

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017657.D
 Acq On : 01 Dec 2021 19:03
 Operator : CG/JU
 Sample : M4862-03DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-2BDL

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 19:30:58 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	20777	0.400	ng	-0.04
7) Naphthalene-d8	10.522	136	88483	0.400	ng	#-0.03
13) Acenaphthene-d10	14.359	164	56346	0.400	ng	-0.03
19) Phenanthrene-d10	17.104	188	123919	0.400	ng	#-0.01
29) Chrysene-d12	21.292	240	130820	0.400	ng	-0.01
35) Perylene-d12	23.585	264	146926	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	886	0.019	ng	-0.03
5) Phenol-d6	6.915	99	1790	0.036	ng	-0.03
8) Nitrobenzene-d5	8.874	82	2182	0.058	ng	-0.04
11) 2-Methylnaphthalene-d10	12.111	152	7877	0.051	ng	-0.03
14) 2,4,6-Tribromophenol	15.856	330	113	0.128	ng	-0.01
15) 2-Fluorobiphenyl	12.988	172	10358	0.047	ng	-0.03
27) Fluoranthene-d10	19.134	212	22051	0.057	ng	-0.02
31) Terphenyl-d14	19.739	244	15511	0.054	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.560	128	43705	0.196	ng	99
12) 2-Methylnaphthalene	12.182	142	12248	0.083	ng	97
16) Acenaphthylene	14.080	152	41736	0.190	ng	99
17) Acenaphthene	14.422	154	11629	0.077	ng	98
18) Fluorene	15.412	166	35214	0.191	ng	98
25) Phenanthrene	17.140	178	770297	2.266	ng	100
26) Anthracene	17.226	178	108994	0.373	ng	# 91
28) Fluoranthene	19.163	202	1082065	2.813	ng	97
30) Pyrene	19.526	202	837970	1.984	ng	98
32) Benzo(a)anthracene	21.271	228	440577	1.109	ng	97
33) Chrysene	21.324	228	455641	1.054	ng	97
34) Bis(2-ethylhexyl)phtha...	21.218	149	27806	0.295	ng	99
36) Indeno(1,2,3-cd)pyrene	25.936	276	306041	0.641	ng	# 91
37) Benzo(b)fluoranthene	22.890	252	622547	1.278	ng	99
38) Benzo(k)fluoranthene	22.935	252	229456m	0.459	ng	
39) Benzo(a)pyrene	23.482	252	368829	0.846	ng	98
40) Dibenzo(a,h)anthracene	25.943	278	73395	0.188	ng	# 89
41) Benzo(g,h,i)perylene	26.659	276	292848	0.730	ng	# 94

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

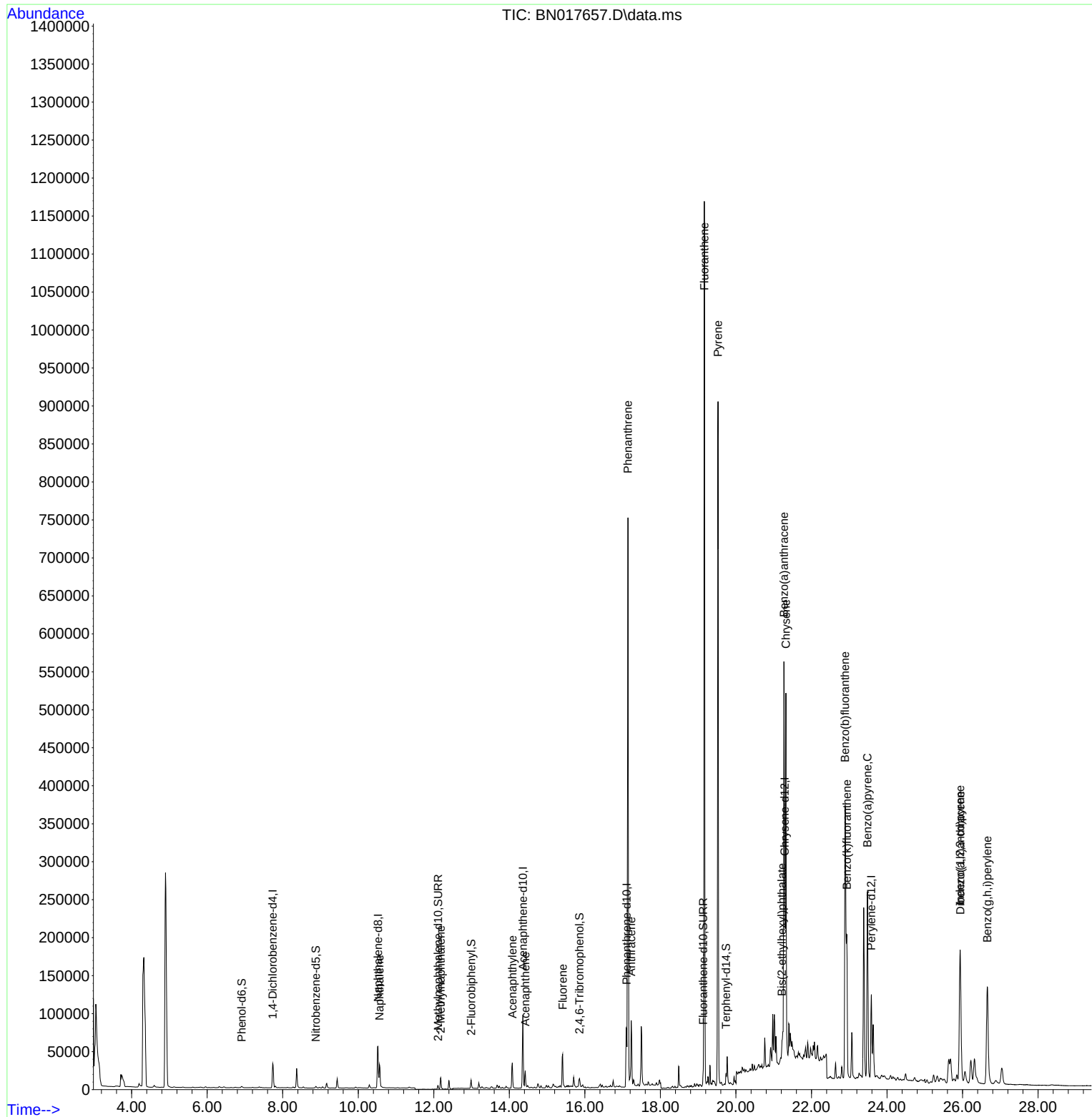
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
Data File : BN017657.D
Acq On : 01 Dec 2021 19:03
Operator : CG/JU
Sample : M4862-03DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

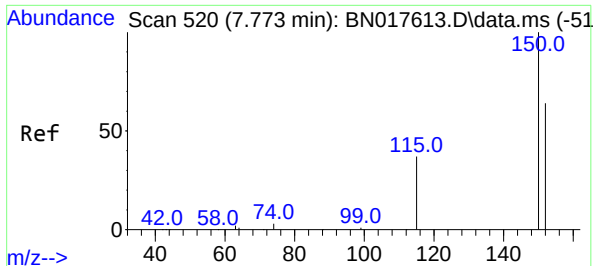
Instrument :
BNA_N
ClientSampleId :
CS-2BDL

Quant Time: Dec 01 19:30:58 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
APPROVED

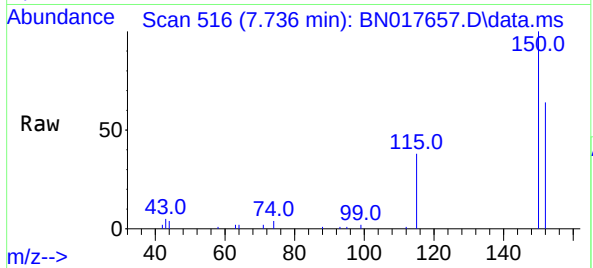
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 516
Delta R.T. -0.037 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

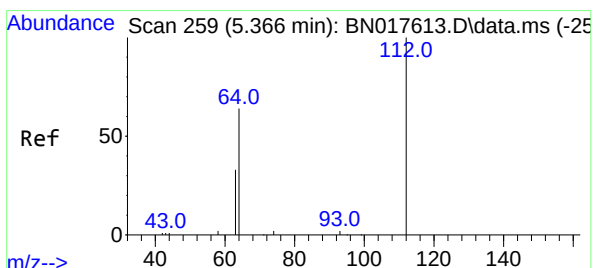
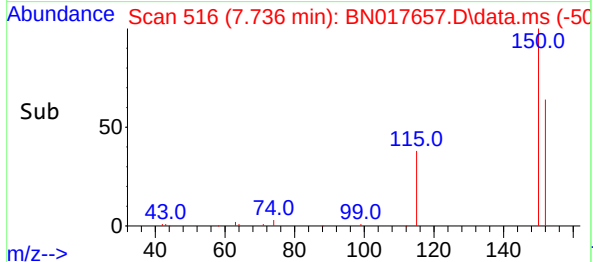
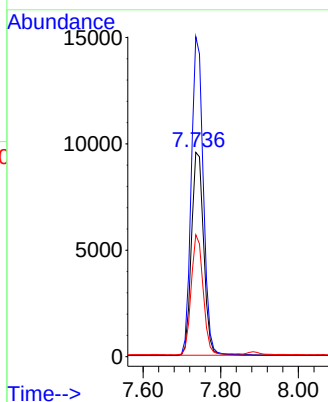
Instrument :
BNA_N
ClientSampleId :
CS-2BDL



Tgt Ion:152 Resp: 2077
Ion Ratio Lower Upper
152 100
150 156.6 123.0 184.4
115 59.6 45.6 68.4

