

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017656.D
 Acq On : 01 Dec 2021 18:27
 Operator : CG/JU
 Sample : M4862-12DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-6ADL

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 18:55:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 01 18:24:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	21285	0.400	ng	-0.04
7) Naphthalene-d8	10.522	136	90643	0.400	ng	#-0.03
13) Acenaphthene-d10	14.359	164	57280	0.400	ng	-0.03
19) Phenanthrene-d10	17.104	188	123497	0.400	ng	-0.01
29) Chrysene-d12	21.292	240	121584	0.400	ng	#-0.01
35) Perylene-d12	23.588	264	137491	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.357	112	6514	0.135	ng	-0.02
5) Phenol-d6	6.915	99	7606	0.149	ng	-0.03
8) Nitrobenzene-d5	8.874	82	6078	0.158	ng	-0.04
11) 2-Methylnaphthalene-d10	12.111	152	21489	0.136	ng	-0.03
14) 2,4,6-Tribromophenol	15.856	330	1384	0.163	ng	-0.01
15) 2-Fluorobiphenyl	12.989	172	28231	0.127	ng	-0.03
27) Fluoranthene-d10	19.134	212	55224	0.143	ng	-0.02
31) Terphenyl-d14	19.739	244	39186	0.147	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.560	128	11221	0.049	ng	96
16) Acenaphthylene	14.080	152	17217	0.077	ng	98
17) Acenaphthene	14.422	154	15027	0.097	ng	99
18) Fluorene	15.412	166	22057	0.118	ng	97
25) Phenanthrene	17.140	178	519606	1.534	ng	100
26) Anthracene	17.226	178	94700	0.325	ng	# 94
28) Fluoranthene	19.163	202	1037209	2.706	ng	# 97
30) Pyrene	19.526	202	860717	2.193	ng	# 94
32) Benzo(a)anthracene	21.271	228	494289	1.338	ng	97
33) Chrysene	21.324	228	478628	1.191	ng	97
34) Bis(2-ethylhexyl)phtha...	21.218	149	153979	1.758	ng	97
36) Indeno(1,2,3-cd)pyrene	25.943	276	347108	0.777	ng	# 91
37) Benzo(b)fluoranthene	22.894	252	672794	1.476	ng	# 95
38) Benzo(k)fluoranthene	22.938	252	251893m	0.539	ng	
39) Benzo(a)pyrene	23.486	252	461664	1.131	ng	96
40) Dibenzo(a,h)anthracene	25.950	278	81480	0.223	ng	# 83
41) Benzo(g,h,i)perylene	26.666	276	349371	0.931	ng	94

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

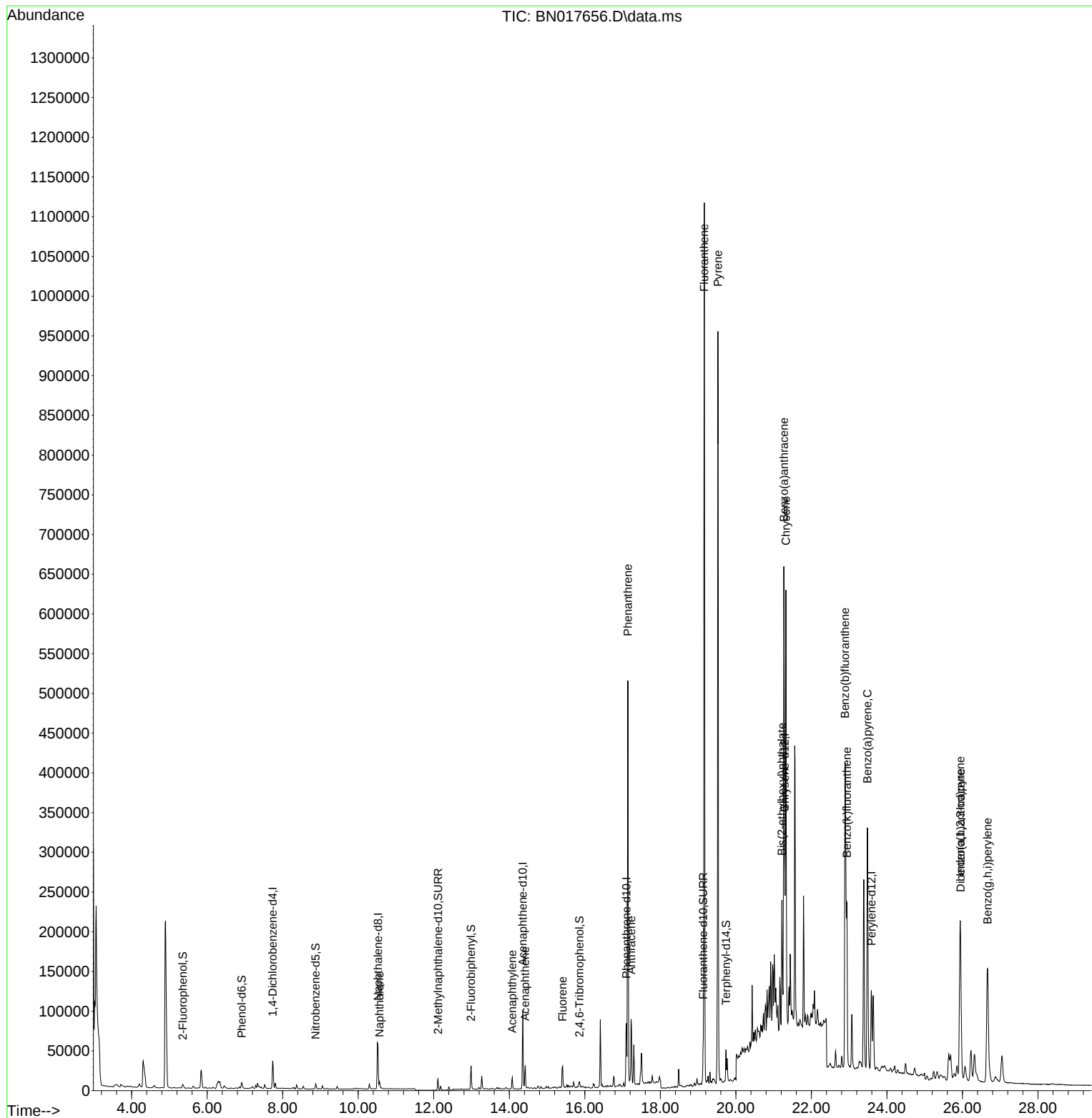
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
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 ALS Vial : 7 Sample Multiplier: 1

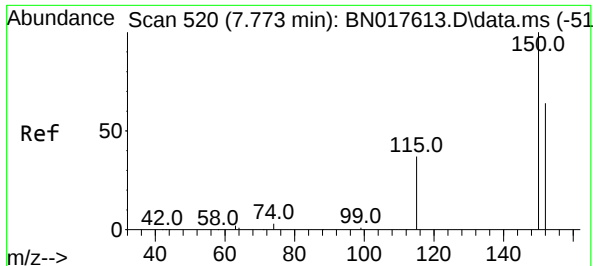
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 Supervised By :mohammad ahmed 12/05/2021

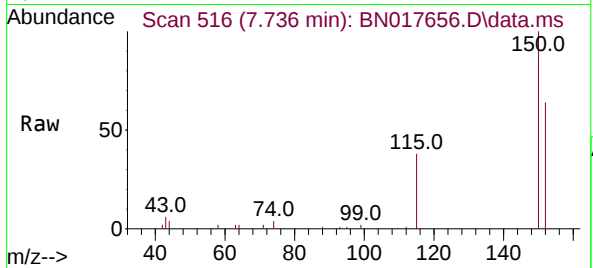
Quant Time: Dec 01 18:55:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 01 18:24:35 2021
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#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 516
Delta R.T. -0.037 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

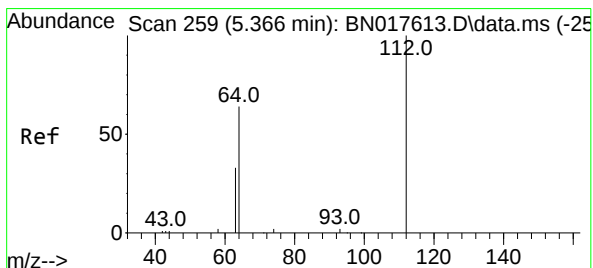
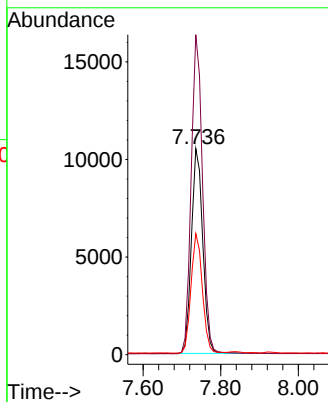
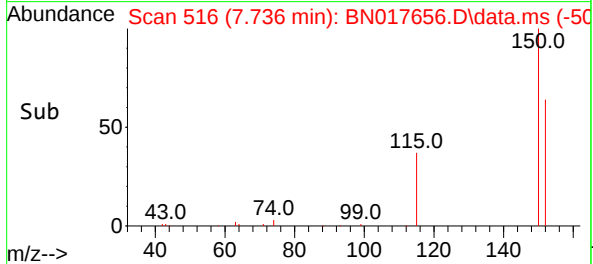
Instrument :
BNA_N
ClientSampleId :
CS-6ADL



Tgt Ion:152 Resp: 2128
Ion Ratio Lower Upper
152 100
150 155.3 123.0 184.4
115 58.8 45.6 68.4

