

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017635.D
 Acq On : 01 Dec 2021 05:35
 Operator : CG/JU
 Sample : M4862-13
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-7B

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 06:05:10 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	25736	0.400	ng	0.00
7) Naphthalene-d8	10.547	136	107734	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	64729	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	133457	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	124397	0.400	ng	#-0.01
35) Perylene-d12	23.616	264	117187	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	16812	0.288	ng	0.03
5) Phenol-d6	6.952	99	17999	0.291	ng	0.00
8) Nitrobenzene-d5	8.912	82	13558	0.296	ng	0.00
11) 2-Methylnaphthalene-d10	12.137	152	50415	0.268	ng	0.00
14) 2,4,6-Tribromophenol	15.868	330	4508	0.236	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	64026	0.254	ng	0.00
27) Fluoranthene-d10	19.153	212	116443	0.279	ng	0.00
31) Terphenyl-d14	19.759	244	81723	0.300	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.598	128	38625	0.142	ng	100
12) 2-Methylnaphthalene	12.213	142	8178	0.046	ng	97
16) Acenaphthylene	14.105	152	40024	0.159	ng	99
17) Acenaphthene	14.447	154	11433	0.066	ng	97
18) Fluorene	15.437	166	25160m	0.119	ng	
25) Phenanthrene	17.165	178	648622	1.772	ng	100
26) Anthracene	17.250	178	127109	0.404	ng	# 91
28) Fluoranthene	19.183	202	1070578	2.585	ng	98
30) Pyrene	19.545	202	842054	2.097	ng	97
32) Benzo(a)anthracene	21.292	228	440589	1.166	ng	95
33) Chrysene	21.345	228	413427	1.006	ng	97
34) Bis(2-ethylhexyl)phtha...	21.239	149	29447	0.329	ng	98
36) Indeno(1,2,3-cd)pyrene	25.981	276	225491	0.593	ng	# 92
37) Benzo(b)fluoranthene	22.917	252	493337	1.270	ng	97
38) Benzo(k)fluoranthene	22.962	252	189567m	0.476	ng	
39) Benzo(a)pyrene	23.513	252	307613	0.884	ng	98
40) Dibenzo(a,h)anthracene	25.994	278	52215	0.168	ng	# 86
41) Benzo(g,h,i)perylene	26.706	276	218074	0.682	ng	96

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

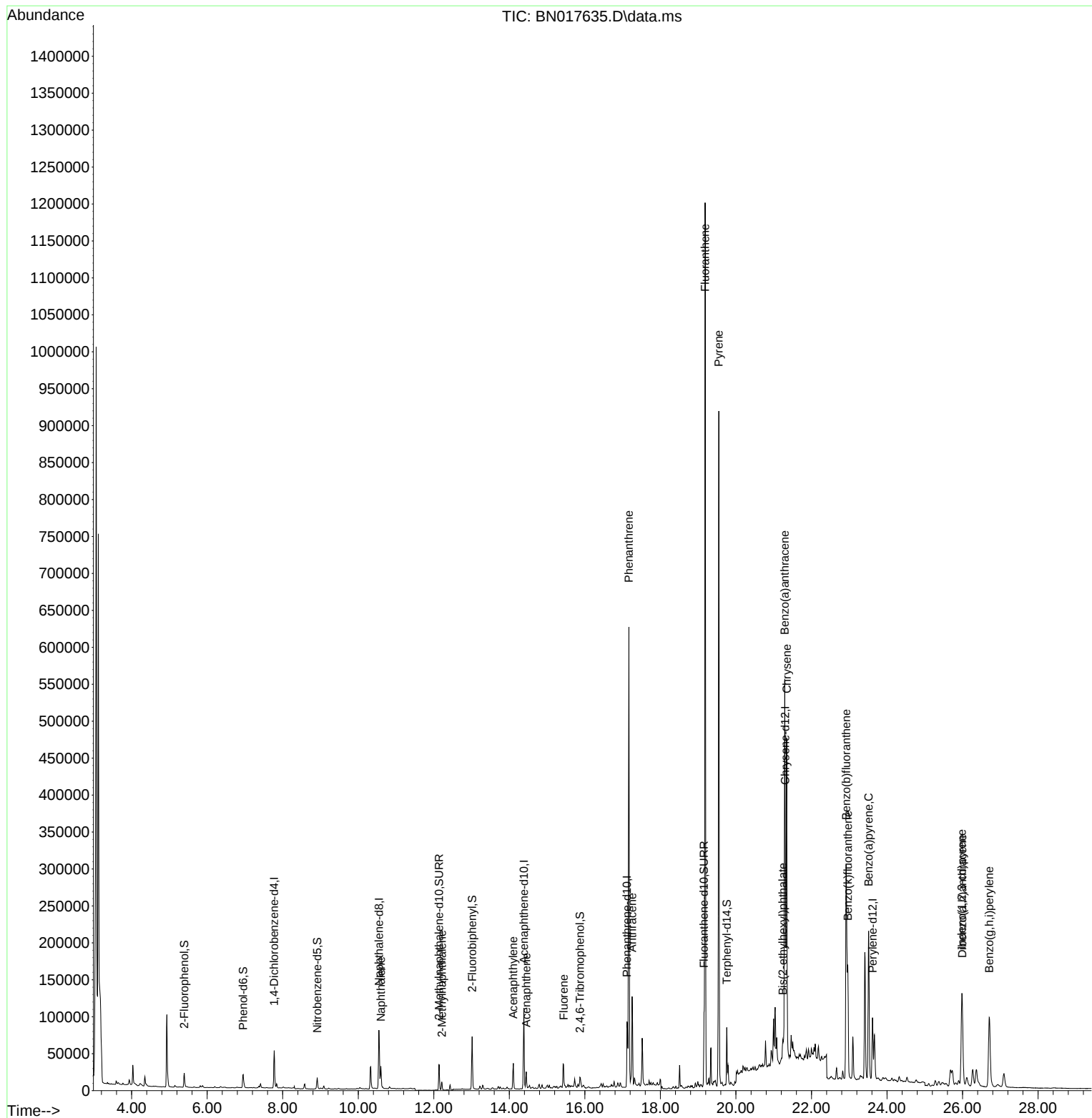
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
Data File : BN017635.D
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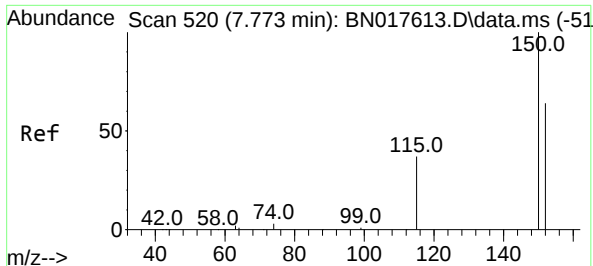
Instrument :
BNA_N
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CS-7B

Quant Time: Dec 01 06:05:10 2021
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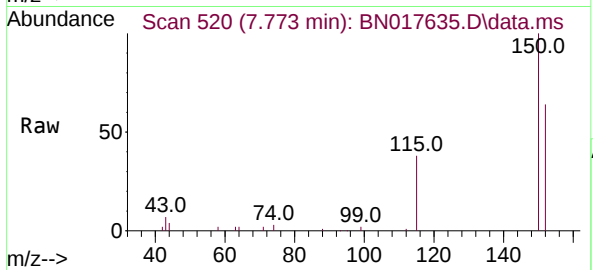
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

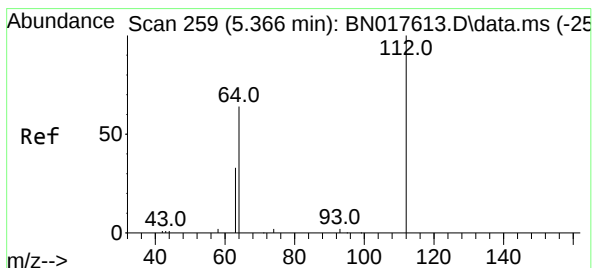
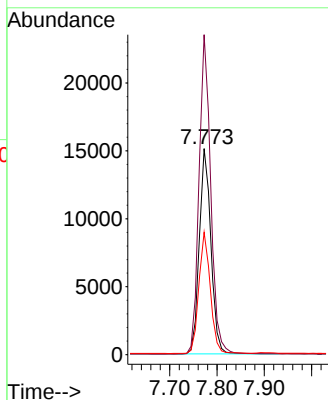
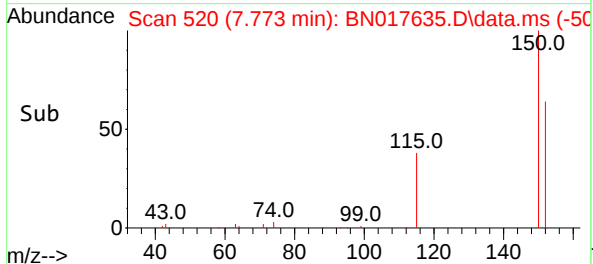
Instrument :
BNA_N
ClientSampleId :
CS-7B



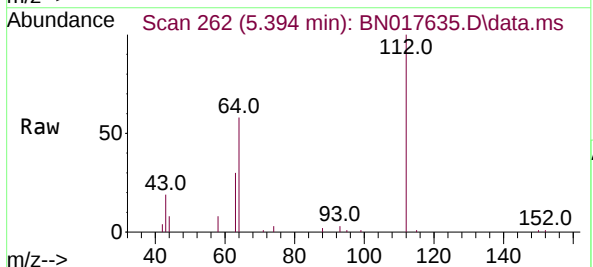
Tgt Ion:152 Resp: 25730
Ion Ratio Lower Upper
152 100
150 155.2 123.0 184.4
115 59.4 45.6 68.4

