

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017669.D
 Acq On : 02 Dec 2021 04:03
 Operator : CG/JU
 Sample : M4894-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 T-5G

Quant Time: Dec 02 04:34:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 02 01:51:49 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	18427	0.40	ng	0.00
7) Naphthalene-d8	10.522	136	77711	0.40	ng	0.01
13) Acenaphthene-d10	14.359	164	47340	0.40	ng	0.00
19) Phenanthrene-d10	17.104	188	106270	0.40	ng	# 0.00
29) Chrysene-d12	21.293	240	123184	0.40	ng	# 0.01
35) Perylene-d12	23.585	264	125961	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	2237	0.05	ng	0.00
5) Phenol-d6	6.915	99	2264	0.05	ng	0.00
8) Nitrobenzene-d5	8.875	82	1889	0.06	ng	0.00
11) 2-Methylnaphthalene-d10	12.111	152	5975	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.856	330	935	0.16	ng	0.01
15) 2-Fluorobiphenyl	12.989	172	8596	0.05	ng	0.00
27) Fluoranthene-d10	19.134	212	16387	0.05	ng	0.00
31) Terphenyl-d14	19.735	244	12247	0.05	ng	0.00
Target Compounds						Qvalue
16) Acenaphthylene	14.080	152	34460	0.19	ng	99
25) Phenanthrene	17.141	178	327550	1.12	ng	100
26) Anthracene	17.226	178	69283	0.28	ng	98
28) Fluoranthene	19.164	202	743773	2.25	ng	# 97
30) Pyrene	19.526	202	629111	1.58	ng	98
32) Benzo(a)anthracene	21.271	228	323918m	0.87	ng	
33) Chrysene	21.325	228	225139	0.55	ng	98
34) Bis(2-ethylhexyl)phtha...	21.218	149	10554	0.12	ng	97
36) Indeno(1,2,3-cd)pyrene	25.933	276	186195	0.46	ng	# 90
37) Benzo(b)fluoranthene	22.890	252	390615m	0.94	ng	
38) Benzo(k)fluoranthene	22.931	252	140973m	0.33	ng	
39) Benzo(a)pyrene	23.483	252	298655m	0.80	ng	
40) Dibenzo(a,h)anthracene	25.944	278	33582	0.10	ng	97
41) Benzo(g,h,i)perylene	26.656	276	175602	0.51	ng	# 94

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

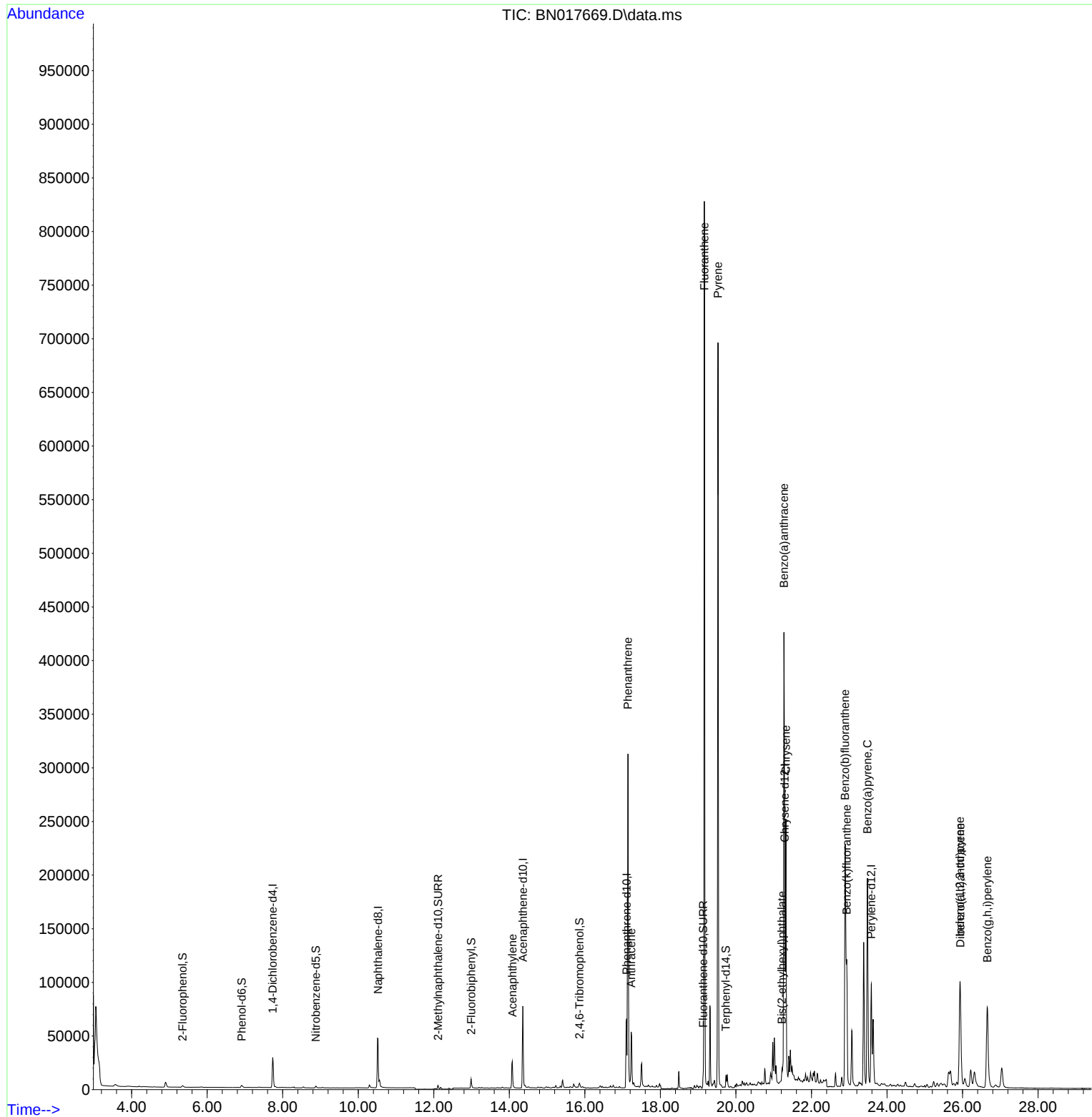
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Data File : BN017669.D
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ALS Vial : 20 Sample Multiplier: 1

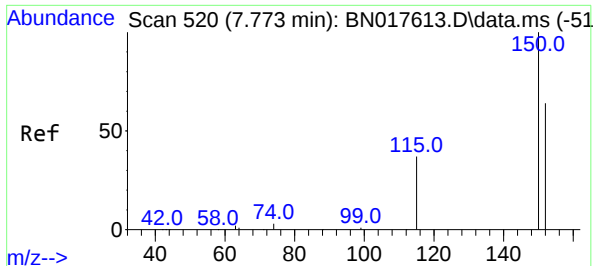
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Quant Time: Dec 02 04:34:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
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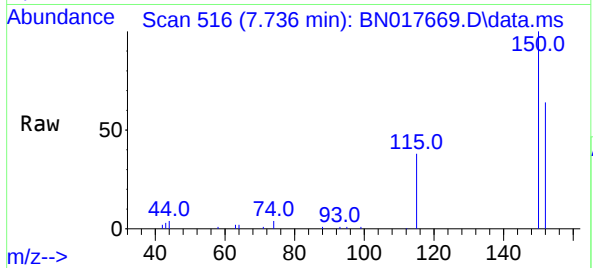
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.736 min Scan# 516
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

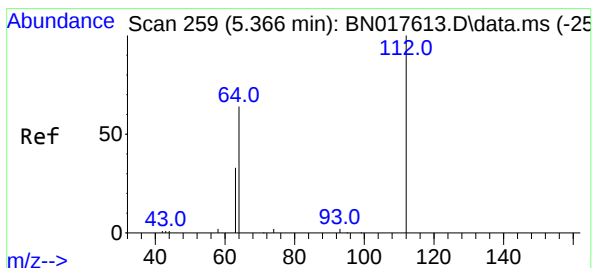
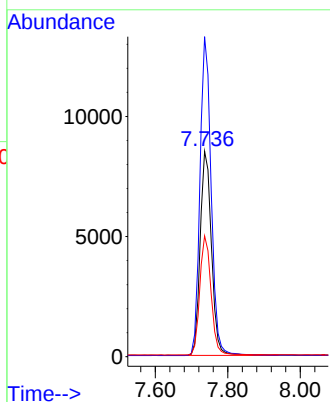
Instrument :
BNA_N
ClientSampleId :
T-5G



Tgt Ion:152 Resp: 1842
Ion Ratio Lower Upper
152 100
150 155.7 123.0 184.4
115 58.8 45.6 68.4