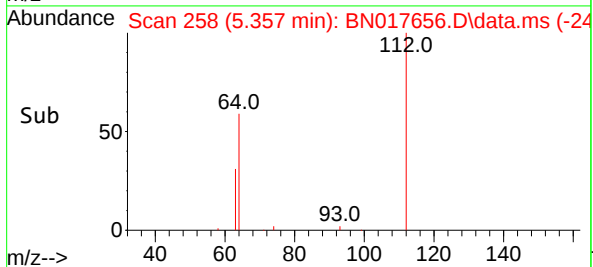
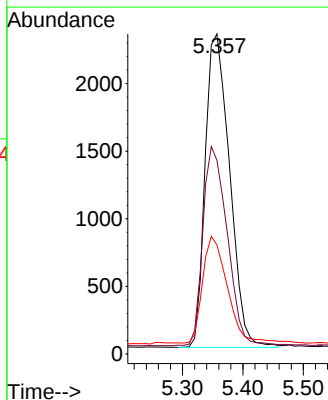
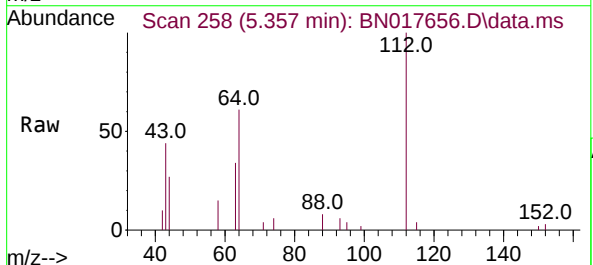
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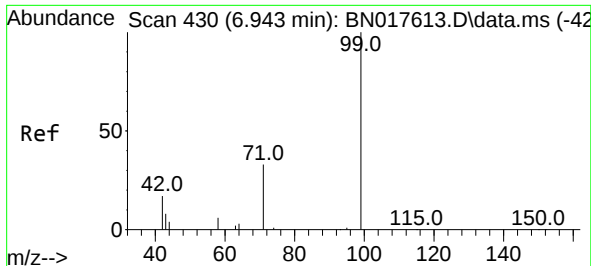
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#4
2-Fluorophenol
Concen: 0.135 ng
RT: 5.357 min Scan# 258
Delta R.T. -0.018 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

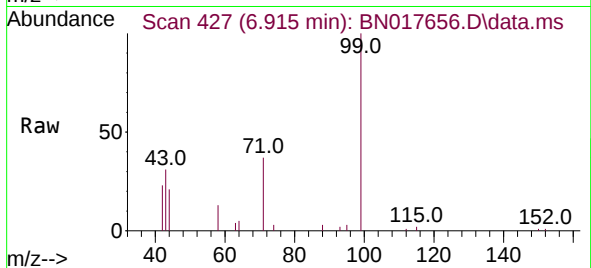
Tgt Ion:112 Resp: 6514
Ion Ratio Lower Upper
112 100
64 63.2 47.6 71.4
63 34.3 24.6 37.0





#5
Phenol-d6
Concen: 0.149 ng
RT: 6.915 min Scan# 41
Delta R.T. -0.028 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

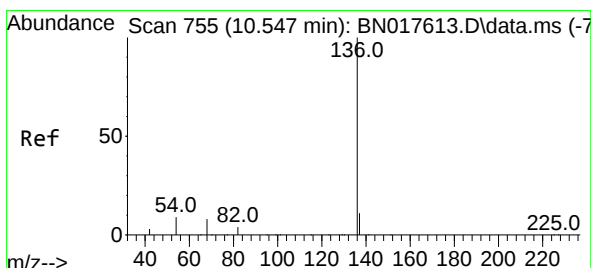
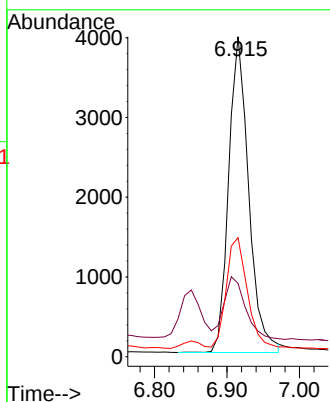
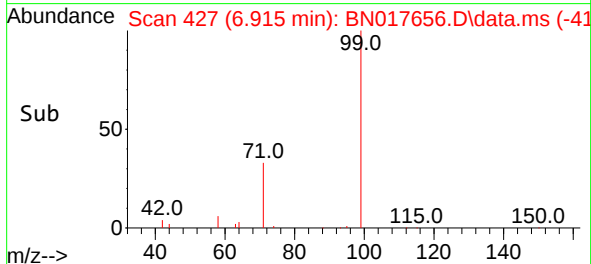
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 99 Resp: 7600
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 35.7 24.8 37.2

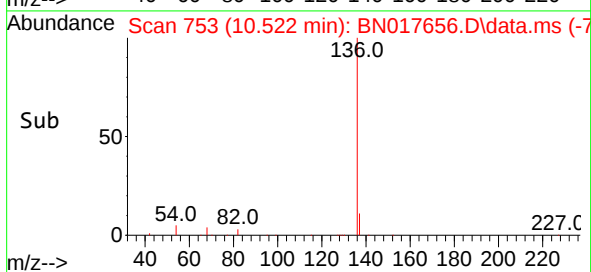
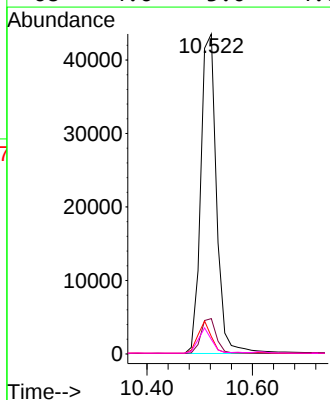
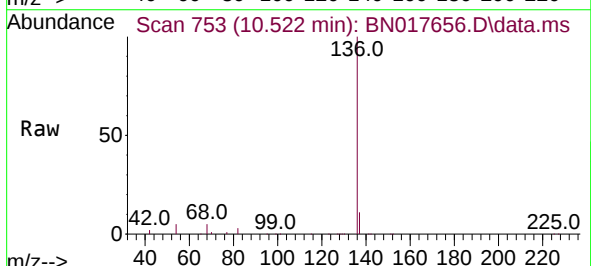
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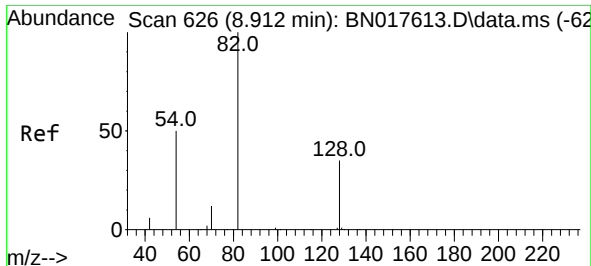
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 753
Delta R.T. -0.025 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

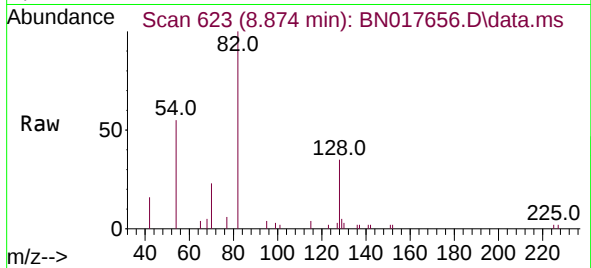
Tgt Ion:136 Resp: 90643
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 5.4 4.0 6.0
68 4.6 3.0 4.6#





#8
Nitrobenzene-d5
Concen: 0.158 ng
RT: 8.874 min Scan# 61
Delta R.T. -0.038 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

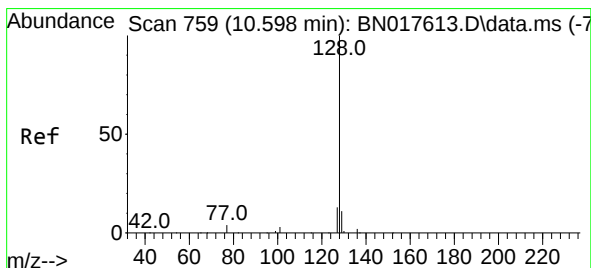
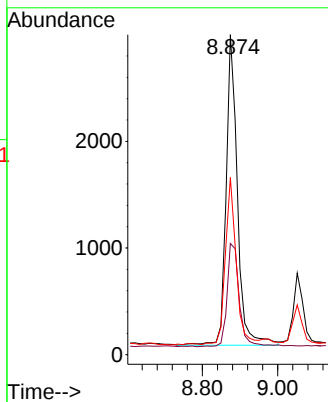
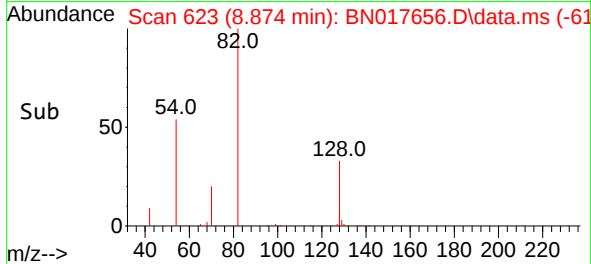
Instrument :
BNA_N
ClientSampleId :
CS-6ADL



Tgt Ion: 82 Resp: 6078
Ion Ratio Lower Upper
82 100
128 34.8 27.7 41.5
54 55.3 49.2 73.8

