

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017655.D
 Acq On : 01 Dec 2021 17:50
 Operator : CG/JU
 Sample : M4862-11DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-6BDL

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 18:24:45 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	20445	0.400	ng	-0.04
7) Naphthalene-d8	10.522	136	86015	0.400	ng	#-0.03
13) Acenaphthene-d10	14.359	164	53581	0.400	ng	-0.03
19) Phenanthrene-d10	17.104	188	112960	0.400	ng	-0.01
29) Chrysene-d12	21.292	240	115305	0.400	ng	#-0.01
35) Perylene-d12	23.588	264	130619	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	229	0.005	ng	-0.03
5) Phenol-d6	6.915	99	1214	0.025	ng	-0.03
8) Nitrobenzene-d5	8.874	82	4718	0.129	ng	-0.04
11) 2-Methylnaphthalene-d10	12.111	152	17315	0.115	ng	-0.03
14) 2,4,6-Tribromophenol	15.856	330	45	0.126	ng	-0.01
15) 2-Fluorobiphenyl	12.988	172	22957	0.110	ng	-0.03
27) Fluoranthene-d10	19.134	212	44923	0.127	ng	-0.02
31) Terphenyl-d14	19.739	244	31745	0.126	ng	-0.01
Target Compounds						
9) Naphthalene	10.560	128	11221	0.052	ng	97
16) Acenaphthylene	14.080	152	45173	0.216	ng	99
17) Acenaphthene	14.422	154	7981	0.055	ng	95
18) Fluorene	15.412	166	21279	0.121	ng	# 96
25) Phenanthrene	17.140	178	867135	2.799	ng	100
26) Anthracene	17.226	178	155954	0.586	ng	# 93
28) Fluoranthene	19.163	202	1284193	3.663	ng	97
30) Pyrene	19.526	202	991041	2.663	ng	97
32) Benzo(a)anthracene	21.271	228	528673	1.510	ng	96
33) Chrysene	21.324	228	561619	1.474	ng	98
34) Bis(2-ethylhexyl)phtha...	21.218	149	38121	0.459	ng	96
36) Indeno(1,2,3-cd)pyrene	25.940	276	331284	0.781	ng	# 91
37) Benzo(b)fluoranthene	22.893	252	671864	1.551	ng	98
38) Benzo(k)fluoranthene	22.935	252	243401m	0.548	ng	
39) Benzo(a)pyrene	23.486	252	407981	1.052	ng	98
40) Dibenzo(a,h)anthracene	25.950	278	81628	0.235	ng	# 92
41) Benzo(g,h,i)perylene	26.662	276	322915	0.906	ng	# 94

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

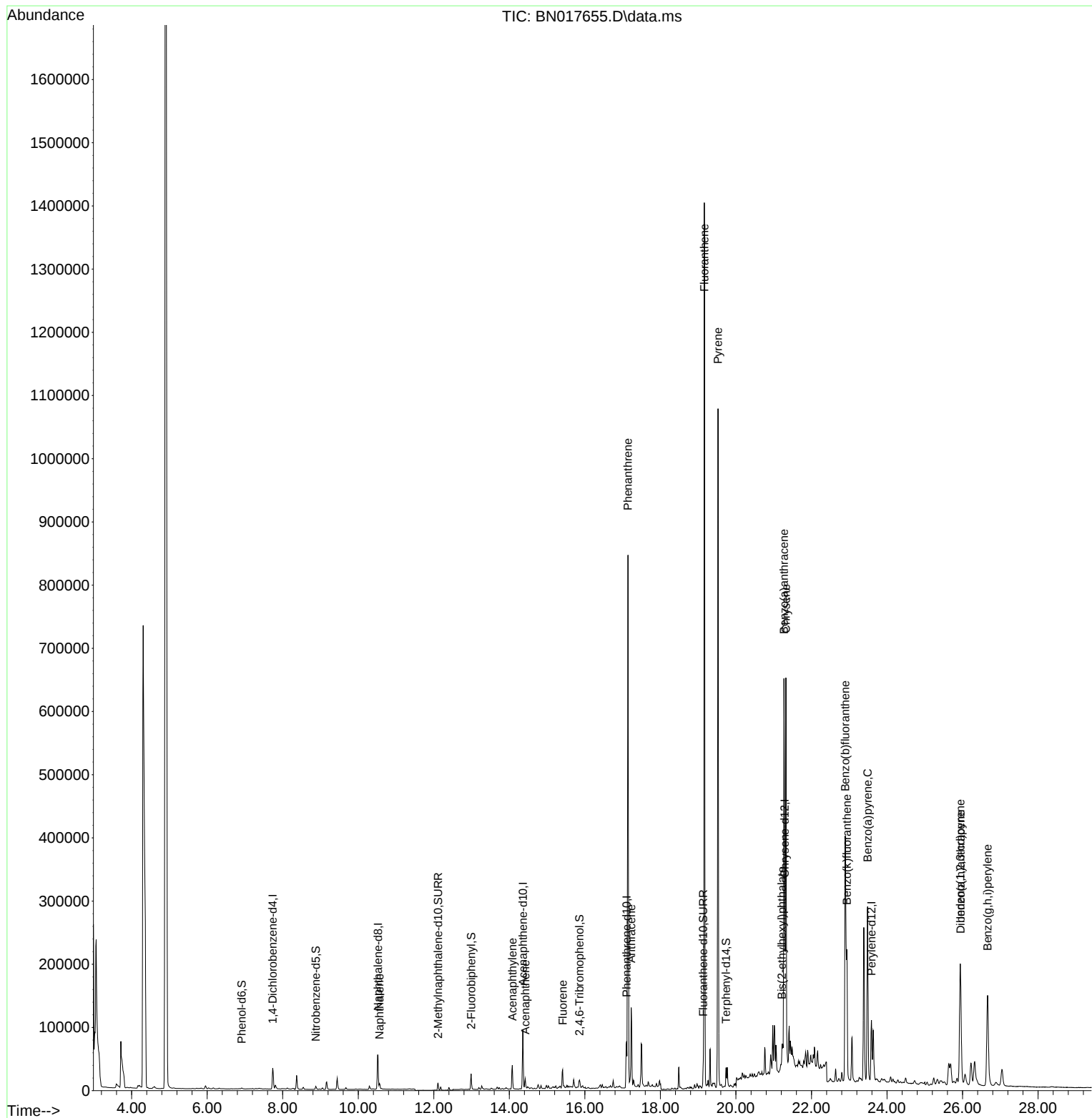
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
Data File : BN017655.D
Acq On : 01 Dec 2021 17:50
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ALS Vial : 6 Sample Multiplier: 1

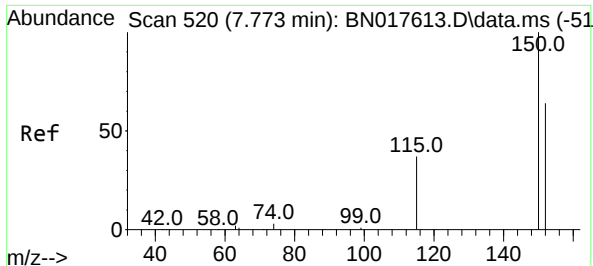
Instrument :
BNA_N
ClientSampleId :
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Quant Time: Dec 01 18:24:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 01 18:24:35 2021
Response via : Initial Calibration

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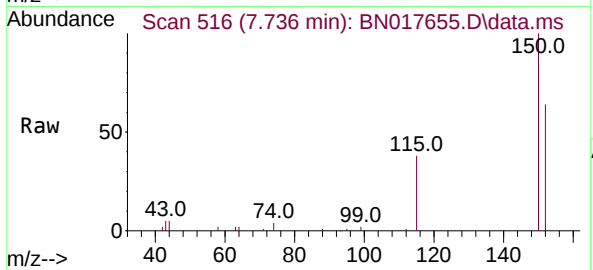
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 516
Delta R.T. -0.037 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

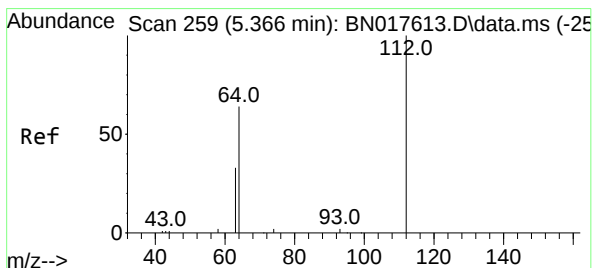
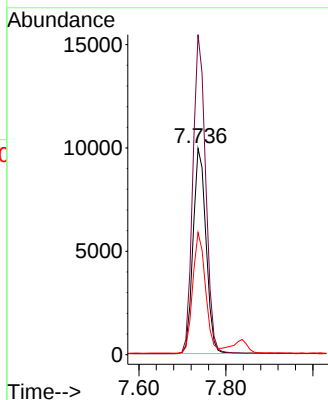
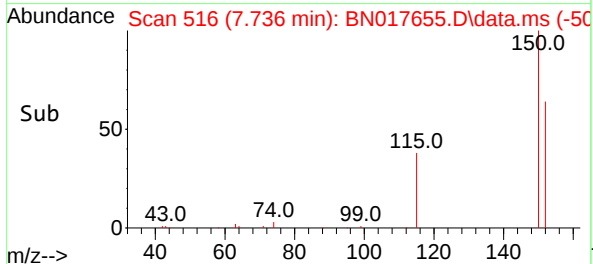
Instrument :
BNA_N
ClientSampleId :
CS-6BDL



Tgt Ion:152 Resp: 2044
Ion Ratio Lower Upper
152 100
150 155.1 123.0 184.4
115 59.3 45.6 68.4