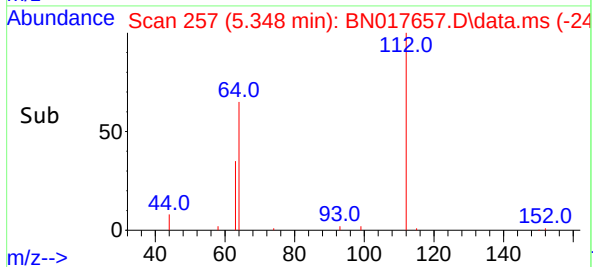
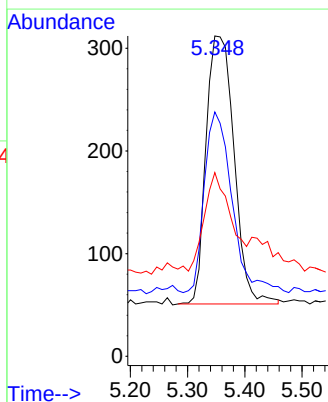
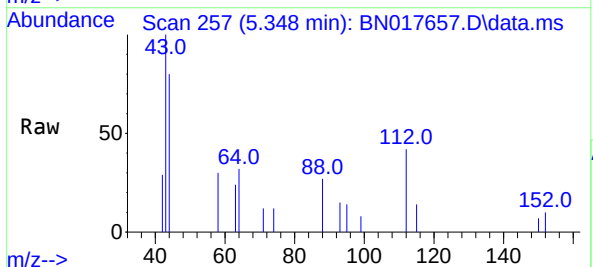
Manual Integrations
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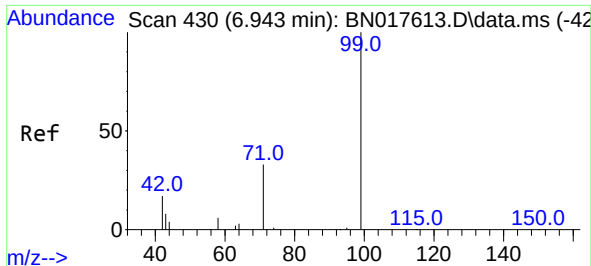
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#4
2-Fluorophenol
Concen: 0.019 ng
RT: 5.348 min Scan# 257
Delta R.T. -0.028 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

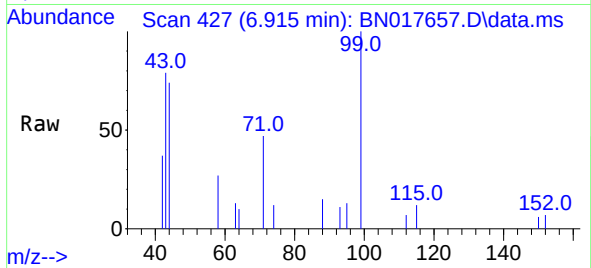
Tgt Ion:112 Resp: 886
Ion Ratio Lower Upper
112 100
64 66.0 47.6 71.4
63 33.7 24.6 37.0





#5
Phenol-d6
Concen: 0.036 ng
RT: 6.915 min Scan# 41
Delta R.T. -0.028 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

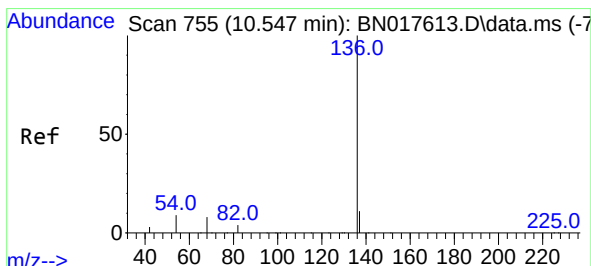
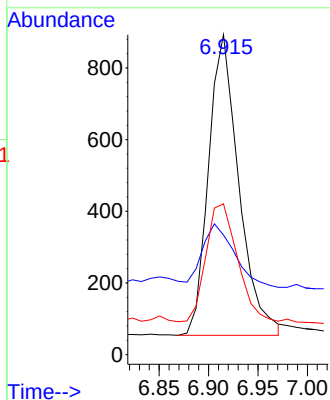
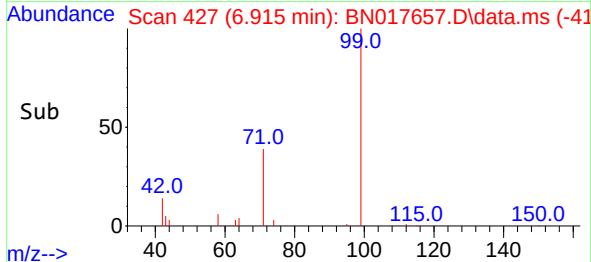
Instrument :
BNA_N
ClientSampleId :
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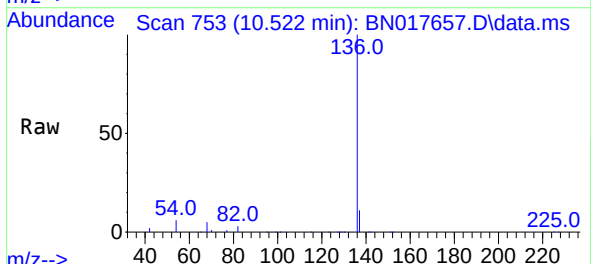
Tgt Ion: 99 Resp: 1790
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 40.6 24.8 37.2

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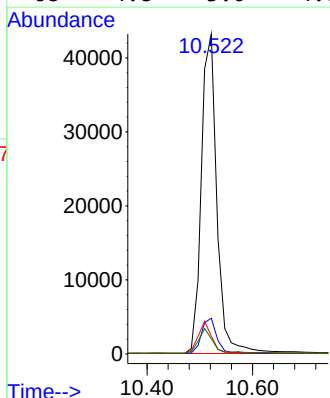
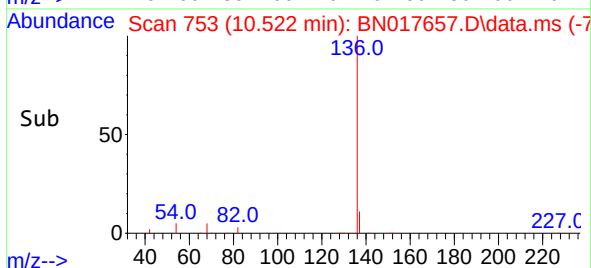
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

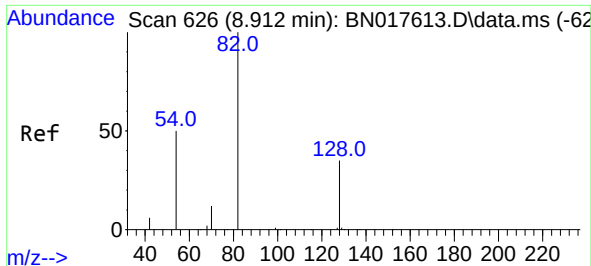


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 753
Delta R.T. -0.025 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03



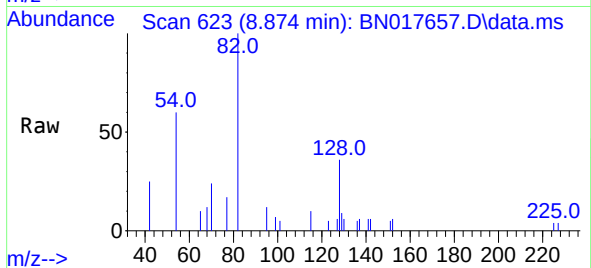
Tgt Ion:136 Resp: 88483
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 5.6 4.0 6.0
68 4.8 3.0 4.6





#8
Nitrobenzene-d5
Concen: 0.058 ng
RT: 8.874 min Scan# 61
Delta R.T. -0.038 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

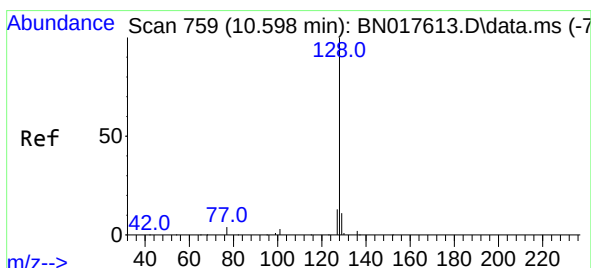
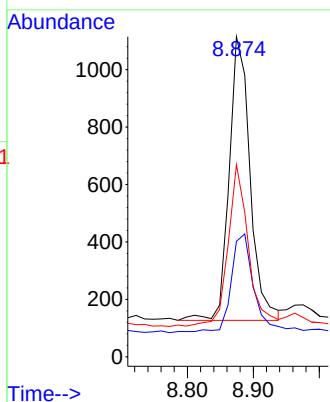
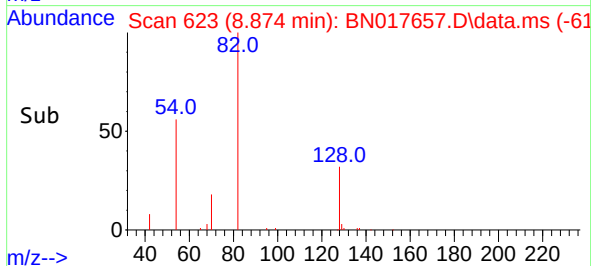
Instrument :
BNA_N
ClientSampleId :
CS-2BDL



Tgt Ion: 82 Resp: 218
Ion Ratio Lower Upper
82 100
128 36.1 27.7 41.5
54 60.0 49.2 73.8

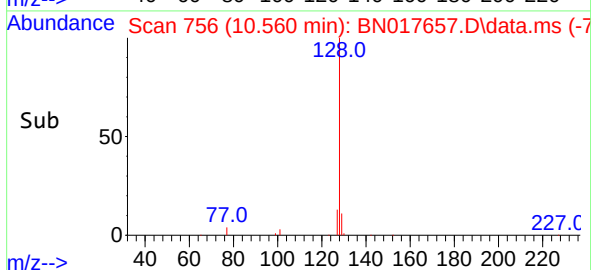
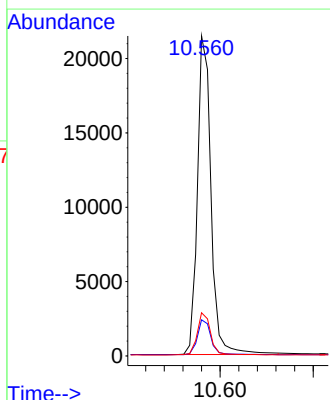
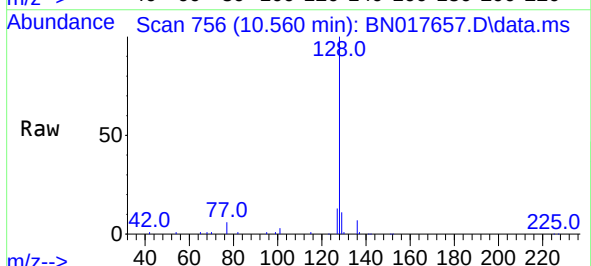
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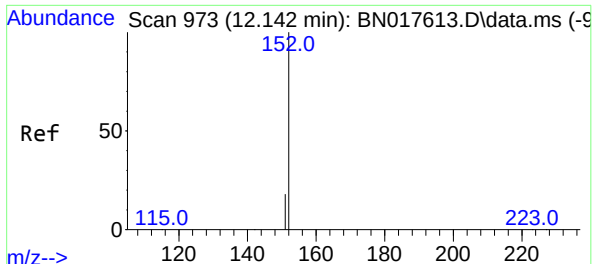
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#9
Naphthalene
Concen: 0.196 ng
RT: 10.560 min Scan# 756
Delta R.T. -0.038 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

