

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050422\
 Data File : BN019689.D
 Acq On : 05 May 2022 07:16
 Operator : CG/JU
 Sample : N2680-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 B5-0-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/05/2022
 Supervised By : Jagrut Upadhyay 05/05/2022

Quant Time: May 05 08:14:06 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	7.869	152	5707	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	16546	0.400	ng	0.00
13) Acenaphthene-d10	14.474	164	8932	0.400	ng	-0.01
19) Phenanthrene-d10	17.215	188	16902	0.400	ng	0.00
29) Chrysene-d12	21.404	240	11603	0.400	ng	# 0.00
35) Perylene-d12	23.741	264	9019	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.449	112	6255	0.470	ng	0.00
5) Phenol-d6	7.024	99	7368	0.451	ng	0.00
8) Nitrobenzene-d5	9.003	82	5398m	0.402	ng	0.00
11) 2-Methylnaphthalene-d10	12.238	152	12096	0.448	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	1023	0.310	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	16249	0.422	ng	0.00
27) Fluoranthene-d10	19.244	212	21555	0.460	ng	0.00
31) Terphenyl-d14	19.847	244	12947	0.476	ng	0.00
Target Compounds						
25) Phenanthrene	17.256	178	10320m	0.184	ng	Qvalue
28) Fluoranthene	19.278	202	13826	0.236	ng	100
30) Pyrene	19.636	202	12203	0.254	ng	97
32) Benzo(a)anthracene	21.386	228	5684	0.138	ng	96
33) Chrysene	21.440	228	6262	0.139	ng	# 96
34) Bis(2-ethylhexyl)phtha...	21.324	149	6751	0.310	ng	100
36) Indeno(1,2,3-cd)pyrene	26.144	276	2880	0.070	ng	95
37) Benzo(b)fluoranthene	23.036	252	6606	0.177	ng	# 87
38) Benzo(k)fluoranthene	23.074	252	2255m	0.057	ng	
39) Benzo(a)pyrene	23.641	252	4583	0.162	ng	# 91
41) Benzo(g,h,i)perylene	26.889	276	3253	0.098	ng	93

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

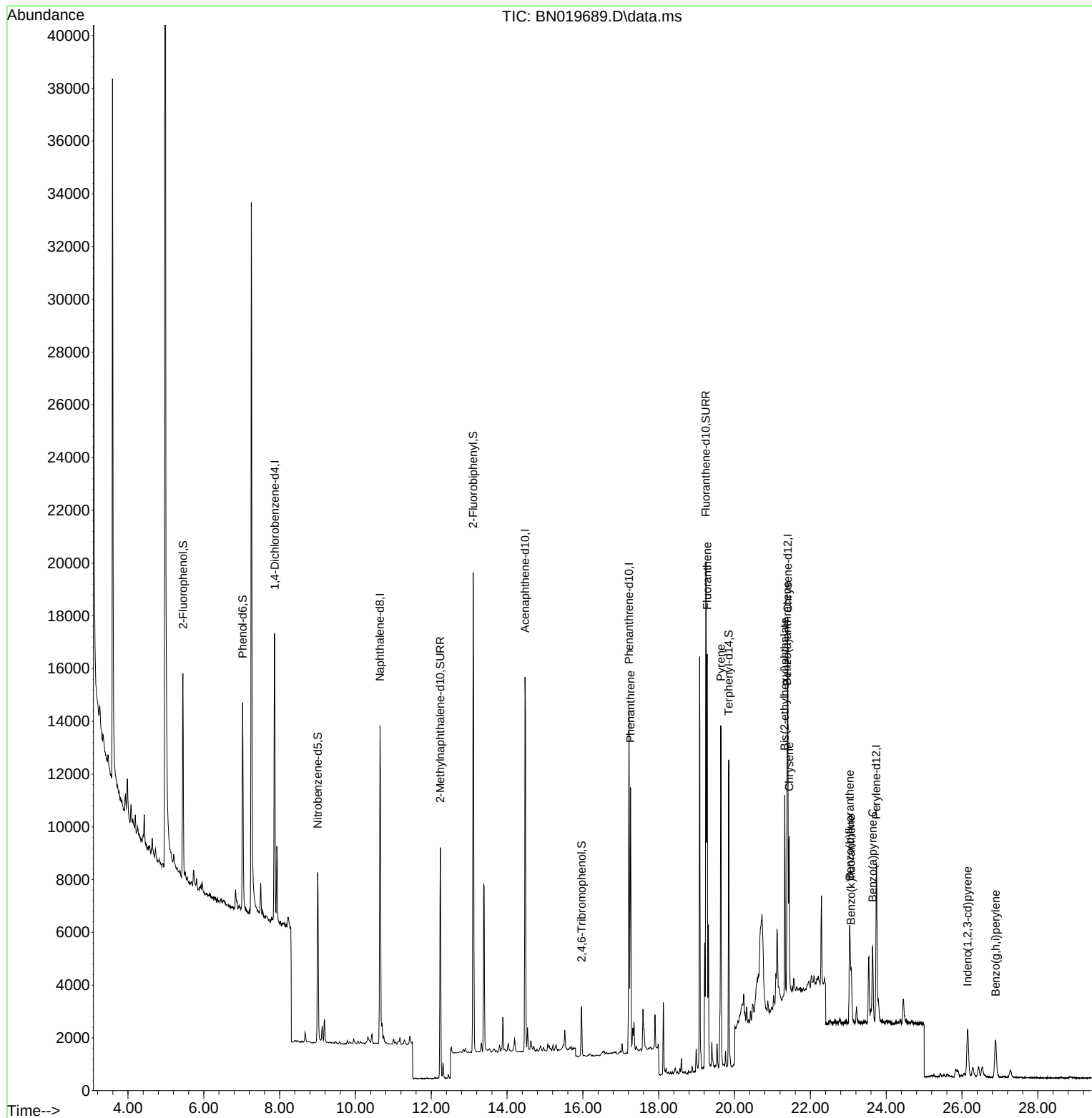
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050422\
Data File : BN019689.D
Acq On : 05 May 2022 07:16
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ALS Vial : 32 Sample Multiplier: 1

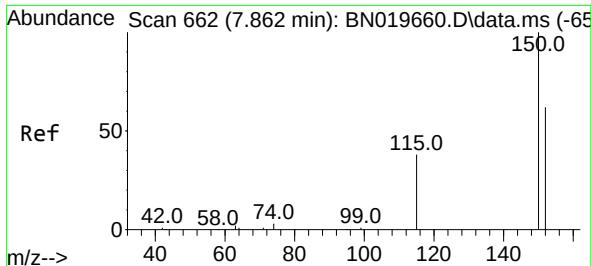
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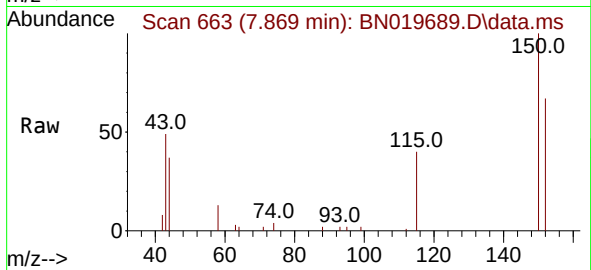
Quant Time: May 05 08:14:06 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN050422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:20:22 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.869 min Scan# 60
Delta R.T. 0.007 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

