

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017645.D
 Acq On : 01 Dec 2021 11:34
 Operator : CG/JU
 Sample : M4862-07
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-4B

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 12:07:32 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	21324	0.400	ng	0.00
7) Naphthalene-d8	10.548	136	88682	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	57023	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	118016	0.400	ng	#-0.01
29) Chrysene-d12	21.314	240	94049	0.400	ng	# 0.00
35) Perylene-d12	23.623	264	67294	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	243	0.005	ng	0.03
5) Phenol-d6	6.952	99	1131	0.022	ng	0.00
8) Nitrobenzene-d5	8.913	82	14454	0.384	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	46606	0.301	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	119	0.128	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	60396	0.272	ng	0.00
27) Fluoranthene-d10	19.154	212	117521m	0.319	ng	0.00
31) Terphenyl-d14	19.759	244	77720	0.377	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.598	128	70805	0.317	ng	99
12) 2-Methylnaphthalene	12.209	142	32584	0.221	ng	96
16) Acenaphthylene	14.105	152	144888	0.652	ng	98
17) Acenaphthene	14.448	154	56350	0.367	ng	98
18) Fluorene	15.425	166	114715	0.614	ng	# 93
24) Pentachlorophenol	16.788	266	513m	0.204	ng	
25) Phenanthrene	17.165	178	2102864	6.497	ng	99
26) Anthracene	17.250	178	386648	1.390	ng	# 93
28) Fluoranthene	19.189	202	3253448	8.882	ng	97
30) Pyrene	19.546	202	2731341	8.997	ng	# 95
32) Benzo(a)anthracene	21.293	228	1301449	4.556	ng	96
33) Chrysene	21.346	228	1288365	4.146	ng	96
34) Bis(2-ethylhexyl)phtha...	21.240	149	1966129	29.016	ng	97
36) Indeno(1,2,3-cd)pyrene	25.988	276	317197	1.452	ng	# 92
37) Benzo(b)fluoranthene	22.925	252	1287848	5.771	ng	# 88
38) Benzo(k)fluoranthene	22.966	252	461159m	2.016	ng	
39) Benzo(a)pyrene	23.520	252	726318	3.636	ng	# 89
40) Dibenzo(a,h)anthracene	26.002	278	81182	0.455	ng	# 60
41) Benzo(g,h,i)perylene	26.714	276	273990	1.491	ng	97

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

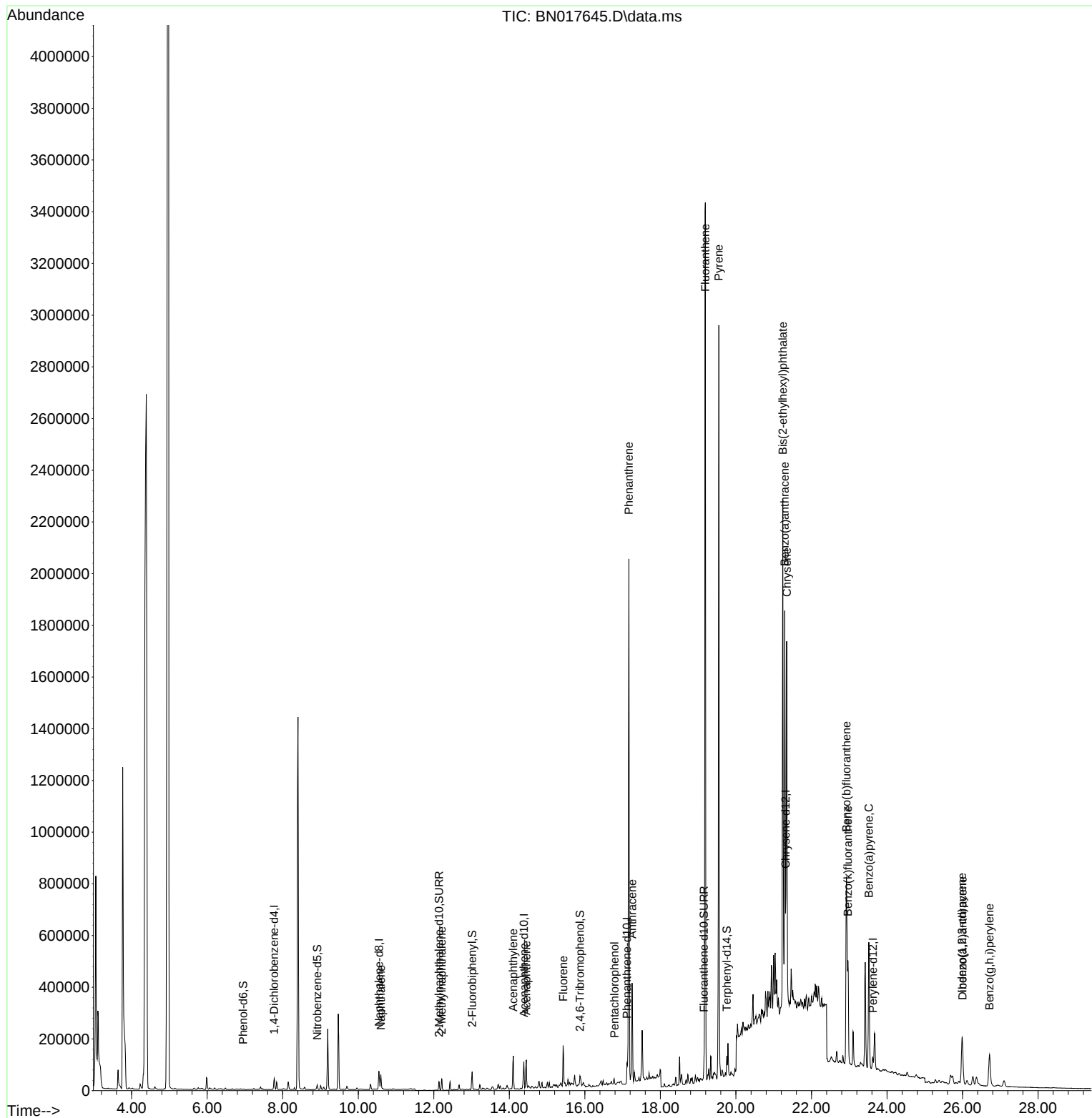
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
Data File : BN017645.D
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ALS Vial : 34 Sample Multiplier: 1

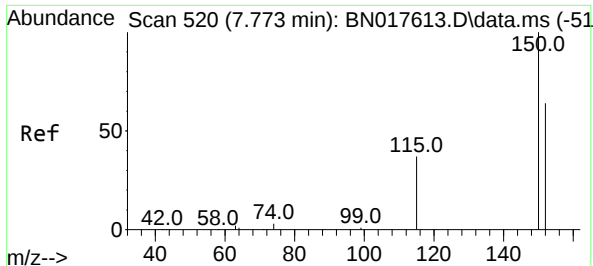
Instrument :
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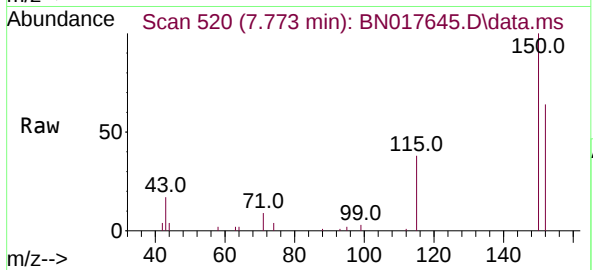
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

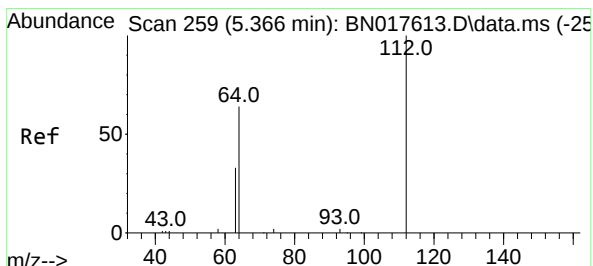
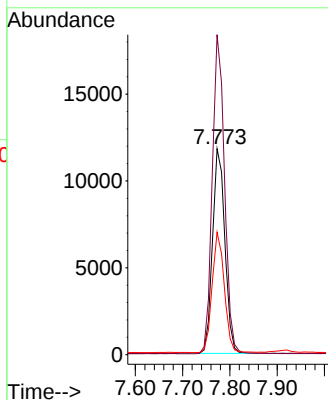
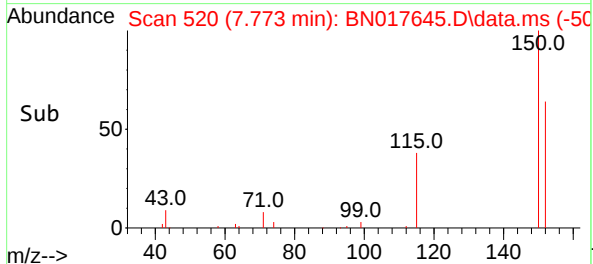
Instrument :
BNA_N
ClientSampleId :
CS-4B



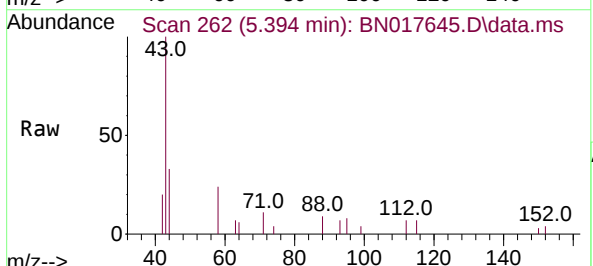
Tgt Ion:152 Resp: 21324
Ion Ratio Lower Upper
152 100
150 155.4 123.0 184.4
115 59.4 45.6 68.4

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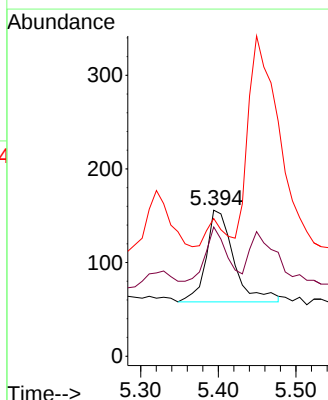
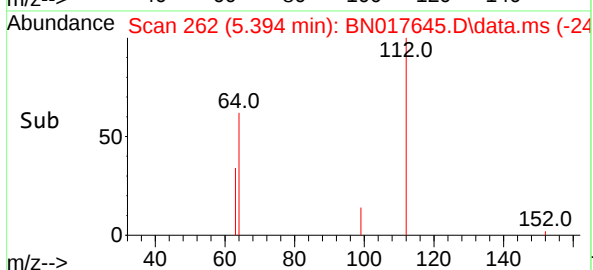
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