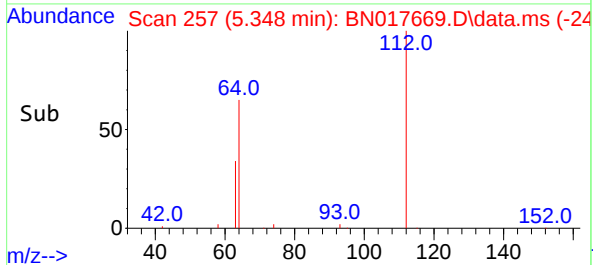
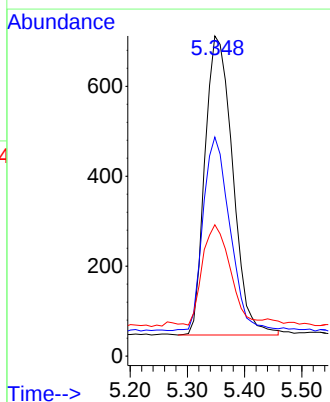
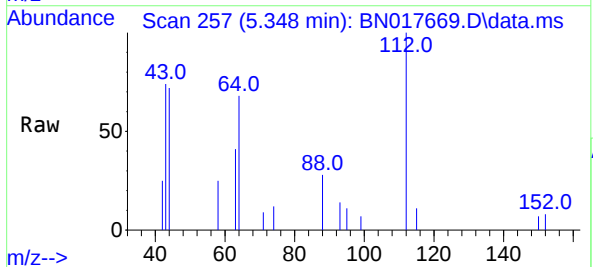
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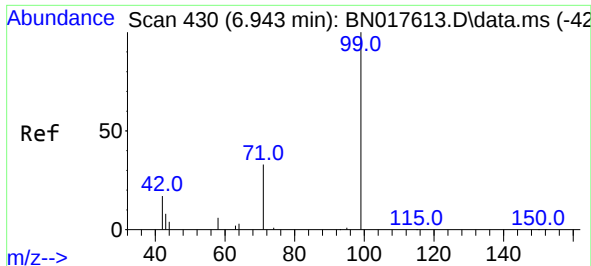
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#4
2-Fluorophenol
Concen: 0.05 ng
RT: 5.348 min Scan# 257
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

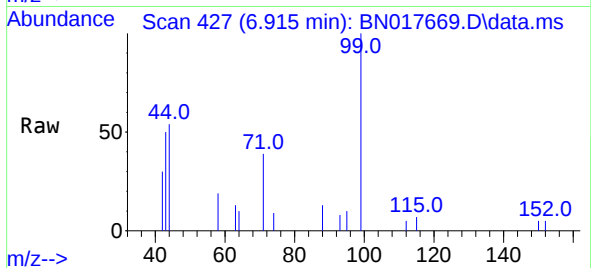
Tgt Ion:112 Resp: 2237
Ion Ratio Lower Upper
112 100
64 62.3 47.6 71.4
63 32.8 24.6 37.0





#5
Phenol-d6
Concen: 0.05 ng
RT: 6.915 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

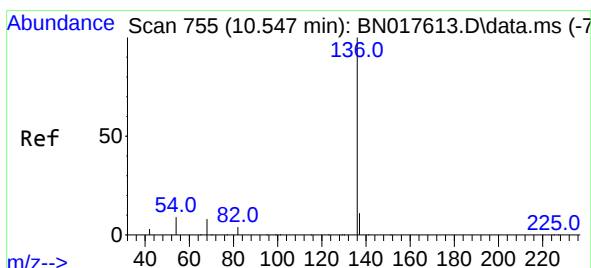
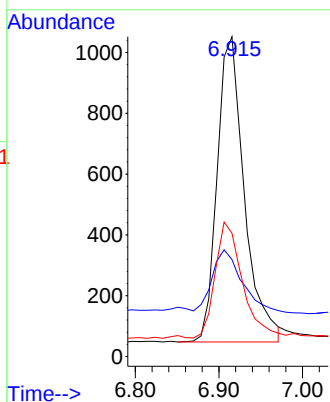
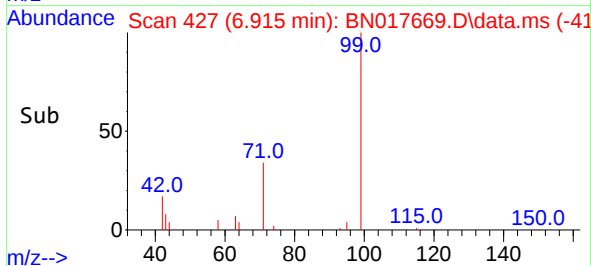
Instrument :
BNA_N
ClientSampleId :
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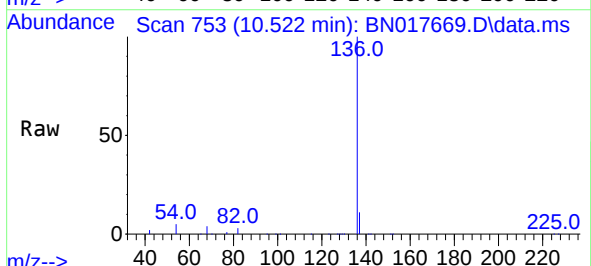
Tgt Ion: 99 Resp: 2264
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 37.9 24.8 37.2

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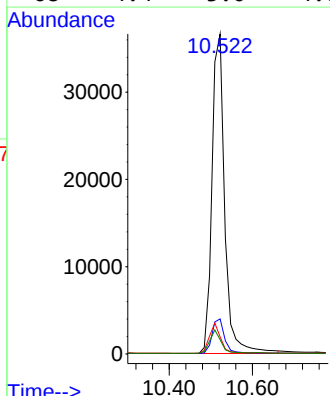
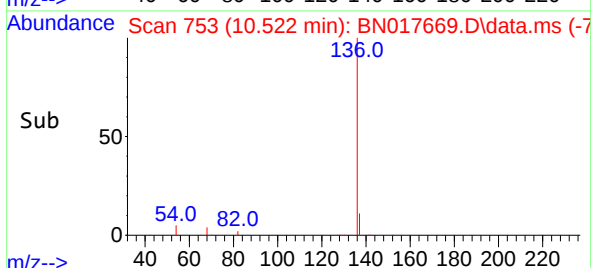
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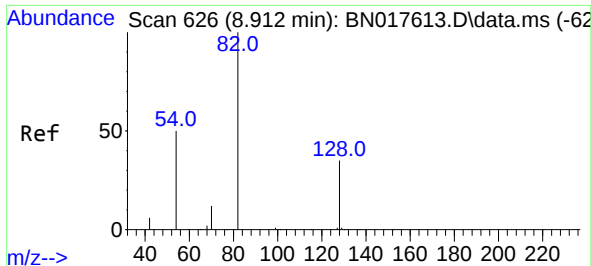


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.522 min Scan# 753
Delta R.T. 0.013 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03



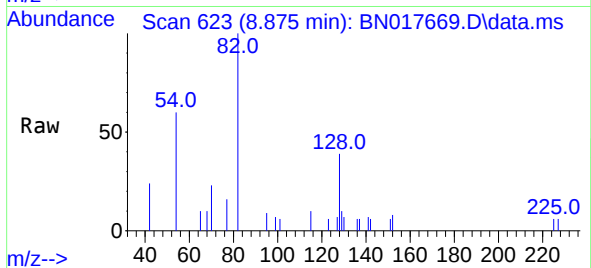
Tgt Ion:136 Resp: 77711
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 5.3 4.0 6.0
68 4.4 3.0 4.6





#8
Nitrobenzene-d5
Concen: 0.06 ng
RT: 8.875 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

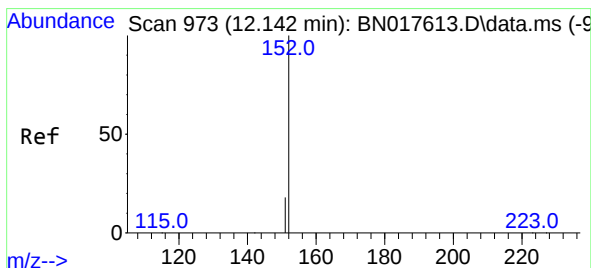
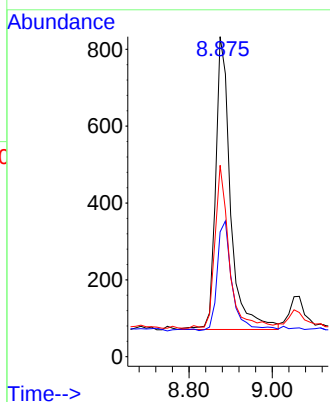
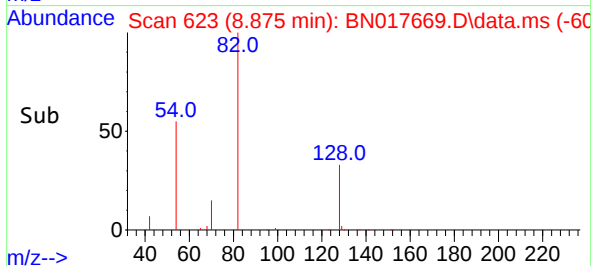
Instrument :
BNA_N
ClientSampleId :
T-5G