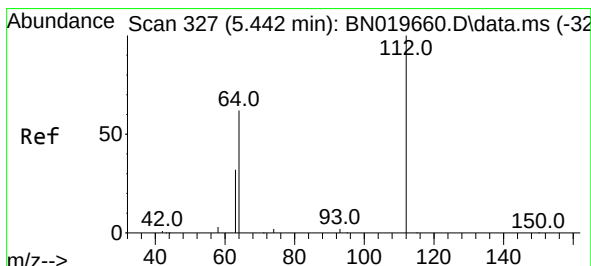
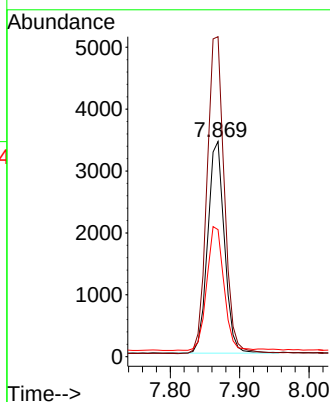
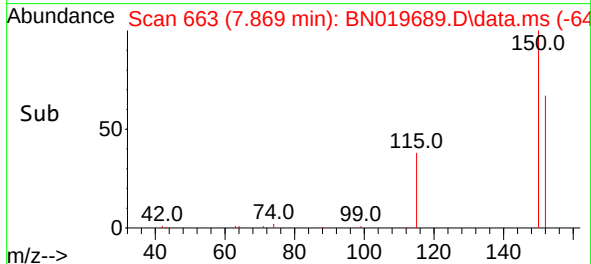
Instrument :
BNA_N
ClientSampleId :
B5-0-2



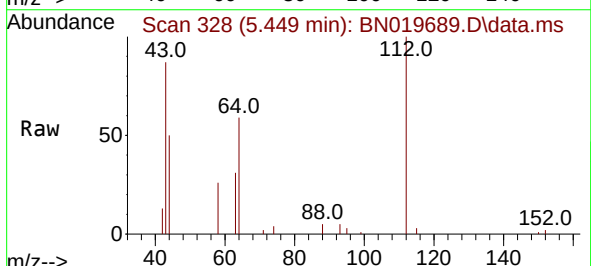
Tgt Ion:152 Resp: 570
Ion Ratio Lower Upper
152 100
150 148.7 122.6 183.8
115 59.1 49.0 73.6

Manual Integrations
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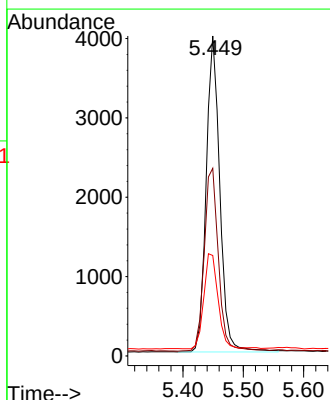
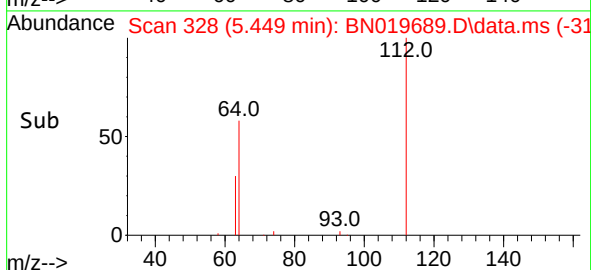
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Supervised By :Jagrut Upadhyay 05/05/2022

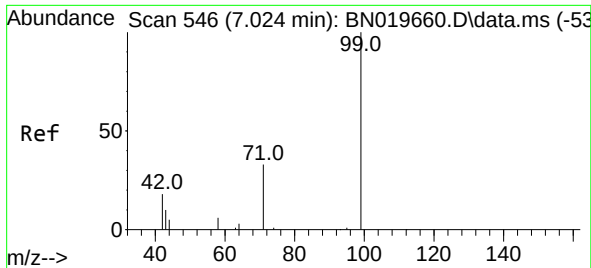


#4
2-Fluorophenol
Concen: 0.470 ng
RT: 5.449 min Scan# 328
Delta R.T. 0.007 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16



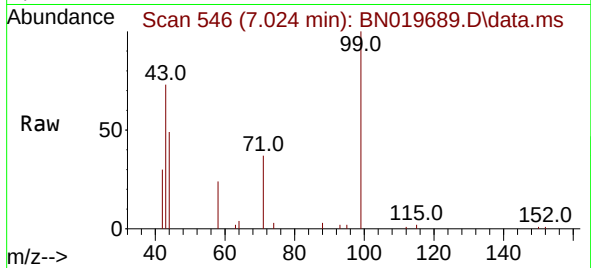
Tgt Ion:112 Resp: 6255
Ion Ratio Lower Upper
112 100
64 60.7 47.3 70.9
63 31.4 24.6 36.8





#5
Phenol-d6
Concen: 0.451 ng
RT: 7.024 min Scan# 546
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

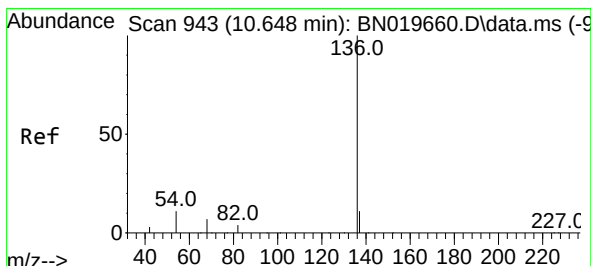
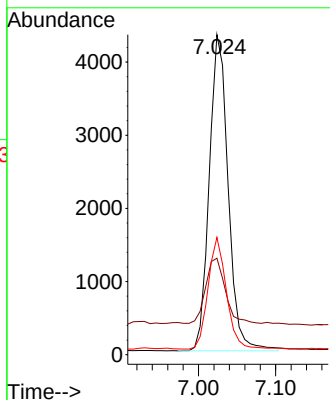
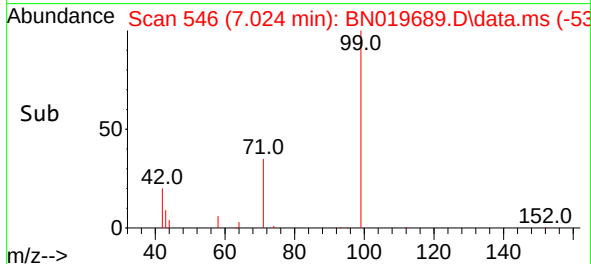
Instrument :
BNA_N
ClientSampleId :
B5-0-2



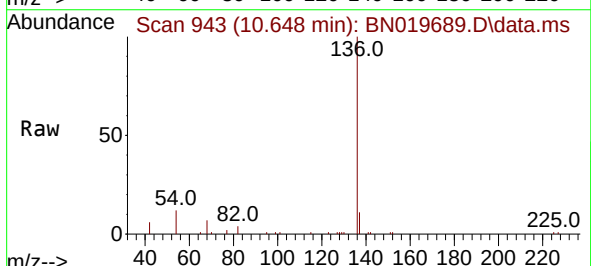
Tgt Ion: 99 Resp: 7368
Ion Ratio Lower Upper
99 100
42 21.1 15.8 23.8
71 34.3 26.5 39.7

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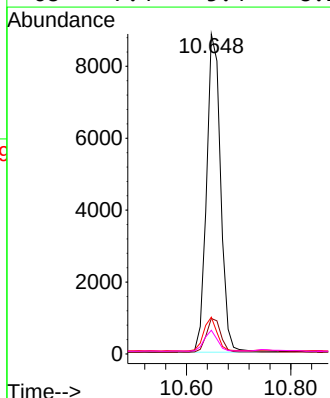
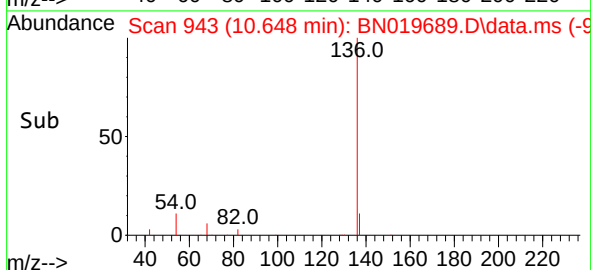
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