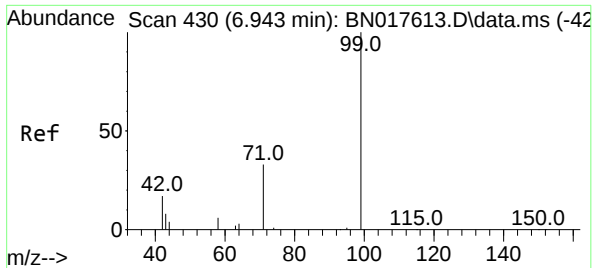


#4
2-Fluorophenol
Concen: 0.005 ng
RT: 5.394 min Scan# 262
Delta R.T. 0.028 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34



Tgt Ion:112 Resp: 243
Ion Ratio Lower Upper
112 100
64 44.0 47.6 71.4#
63 19.8 24.6 37.0#





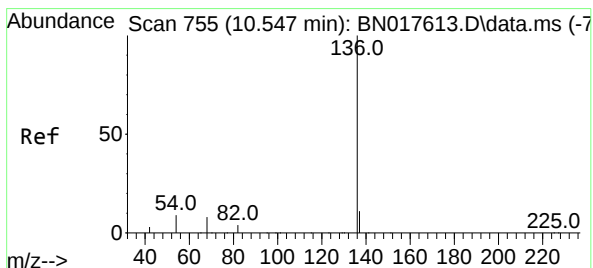
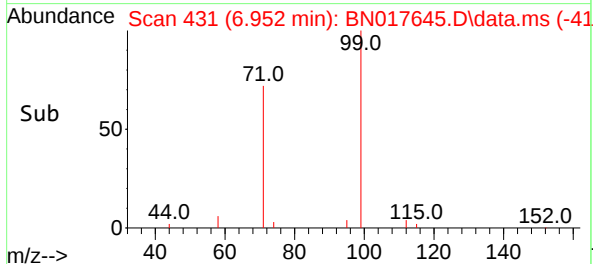
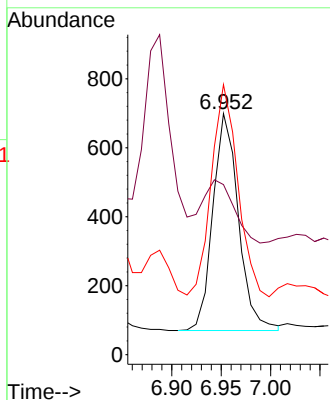
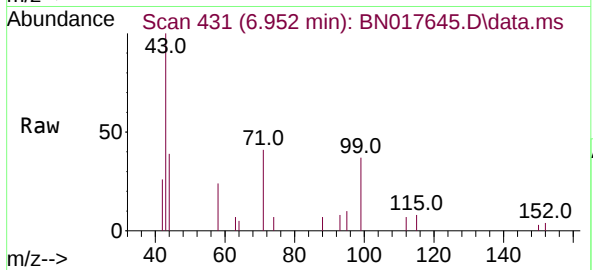
#5
Phenol-d6
Concen: 0.022 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.010 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Instrument :
BNA_N
ClientSampleId :
CS-4B

Tgt Ion: 99 Resp: 113
Ion Ratio Lower Upper
99 100
42 36.7 17.0 25.6
71 101.0 24.8 37.2

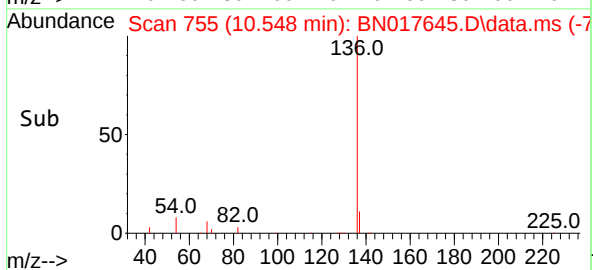
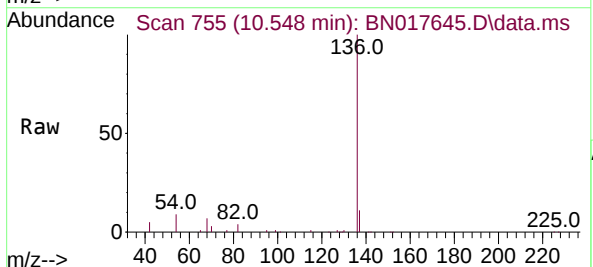
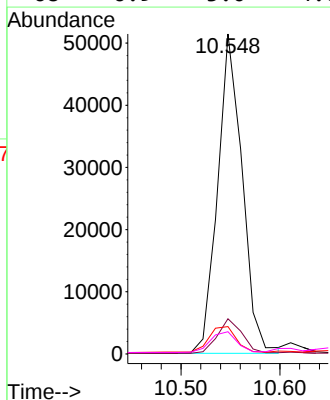
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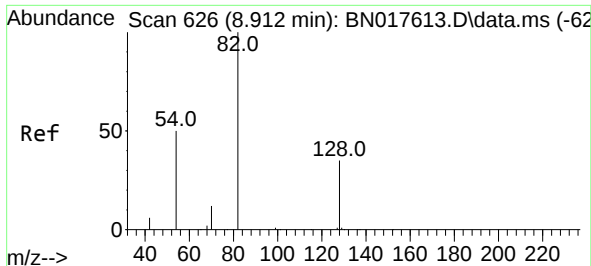
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.548 min Scan# 755
Delta R.T. 0.001 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion:136 Resp: 88682
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.6 4.0 6.0#
68 6.9 3.0 4.6#





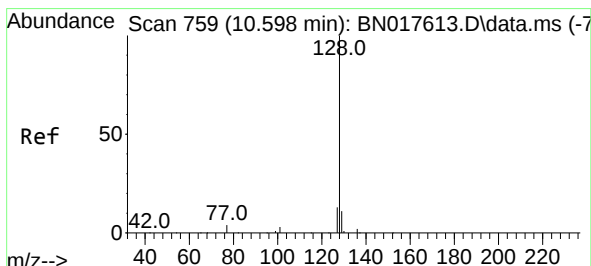
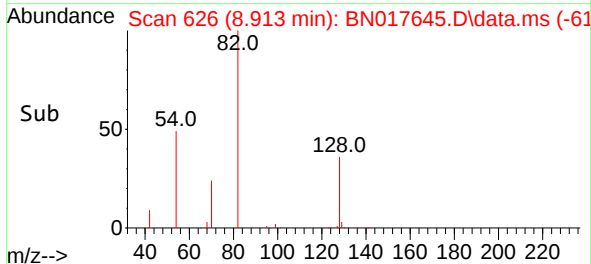
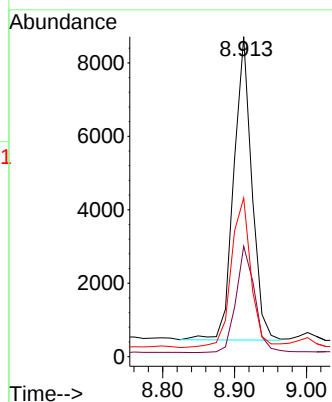
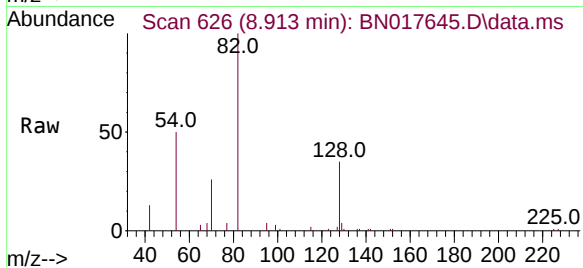
#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 8.913 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Instrument :
BNA_N
ClientSampleId :
CS-4B

Tgt Ion: 82 Resp: 14454
Ion Ratio Lower Upper
82 100
128 34.5 27.7 41.5
54 49.6 49.2 73.8

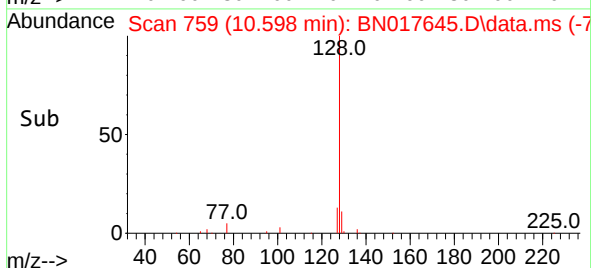
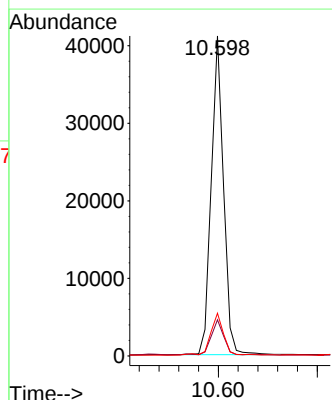
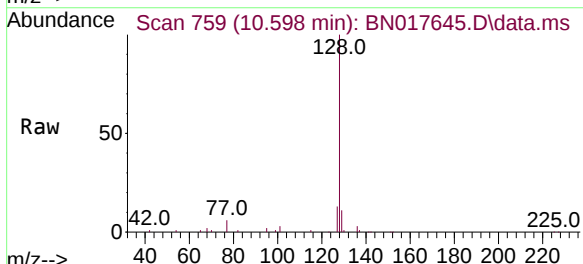
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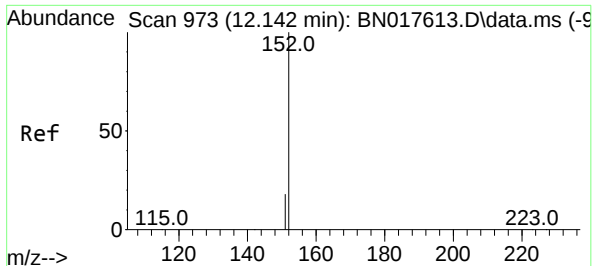
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#9
Naphthalene
Concen: 0.317 ng
RT: 10.598 min Scan# 759
Delta R.T. 0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion:128 Resp: 70805
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.4 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.301 ng