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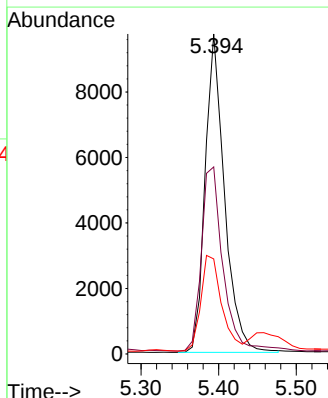
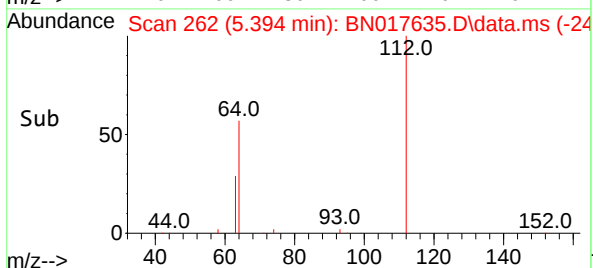
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

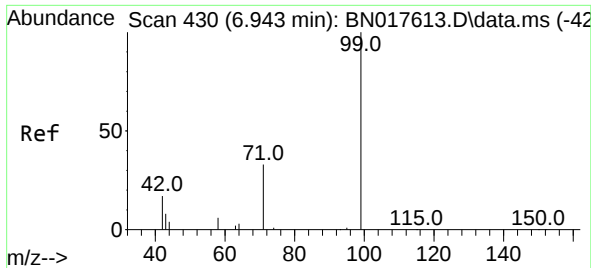


#4
2-Fluorophenol
Concen: 0.288 ng
RT: 5.394 min Scan# 262
Delta R.T. 0.028 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35



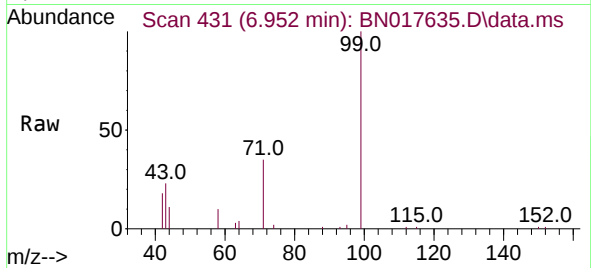
Tgt Ion:112 Resp: 16812
Ion Ratio Lower Upper
112 100
64 64.4 47.6 71.4
63 32.5 24.6 37.0





#5
Phenol-d6
Concen: 0.291 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

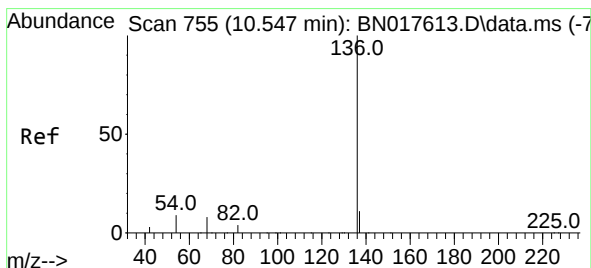
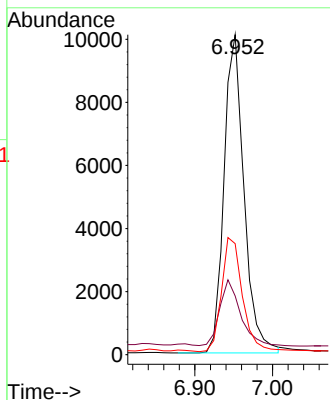
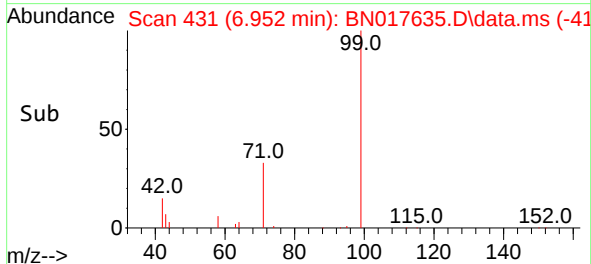
Instrument :
BNA_N
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Tgt Ion: 99 Resp: 1799
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 37.4 24.8 37.2

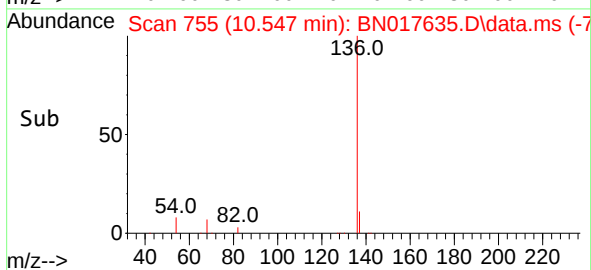
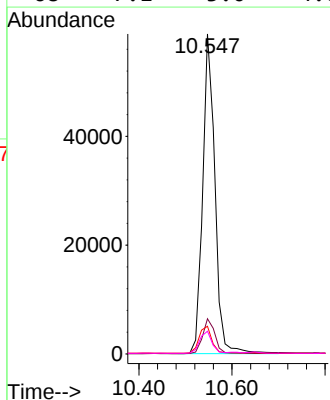
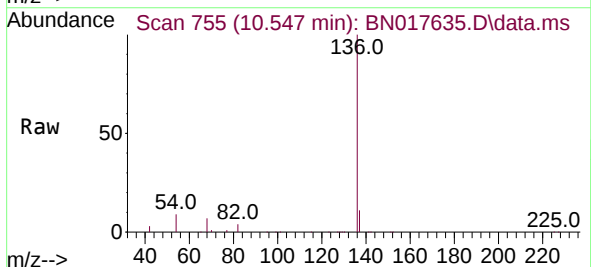
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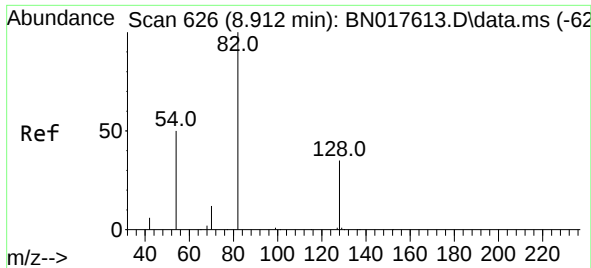
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.547 min Scan# 755
Delta R.T. 0.000 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

Tgt Ion:136 Resp: 107734
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.7 4.0 6.0#
68 7.1 3.0 4.6#





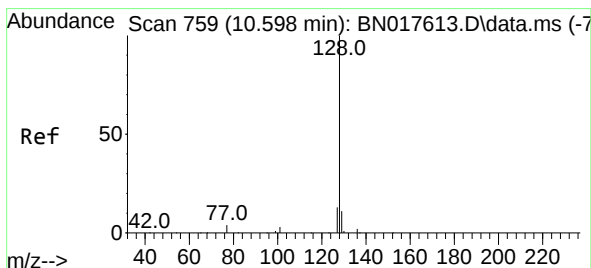
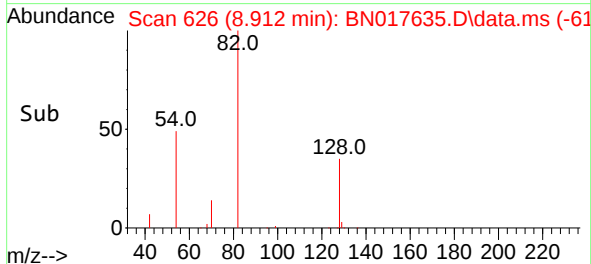
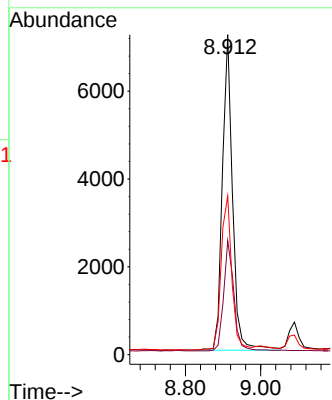
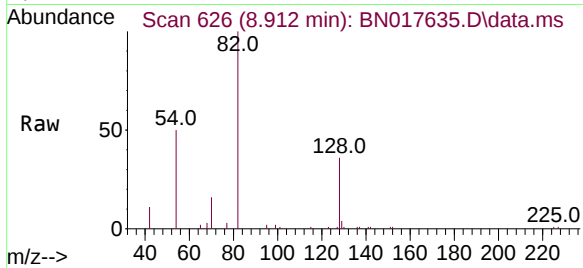
#8
Nitrobenzene-d5
Concen: 0.296 ng
RT: 8.912 min Scan# 612
Delta R.T. 0.000 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

Instrument :
BNA_N
ClientSampleId :
CS-7B

Tgt Ion: 82 Resp: 13558
Ion Ratio Lower Upper
82 100
128 35.6 27.7 41.5
54 49.6 49.2 73.8

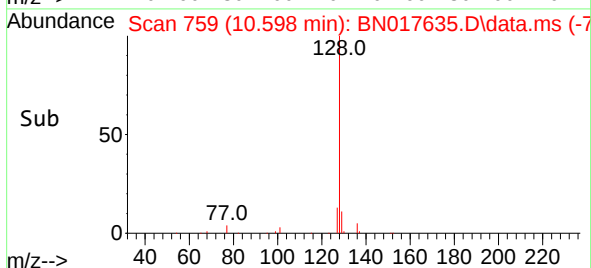
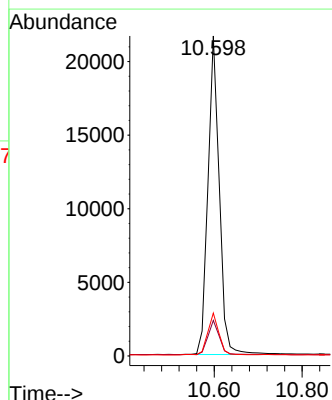
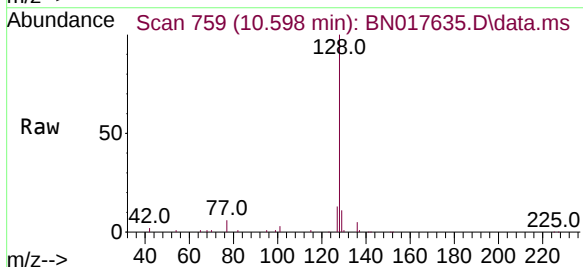
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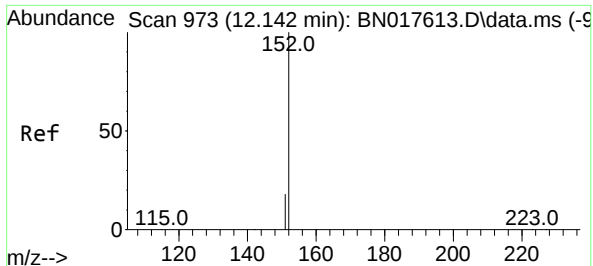
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#9
Naphthalene
Concen: 0.142 ng
RT: 10.598 min Scan# 759
Delta R.T. -0.000 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