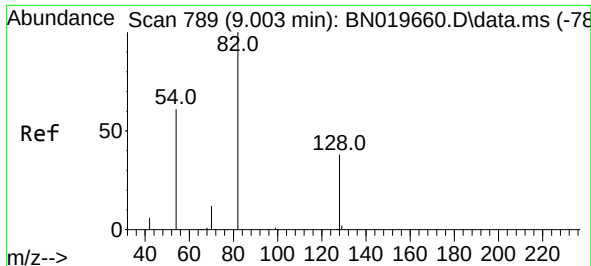


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16



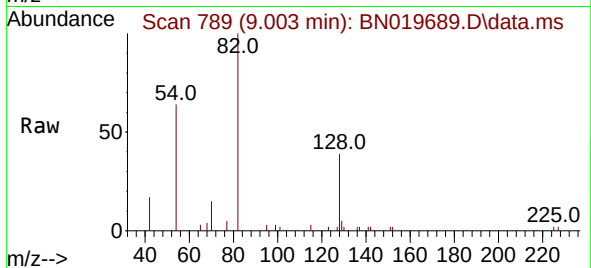
Tgt Ion:136 Resp: 16546
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 11.5 7.8 11.6
68 7.4 5.4 8.2





#8
Nitrobenzene-d5
Concen: 0.402 ng m
RT: 9.003 min Scan# 789
Delta R.T. 0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

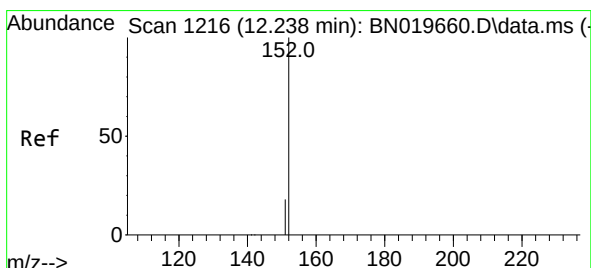
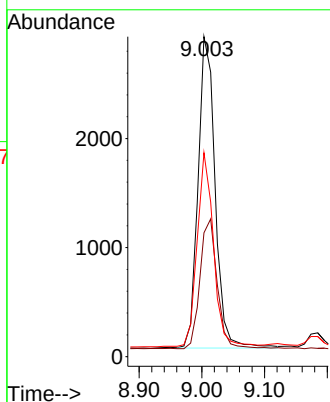
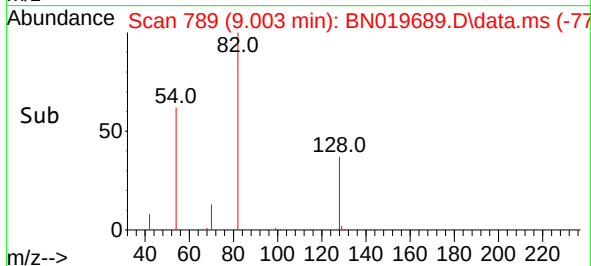
Instrument :
BNA_N
ClientSampleId :
B5-0-2



Tgt Ion: 82 Resp: 5398
Ion Ratio Lower Upper
82 100
128 38.7 32.4 48.6
54 63.7 44.4 66.6

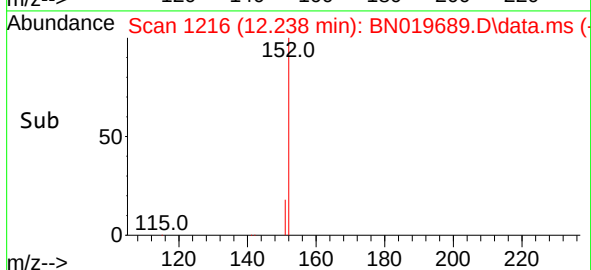
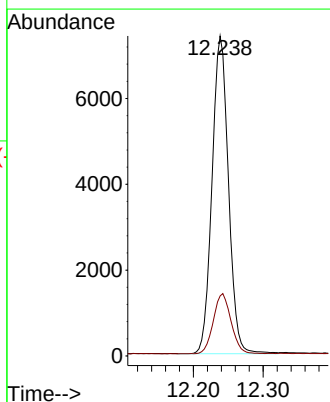
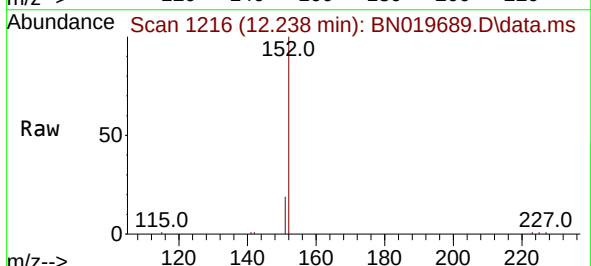
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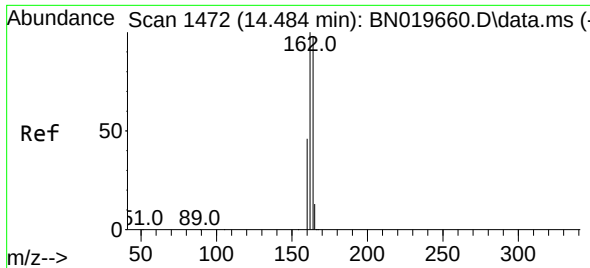
Reviewed By :Christian Giraldo 05/05/2022
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#11
2-Methylnaphthalene-d10
Concen: 0.448 ng
RT: 12.238 min Scan# 1216
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

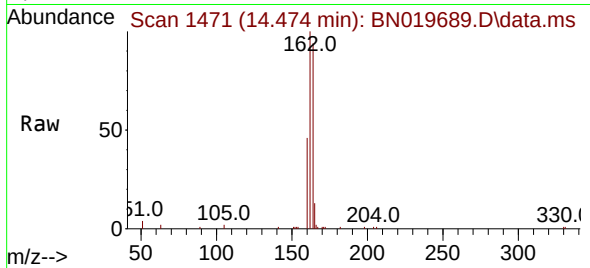
Tgt Ion:152 Resp: 12096
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1472
Delta R.T. -0.011 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

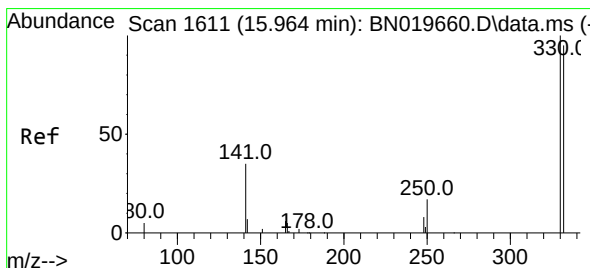
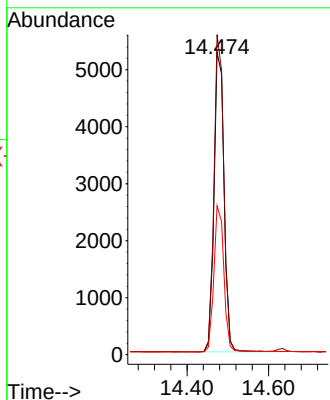
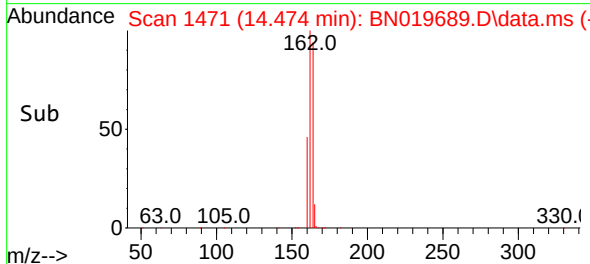
Instrument :
BNA_N
ClientSampleId :
B5-0-2



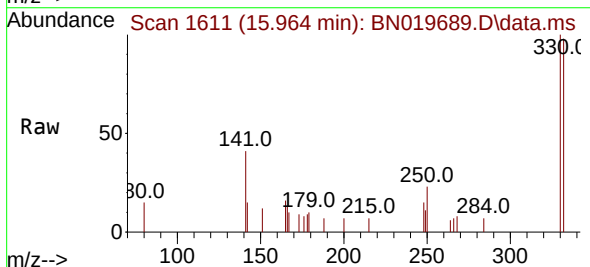
Tgt Ion:164 Resp: 893
Ion Ratio Lower Upper
164 100
162 105.9 81.8 122.6
160 49.2 38.3 57.5