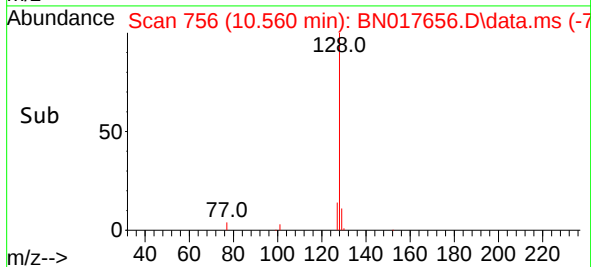
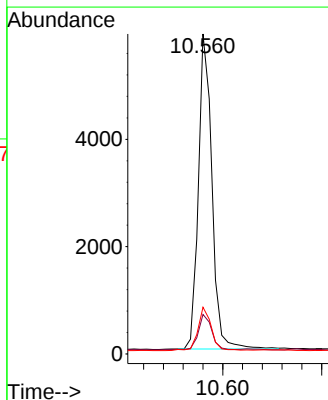
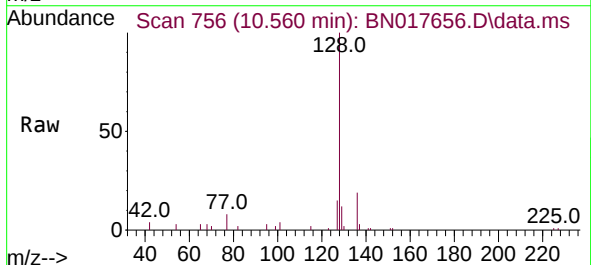
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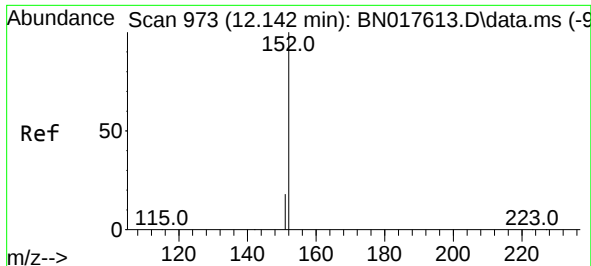
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#9
Naphthalene
Concen: 0.049 ng
RT: 10.560 min Scan# 756
Delta R.T. -0.038 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion:128 Resp: 11221
Ion Ratio Lower Upper
128 100
129 12.4 8.8 13.2
127 14.6 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.136 ng

RT: 12.111 min Scan# 90

Delta R.T. -0.027 min

Lab File: BN017656.D

Acq: 01 Dec 2021 18:27

Instrument :

BNA_N

ClientSampleId :

CS-6ADL

Tgt Ion:152 Resp: 21489

Ion Ratio Lower Upper

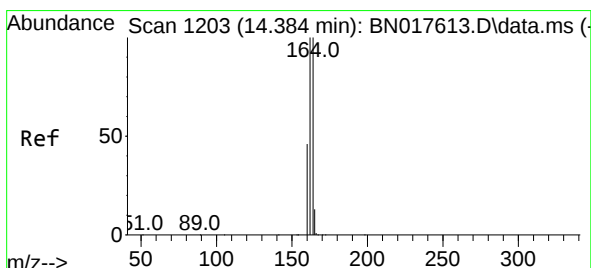
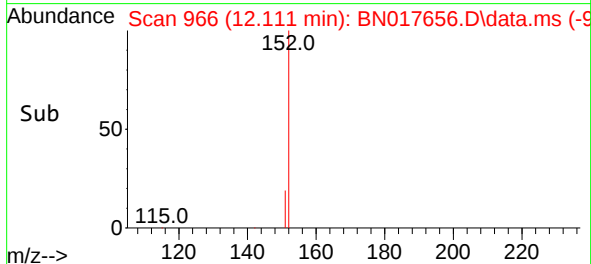
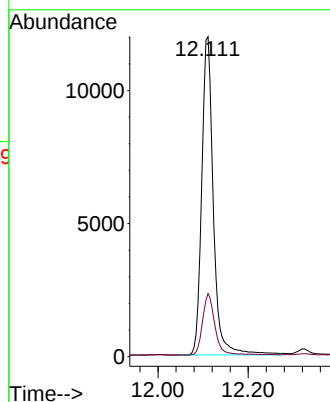
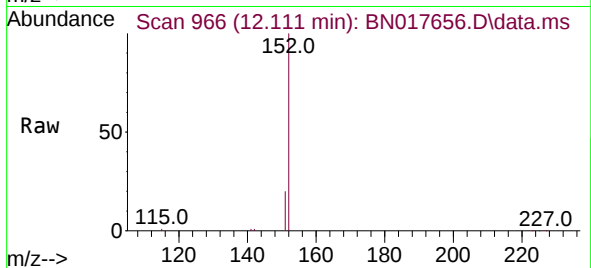
152 100

151 20.2 16.2 24.4

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#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.359 min Scan# 1201

Delta R.T. -0.025 min

Lab File: BN017656.D

Acq: 01 Dec 2021 18:27

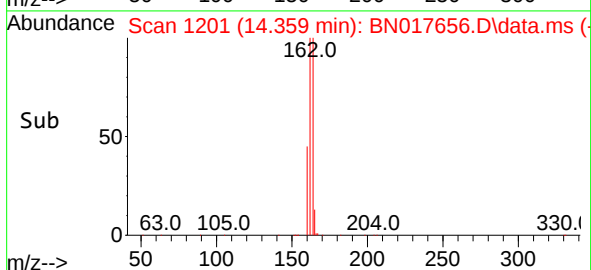
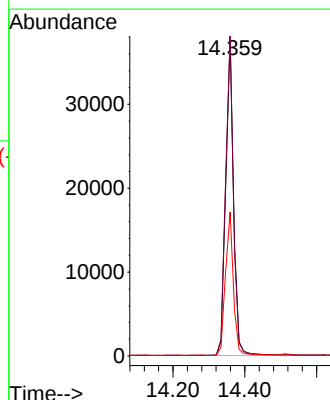
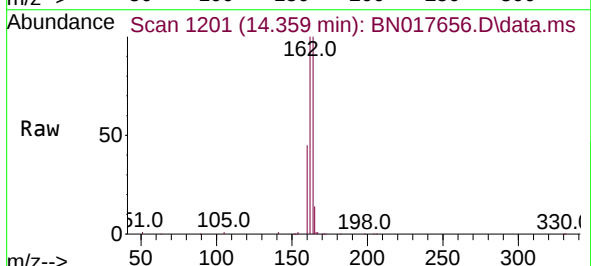
Tgt Ion:164 Resp: 57280

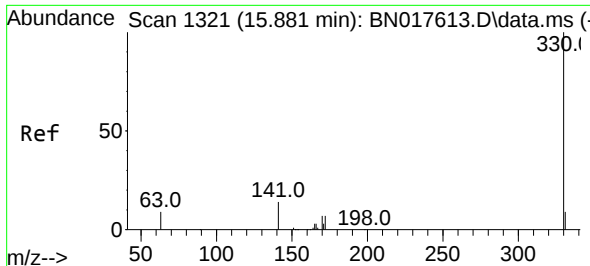
Ion Ratio Lower Upper

164 100

162 100.3 81.4 122.2

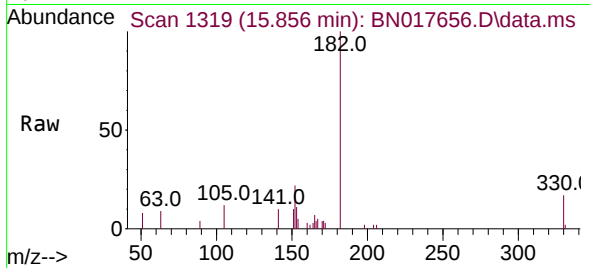
160 45.1 36.8 55.2





#14
2,4,6-Tribromophenol
Concen: 0.163 ng
RT: 15.856 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

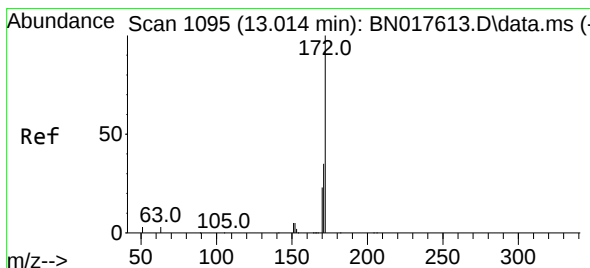
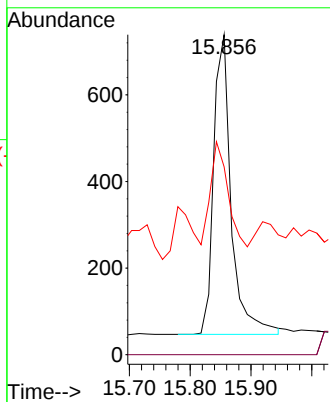
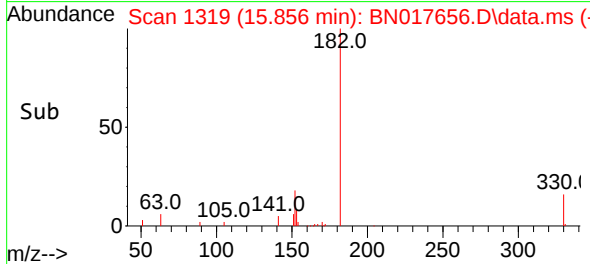
Instrument :
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Tgt Ion: 330 Resp: 1384
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.4 28.9 43.3

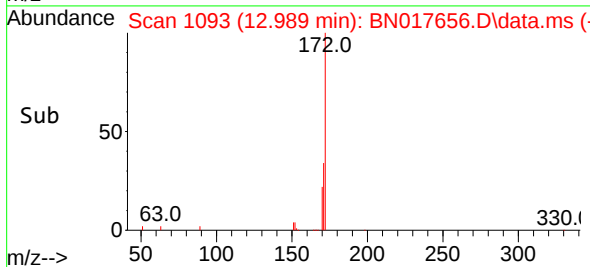
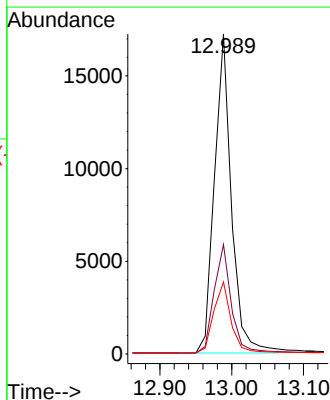
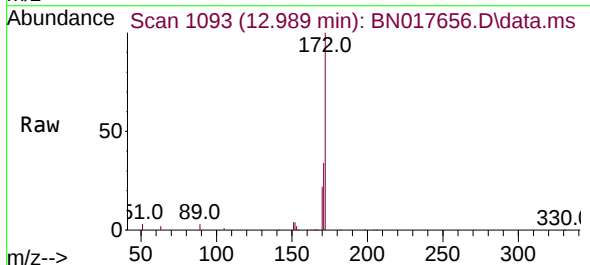
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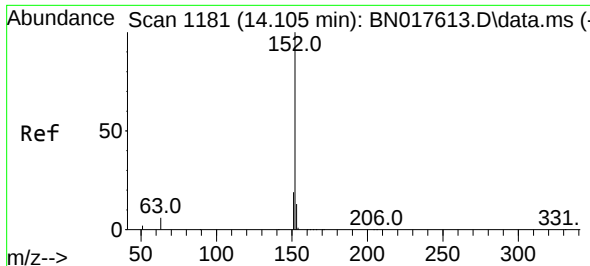
Reviewed By : Jagrut Upadhyay 12/02/2021
Supervised By : mohammad ahmed 12/05/2021



