

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017660.D
 Acq On : 01 Dec 2021 20:51
 Operator : CG/JU
 Sample : M4862-08DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-4ADL

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 21:25:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : 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	19446	0.400	ng	-0.04
7) Naphthalene-d8	10.522	136	83171	0.400	ng	#-0.03
13) Acenaphthene-d10	14.359	164	54950	0.400	ng	-0.03
19) Phenanthrene-d10	17.104	188	119226	0.400	ng	#-0.01
29) Chrysene-d12	21.293	240	122600	0.400	ng	#-0.01
35) Perylene-d12	23.585	264	137236	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.357	112	20	0.000	ng	-0.02
5) Phenol-d6	6.915	99	44	0.001	ng	-0.03
8) Nitrobenzene-d5	8.875	82	2105	0.060	ng	-0.04
11) 2-Methylnaphthalene-d10	12.111	152	7264	0.050	ng	-0.03
14) 2,4,6-Tribromophenol	15.843	330	20	0.126	ng	-0.03
15) 2-Fluorobiphenyl	12.989	172	9427	0.044	ng	-0.03
27) Fluoranthene-d10	19.134	212	20697	0.056	ng	-0.02
31) Terphenyl-d14	19.739	244	14000	0.052	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.560	128	12500	0.060	ng	97
12) 2-Methylnaphthalene	12.182	142	5896	0.043	ng	# 96
16) Acenaphthylene	14.080	152	24985	0.117	ng	99
17) Acenaphthene	14.422	154	15488	0.105	ng	99
18) Fluorene	15.412	166	27518m	0.153	ng	
25) Phenanthrene	17.141	178	585809	1.792	ng	100
26) Anthracene	17.226	178	110206	0.392	ng	# 93
28) Fluoranthene	19.164	202	1071929	2.897	ng	# 97
30) Pyrene	19.526	202	904197	2.285	ng	# 95
32) Benzo(a)anthracene	21.271	228	540253	1.451	ng	97
33) Chrysene	21.324	228	508502	1.255	ng	97
34) Bis(2-ethylhexyl)phtha...	21.218	149	223052	2.525	ng	97
36) Indeno(1,2,3-cd)pyrene	25.937	276	293448	0.659	ng	# 91
37) Benzo(b)fluoranthene	22.894	252	712946	1.567	ng	96
38) Benzo(k)fluoranthene	22.935	252	242485m	0.520	ng	
39) Benzo(a)pyrene	23.482	252	461941	1.134	ng	98
40) Dibenzo(a,h)anthracene	25.947	278	71930	0.198	ng	# 84
41) Benzo(g,h,i)perylene	26.659	276	276683	0.739	ng	94

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

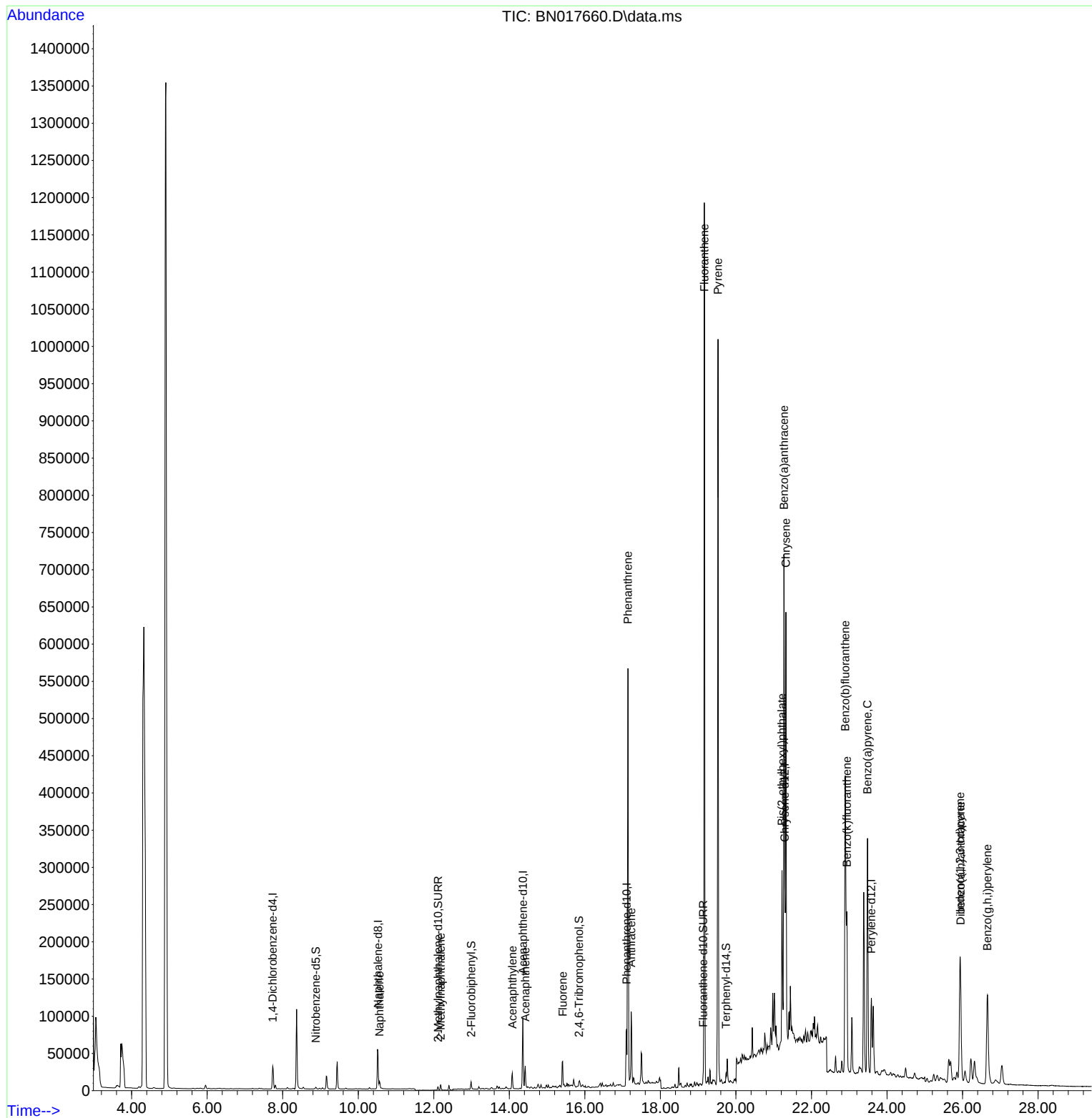
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017660.D
 Acq On : 01 Dec 2021 20:51
 Operator : CG/JU
 Sample : M4862-08DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

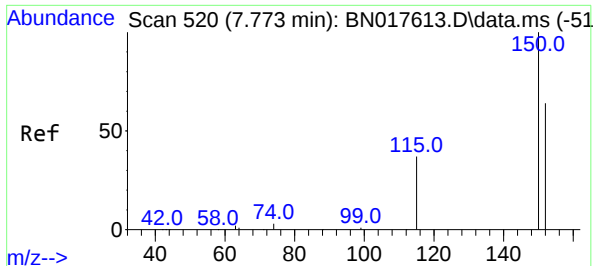
Instrument :
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 Supervised By :mohammad ahmed 12/05/2021

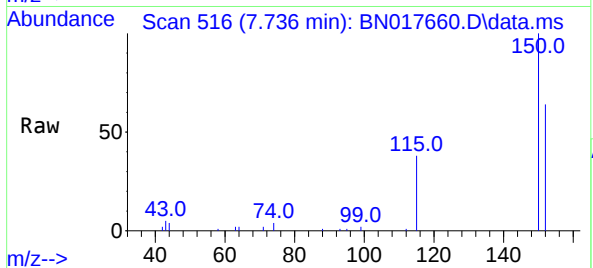
Quant Time: Dec 01 21:25:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 01 18:24:35 2021
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. -0.037 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

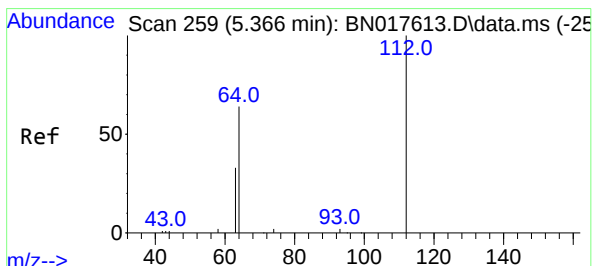
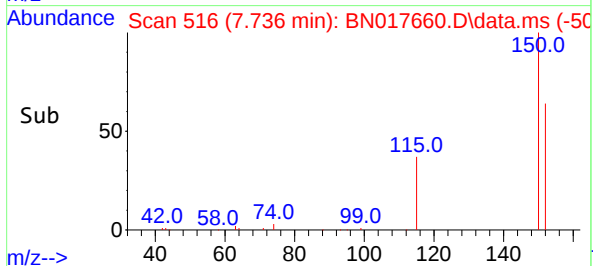
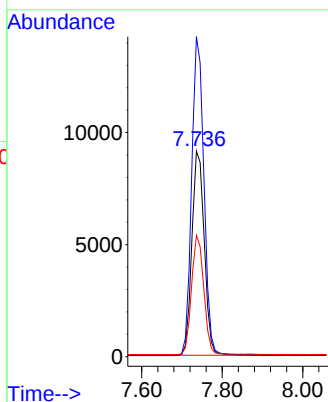
Instrument :
BNA_N
ClientSampleId :
CS-4ADL



Tgt Ion:152 Resp: 1944
Ion Ratio Lower Upper
152 100
150 155.7 123.0 184.4
115 59.0 45.6 68.4