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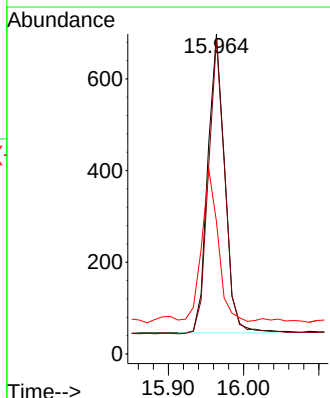
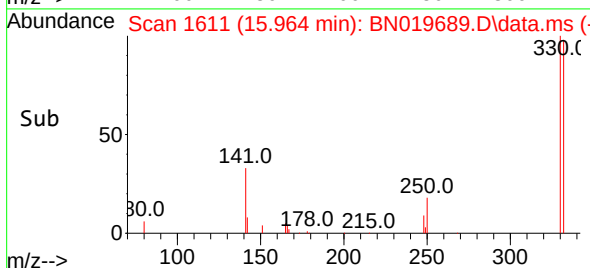
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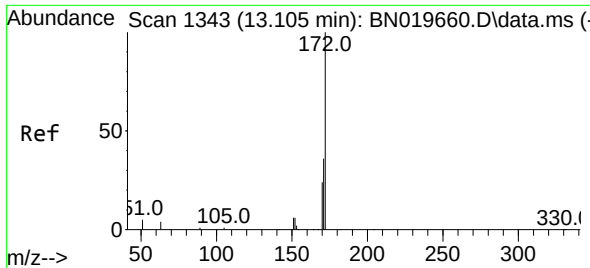


#14
2,4,6-Tribromophenol
Concen: 0.310 ng
RT: 15.964 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16



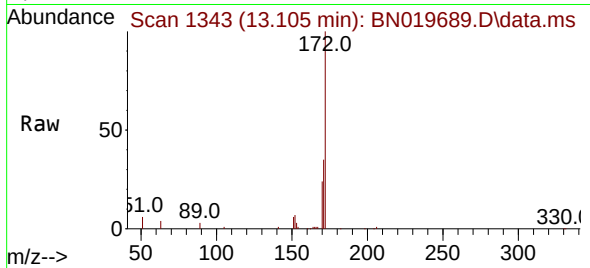
Tgt Ion:330 Resp: 1023
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 49.9 39.7 59.5





#15
2-Fluorobiphenyl
Concen: 0.422 ng
RT: 13.105 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

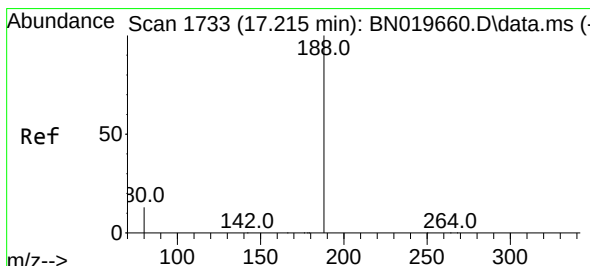
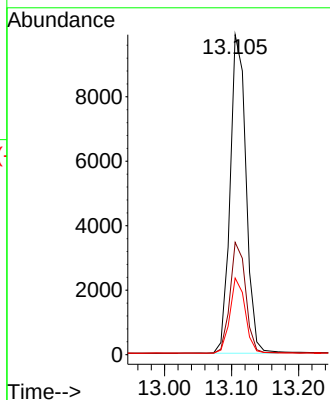
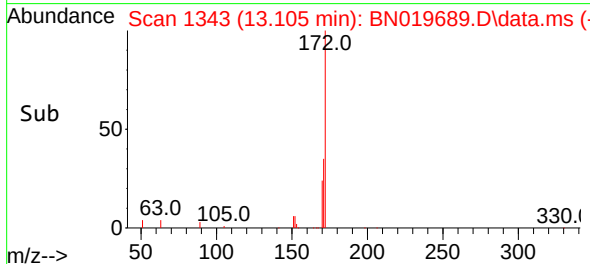
Instrument :
BNA_N
ClientSampleId :
B5-0-2



Tgt Ion:172 Resp: 16249
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 24.0 19.0 28.4

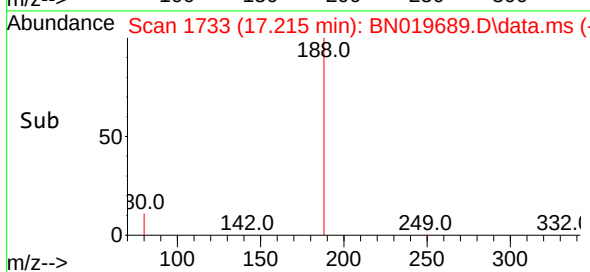
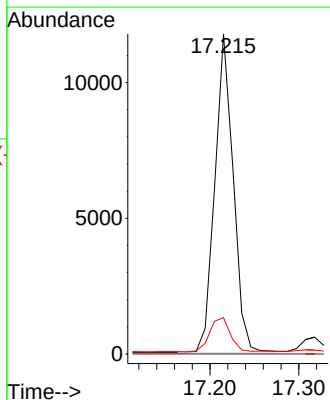
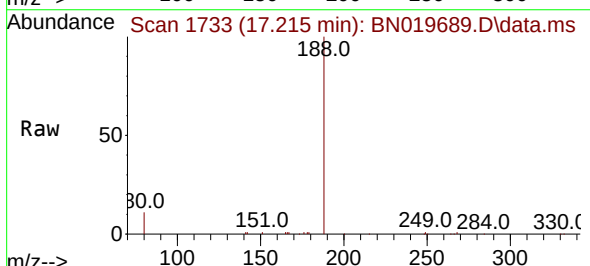
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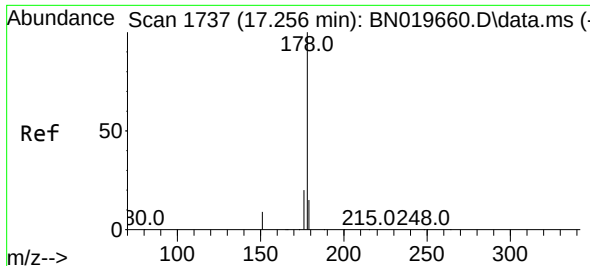
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

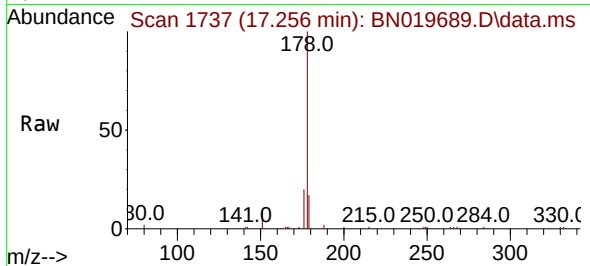
Tgt Ion:188 Resp: 16902
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 8.6 12.8





#25
Phenanthrene
Concen: 0.184 ng m
RT: 17.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

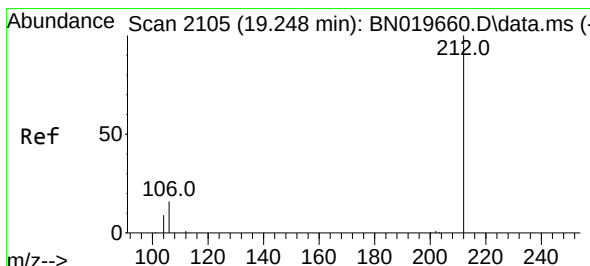
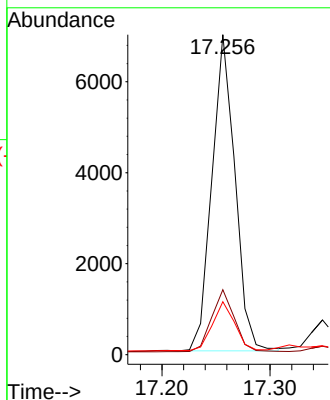
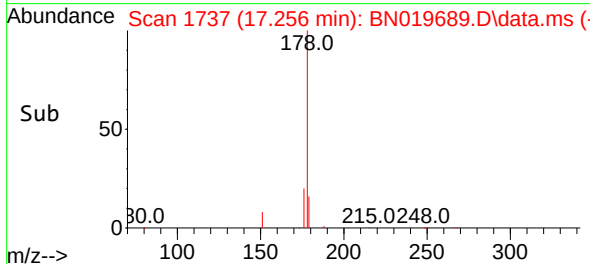
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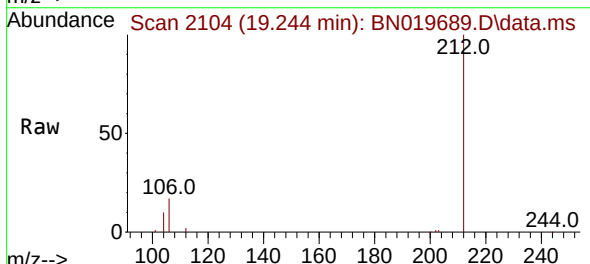
Tgt Ion:178 Resp: 10320
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.7 12.1 18.1