#15
2-Fluorobiphenyl
Concen: 0.127 ng
RT: 12.989 min Scan# 1093
Delta R.T. -0.025 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

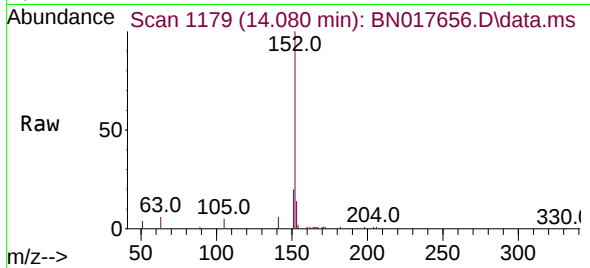
Tgt Ion: 172 Resp: 28231
Ion Ratio Lower Upper
172 100
171 34.2 28.7 43.1
170 22.5 19.4 29.2





#16
Acenaphthylene
Concen: 0.077 ng
RT: 14.080 min Scan# 1181
Delta R.T. -0.025 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

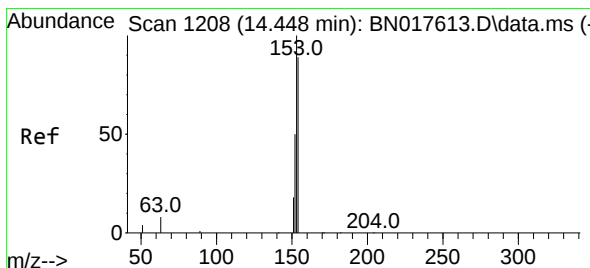
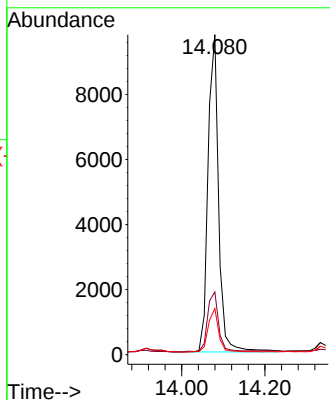
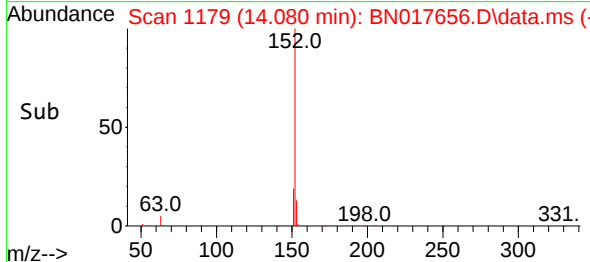
Instrument :
BNA_N
ClientSampleId :
CS-6ADL



Tgt Ion:152 Resp: 1721
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 14.1 10.4 15.6

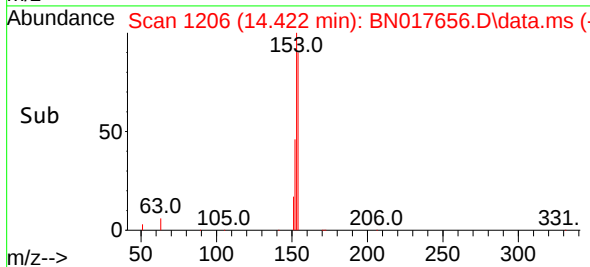
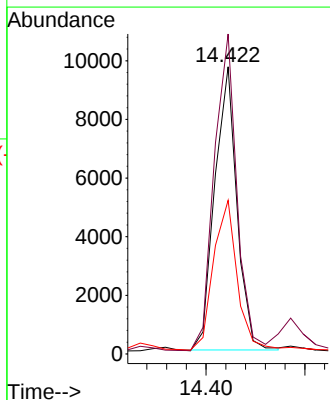
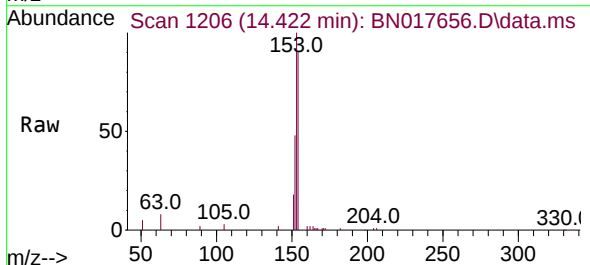
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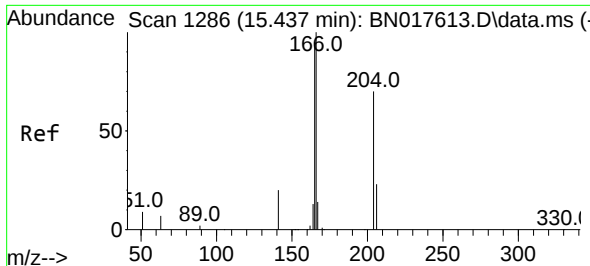
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#17
Acenaphthene
Concen: 0.097 ng
RT: 14.422 min Scan# 1206
Delta R.T. -0.025 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

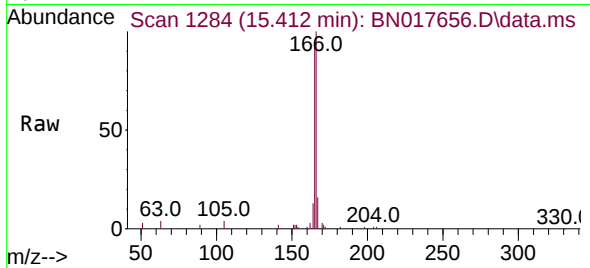
Tgt Ion:154 Resp: 15027
Ion Ratio Lower Upper
154 100
153 114.2 91.2 136.8
152 57.0 44.3 66.5





#18
Fluorene
Concen: 0.118 ng
RT: 15.412 min Scan# 1284
Delta R.T. -0.013 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

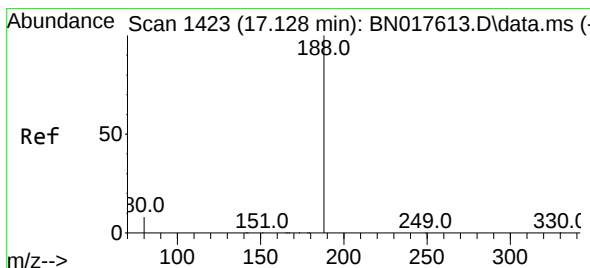
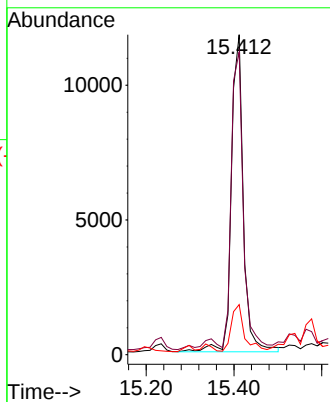
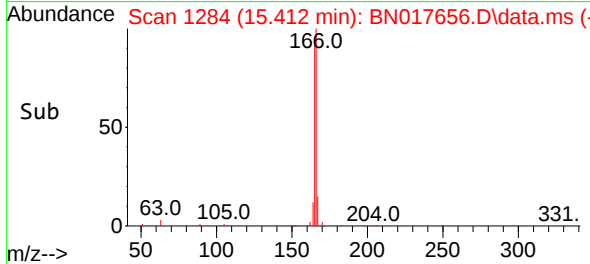
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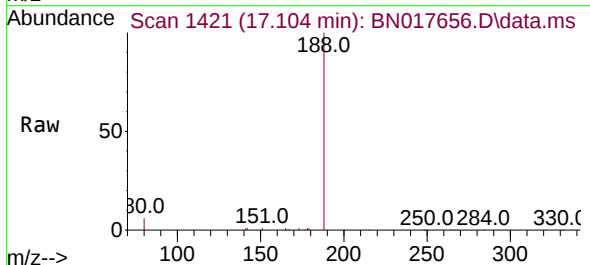
Tgt Ion:166 Resp: 2205
Ion Ratio Lower Upper
166 100
165 99.8 77.9 116.9
167 16.1 10.9 16.3

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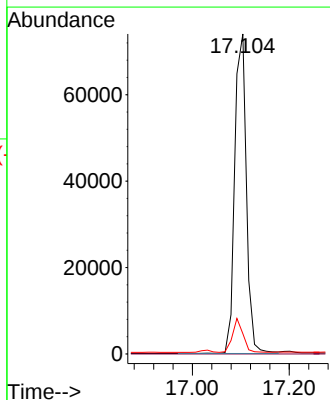
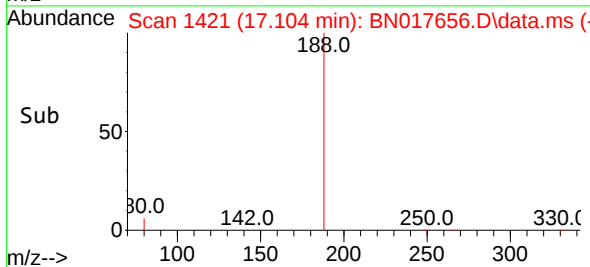
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

