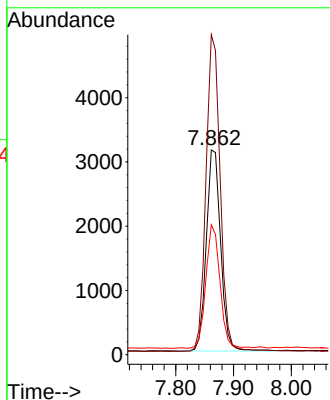
Tgt Ion:152 Resp: 5400
Ion Ratio Lower Upper
152 100
150 156.3 122.6 183.8
115 63.4 49.0 73.6

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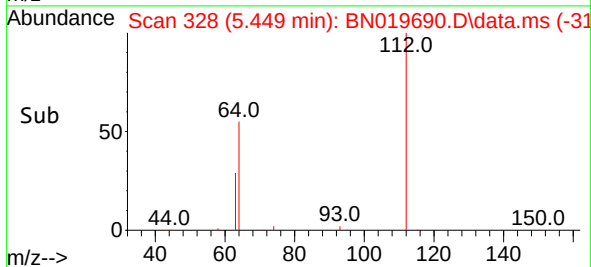
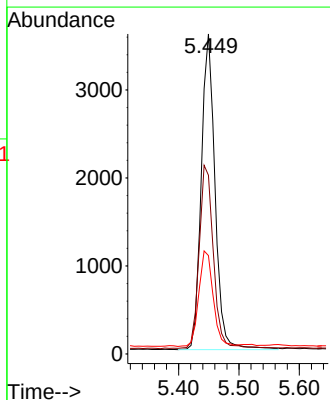
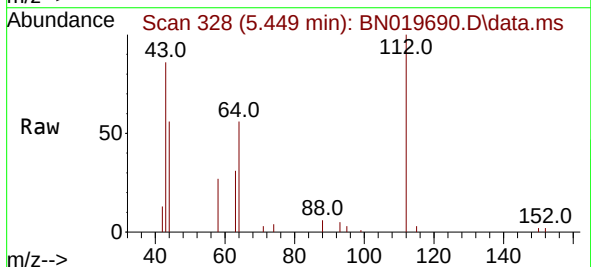
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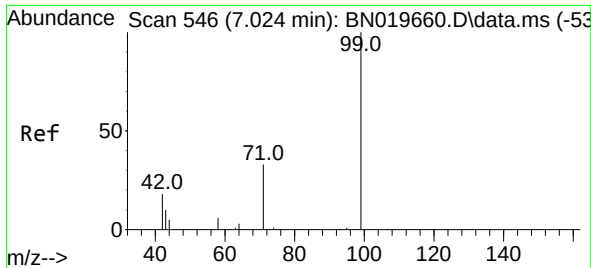
05/05/2022



#4
2-Fluorophenol
Concen: 0.450 ng
RT: 5.449 min Scan# 328
Delta R.T. 0.007 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

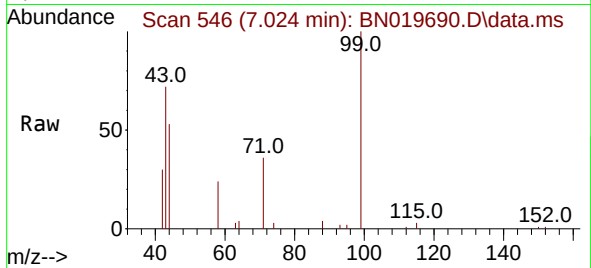
Tgt Ion:112 Resp: 5682
Ion Ratio Lower Upper
112 100
64 60.0 47.3 70.9
63 31.6 24.6 36.8





#5
Phenol-d6
Concen: 0.432 ng
RT: 7.024 min Scan# 546
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



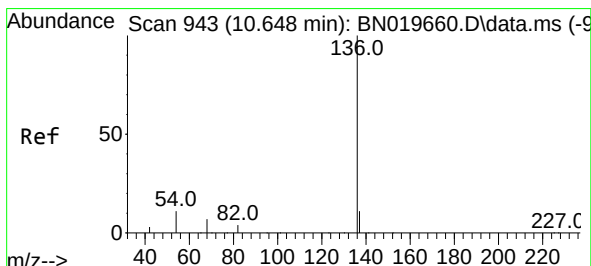
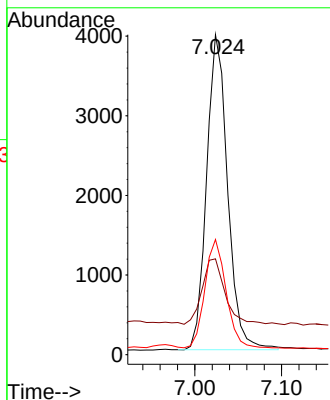
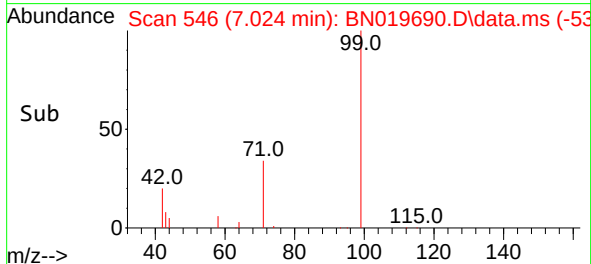
Tgt Ion: 99 Resp: 668
Ion Ratio Lower Upper
99 100
42 22.7 15.8 23.8
71 34.4 26.5 39.7

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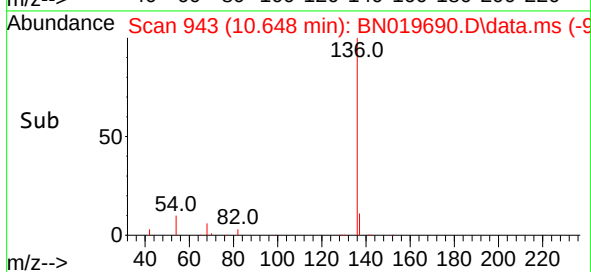
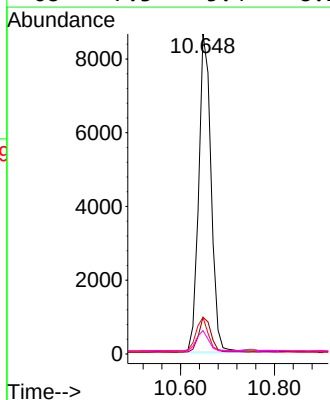
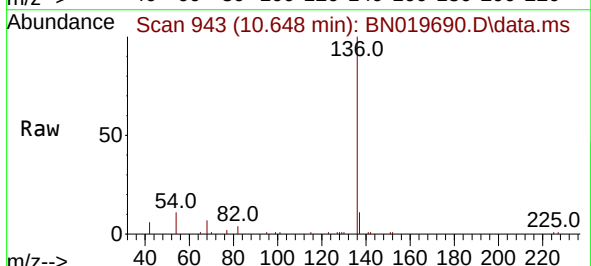
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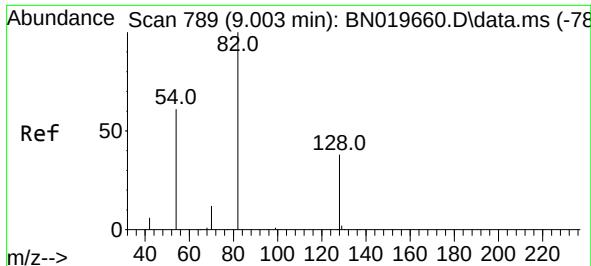
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

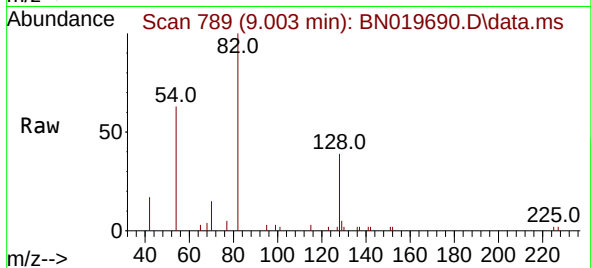
Tgt Ion:136 Resp: 15868
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 11.4 7.8 11.6
68 7.3 5.4 8.2