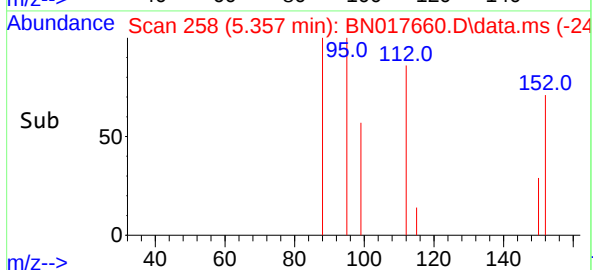
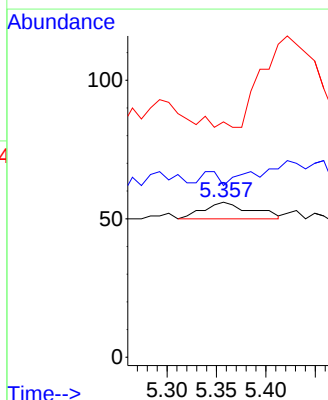
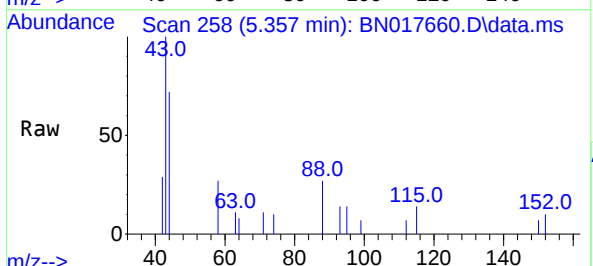
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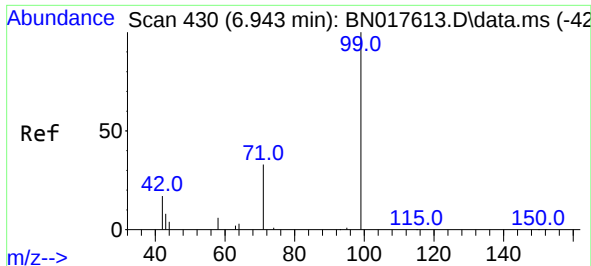
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#4
2-Fluorophenol
Concen: 0.000 ng
RT: 5.357 min Scan# 258
Delta R.T. -0.018 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

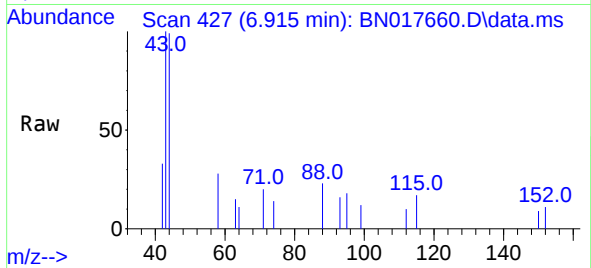
Tgt Ion:112 Resp: 20
Ion Ratio Lower Upper
112 100
64 30.0 47.6 71.4#
63 0.0 24.6 37.0#





#5
Phenol-d6
Concen: 0.001 ng
RT: 6.915 min Scan# 41
Delta R.T. -0.027 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

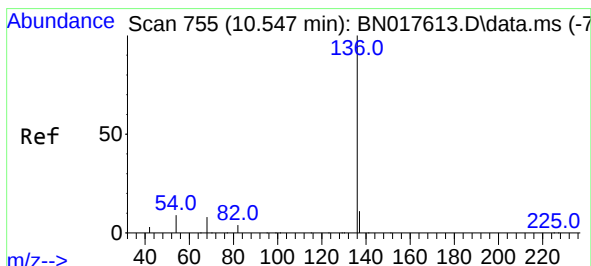
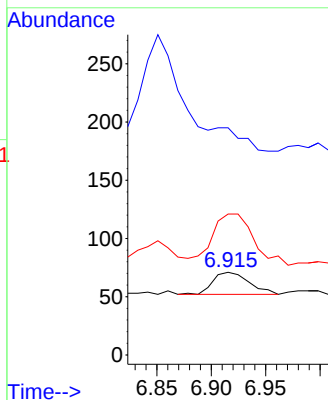
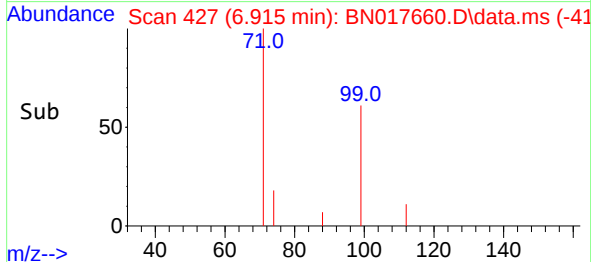
Instrument :
BNA_N
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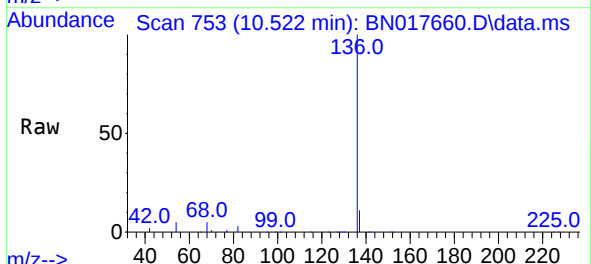
Tgt Ion: 99 Resp: 44
Ion Ratio Lower Upper
99 100
42 0.0 17.0 25.6
71 263.6 24.8 37.2

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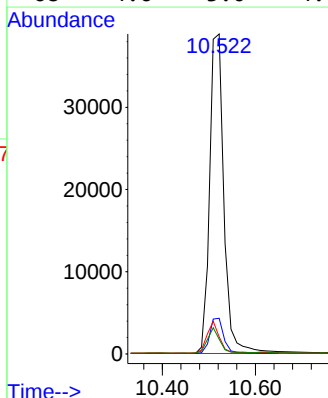
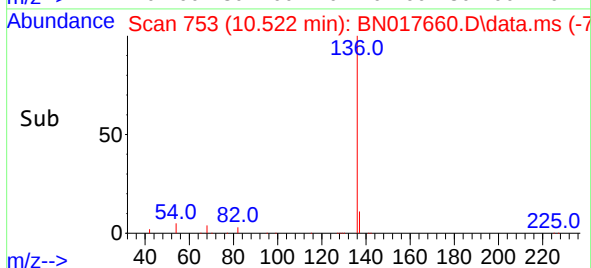
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

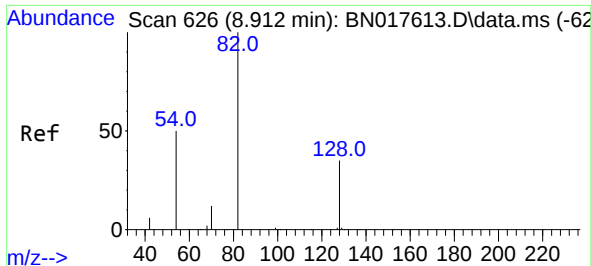


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 753
Delta R.T. -0.025 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51



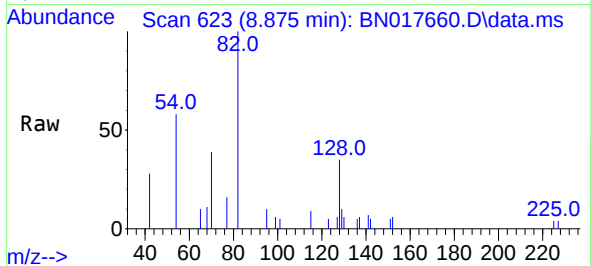
Tgt Ion:136 Resp: 83171
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 5.4 4.0 6.0
68 4.6 3.0 4.6





#8
Nitrobenzene-d5
Concen: 0.060 ng
RT: 8.875 min Scan# 61
Delta R.T. -0.038 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

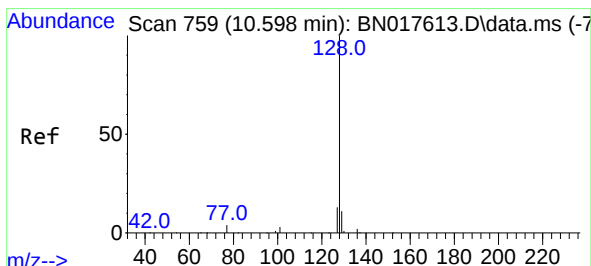
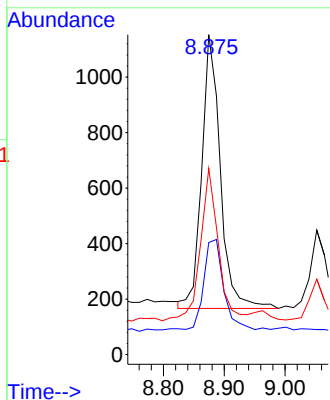
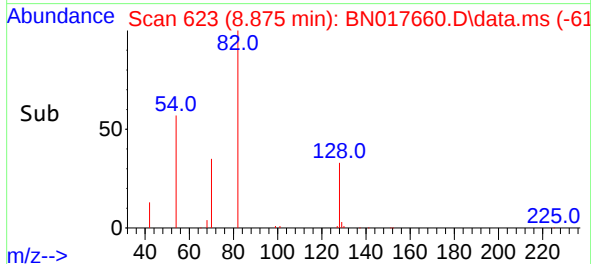
Instrument :
BNA_N
ClientSampleId :
CS-4ADL



Tgt Ion: 82 Resp: 210
Ion Ratio Lower Upper
82 100
128 35.0 27.7 41.5
54 58.2 49.2 73.8