Tgt Ion:128 Resp: 38625
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.4 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.268 ng

RT: 12.137 min Scan# 91

Delta R.T. -0.005 min

Lab File: BN017635.D

Acq: 01 Dec 2021 05:35

Instrument :

BNA_N

ClientSampleId :

CS-7B

Tgt Ion:152 Resp: 5041

Ion Ratio Lower Upper

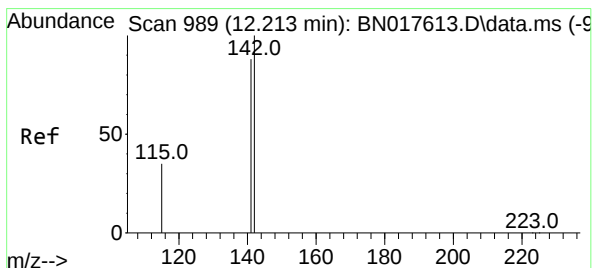
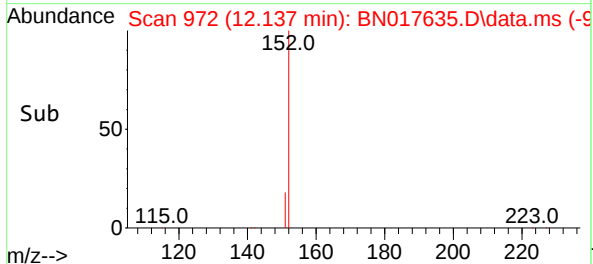
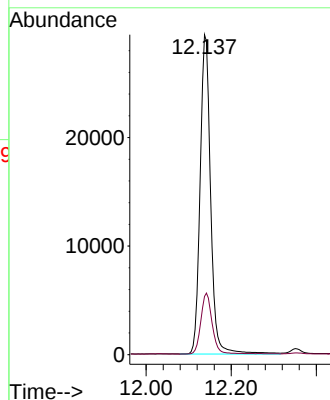
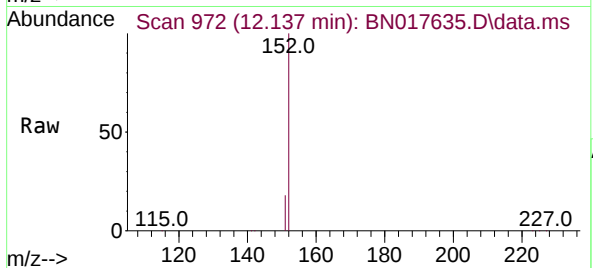
152 100

151 20.5 16.2 24.4

Manual Integrations

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



#12

2-Methylnaphthalene

Concen: 0.046 ng

RT: 12.213 min Scan# 989

Delta R.T. -0.000 min

Lab File: BN017635.D

Acq: 01 Dec 2021 05:35

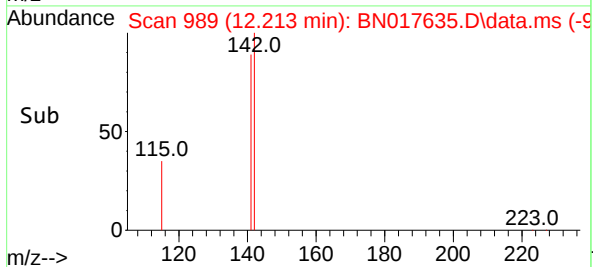
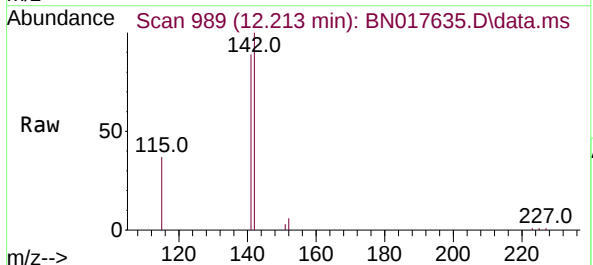
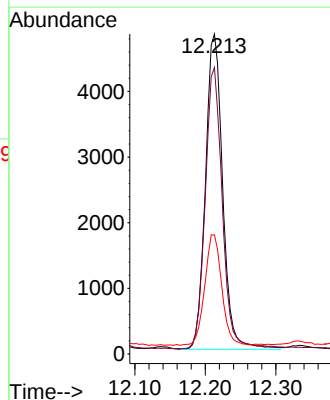
Tgt Ion:142 Resp: 8178

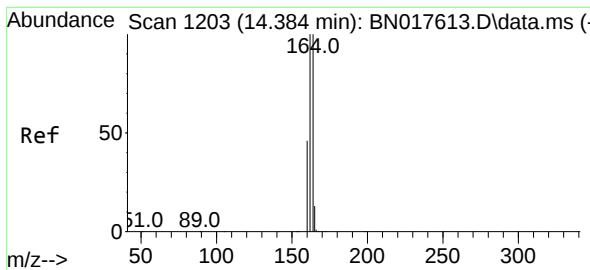
Ion Ratio Lower Upper

142 100

141 89.5 70.6 106.0

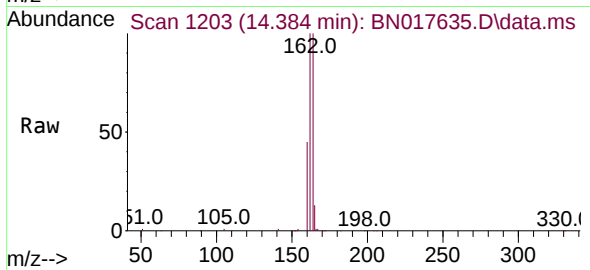
115 37.2 25.8 38.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.384 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

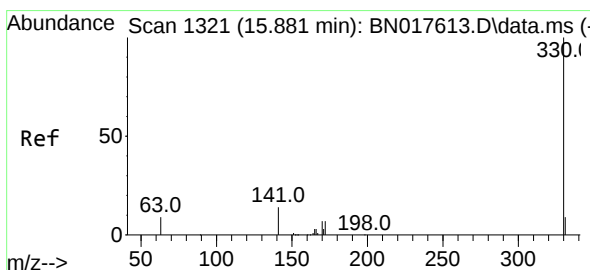
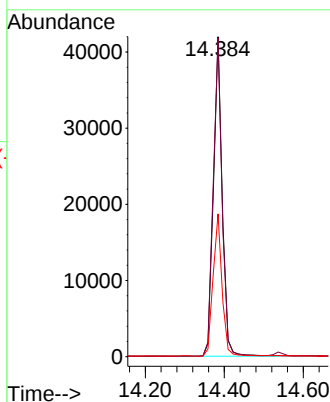
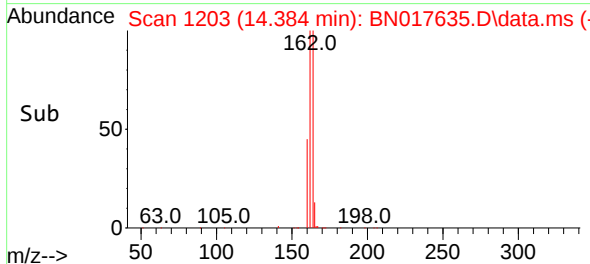
Instrument :
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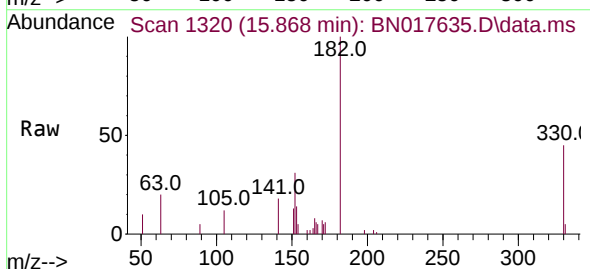
Tgt Ion:164 Resp: 64729
Ion Ratio Lower Upper
164 100
162 99.7 81.4 122.2
160 44.7 36.8 55.2

Manual Integrations
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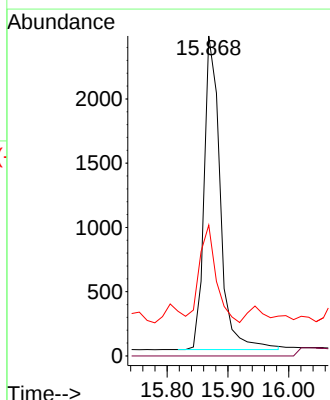
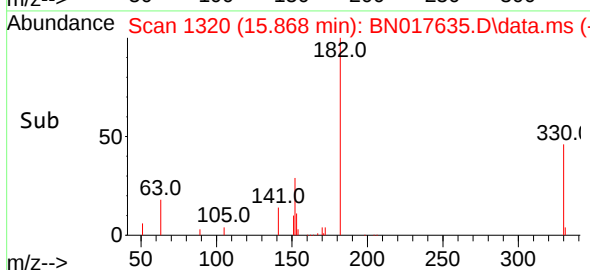
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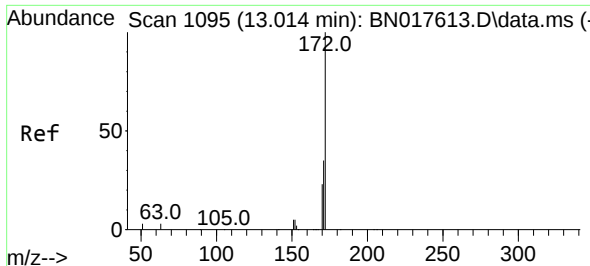