#8
Nitrobenzene-d5
Concen: 0.384 ng m
RT: 9.003 min Scan# 789
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



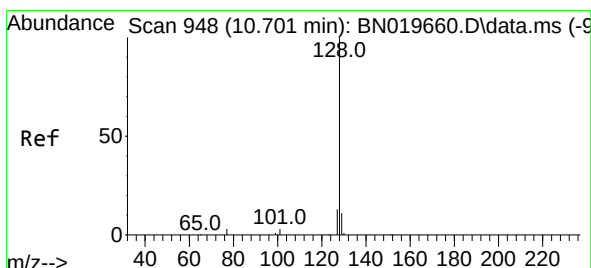
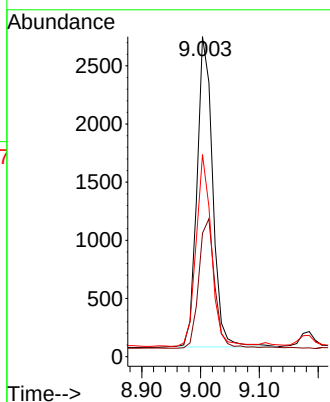
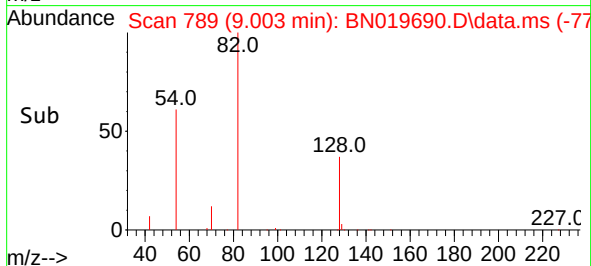
Tgt Ion:	82	Resp:	4940
Ion	Ratio	Lower	Upper
82	100		
128	38.6	32.4	48.6
54	63.1	44.4	66.6

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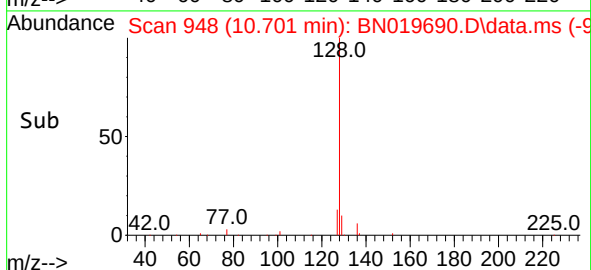
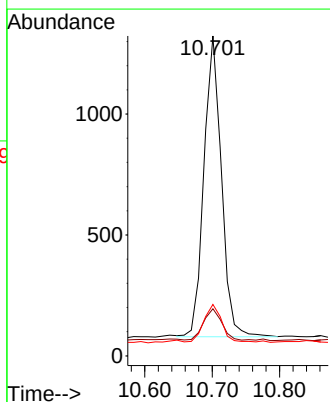
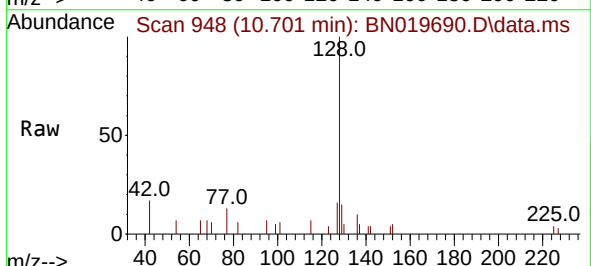
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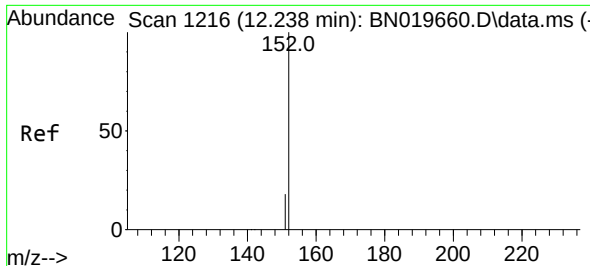
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#9
Naphthalene
Concen: 0.049 ng m
RT: 10.701 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

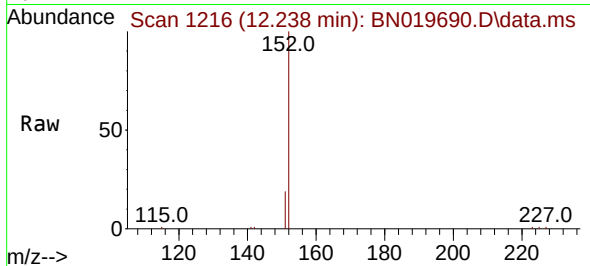
Tgt Ion:	128	Resp:	2244
Ion	Ratio	Lower	Upper
128	100		
129	14.7	9.0	13.4#
127	16.1	10.8	16.2





#11
2-Methylnaphthalene-d10
Concen: 0.413 ng
RT: 12.238 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



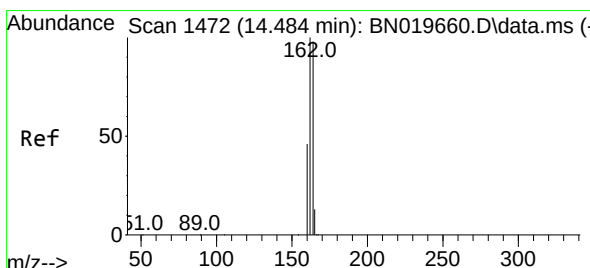
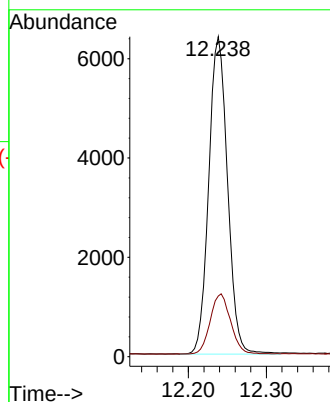
Tgt Ion:152 Resp: 10689
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4

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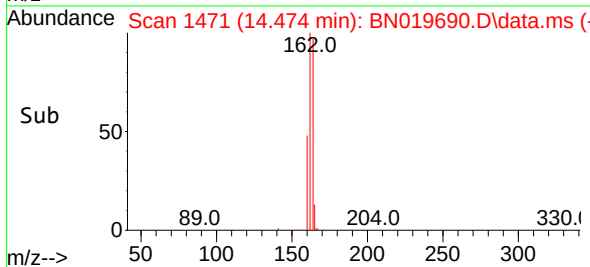
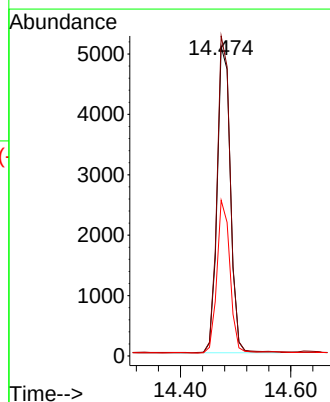
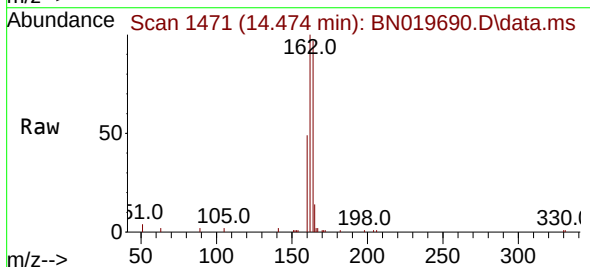
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Upadhyay