RT: 12.138 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017645.D

Acq: 01 Dec 2021 11:34

Instrument :

BNA_N

ClientSampleId :

CS-4B

Tgt Ion:152 Resp: 46600

Ion Ratio Lower Upper

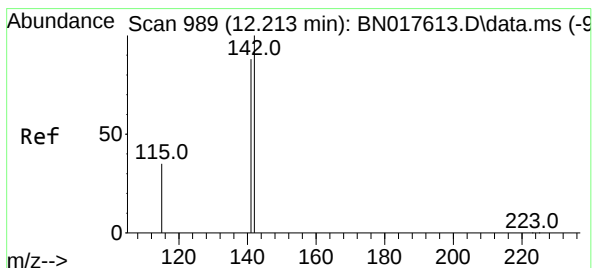
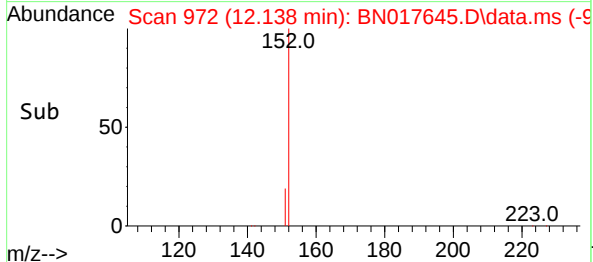
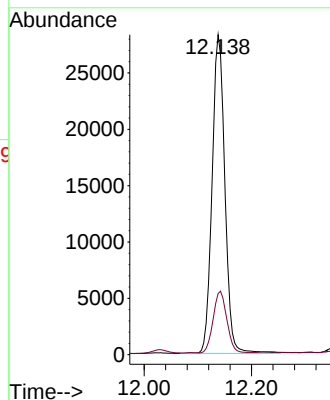
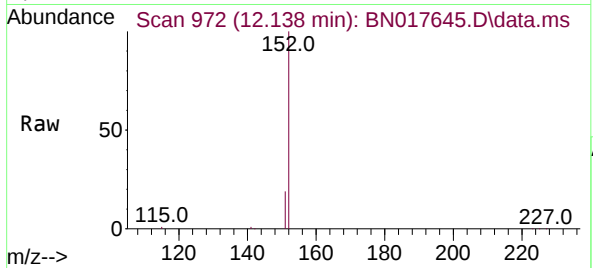
152 100

151 20.6 16.2 24.4

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#12

2-Methylnaphthalene

Concen: 0.221 ng

RT: 12.209 min Scan# 988

Delta R.T. -0.004 min

Lab File: BN017645.D

Acq: 01 Dec 2021 11:34

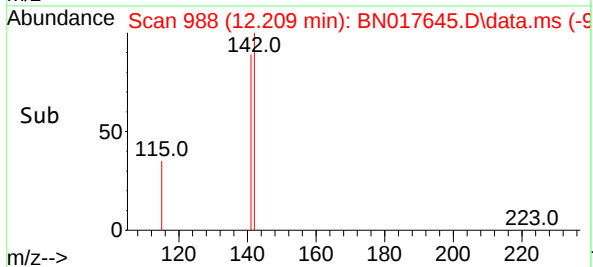
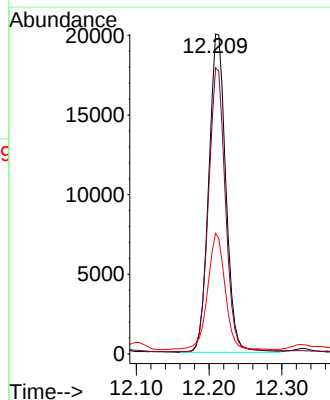
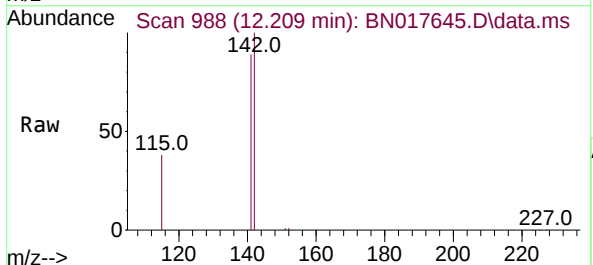
Tgt Ion:142 Resp: 32584

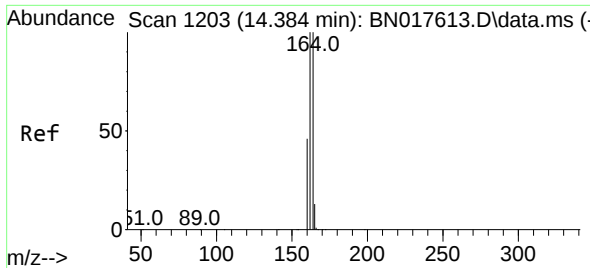
Ion Ratio Lower Upper

142 100

141 89.4 70.6 106.0

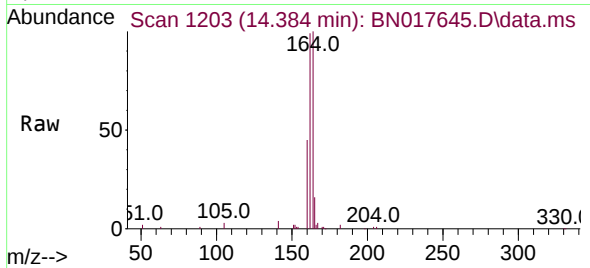
115 37.7 25.8 38.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.384 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

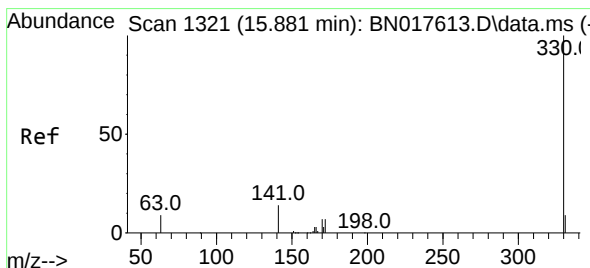
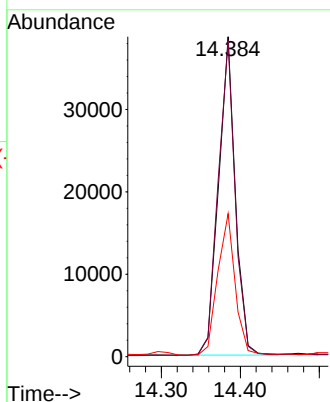
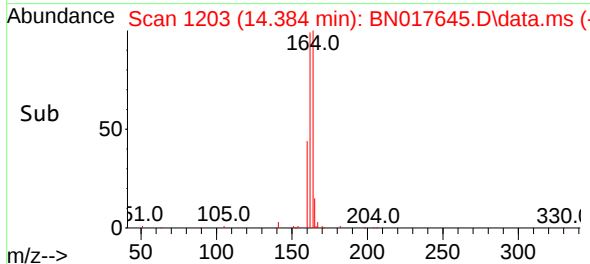
Instrument :
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ClientSampleId :
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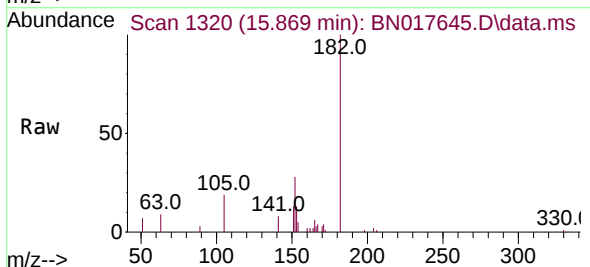
Tgt Ion:164 Resp: 5702
Ion Ratio Lower Upper
164 100
162 98.8 81.4 122.2
160 44.7 36.8 55.2

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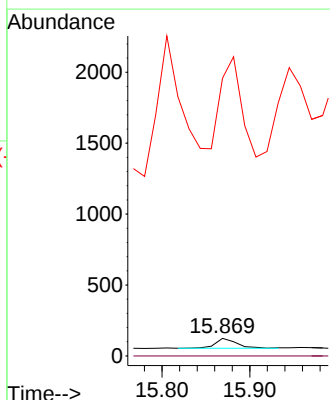
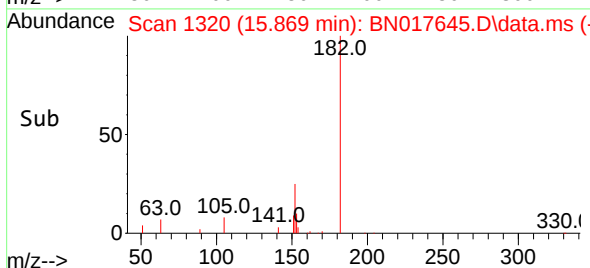
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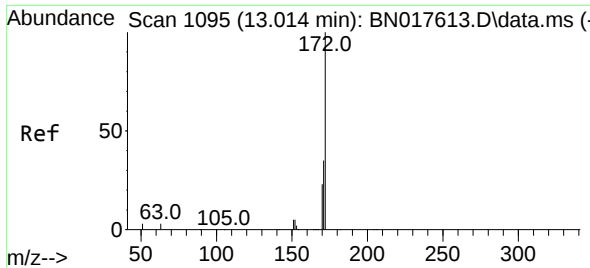


#14
2,4,6-Tribromophenol
Concen: 0.128 ng
RT: 15.869 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34



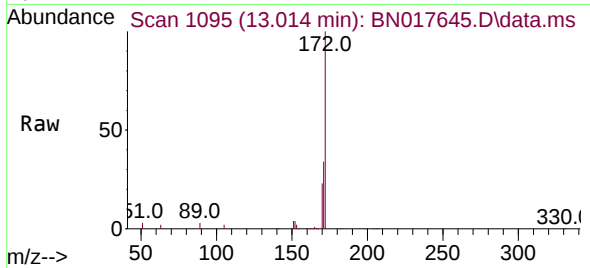
Tgt Ion:330 Resp: 119
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 949.6 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.272 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