Tgt Ion: 82 Resp: 1889
Ion Ratio Lower Upper
82 100
128 39.0 27.7 41.5
54 59.8 49.2 73.8

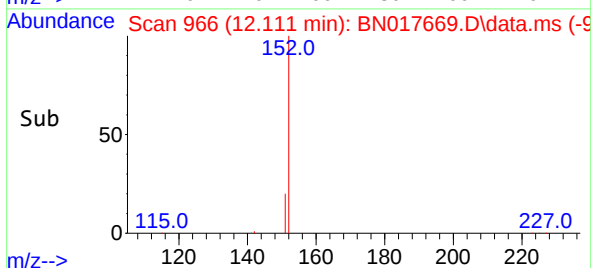
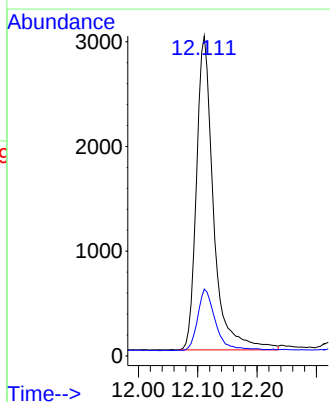
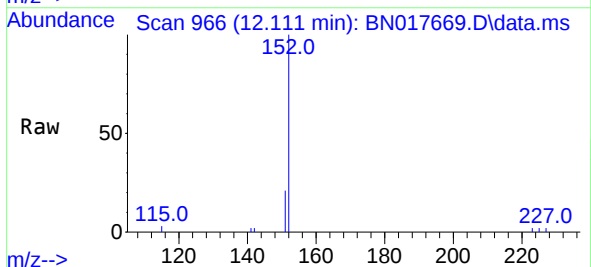
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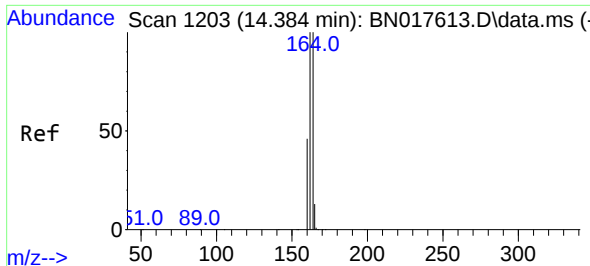
Reviewed By :Jagrut Upadhyay 12/02/2021
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#11
2-Methylnaphthalene-d10
Concen: 0.04 ng
RT: 12.111 min Scan# 966
Delta R.T. 0.005 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

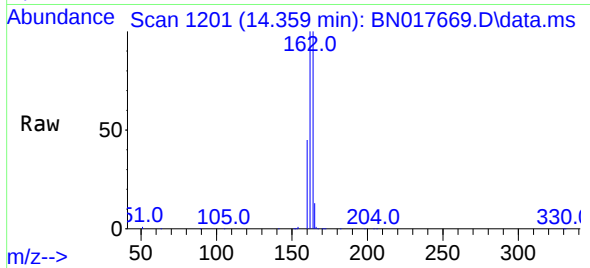
Tgt Ion:152 Resp: 5975
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.359 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

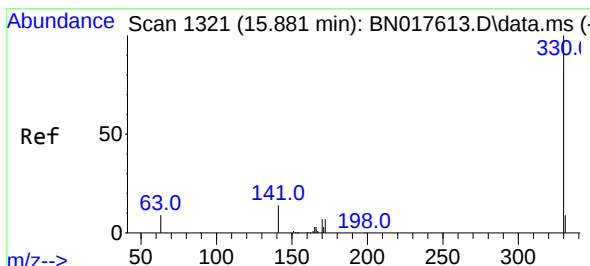
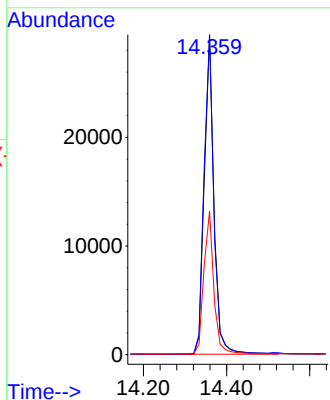
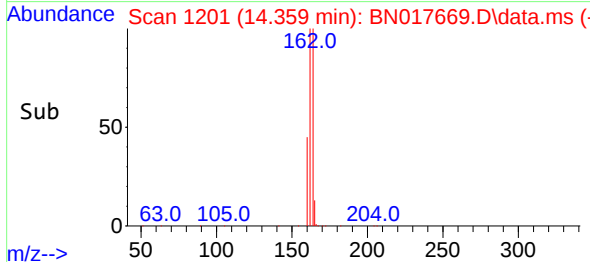
Instrument :
BNA_N
ClientSampleId :
T-5G



Tgt Ion:164 Resp: 47340
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.2
160 44.9 36.8 55.2

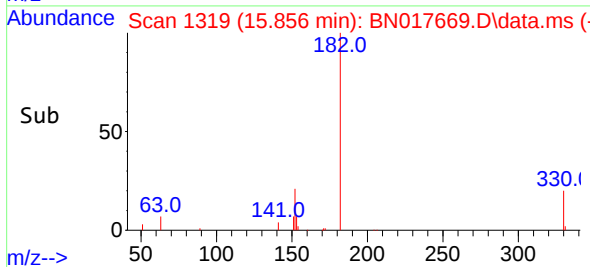
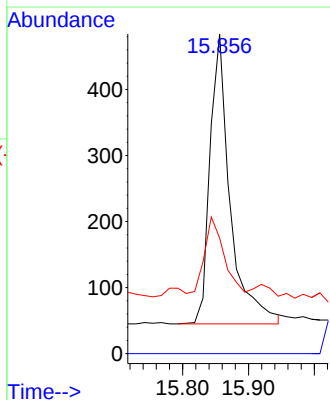
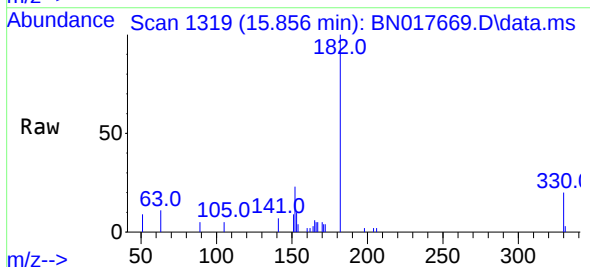
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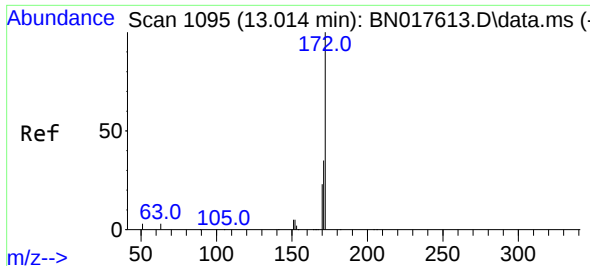
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Supervised By :mohammad ahmed 12/05/2021



#14
2,4,6-Tribromophenol
Concen: 0.16 ng
RT: 15.856 min Scan# 1319
Delta R.T. 0.013 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

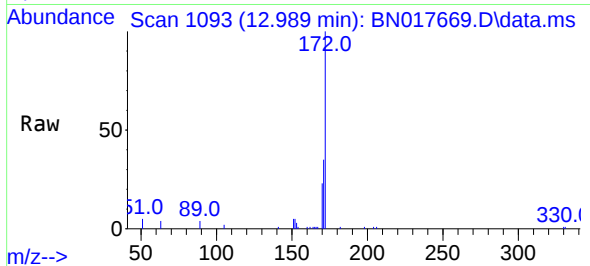
Tgt Ion:330 Resp: 935
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 28.6 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.05 ng
RT: 12.989 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

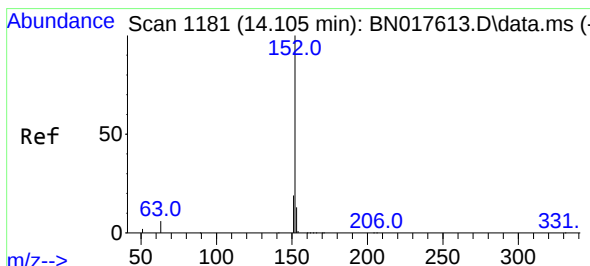
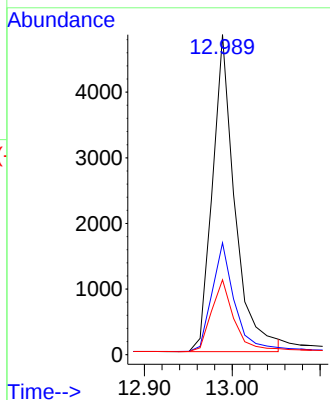
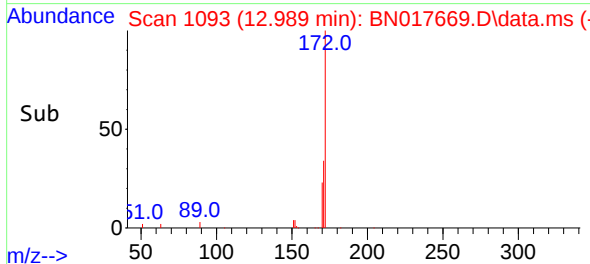
Instrument :
BNA_N
ClientSampleId :
T-5G