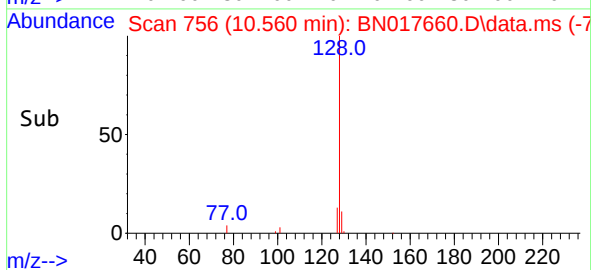
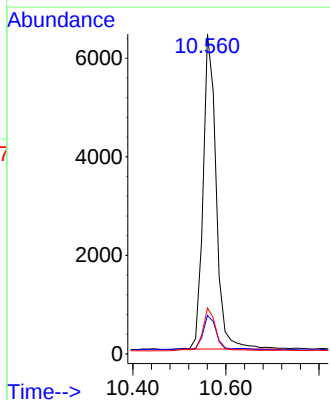
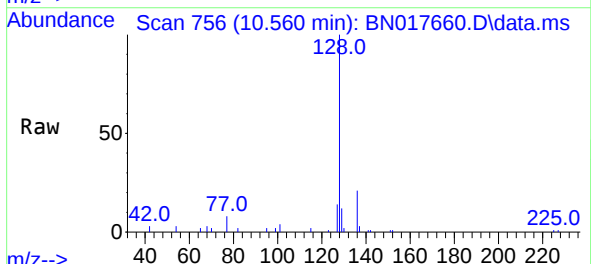
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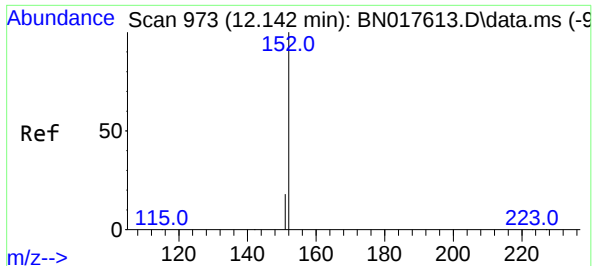
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#9
Naphthalene
Concen: 0.060 ng
RT: 10.560 min Scan# 756
Delta R.T. -0.038 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion:128 Resp: 12500
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: 0.050 ng

RT: 12.111 min Scan# 9

Delta R.T. -0.026 min

Lab File: BN017660.D

Acq: 01 Dec 2021 20:51

Instrument :

BNA_N

ClientSampleId :

CS-4ADL

Tgt Ion:152 Resp: 7264

Ion Ratio Lower Upper

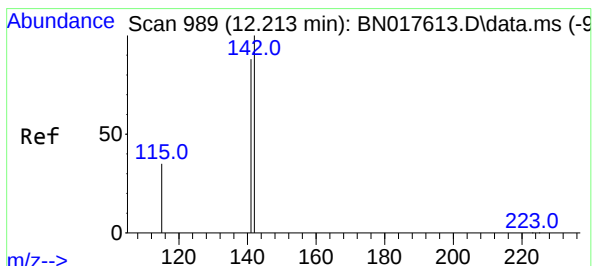
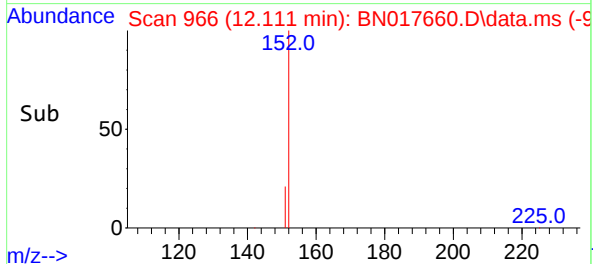
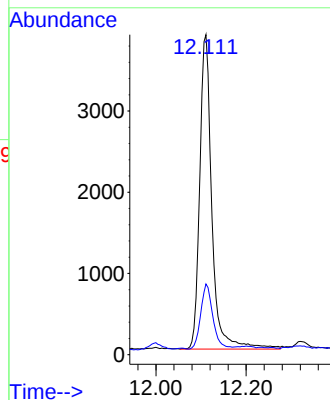
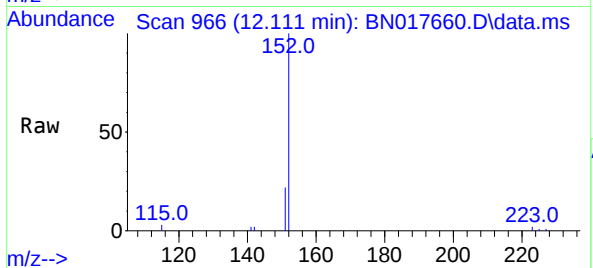
152 100

151 20.6 16.2 24.4

Manual Integrations

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#12

2-Methylnaphthalene

Concen: 0.043 ng

RT: 12.182 min Scan# 982

Delta R.T. -0.031 min

Lab File: BN017660.D

Acq: 01 Dec 2021 20:51

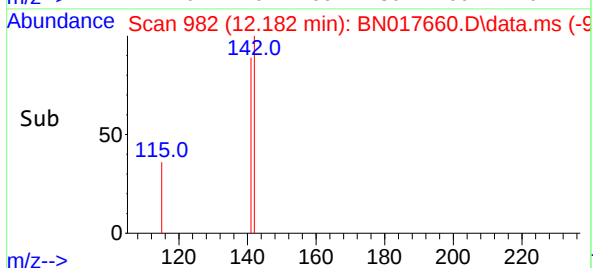
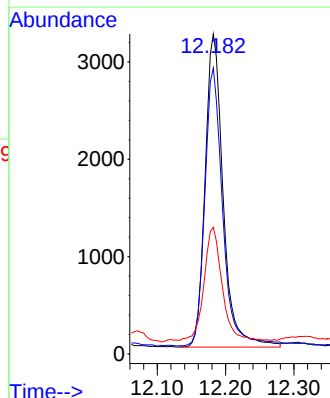
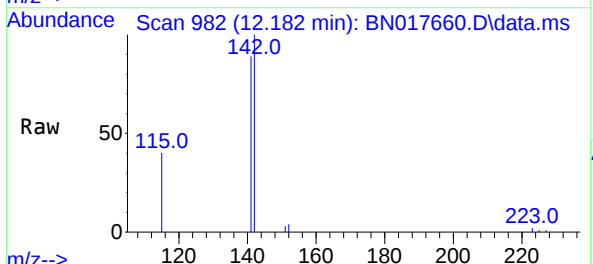
Tgt Ion:142 Resp: 5896

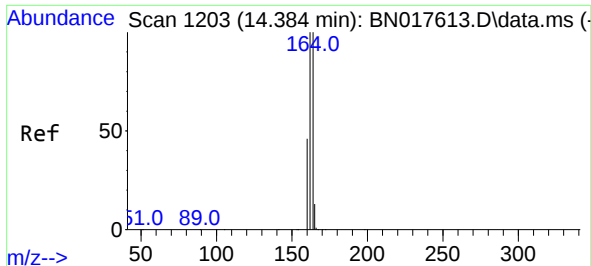
Ion Ratio Lower Upper

142 100

141 89.4 70.6 106.0

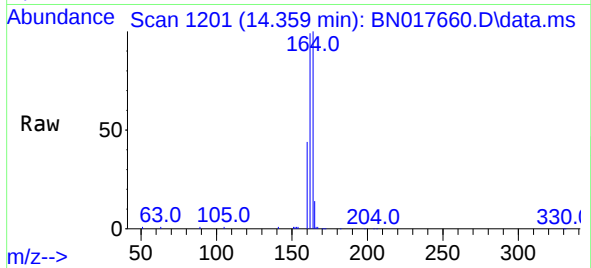
115 39.6 25.8 38.6#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.359 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

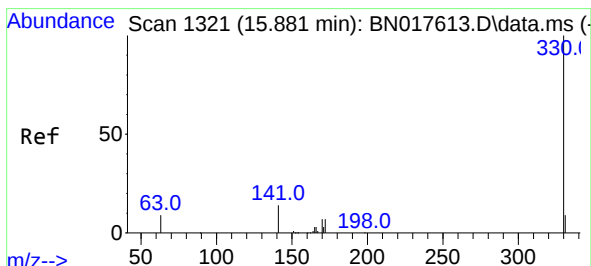
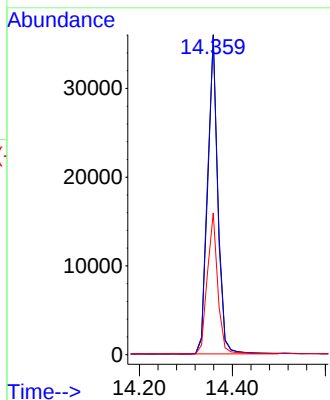
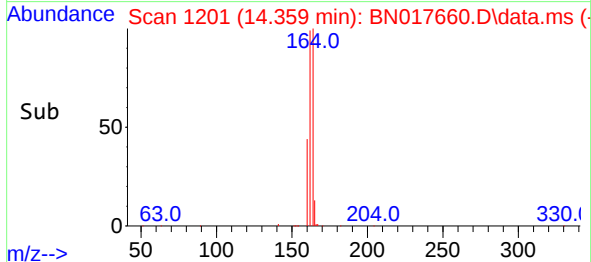
Instrument :
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ClientSampleId :
CS-4ADL



Tgt Ion:164 Resp: 54950
Ion Ratio Lower Upper
164 100
162 99.2 81.4 122.2
160 44.3 36.8 55.2

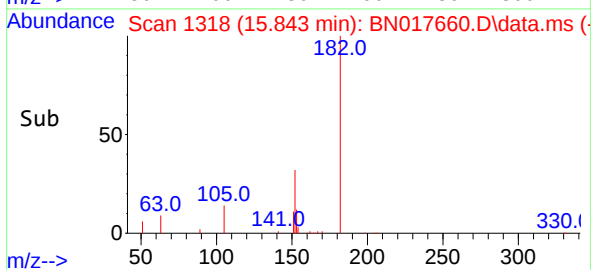
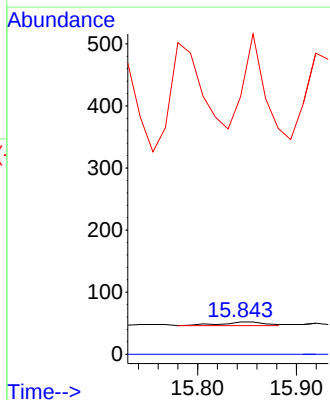
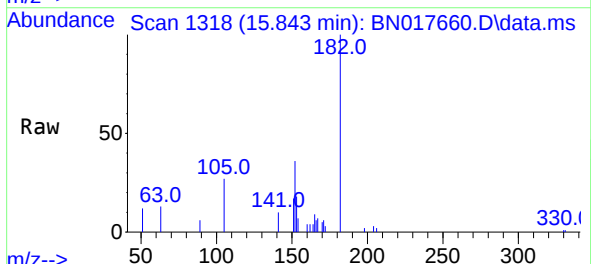
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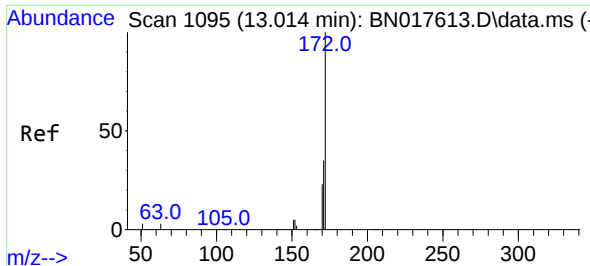
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.843 min Scan# 1318
Delta R.T. -0.025 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