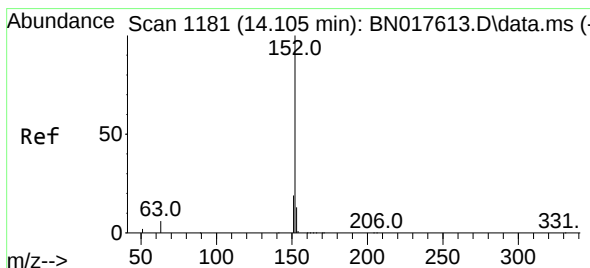
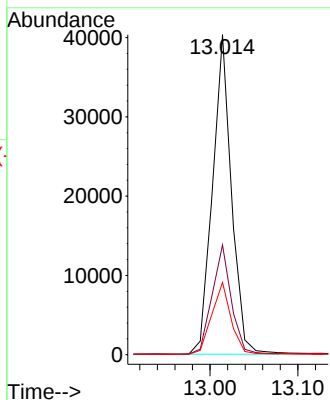
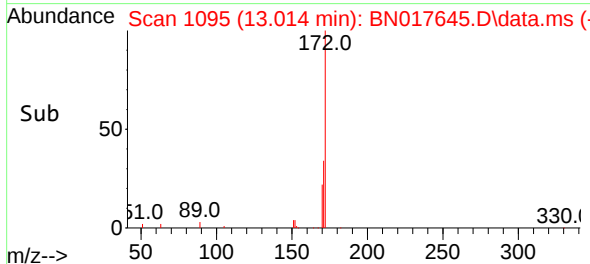
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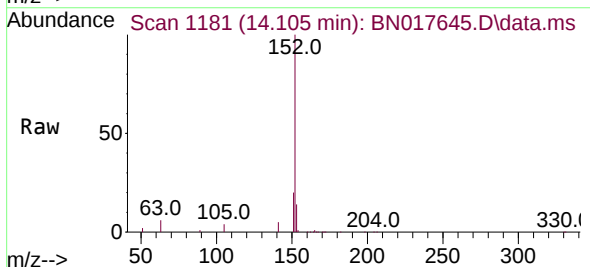
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Ion Ratio Lower Upper
172 100
171 34.3 28.7 43.1
170 22.6 19.4 29.2

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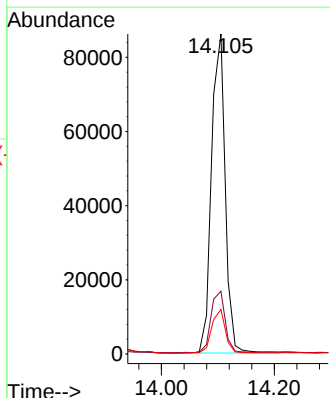
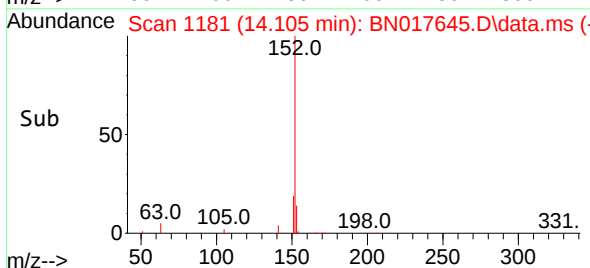
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

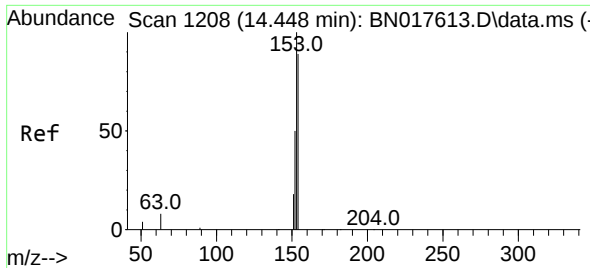


#16
Acenaphthylene
Concen: 0.652 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34



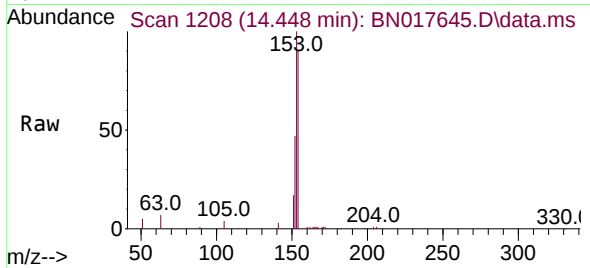
Tgt Ion:152 Resp: 144888
Ion Ratio Lower Upper
152 100
151 20.1 15.5 23.3
153 13.8 10.4 15.6





#17
Acenaphthene
Concen: 0.367 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

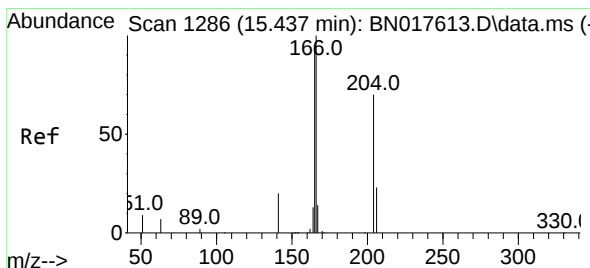
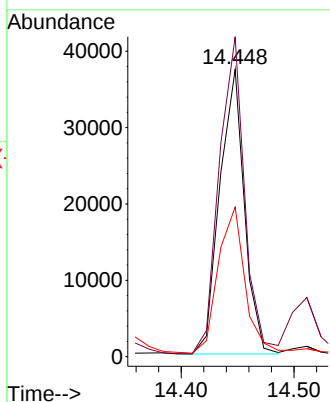
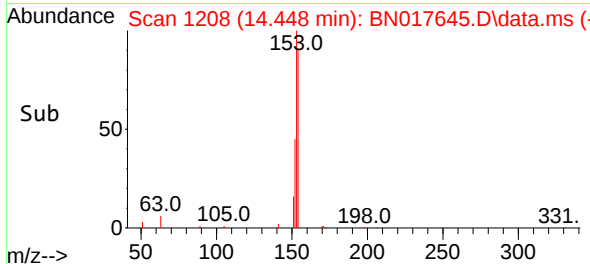
Instrument :
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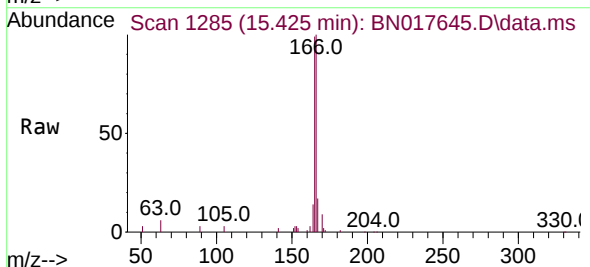
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Ion Ratio Lower Upper
154 100
153 115.2 91.2 136.8
152 58.2 44.3 66.5

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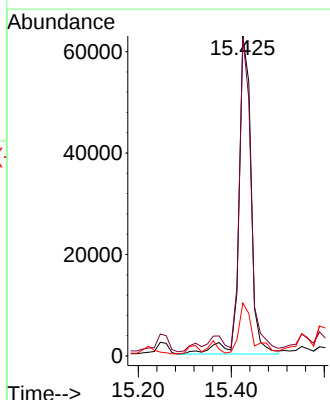
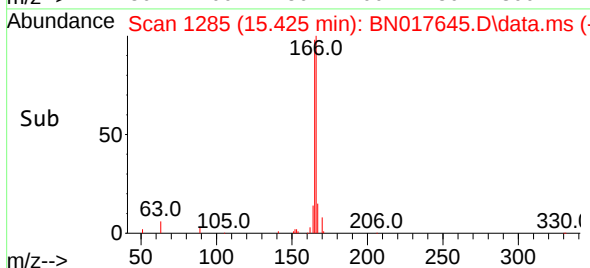
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

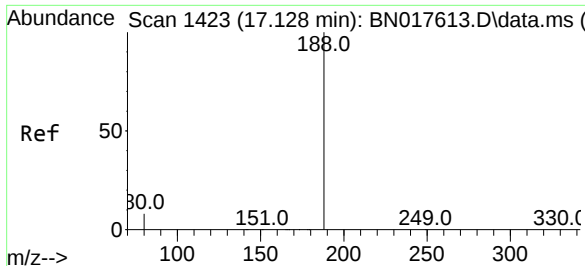


#18
Fluorene
Concen: 0.614 ng
RT: 15.425 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34



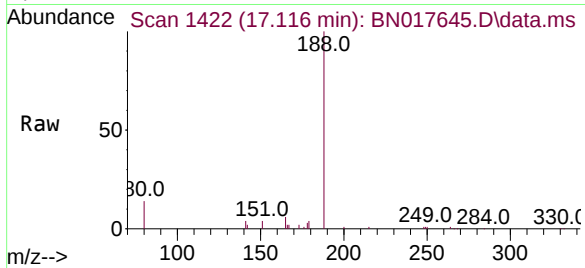
Tgt Ion:166 Resp: 114715
Ion Ratio Lower Upper
166 100
165 90.4 77.9 116.9
167 17.7 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

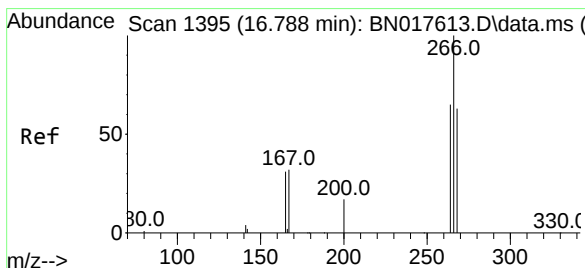
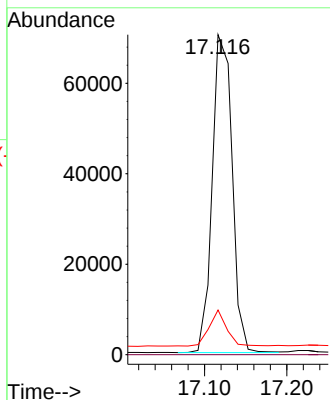
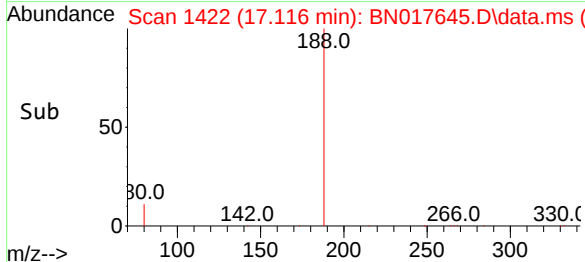
Instrument :
BNA_N
ClientSampleId :
CS-4B