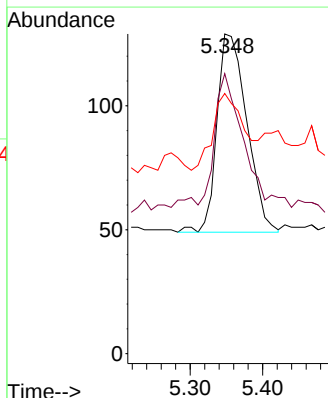
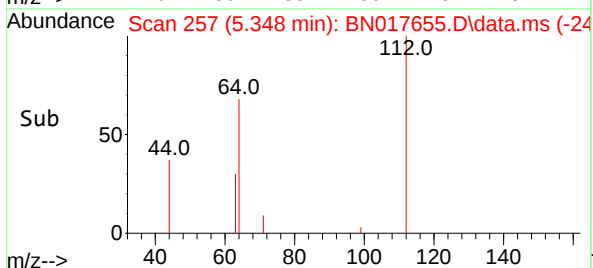
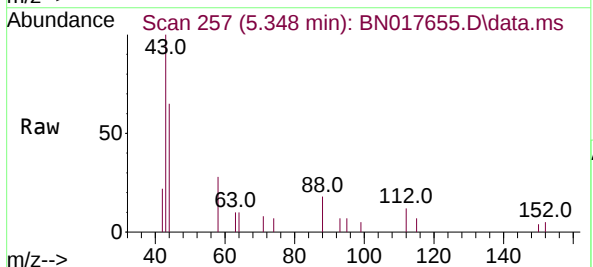
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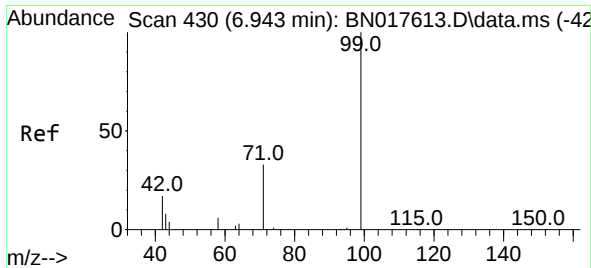
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#4
2-Fluorophenol
Concen: 0.005 ng
RT: 5.348 min Scan# 257
Delta R.T. -0.028 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

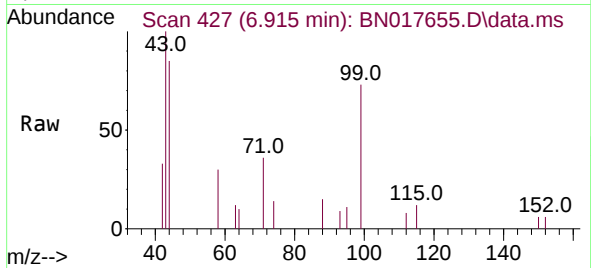
Tgt Ion:112 Resp: 229
Ion Ratio Lower Upper
112 100
64 66.8 47.6 71.4
63 38.0 24.6 37.0#





#5
Phenol-d6
Concen: 0.025 ng
RT: 6.915 min Scan# 430
Delta R.T. -0.028 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

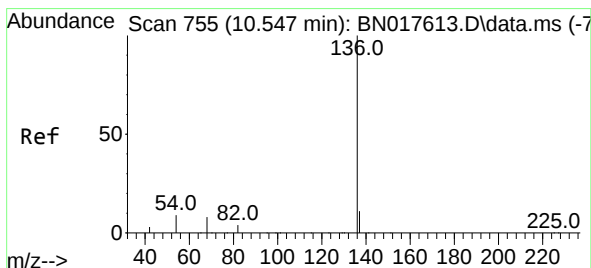
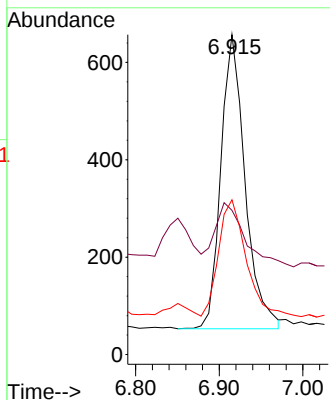
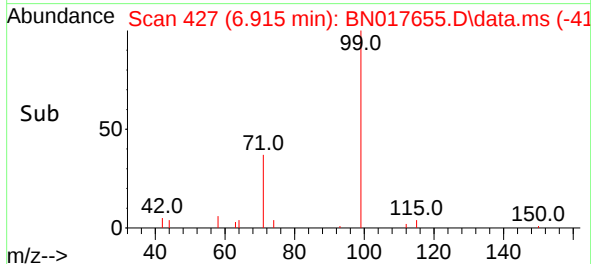
Instrument :
BNA_N
ClientSampleId :
CS-6BDL



Tgt Ion: 99 Resp: 1214
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 44.2 24.8 37.2

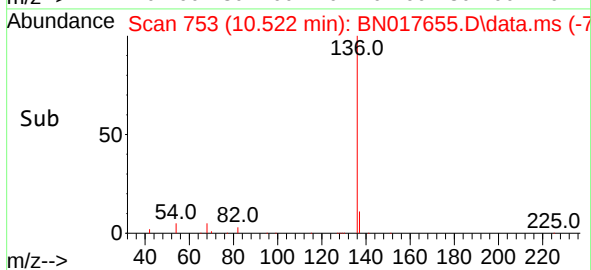
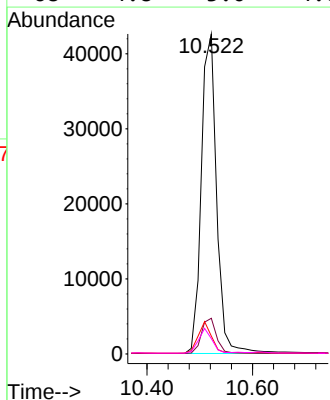
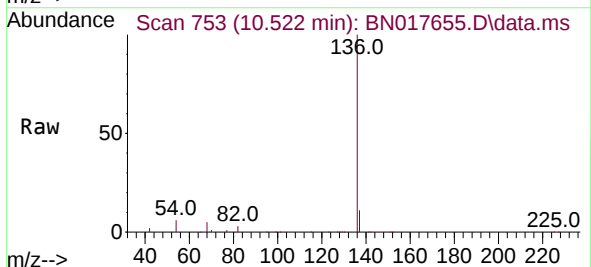
Manual Integrations
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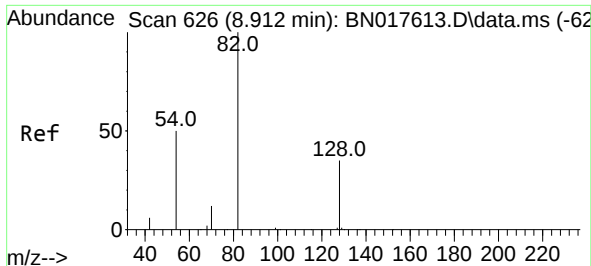
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 753
Delta R.T. -0.025 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

Tgt Ion:136 Resp: 86015
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 5.6 4.0 6.0
68 4.8 3.0 4.6





#8
Nitrobenzene-d5
Concen: 0.129 ng
RT: 8.874 min Scan# 61
Delta R.T. -0.038 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

Instrument :

BNA_N

ClientSampleId :

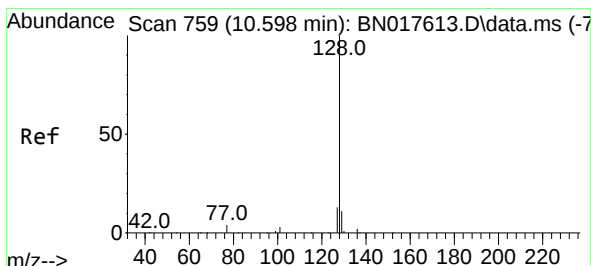
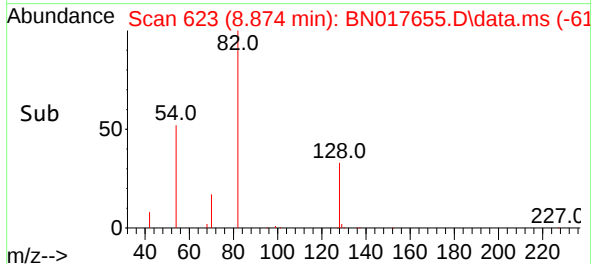
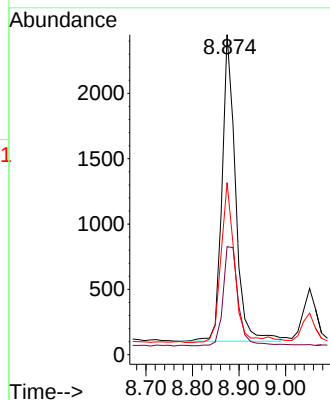
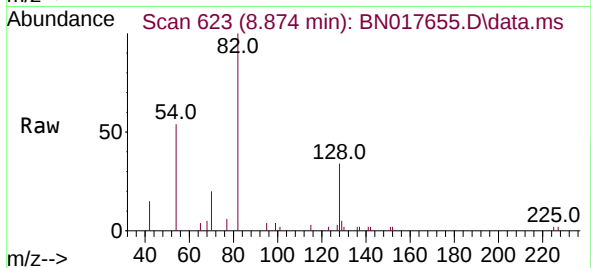
CS-6BDL

Tgt Ion: 82 Resp: 4718
Ion Ratio Lower Upper
82 100
128 33.8 27.7 41.5
54 53.7 49.2 73.8