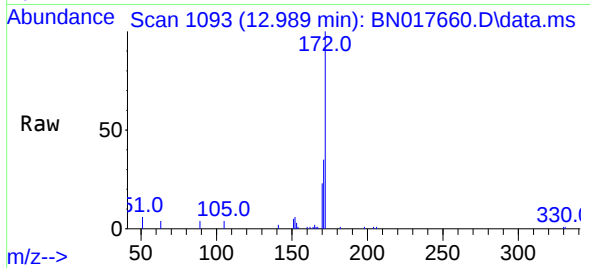
Tgt Ion:330 Resp: 20
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 1230.0 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 12.989 min Scan# 1178
Delta R.T. -0.025 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

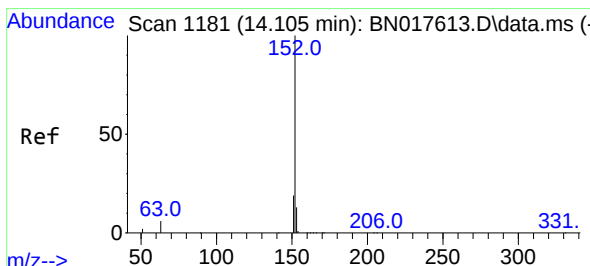
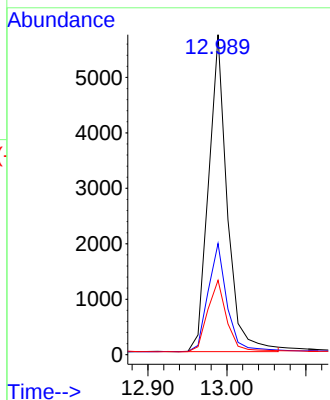
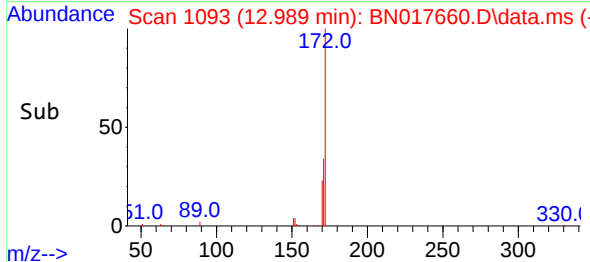
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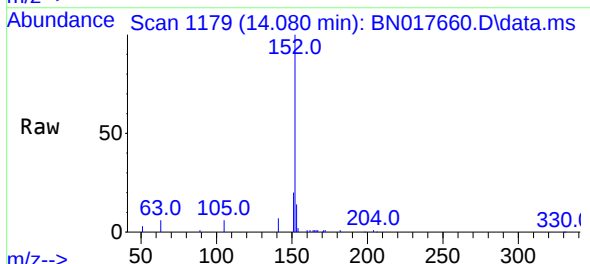
Tgt Ion:172 Resp: 942
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 23.2 19.4 29.2

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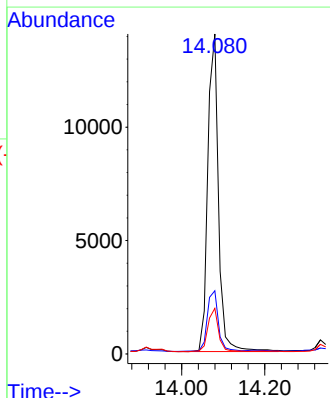
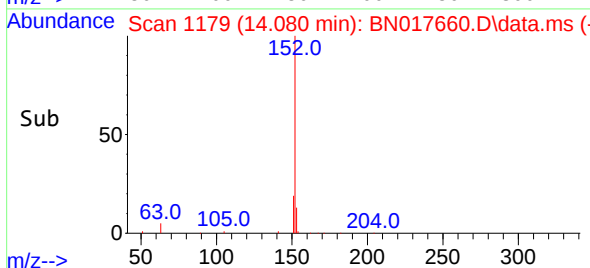
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

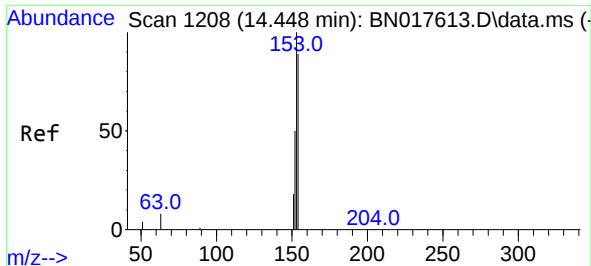


#16
Acenaphthylene
Concen: 0.117 ng
RT: 14.080 min Scan# 1179
Delta R.T. -0.025 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51



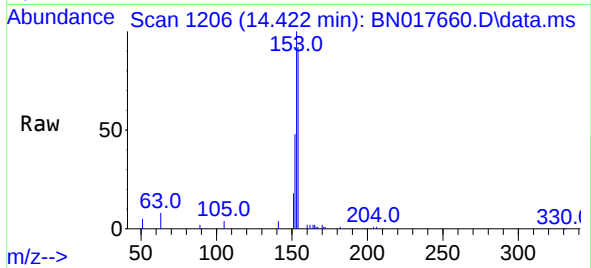
Tgt Ion:152 Resp: 24985
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 13.7 10.4 15.6





#17
Acenaphthene
Concen: 0.105 ng
RT: 14.422 min Scan# 1206
Delta R.T. -0.025 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

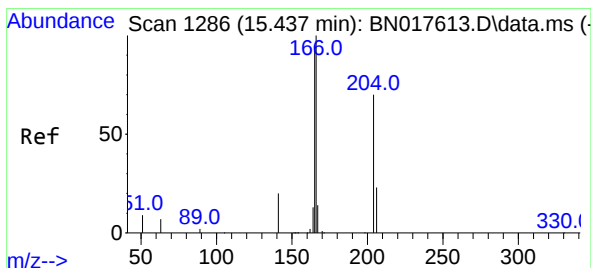
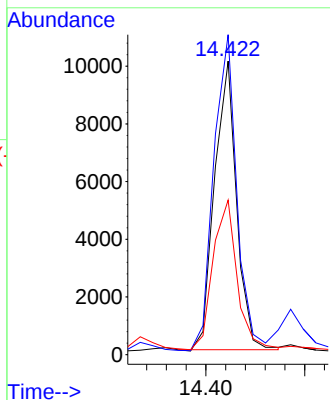
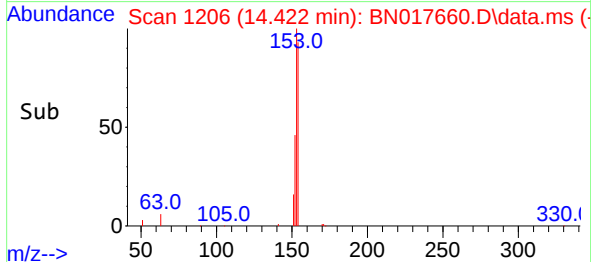
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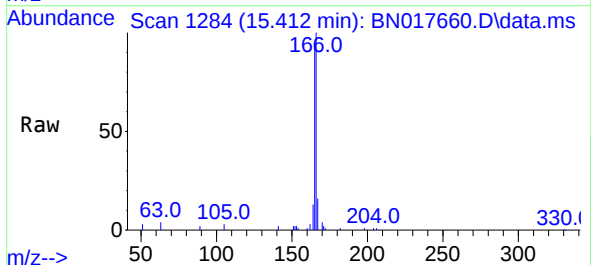
Tgt Ion:154 Resp: 1548
Ion Ratio Lower Upper
154 100
153 114.1 91.2 136.8
152 58.3 44.3 66.5

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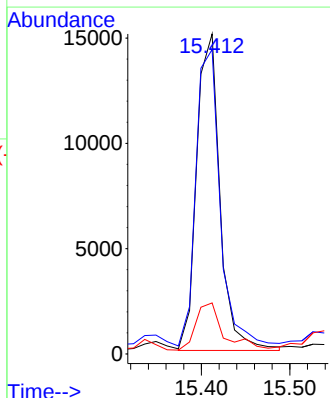
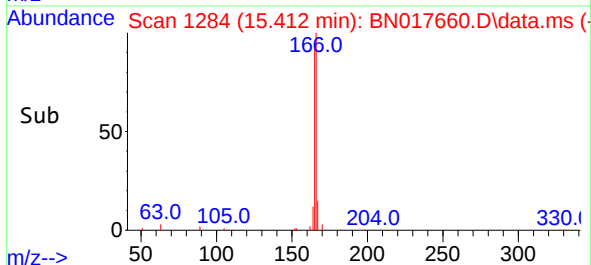
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

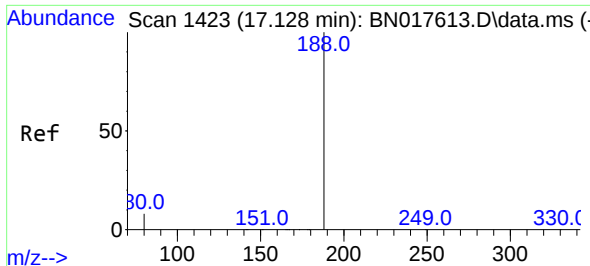


#18
Fluorene
Concen: 0.153 ng m
RT: 15.412 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51



Tgt Ion:166 Resp: 27518
Ion Ratio Lower Upper
166 100
165 97.0 77.9 116.9
167 17.8 10.9 16.3#