Tgt Ion:128 Resp: 43705
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.5 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.051 ng

RT: 12.111 min Scan# 90

Delta R.T. -0.027 min

Lab File: BN017657.D

Acq: 01 Dec 2021 19:03

Instrument :

BNA_N

ClientSampleId :

CS-2BDL

Tgt Ion:152 Resp: 787

Ion Ratio Lower Upper

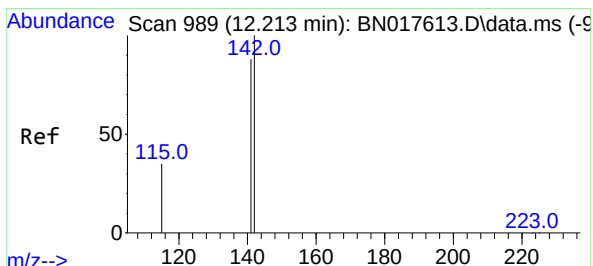
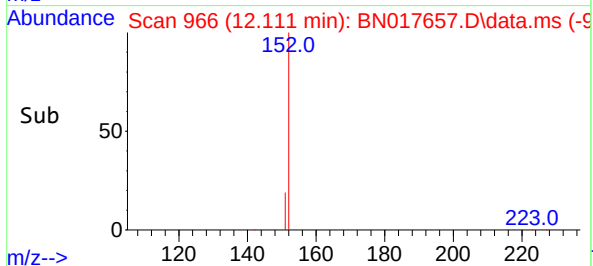
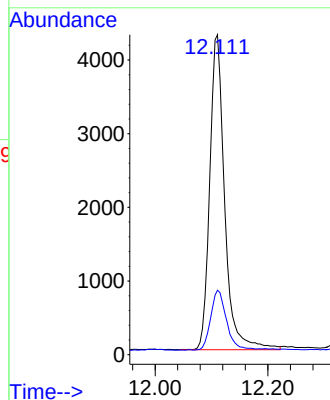
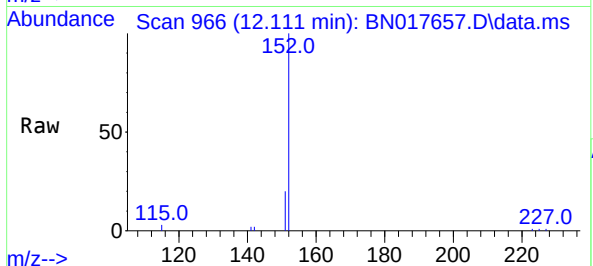
152 100

151 20.0 16.2 24.4

Manual Integrations

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



#12

2-Methylnaphthalene

Concen: 0.083 ng

RT: 12.182 min Scan# 982

Delta R.T. -0.031 min

Lab File: BN017657.D

Acq: 01 Dec 2021 19:03

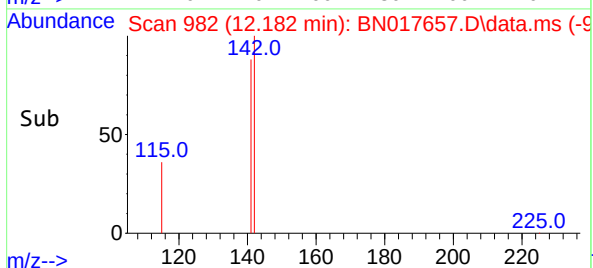
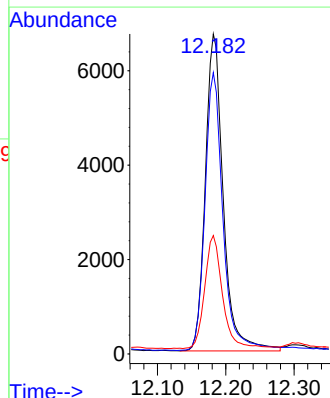
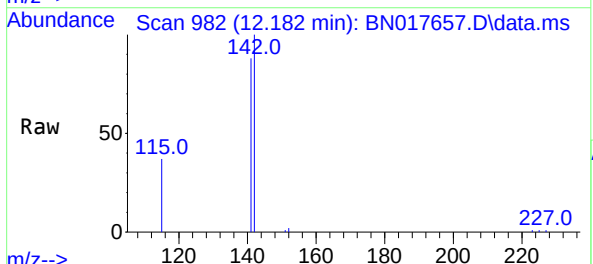
Tgt Ion:142 Resp: 12248

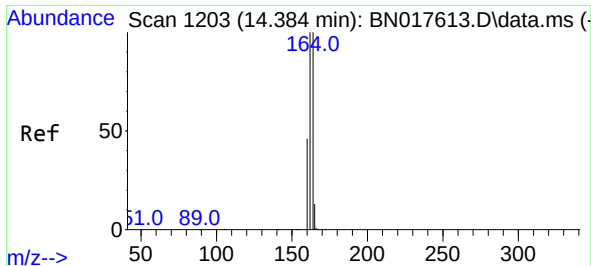
Ion Ratio Lower Upper

142 100

141 87.9 70.6 106.0

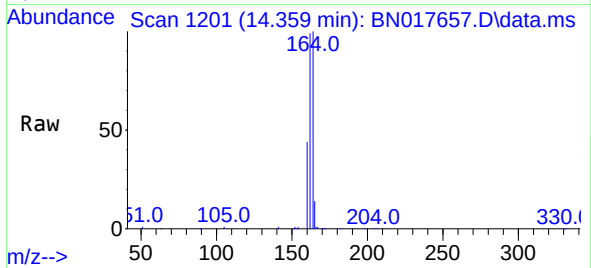
115 37.0 25.8 38.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.359 min Scan# 1319
Delta R.T. -0.025 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

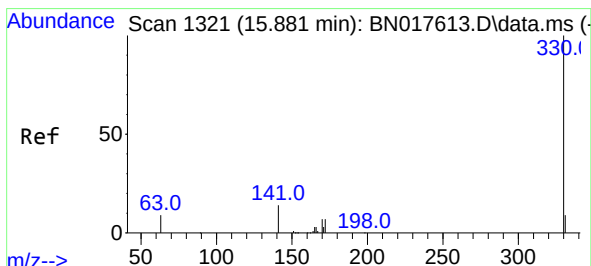
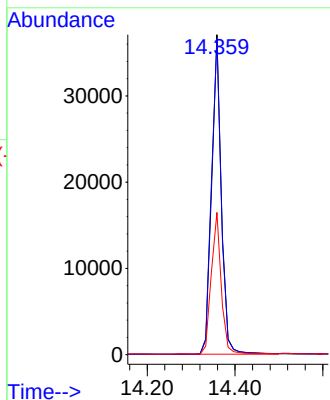
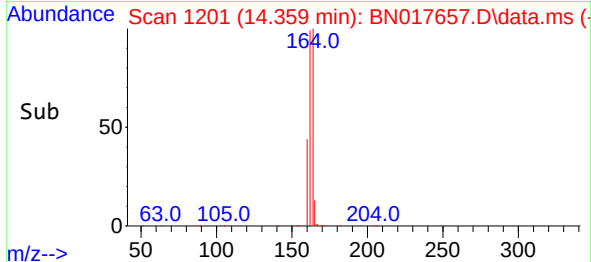
Instrument :
BNA_N
ClientSampleId :
CS-2BDL



Tgt Ion:164 Resp: 56340
Ion Ratio Lower Upper
164 100
162 98.8 81.4 122.2
160 44.4 36.8 55.2

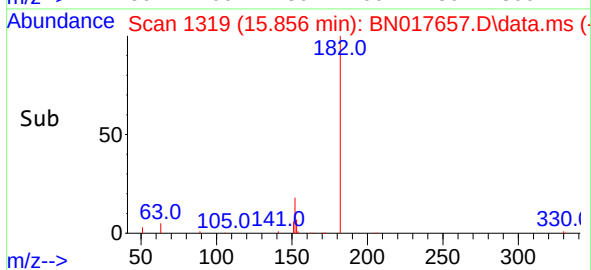
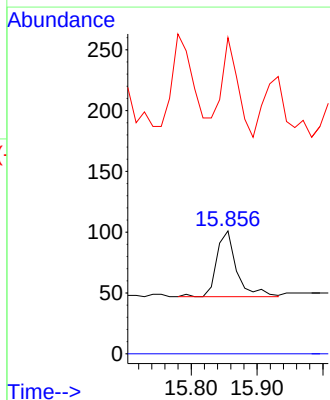
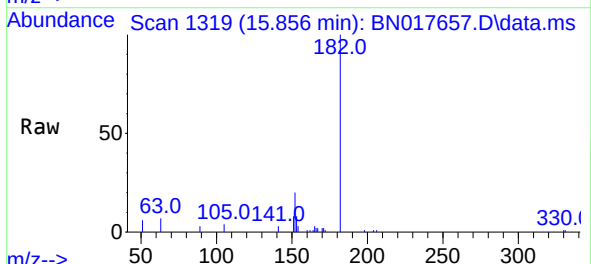
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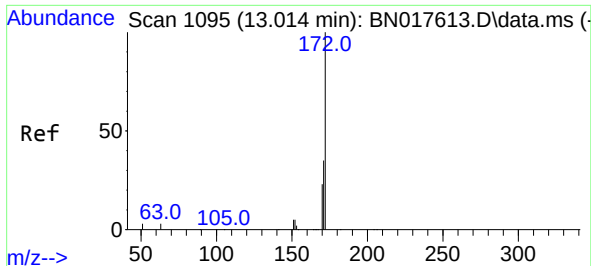
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#14
2,4,6-Tribromophenol
Concen: 0.128 ng
RT: 15.856 min Scan# 1319
Delta R.T. -0.013 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