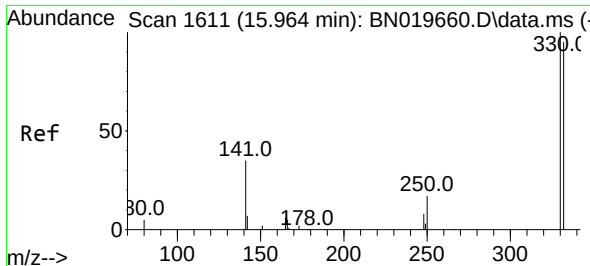
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

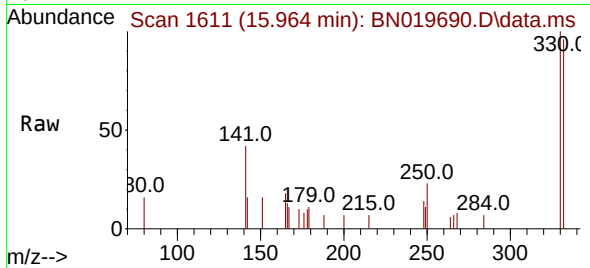
Tgt Ion:164 Resp: 8471
Ion Ratio Lower Upper
164 100
162 103.4 81.8 122.6
160 50.3 38.3 57.5





#14
2,4,6-Tribromophenol
Concen: 0.335 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



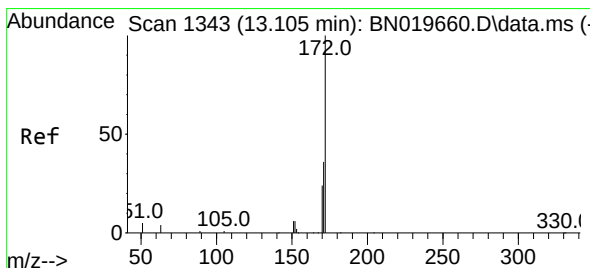
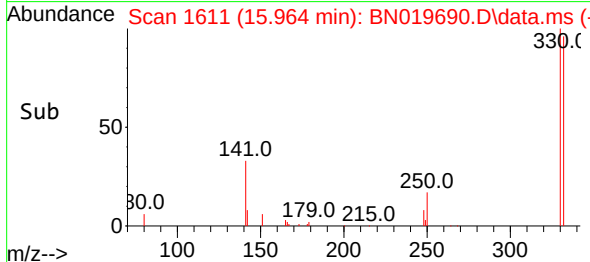
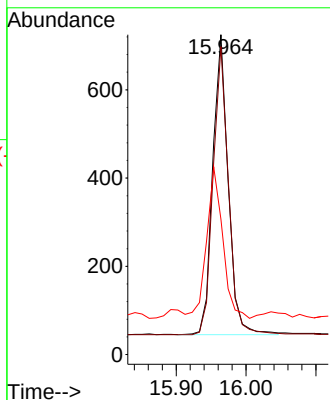
Tgt Ion: 330 Resp: 1048
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 52.4 39.7 59.5

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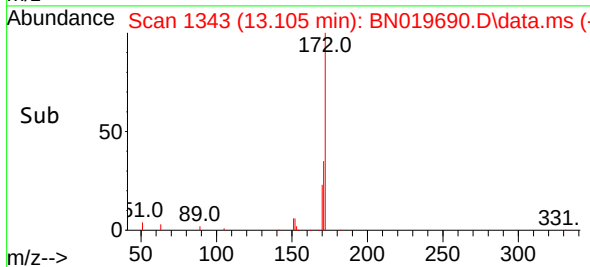
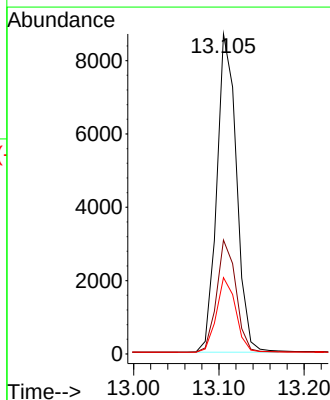
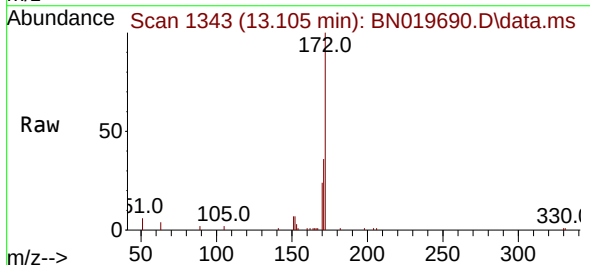
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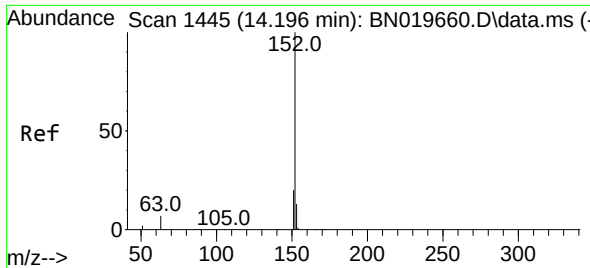
05/05/2022



#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 13.105 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

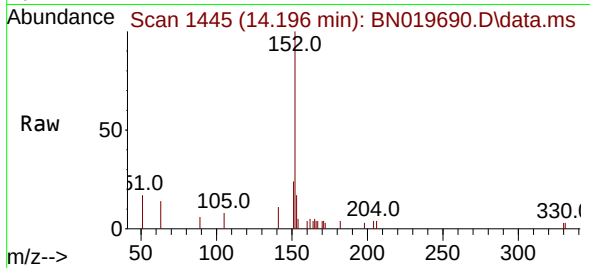
Tgt Ion: 172 Resp: 13946
Ion Ratio Lower Upper
172 100
171 35.6 28.0 42.0
170 23.9 19.0 28.4





#16
Acenaphthylene
Concen: 0.055 ng
RT: 14.196 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



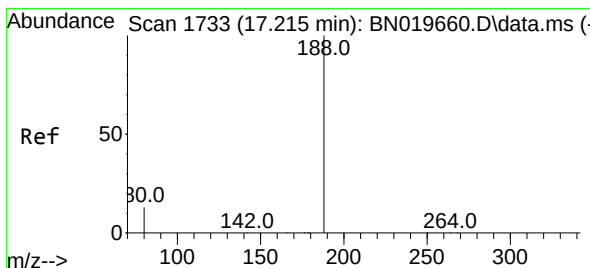
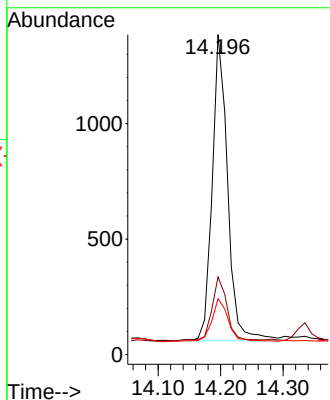
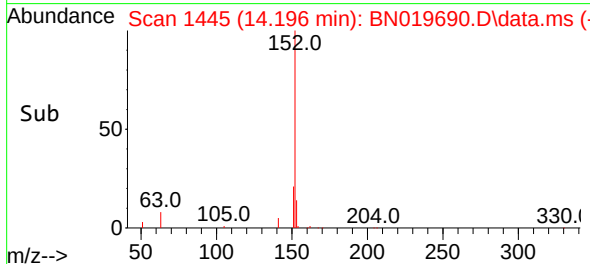
Tgt Ion:152 Resp: 2260
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.4
153 15.4 10.5 15.7