#14
2,4,6-Tribromophenol
Concen: 0.236 ng
RT: 15.868 min Scan# 1320
Delta R.T. -0.013 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35



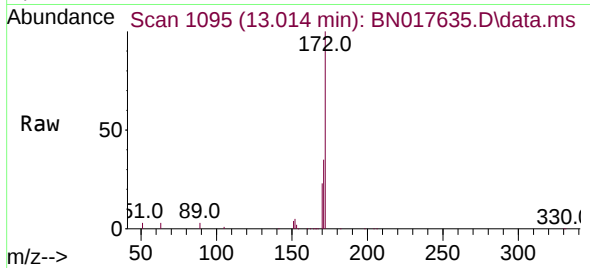
Tgt Ion:330 Resp: 4508
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 32.1 28.9 43.3





#15
2-Fluorobiphenyl
Concen: 0.254 ng
RT: 13.014 min Scan# 1095
Delta R.T. -0.000 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

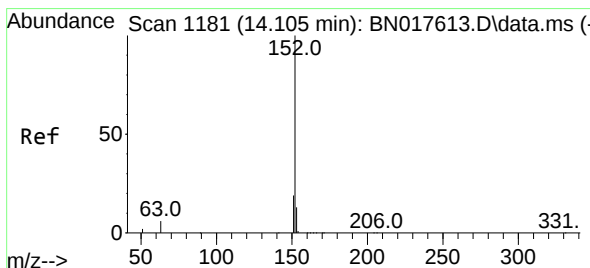
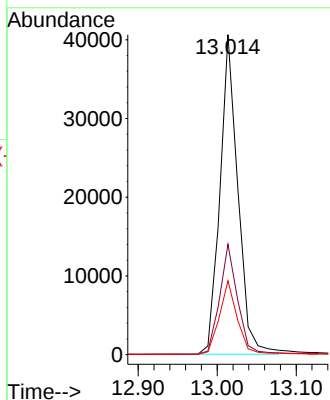
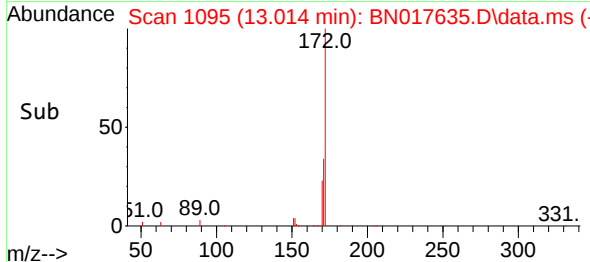
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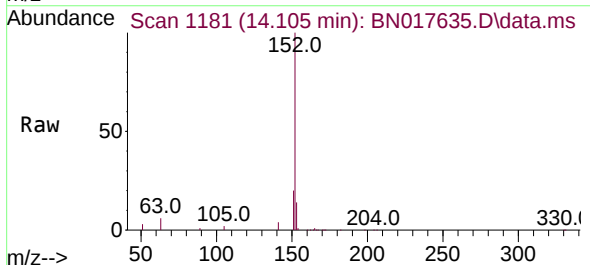
Tgt Ion:172 Resp: 64020
Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 23.1 19.4 29.2

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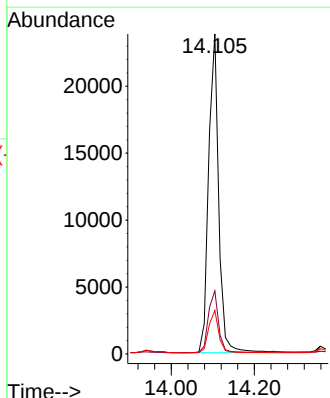
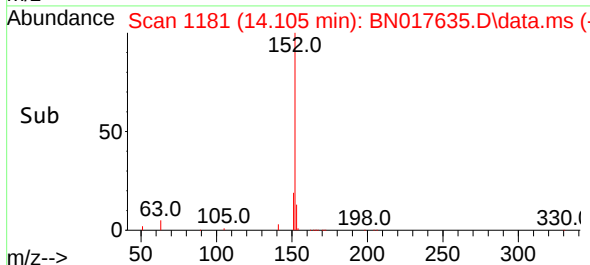
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

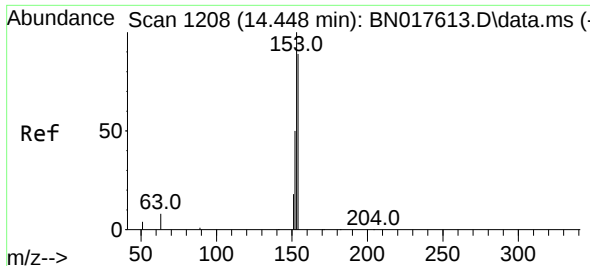


#16
Acenaphthylene
Concen: 0.159 ng
RT: 14.105 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35



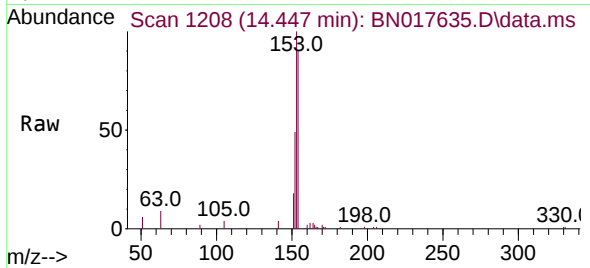
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Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 13.5 10.4 15.6





#17
Acenaphthene
Concen: 0.066 ng
RT: 14.447 min Scan# 1208
Delta R.T. -0.001 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

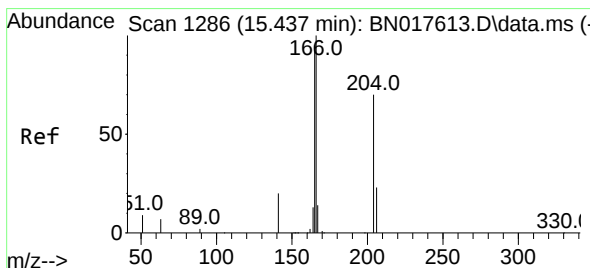
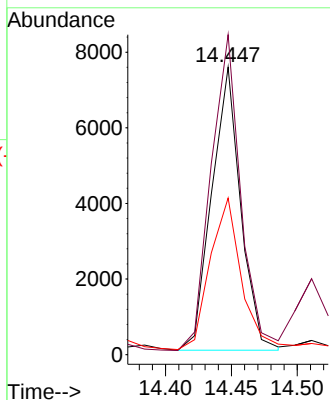
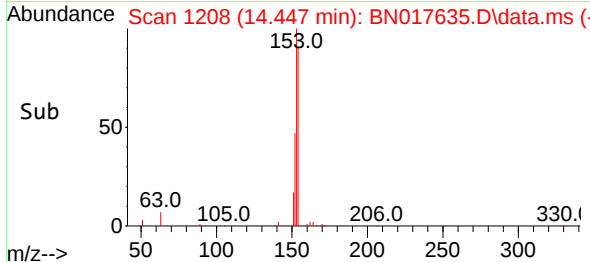
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ClientSampleId :
CS-7B



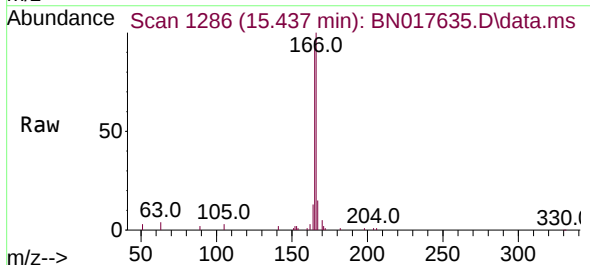
Tgt Ion:154 Resp: 1143
Ion Ratio Lower Upper
154 100
153 114.4 91.2 136.8
152 60.7 44.3 66.5

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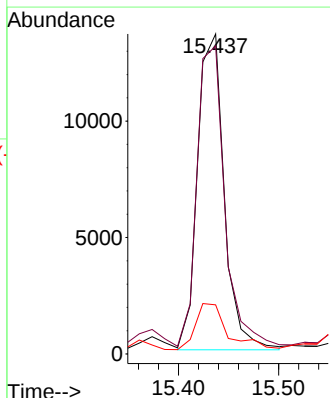
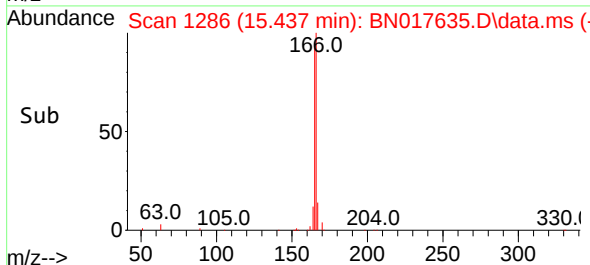
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

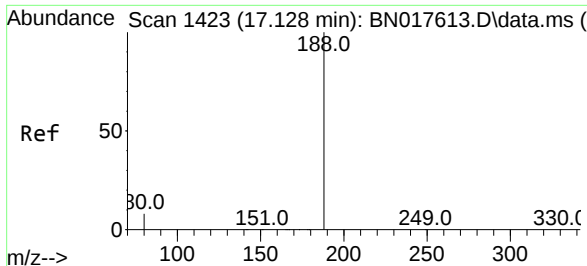


#18
Fluorene
Concen: 0.119 ng m
RT: 15.437 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35