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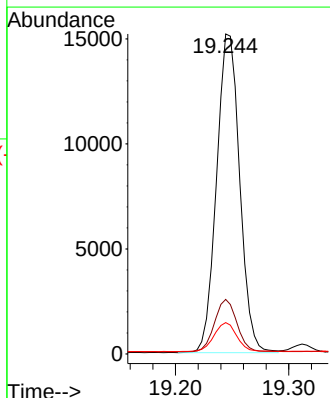
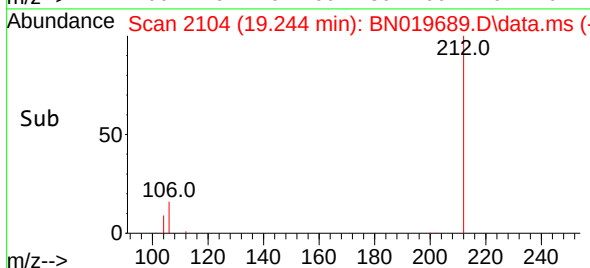
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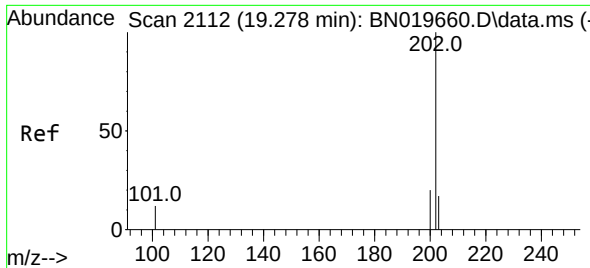


#27
Fluoranthene-d10
Concen: 0.460 ng
RT: 19.244 min Scan# 2104
Delta R.T. -0.004 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16



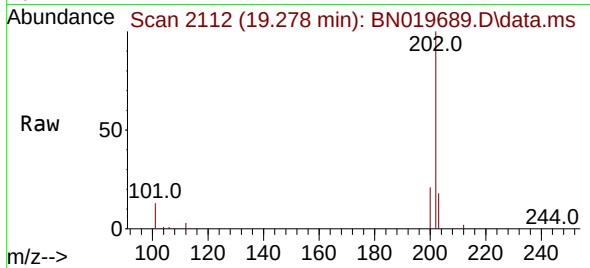
Tgt Ion:212 Resp: 21555
Ion Ratio Lower Upper
212 100
106 16.2 13.5 20.3
104 9.0 7.6 11.4





#28
Fluoranthene
Concen: 0.236 ng
RT: 19.278 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

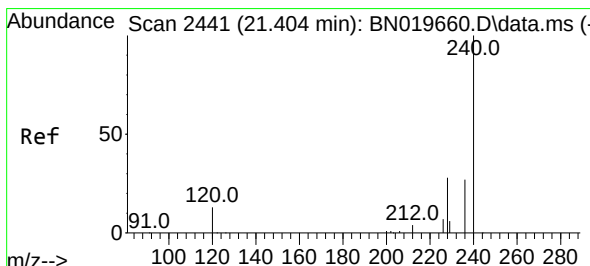
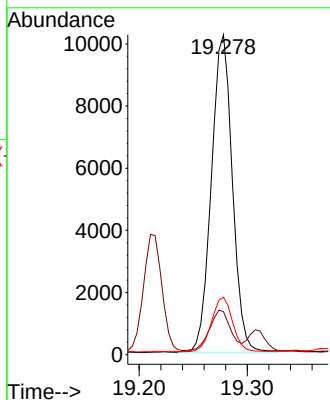
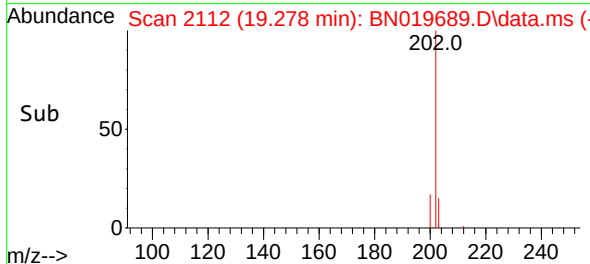
Instrument :
BNA_N
ClientSampleId :
B5-0-2



Tgt Ion:202 Resp: 13820
Ion Ratio Lower Upper
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101 13.3 10.6 15.8
203 17.0 13.6 20.4

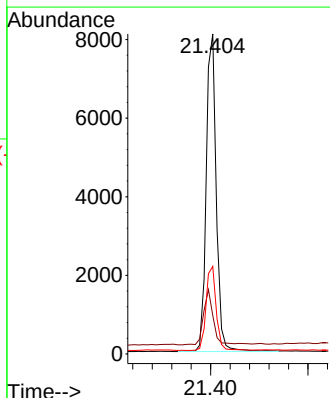
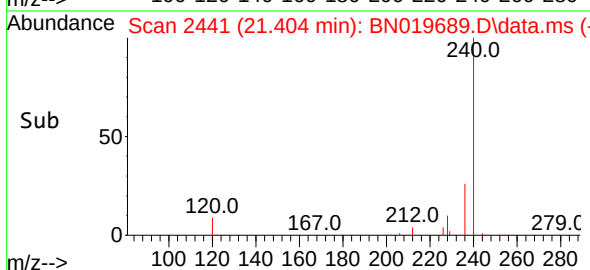
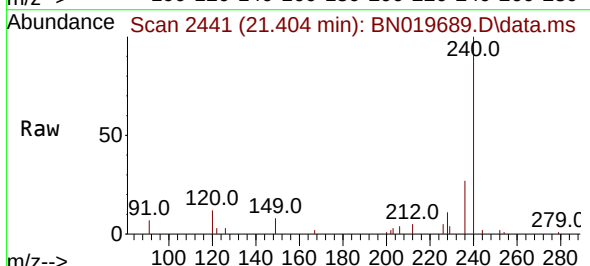
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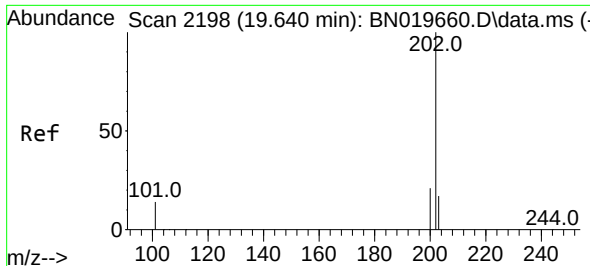
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.404 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

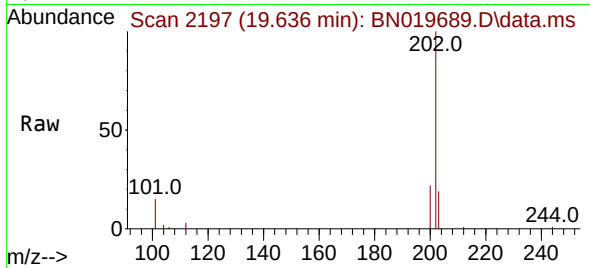
Tgt Ion:240 Resp: 11603
Ion Ratio Lower Upper
240 100
120 12.0 17.4 26.2#
236 27.4 23.0 34.4





#30
Pyrene
Concen: 0.254 ng
RT: 19.636 min Scan# 2197
Delta R.T. -0.004 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

