

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017646.D
 Acq On : 01 Dec 2021 12:10
 Operator : CG/JU
 Sample : M4862-08
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-4A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/01/2021
 Supervised By :mohammad ahmed 12/05/2021

Quant Time: Dec 01 12:42:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 30 18:26:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	21130	0.400	ng	0.00
7) Naphthalene-d8	10.548	136	89779	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	57087	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	117263	0.400	ng	#-0.01
29) Chrysene-d12	21.314	240	92732	0.400	ng	# 0.00
35) Perylene-d12	23.620	264	64762	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.403	112	63	0.001	ng	0.04
5) Phenol-d6	6.952	99	251	0.005	ng	0.00
8) Nitrobenzene-d5	8.913	82	13559	0.356	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	42721	0.273	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	53	0.126	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	55241	0.249	ng	0.00
27) Fluoranthene-d10	19.154	212	107325	0.293	ng	0.00
31) Terphenyl-d14	19.755	244	73538	0.362	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.598	128	73312	0.324	ng	100
12) 2-Methylnaphthalene	12.213	142	35430	0.237	ng	98
16) Acenaphthylene	14.105	152	142789	0.641	ng	98
17) Acenaphthene	14.448	154	91319	0.593	ng	99
18) Fluorene	15.425	166	160826m	0.860	ng	
24) Pentachlorophenol	16.788	266	453m	0.203	ng	
25) Phenanthrene	17.165	178	2882696	8.963	ng	99
26) Anthracene	17.250	178	591455	2.140	ng	# 94
28) Fluoranthene	19.189	202	4709550	12.940	ng	97
30) Pyrene	19.551	202	4071799	13.602	ng	# 94
32) Benzo(a)anthracene	21.293	228	2127574	7.554	ng	97
33) Chrysene	21.346	228	2019919	6.592	ng	96
34) Bis(2-ethylhexyl)phtha...	21.240	149	1243045	18.606	ng	97
36) Indeno(1,2,3-cd)pyrene	25.988	276	450028	2.140	ng	# 92
37) Benzo(b)fluoranthene	22.925	252	1961583	9.134	ng	# 94
38) Benzo(k)fluoranthene	22.966	252	688874m	3.129	ng	
39) Benzo(a)pyrene	23.517	252	1116465	5.807	ng	# 95
40) Dibenzo(a,h)anthracene	25.995	278	117388	0.683	ng	# 76
41) Benzo(g,h,i)perylene	26.710	276	378934	2.143	ng	95

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

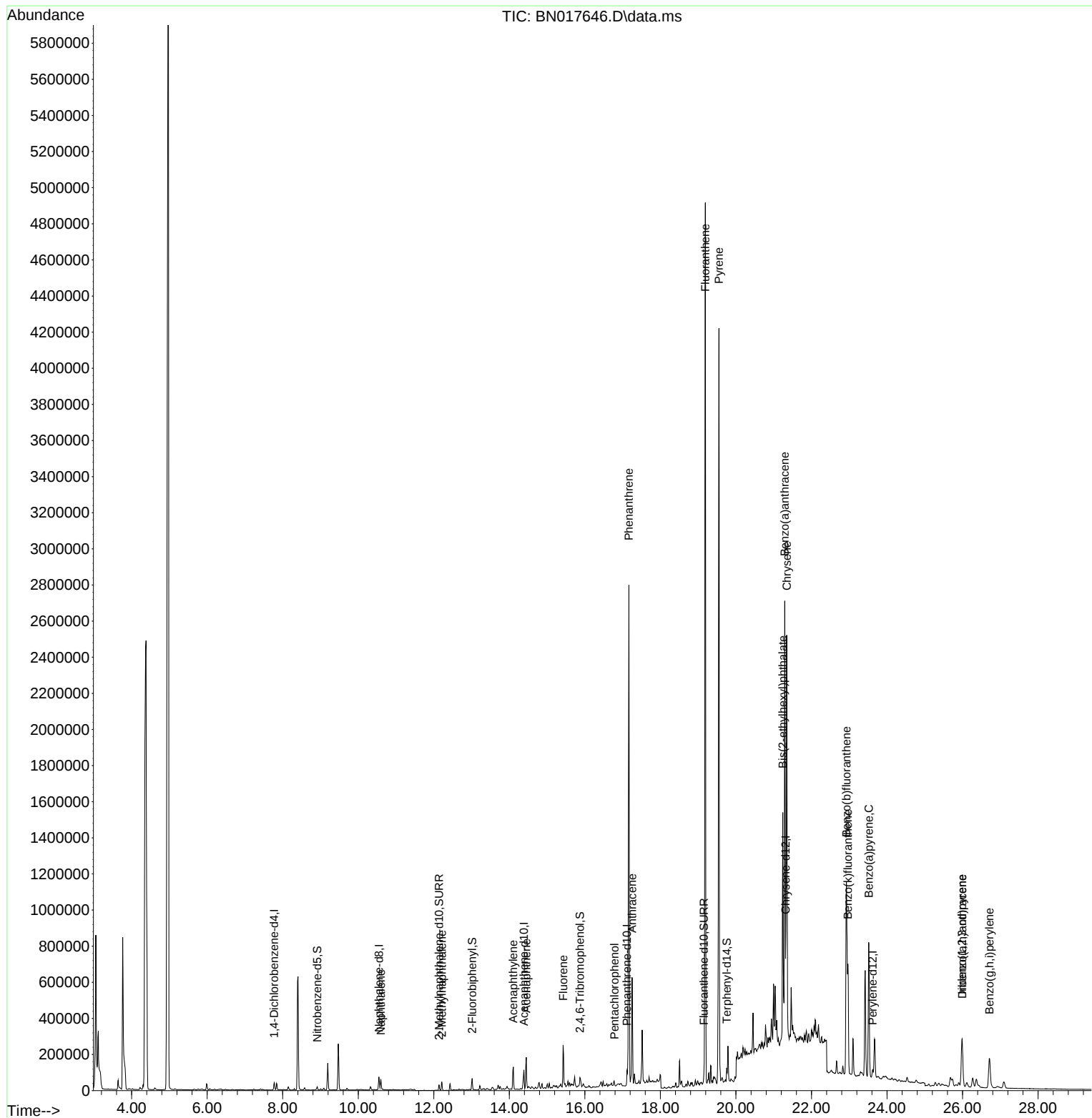
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
Data File : BN017646.D
Acq On : 01 Dec 2021 12:10
Operator : CG/JU
Sample : M4862-08
Misc :
ALS Vial : 35 Sample Multiplier: 1

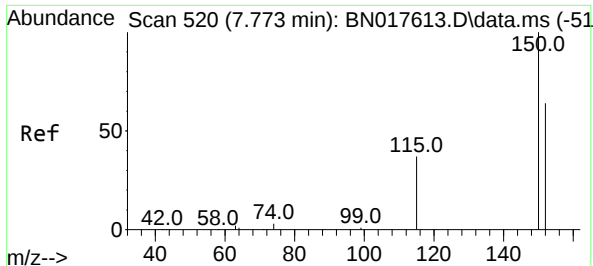
Instrument :
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CS-4A

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Supervised By :mohammad ahmed 12/05/2021

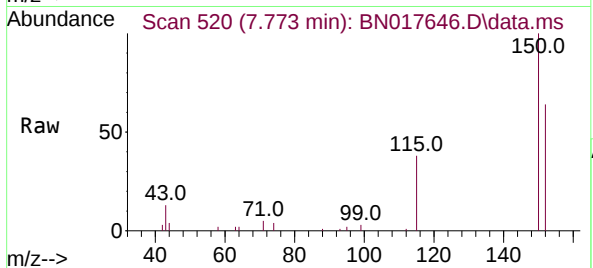
Quant Time: Dec 01 12:42:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 30 18:26:44 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

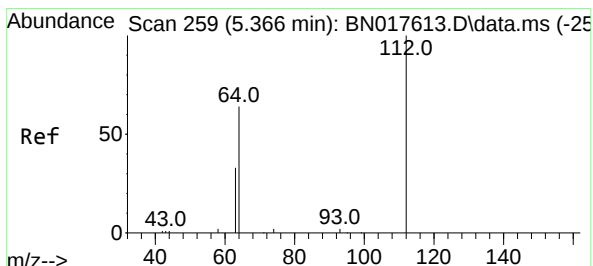
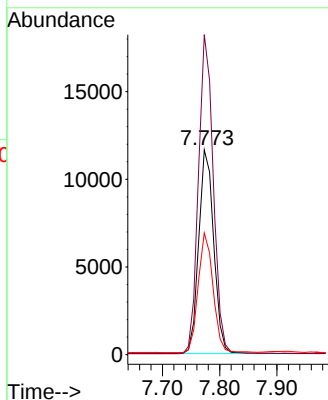
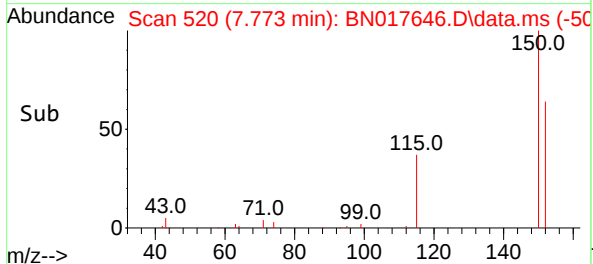
Instrument :
BNA_N
ClientSampleId :
CS-4A



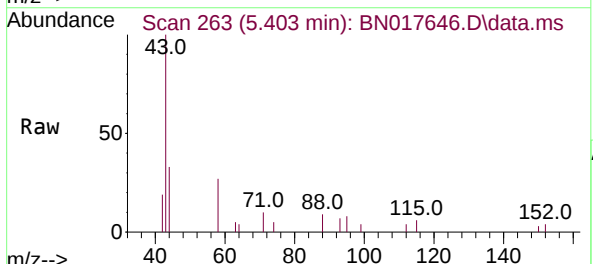
Tgt Ion:152 Resp: 21130
Ion Ratio Lower Upper
152 100
150 156.2 123.0 184.4
115 59.5 45.6 68.4