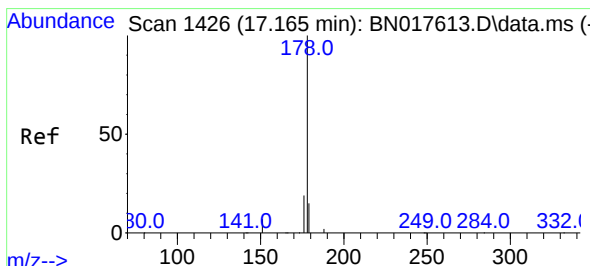
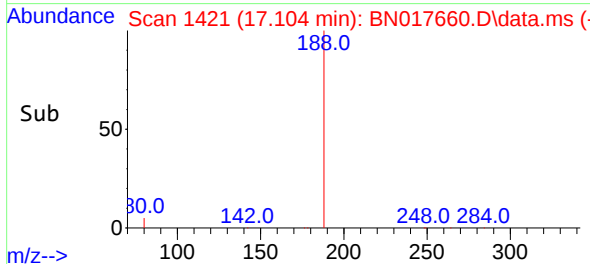
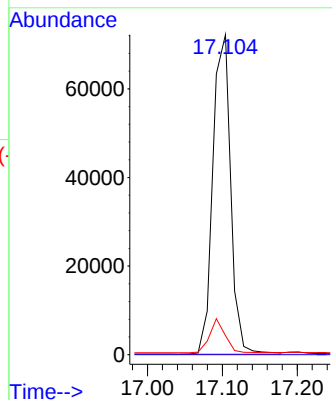
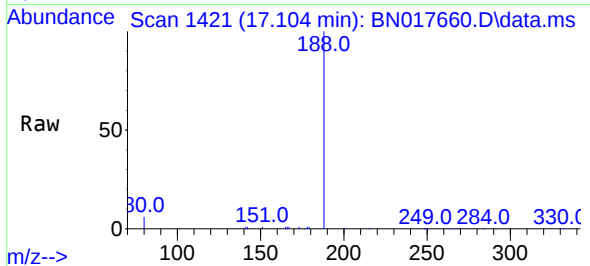
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Instrument :
BNA_N
ClientSampleId :
CS-4ADL

Tgt Ion:188 Resp: 119220
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.9 6.1 9.1

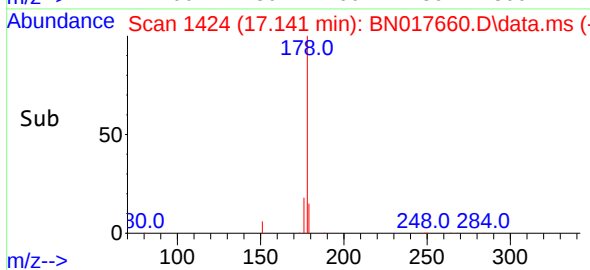
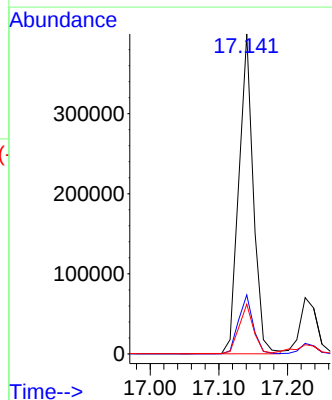
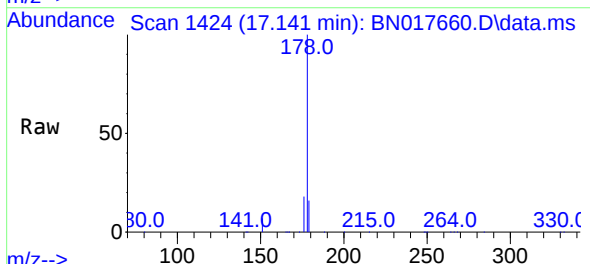
Manual Integrations
APPROVED

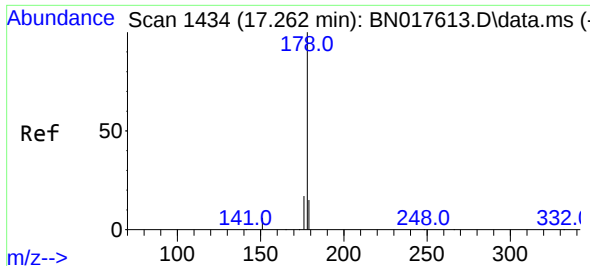
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#25
Phenanthrene
Concen: 1.792 ng
RT: 17.141 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

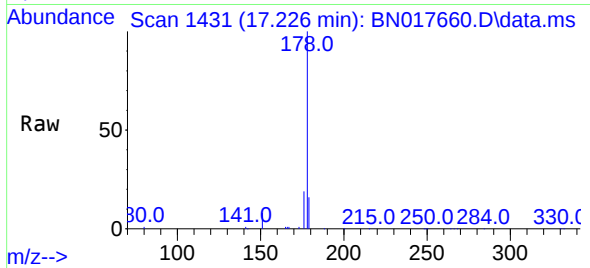
Tgt Ion:178 Resp: 585809
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.5 12.3 18.5





#26
 Anthracene
 Concen: 0.392 ng
 RT: 17.226 min Scan# 1434
 Delta R.T. -0.024 min
 Lab File: BN017660.D
 Acq: 01 Dec 2021 20:51

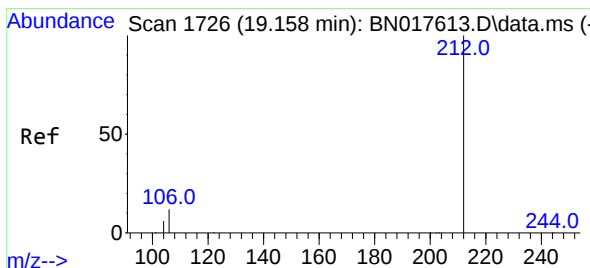
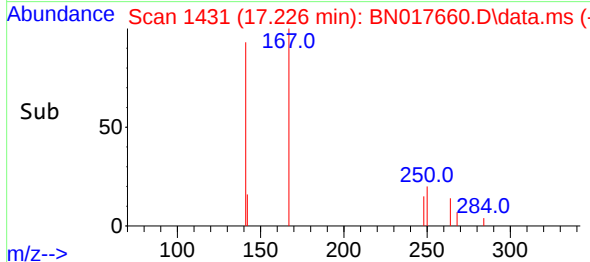
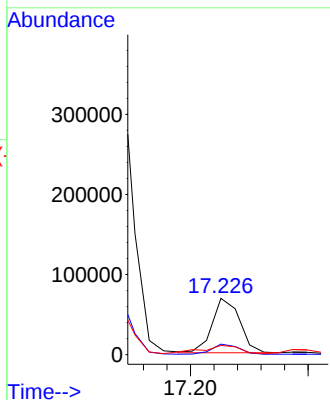
Instrument :
 BNA_N
 ClientSampleId :
 CS-4ADL



Tgt Ion:178 Resp: 110200
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.6 22.0
 179 20.5 12.2 18.4

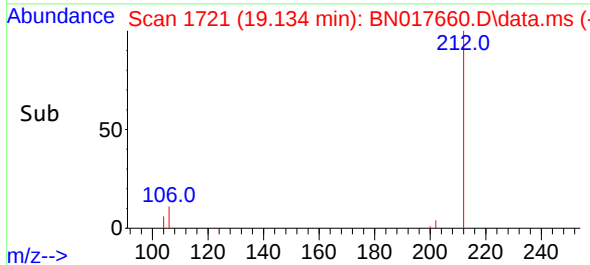
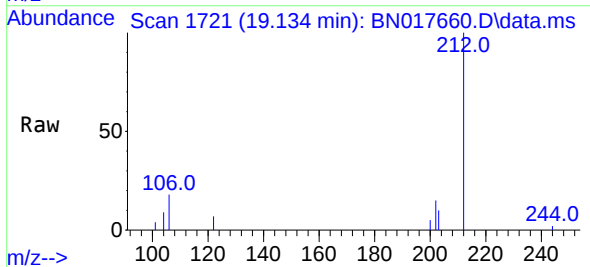
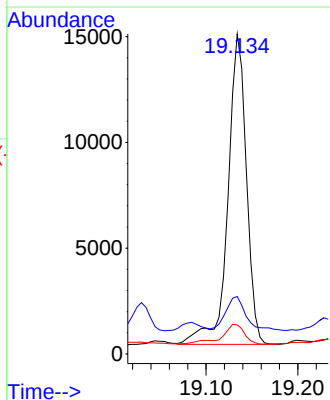
Manual Integrations
 APPROVED

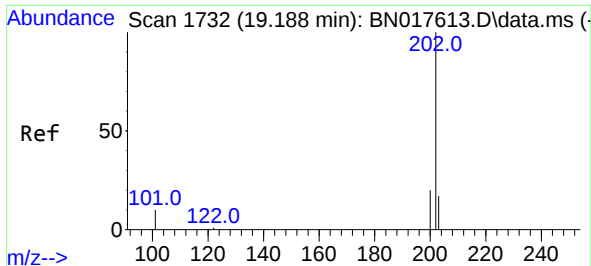
Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021



#27
 Fluoranthene-d10
 Concen: 0.056 ng
 RT: 19.134 min Scan# 1721
 Delta R.T. -0.020 min
 Lab File: BN017660.D
 Acq: 01 Dec 2021 20:51

Tgt Ion:212 Resp: 20697
 Ion Ratio Lower Upper
 212 100
 106 11.7 10.5 15.7
 104 7.9 5.8 8.6





#28
Fluoranthene
Concen: 2.897 ng
RT: 19.164 min Scan# 11
Delta R.T. -0.020 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Instrument :

BNA_N

ClientSampleId :