Tgt Ion:330 Resp: 113
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 119.5 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.047 ng
RT: 12.988 min Scan# 1095
Delta R.T. -0.025 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

Instrument :

BNA_N

ClientSampleId :

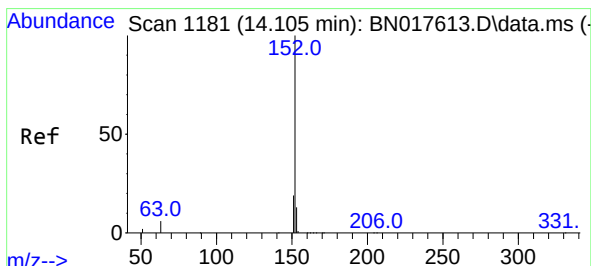
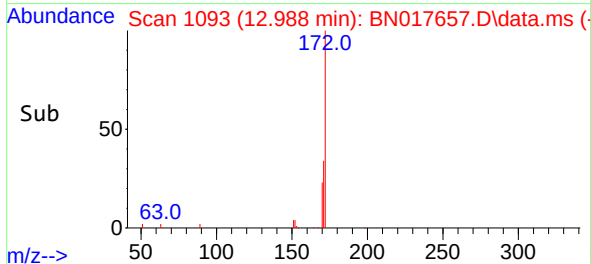
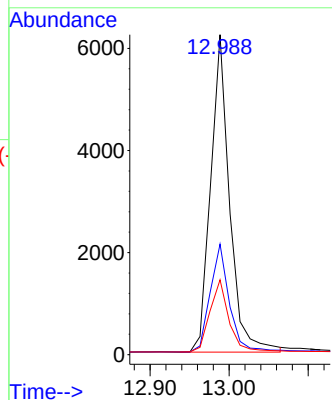
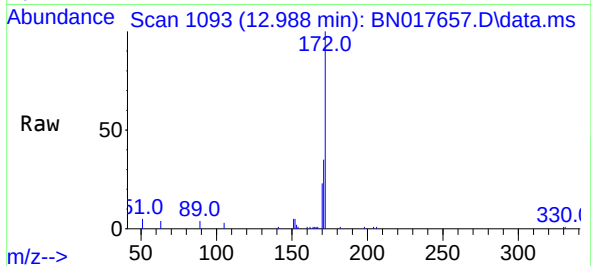
CS-2BDL

Tgt Ion:172 Resp: 10358
Ion Ratio Lower Upper
172 100
171 34.6 28.7 43.1
170 23.4 19.4 29.2

Manual Integrations

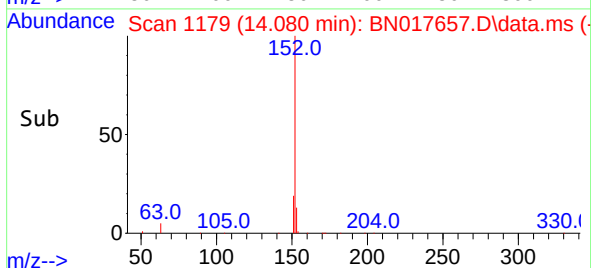
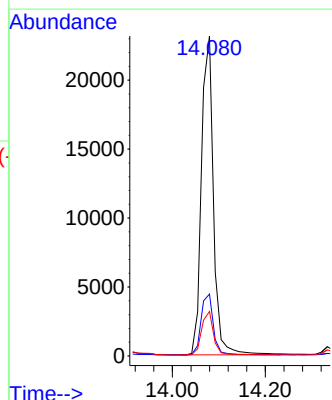
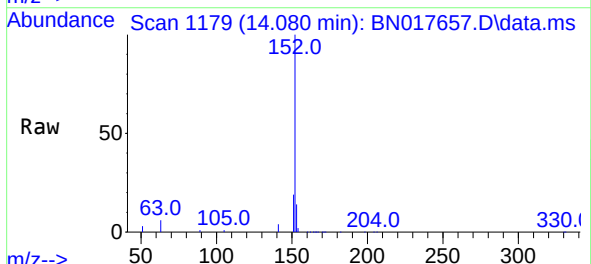
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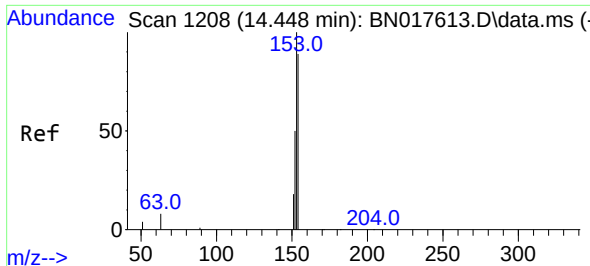
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#16
Acenaphthylene
Concen: 0.190 ng
RT: 14.080 min Scan# 1179
Delta R.T. -0.025 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

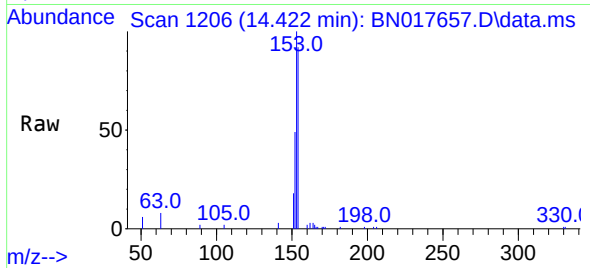
Tgt Ion:152 Resp: 41736
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 13.6 10.4 15.6





#17
Acenaphthene
Concen: 0.077 ng
RT: 14.422 min Scan# 11629
Delta R.T. -0.025 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

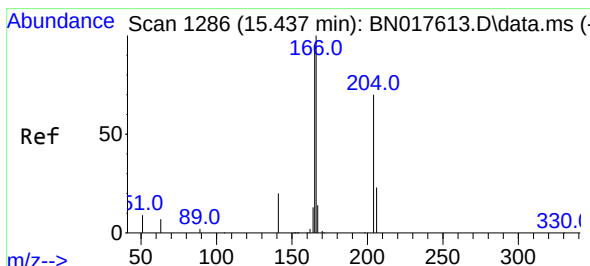
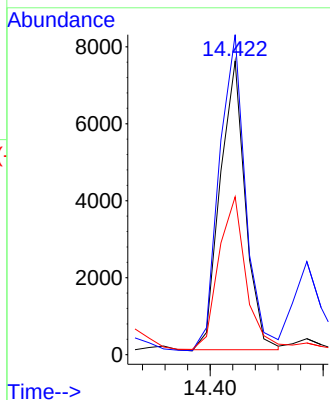
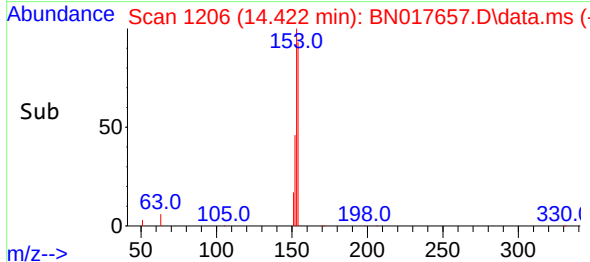
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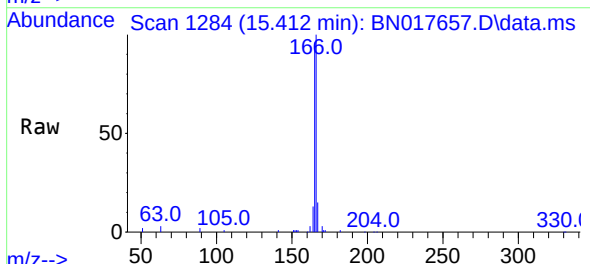
Tgt Ion:154 Resp: 11629
Ion Ratio Lower Upper
154 100
153 114.2 91.2 136.8
152 60.2 44.3 66.5

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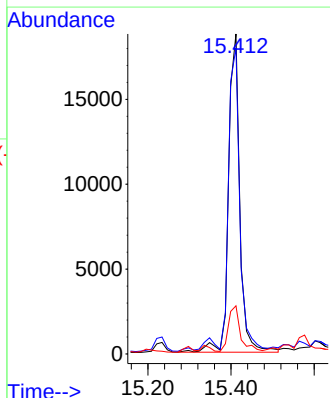
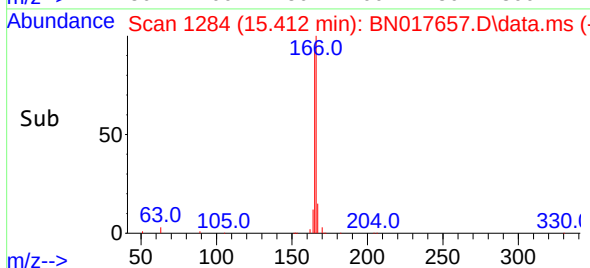
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

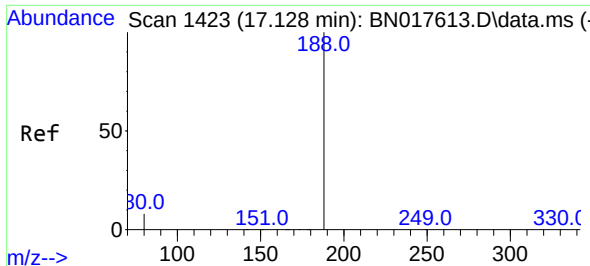


#18
Fluorene
Concen: 0.191 ng
RT: 15.412 min Scan# 1284
Delta R.T. -0.013 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03



Tgt Ion:166 Resp: 35214
Ion Ratio Lower Upper
166 100
165 99.6 77.9 116.9
167 15.2 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: BN017657.D
Acq: 01 Dec 2021 19:03

Instrument :

BNA_N

ClientSampleId :