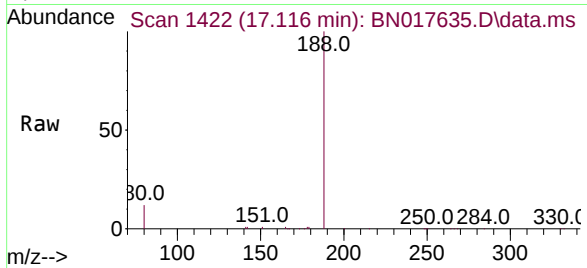
Tgt Ion:166 Resp: 25160
Ion Ratio Lower Upper
166 100
165 98.4 77.9 116.9
167 17.5 10.9 16.3#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

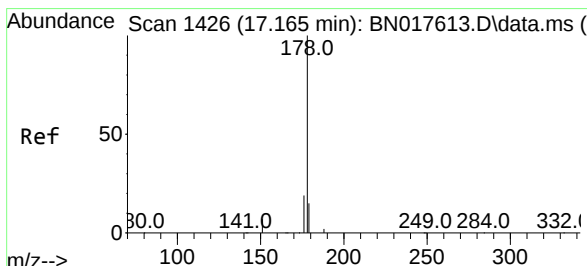
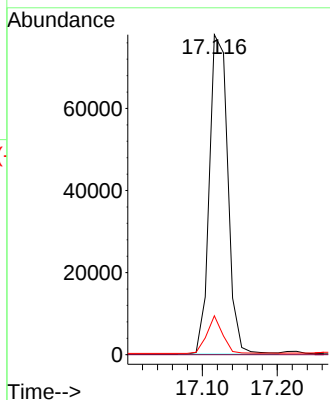
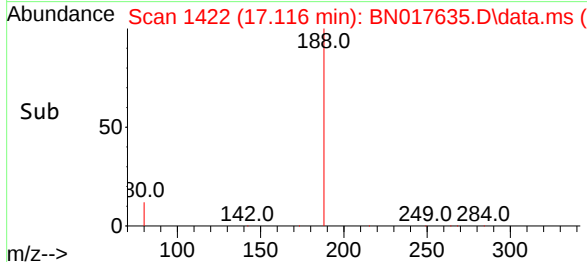
Instrument :
BNA_N
ClientSampleId :
CS-7B



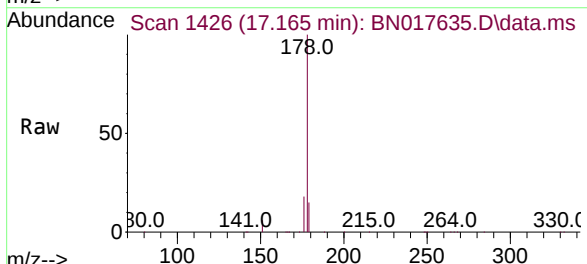
Tgt Ion:188 Resp: 13345
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.2 6.1 9.1

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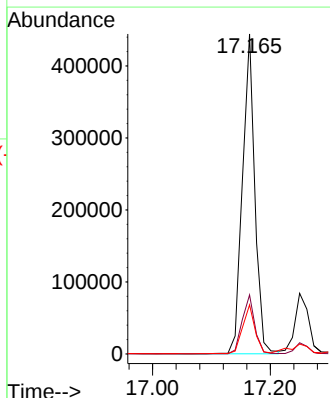
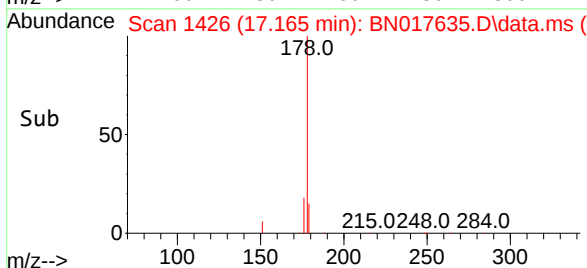
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

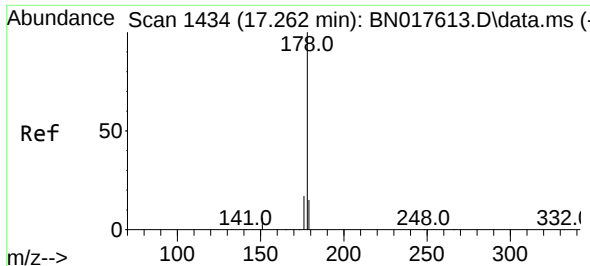


#25
Phenanthrene
Concen: 1.772 ng
RT: 17.165 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35



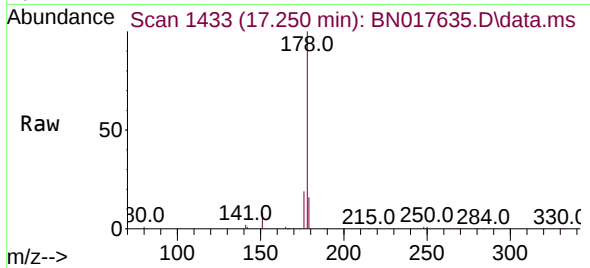
Tgt Ion:178 Resp: 648622
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.5 12.3 18.5





#26
 Anthracene
 Concen: 0.404 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017635.D
 Acq: 01 Dec 2021 05:35

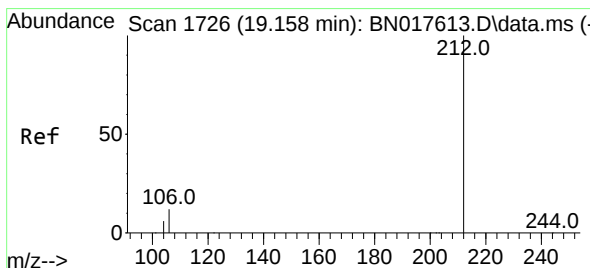
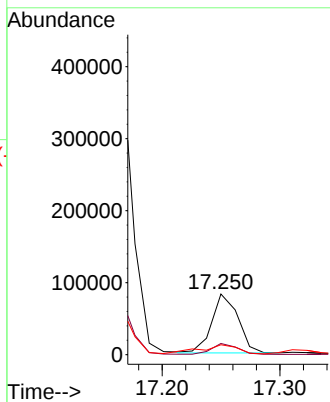
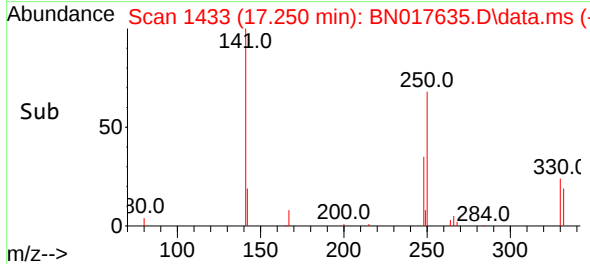
Instrument :
 BNA_N
 ClientSampleId :
 CS-7B



Tgt Ion:178 Resp: 127109
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.6 22.0
 179 22.4 12.2 18.4

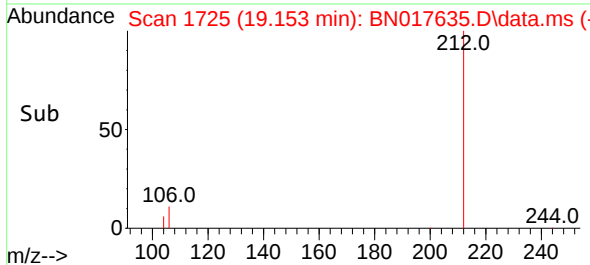
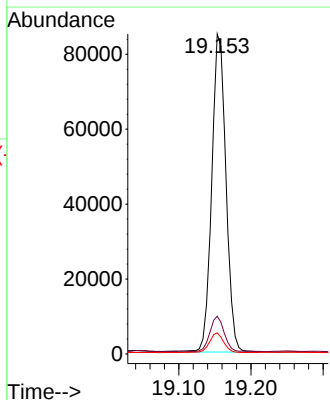
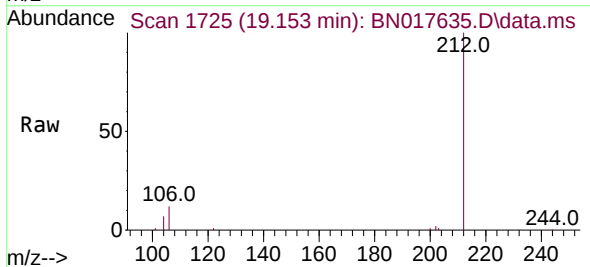
Manual Integrations
 APPROVED

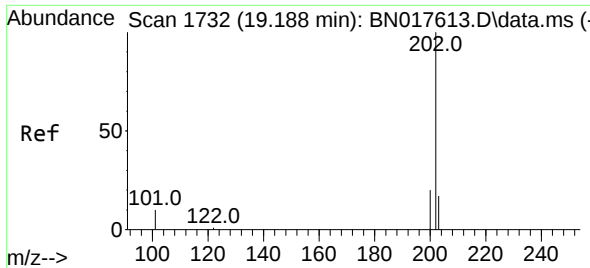
Reviewed By :Jagrut Upadhyay 12/01/2021
 Supervised By :mohammad ahmed 12/05/2021



#27
 Fluoranthene-d10
 Concen: 0.279 ng
 RT: 19.153 min Scan# 1725
 Delta R.T. -0.005 min
 Lab File: BN017635.D
 Acq: 01 Dec 2021 05:35

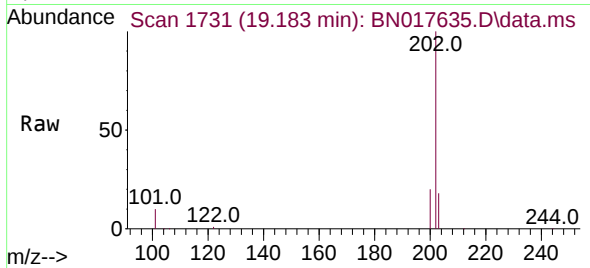
Tgt Ion:212 Resp: 116443
 Ion Ratio Lower Upper
 212 100
 106 11.0 10.5 15.7
 104 6.2 5.8 8.6





#28
Fluoranthene
Concen: 2.585 ng
RT: 19.183 min Scan# 1732
Delta R.T. -0.005 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