Manual Integrations

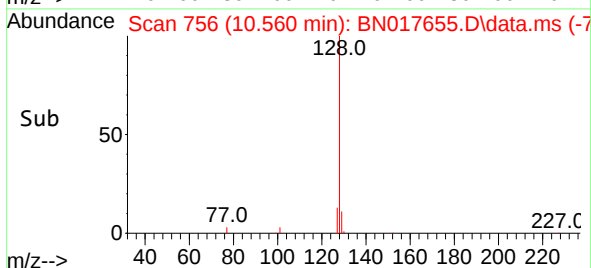
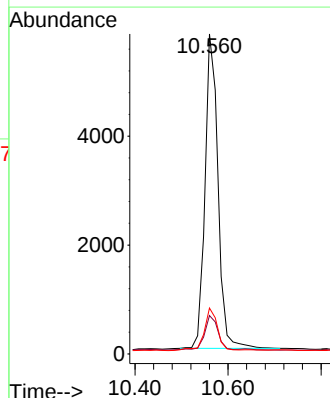
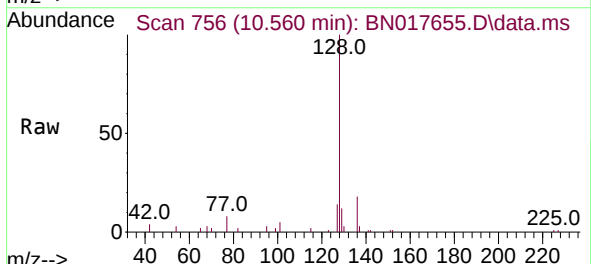
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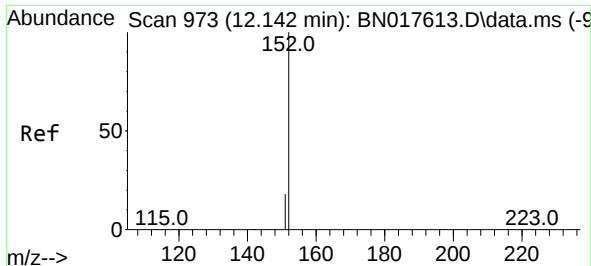
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#9
Naphthalene
Concen: 0.052 ng
RT: 10.560 min Scan# 756
Delta R.T. -0.038 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

Tgt Ion:128 Resp: 11221
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 14.4 10.6 15.8





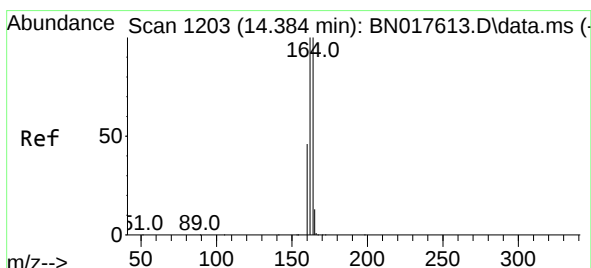
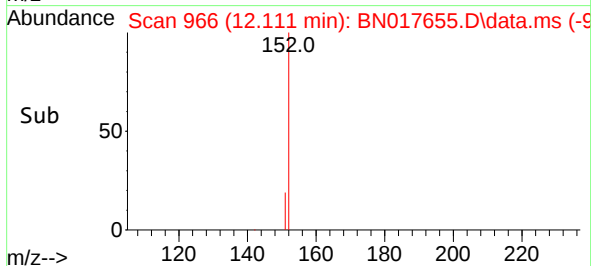
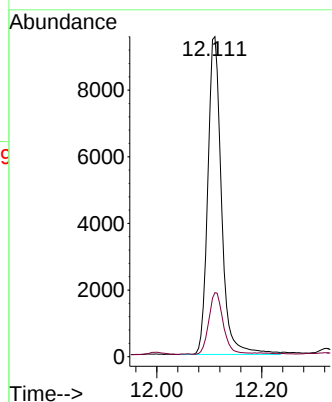
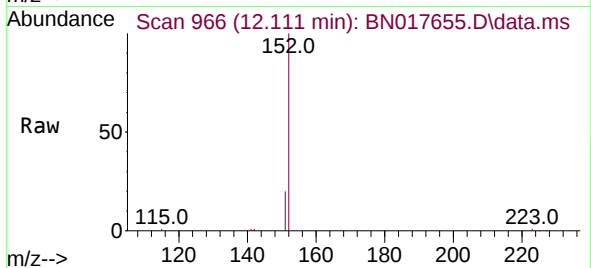
#11
2-Methylnaphthalene-d10
Concen: 0.115 ng
RT: 12.111 min Scan# 90
Delta R.T. -0.027 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

Instrument :
BNA_N
ClientSampleId :
CS-6BDL

Tgt Ion:152 Resp: 17315
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4

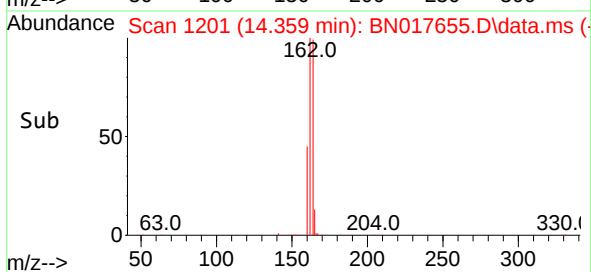
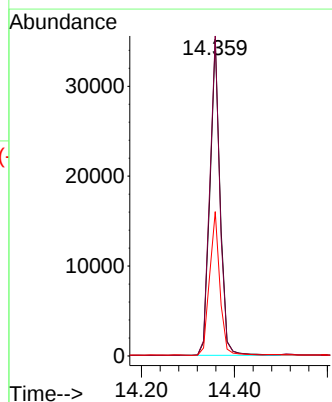
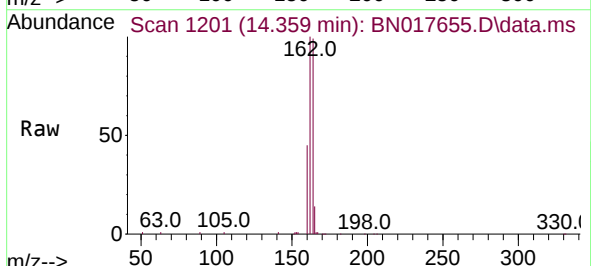
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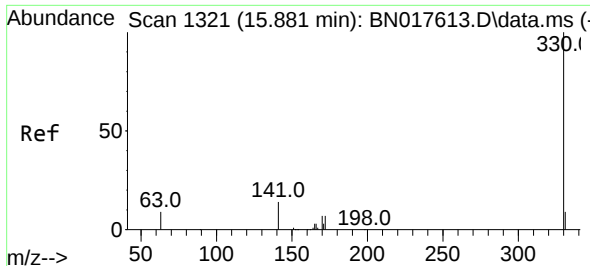
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.359 min Scan# 1201
Delta R.T. -0.025 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

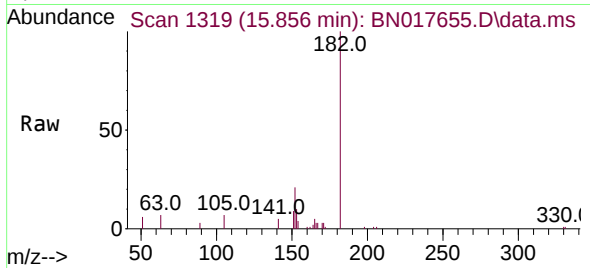
Tgt Ion:164 Resp: 53581
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.2
160 45.6 36.8 55.2





#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.856 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

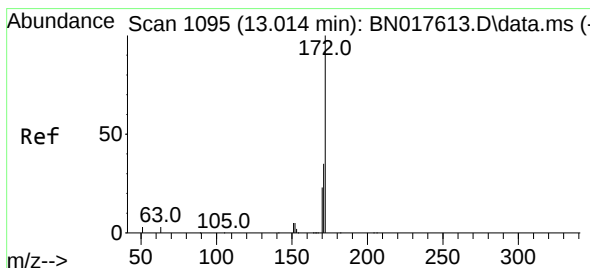
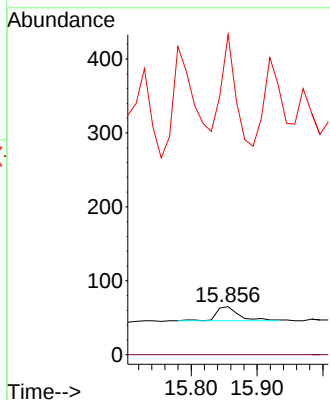
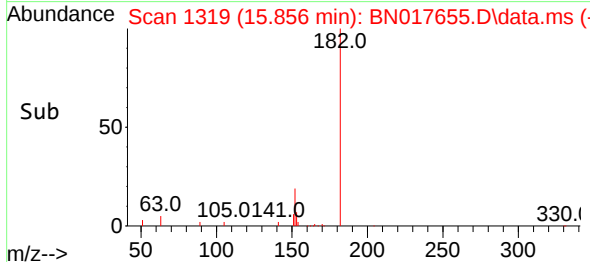
Instrument :
BNA_N
ClientSampleId :
CS-6BDL



Tgt Ion: 330 Resp: 45
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 486.7 28.9 43.3

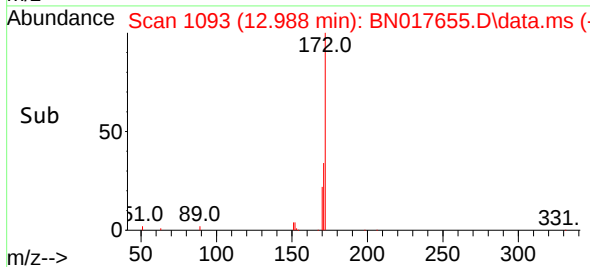
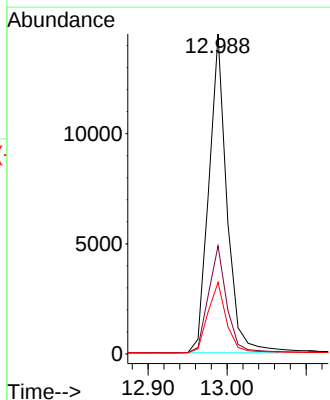
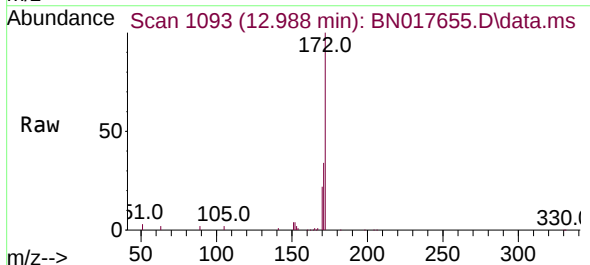
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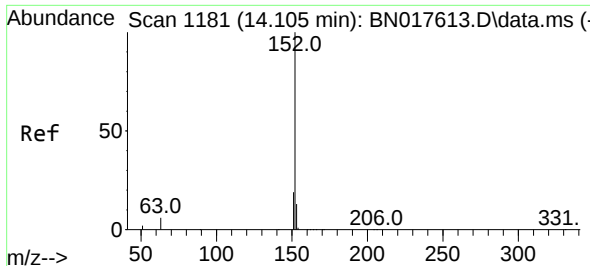
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#15
2-Fluorobiphenyl
Concen: 0.110 ng
RT: 12.988 min Scan# 1093
Delta R.T. -0.025 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