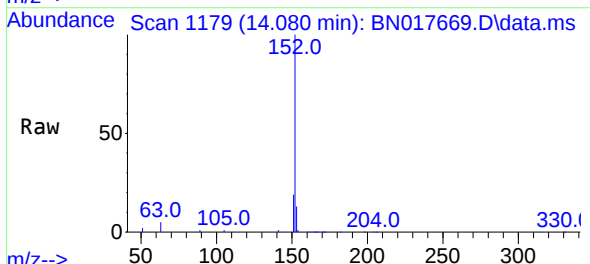
Tgt Ion:172 Resp: 8590
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 23.4 19.4 29.2

Manual Integrations
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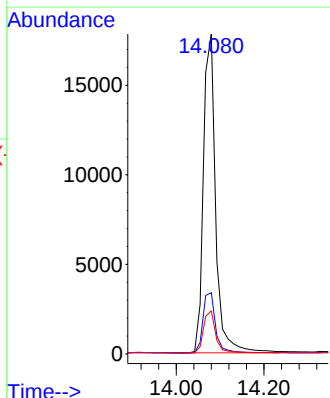
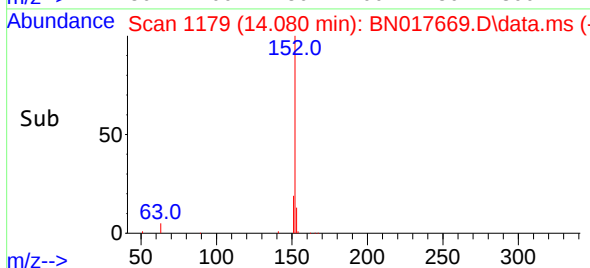
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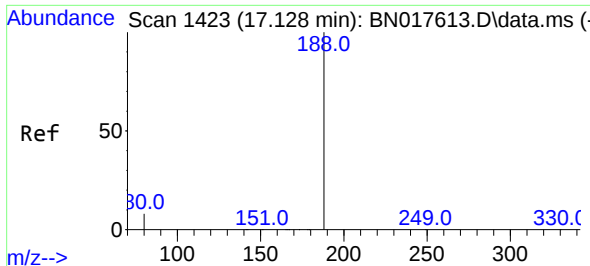


#16
Acenaphthylene
Concen: 0.19 ng
RT: 14.080 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03



Tgt Ion:152 Resp: 34460
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 13.2 10.4 15.6





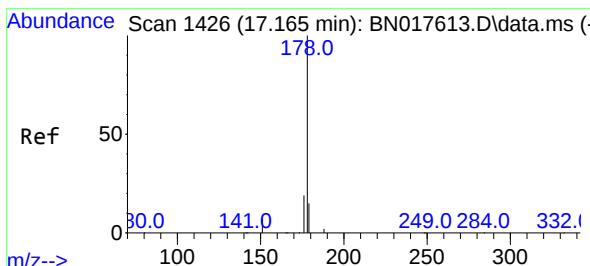
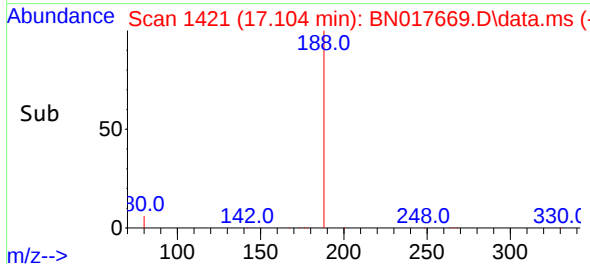
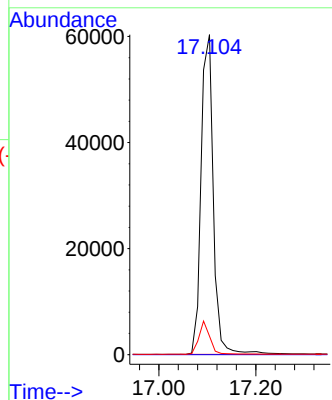
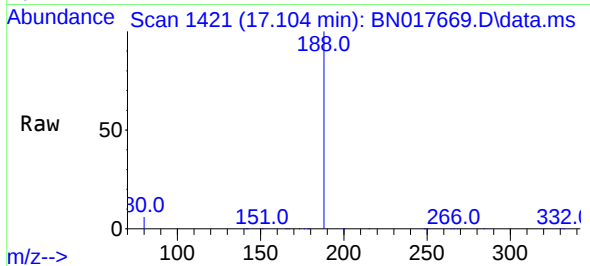
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Phenanthrene-d10
Concen: 0.40 ng
RT: 17.104 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Instrument :
BNA_N
ClientSampleId :
T-5G

Tgt Ion:188 Resp: 106270
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.8 6.1 9.1

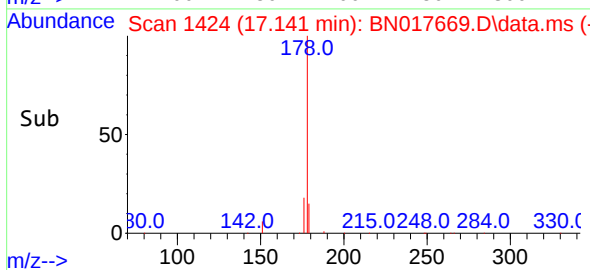
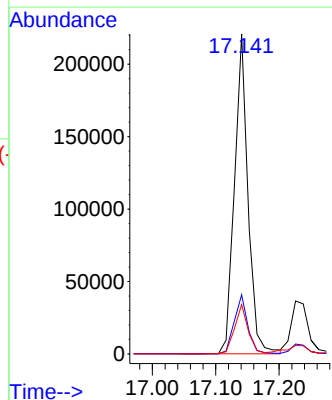
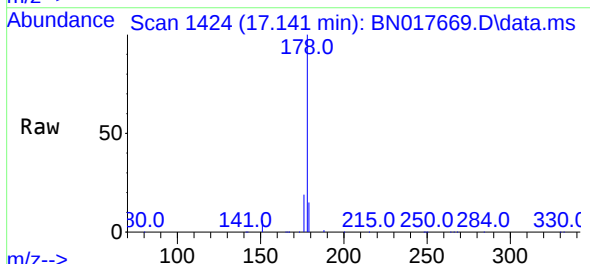
Manual Integrations
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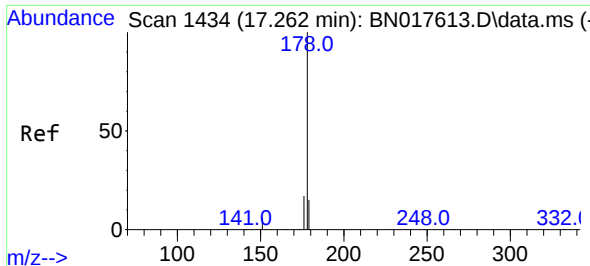
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Supervised By :mohammad ahmed 12/05/2021



#25
Phenanthrene
Concen: 1.12 ng
RT: 17.141 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

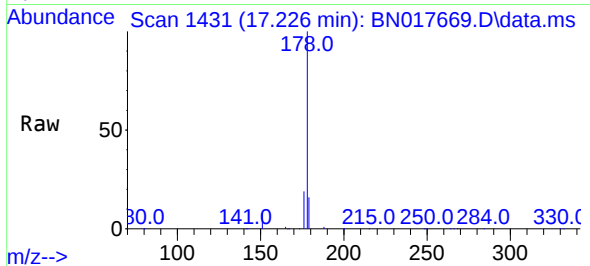
Tgt Ion:178 Resp: 327550
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.3 12.3 18.5





#26
 Anthracene
 Concen: 0.28 ng
 RT: 17.226 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017669.D
 Acq: 02 Dec 2021 04:03

Instrument :
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 ClientSampleId :
 T-5G