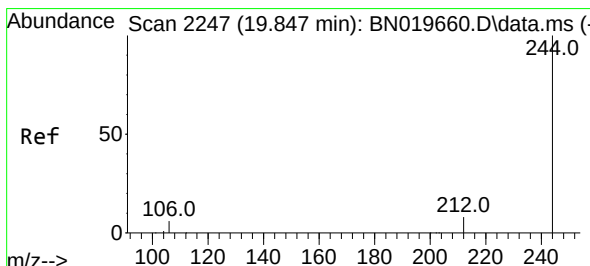
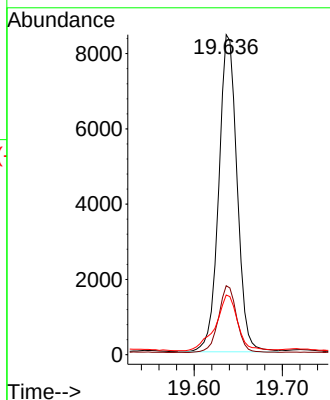
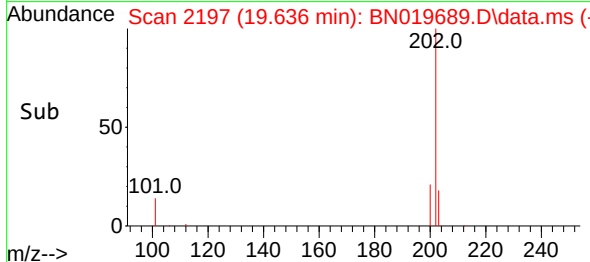
Instrument :
BNA_N
ClientSampleId :
B5-0-2



Tgt Ion:202 Resp: 1220
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 21.1 14.2 21.4

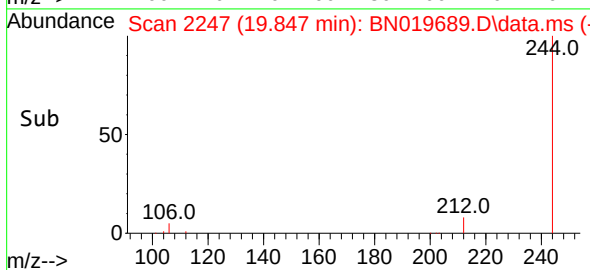
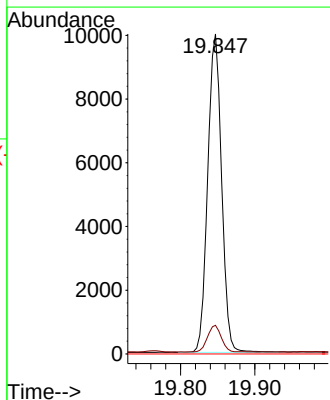
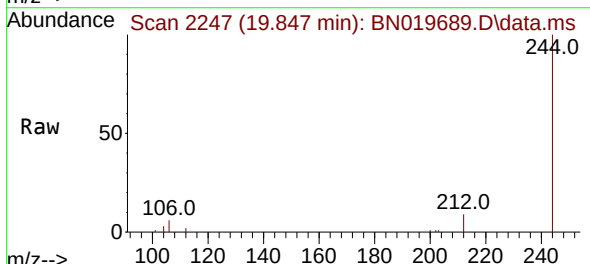
Manual Integrations
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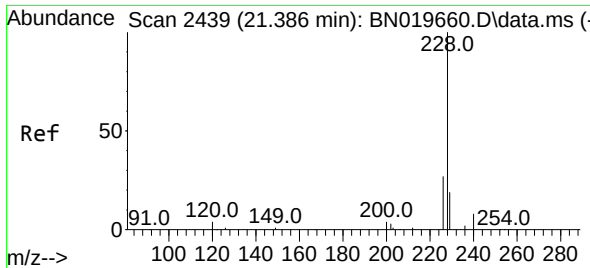
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#31
Terphenyl-d14
Concen: 0.476 ng
RT: 19.847 min Scan# 2247
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

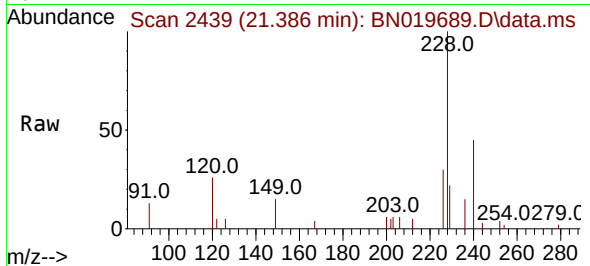
Tgt Ion:244 Resp: 12947
Ion Ratio Lower Upper
244 100
212 8.9 7.6 11.4
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 0.138 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

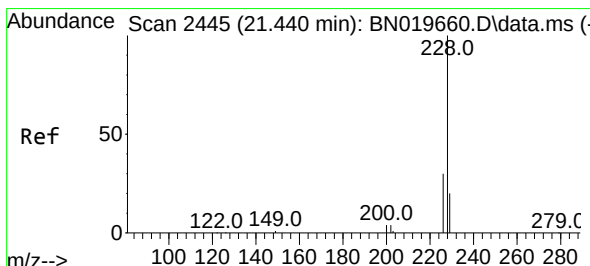
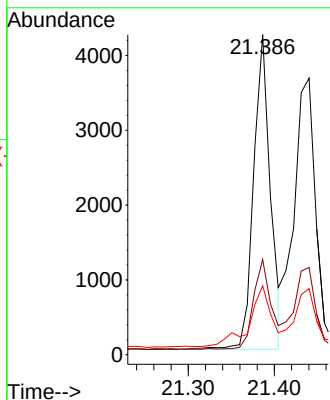
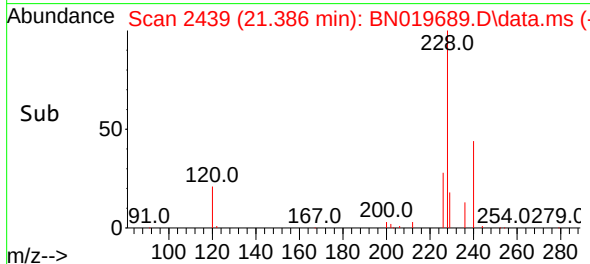
Instrument :
BNA_N
ClientSampleId :
B5-0-2



Tgt Ion:228 Resp: 5684
Ion Ratio Lower Upper
228 100
226 29.7 21.6 32.4
229 21.5 16.5 24.7

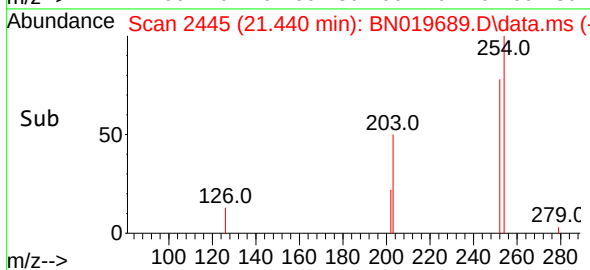
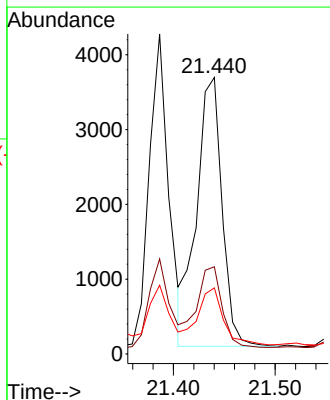
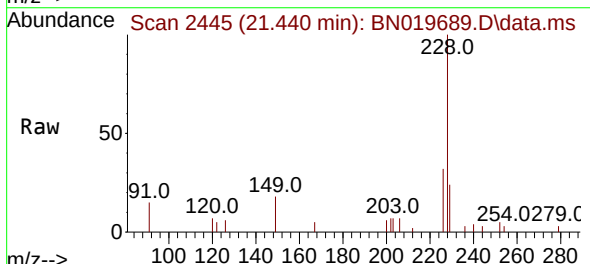
Manual Integrations
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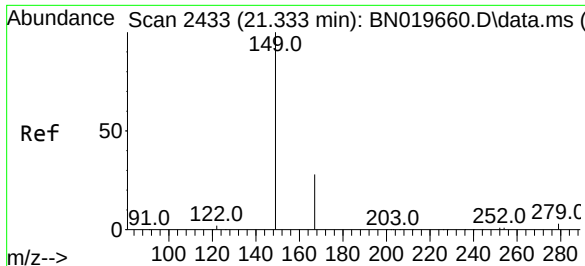
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#33
Chrysene
Concen: 0.139 ng
RT: 21.440 min Scan# 2445
Delta R.T. -0.000 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