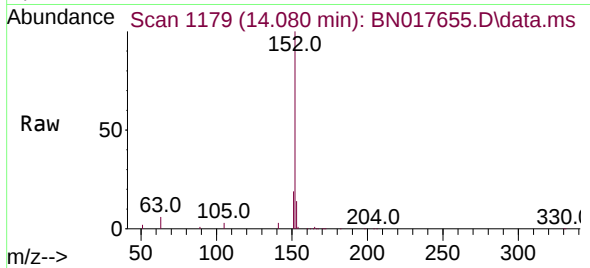
Tgt Ion: 172 Resp: 22957
Ion Ratio Lower Upper
172 100
171 33.8 28.7 43.1
170 22.4 19.4 29.2





#16
Acenaphthylene
Concen: 0.216 ng
RT: 14.080 min Scan# 1181
Delta R.T. -0.025 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

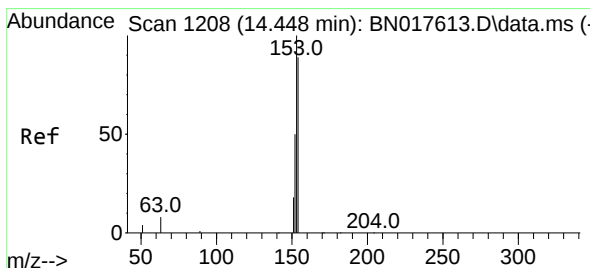
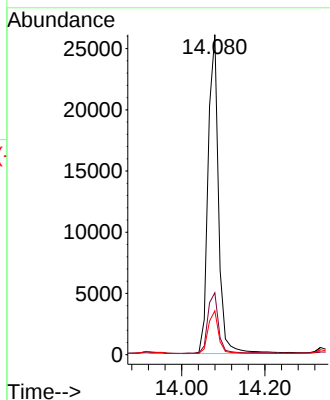
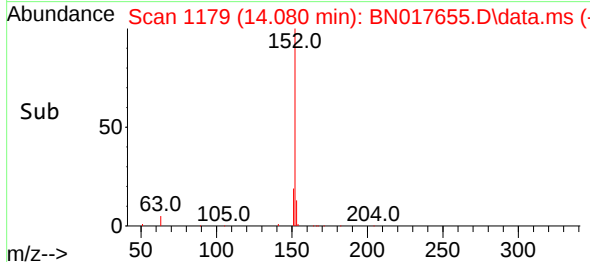
Instrument :
BNA_N
ClientSampleId :
CS-6BDL



Tgt Ion:152 Resp: 4517
Ion Ratio Lower Upper
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151 19.6 15.5 23.3
153 13.7 10.4 15.6

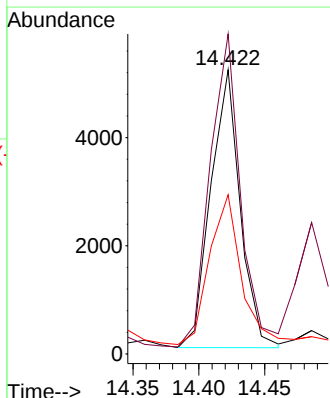
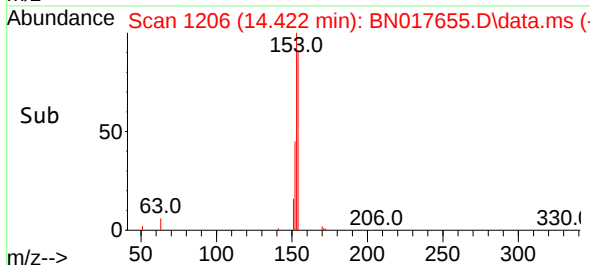
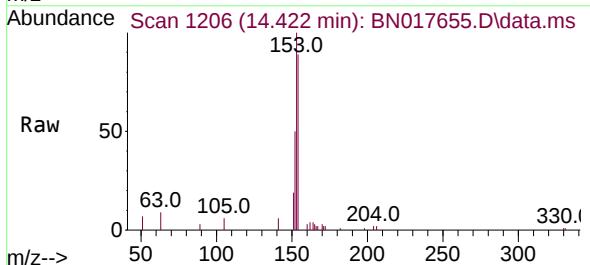
Manual Integrations
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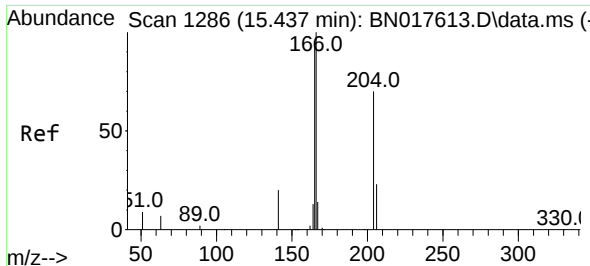
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#17
Acenaphthene
Concen: 0.055 ng
RT: 14.422 min Scan# 1206
Delta R.T. -0.025 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

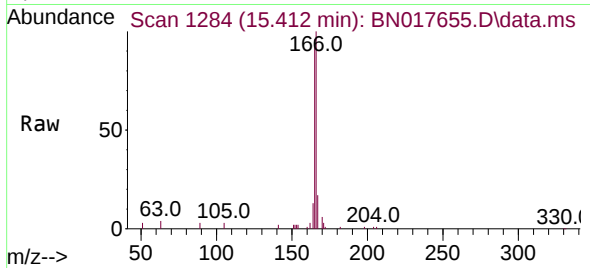
Tgt Ion:154 Resp: 7981
Ion Ratio Lower Upper
154 100
153 116.5 91.2 136.8
152 63.2 44.3 66.5





#18
Fluorene
Concen: 0.121 ng
RT: 15.412 min Scan# 1284
Delta R.T. -0.013 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

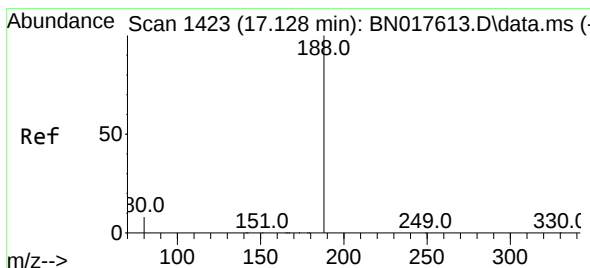
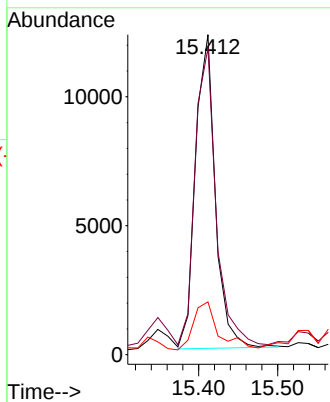
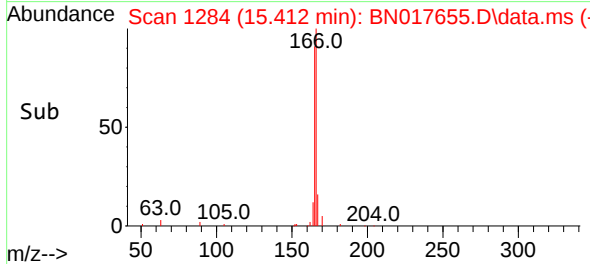
Instrument :
BNA_N
ClientSampleId :
CS-6BDL



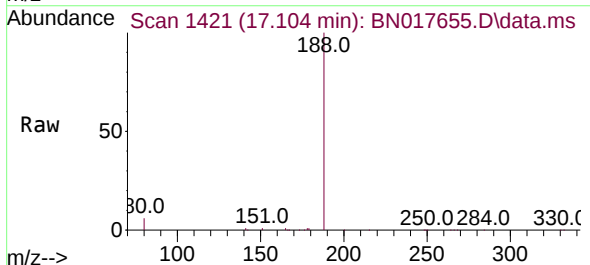
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Ion Ratio Lower Upper
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167 19.6 10.9 16.3

Manual Integrations
APPROVED

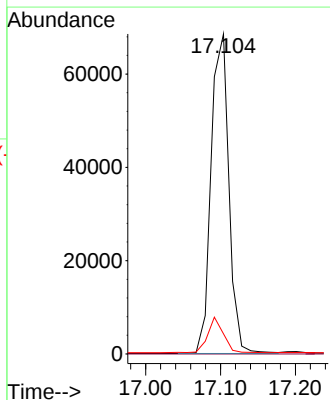
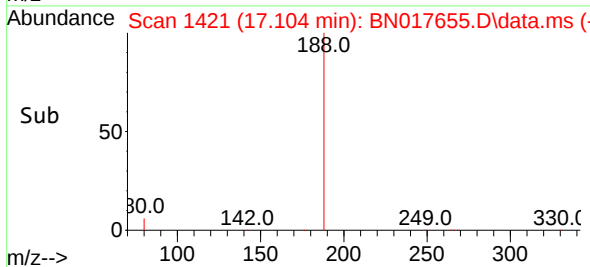
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