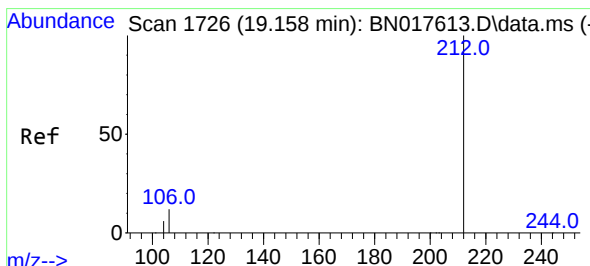
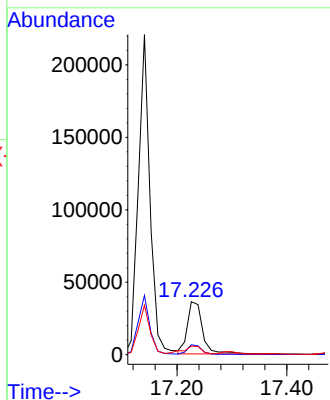
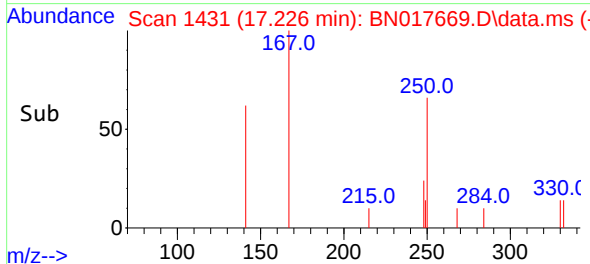


Tgt Ion:178 Resp: 6928

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	16.9	12.2	18.4

Manual Integrations
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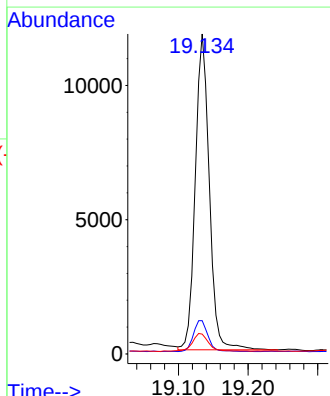
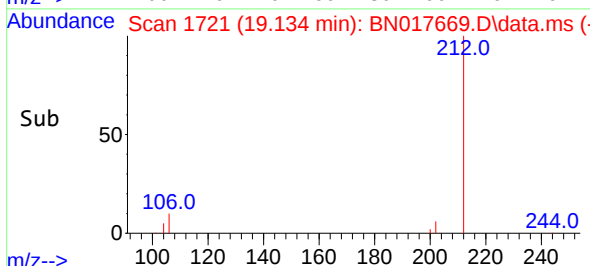
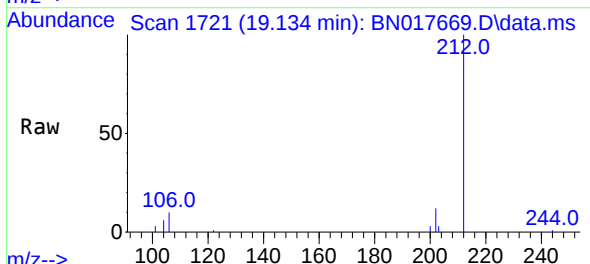
Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021

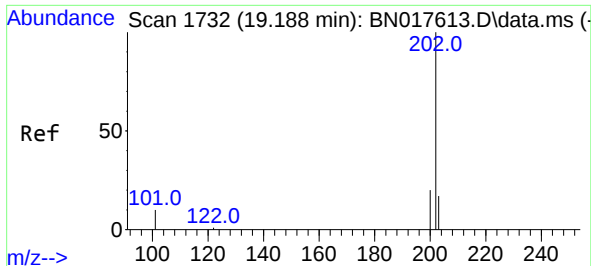


#27
 Fluoranthene-d10
 Concen: 0.05 ng
 RT: 19.134 min Scan# 1721
 Delta R.T. 0.000 min
 Lab File: BN017669.D
 Acq: 02 Dec 2021 04:03

Tgt Ion:212 Resp: 16387

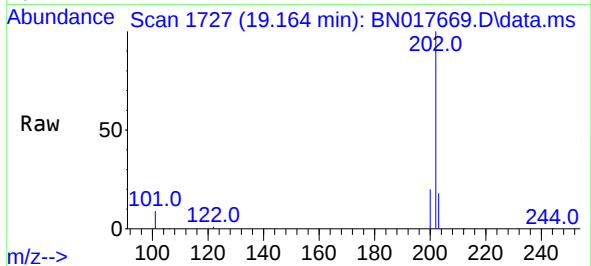
Ion	Ratio	Lower	Upper
212	100		
106	10.2	10.5	15.7#
104	6.6	5.8	8.6





#28
Fluoranthene
Concen: 2.25 ng
RT: 19.164 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

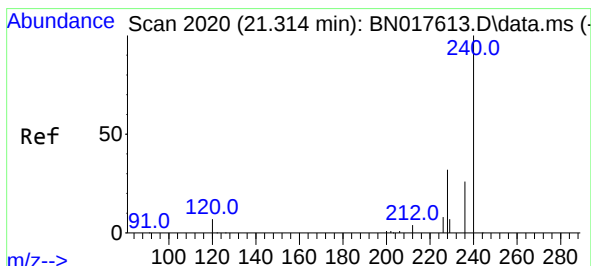
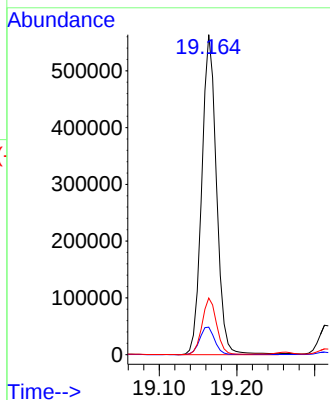
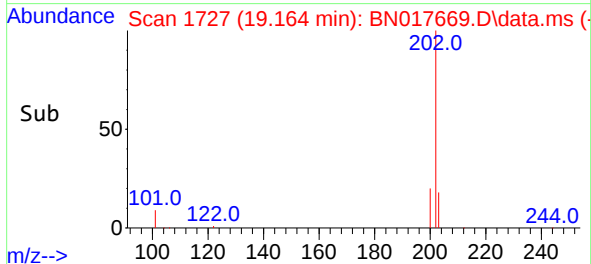
Instrument :
BNA_N
ClientSampleId :
T-5G



Tgt Ion:202 Resp: 74377
Ion Ratio Lower Upper
202 100
101 8.9 8.9 13.3
203 17.5 13.8 20.6

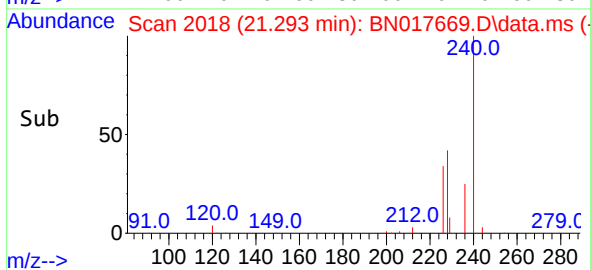
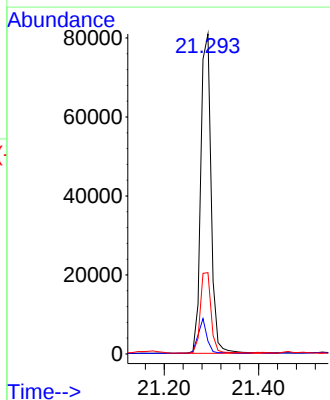
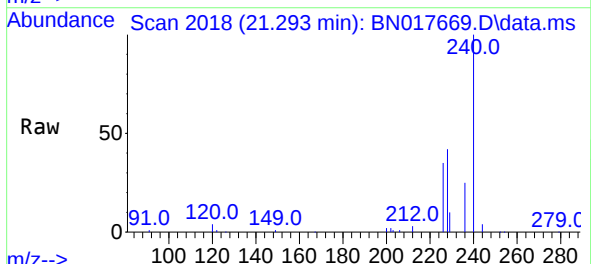
Manual Integrations
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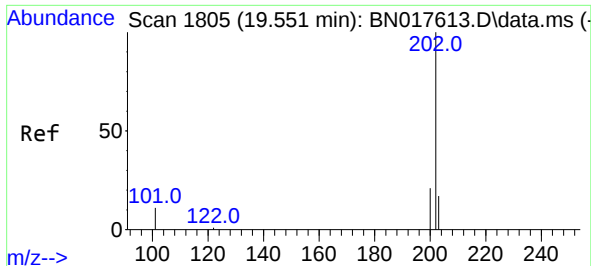
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.293 min Scan# 2018
Delta R.T. 0.011 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

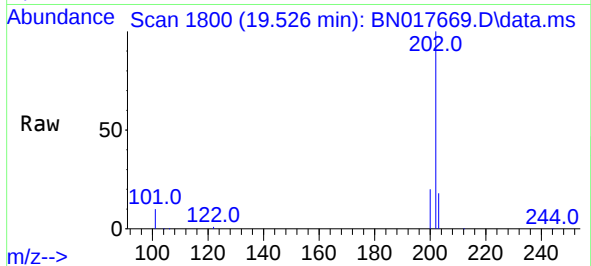
Tgt Ion:240 Resp: 123184
Ion Ratio Lower Upper
240 100
120 4.0 4.2 6.2
236 25.4 20.0 30.0