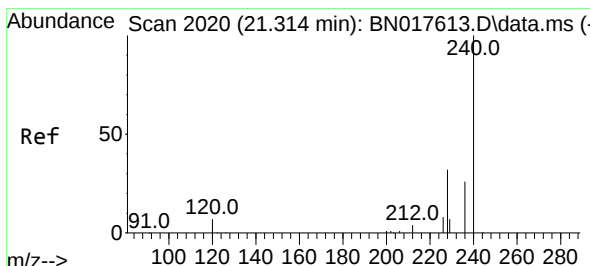
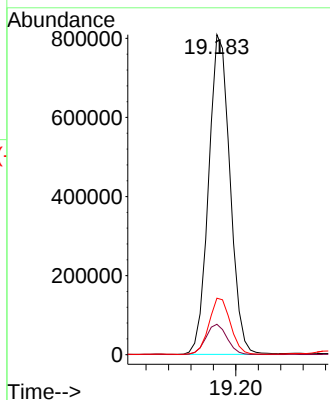
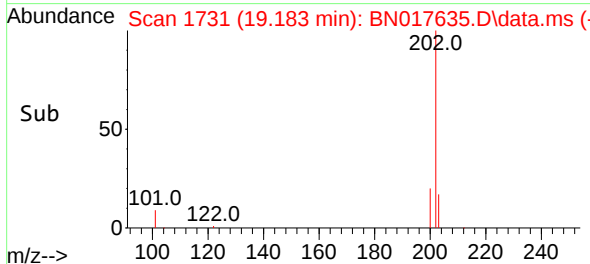
Instrument :
BNA_N
ClientSampleId :
CS-7B



Tgt Ion:202 Resp: 1070578
Ion Ratio Lower Upper
202 100
101 9.4 8.9 13.3
203 17.5 13.8 20.6

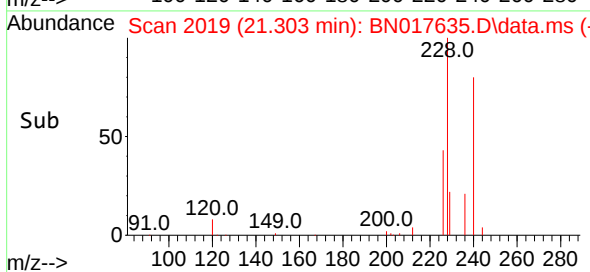
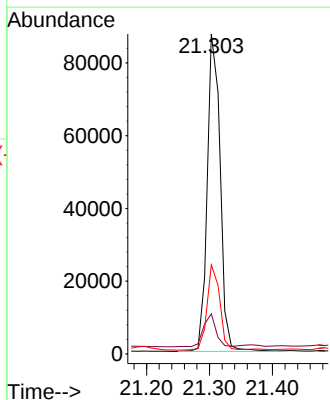
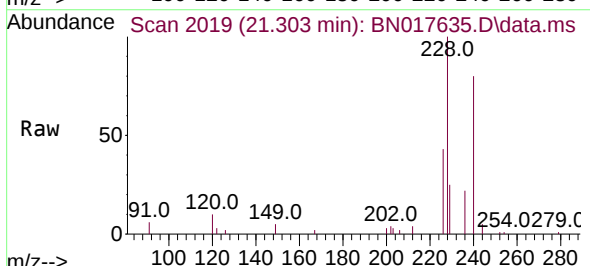
Manual Integrations
APPROVED

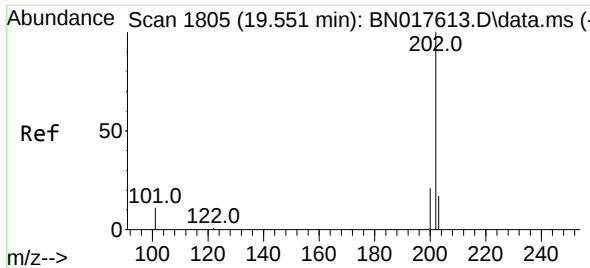
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

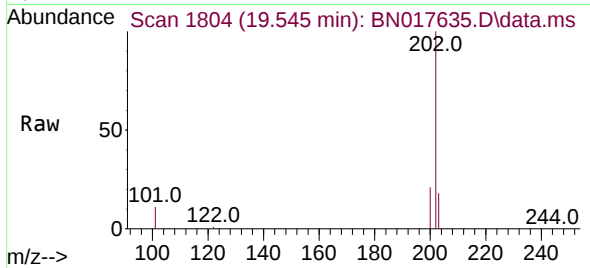
Tgt Ion:240 Resp: 124397
Ion Ratio Lower Upper
240 100
120 12.6 4.2 6.2#
236 27.9 20.0 30.0





#30
Pyrene
Concen: 2.097 ng
RT: 19.545 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

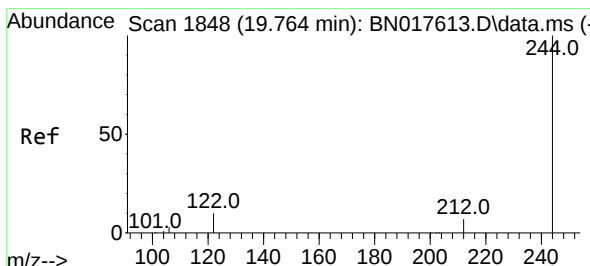
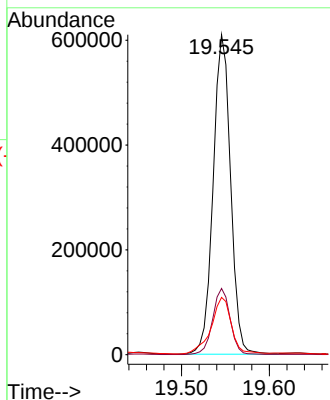
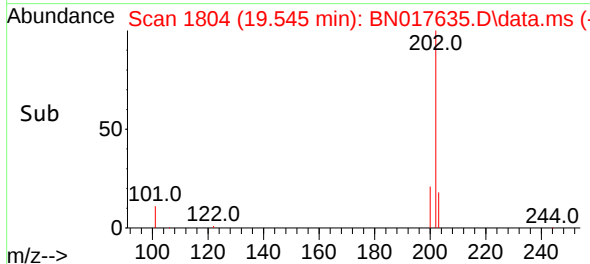
Instrument :
BNA_N
ClientSampleId :
CS-7B



Tgt Ion:202 Resp: 842054
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 20.4 14.0 21.0

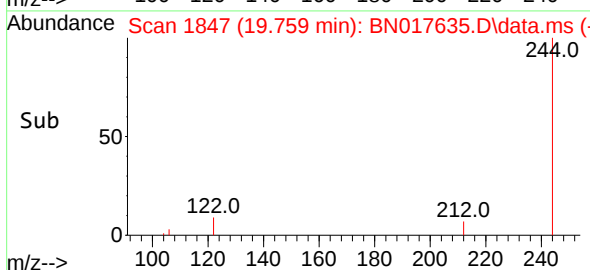
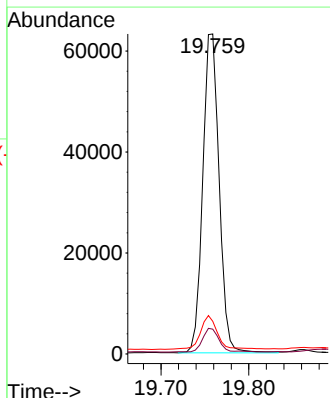
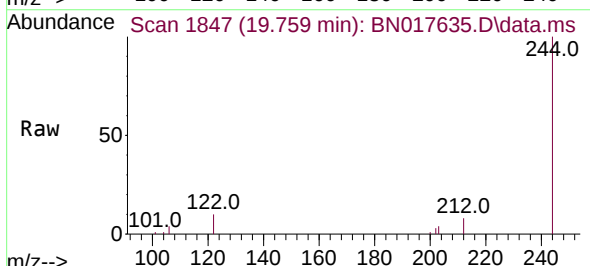
Manual Integrations
APPROVED

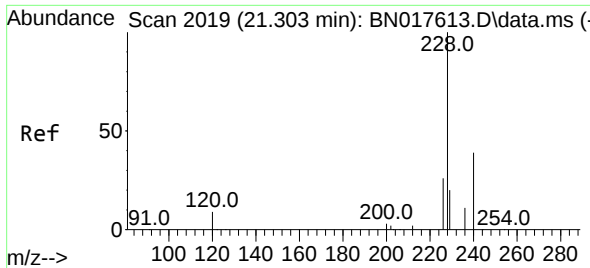
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#31
Terphenyl-d14
Concen: 0.300 ng
RT: 19.759 min Scan# 1847
Delta R.T. -0.005 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

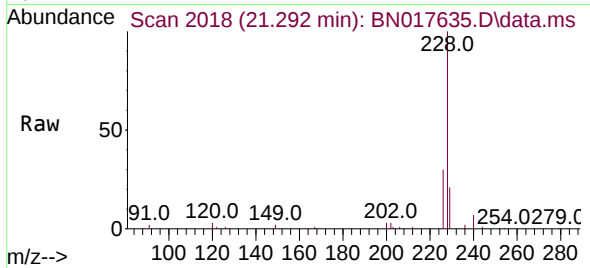
Tgt Ion:244 Resp: 81723
Ion Ratio Lower Upper
244 100
212 7.8 5.7 8.5
122 10.2 8.6 13.0





#32
Benzo(a)anthracene
Concen: 1.166 ng
RT: 21.292 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