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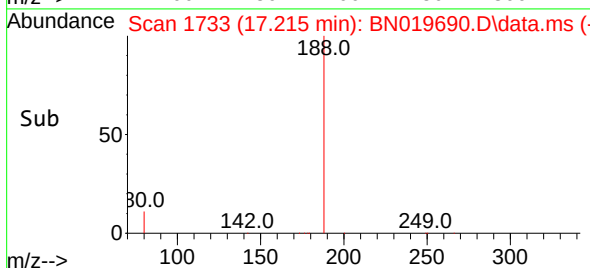
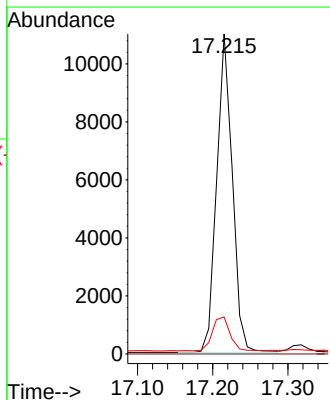
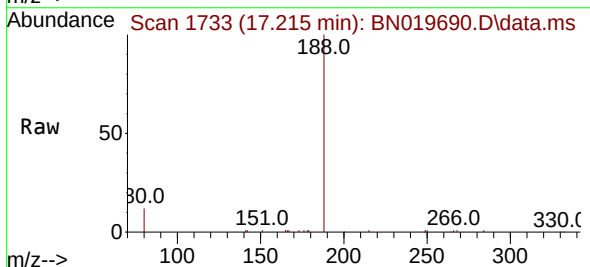
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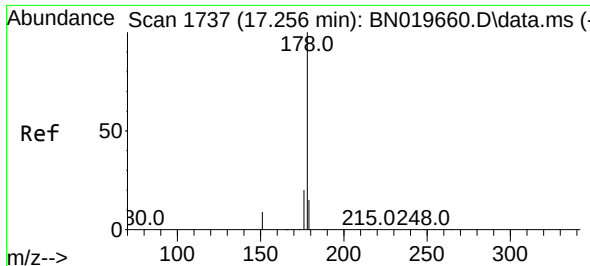
05/05/2022



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

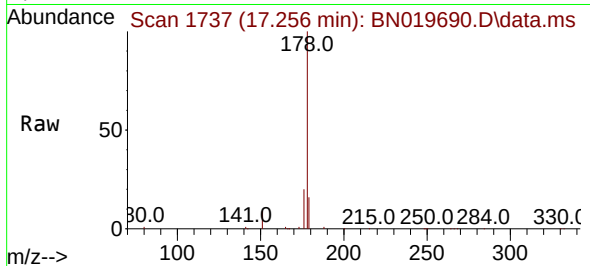
Tgt Ion:188 Resp: 15841
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.5 8.6 12.8





#25
Phenanthrene
Concen: 0.489 ng m
RT: 17.256 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



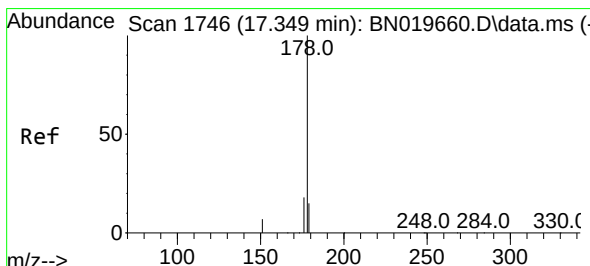
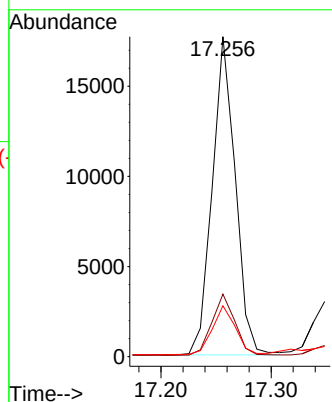
Tgt Ion:178 Resp: 2567
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 16.0 12.1 18.1

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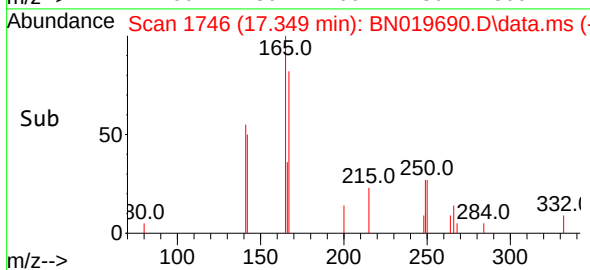
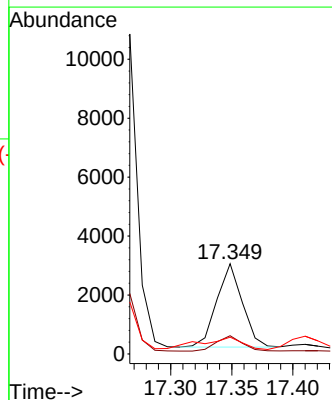
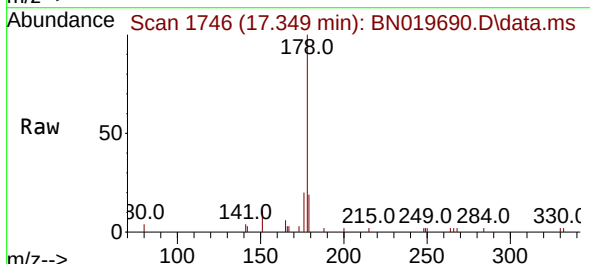
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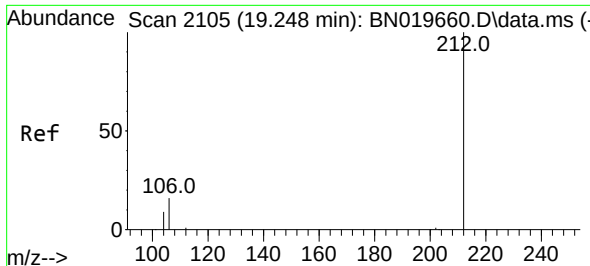
05/05/2022



#26
Anthracene
Concen: 0.092 ng
RT: 17.349 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

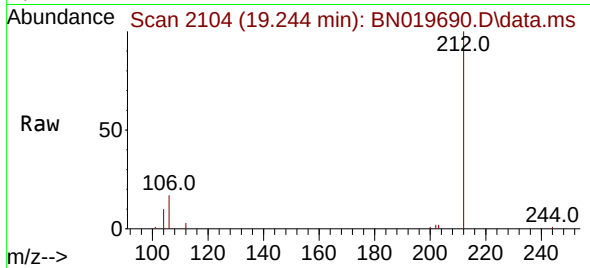
Tgt Ion:178 Resp: 4117
Ion Ratio Lower Upper
178 100
176 18.2 14.3 21.5
179 23.6 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.381 ng
RT: 19.244 min Scan# 2104
Delta R.T. -0.004 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



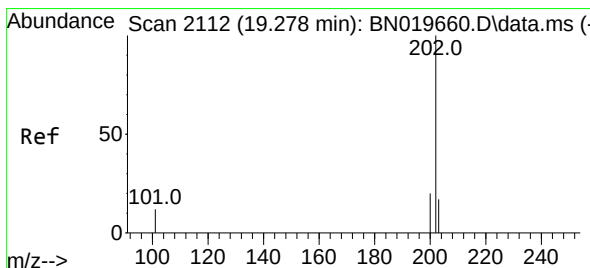
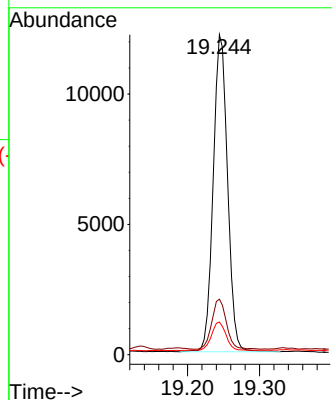
Tgt Ion:212 Resp: 1674
Ion Ratio Lower Upper
212 100
106 16.2 13.5 20.3
104 9.5 7.6 11.4

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Reviewed By :Christian
Giraldo