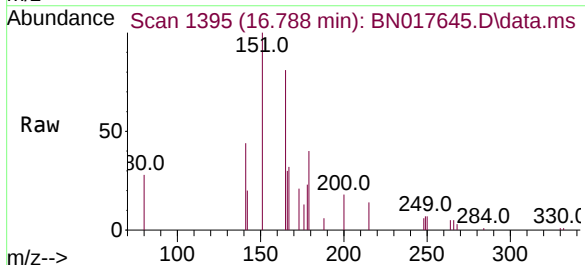
Tgt Ion:188 Resp: 118010
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.9 6.1 9.1

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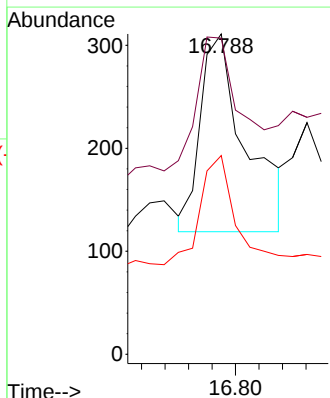
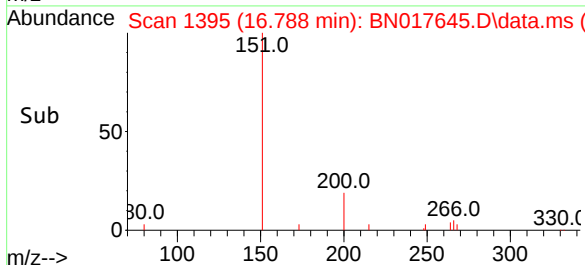
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

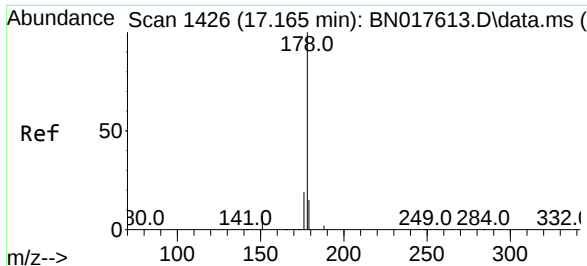


#24
Pentachlorophenol
Concen: 0.204 ng m
RT: 16.788 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34



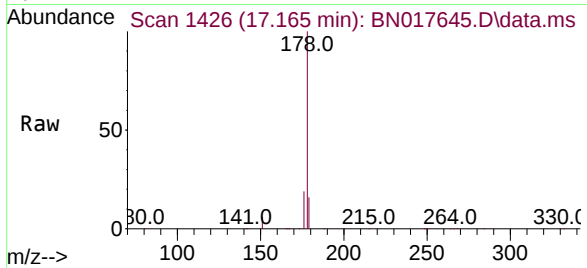
Tgt Ion:266 Resp: 513
Ion Ratio Lower Upper
266 100
264 73.9 49.8 74.8
268 43.1 51.3 76.9





#25
Phenanthrene
Concen: 6.497 ng
RT: 17.165 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

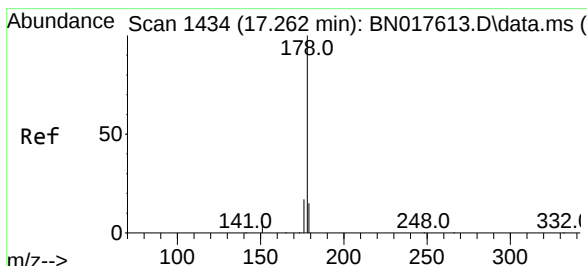
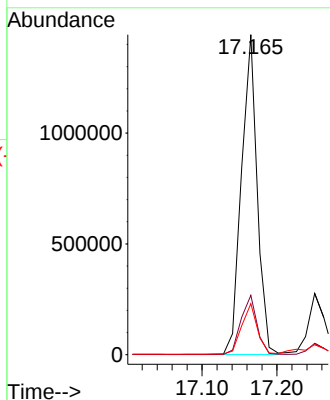
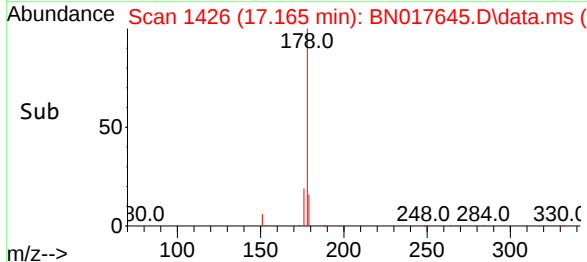
Instrument :
BNA_N
ClientSampleId :
CS-4B



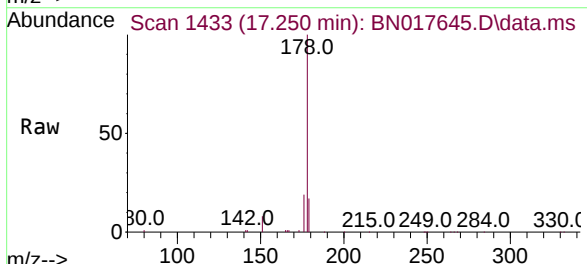
Tgt Ion:178 Resp: 2102864
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.9 12.3 18.5

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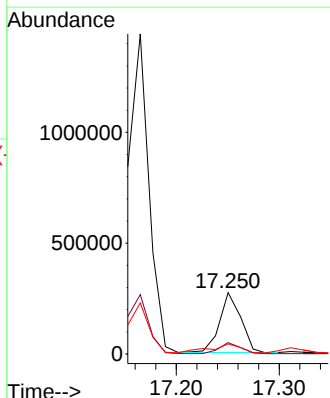
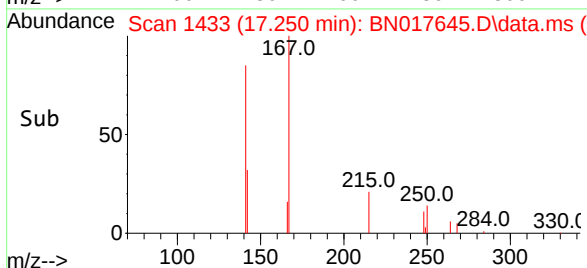
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

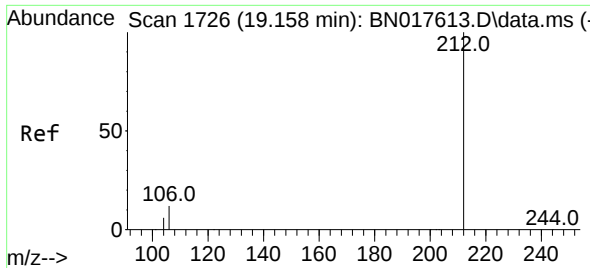


#26
Anthracene
Concen: 1.390 ng
RT: 17.250 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34



Tgt Ion:178 Resp: 386648
Ion Ratio Lower Upper
178 100
176 18.4 14.6 22.0
179 21.7 12.2 18.4#





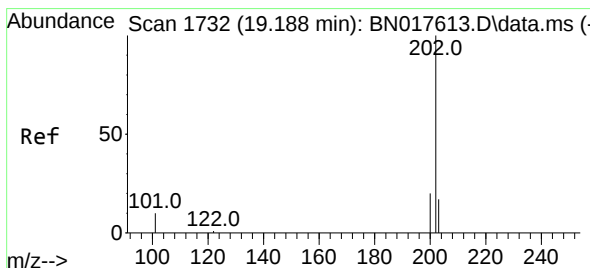
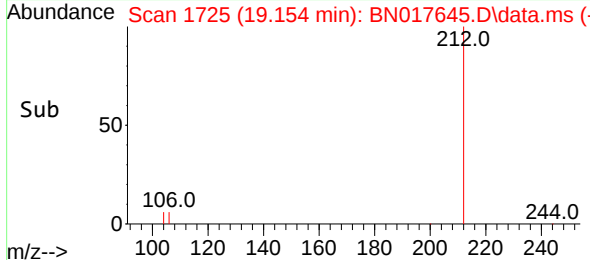
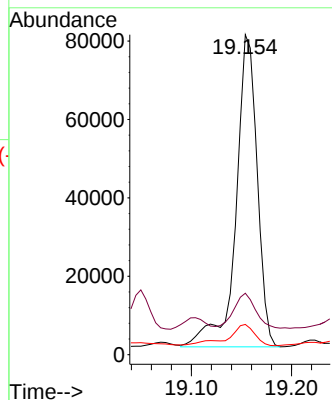
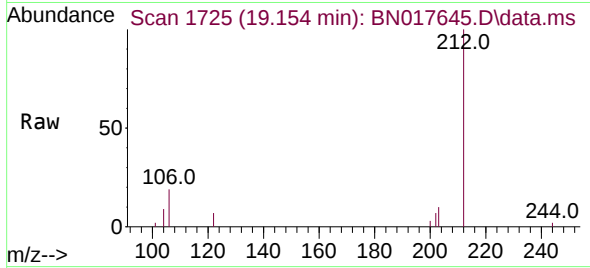
#27
Fluoranthene-d10
Concen: 0.319 ng m
RT: 19.154 min Scan# 1725
Delta R.T. -0.004 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Instrument :
BNA_N
ClientSampleId :
CS-4B

Tgt Ion:212 Resp: 11752
Ion Ratio Lower Upper
212 100
106 11.3 10.5 15.7
104 6.8 5.8 8.6

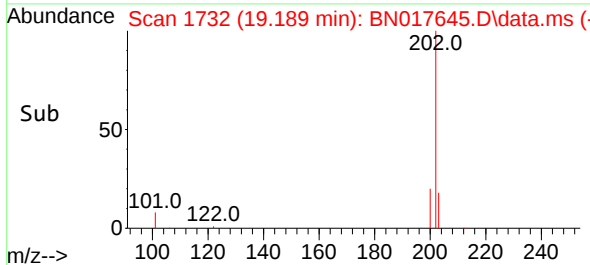
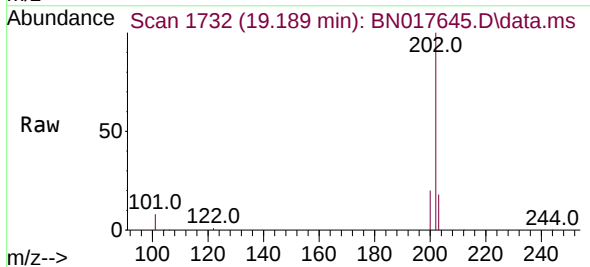
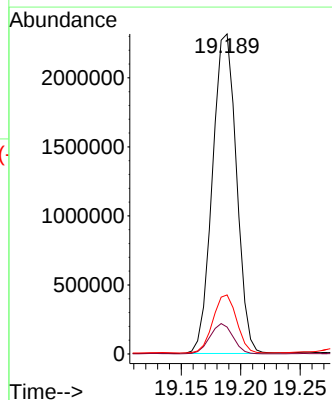
Manual Integrations
APPROVED