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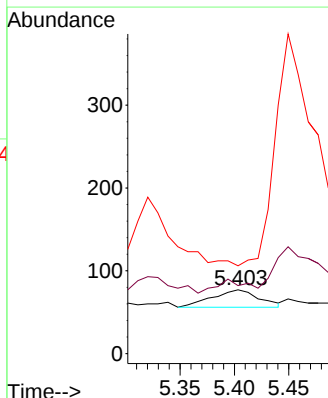
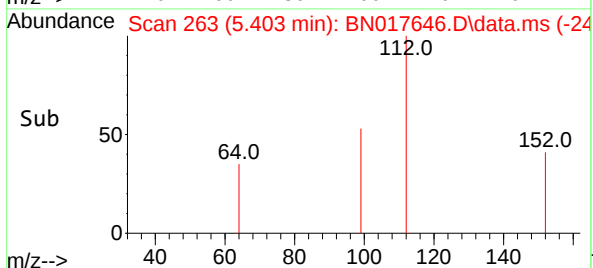
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

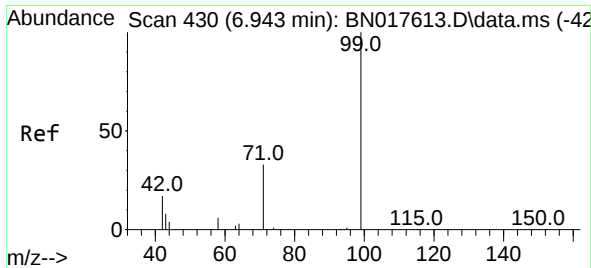


#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.403 min Scan# 263
Delta R.T. 0.037 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10



Tgt Ion:112 Resp: 63
Ion Ratio Lower Upper
112 100
64 50.8 47.6 71.4
63 0.0 24.6 37.0#





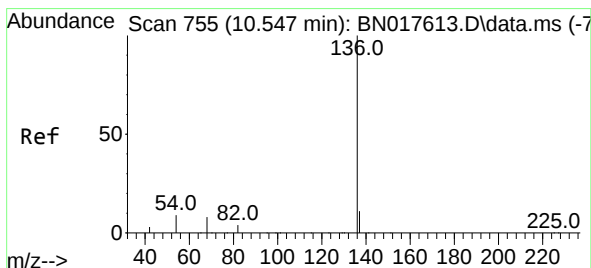
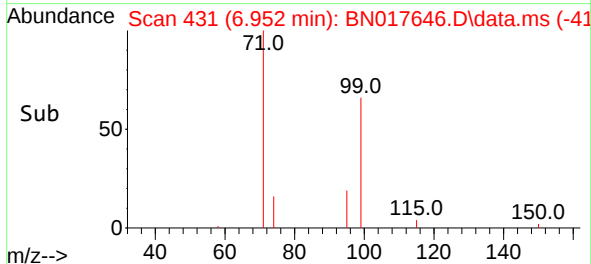
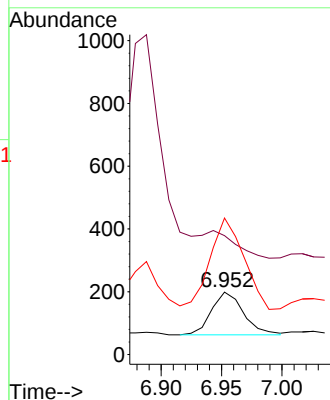
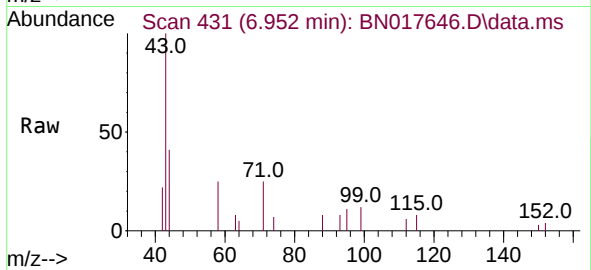
#5
Phenol-d6
Concen: 0.005 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.010 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Instrument :
BNA_N
ClientSampleId :
CS-4A

Tgt Ion: 99 Resp: 25
Ion Ratio Lower Upper
99 100
42 0.0 17.0 25.6
71 222.7 24.8 37.2

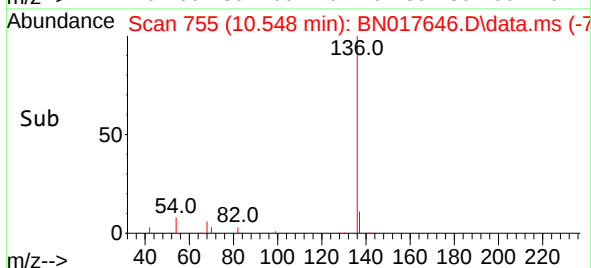
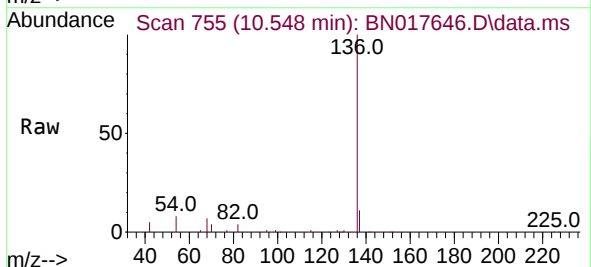
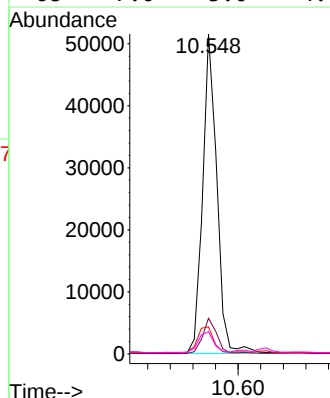
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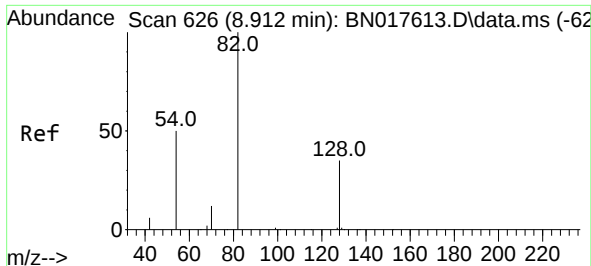
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.548 min Scan# 755
Delta R.T. 0.001 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

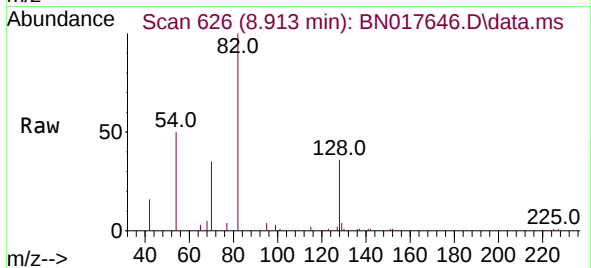
Tgt Ion:136 Resp: 89779
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.4 4.0 6.0#
68 7.0 3.0 4.6#





#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.913 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

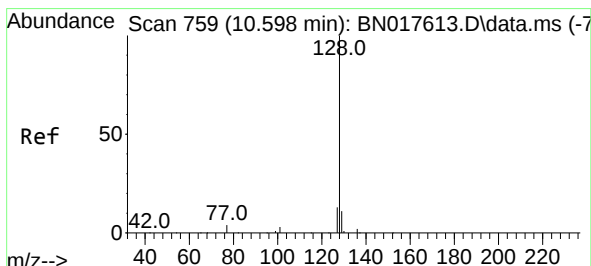
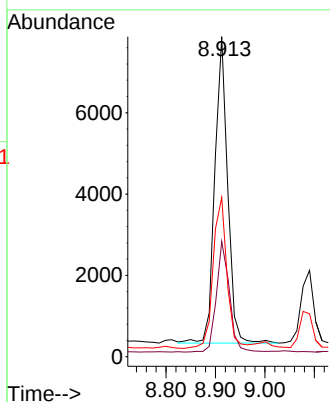
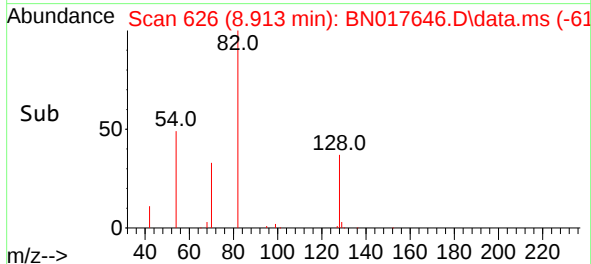
Instrument :
BNA_N
ClientSampleId :
CS-4A



Tgt Ion: 82 Resp: 1355
Ion Ratio Lower Upper
82 100
128 36.1 27.7 41.5
54 49.8 49.2 73.8

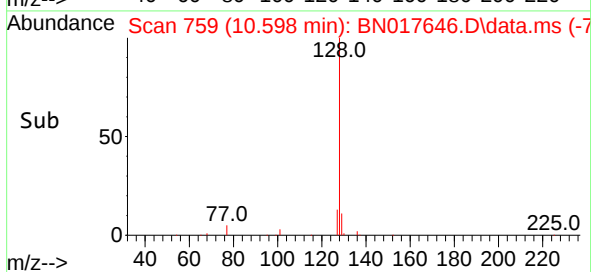
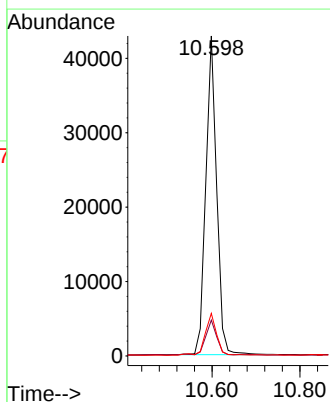
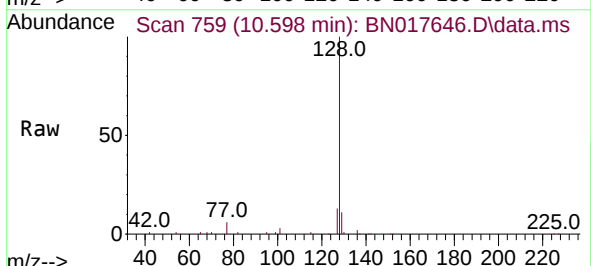
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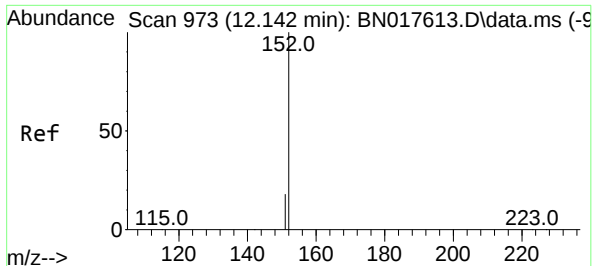
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#9
Naphthalene
Concen: 0.324 ng
RT: 10.598 min Scan# 759
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Tgt Ion:128 Resp: 73312
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.3 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.273 ng