#30
Pyrene
Concen: 1.58 ng
RT: 19.526 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

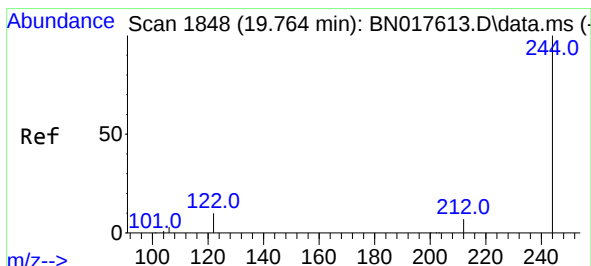
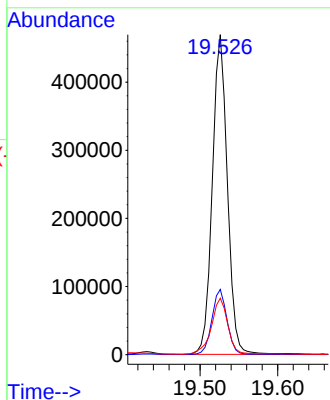
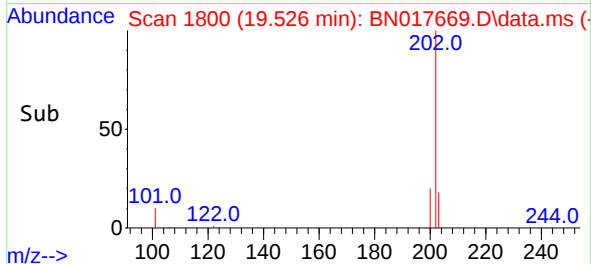
Instrument :
BNA_N
ClientSampleId :
T-5G



Tgt Ion:202 Resp: 62911
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 19.2 14.0 21.0

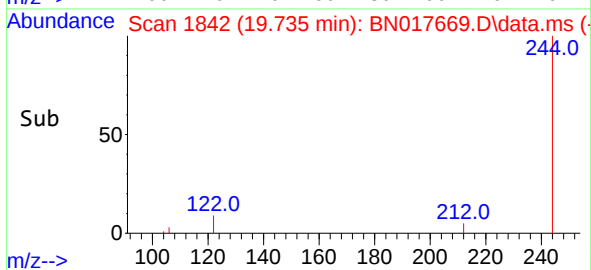
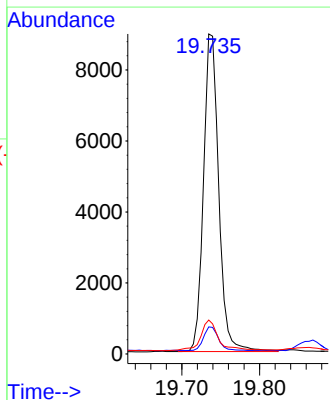
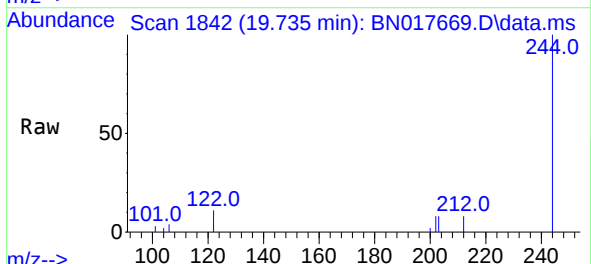
Manual Integrations
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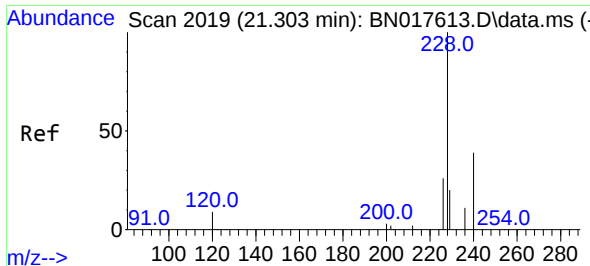
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#31
Terphenyl-d14
Concen: 0.05 ng
RT: 19.735 min Scan# 1842
Delta R.T. -0.005 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

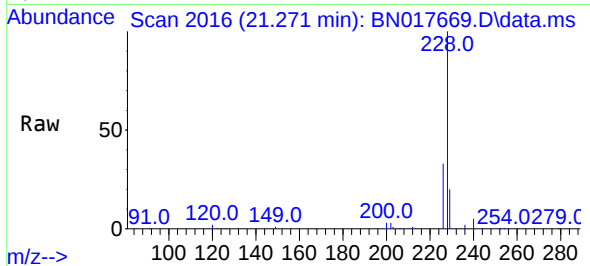
Tgt Ion:244 Resp: 12247
Ion Ratio Lower Upper
244 100
212 8.4 5.7 8.5
122 10.6 8.6 13.0





#32
Benzo(a)anthracene
Concen: 0.87 ng m
RT: 21.271 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

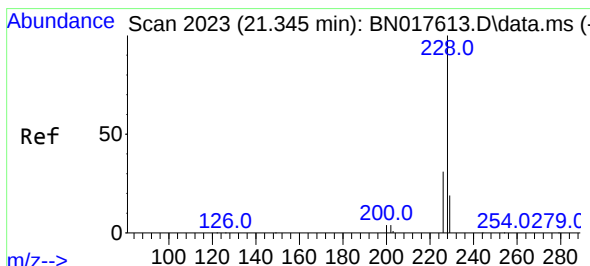
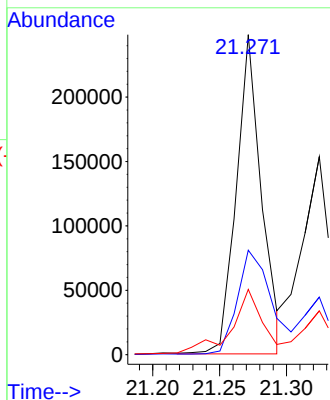
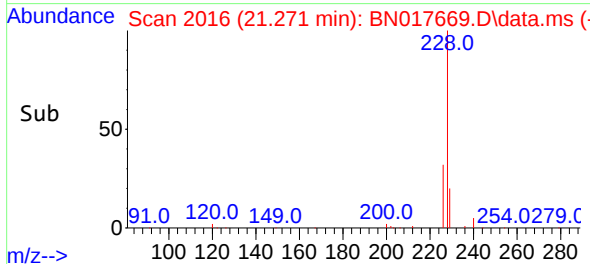
Instrument :
BNA_N
ClientSampleId :
T-5G



Tgt Ion:228 Resp: 323918
Ion Ratio Lower Upper
228 100
226 32.6 21.3 31.9
229 20.4 15.7 23.5

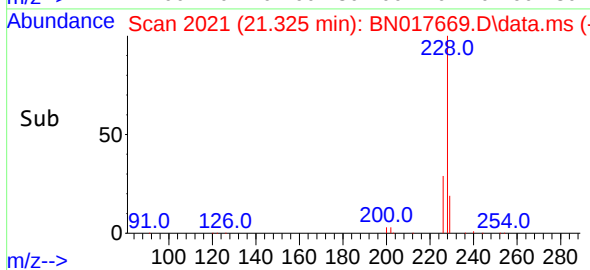
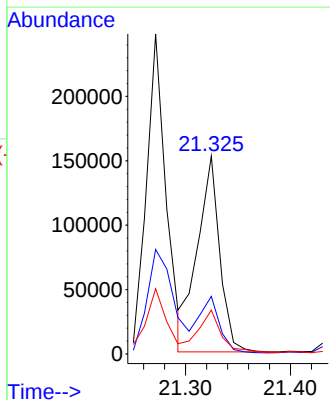
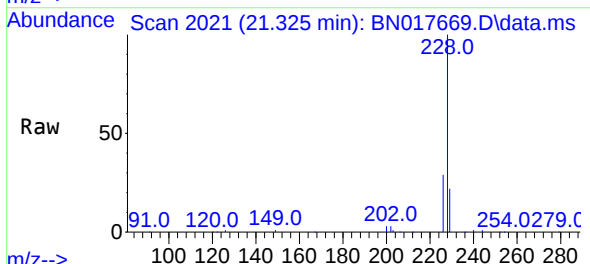
Manual Integrations
APPROVED

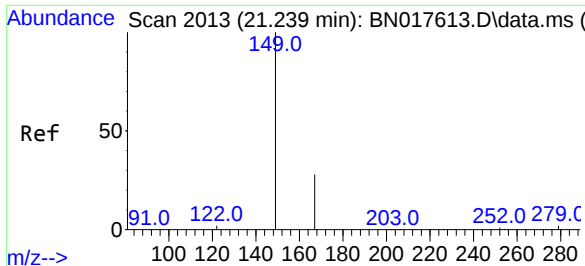
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#33
Chrysene
Concen: 0.55 ng
RT: 21.325 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Tgt Ion:228 Resp: 225139
Ion Ratio Lower Upper
228 100
226 29.1 23.3 34.9
229 22.2 15.6 23.4