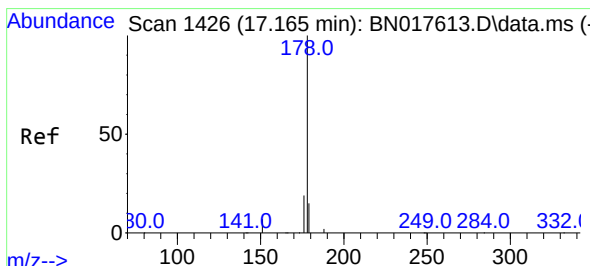
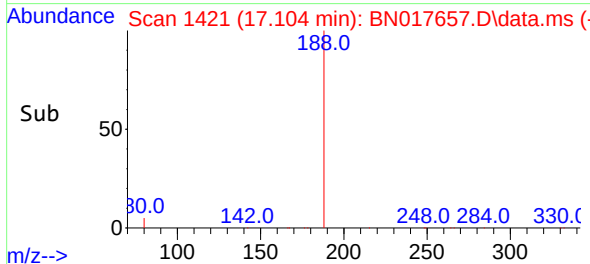
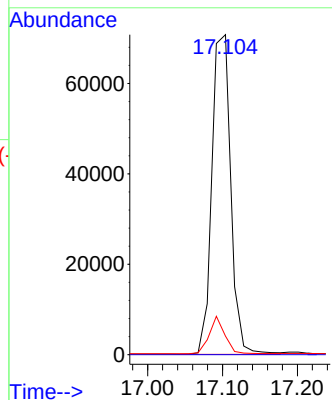
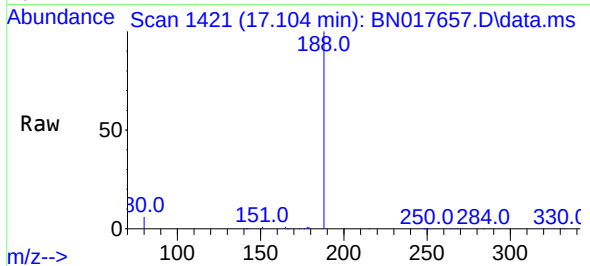
CS-2BDL

Tgt Ion:188 Resp: 123919
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.8 6.1 9.1

Manual Integrations

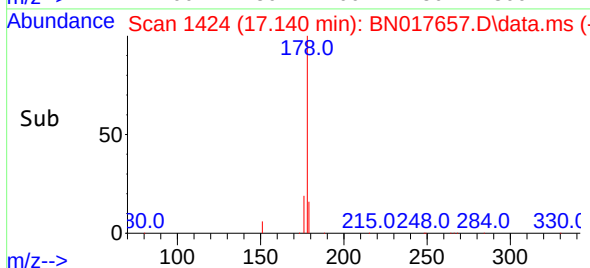
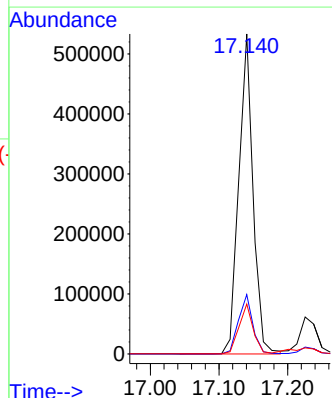
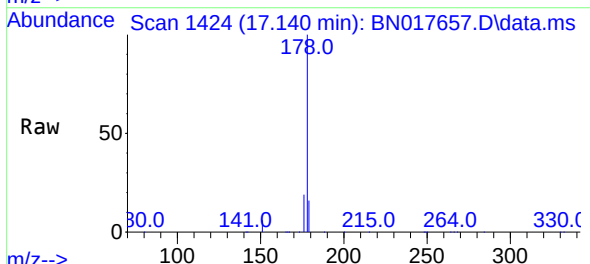
APPROVED

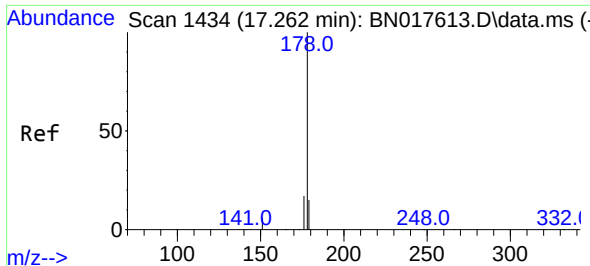
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#25
Phenanthrene
Concen: 2.266 ng
RT: 17.140 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

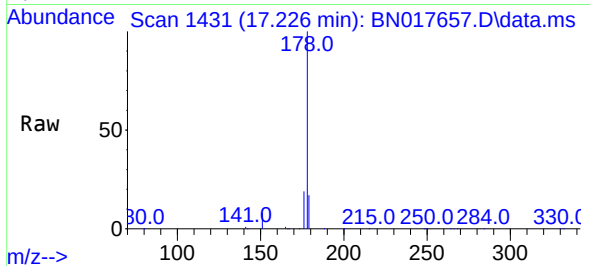
Tgt Ion:178 Resp: 770297
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.5 12.3 18.5





#26
 Anthracene
 Concen: 0.373 ng
 RT: 17.226 min Scan# 1434
 Delta R.T. -0.024 min
 Lab File: BN017657.D
 Acq: 01 Dec 2021 19:03

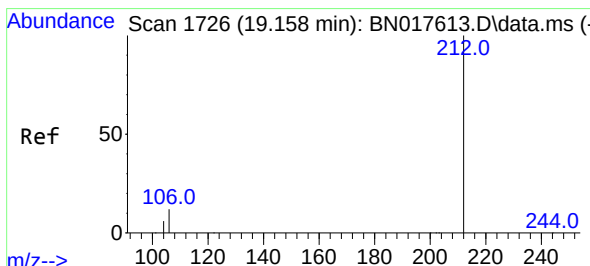
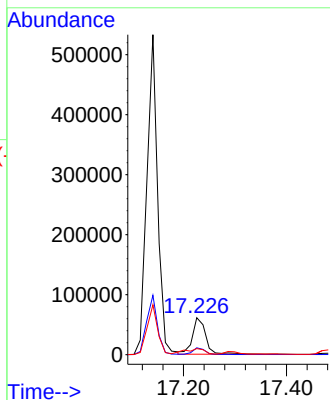
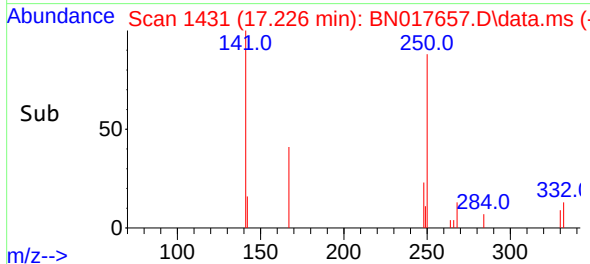
Instrument :
 BNA_N
 ClientSampleId :
 CS-2BDL



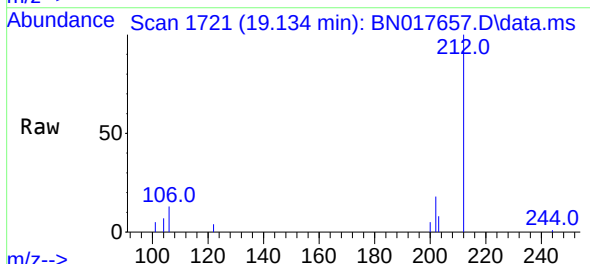
Tgt Ion:178 Resp: 108994
 Ion Ratio Lower Upper
 178 100
 176 17.1 14.6 22.0
 179 22.1 12.2 18.4

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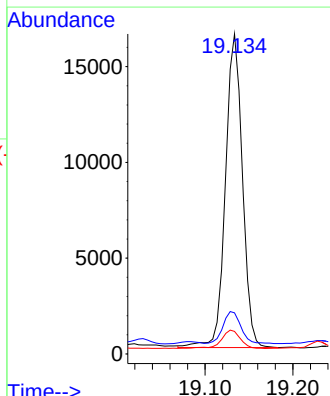
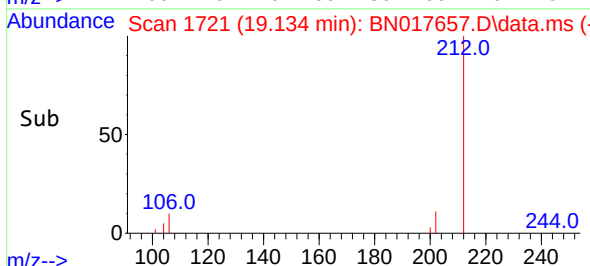
Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021

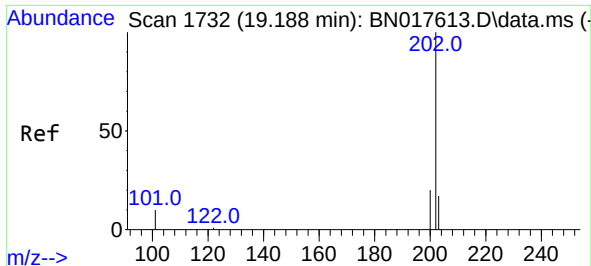


#27
 Fluoranthene-d10
 Concen: 0.057 ng
 RT: 19.134 min Scan# 1721
 Delta R.T. -0.020 min
 Lab File: BN017657.D
 Acq: 01 Dec 2021 19:03



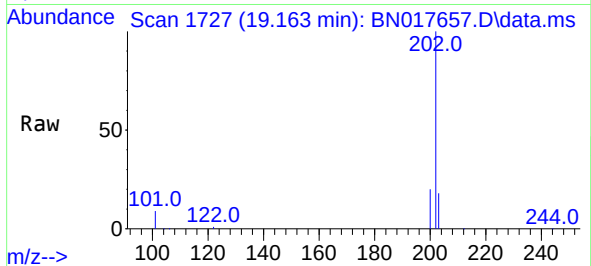
Tgt Ion:212 Resp: 22051
 Ion Ratio Lower Upper
 212 100
 106 10.7 10.5 15.7
 104 6.6 5.8 8.6





#28
Fluoranthene
Concen: 2.813 ng
RT: 19.163 min Scan# 11
Delta R.T. -0.020 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