RT: 12.138 min Scan# 911

Delta R.T. -0.004 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

Instrument :

BNA_N

ClientSampleId :

CS-4A

Tgt Ion:152 Resp: 4272

Ion Ratio Lower Upper

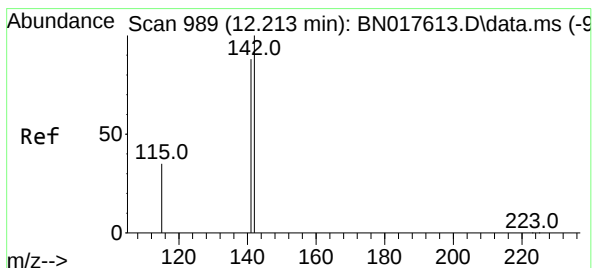
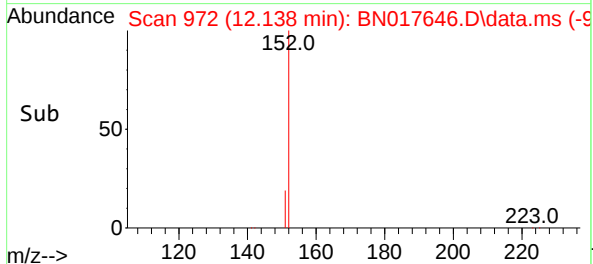
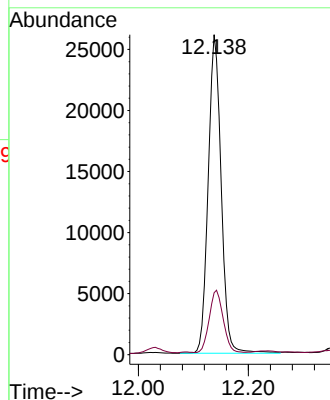
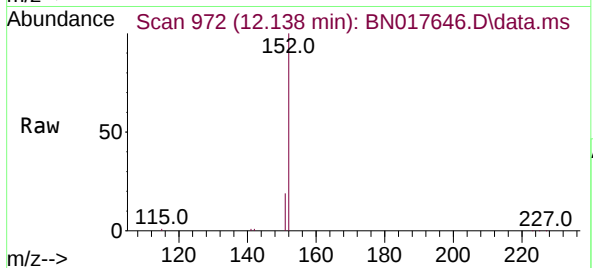
152 100

151 20.9 16.2 24.4

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#12

2-Methylnaphthalene

Concen: 0.237 ng

RT: 12.213 min Scan# 989

Delta R.T. 0.000 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

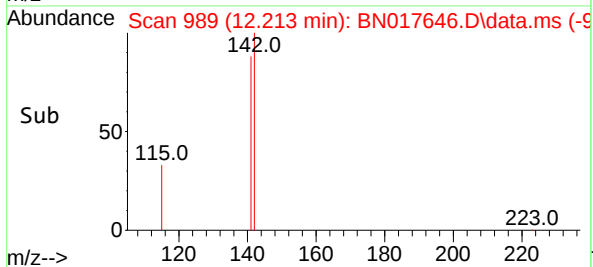
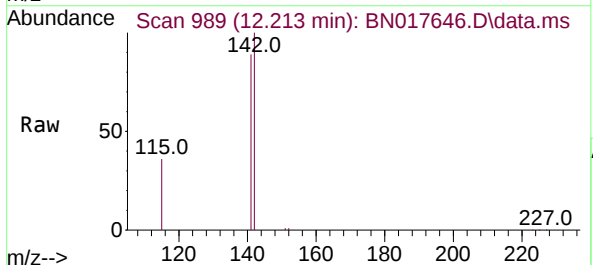
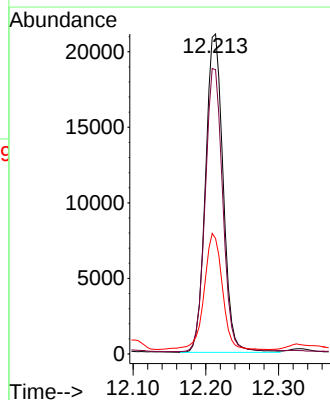
Tgt Ion:142 Resp: 35430

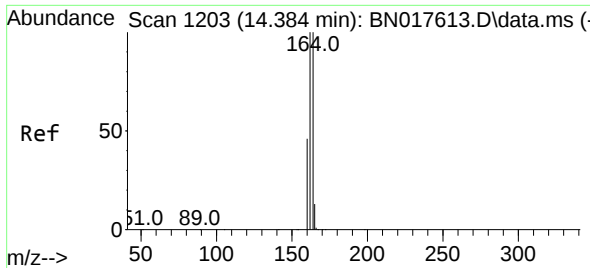
Ion Ratio Lower Upper

142 100

141 88.9 70.6 106.0

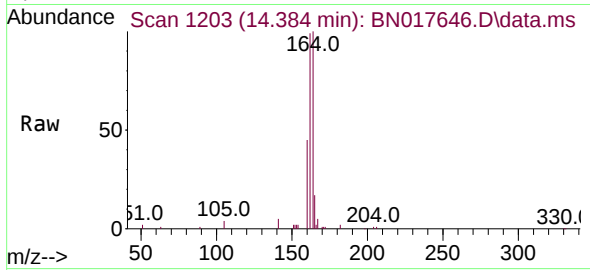
115 36.1 25.8 38.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.384 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

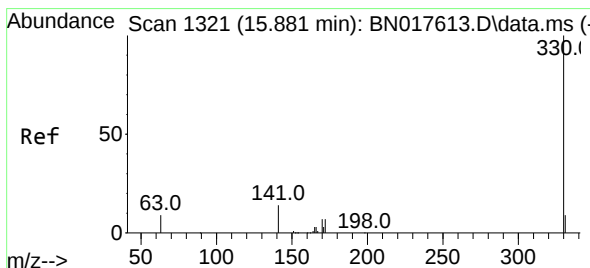
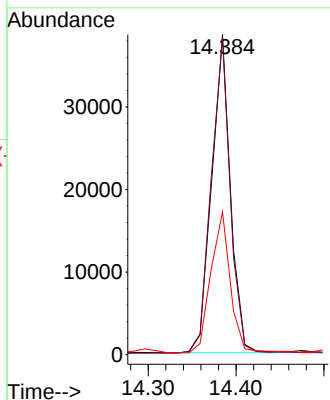
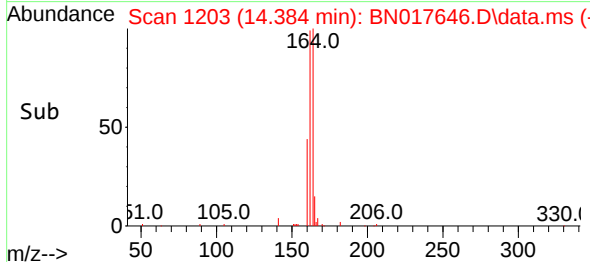
Instrument :
BNA_N
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CS-4A



Tgt Ion:164 Resp: 5708
Ion Ratio Lower Upper
164 100
162 99.0 81.4 122.2
160 44.7 36.8 55.2

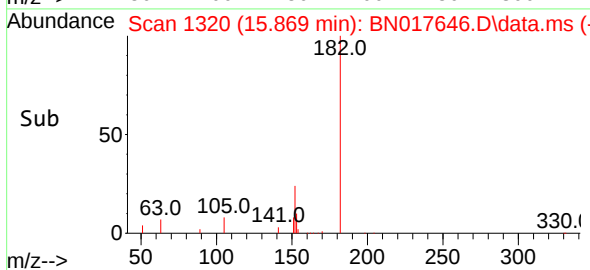
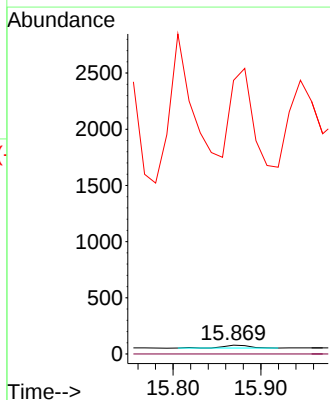
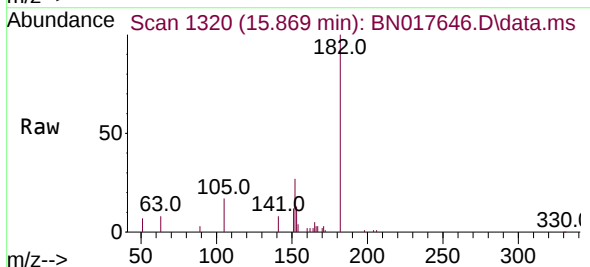
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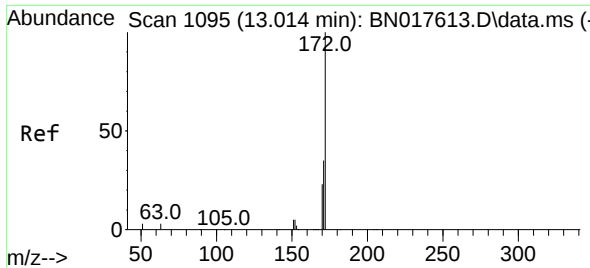
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.869 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

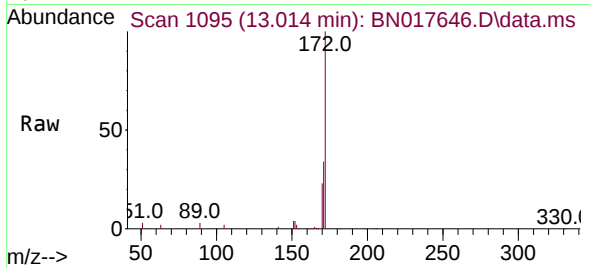
Tgt Ion:330 Resp: 53
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 2737.7 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.249 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