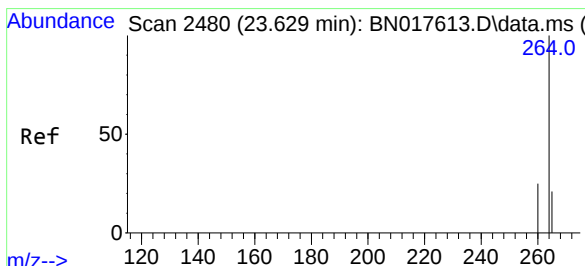
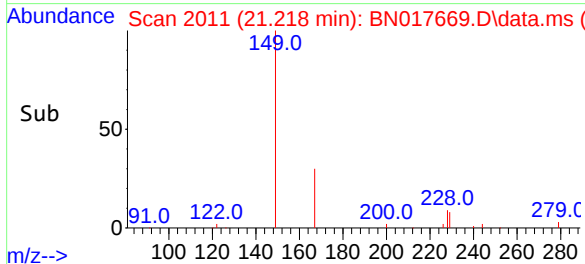
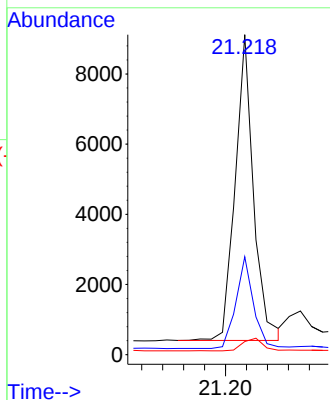
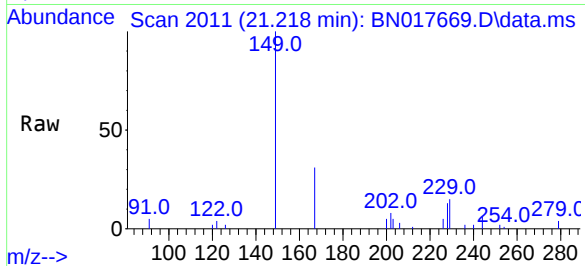
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.12 ng
RT: 21.218 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

Instrument :
BNA_N
ClientSampleId :
T-5G

Tgt Ion:149 Resp: 10554
Ion Ratio Lower Upper
149 100
167 28.8 21.8 32.6
279 5.0 3.4 5.0

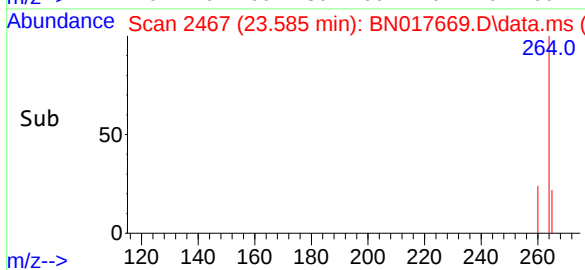
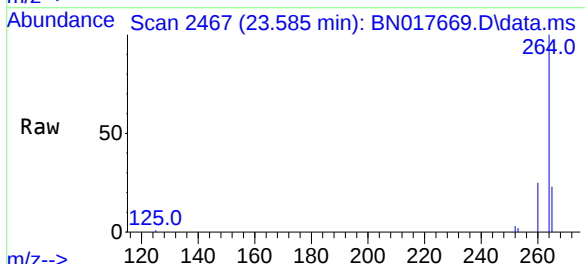
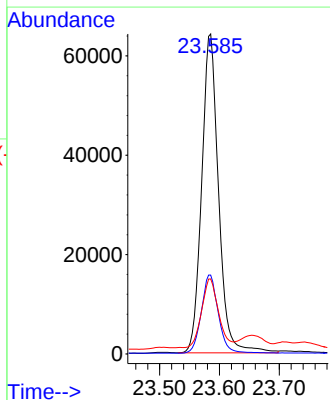
Manual Integrations
APPROVED

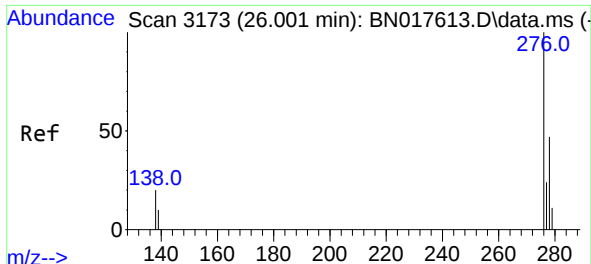
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.585 min Scan# 2467
Delta R.T. 0.004 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

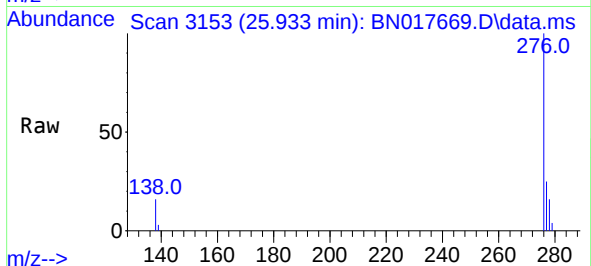
Tgt Ion:264 Resp: 125961
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 23.4 18.6 28.0





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.46 ng
RT: 25.933 min Scan# 3173
Delta R.T. -0.007 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

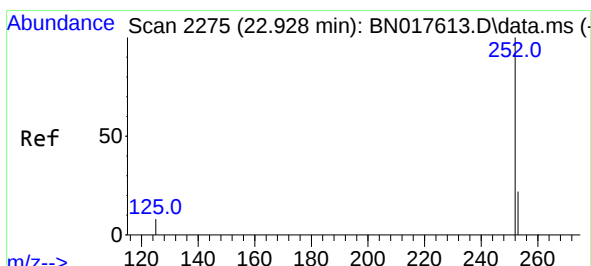
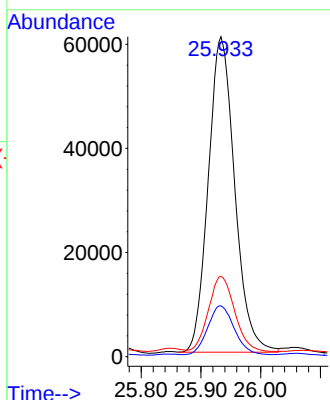
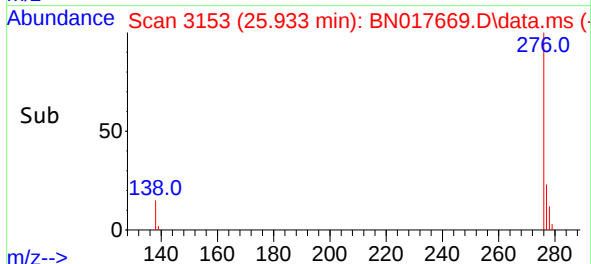
Instrument :
BNA_N
ClientSampleId :
T-5G



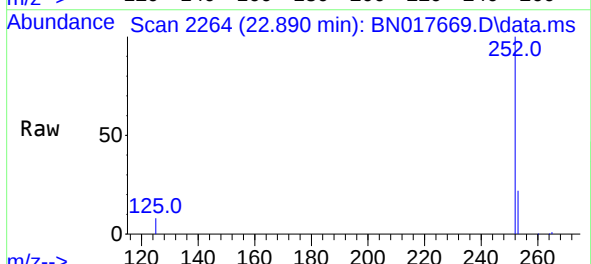
Tgt Ion:276 Resp: 18619
Ion Ratio Lower Upper
276 100
138 15.4 19.7 29.5
277 23.7 20.0 30.0

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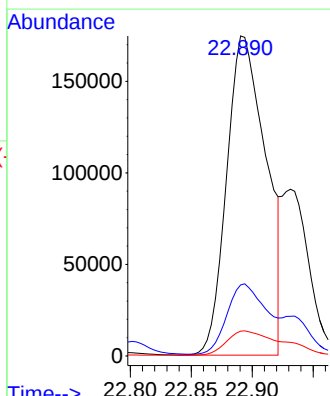
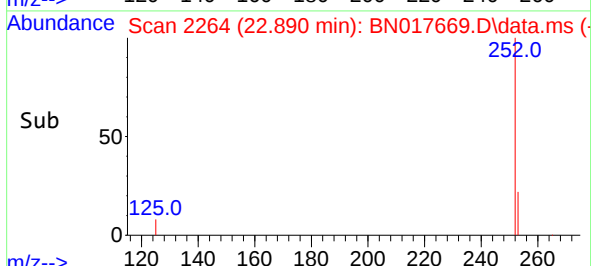
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