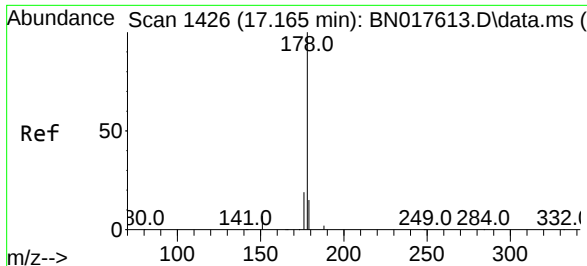


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27



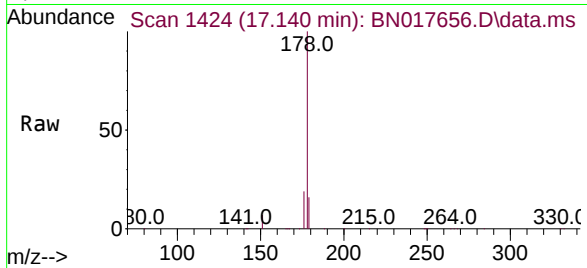
Tgt Ion:188 Resp: 123497
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.4 6.1 9.1





#25
Phenanthrene
Concen: 1.534 ng
RT: 17.140 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

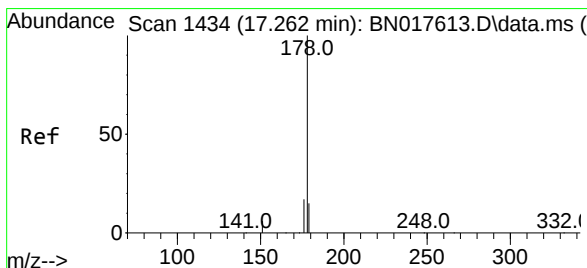
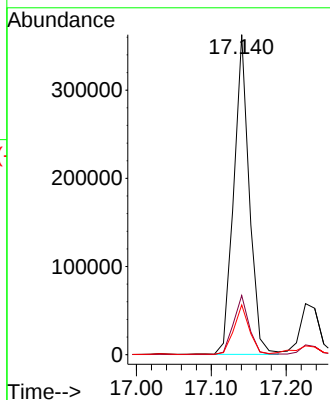
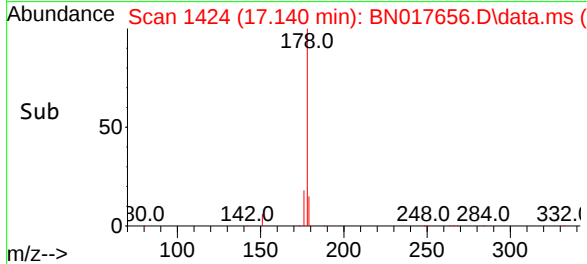
Instrument :
BNA_N
ClientSampleId :
CS-6ADL



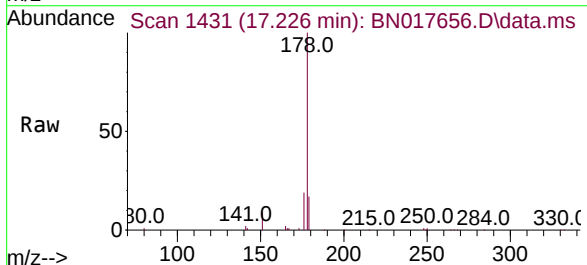
Tgt Ion:178 Resp: 519600
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.5 12.3 18.5

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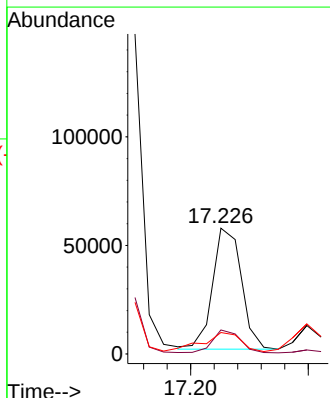
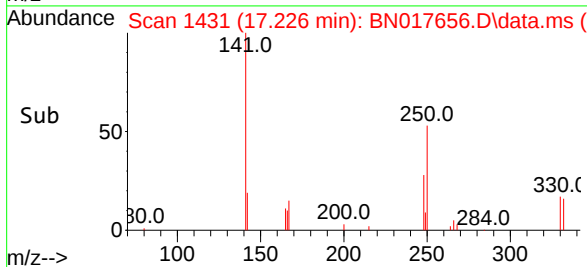
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

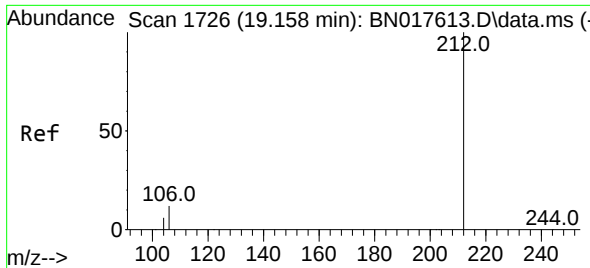


#26
Anthracene
Concen: 0.325 ng
RT: 17.226 min Scan# 1431
Delta R.T. -0.024 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27



Tgt Ion:178 Resp: 94700
Ion Ratio Lower Upper
178 100
176 18.1 14.6 22.0
179 20.7 12.2 18.4#





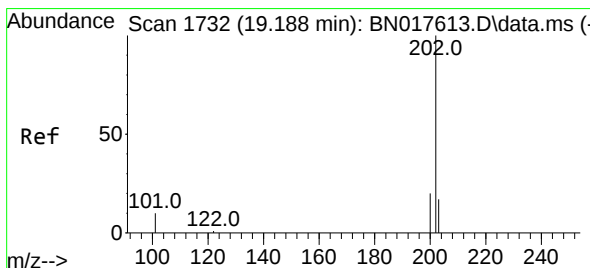
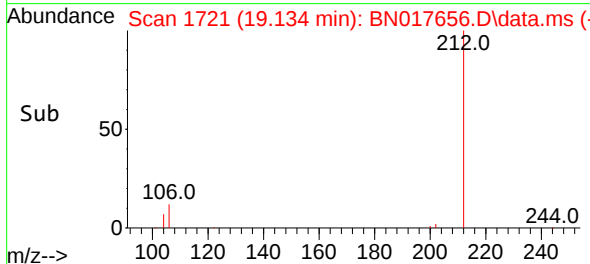
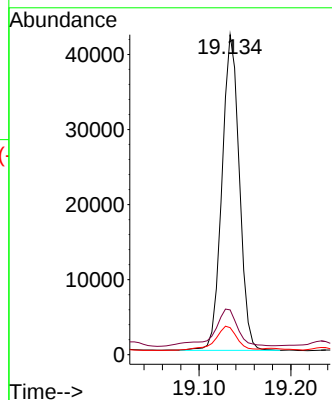
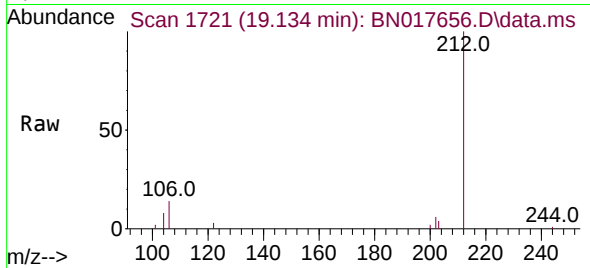
#27
Fluoranthene-d10
Concen: 0.143 ng
RT: 19.134 min Scan# 1721
Delta R.T. -0.020 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Instrument :
BNA_N
ClientSampleId :
CS-6ADL

Tgt Ion:212 Resp: 55224
Ion Ratio Lower Upper
212 100
106 16.1 10.5 15.7
104 9.8 5.8 8.6

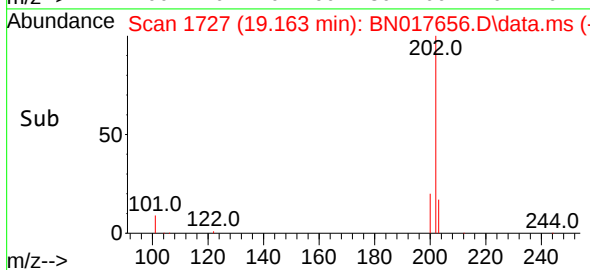
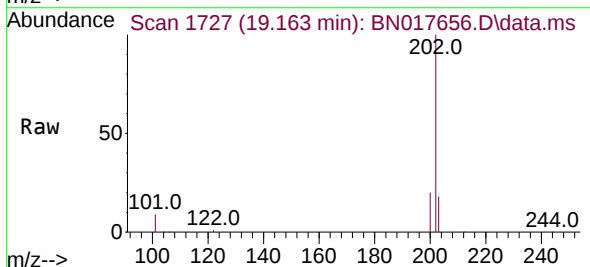
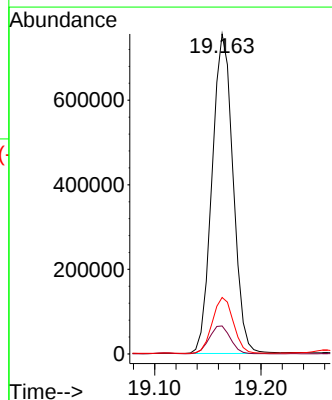
Manual Integrations
APPROVED

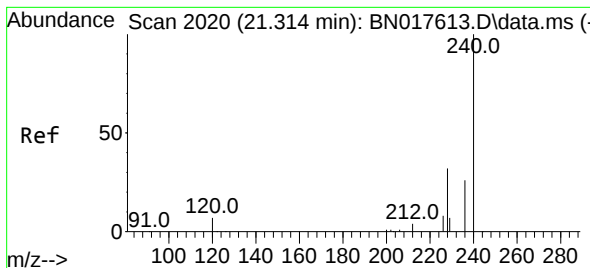
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#28
Fluoranthene
Concen: 2.706 ng
RT: 19.163 min Scan# 1727
Delta R.T. -0.020 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Tgt Ion:202 Resp: 1037209
Ion Ratio Lower Upper
202 100
101 8.8 8.9 13.3
203 17.5 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.292 min Scan# 20