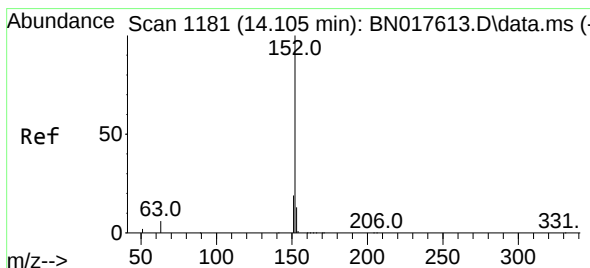
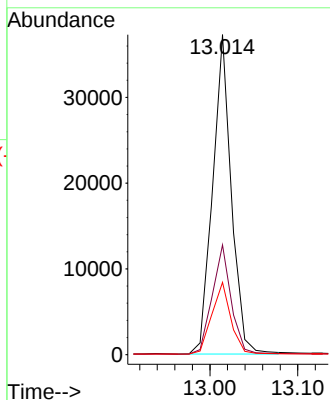
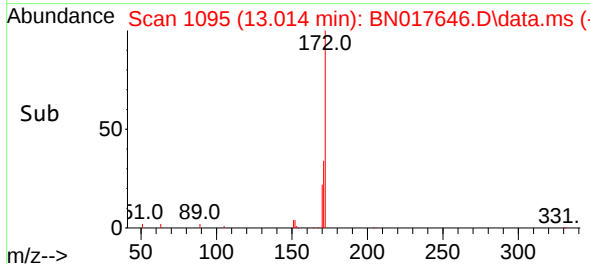
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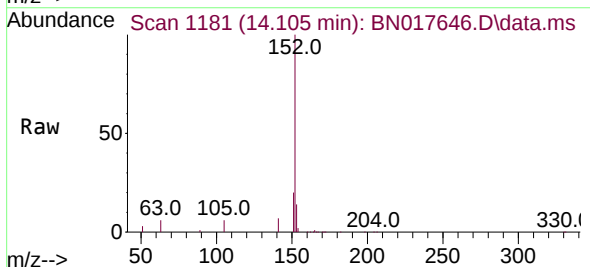
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Ion Ratio Lower Upper
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171 34.3 28.7 43.1
170 22.6 19.4 29.2

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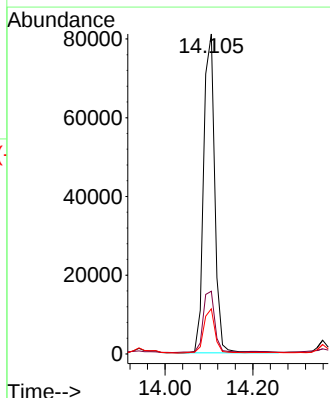
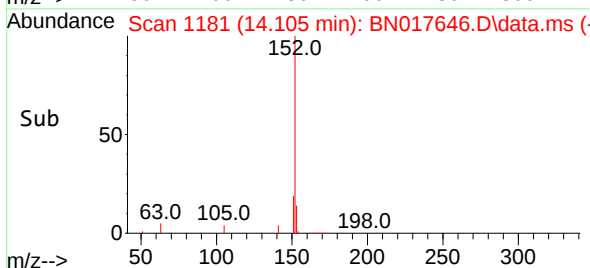
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

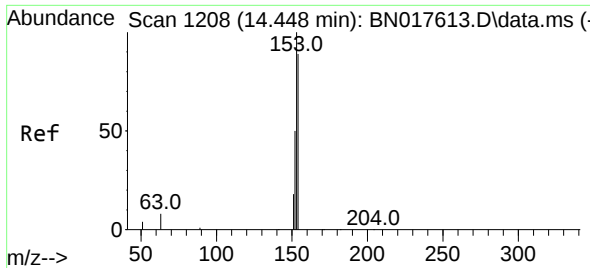


#16
Acenaphthylene
Concen: 0.641 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10



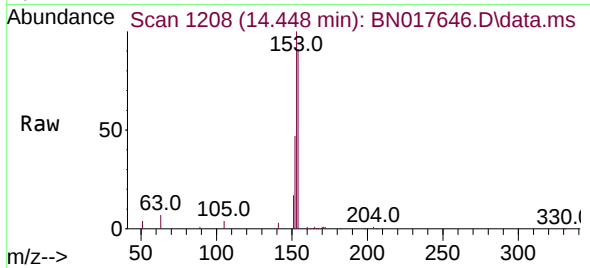
Tgt Ion:152 Resp: 142789
Ion Ratio Lower Upper
152 100
151 20.1 15.5 23.3
153 14.0 10.4 15.6





#17
Acenaphthene
Concen: 0.593 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

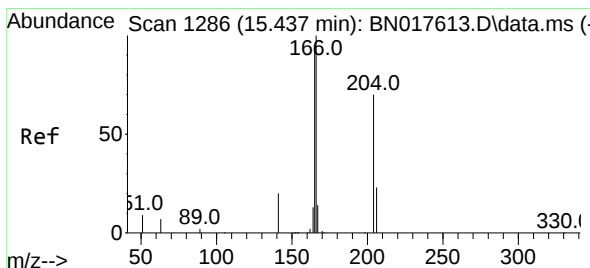
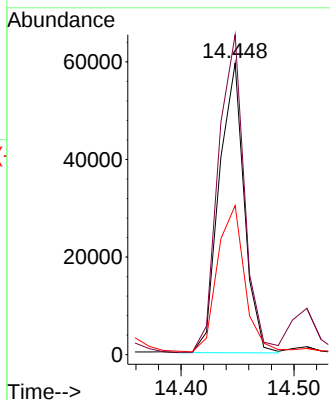
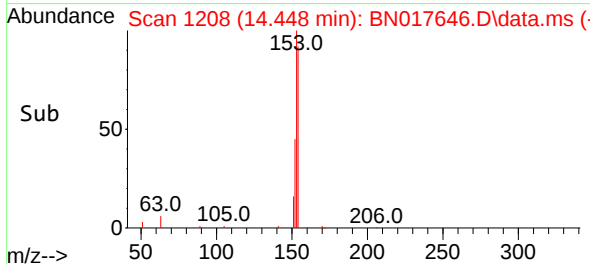
Instrument :
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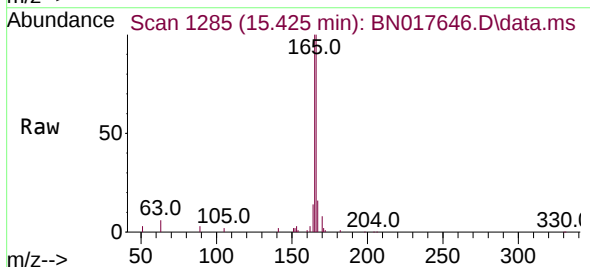
Tgt Ion:154 Resp: 91319
Ion Ratio Lower Upper
154 100
153 114.2 91.2 136.8
152 56.7 44.3 66.5

Manual Integrations
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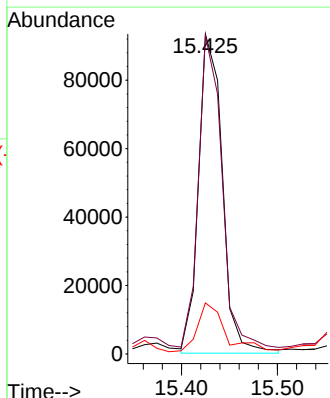
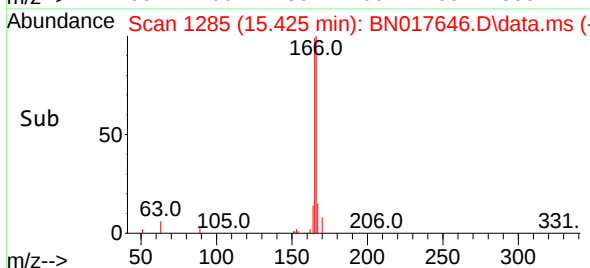
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

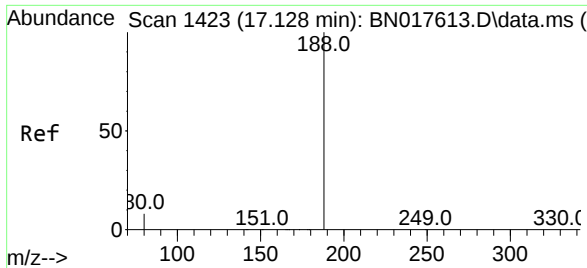


#18
Fluorene
Concen: 0.860 ng m
RT: 15.425 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10



Tgt Ion:166 Resp: 160826
Ion Ratio Lower Upper
166 100
165 96.2 77.9 116.9
167 17.9 10.9 16.3#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.116 min Scan# 1423

Delta R.T. -0.012 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

Instrument :

BNA_N

ClientSampleId :

CS-4A

Tgt Ion:188 Resp: 11726

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

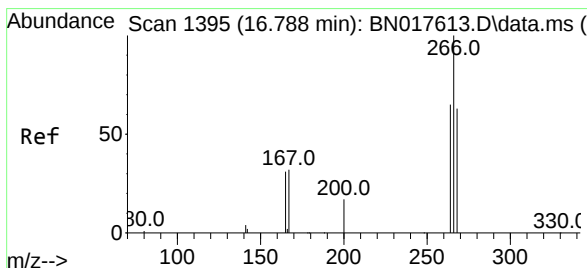
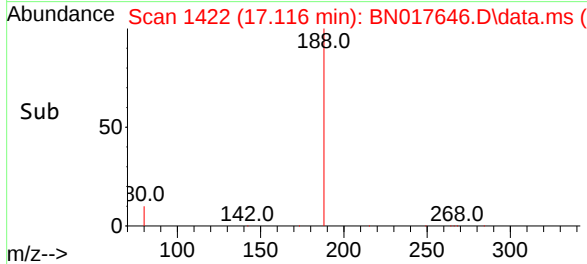
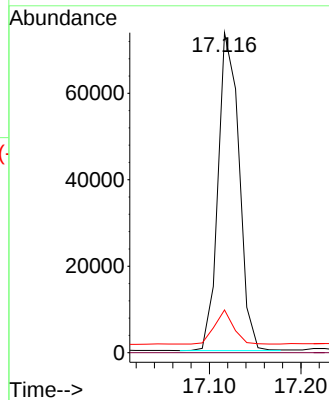
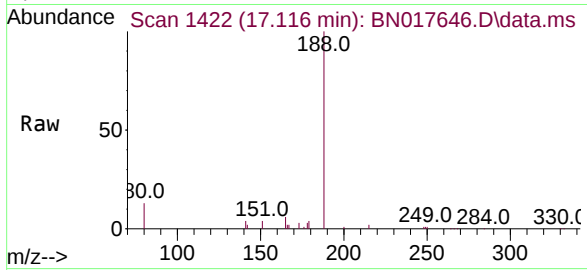
80 13.4 6.1 9.1