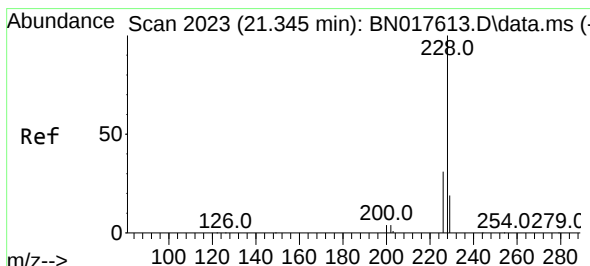
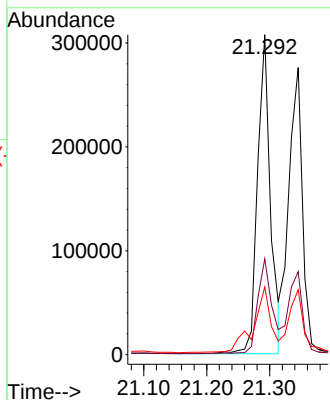
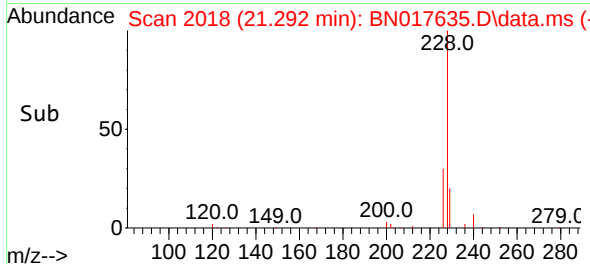
Instrument :
BNA_N
ClientSampleId :
CS-7B



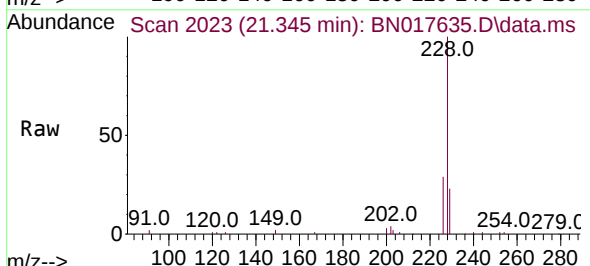
Tgt Ion:228 Resp: 440589
Ion Ratio Lower Upper
228 100
226 30.0 21.3 31.9
229 21.2 15.7 23.5

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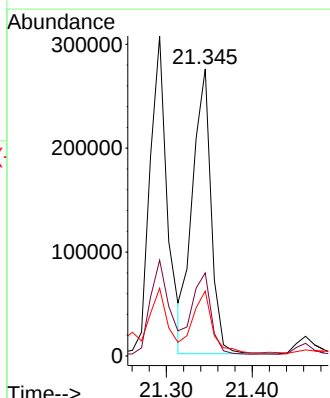
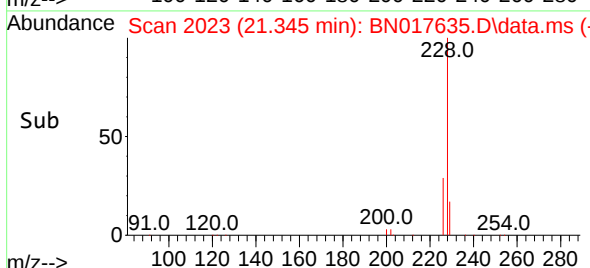
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

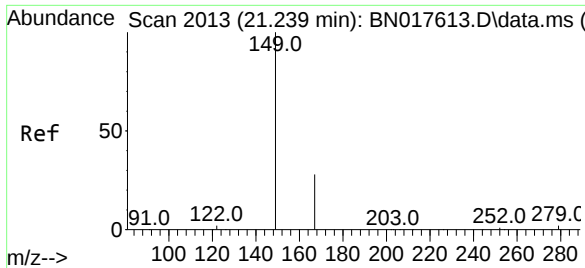


#33
Chrysene
Concen: 1.006 ng
RT: 21.345 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35



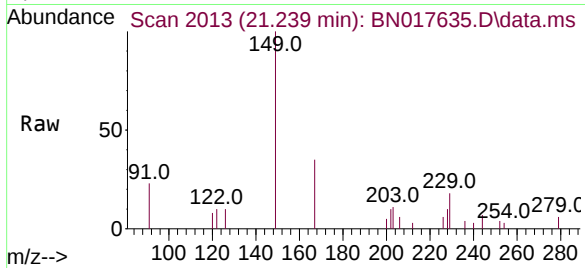
Tgt Ion:228 Resp: 413427
Ion Ratio Lower Upper
228 100
226 28.9 23.3 34.9
229 22.6 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.329 ng
RT: 21.239 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

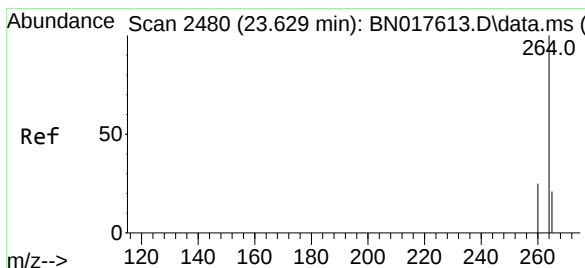
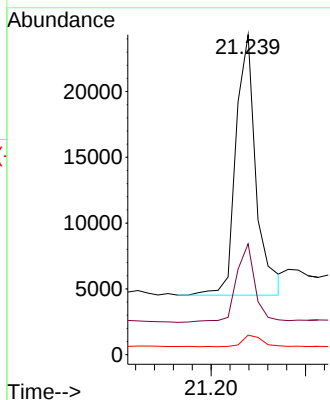
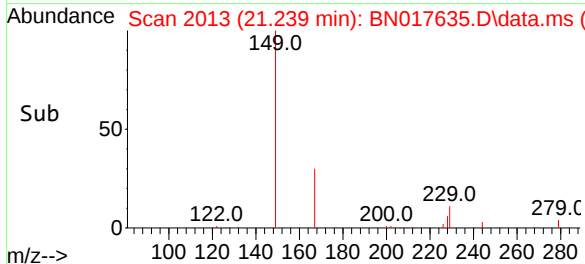
Instrument :
BNA_N
ClientSampleId :
CS-7B



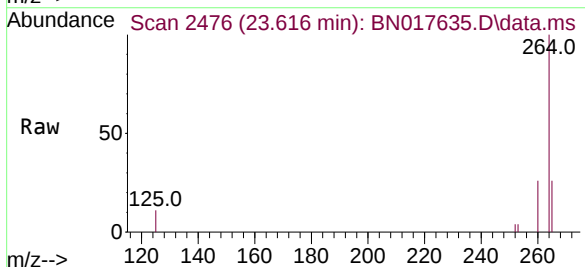
Tgt Ion:149 Resp: 2944
Ion Ratio Lower Upper
149 100
167 28.4 21.8 32.6
279 4.4 3.4 5.0

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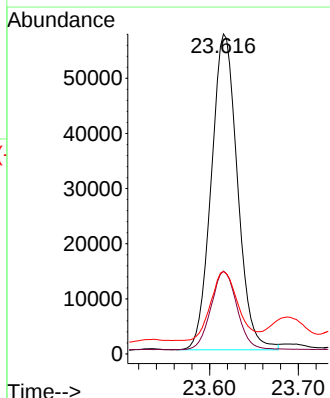
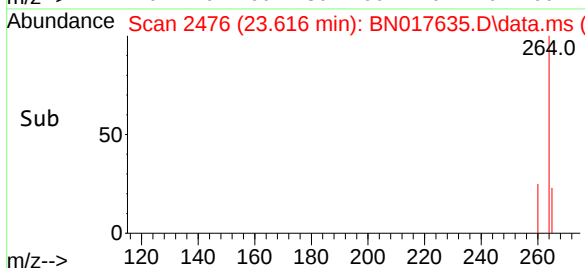
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

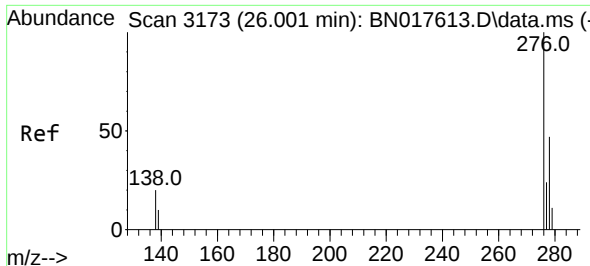


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.616 min Scan# 2476
Delta R.T. -0.014 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35



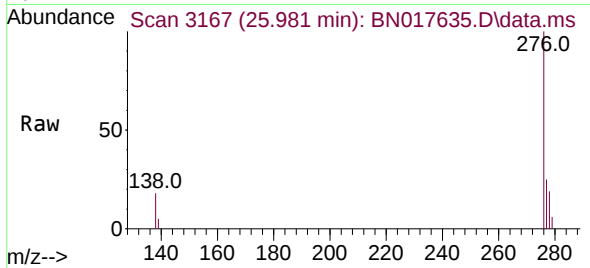
Tgt Ion:264 Resp: 117187
Ion Ratio Lower Upper
264 100
260 25.9 19.4 29.2
265 25.8 18.6 28.0





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.593 ng
RT: 25.981 min Scan# 3173
Delta R.T. -0.021 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

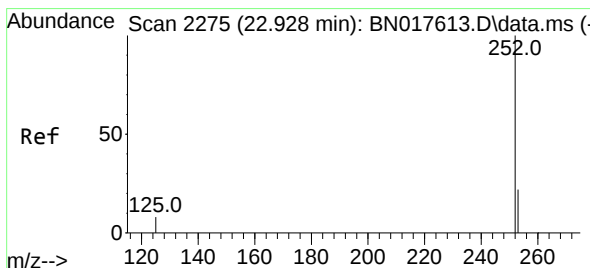
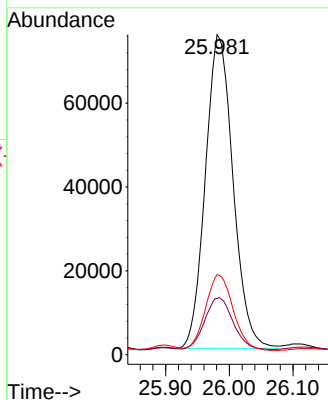
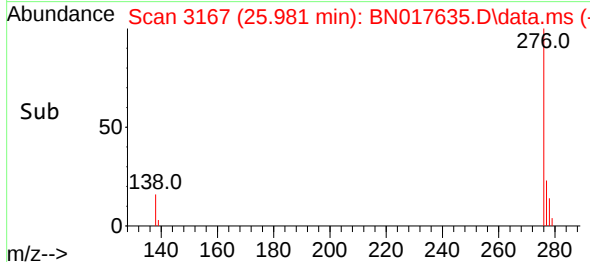
Instrument :
BNA_N
ClientSampleId :
CS-7B