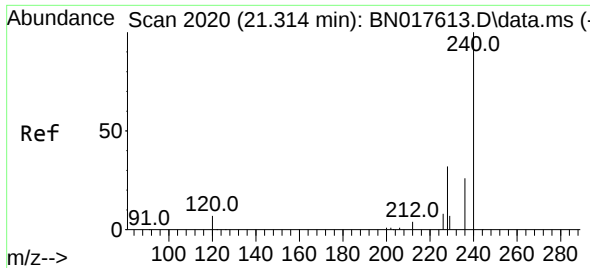
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#28
Fluoranthene
Concen: 8.882 ng
RT: 19.189 min Scan# 1732
Delta R.T. 0.001 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

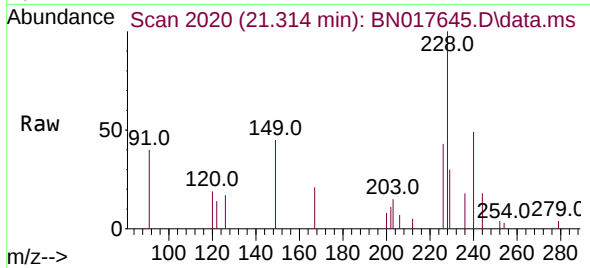
Tgt Ion:202 Resp: 3253448
Ion Ratio Lower Upper
202 100
101 9.0 8.9 13.3
203 17.8 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

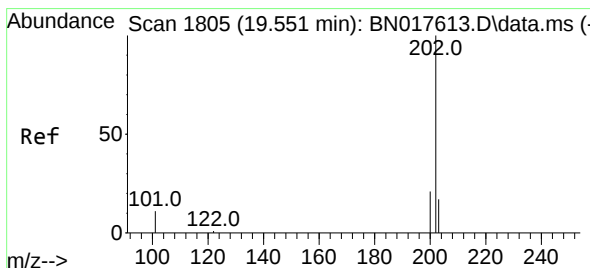
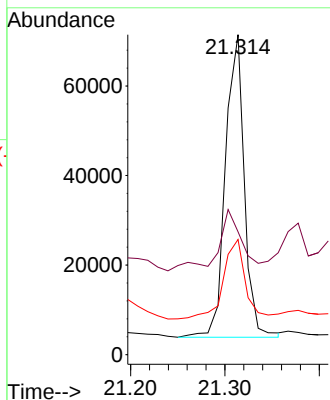
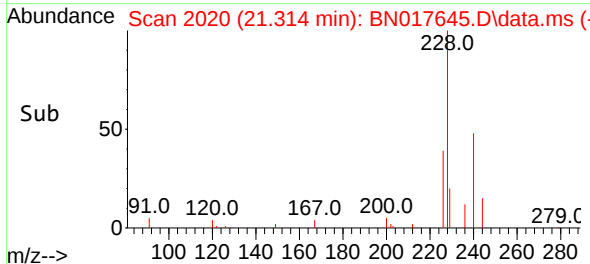
Instrument :
BNA_N
ClientSampleId :
CS-4B



Tgt Ion:240 Resp: 94049
Ion Ratio Lower Upper
240 100
120 38.4 4.2 6.2
236 36.0 20.0 30.0

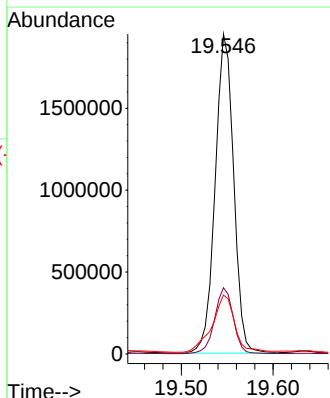
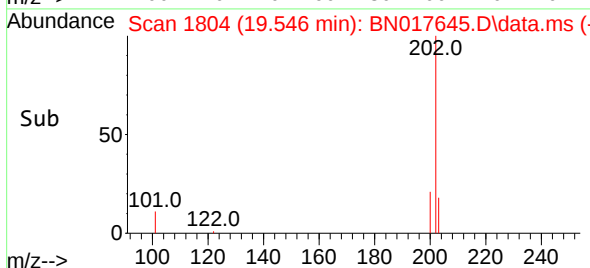
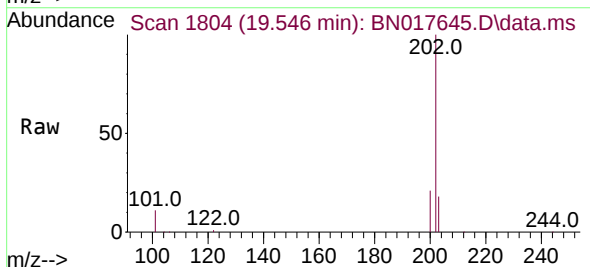
Manual Integrations
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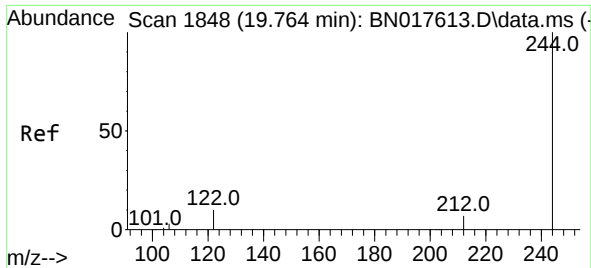
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#30
Pyrene
Concen: 8.997 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

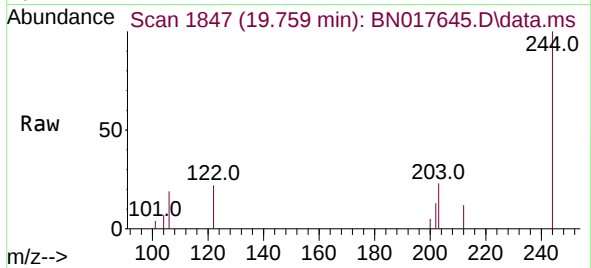
Tgt Ion:202 Resp: 2731341
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 21.9 14.0 21.0





#31
 Terphenyl-d14
 Concen: 0.377 ng
 RT: 19.759 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BN017645.D
 Acq: 01 Dec 2021 11:34

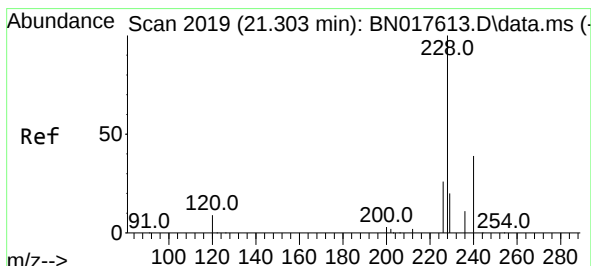
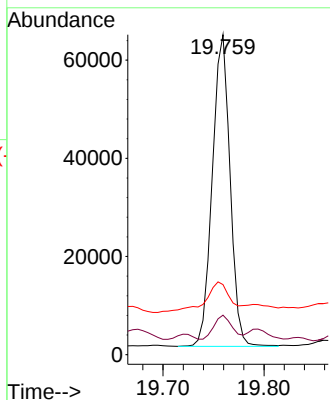
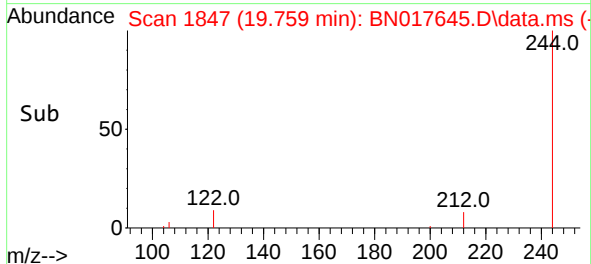
Instrument :
 BNA_N
 ClientSampleId :
 CS-4B



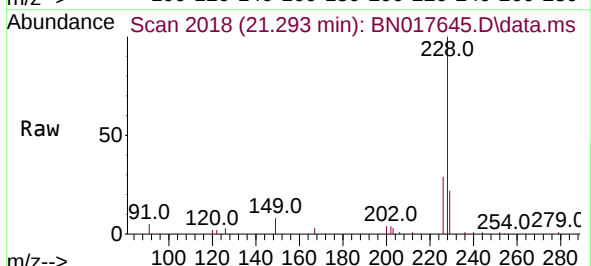
Tgt Ion:244 Resp: 77720
 Ion Ratio Lower Upper
 244 100
 212 12.4 5.7 8.5
 122 21.9 8.6 13.0

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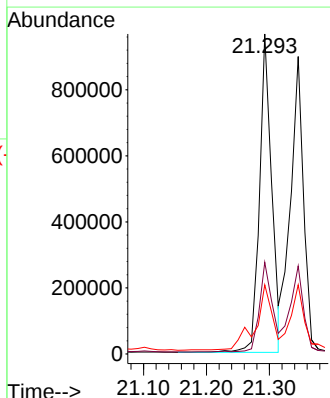
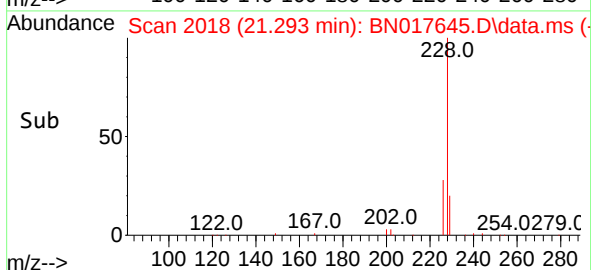
Reviewed By :Jagrut Upadhyay 12/01/2021
 Supervised By :mohammad ahmed 12/05/2021