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Reviewed By :Jagrut Upadhyay 12/01/2021

Supervised By :mohammad ahmed 12/05/2021



#24

Pentachlorophenol

Concen: 0.203 ng m

RT: 16.788 min Scan# 1395

Delta R.T. -0.000 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

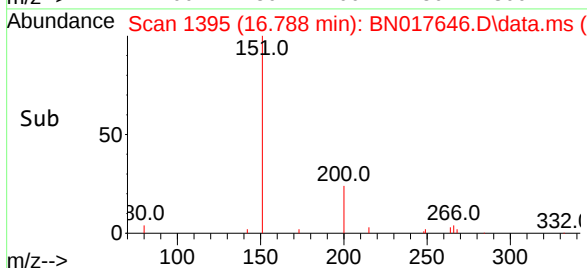
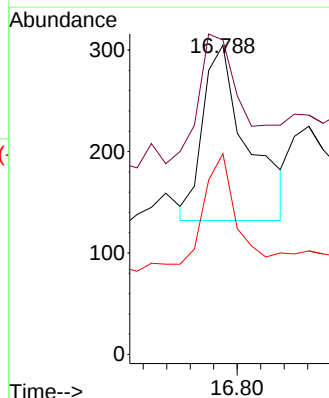
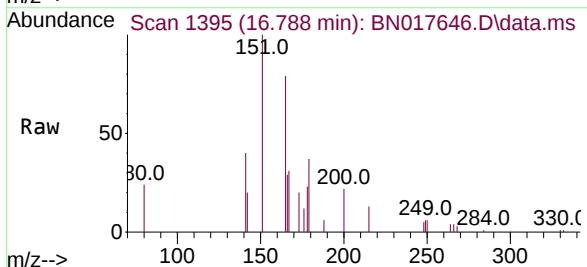
Tgt Ion:266 Resp: 453

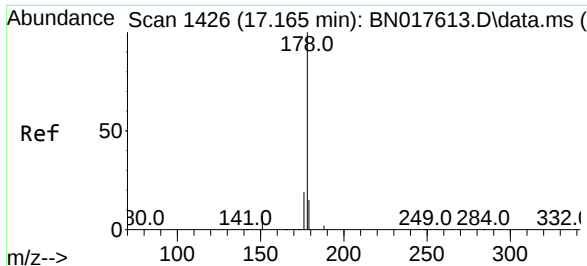
Ion Ratio Lower Upper

266 100

264 80.4 49.8 74.8

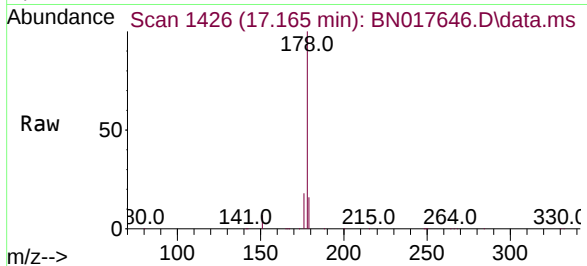
268 58.9 51.3 76.9





#25
Phenanthrene
Concen: 8.963 ng
RT: 17.165 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

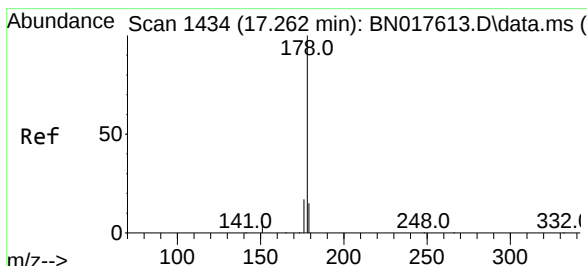
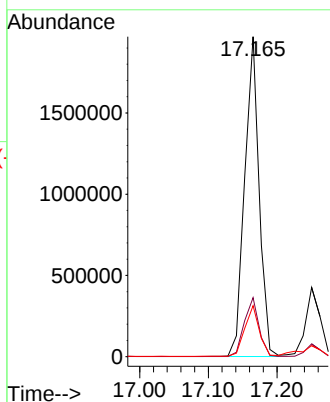
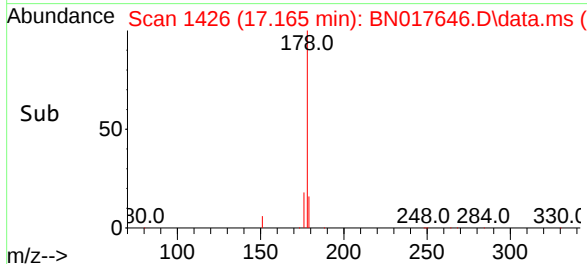
Instrument :
BNA_N
ClientSampleId :
CS-4A



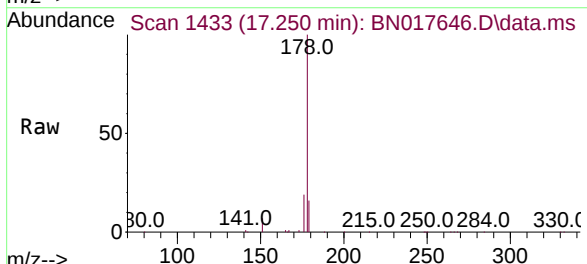
Tgt Ion:178 Resp: 2882690
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 16.0 12.3 18.5

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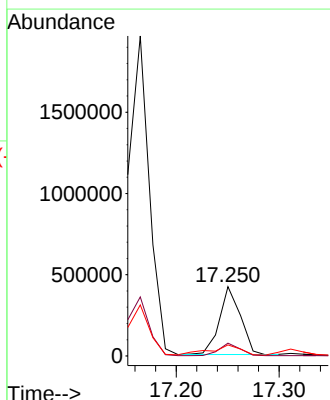
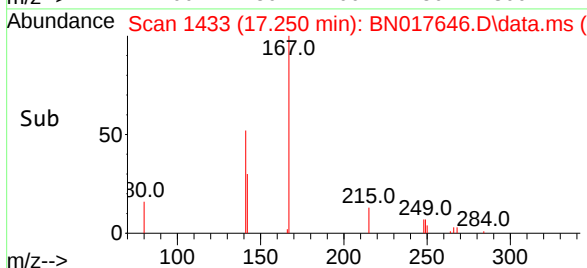
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

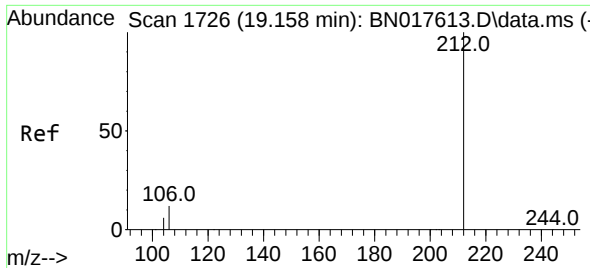


#26
Anthracene
Concen: 2.140 ng
RT: 17.250 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10



Tgt Ion:178 Resp: 591455
Ion Ratio Lower Upper
178 100
176 18.2 14.6 22.0
179 20.9 12.2 18.4#





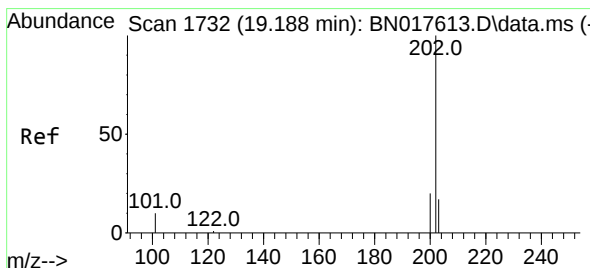
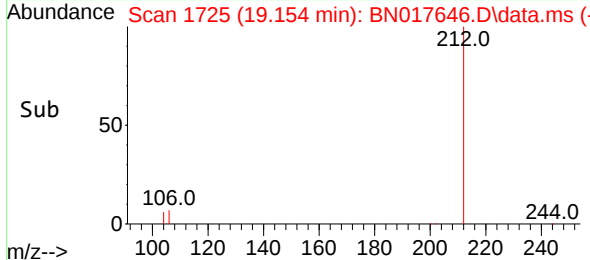
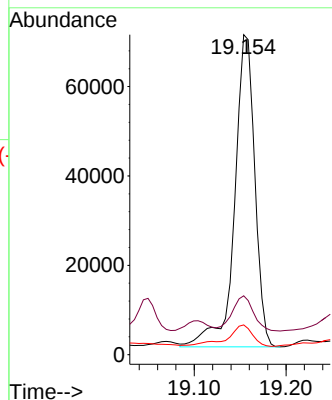
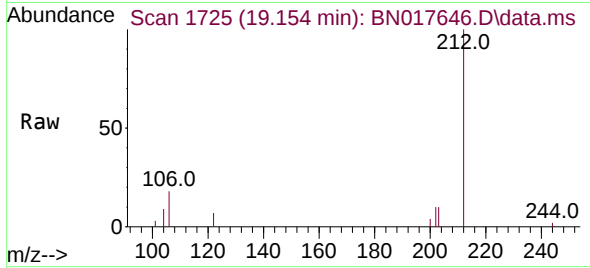
#27
Fluoranthene-d10
Concen: 0.293 ng
RT: 19.154 min Scan# 1725
Delta R.T. -0.004 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Instrument :
BNA_N
ClientSampleId :
CS-4A

Tgt Ion:212 Resp: 107325
Ion Ratio Lower Upper
212 100
106 11.7 10.5 15.7
104 8.6 5.8 8.6