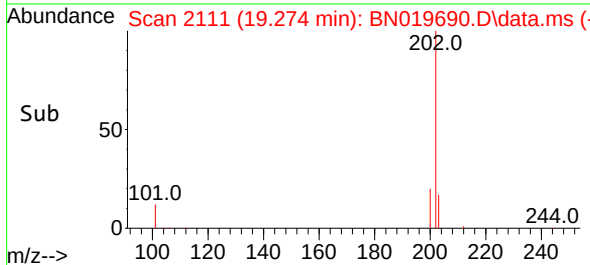
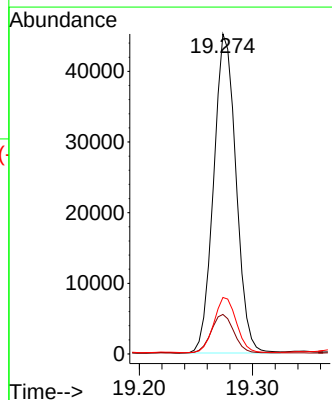
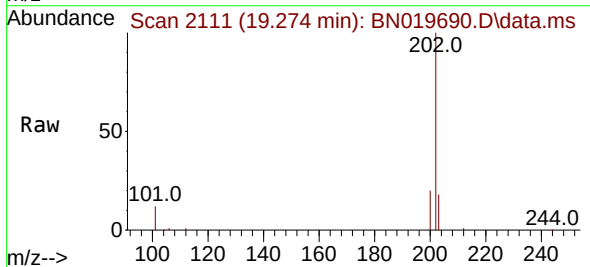
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Supervised By :Jagrut
Upadhyay

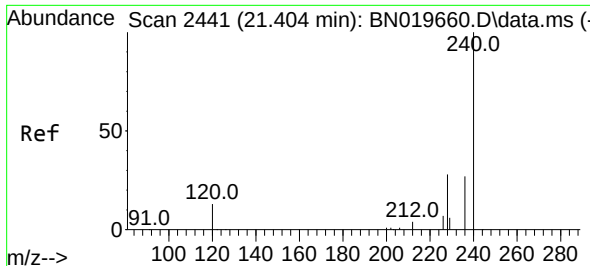
05/05/2022



#28
Fluoranthene
Concen: 1.130 ng
RT: 19.274 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

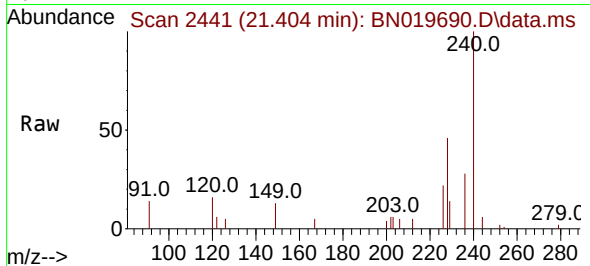
Tgt Ion:202 Resp: 61975
Ion Ratio Lower Upper
202 100
101 12.4 10.6 15.8
203 17.3 13.6 20.4





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.404 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



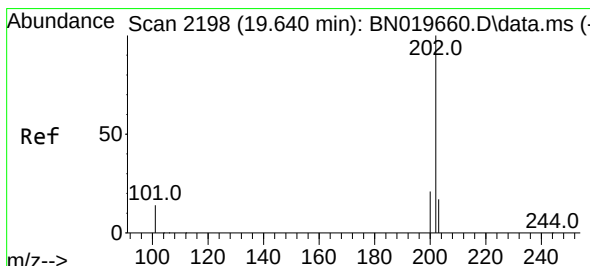
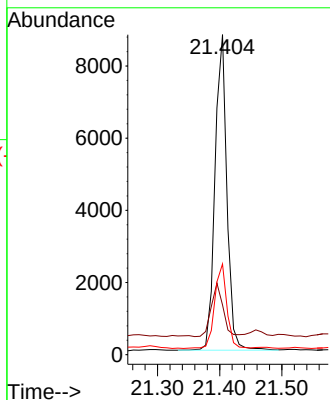
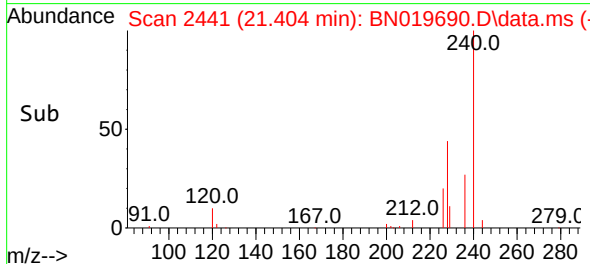
Tgt Ion:240 Resp: 11632
Ion Ratio Lower Upper
240 100
120 15.6 17.4 26.2
236 28.4 23.0 34.4

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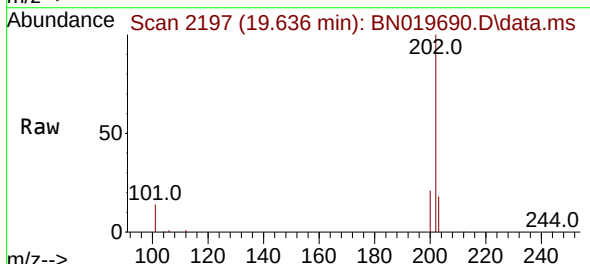
Reviewed By :Christian
Giraldo

05/05/2022
Supervised By :Jagrut
Upadhyay

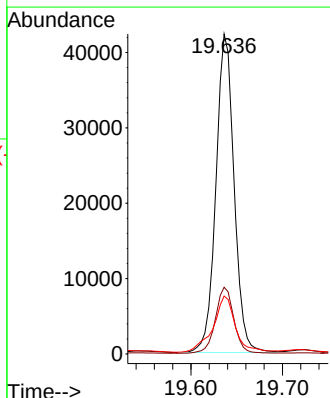
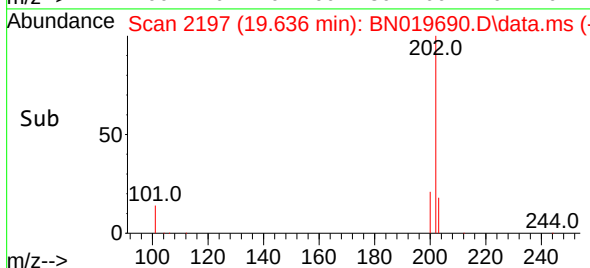
05/05/2022

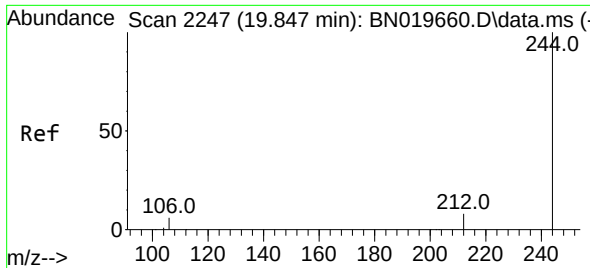


#30
Pyrene
Concen: 1.212 ng
RT: 19.636 min Scan# 2197
Delta R.T. -0.004 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51



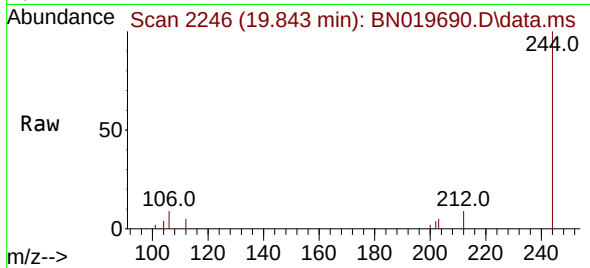
Tgt Ion:202 Resp: 58285
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 21.5 14.2 21.4





#31
 Terphenyl-d14
 Concen: 0.377 ng
 RT: 19.843 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BN019690.D
 Acq: 05 May 2022 07:51