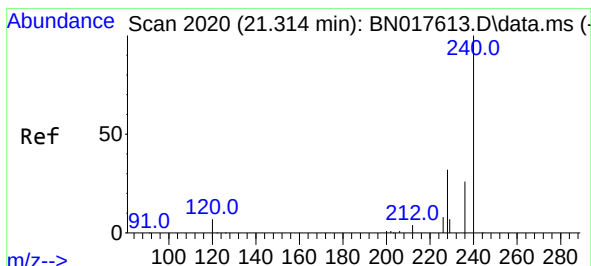
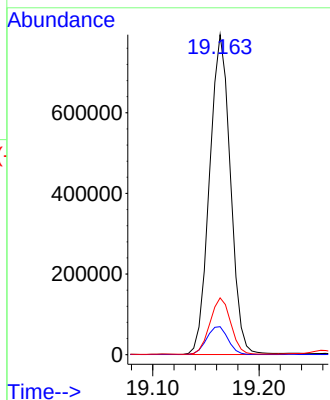
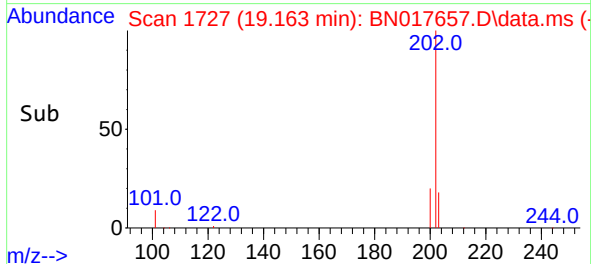
Instrument :
BNA_N
ClientSampleId :
CS-2BDL



Tgt Ion:202 Resp: 108206
Ion Ratio Lower Upper
202 100
101 8.9 8.9 13.3
203 17.5 13.8 20.6

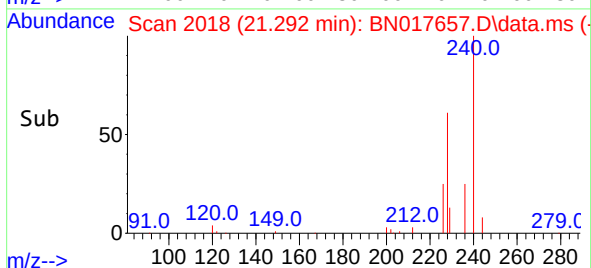
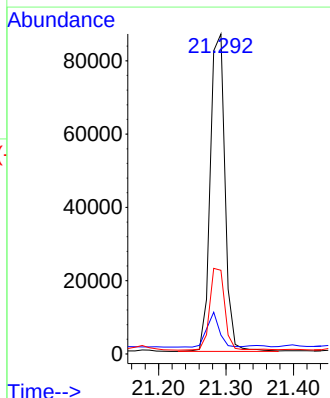
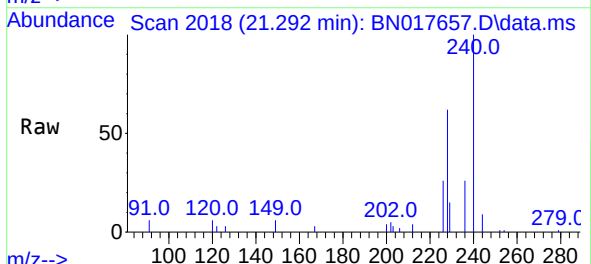
Manual Integrations
APPROVED

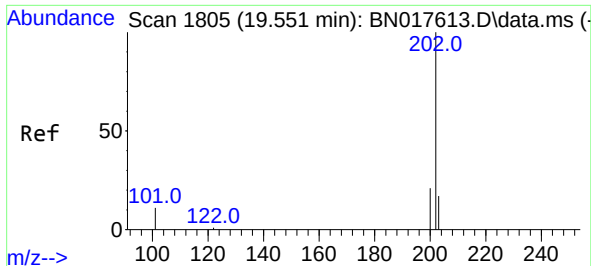
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.292 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

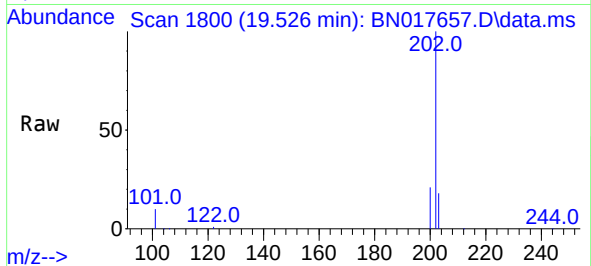
Tgt Ion:240 Resp: 130820
Ion Ratio Lower Upper
240 100
120 5.9 4.2 6.2
236 26.1 20.0 30.0





#30
Pyrene
Concen: 1.984 ng
RT: 19.526 min Scan# 1800
Delta R.T. -0.020 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

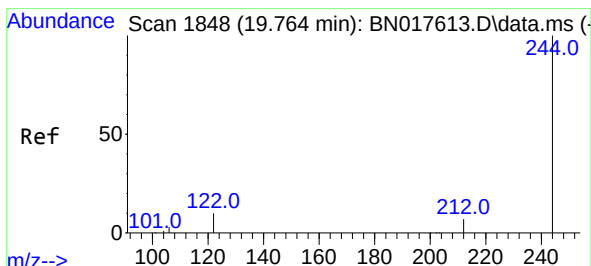
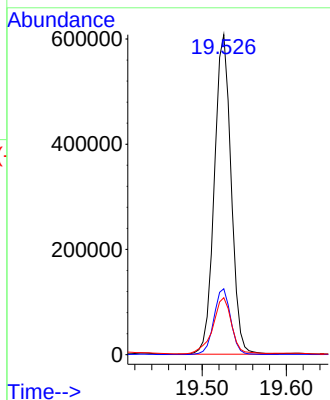
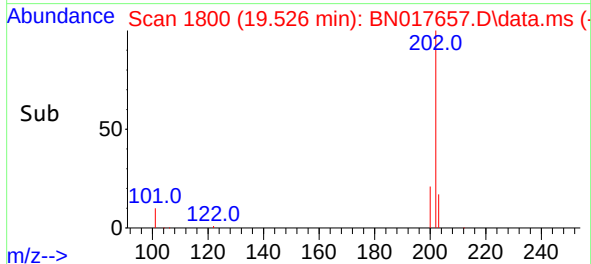
Instrument :
BNA_N
ClientSampleId :
CS-2BDL



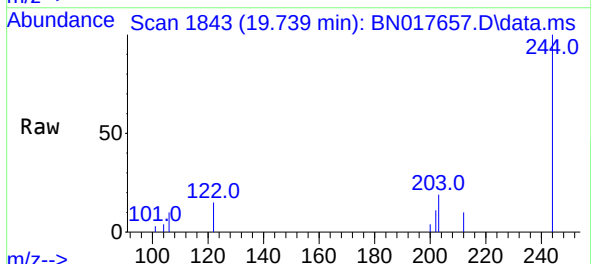
Tgt Ion:202 Resp: 837970
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 19.7 14.0 21.0

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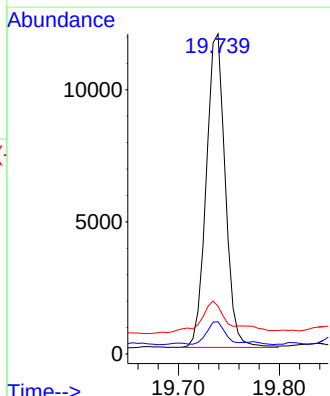
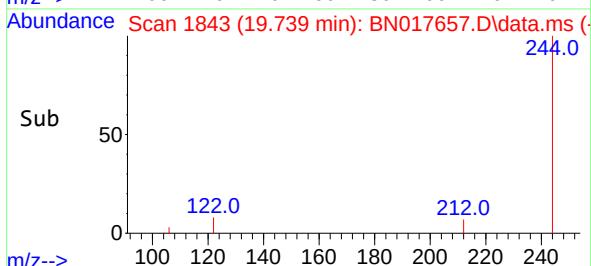
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

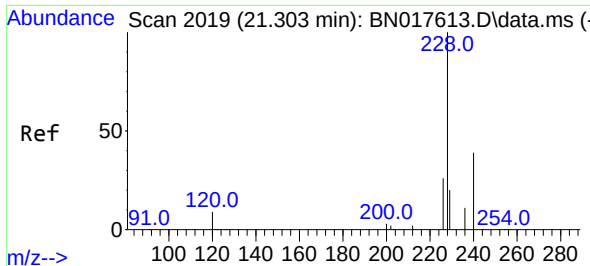


#31
Terphenyl-d14
Concen: 0.054 ng
RT: 19.739 min Scan# 1843
Delta R.T. -0.015 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03



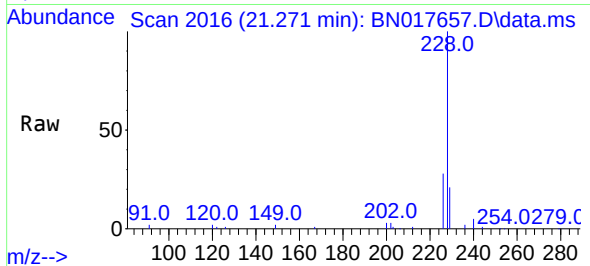
Tgt Ion:244 Resp: 15511
Ion Ratio Lower Upper
244 100
212 10.0 5.7 8.5#
122 14.9 8.6 13.0#





#32
Benzo(a)anthracene
Concen: 1.109 ng
RT: 21.271 min Scan# 2021
Delta R.T. -0.021 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