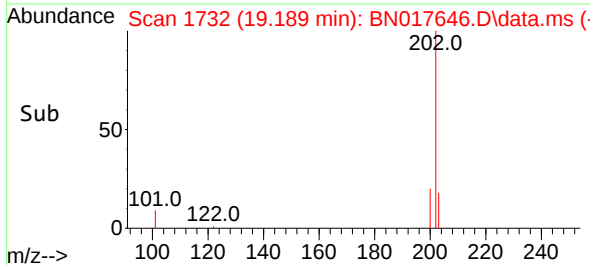
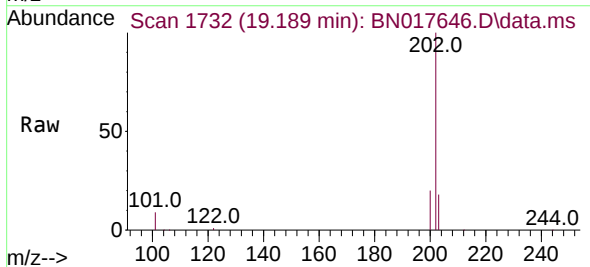
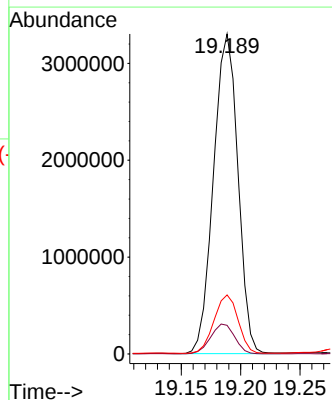
Manual Integrations
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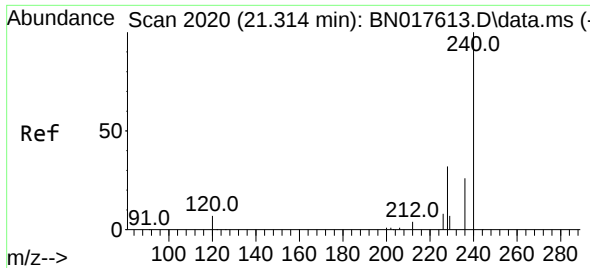
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#28
Fluoranthene
Concen: 12.940 ng
RT: 19.189 min Scan# 1732
Delta R.T. 0.001 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

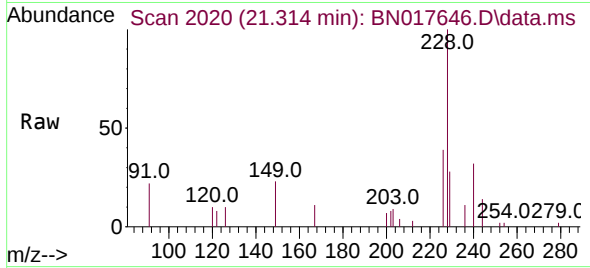
Tgt Ion:202 Resp: 4709550
Ion Ratio Lower Upper
202 100
101 9.1 8.9 13.3
203 17.9 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

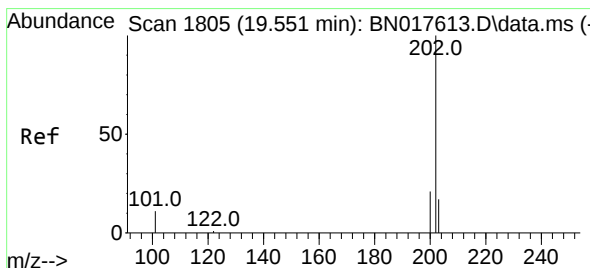
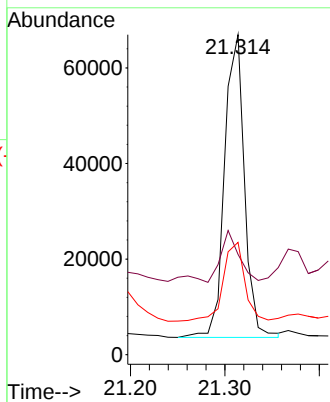
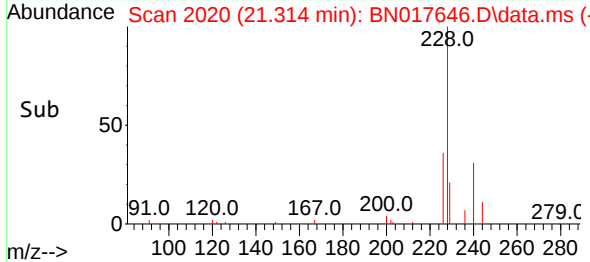
Instrument :
BNA_N
ClientSampleId :
CS-4A



Tgt Ion:240 Resp: 92732
Ion Ratio Lower Upper
240 100
120 31.4 4.2 6.2
236 35.1 20.0 30.0

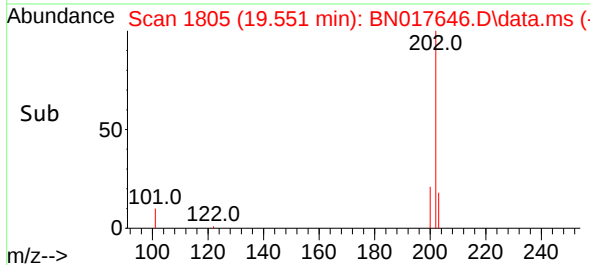
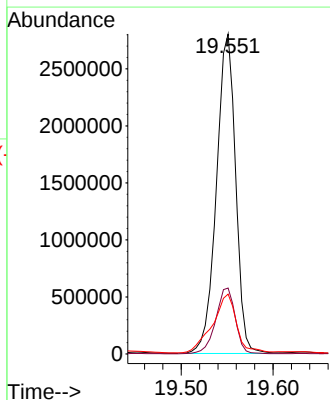
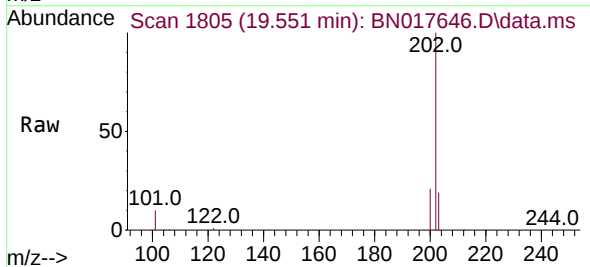
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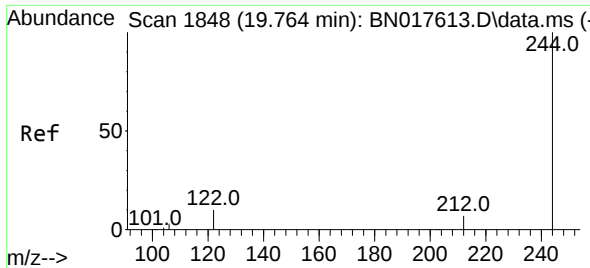
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#30
Pyrene
Concen: 13.602 ng
RT: 19.551 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

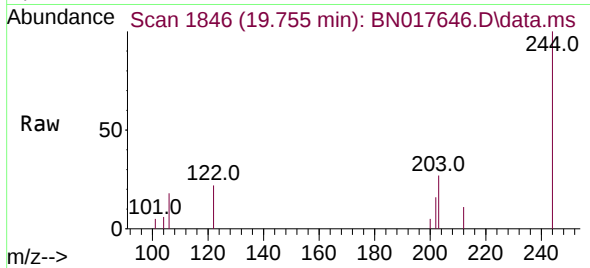
Tgt Ion:202 Resp: 4071799
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 23.0 14.0 21.0





#31
Terphenyl-d14
Concen: 0.362 ng
RT: 19.755 min Scan# 1846
Delta R.T. -0.009 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

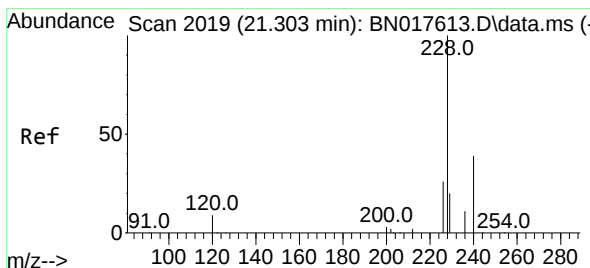
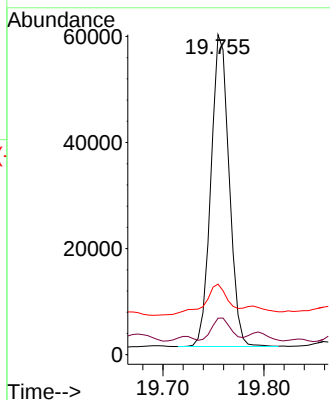
Instrument :
BNA_N
ClientSampleId :
CS-4A



Tgt Ion:244 Resp: 73538
Ion Ratio Lower Upper
244 100
212 11.4 5.7 8.5
122 22.1 8.6 13.0

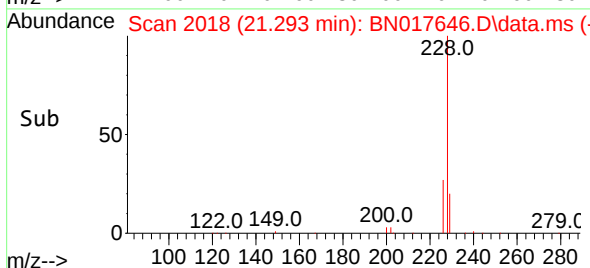
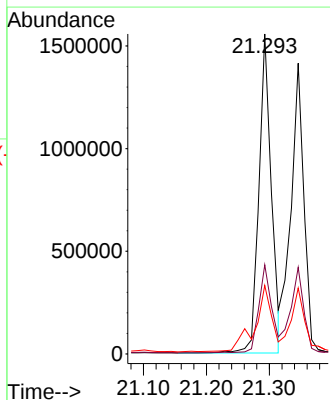
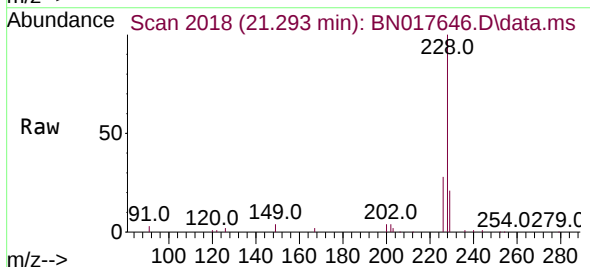
Manual Integrations
APPROVED