Delta R.T. -0.011 min

Lab File: BN017656.D

Acq: 01 Dec 2021 18:27

Instrument :

BNA_N

ClientSampleId :

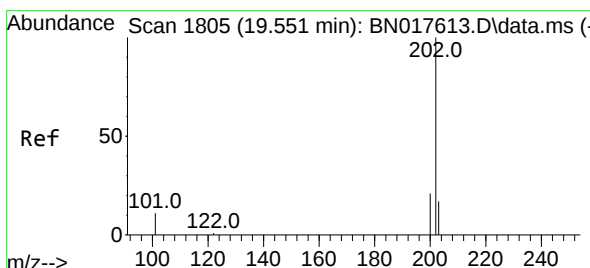
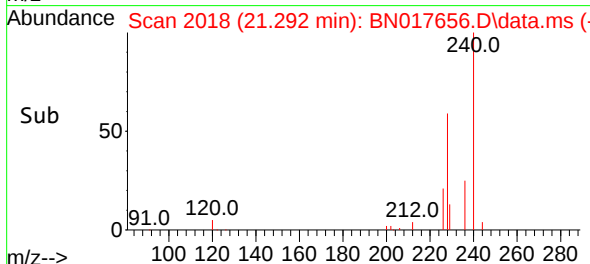
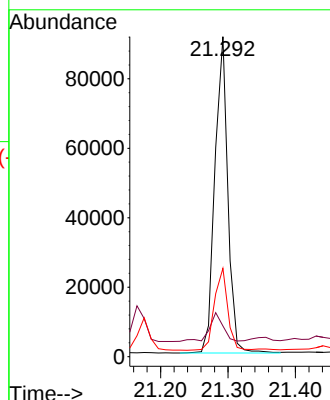
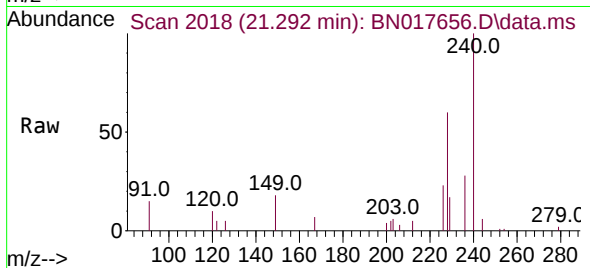
CS-6ADL

Tgt Ion:240 Resp: 121584
 Ion Ratio Lower Upper
 240 100
 120 9.6 4.2 6.2
 236 27.6 20.0 30.0

Manual Integrations

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



#30

Pyrene

Concen: 2.193 ng

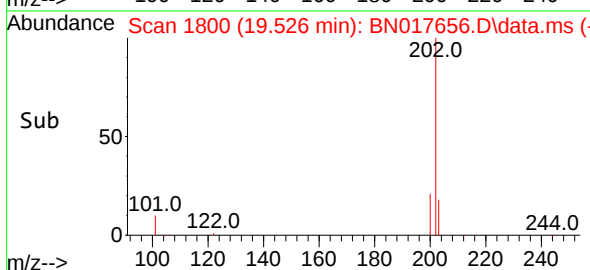
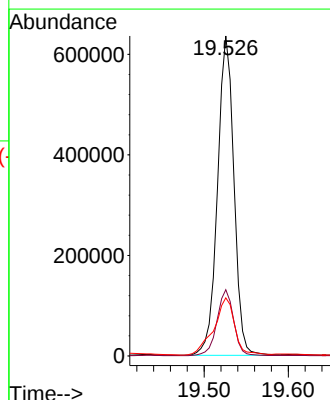
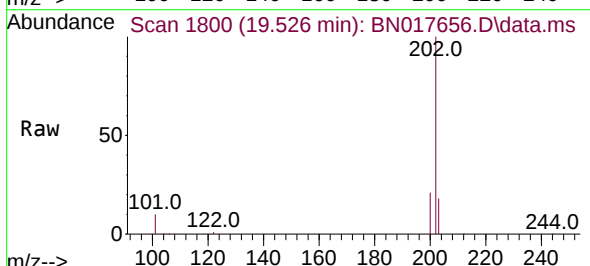
RT: 19.526 min Scan# 1800

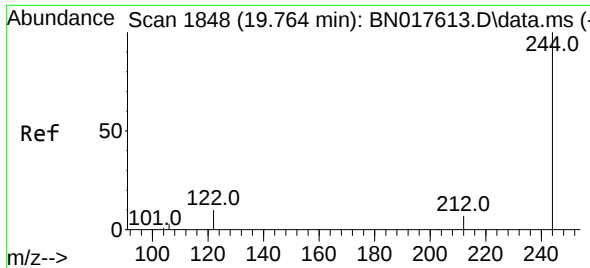
Delta R.T. -0.020 min

Lab File: BN017656.D

Acq: 01 Dec 2021 18:27

Tgt Ion:202 Resp: 860717
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.5 24.7
 203 22.5 14.0 21.0





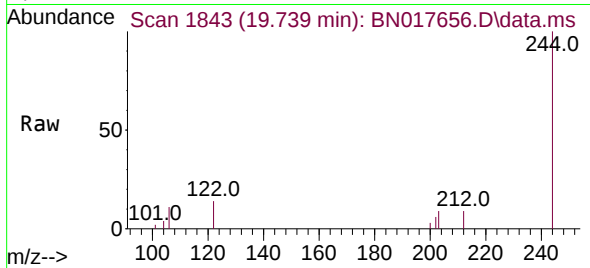
#31
 Terphenyl-d14
 Concen: 0.147 ng
 RT: 19.739 min Scan# 11
 Delta R.T. -0.015 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27

Instrument :

BNA_N

ClientSampleId :

CS-6ADL

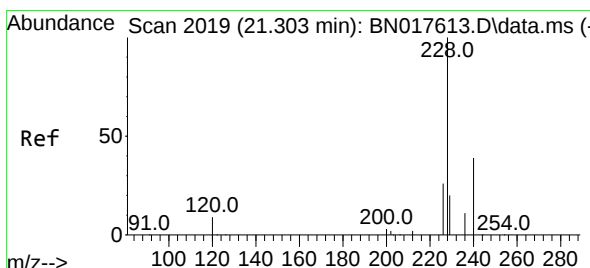
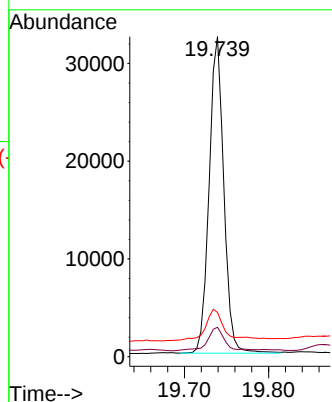


Tgt Ion:244 Resp: 39180
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.7 8.5
 122 13.9 8.6 13.0

Manual Integrations

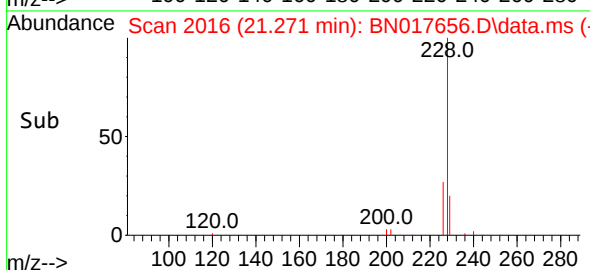
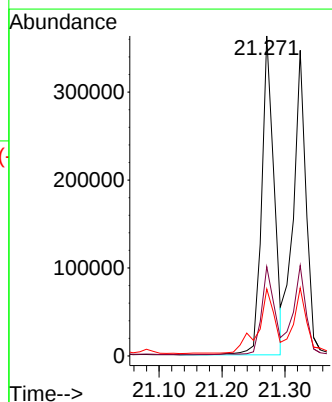
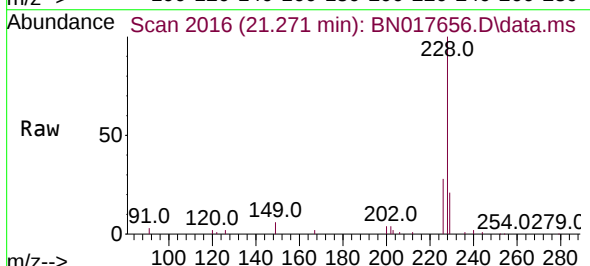
APPROVED

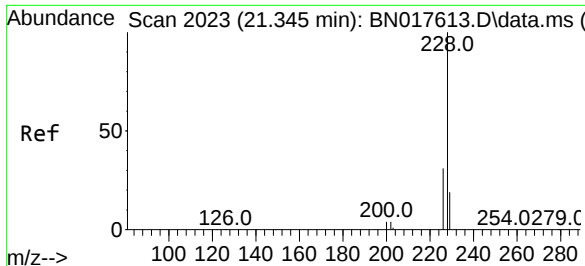
Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021



#32
 Benzo(a)anthracene
 Concen: 1.338 ng
 RT: 21.271 min Scan# 2016
 Delta R.T. -0.021 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27

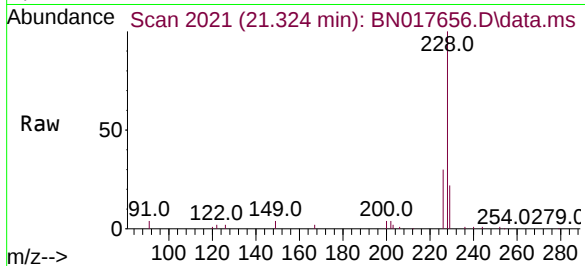
Tgt Ion:228 Resp: 494289
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.3 31.9
 229 20.9 15.7 23.5