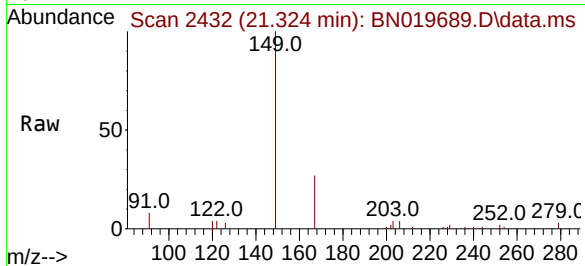
Tgt Ion:228 Resp: 6262
Ion Ratio Lower Upper
228 100
226 31.5 24.6 36.8
229 23.9 15.9 23.9#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.310 ng
RT: 21.324 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

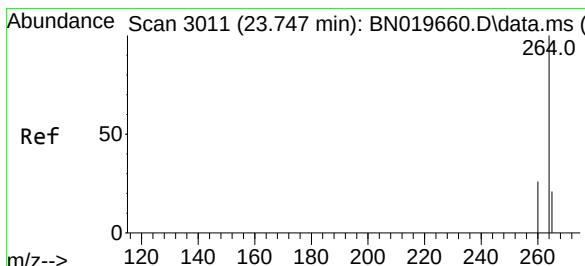
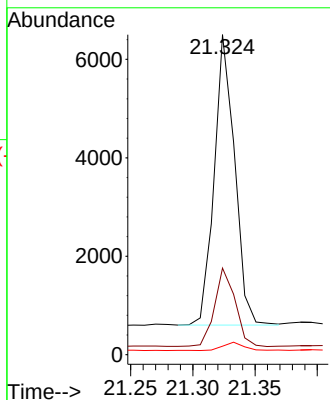
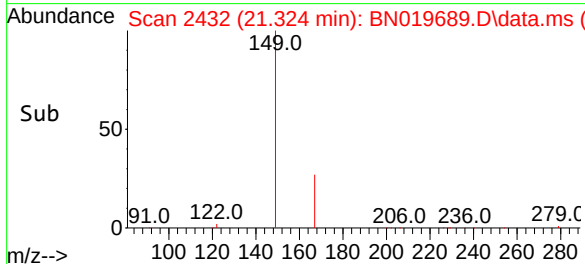
Instrument :
BNA_N
ClientSampleId :
B5-0-2



Tgt Ion:149 Resp: 675
Ion Ratio Lower Upper
149 100
167 26.9 21.7 32.5
279 2.8 2.8 4.2

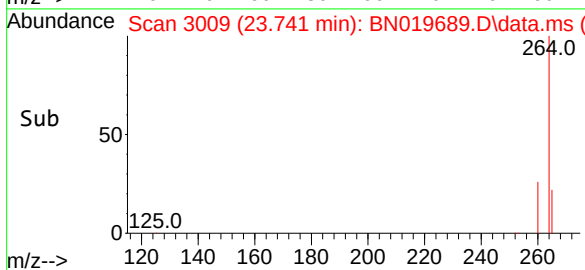
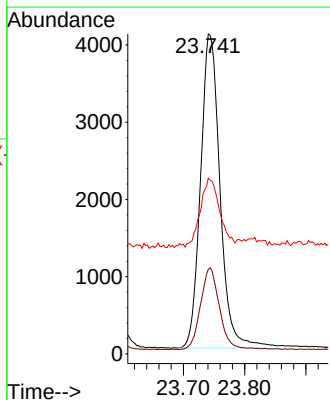
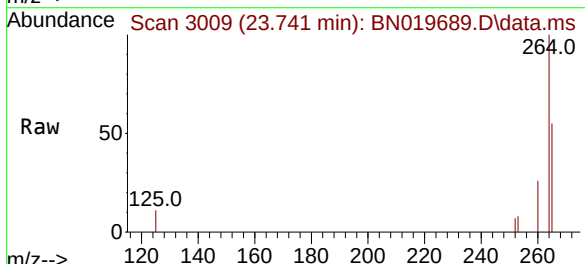
Manual Integrations
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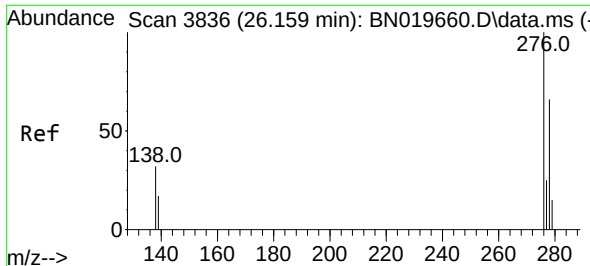
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 3009
Delta R.T. -0.006 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

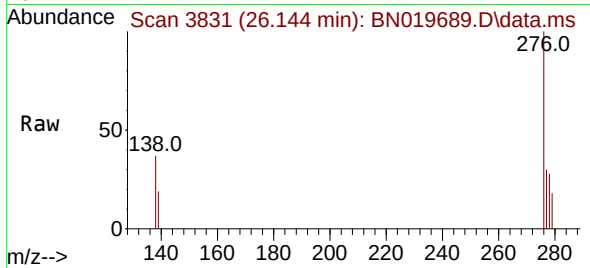
Tgt Ion:264 Resp: 9019
Ion Ratio Lower Upper
264 100
260 26.5 21.0 31.6
265 54.9 67.9 101.9#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.070 ng
RT: 26.144 min Scan# 3836
Delta R.T. -0.015 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

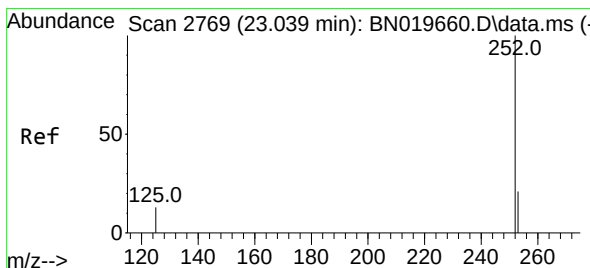
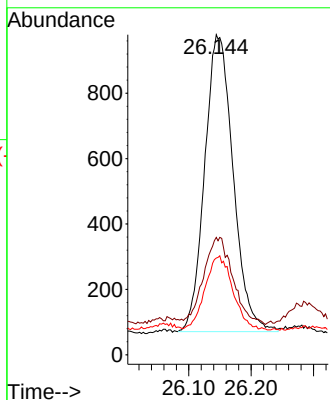
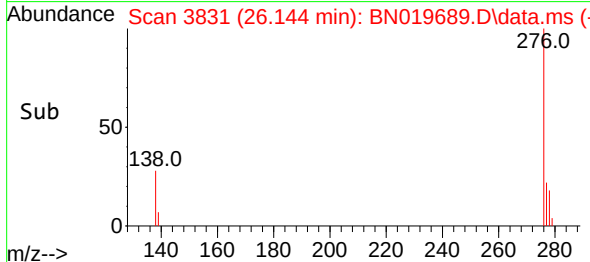
Instrument :
BNA_N
ClientSampleId :
B5-0-2



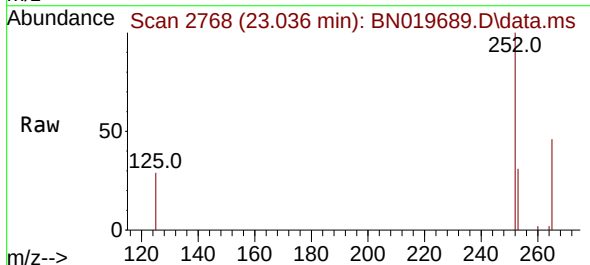
Tgt Ion:276 Resp: 2880
Ion Ratio Lower Upper
276 100
138 30.2 26.6 40.0
277 23.3 20.0 30.0