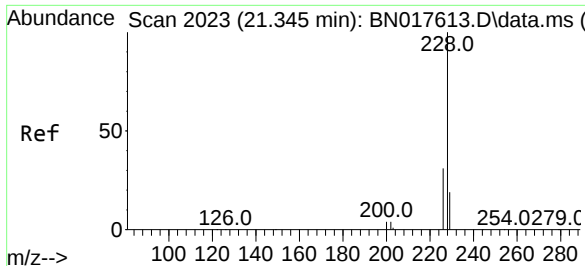
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#32
Benzo(a)anthracene
Concen: 7.554 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

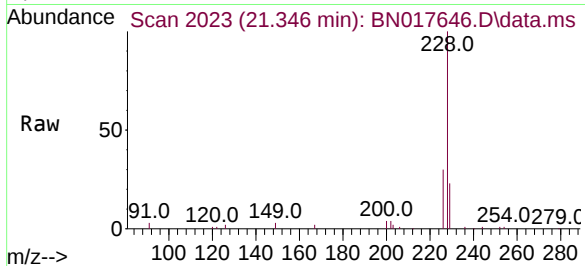
Tgt Ion:228 Resp: 2127574
Ion Ratio Lower Upper
228 100
226 27.8 21.3 31.9
229 21.4 15.7 23.5





#33
Chrysene
Concen: 6.592 ng
RT: 21.346 min Scan# 201919
Delta R.T. 0.001 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

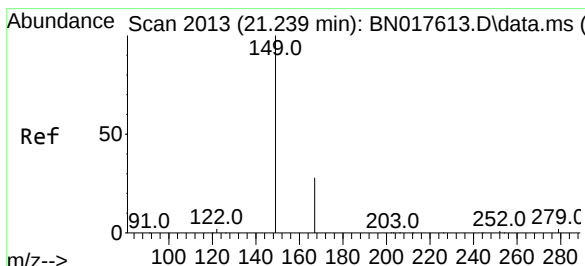
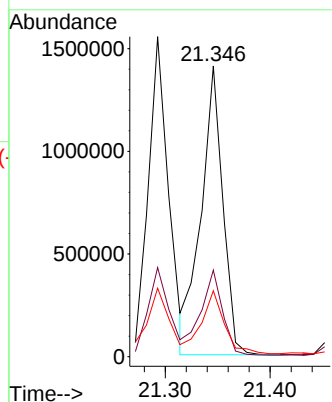
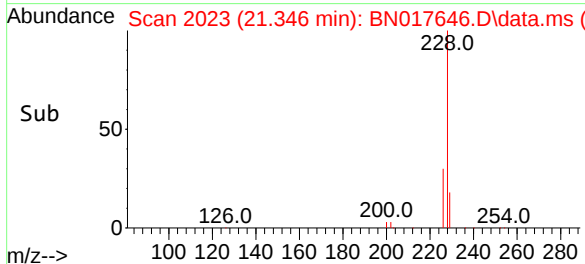
Instrument :
BNA_N
ClientSampleId :
CS-4A



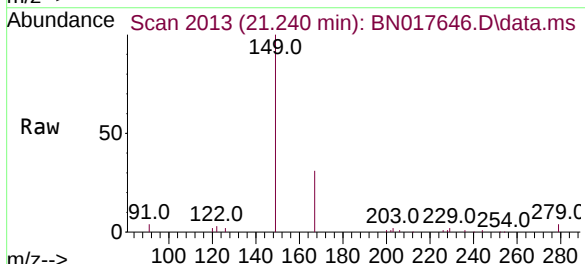
Tgt Ion:228 Resp: 2019919
Ion Ratio Lower Upper
228 100
226 29.8 23.3 34.9
229 22.7 15.6 23.4

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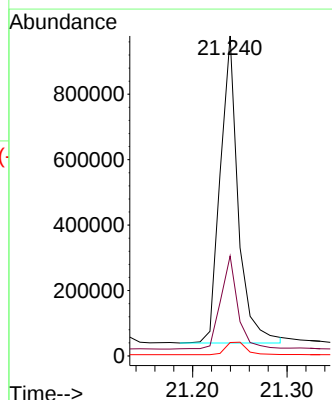
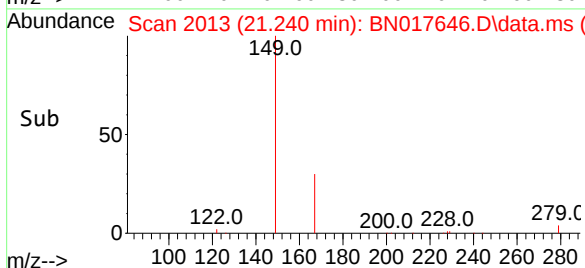
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

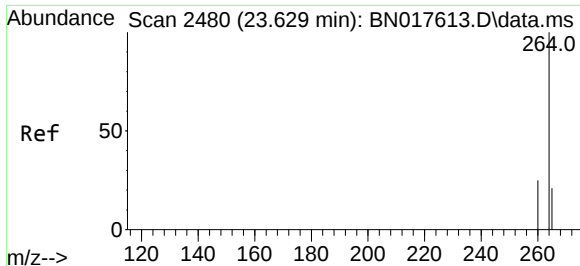


#34
Bis(2-ethylhexyl)phthalate
Concen: 18.606 ng
RT: 21.240 min Scan# 2013
Delta R.T. 0.001 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10



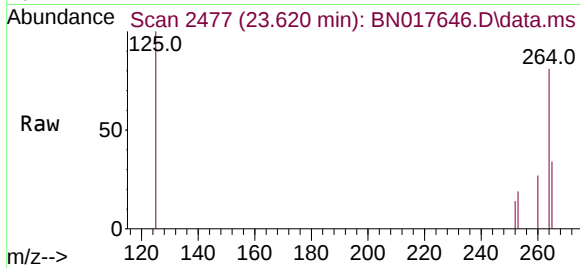
Tgt Ion:149 Resp: 1243045
Ion Ratio Lower Upper
149 100
167 28.8 21.8 32.6
279 4.7 3.4 5.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.620 min Scan# 2477
Delta R.T. -0.010 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

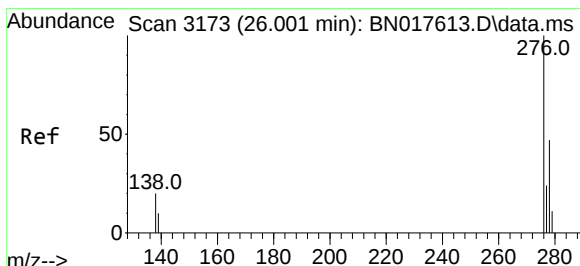
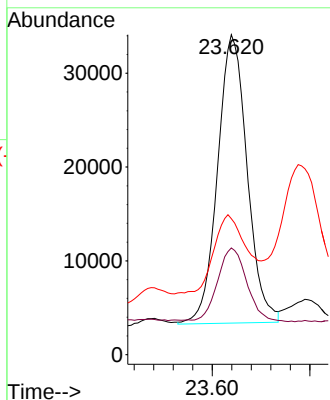
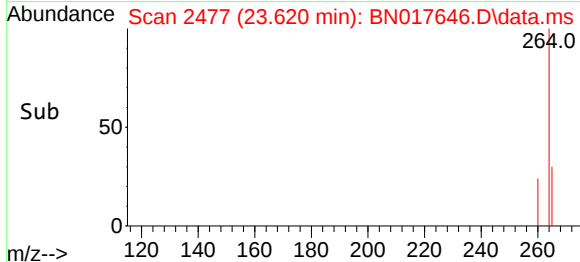
Instrument :
BNA_N
ClientSampleId :
CS-4A



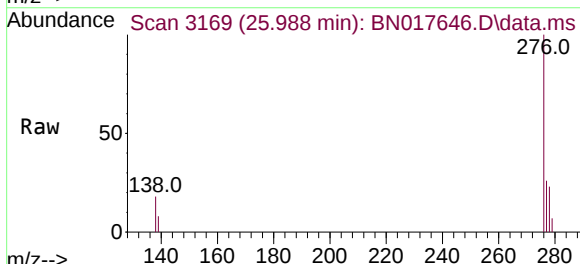
Tgt Ion:264 Resp: 64762
Ion Ratio Lower Upper
264 100
260 33.3 19.4 29.2
265 42.5 18.6 28.0

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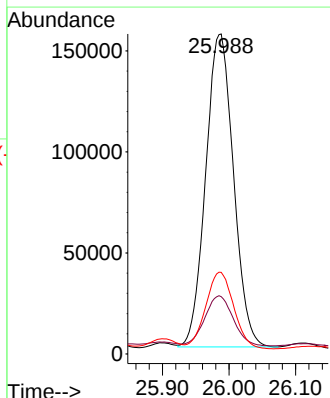
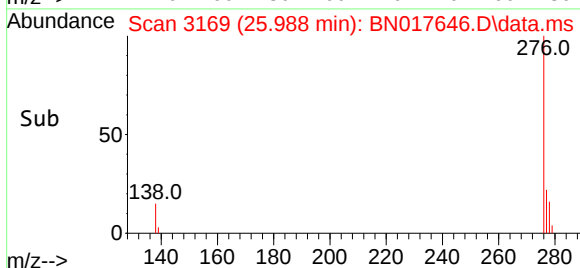
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

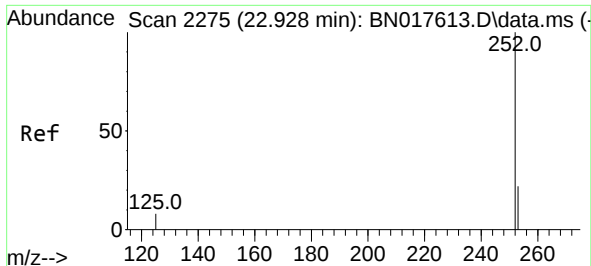


#36
Indeno(1,2,3-cd)pyrene
Concen: 2.140 ng
RT: 25.988 min Scan# 3169
Delta R.T. -0.013 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10



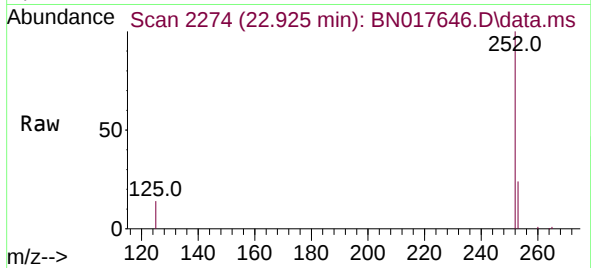
Tgt Ion:276 Resp: 450028
Ion Ratio Lower Upper
276 100
138 16.3 19.7 29.5
277 24.7 20.0 30.0