#33
Chrysene
Concen: 1.191 ng
RT: 21.324 min Scan# 2011
Delta R.T. -0.011 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

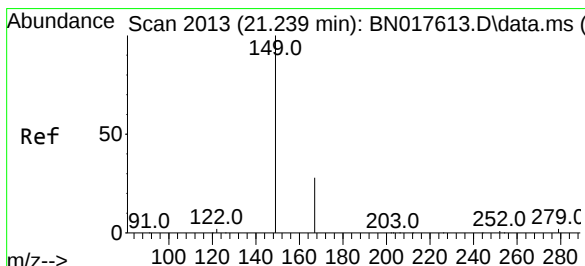
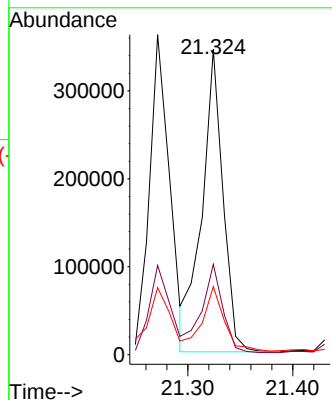
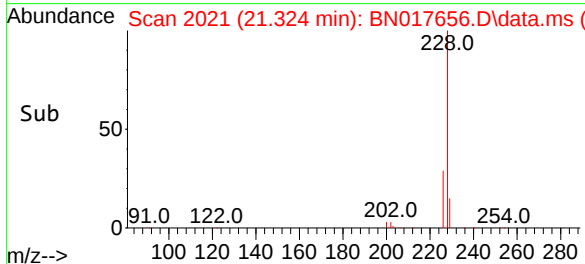
Instrument :
BNA_N
ClientSampleId :
CS-6ADL



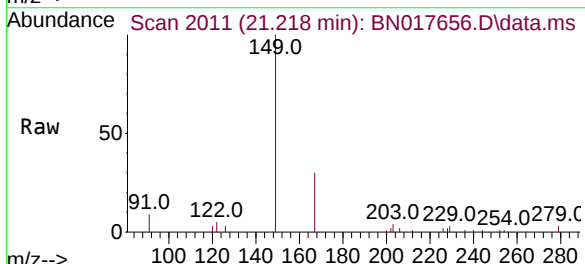
Tgt Ion:228 Resp: 478628
Ion Ratio Lower Upper
228 100
226 29.6 23.3 34.9
229 22.3 15.6 23.4

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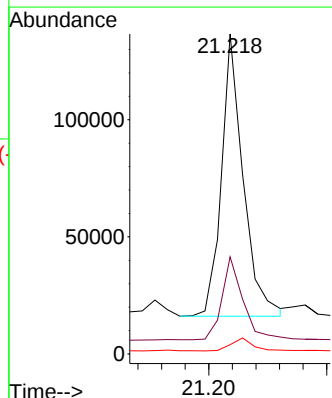
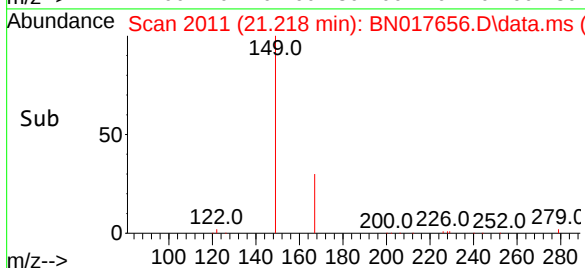
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

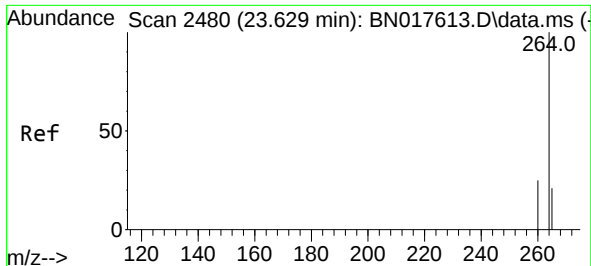


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.758 ng
RT: 21.218 min Scan# 2011
Delta R.T. -0.011 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27



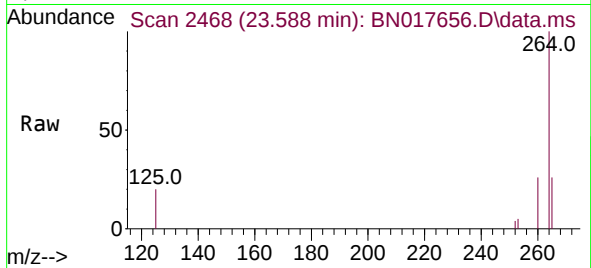
Tgt Ion:149 Resp: 153979
Ion Ratio Lower Upper
149 100
167 29.0 21.8 32.6
279 4.6 3.4 5.0





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.588 min Scan# 2480
 Delta R.T. -0.021 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27

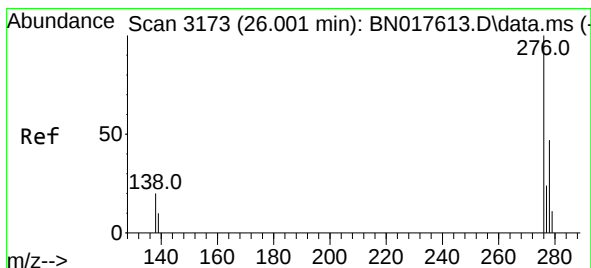
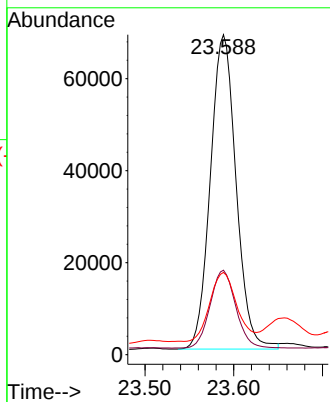
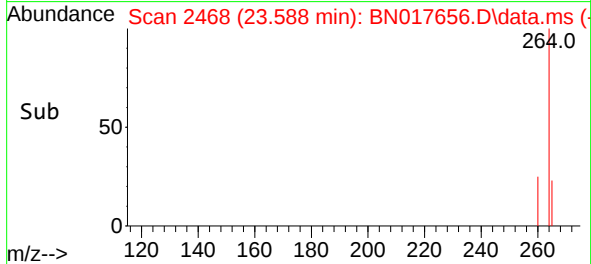
Instrument :
 BNA_N
 ClientSampleId :
 CS-6ADL



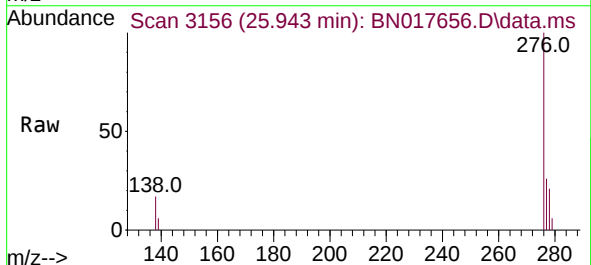
Tgt Ion:264 Resp: 137491
 Ion Ratio Lower Upper
 264 100
 260 26.4 19.4 29.2
 265 25.7 18.6 28.0

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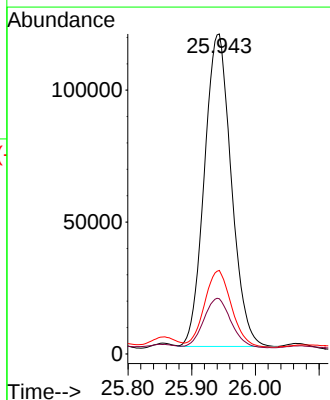
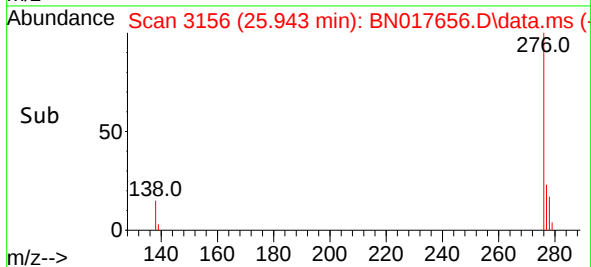
Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021

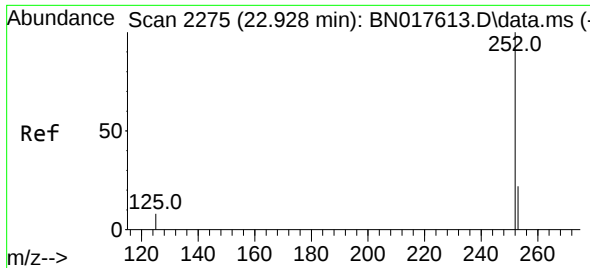


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.777 ng
 RT: 25.943 min Scan# 3156
 Delta R.T. -0.034 min
 Lab File: BN017656.D
 Acq: 01 Dec 2021 18:27



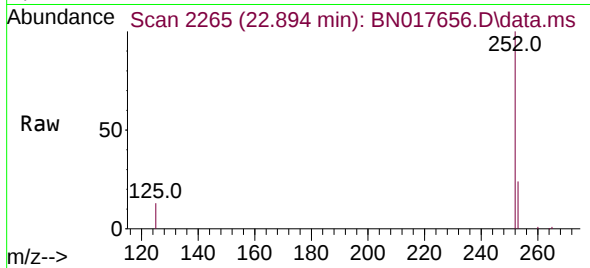
Tgt Ion:276 Resp: 347108
 Ion Ratio Lower Upper
 276 100
 138 16.1 19.7 29.5#
 277 24.7 20.0 30.0





#37
Benzo(b)fluoranthene
Concen: 1.476 ng
RT: 22.894 min Scan# 21
Delta R.T. -0.021 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