Instrument :
 BNA_N
 ClientSampleId :
 B1-0-2



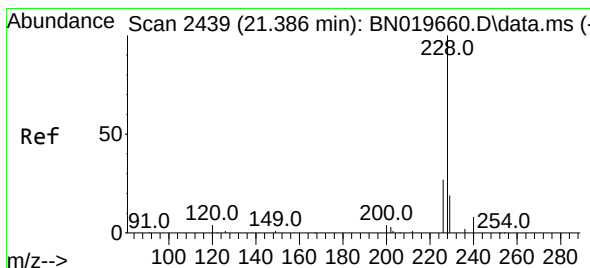
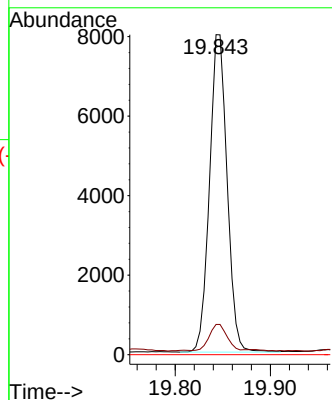
Tgt Ion:244 Resp: 1028
 Ion Ratio Lower Upper
 244 100
 212 9.5 7.6 11.4
 122 0.0 0.0 0.0

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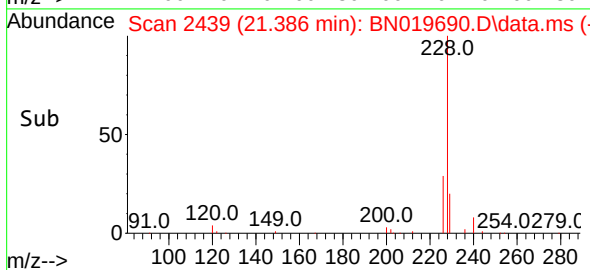
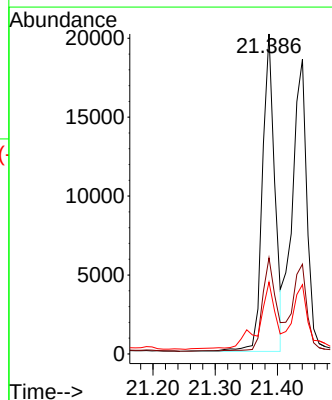
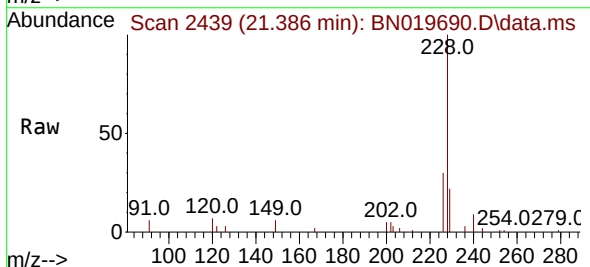
05/05/2022
 Supervised By :Jagrut
 Upadhyay

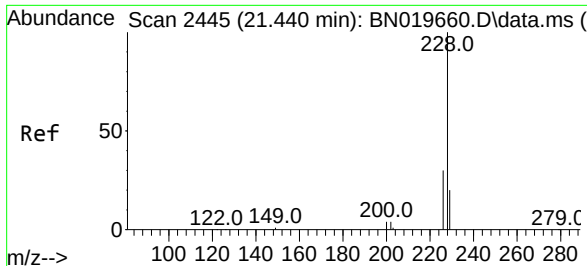
05/05/2022



#32
 Benzo(a)anthracene
 Concen: 0.679 ng
 RT: 21.386 min Scan# 2439
 Delta R.T. 0.000 min
 Lab File: BN019690.D
 Acq: 05 May 2022 07:51

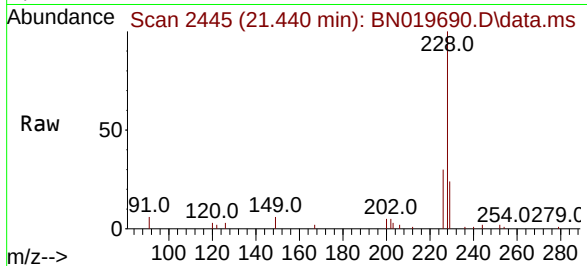
Tgt Ion:228 Resp: 27990
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.6 32.4
 229 22.4 16.5 24.7





#33
Chrysene
Concen: 0.661 ng
RT: 21.440 min Scan# 2445
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



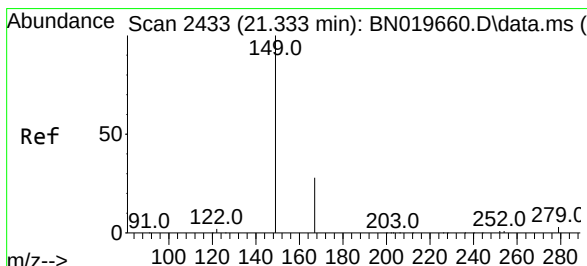
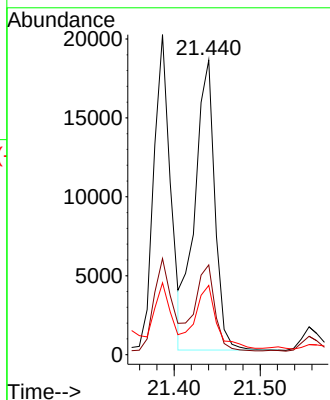
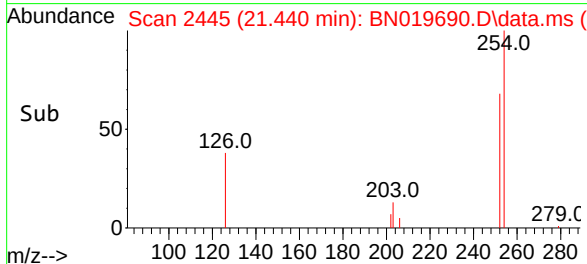
Tgt Ion:228 Resp: 29794
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 23.5 15.9 23.9

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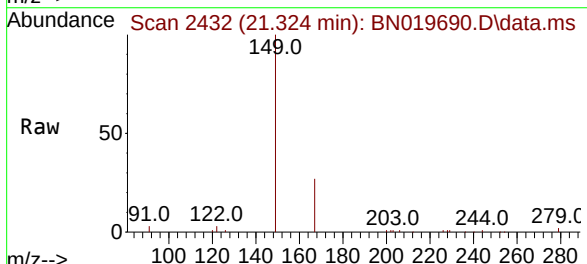
Reviewed By :Christian
Giraldo

05/05/2022
Supervised By :Jagrut
Upadhyay

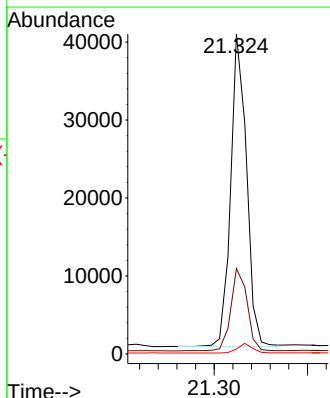
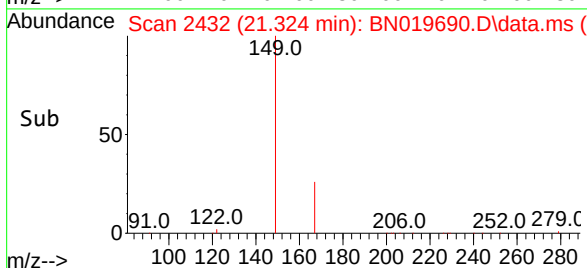
05/05/2022

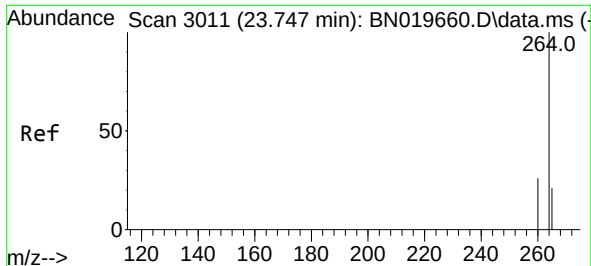


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.161 ng
RT: 21.324 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51