#37
Benzo(b)fluoranthene
Concen: 9.134 ng
RT: 22.925 min Scan# 2274
Delta R.T. -0.003 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

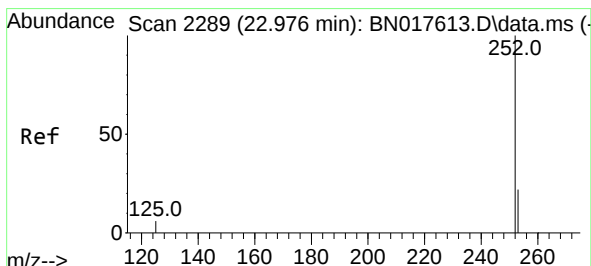
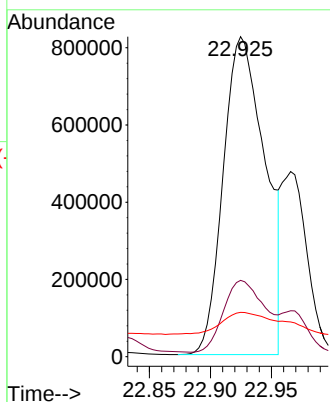
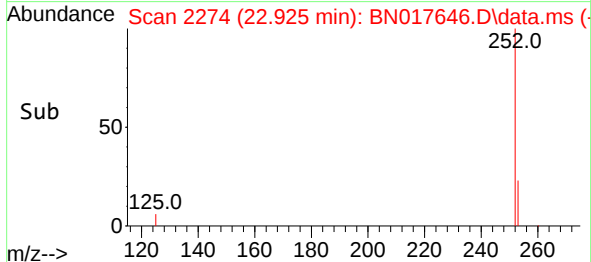
Instrument :
BNA_N
ClientSampleId :
CS-4A



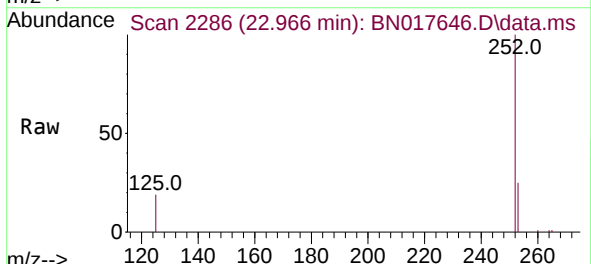
Tgt Ion:252 Resp: 196158
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 13.9 7.8 11.8

Manual Integrations
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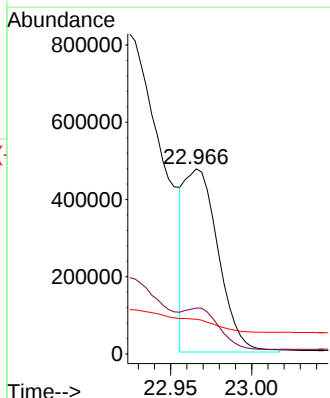
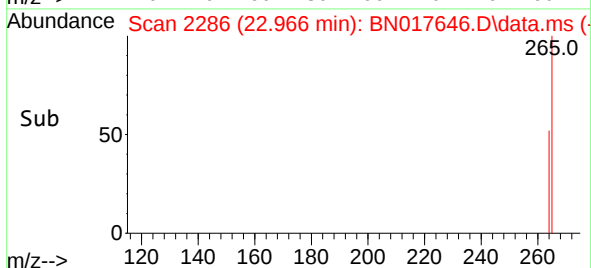
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

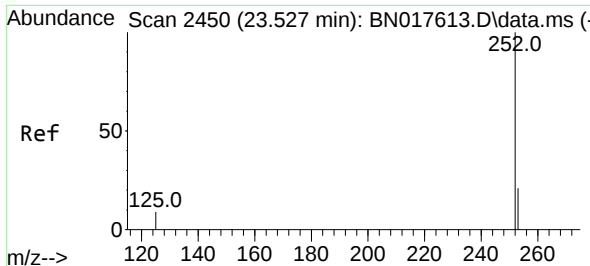


#38
Benzo(k)fluoranthene
Concen: 3.129 ng m
RT: 22.966 min Scan# 2286
Delta R.T. -0.010 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10



Tgt Ion:252 Resp: 688874
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 18.7 8.2 12.2





#39

Benzo(a)pyrene

Concen: 5.807 ng

RT: 23.517 min Scan# 24

Delta R.T. -0.010 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

Instrument :

BNA_N

ClientSampleId :

CS-4A

Tgt Ion:252 Resp: 111646

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

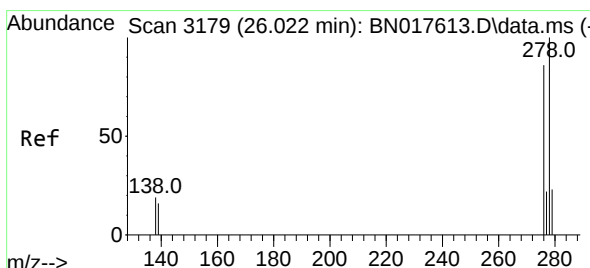
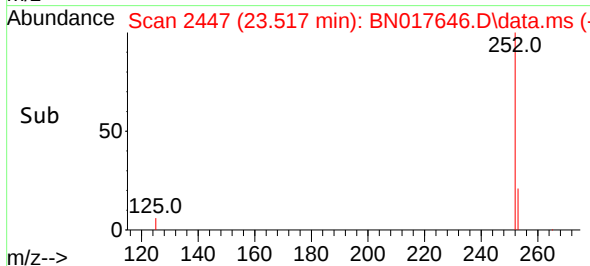
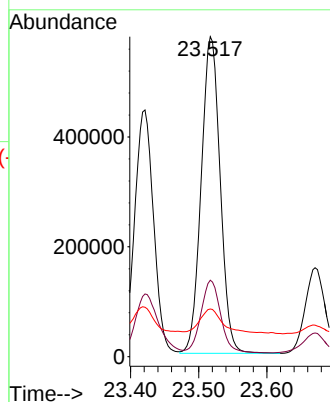
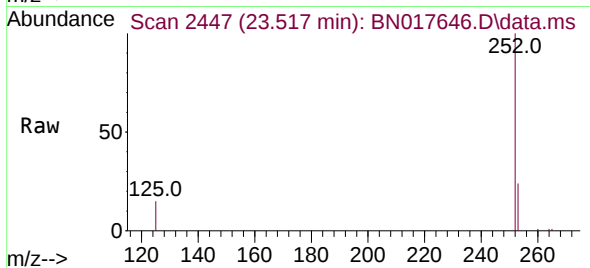
125 14.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/01/2021

Supervised By :mohammad ahmed 12/05/2021



#40

Dibenzo(a,h)anthracene

Concen: 0.683 ng

RT: 25.995 min Scan# 3171

Delta R.T. -0.027 min

Lab File: BN017646.D

Acq: 01 Dec 2021 12:10

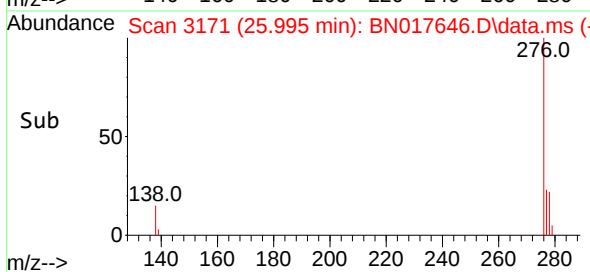
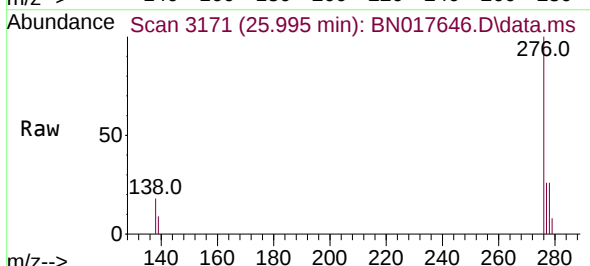
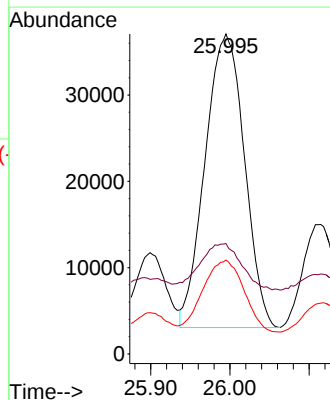
Tgt Ion:278 Resp: 117388

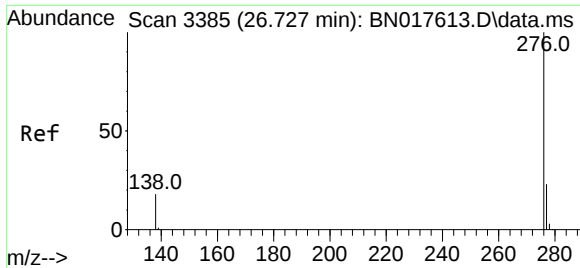
Ion Ratio Lower Upper

278 100

139 34.5 13.0 19.6#

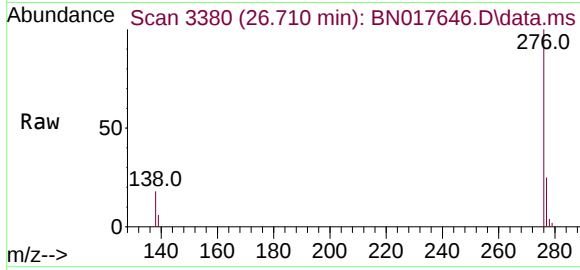
279 29.4 19.2 28.8#





#41
Benzo(g,h,i)perylene
Concen: 2.143 ng
RT: 26.710 min Scan# 31
Delta R.T. -0.017 min
Lab File: BN017646.D
Acq: 01 Dec 2021 12:10

Instrument :
BNA_N
ClientSampleId :
CS-4A



Tgt Ion:276 Resp: 378934
Ion Ratio Lower Upper
276 100
277 25.1 19.0 28.4
138 18.3 17.1 25.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