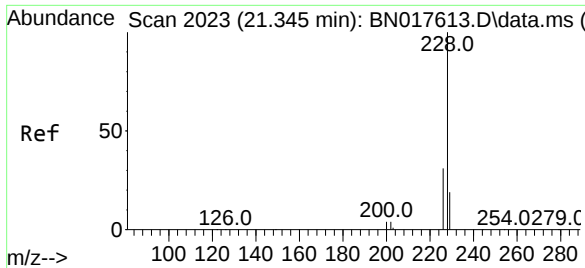


#32
 Benzo(a)anthracene
 Concen: 4.556 ng
 RT: 21.293 min Scan# 2018
 Delta R.T. -0.010 min
 Lab File: BN017645.D
 Acq: 01 Dec 2021 11:34



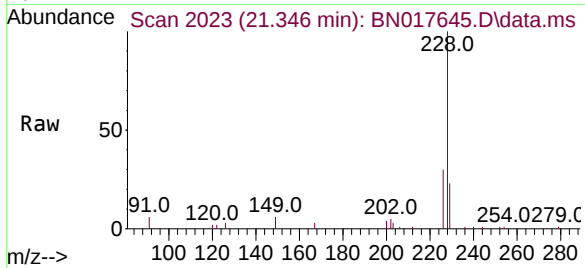
Tgt Ion:228 Resp: 1301449
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.3 31.9
 229 21.6 15.7 23.5





#33
Chrysene
Concen: 4.146 ng
RT: 21.346 min Scan# 2023
Delta R.T. 0.001 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

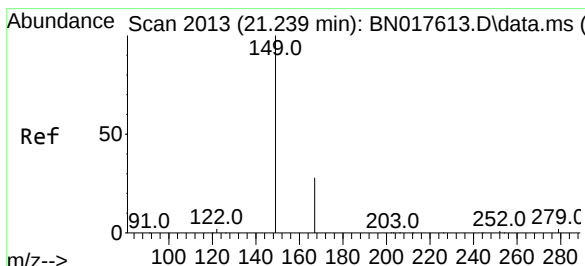
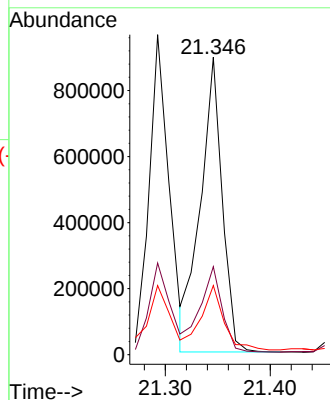
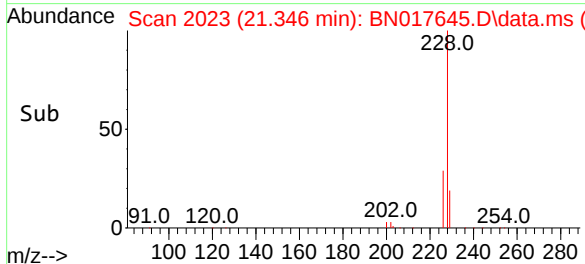
Instrument :
BNA_N
ClientSampleId :
CS-4B



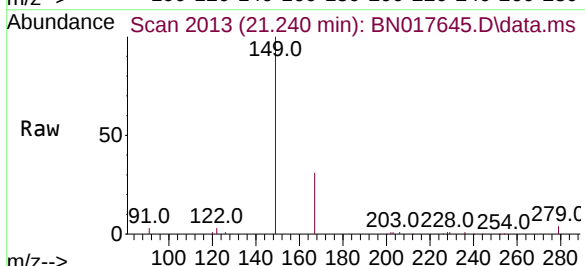
Tgt Ion:228 Resp: 128836
Ion Ratio Lower Upper
228 100
226 29.6 23.3 34.9
229 23.2 15.6 23.4

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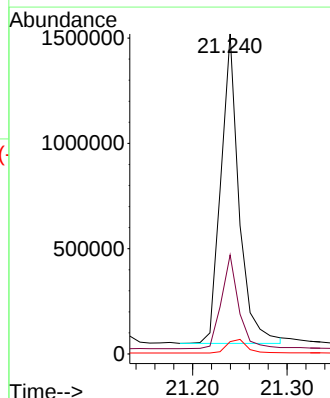
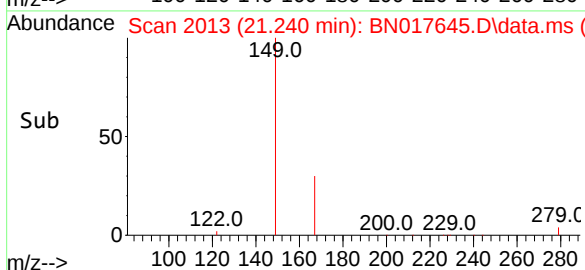
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

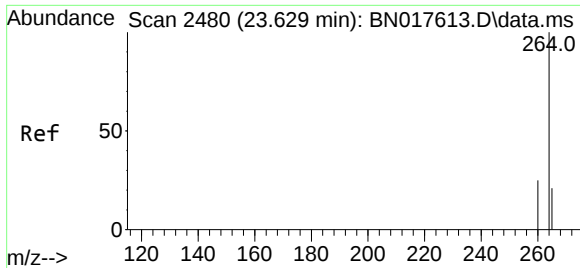


#34
Bis(2-ethylhexyl)phthalate
Concen: 29.016 ng
RT: 21.240 min Scan# 2013
Delta R.T. 0.001 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34



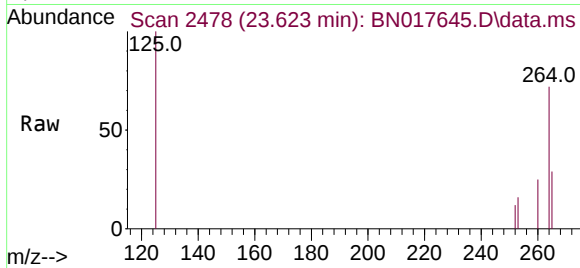
Tgt Ion:149 Resp: 1966129
Ion Ratio Lower Upper
149 100
167 28.9 21.8 32.6
279 4.9 3.4 5.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.623 min Scan# 2480
Delta R.T. -0.007 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

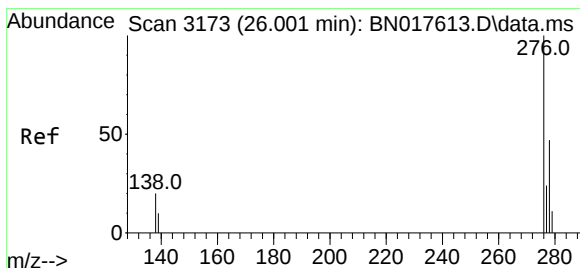
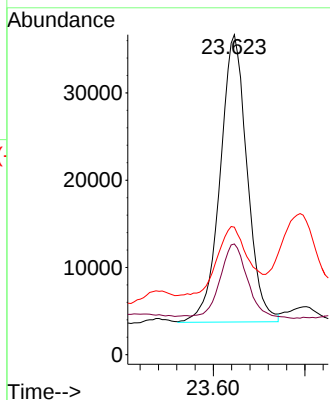
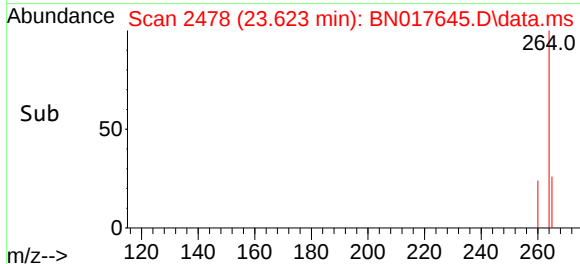
Instrument :
BNA_N
ClientSampleId :
CS-4B



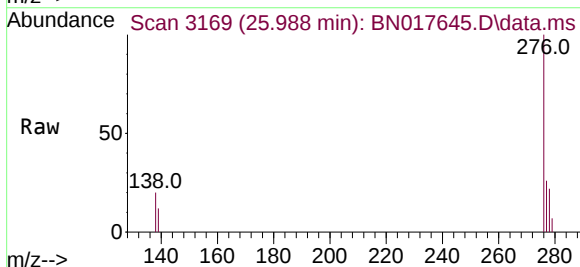
Tgt Ion:264 Resp: 67294
Ion Ratio Lower Upper
264 100
260 34.6 19.4 29.2
265 39.8 18.6 28.0

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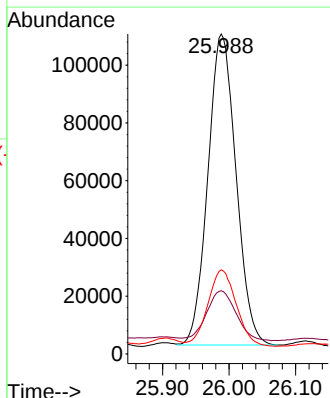
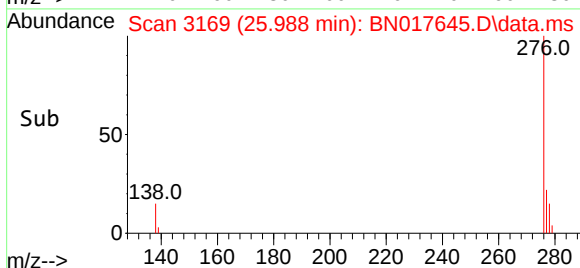
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

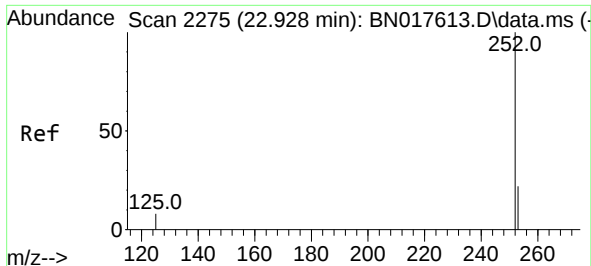


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.452 ng
RT: 25.988 min Scan# 3169
Delta R.T. -0.013 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34



Tgt Ion:276 Resp: 317197
Ion Ratio Lower Upper
276 100
138 16.8 19.7 29.5
277 24.9 20.0 30.0





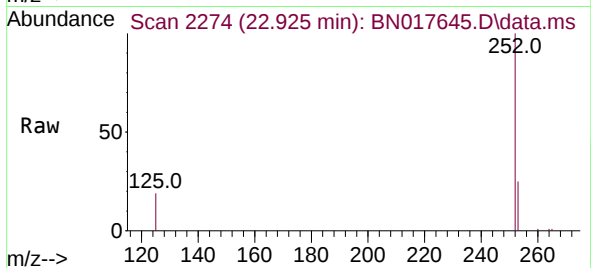
#37
Benzo(b)fluoranthene
Concen: 5.771 ng
RT: 22.925 min Scan# 2274
Delta R.T. -0.003 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Instrument :