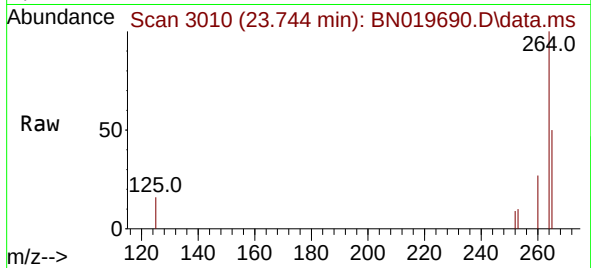
Tgt Ion:149 Resp: 47150
Ion Ratio Lower Upper
149 100
167 27.1 21.7 32.5
279 2.9 2.8 4.2





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.744 min Scan# 3011
 Delta R.T. -0.003 min
 Lab File: BN019690.D
 Acq: 05 May 2022 07:51

Instrument :
 BNA_N
 ClientSampleId :
 B1-0-2



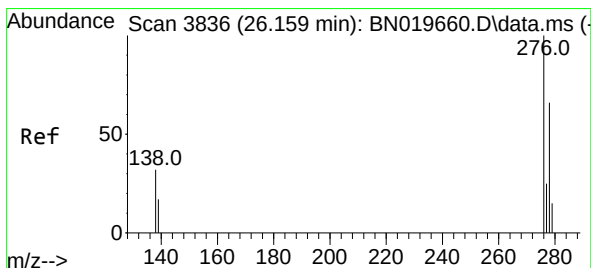
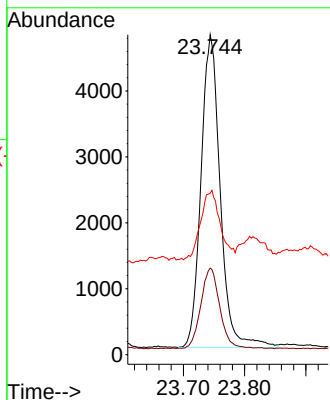
Tgt Ion:264 Resp: 10344
 Ion Ratio Lower Upper
 264 100
 260 27.1 21.0 31.6
 265 50.5 67.9 101.9

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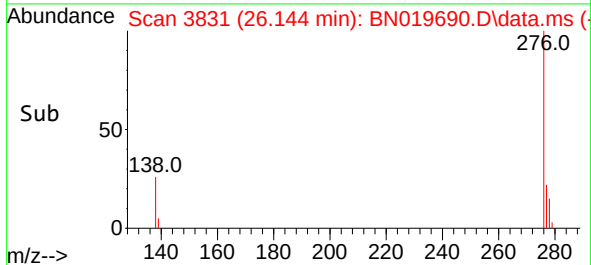
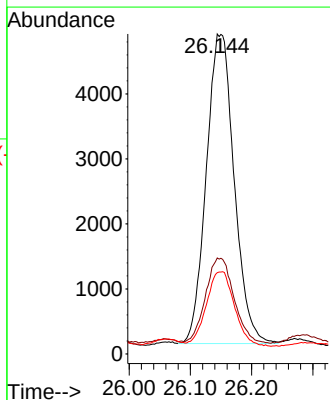
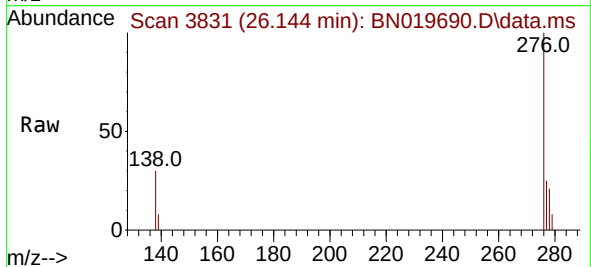
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 Upadhyay

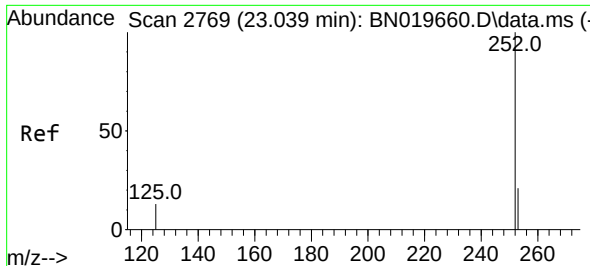
05/05/2022



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.321 ng
 RT: 26.144 min Scan# 3831
 Delta R.T. -0.015 min
 Lab File: BN019690.D
 Acq: 05 May 2022 07:51

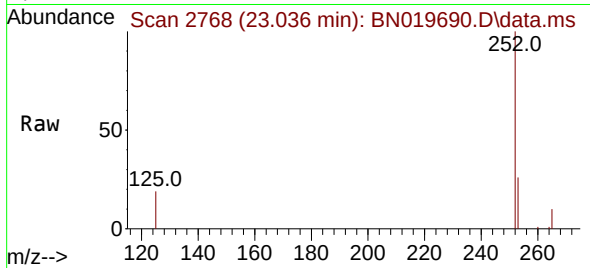
Tgt Ion:276 Resp: 15076
 Ion Ratio Lower Upper
 276 100
 138 28.0 26.6 40.0
 277 24.5 20.0 30.0





#37
Benzo(b)fluoranthene
Concen: 0.792 ng
RT: 23.036 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



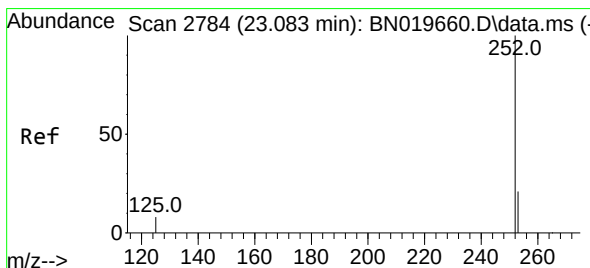
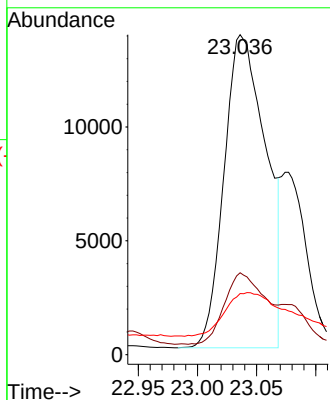
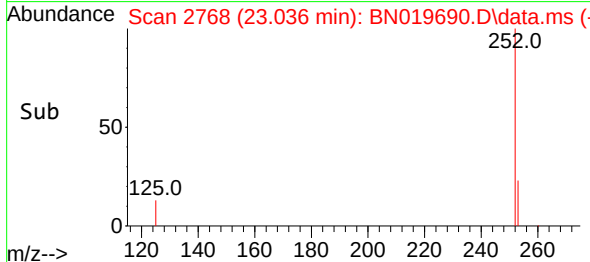
Tgt Ion:252 Resp: 3384
Ion Ratio Lower Upper
252 100
253 25.6 21.2 31.8
125 19.1 15.9 23.9