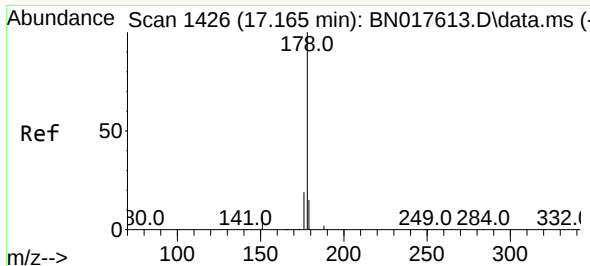


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50



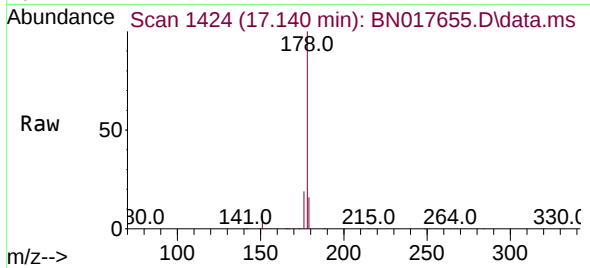
Tgt Ion:188 Resp: 112960
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.3 6.1 9.1





#25
Phenanthrene
Concen: 2.799 ng
RT: 17.140 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

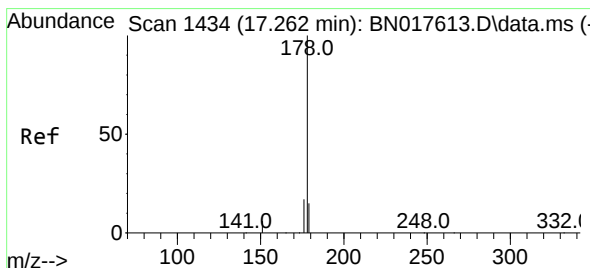
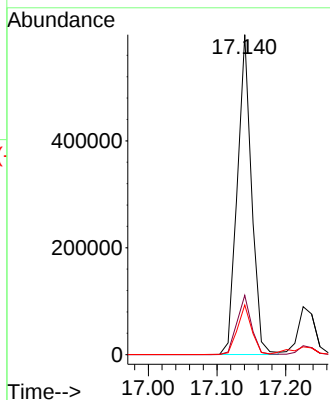
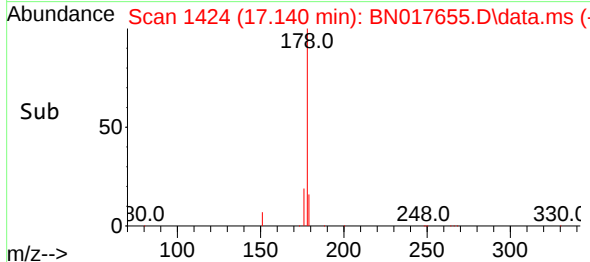
Instrument :
BNA_N
ClientSampleId :
CS-6BDL



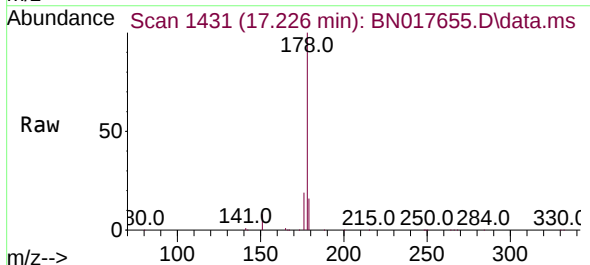
Tgt Ion:178 Resp: 867135
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.5 12.3 18.5

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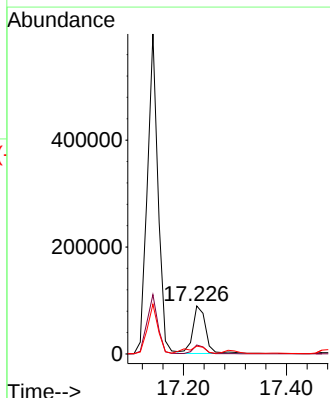
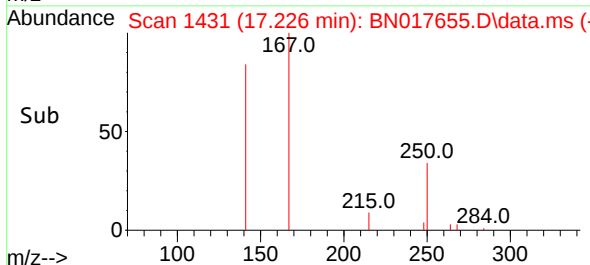
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

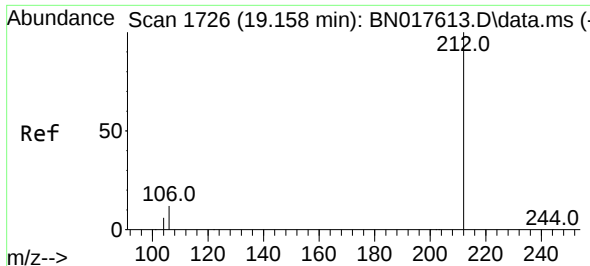


#26
Anthracene
Concen: 0.586 ng
RT: 17.226 min Scan# 1431
Delta R.T. -0.024 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50



Tgt Ion:178 Resp: 155954
Ion Ratio Lower Upper
178 100
176 17.5 14.6 22.0
179 20.9 12.2 18.4#





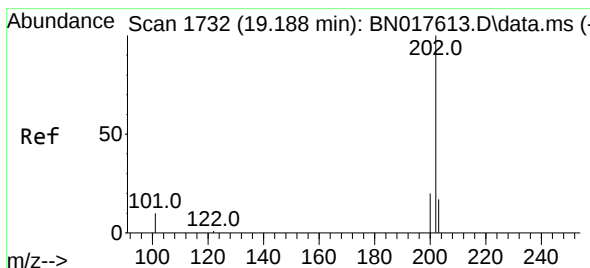
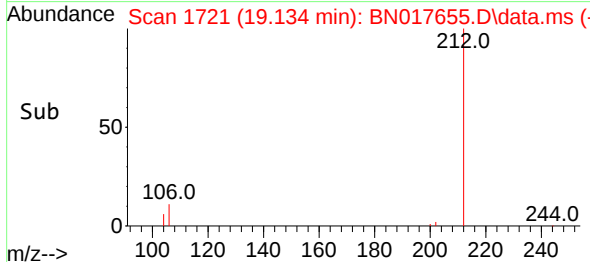
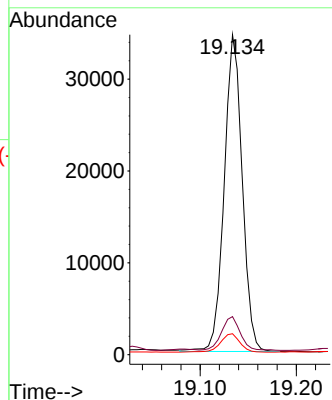
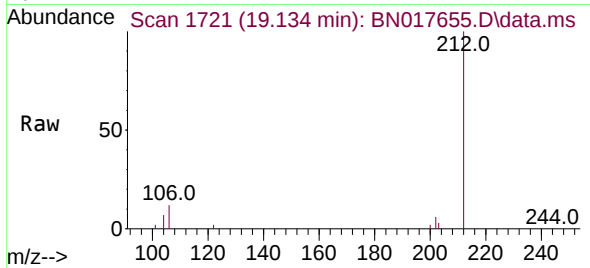
#27
Fluoranthene-d10
Concen: 0.127 ng
RT: 19.134 min Scan# 1721
Delta R.T. -0.020 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

Instrument :
BNA_N
ClientSampleId :
CS-6BDL

Tgt Ion:212 Resp: 4492
Ion Ratio Lower Upper
212 100
106 11.1 10.5 15.7
104 6.3 5.8 8.6

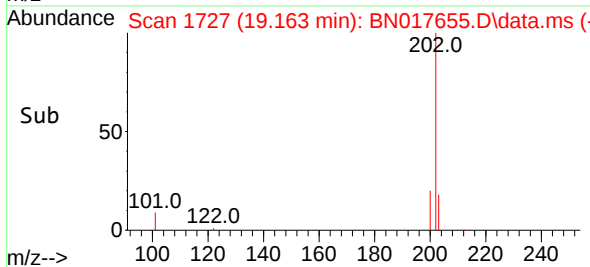
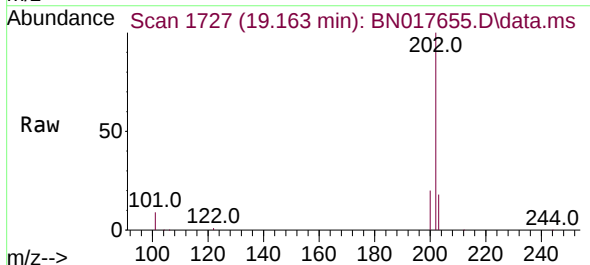
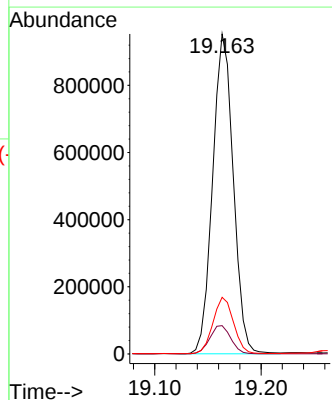
Manual Integrations
APPROVED

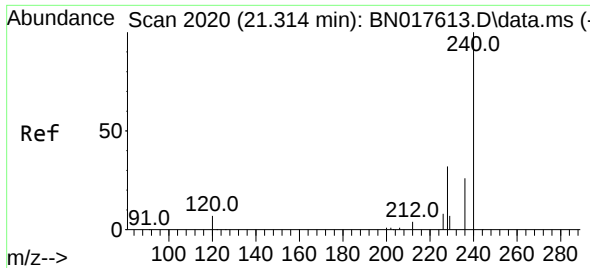
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#28
Fluoranthene
Concen: 3.663 ng
RT: 19.163 min Scan# 1727
Delta R.T. -0.020 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