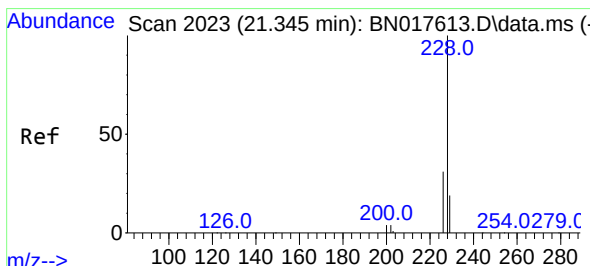
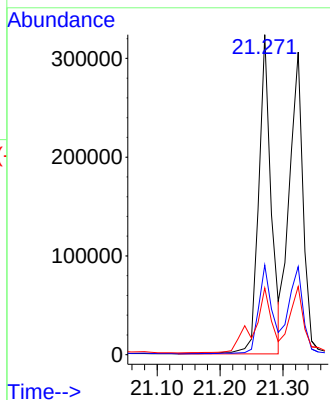
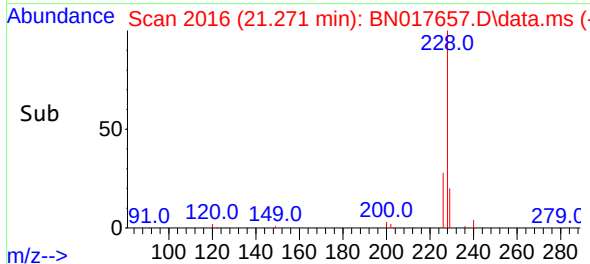
Instrument :
BNA_N
ClientSampleId :
CS-2BDL



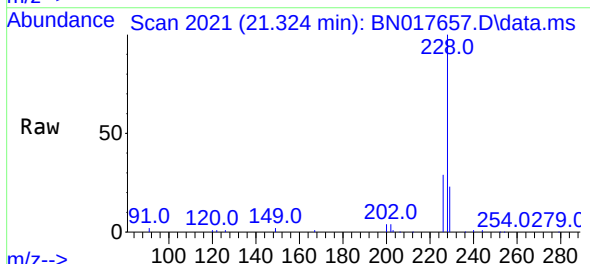
Tgt Ion:228 Resp: 44057
Ion Ratio Lower Upper
228 100
226 28.0 21.3 31.9
229 20.9 15.7 23.5

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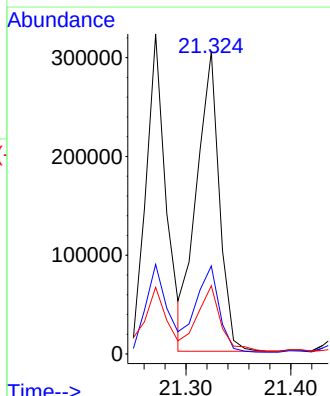
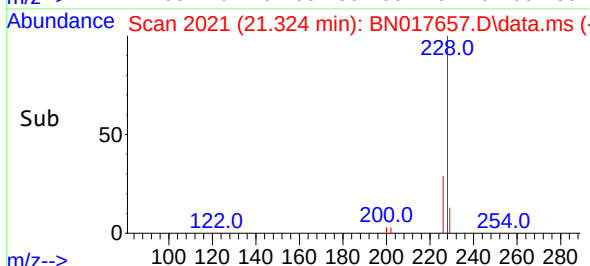
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

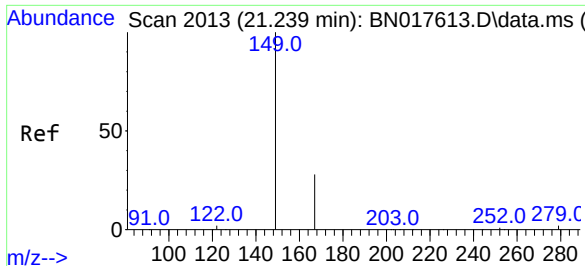


#33
Chrysene
Concen: 1.054 ng
RT: 21.324 min Scan# 2021
Delta R.T. -0.011 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03



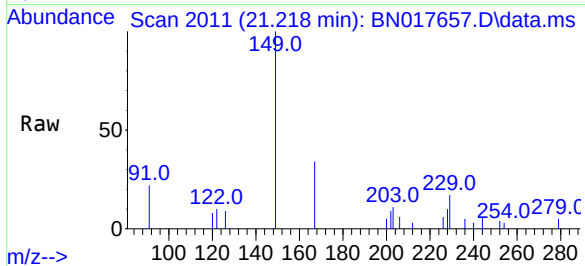
Tgt Ion:228 Resp: 455641
Ion Ratio Lower Upper
228 100
226 29.1 23.3 34.9
229 22.5 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.295 ng
RT: 21.218 min Scan# 2011
Delta R.T. -0.011 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

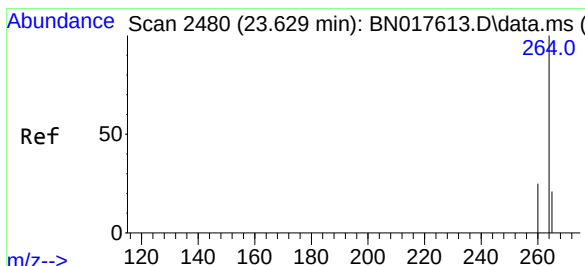
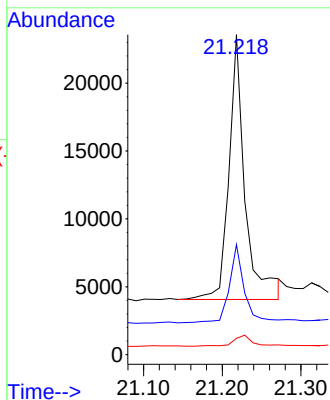
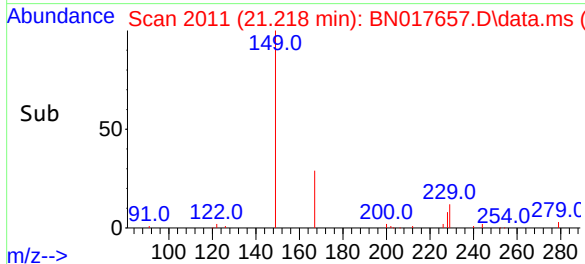
Instrument :
BNA_N
ClientSampleId :
CS-2BDL



Tgt Ion:149 Resp: 27800
Ion Ratio Lower Upper
149 100
167 27.4 21.8 32.6
279 4.7 3.4 5.0

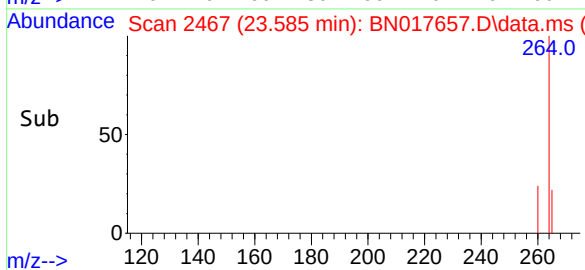
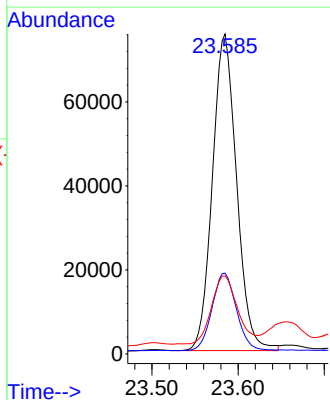
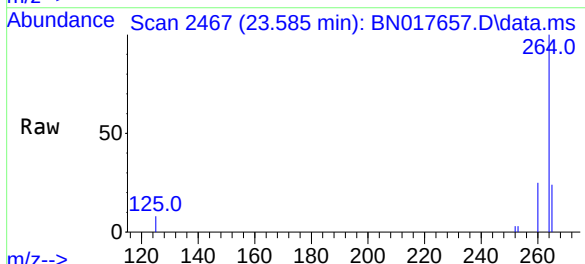
Manual Integrations
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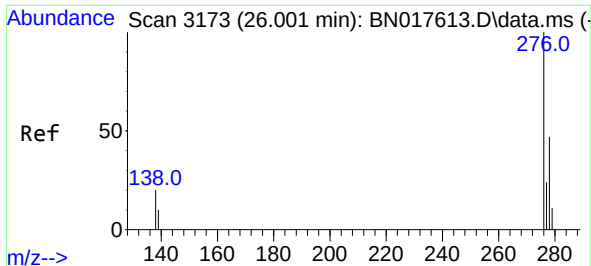
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.585 min Scan# 2467
Delta R.T. -0.024 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

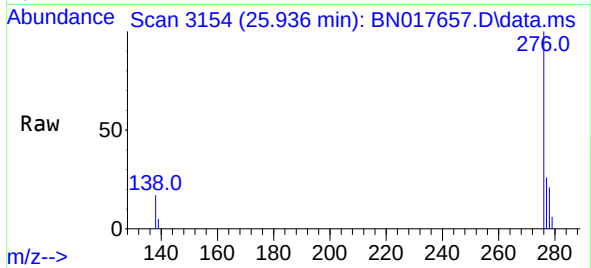
Tgt Ion:264 Resp: 146926
Ion Ratio Lower Upper
264 100
260 25.3 19.4 29.2
265 24.4 18.6 28.0





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.641 ng
RT: 25.936 min Scan# 3173
Delta R.T. -0.041 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

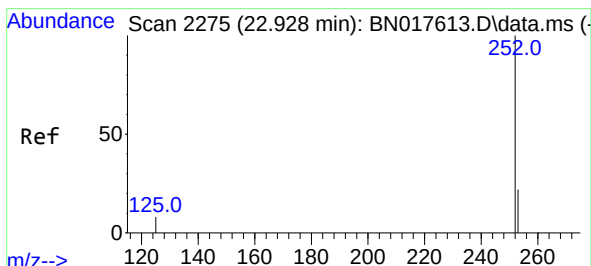
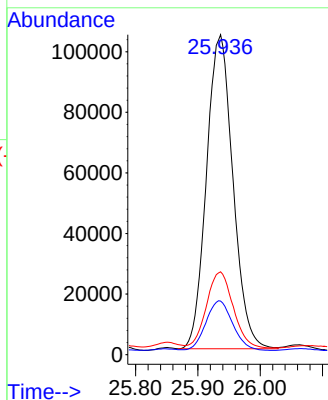
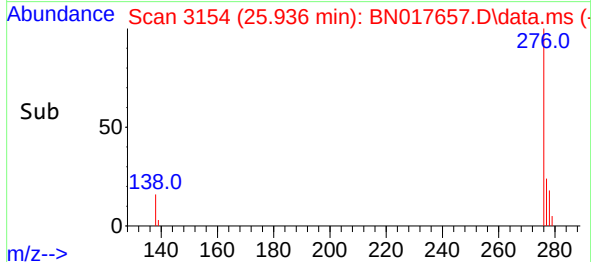
Instrument :
BNA_N
ClientSampleId :
CS-2BDL