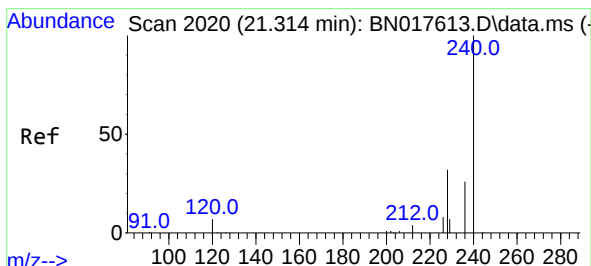
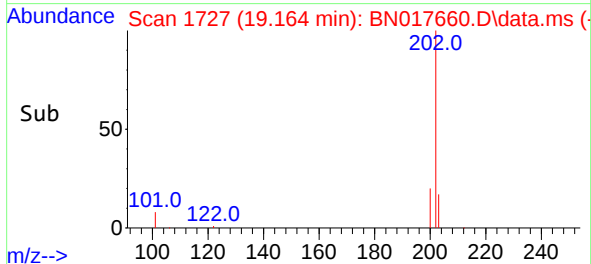
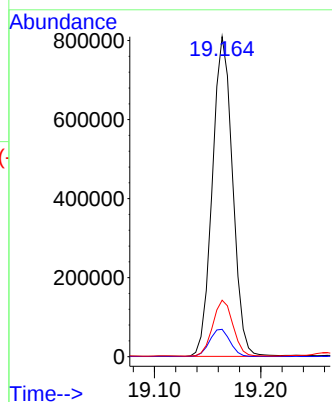
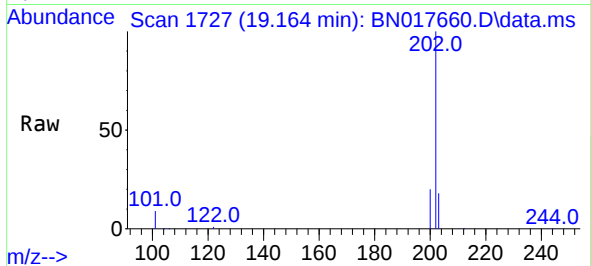
CS-4ADL

Tgt Ion:202 Resp: 1071929
Ion Ratio Lower Upper
202 100
101 8.7 8.9 13.3#
203 17.5 13.8 20.6

Manual Integrations

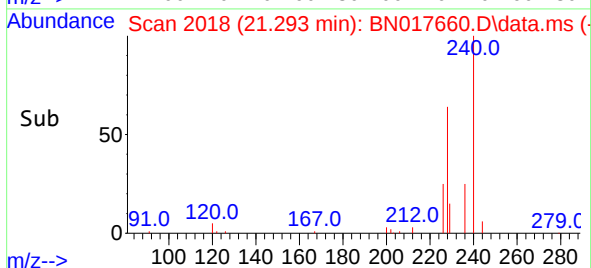
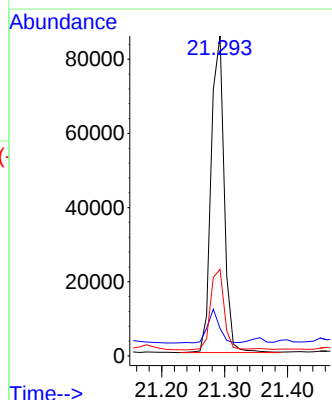
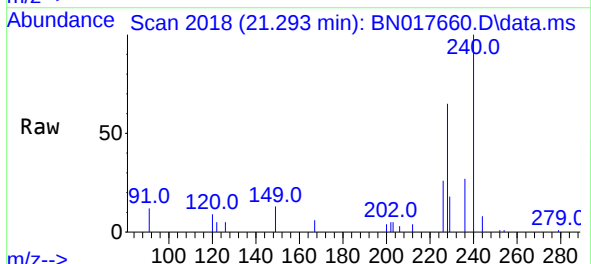
APPROVED

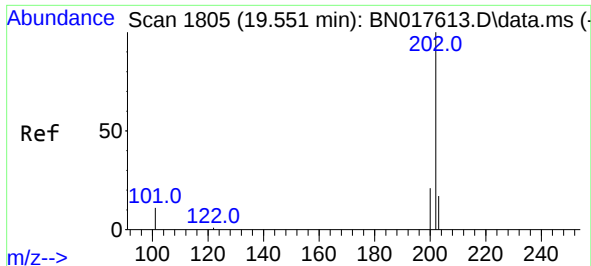
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

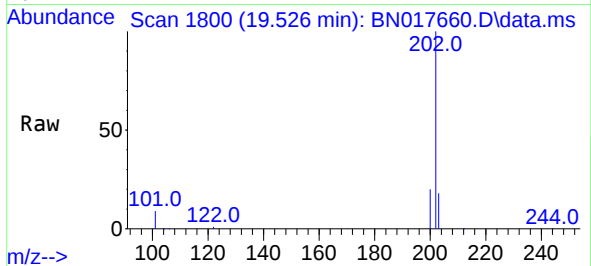
Tgt Ion:240 Resp: 122600
Ion Ratio Lower Upper
240 100
120 8.6 4.2 6.2#
236 27.0 20.0 30.0





#30
Pyrene
Concen: 2.285 ng
RT: 19.526 min Scan# 1800
Delta R.T. -0.020 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

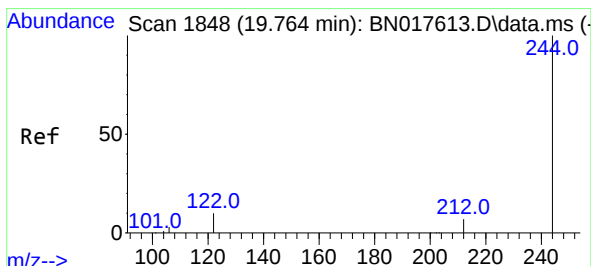
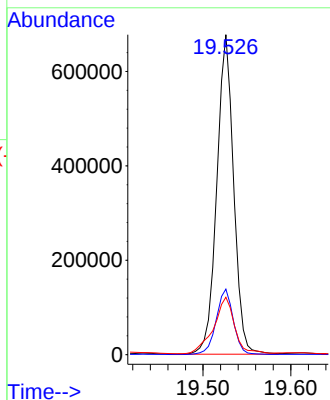
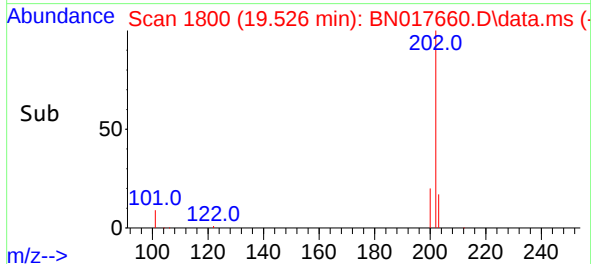
Instrument :
BNA_N
ClientSampleId :
CS-4ADL



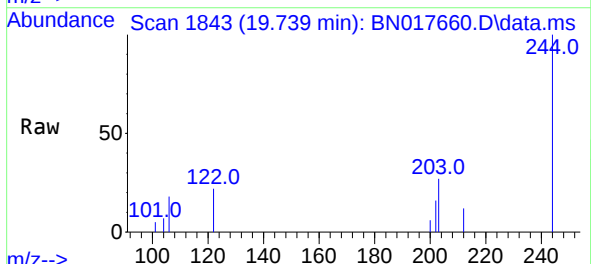
Tgt Ion:202 Resp: 90419
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 21.9 14.0 21.0

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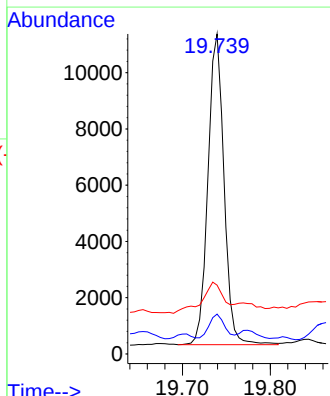
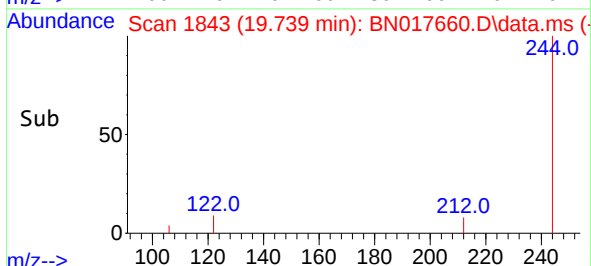
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

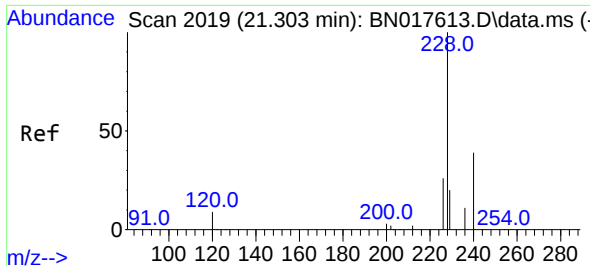


#31
Terphenyl-d14
Concen: 0.052 ng
RT: 19.739 min Scan# 1843
Delta R.T. -0.015 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51



Tgt Ion:244 Resp: 14000
Ion Ratio Lower Upper
244 100
212 12.4 5.7 8.5#
122 21.5 8.6 13.0#





#32
Benzo(a)anthracene
Concen: 1.451 ng
RT: 21.271 min Scan# 2021
Delta R.T. -0.021 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Instrument :

BNA_N

ClientSampleId :