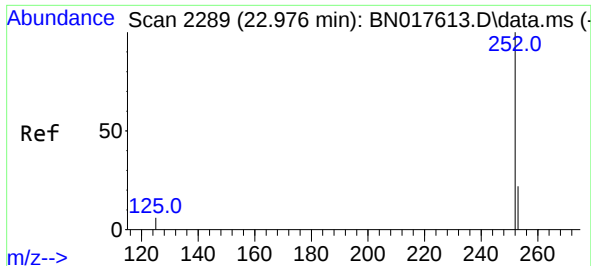


#37
Benzo(b)fluoranthene
Concen: 0.94 ng m
RT: 22.890 min Scan# 2264
Delta R.T. 0.004 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03



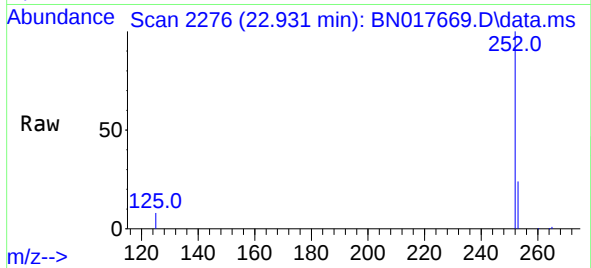
Tgt Ion:252 Resp: 390615
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 7.7 7.8 11.8





#38
Benzo(k)fluoranthene
Concen: 0.33 ng m
RT: 22.931 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

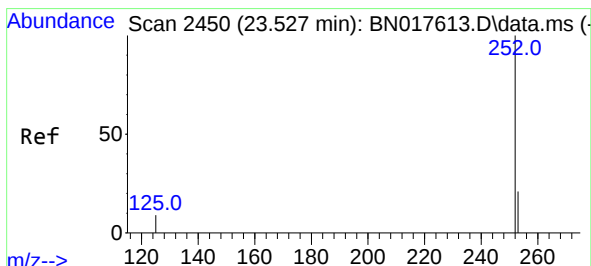
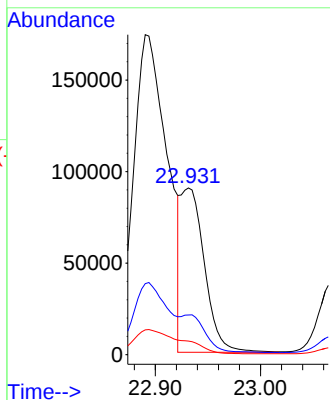
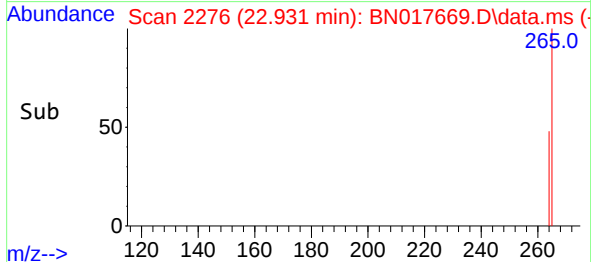
Instrument :
BNA_N
ClientSampleId :
T-5G



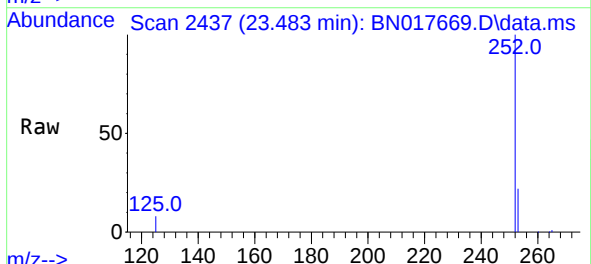
Tgt Ion:252 Resp: 14097
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 8.1 8.2 12.2

Manual Integrations
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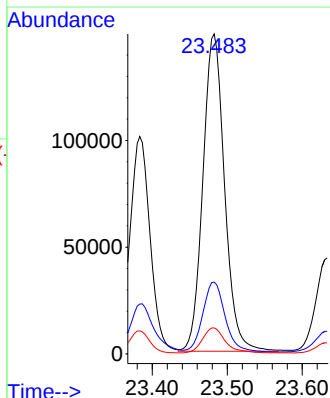
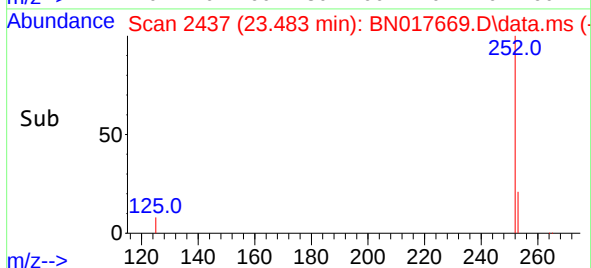
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

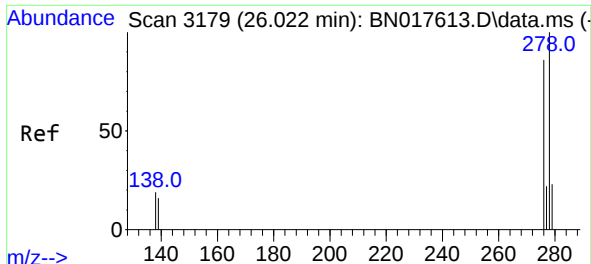


#39
Benzo(a)pyrene
Concen: 0.80 ng m
RT: 23.483 min Scan# 2437
Delta R.T. 0.004 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03



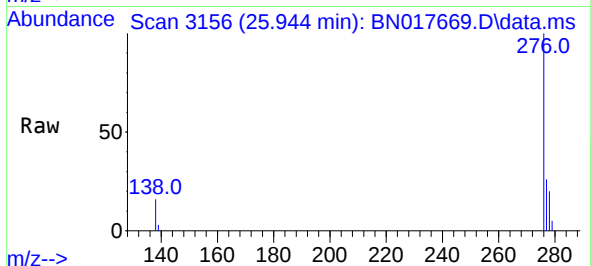
Tgt Ion:252 Resp: 298655
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 8.1 9.2 13.8





#40
Dibenzo(a,h)anthracene
Concen: 0.10 ng
RT: 25.944 min Scan# 3179
Delta R.T. -0.010 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03

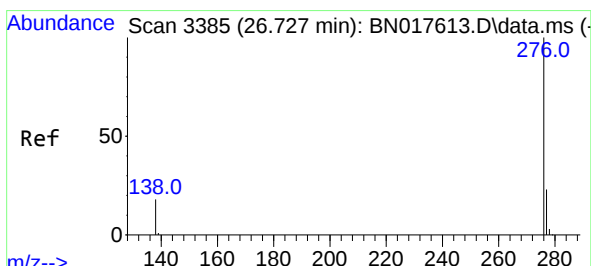
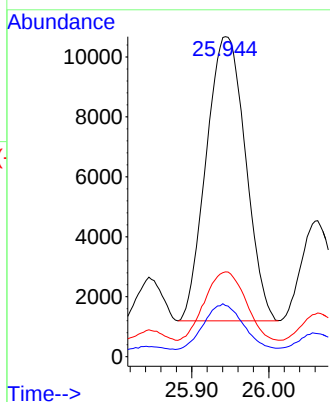
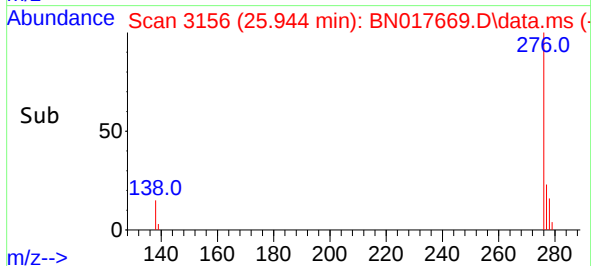
Instrument :
BNA_N
ClientSampleId :
T-5G



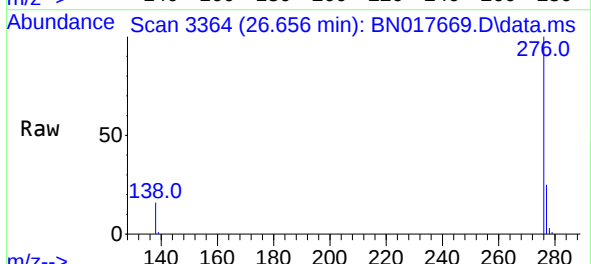
Tgt Ion: 278 Resp: 3358
Ion Ratio Lower Upper
278 100
139 16.0 13.0 19.6
279 26.5 19.2 28.8

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#41
Benzo(g,h,i)perylene
Concen: 0.51 ng
RT: 26.656 min Scan# 3364
Delta R.T. 0.000 min
Lab File: BN017669.D
Acq: 02 Dec 2021 04:03



Tgt Ion: 276 Resp: 175602
Ion Ratio Lower Upper
276 100
277 24.9 19.0 28.4
138 16.5 17.1 25.7#