Tgt Ion:202 Resp: 1284193
Ion Ratio Lower Upper
202 100
101 9.0 8.9 13.3
203 17.5 13.8 20.6





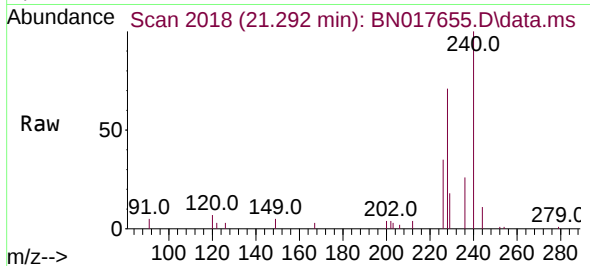
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.292 min Scan# 20
Delta R.T. -0.011 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

Instrument :

BNA_N

ClientSampleId :

CS-6BDL

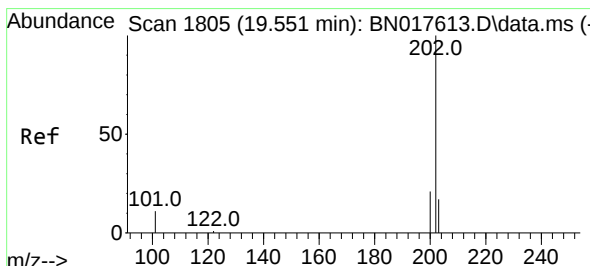
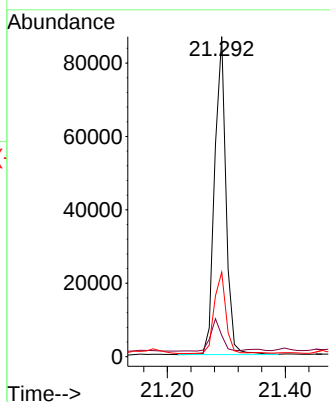
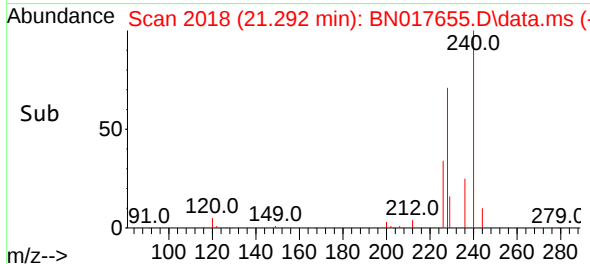


Tgt Ion:240 Resp: 11530
Ion Ratio Lower Upper
240 100
120 6.7 4.2 6.2
236 26.4 20.0 30.0

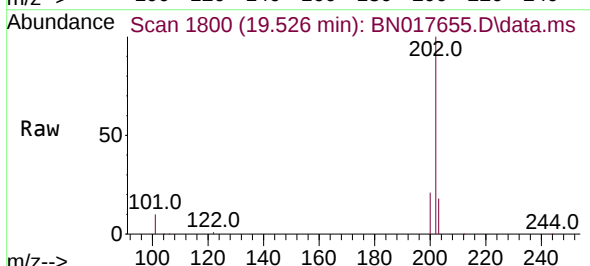
Manual Integrations

APPROVED

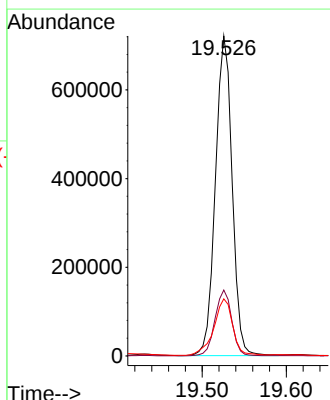
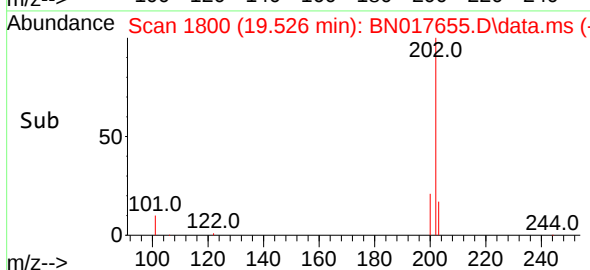
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

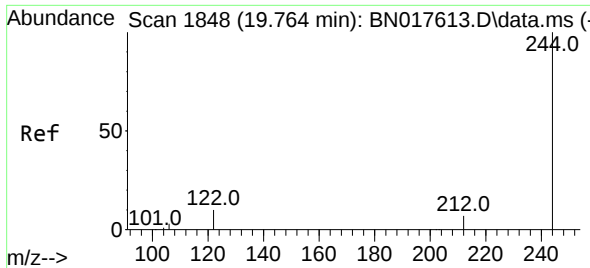


#30
Pyrene
Concen: 2.663 ng
RT: 19.526 min Scan# 1800
Delta R.T. -0.020 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50



Tgt Ion:202 Resp: 991041
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 20.0 14.0 21.0





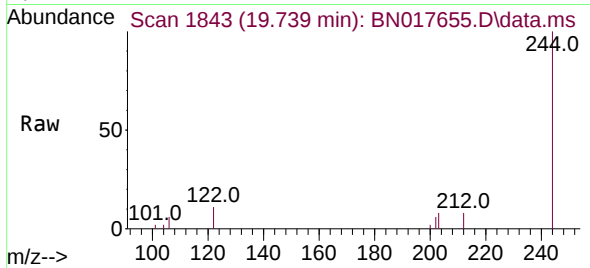
#31
Terphenyl-d14
Concen: 0.126 ng
RT: 19.739 min Scan# 1848
Delta R.T. -0.015 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

Instrument :

BNA_N

ClientSampleId :

CS-6BDL

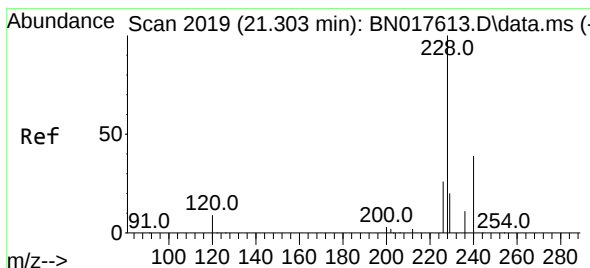
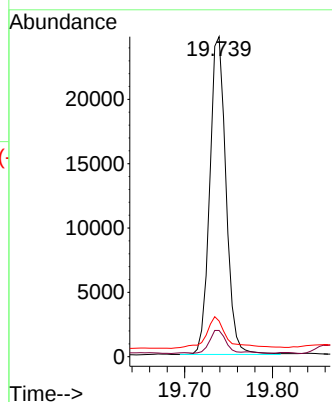


Tgt Ion:244 Resp: 31745
Ion Ratio Lower Upper
244 100
212 8.2 5.7 8.5
122 11.2 8.6 13.0

Manual Integrations

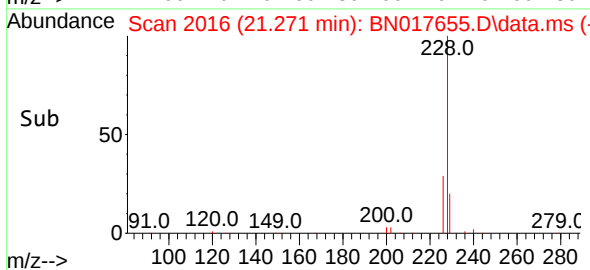
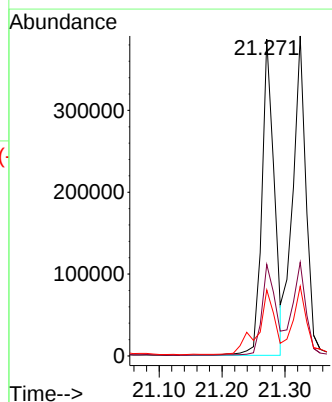
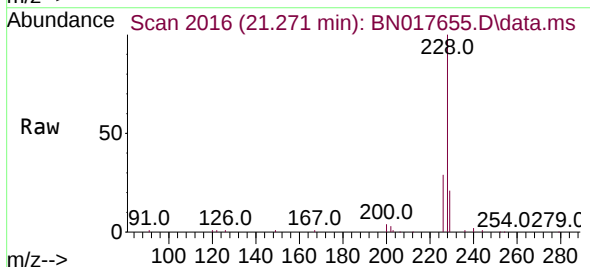
APPROVED

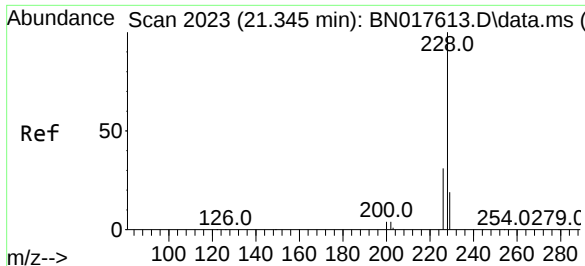
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#32
Benzo(a)anthracene
Concen: 1.510 ng
RT: 21.271 min Scan# 2016
Delta R.T. -0.021 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

Tgt Ion:228 Resp: 528673
Ion Ratio Lower Upper
228 100
226 28.9 21.3 31.9
229 20.8 15.7 23.5





#33

Chrysene

Concen: 1.474 ng

RT: 21.324 min Scan# 2011

Delta R.T. -0.011 min

Lab File: BN017655.D

Acq: 01 Dec 2021 17:50

Instrument :

BNA_N

ClientSampleId :