BNA_N

ClientSampleId :

CS-4B

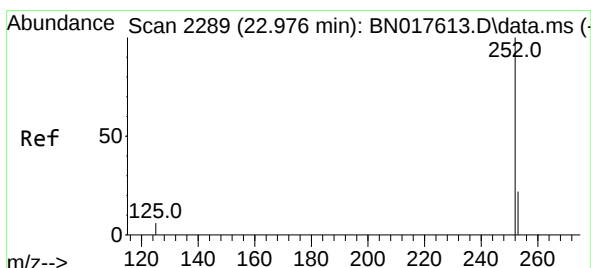
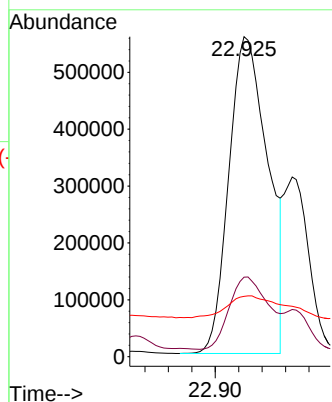
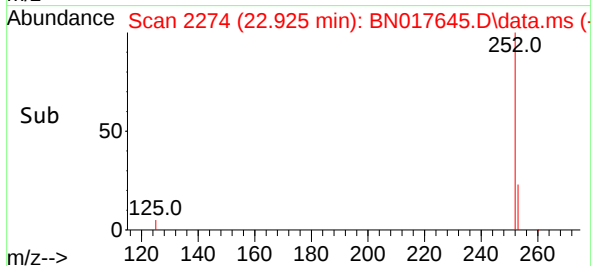


Tgt Ion:252 Resp: 128784
Ion Ratio Lower Upper
252 100
253 24.9 17.7 26.5
125 18.9 7.8 11.8

Manual Integrations

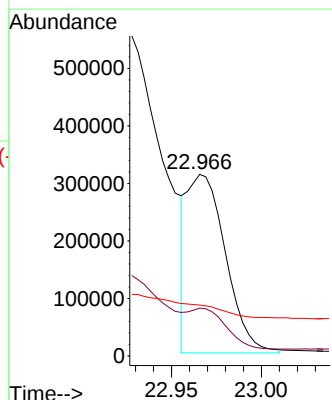
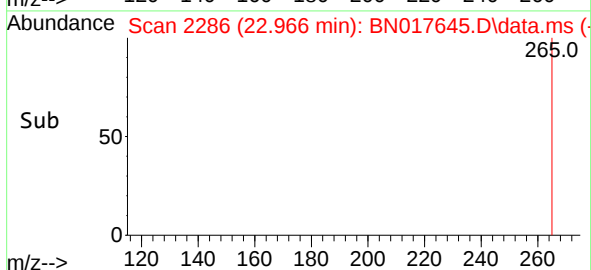
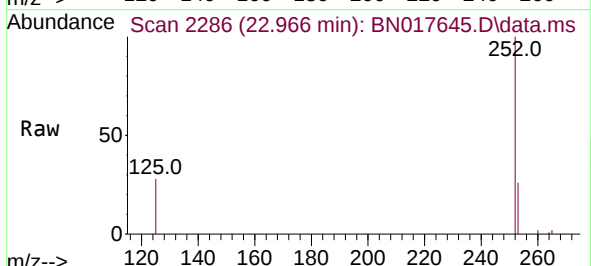
APPROVED

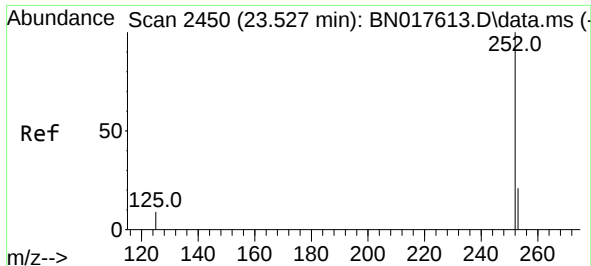
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#38
Benzo(k)fluoranthene
Concen: 2.016 ng m
RT: 22.966 min Scan# 2286
Delta R.T. -0.010 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Tgt Ion:252 Resp: 461159
Ion Ratio Lower Upper
252 100
253 26.3 17.7 26.5
125 28.0 8.2 12.2





#39

Benzo(a)pyrene

Concen: 3.636 ng

RT: 23.520 min Scan# 2448

Delta R.T. -0.007 min

Lab File: BN017645.D

Acq: 01 Dec 2021 11:34

Instrument :

BN017645.D

ClientSampleId :

CS-4B

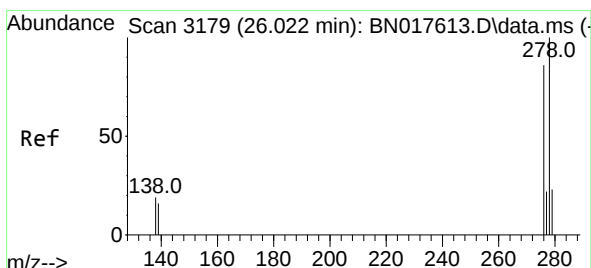
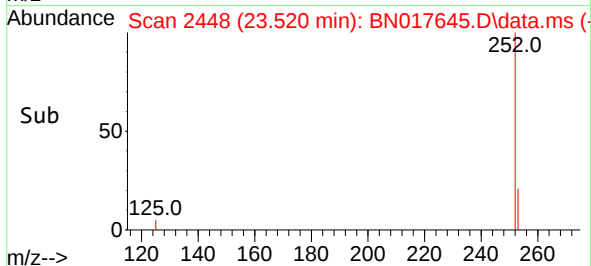
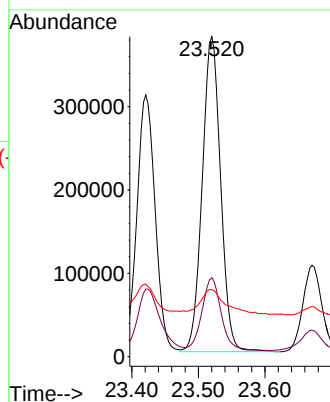
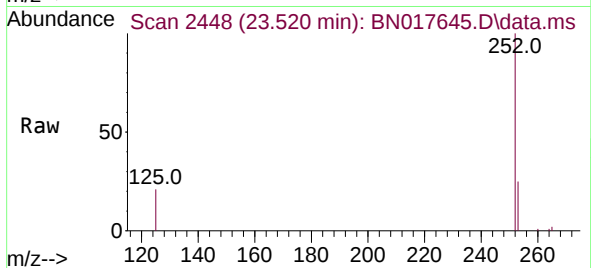
Tgt Ion:252 Resp: 726318

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	20.9	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: 0.455 ng

RT: 26.002 min Scan# 3173

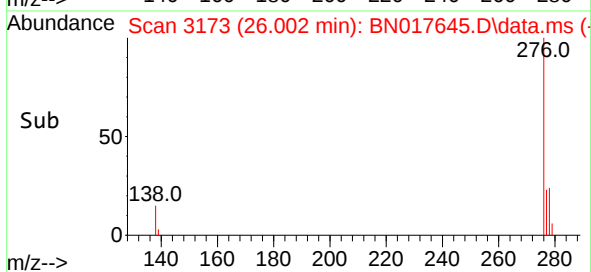
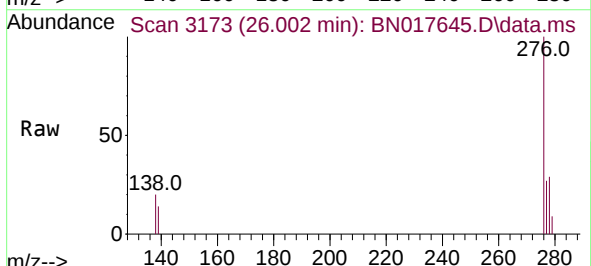
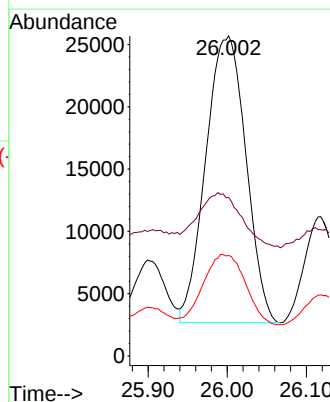
Delta R.T. -0.020 min

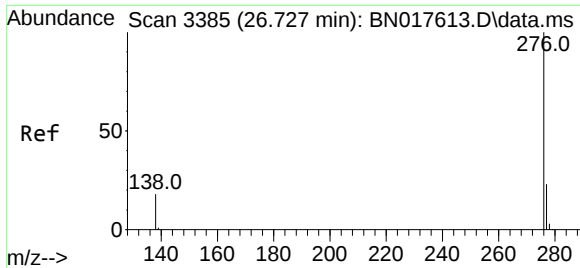
Lab File: BN017645.D

Acq: 01 Dec 2021 11:34

Tgt Ion:278 Resp: 81182

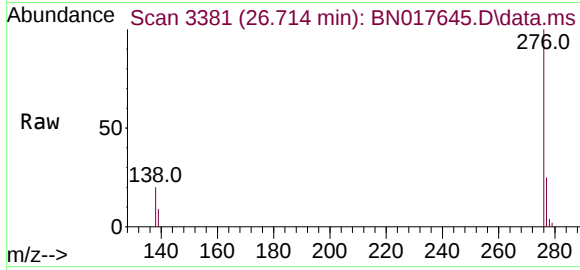
Ion	Ratio	Lower	Upper
278	100		
139	49.5	13.0	19.6#
279	31.4	19.2	28.8#





#41
Benzo(g,h,i)perylene
Concen: 1.491 ng
RT: 26.714 min Scan# 31
Delta R.T. -0.013 min
Lab File: BN017645.D
Acq: 01 Dec 2021 11:34

Instrument :
BNA_N
ClientSampleId :
CS-4B



Tgt Ion:276 Resp: 273990
Ion Ratio Lower Upper
276 100
277 25.5 19.0 28.4
138 19.9 17.1 25.7

Manual Integrations
APPROVED

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