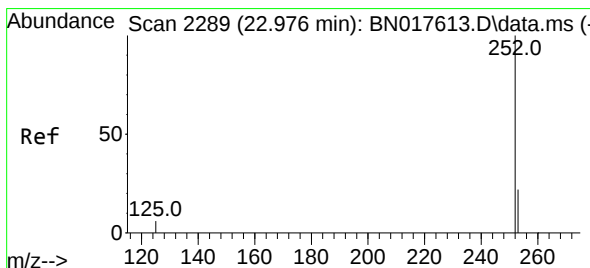
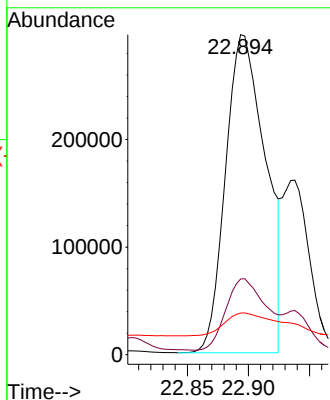
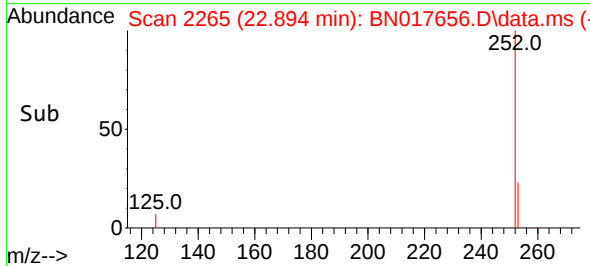
Instrument :
BNA_N
ClientSampleId :
CS-6ADL



Tgt Ion:252 Resp: 672794
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 13.0 7.8 11.8

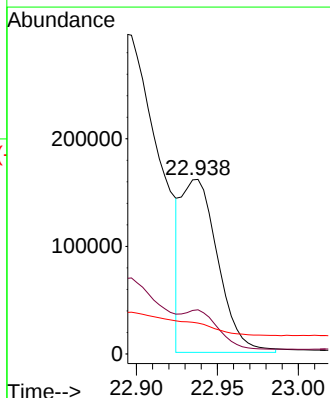
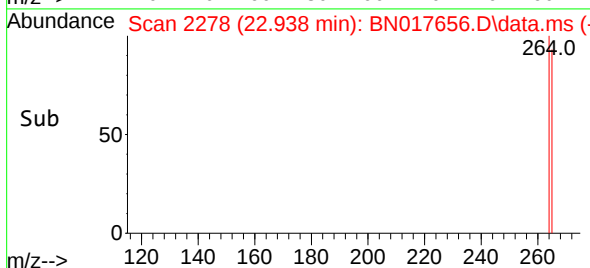
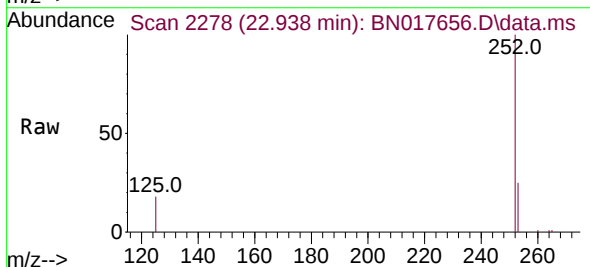
Manual Integrations
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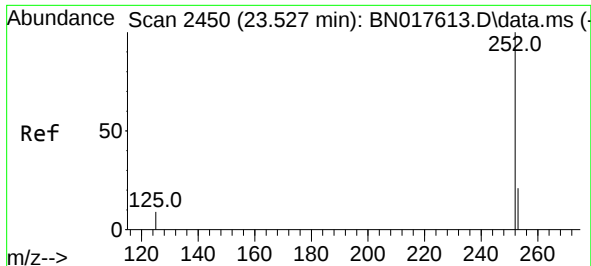
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#38
Benzo(k)fluoranthene
Concen: 0.539 ng m
RT: 22.938 min Scan# 2278
Delta R.T. -0.021 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

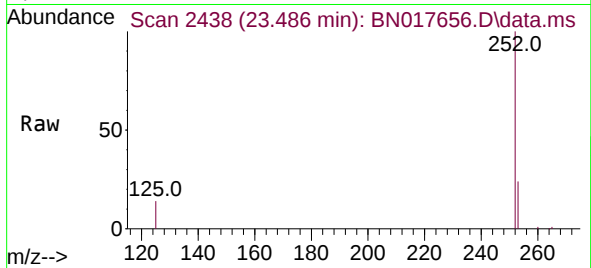
Tgt Ion:252 Resp: 251893
Ion Ratio Lower Upper
252 100
253 25.3 17.7 26.5
125 17.7 8.2 12.2





#39
Benzo(a)pyrene
Concen: 1.131 ng
RT: 23.486 min Scan# 2438
Delta R.T. -0.021 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

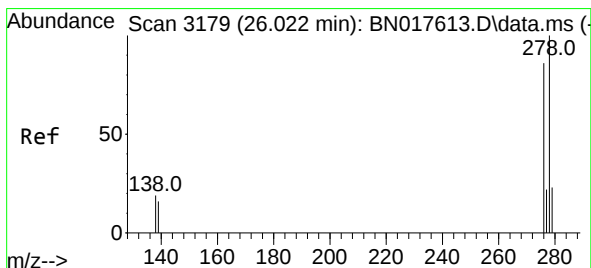
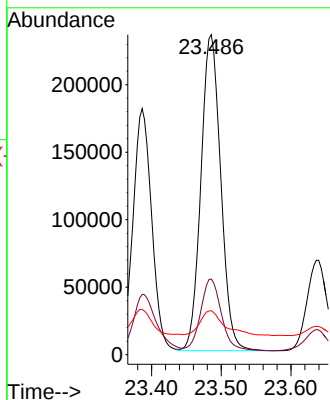
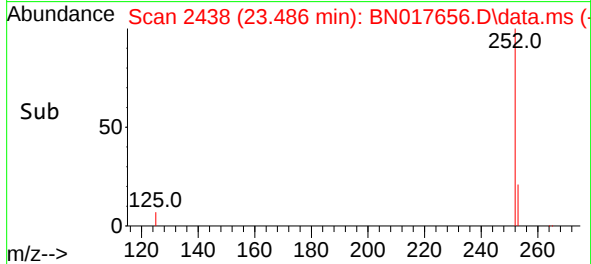
Instrument :
BNA_N
ClientSampleId :
CS-6ADL



Tgt Ion:252 Resp: 461664
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 13.7 9.2 13.8

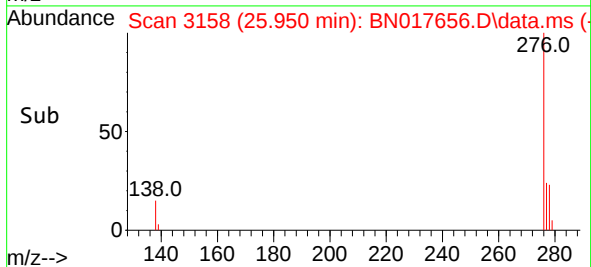
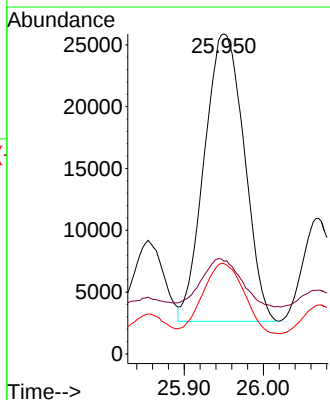
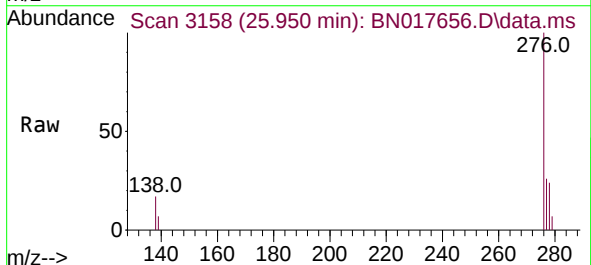
Manual Integrations
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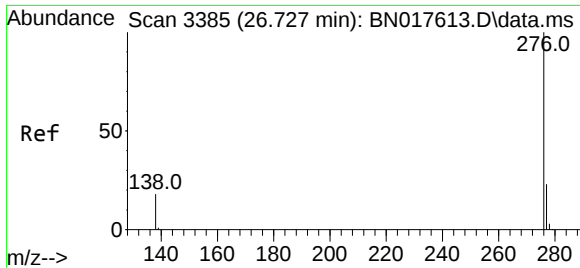
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#40
Dibenzo(a,h)anthracene
Concen: 0.223 ng
RT: 25.950 min Scan# 3158
Delta R.T. -0.048 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

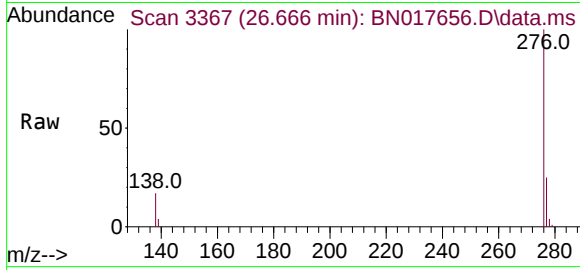
Tgt Ion:278 Resp: 81480
Ion Ratio Lower Upper
278 100
139 29.0 13.0 19.6#
279 28.2 19.2 28.8





#41
Benzo(g,h,i)perylene
Concen: 0.931 ng
RT: 26.666 min Scan# 31
Delta R.T. -0.031 min
Lab File: BN017656.D
Acq: 01 Dec 2021 18:27

Instrument :
BNA_N
ClientSampleId :
CS-6ADL



Tgt Ion:276 Resp: 34937
Ion Ratio Lower Upper
276 100
277 25.3 19.0 28.4
138 17.4 17.1 25.7

Manual Integrations
APPROVED

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