CS-6BDL

Tgt Ion:228 Resp: 561619

Ion Ratio Lower Upper

228 100

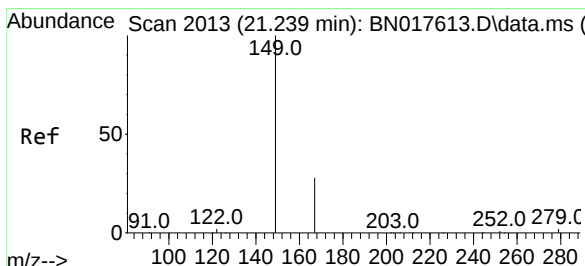
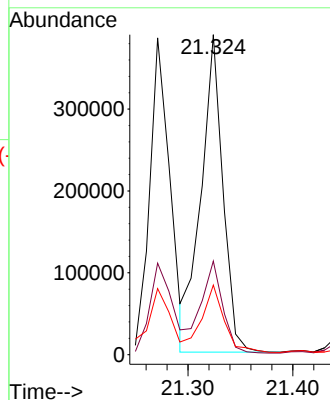
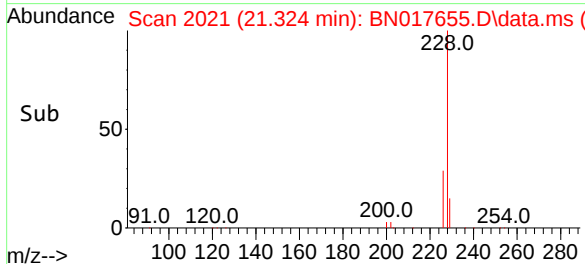
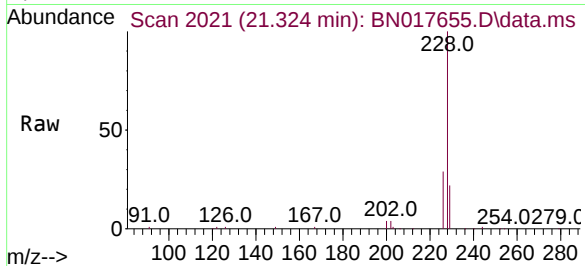
226 29.2 23.3 34.9

229 21.7 15.6 23.4

Manual Integrations

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



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.459 ng

RT: 21.218 min Scan# 2011

Delta R.T. -0.011 min

Lab File: BN017655.D

Acq: 01 Dec 2021 17:50

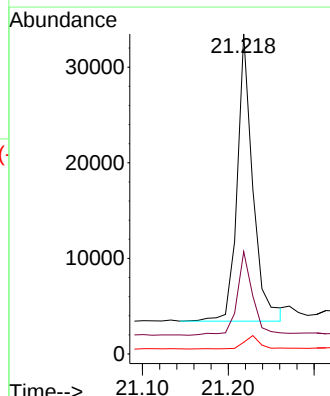
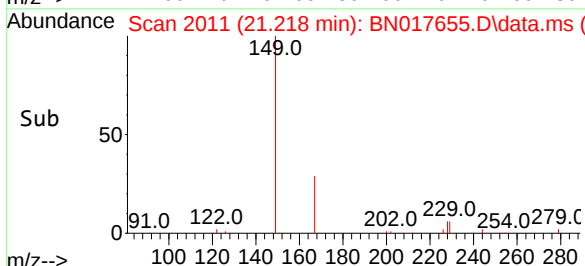
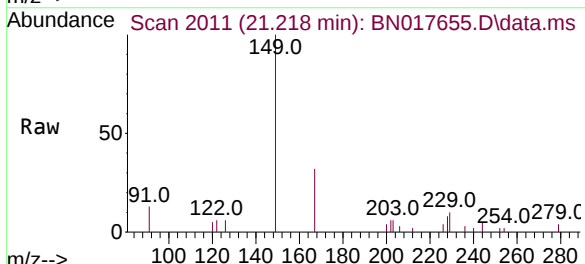
Tgt Ion:149 Resp: 38121

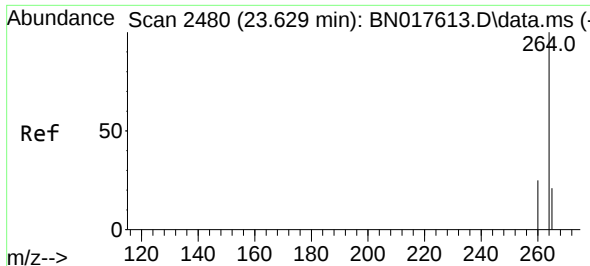
Ion Ratio Lower Upper

149 100

167 29.2 21.8 32.6

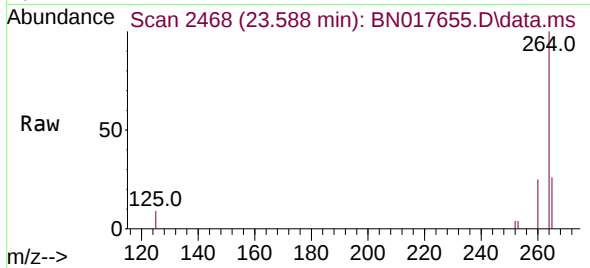
279 4.8 3.4 5.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.588 min Scan# 2480
Delta R.T. -0.021 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

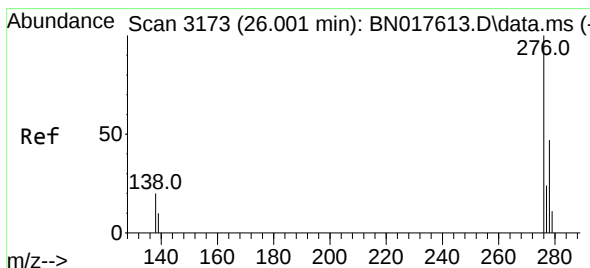
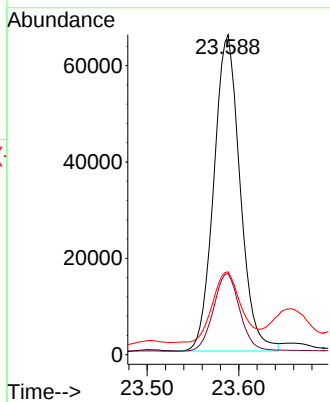
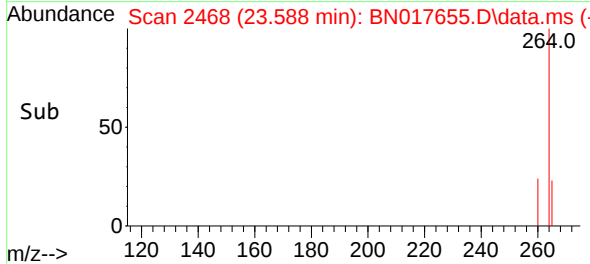
Instrument :
BNA_N
ClientSampleId :
CS-6BDL



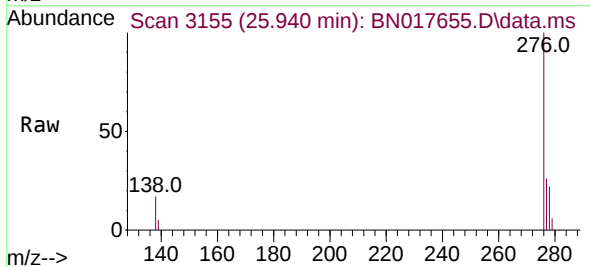
Tgt Ion:264 Resp: 130619
Ion Ratio Lower Upper
264 100
260 25.3 19.4 29.2
265 25.9 18.6 28.0

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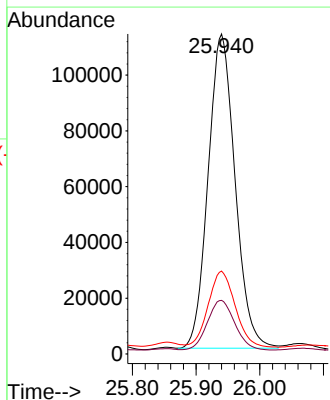
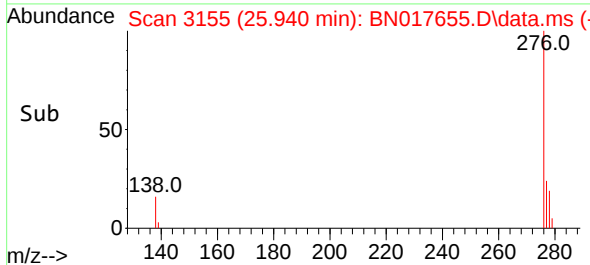
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

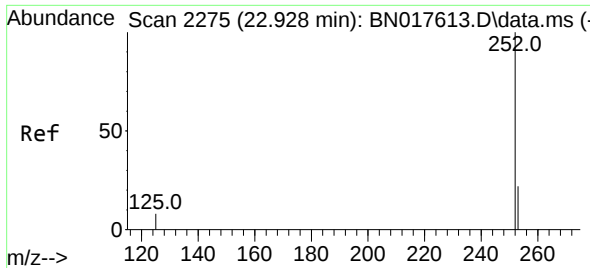


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.781 ng
RT: 25.940 min Scan# 3155
Delta R.T. -0.038 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50



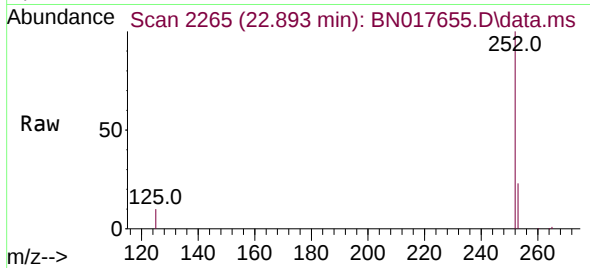
Tgt Ion:276 Resp: 331284
Ion Ratio Lower Upper
276 100
138 15.9 19.7 29.5#
277 24.3 20.0 30.0





#37
Benzo(b)fluoranthene
Concen: 1.551 ng
RT: 22.893 min Scan# 21
Delta R.T. -0.021 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