Tgt Ion:276 Resp: 22549
Ion Ratio Lower Upper
276 100
138 16.8 19.7 29.5
277 24.3 20.0 30.0

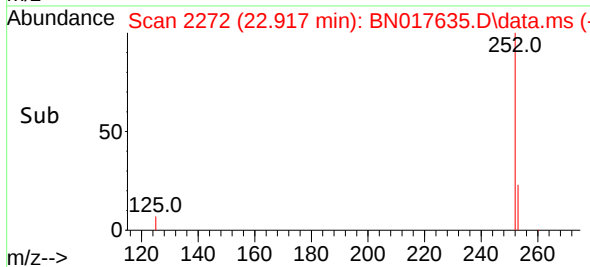
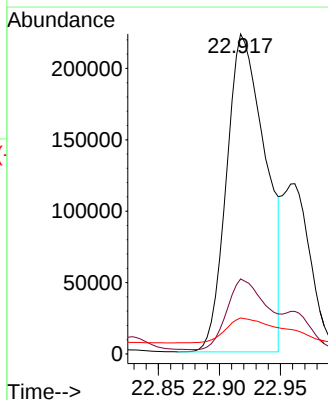
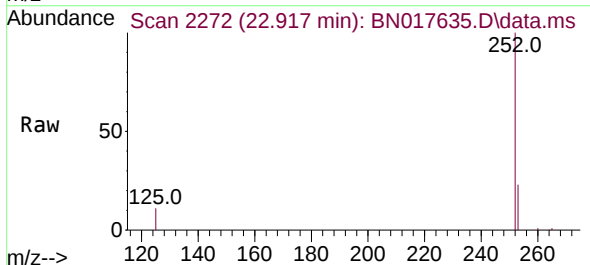
Manual Integrations
APPROVED

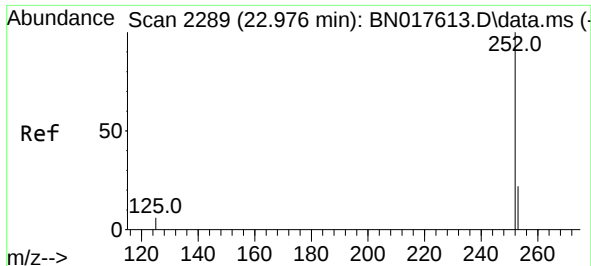
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#37
Benzo(b)fluoranthene
Concen: 1.270 ng
RT: 22.917 min Scan# 2272
Delta R.T. -0.010 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

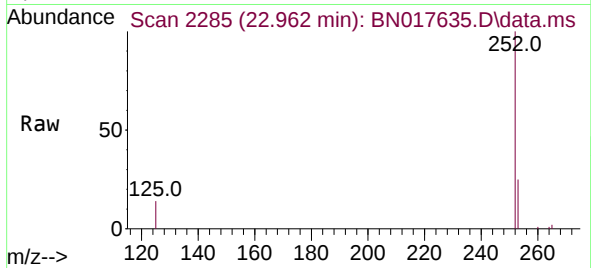
Tgt Ion:252 Resp: 493337
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 11.2 7.8 11.8





#38
Benzo(k)fluoranthene
Concen: 0.476 ng m
RT: 22.962 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

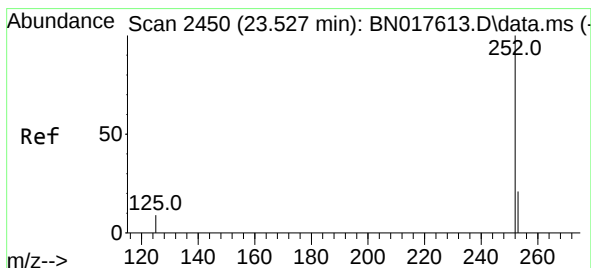
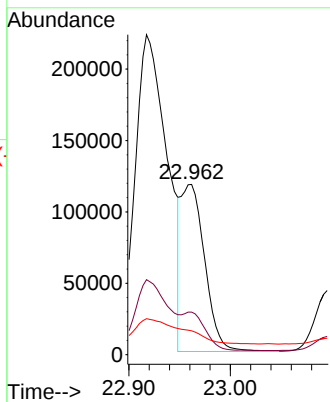
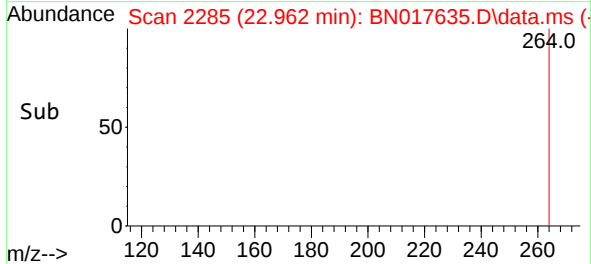
Instrument :
BNA_N
ClientSampleId :
CS-7B



Tgt Ion:252 Resp: 18956
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 14.0 8.2 12.2

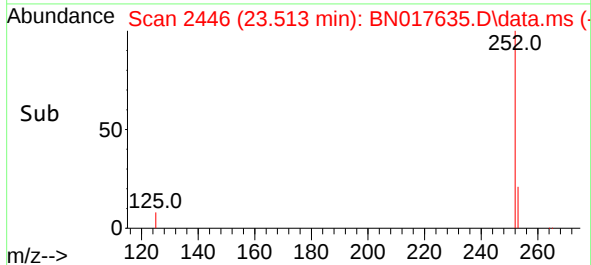
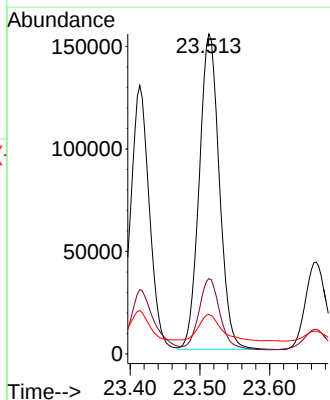
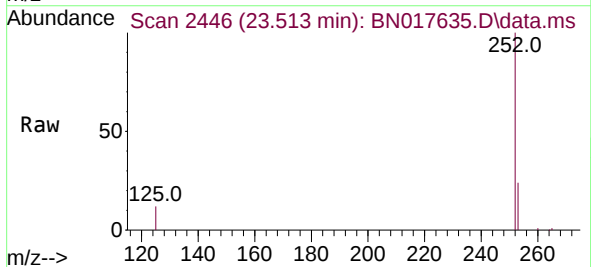
Manual Integrations
APPROVED

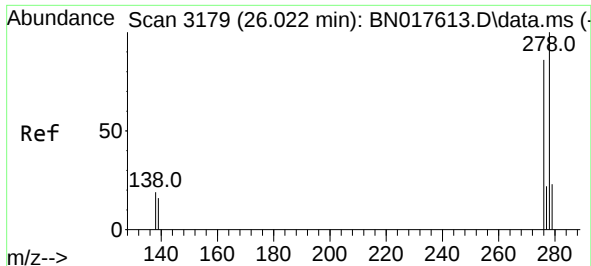
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#39
Benzo(a)pyrene
Concen: 0.884 ng
RT: 23.513 min Scan# 2446
Delta R.T. -0.014 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

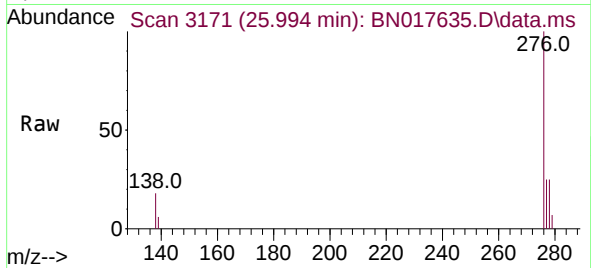
Tgt Ion:252 Resp: 307613
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 12.4 9.2 13.8





#40
Dibenzo(a,h)anthracene
Concen: 0.168 ng
RT: 25.994 min Scan# 3179
Delta R.T. -0.028 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

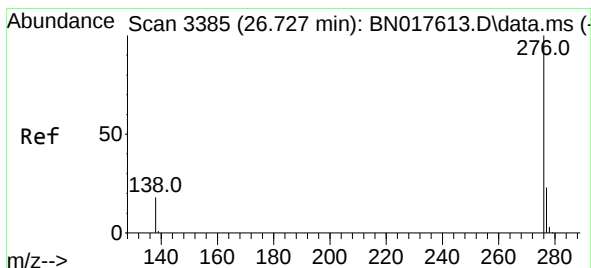
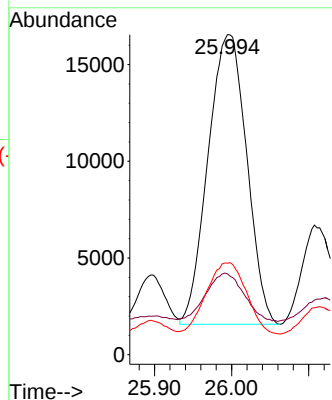
Instrument :
BNA_N
ClientSampleId :
CS-7B



Tgt Ion:278 Resp: 52215
Ion Ratio Lower Upper
278 100
139 25.3 13.0 19.6
279 28.6 19.2 28.8

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.682 ng
RT: 26.706 min Scan# 3379
Delta R.T. -0.021 min
Lab File: BN017635.D
Acq: 01 Dec 2021 05:35

Tgt Ion:276 Resp: 218074
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.4
138 18.3 17.1 25.7