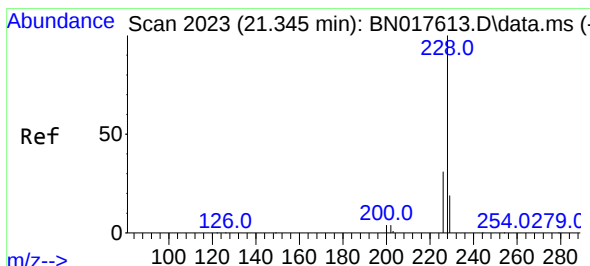
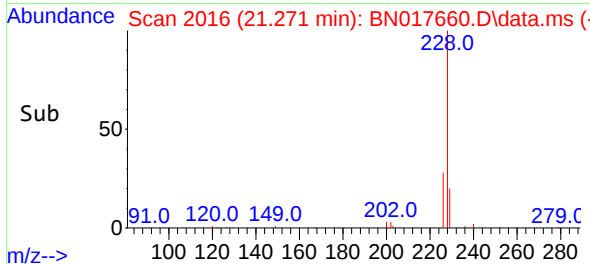
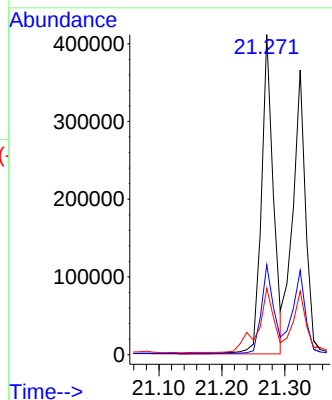
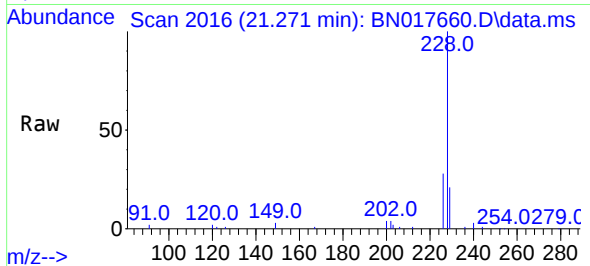
CS-4ADL

Tgt Ion:228 Resp: 54025
Ion Ratio Lower Upper
228 100
226 28.1 21.3 31.9
229 20.8 15.7 23.5

Manual Integrations

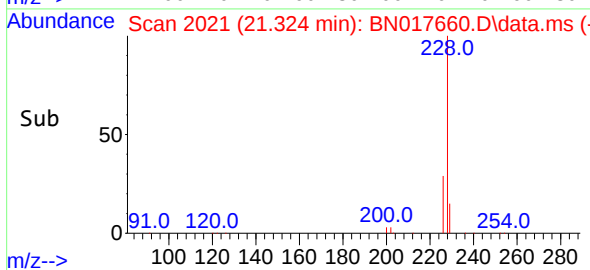
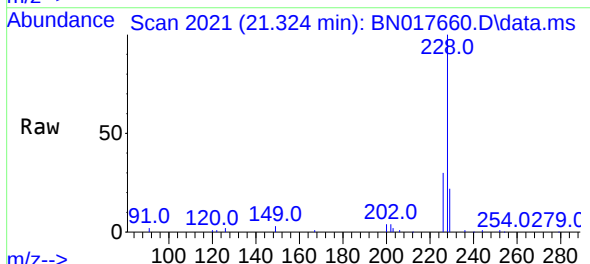
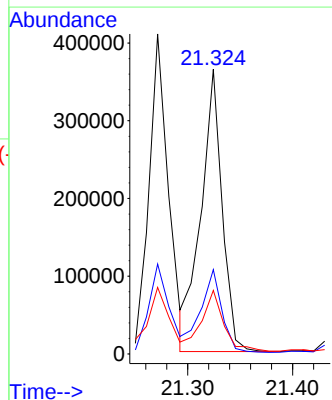
APPROVED

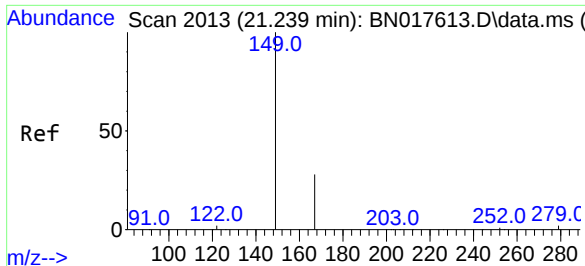
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#33
Chrysene
Concen: 1.255 ng
RT: 21.324 min Scan# 2021
Delta R.T. -0.010 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion:228 Resp: 508502
Ion Ratio Lower Upper
228 100
226 29.6 23.3 34.9
229 22.3 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 2.525 ng
RT: 21.218 min Scan# 2011
Delta R.T. -0.010 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Instrument :

BNA_N

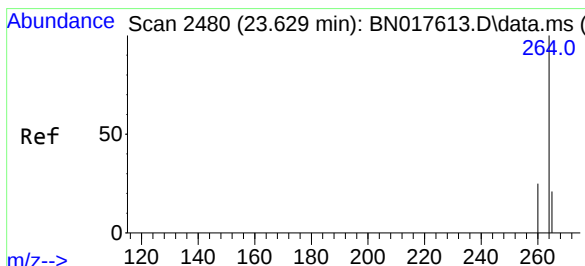
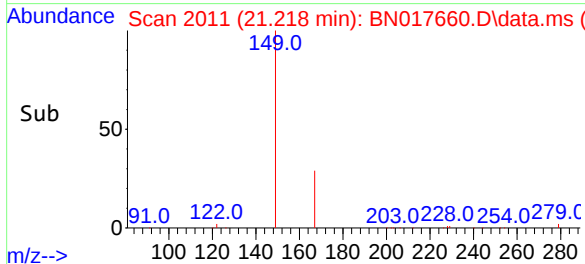
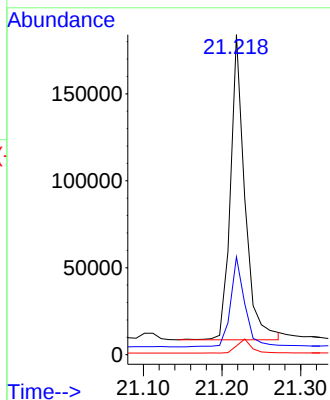
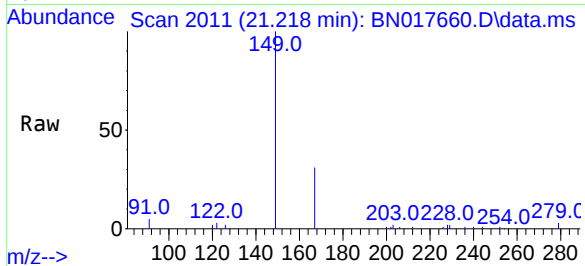
ClientSampleId :

CS-4ADL

Tgt Ion:149 Resp: 223052
Ion Ratio Lower Upper
149 100
167 29.1 21.8 32.6
279 4.7 3.4 5.0

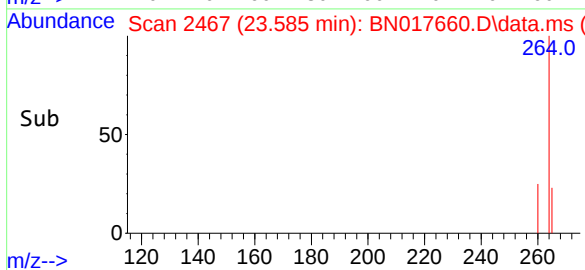
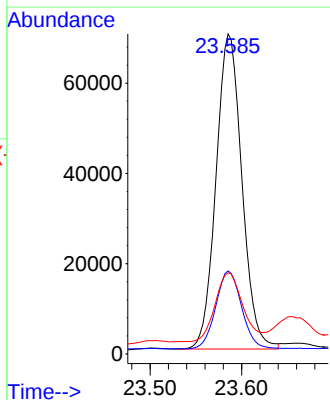
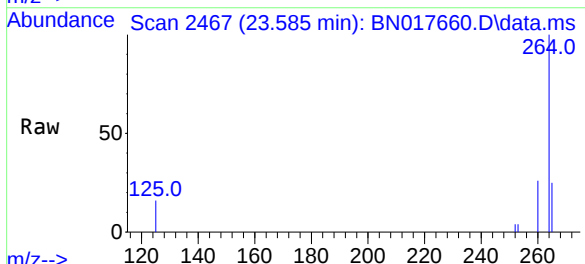
Manual Integrations
APPROVED

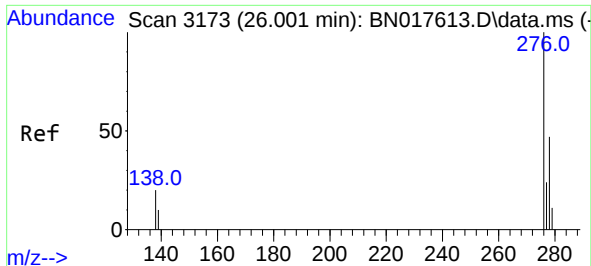
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.585 min Scan# 2467
Delta R.T. -0.024 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

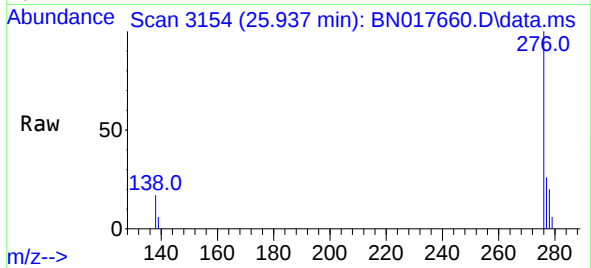
Tgt Ion:264 Resp: 137236
Ion Ratio Lower Upper
264 100
260 25.9 19.4 29.2
265 25.4 18.6 28.0





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.659 ng
RT: 25.937 min Scan# 3173
Delta R.T. -0.041 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

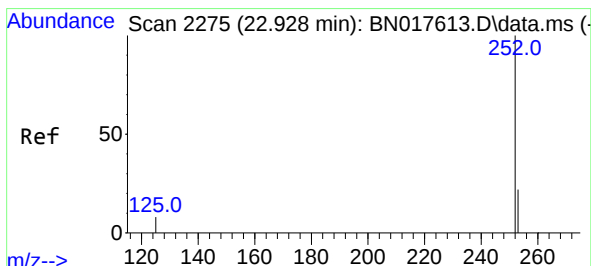
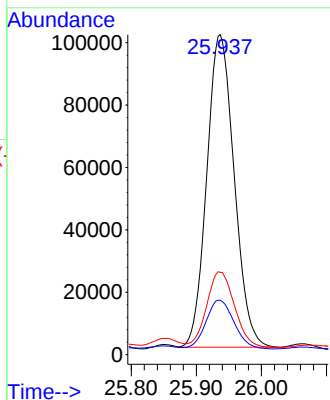
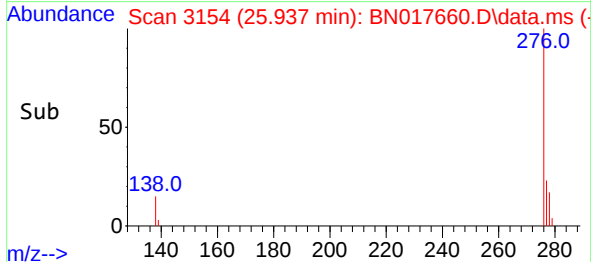
Instrument :
BNA_N
ClientSampleId :
CS-4ADL