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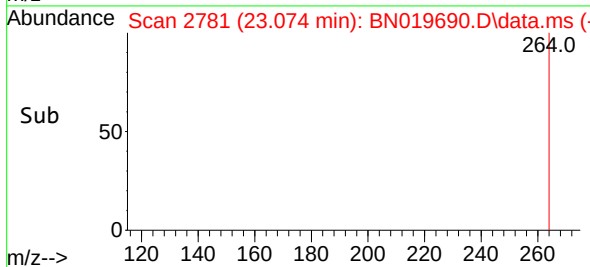
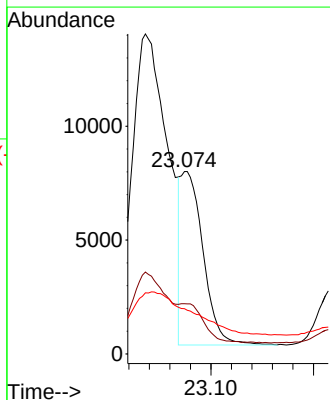
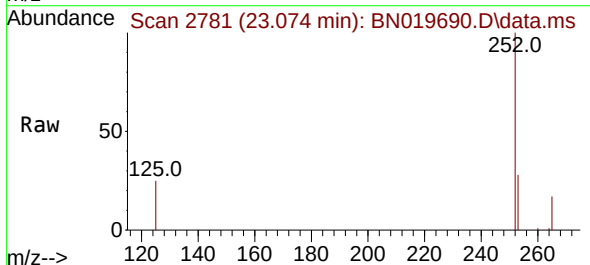
05/05/2022
Supervised By :Jagrut
Upadhyay

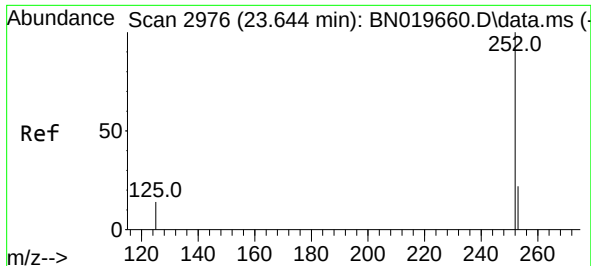
05/05/2022



#38
Benzo(k)fluoranthene
Concen: 0.255 ng m
RT: 23.074 min Scan# 2781
Delta R.T. -0.009 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Tgt Ion:252 Resp: 11547
Ion Ratio Lower Upper
252 100
253 27.6 21.7 32.5
125 24.8 17.0 25.4





#39

Benzo(a)pyrene

Concen: 0.715 ng m

RT: 23.641 min Scan# 2976

Delta R.T. -0.003 min

Lab File: BN019690.D

Acq: 05 May 2022 07:51

Instrument :

BN019690.D

ClientSampleId :

B1-0-2

Tgt Ion:	252	Resp:	23178
Ion Ratio	Lower	Upper	
252	100		
253	25.4	23.1	34.7
125	19.5	20.4	30.6

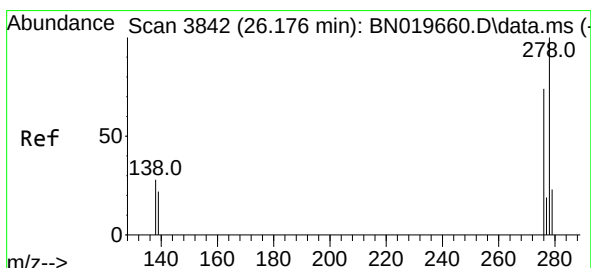
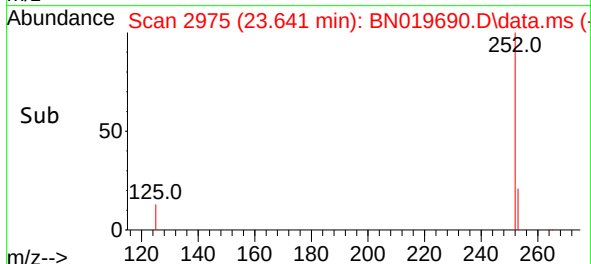
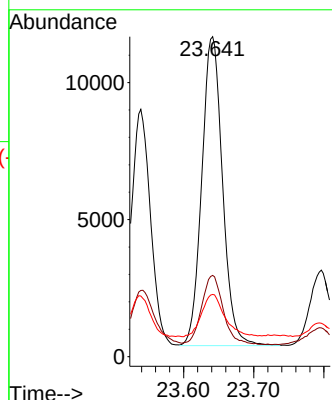
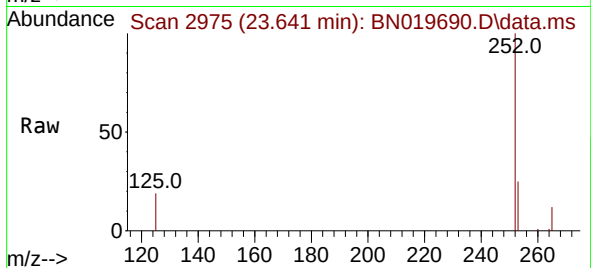
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Giraldo

05/05/2022

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Upadhyay

05/05/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.098 ng

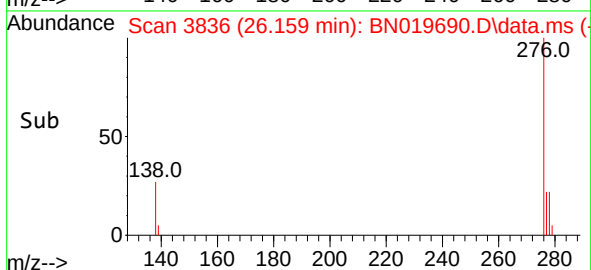
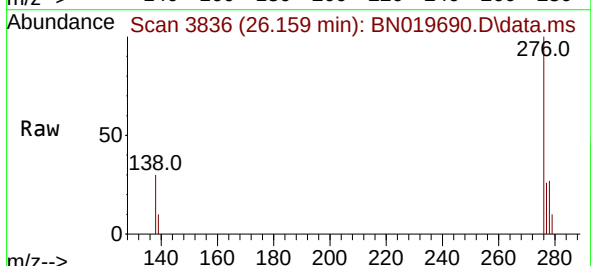
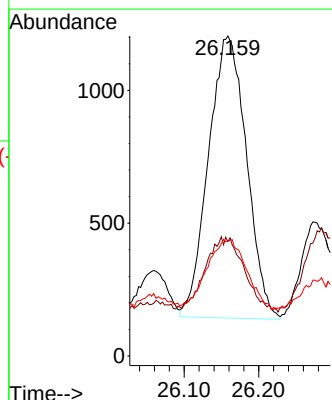
RT: 26.159 min Scan# 3836

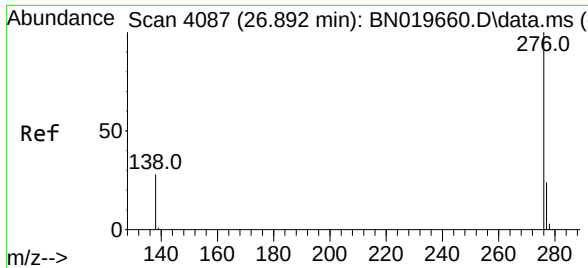
Delta R.T. -0.018 min

Lab File: BN019690.D

Acq: 05 May 2022 07:51

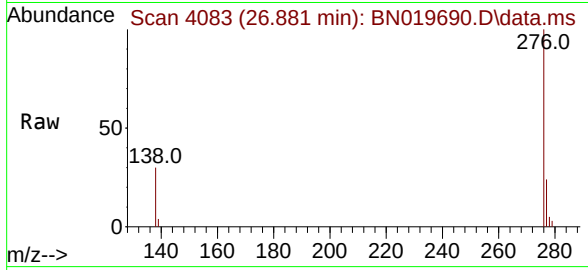
Tgt Ion:	278	Resp:	3766
Ion Ratio	Lower	Upper	
278	100		
139	35.8	19.4	29.2#
279	35.9	21.8	32.8#





#41
Benzo(g,h,i)perylene
Concen: 0.404 ng
RT: 26.881 min Scan# 4083
Delta R.T. -0.012 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2



Tgt Ion: 276 Resp: 15309
Ion Ratio Lower Upper
276 100
277 24.4 20.2 30.2
138 29.7 23.5 35.3

Manual Integrations
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Reviewed By : Christian
Giraldo

05/05/2022
Supervised By : Jagrut
Upadhyay

05/05/2022