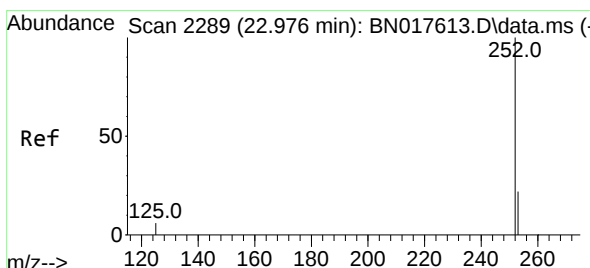
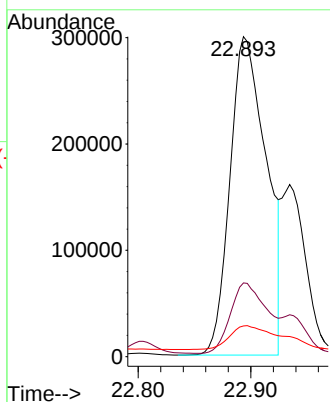
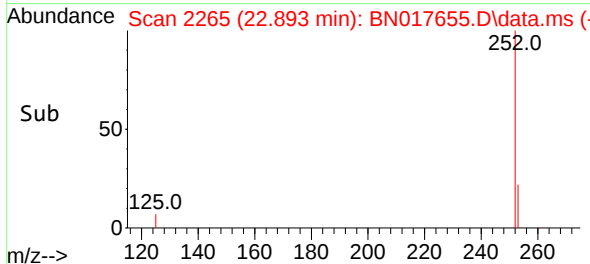
Instrument :
BNA_N
ClientSampleId :
CS-6BDL



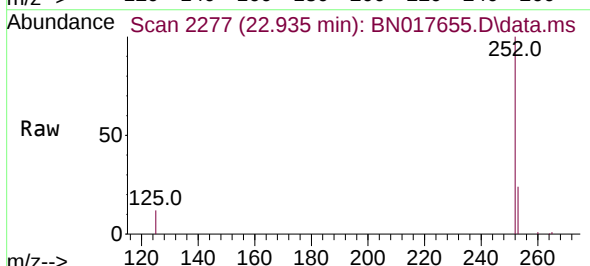
Tgt Ion:252 Resp: 671864
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 9.6 7.8 11.8

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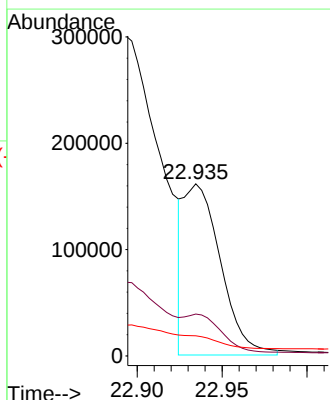
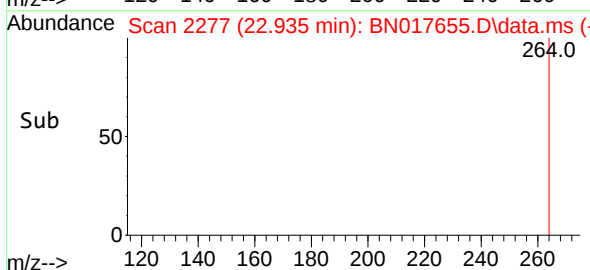
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

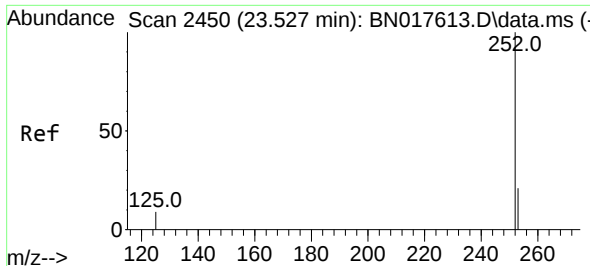


#38
Benzo(k)fluoranthene
Concen: 0.548 ng m
RT: 22.935 min Scan# 2277
Delta R.T. -0.024 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50



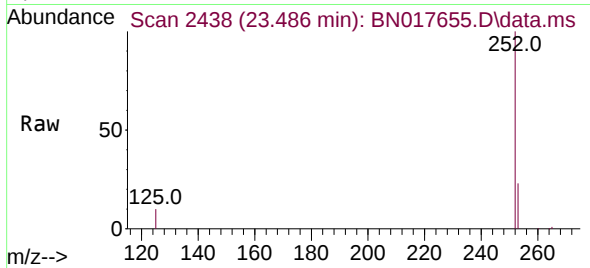
Tgt Ion:252 Resp: 243401
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 11.7 8.2 12.2





#39
Benzo(a)pyrene
Concen: 1.052 ng
RT: 23.486 min Scan# 2450
Delta R.T. -0.021 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

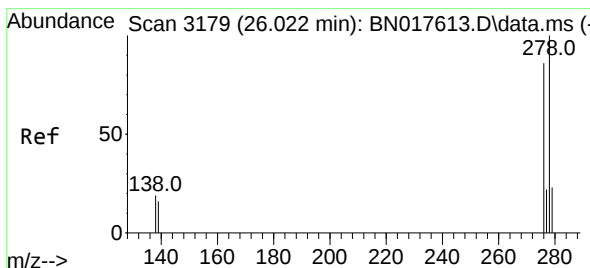
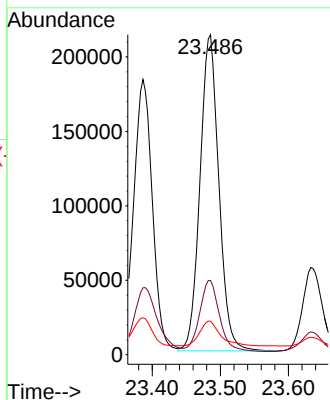
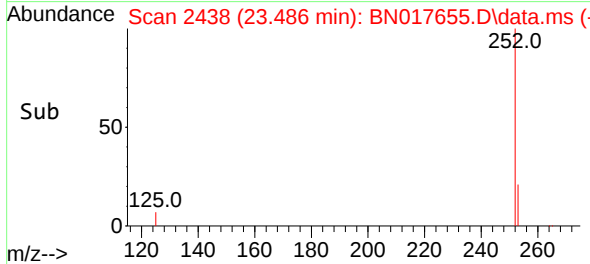
Instrument :
BNA_N
ClientSampleId :
CS-6BDL



Tgt Ion:252 Resp: 40798
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 10.5 9.2 13.8

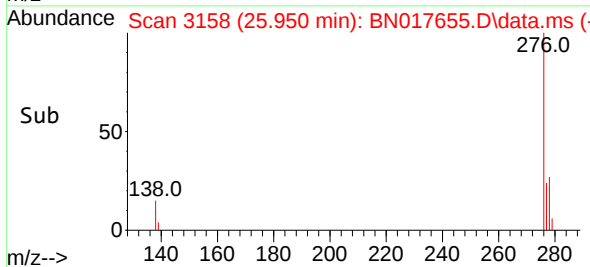
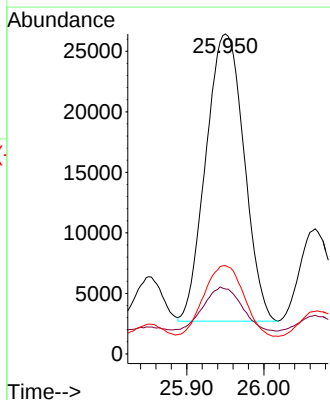
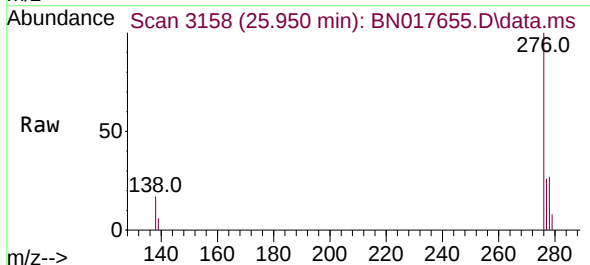
Manual Integrations
APPROVED

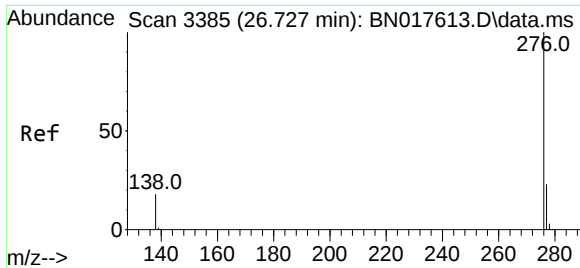
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#40
Dibenzo(a,h)anthracene
Concen: 0.235 ng
RT: 25.950 min Scan# 3158
Delta R.T. -0.048 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

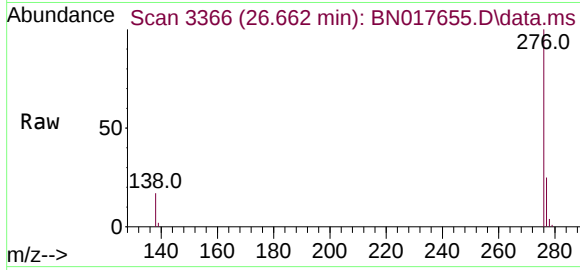
Tgt Ion:278 Resp: 81628
Ion Ratio Lower Upper
278 100
139 20.3 13.0 19.6#
279 27.6 19.2 28.8





#41
Benzo(g,h,i)perylene
Concen: 0.906 ng
RT: 26.662 min Scan# 31
Delta R.T. -0.034 min
Lab File: BN017655.D
Acq: 01 Dec 2021 17:50

Instrument :
BNA_N
ClientSampleId :
CS-6BDL



Tgt Ion:276 Resp: 322915
Ion Ratio Lower Upper
276 100
277 25.4 19.0 28.4
138 17.1 17.1 25.7

Manual Integrations
APPROVED

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