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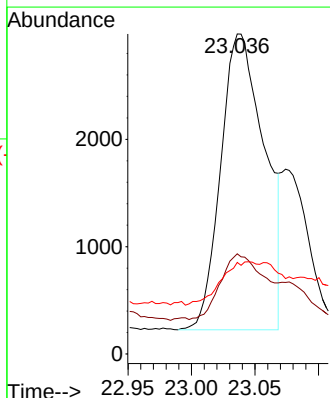
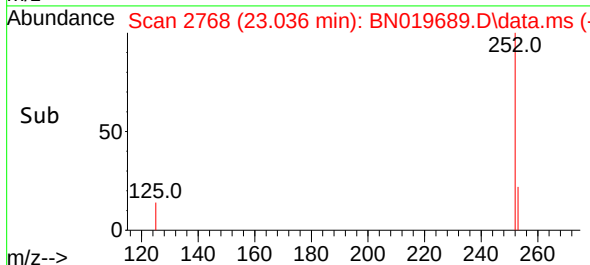
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

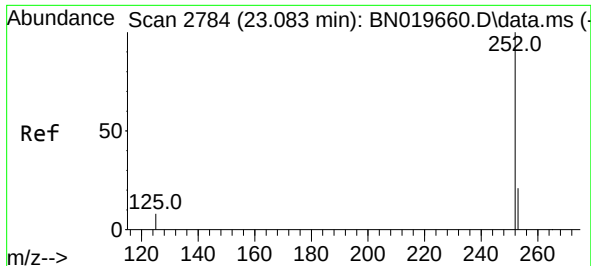


#37
Benzo(b)fluoranthene
Concen: 0.177 ng
RT: 23.036 min Scan# 2768
Delta R.T. -0.003 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16



Tgt Ion:252 Resp: 6606
Ion Ratio Lower Upper
252 100
253 31.3 21.2 31.8
125 28.6 15.9 23.9#





#38

Benzo(k)fluoranthene

Concen: 0.057 ng m

RT: 23.074 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN019689.D

Acq: 05 May 2022 07:16

Instrument :

BN019689.D

ClientSampleId :

B5-0-2

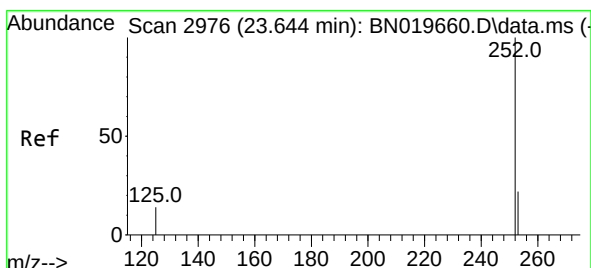
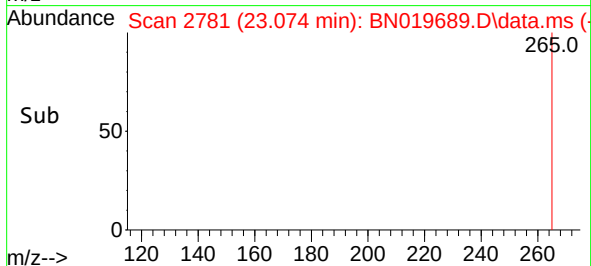
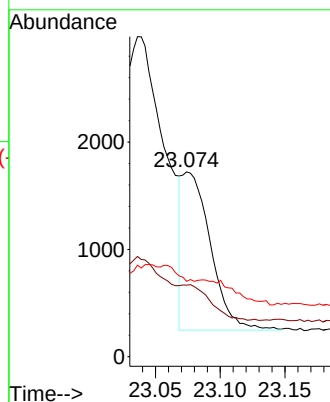
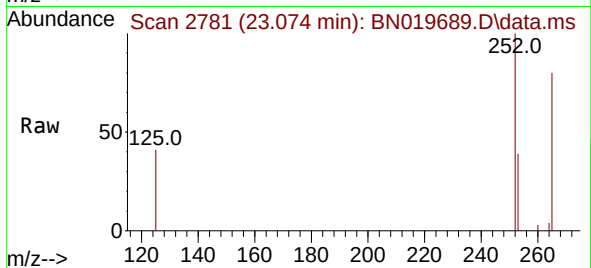
Tgt Ion:	252	Resp:	225
Ion Ratio	Lower	Upper	
252	100		
253	38.7	21.7	32.5
125	40.8	17.0	25.4

Manual Integrations

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Reviewed By :Christian Giraldo 05/05/2022

Supervised By :Jagrut Upadhyay 05/05/2022



#39

Benzo(a)pyrene

Concen: 0.162 ng

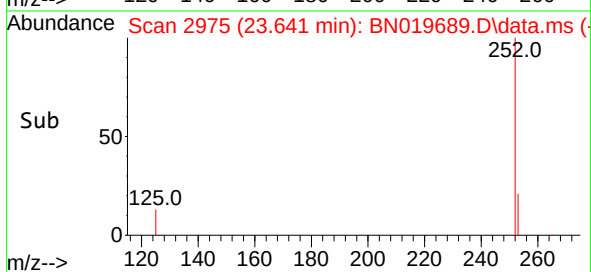
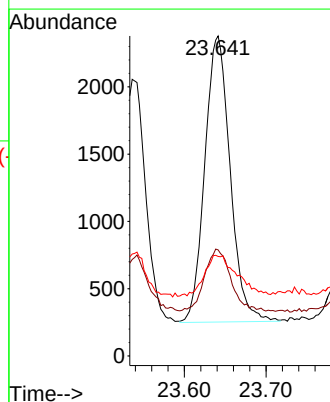
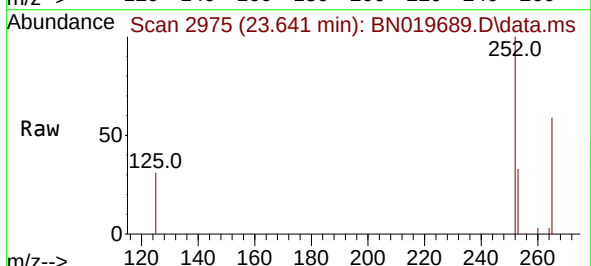
RT: 23.641 min Scan# 2975

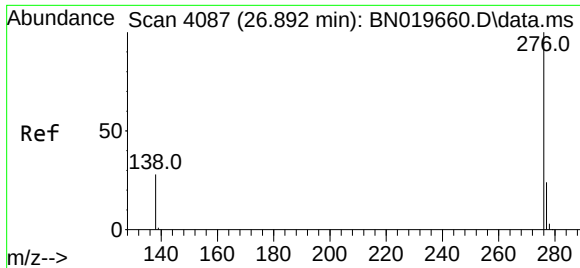
Delta R.T. -0.003 min

Lab File: BN019689.D

Acq: 05 May 2022 07:16

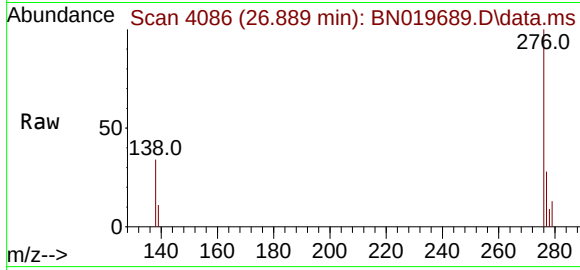
Tgt Ion:	252	Resp:	4583
Ion Ratio	Lower	Upper	
252	100		
253	33.1	23.1	34.7
125	31.1	20.4	30.6





#41
Benzo(g,h,i)perylene
Concen: 0.098 ng
RT: 26.889 min Scan# 4086
Delta R.T. -0.003 min
Lab File: BN019689.D
Acq: 05 May 2022 07:16

Instrument :
BNA_N
ClientSampleId :
B5-0-2



Tgt Ion:276 Resp: 325
Ion Ratio Lower Upper
276 100
277 28.1 20.2 30.2
138 34.0 23.5 35.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