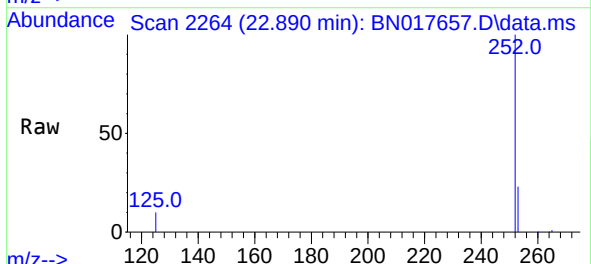
Tgt Ion:276 Resp: 30604
Ion Ratio Lower Upper
276 100
138 16.0 19.7 29.5
277 24.4 20.0 30.0

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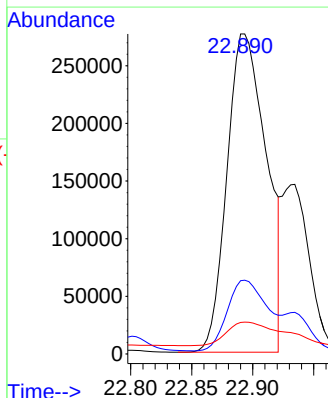
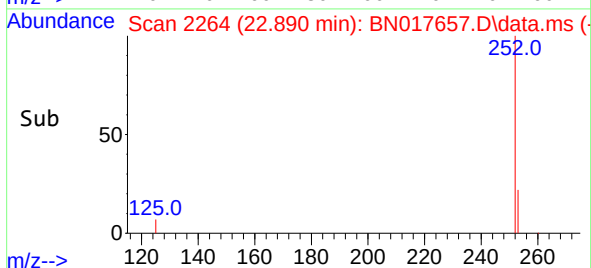
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

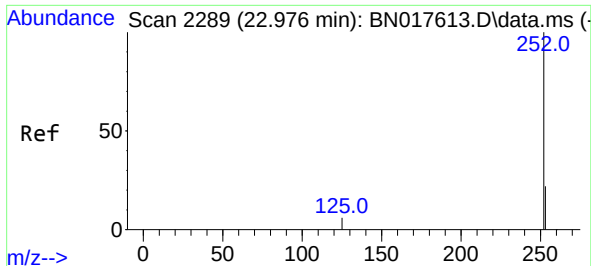


#37
Benzo(b)fluoranthene
Concen: 1.278 ng
RT: 22.890 min Scan# 2264
Delta R.T. -0.024 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03



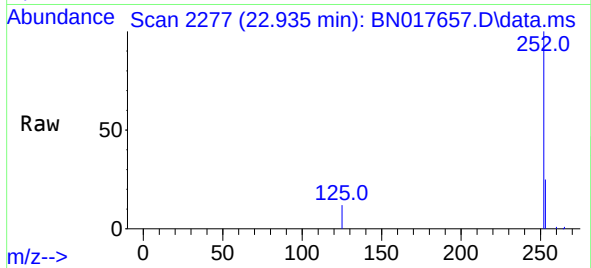
Tgt Ion:252 Resp: 622547
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 9.8 7.8 11.8





#38
Benzo(k)fluoranthene
Concen: 0.459 ng m
RT: 22.935 min Scan# 21
Delta R.T. -0.024 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

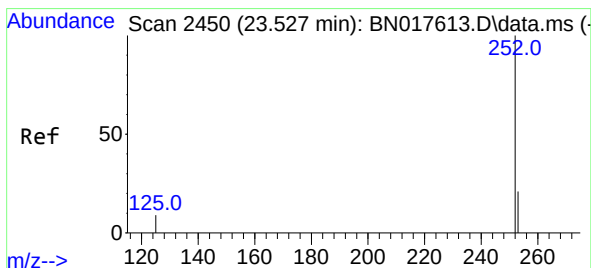
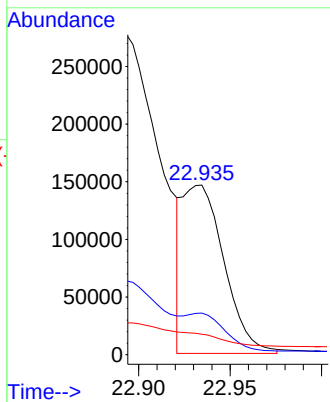
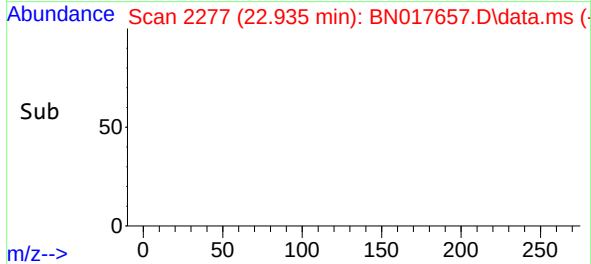
Instrument :
BNA_N
ClientSampleId :
CS-2BDL



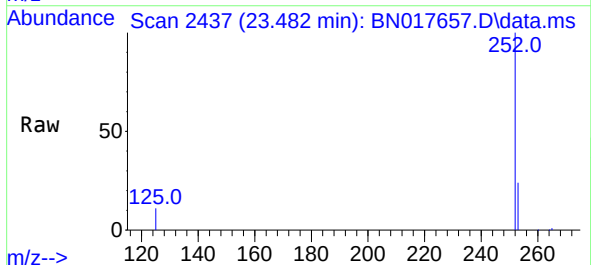
Tgt Ion:252 Resp: 229450
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 12.0 8.2 12.2

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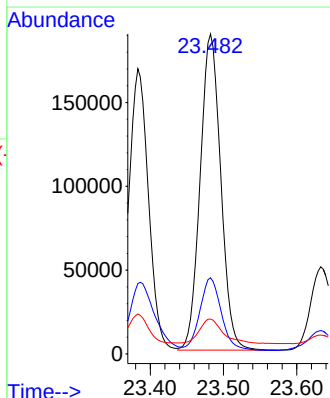
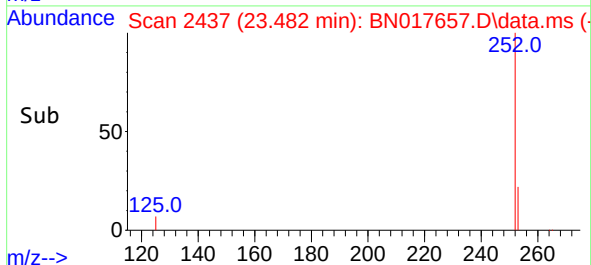
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

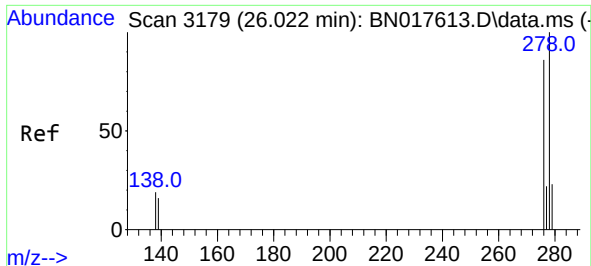


#39
Benzo(a)pyrene
Concen: 0.846 ng
RT: 23.482 min Scan# 2437
Delta R.T. -0.024 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03



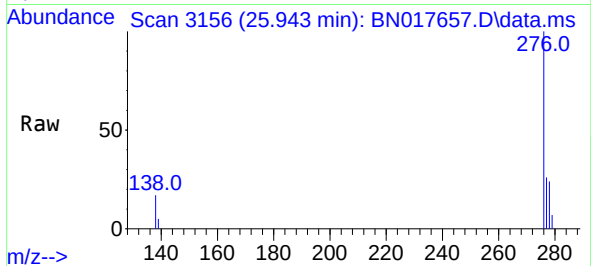
Tgt Ion:252 Resp: 368829
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 10.9 9.2 13.8





#40
Dibenzo(a,h)anthracene
Concen: 0.188 ng
RT: 25.943 min Scan# 3179
Delta R.T. -0.055 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03

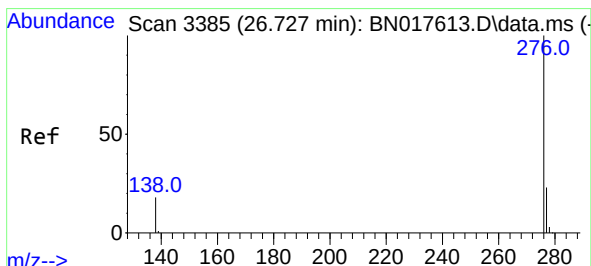
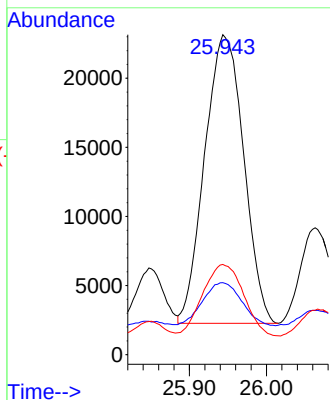
Instrument :
BNA_N
ClientSampleId :
CS-2BDL



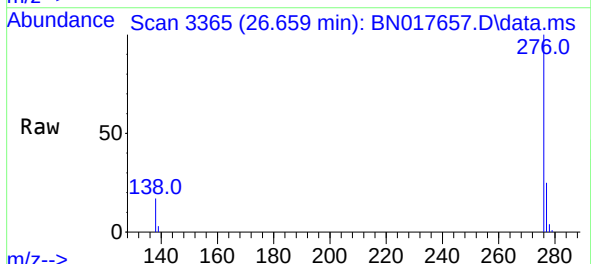
Tgt Ion:278 Resp: 7339
Ion Ratio Lower Upper
278 100
139 22.5 13.0 19.6
279 28.2 19.2 28.8

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.730 ng
RT: 26.659 min Scan# 3365
Delta R.T. -0.038 min
Lab File: BN017657.D
Acq: 01 Dec 2021 19:03



Tgt Ion:276 Resp: 292848
Ion Ratio Lower Upper
276 100
277 25.4 19.0 28.4
138 16.9 17.1 25.7#