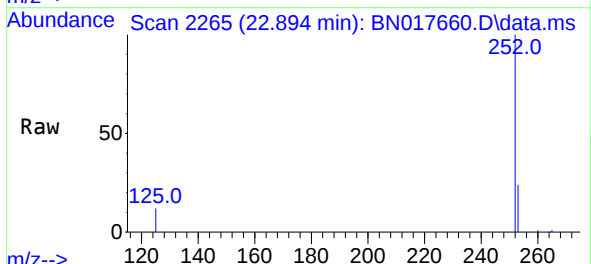
Tgt Ion:276 Resp: 293448
Ion Ratio Lower Upper
276 100
138 16.0 19.7 29.5
277 24.7 20.0 30.0

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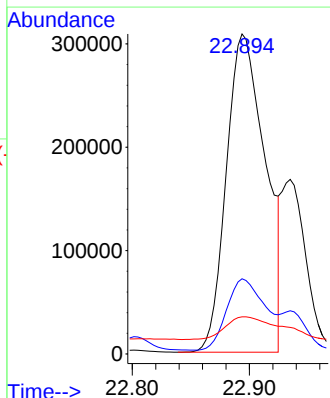
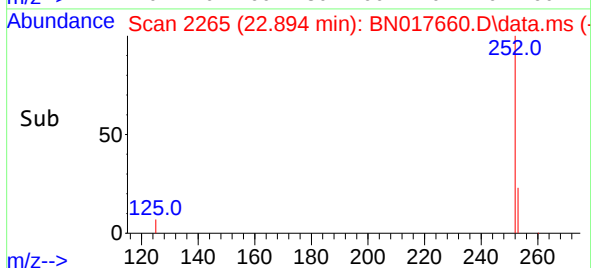
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

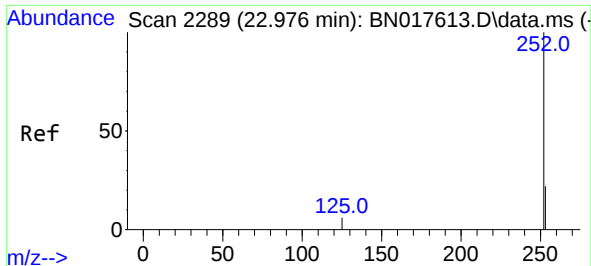


#37
Benzo(b)fluoranthene
Concen: 1.567 ng
RT: 22.894 min Scan# 2265
Delta R.T. -0.020 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51



Tgt Ion:252 Resp: 712946
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 11.6 7.8 11.8





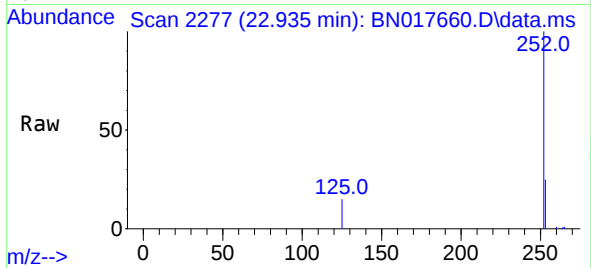
#38
Benzo(k)fluoranthene
Concen: 0.520 ng m
RT: 22.935 min Scan# 21
Delta R.T. -0.024 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Instrument :

BNA_N

ClientSampleId :

CS-4ADL

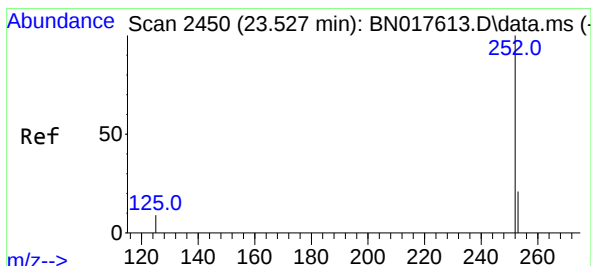
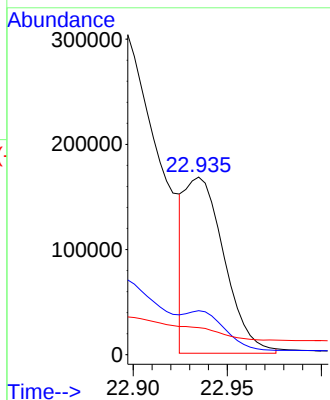
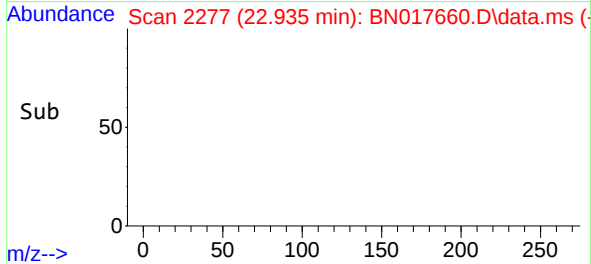


Tgt Ion:252 Resp: 242485
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 15.2 8.2 12.2

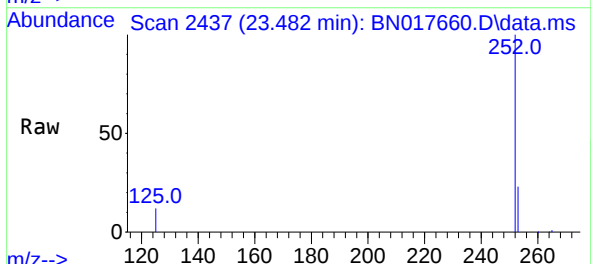
Manual Integrations

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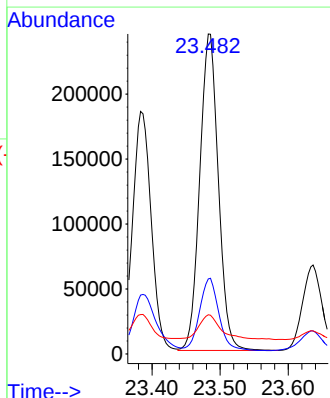
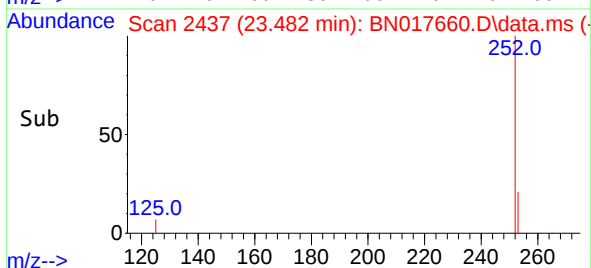
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

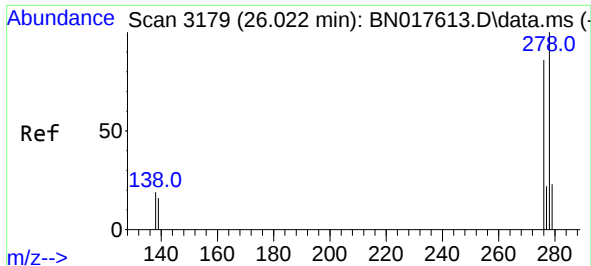


#39
Benzo(a)pyrene
Concen: 1.134 ng
RT: 23.482 min Scan# 2437
Delta R.T. -0.024 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51



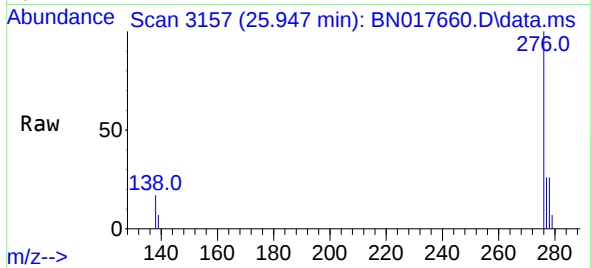
Tgt Ion:252 Resp: 461941
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 12.3 9.2 13.8





#40
Dibenzo(a,h)anthracene
Concen: 0.198 ng
RT: 25.947 min Scan# 3179
Delta R.T. -0.051 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

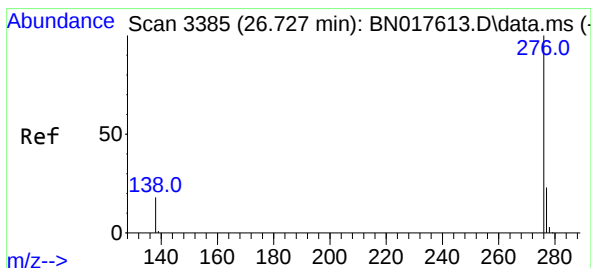
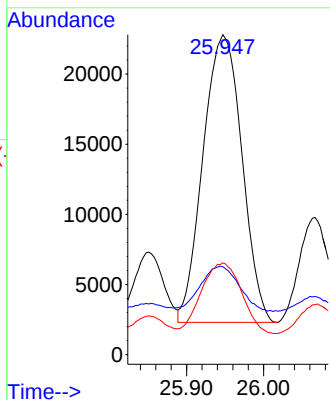
Instrument :
BNA_N
ClientSampleId :
CS-4ADL



Tgt Ion:278 Resp: 71930
Ion Ratio Lower Upper
278 100
139 27.5 13.0 19.6
279 28.7 19.2 28.8

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.739 ng
RT: 26.659 min Scan# 3365
Delta R.T. -0.037 min
Lab File: BN017660.D
Acq: 01 Dec 2021 20:51

Tgt Ion:276 Resp: 276683
Ion Ratio Lower Upper
276 100
277 25.9 19.0 28.4
138 17.3 17.1 25.7

