

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017647.D
 Acq On : 01 Dec 2021 12:46
 Operator : CG/JU
 Sample : M4862-01DL 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-1BDL

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 13:17:04 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	23267	0.400	ng	0.00
7) Naphthalene-d8	10.547	136	97575	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	62787	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	138296	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	132134	0.400	ng	#-0.01
35) Perylene-d12	23.609	264	83294	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	111	0.002	ng	0.03
5) Phenol-d6	6.952	99	150	0.003	ng	0.00
8) Nitrobenzene-d5	8.913	82	5869	0.142	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	19831	0.116	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	50	0.126	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	26044	0.107	ng	0.00
27) Fluoranthene-d10	19.154	212	54598	0.126	ng	0.00
31) Terphenyl-d14	19.754	244	39408	0.136	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.598	128	98551	0.400	ng	100
12) 2-Methylnaphthalene	12.213	142	18280	0.113	ng	98
16) Acenaphthylene	14.105	152	47451	0.194	ng	99
17) Acenaphthene	14.448	154	43249	0.255	ng	98
18) Fluorene	15.425	166	79971	0.389	ng	99
25) Phenanthrene	17.165	178	1079144	2.845	ng	100
26) Anthracene	17.250	178	253792	0.779	ng	# 95
28) Fluoranthene	19.183	202	1569759	3.657	ng	97
30) Pyrene	19.546	202	1278319	2.997	ng	# 95
32) Benzo(a)anthracene	21.293	228	696098	1.734	ng	97
33) Chrysene	21.335	228	567288	1.299	ng	96
34) Bis(2-ethylhexyl)phtha...	21.229	149	111618	1.172	ng	96
36) Indeno(1,2,3-cd)pyrene	25.971	276	128319	0.474	ng	# 92
37) Benzo(b)fluoranthene	22.914	252	567778	2.056	ng	98
38) Benzo(k)fluoranthene	22.955	252	224239m	0.792	ng	
39) Benzo(a)pyrene	23.506	252	332841	1.346	ng	98
40) Dibenzo(a,h)anthracene	25.981	278	32103	0.145	ng	# 83
41) Benzo(g,h,i)perylene	26.696	276	109698	0.482	ng	95

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

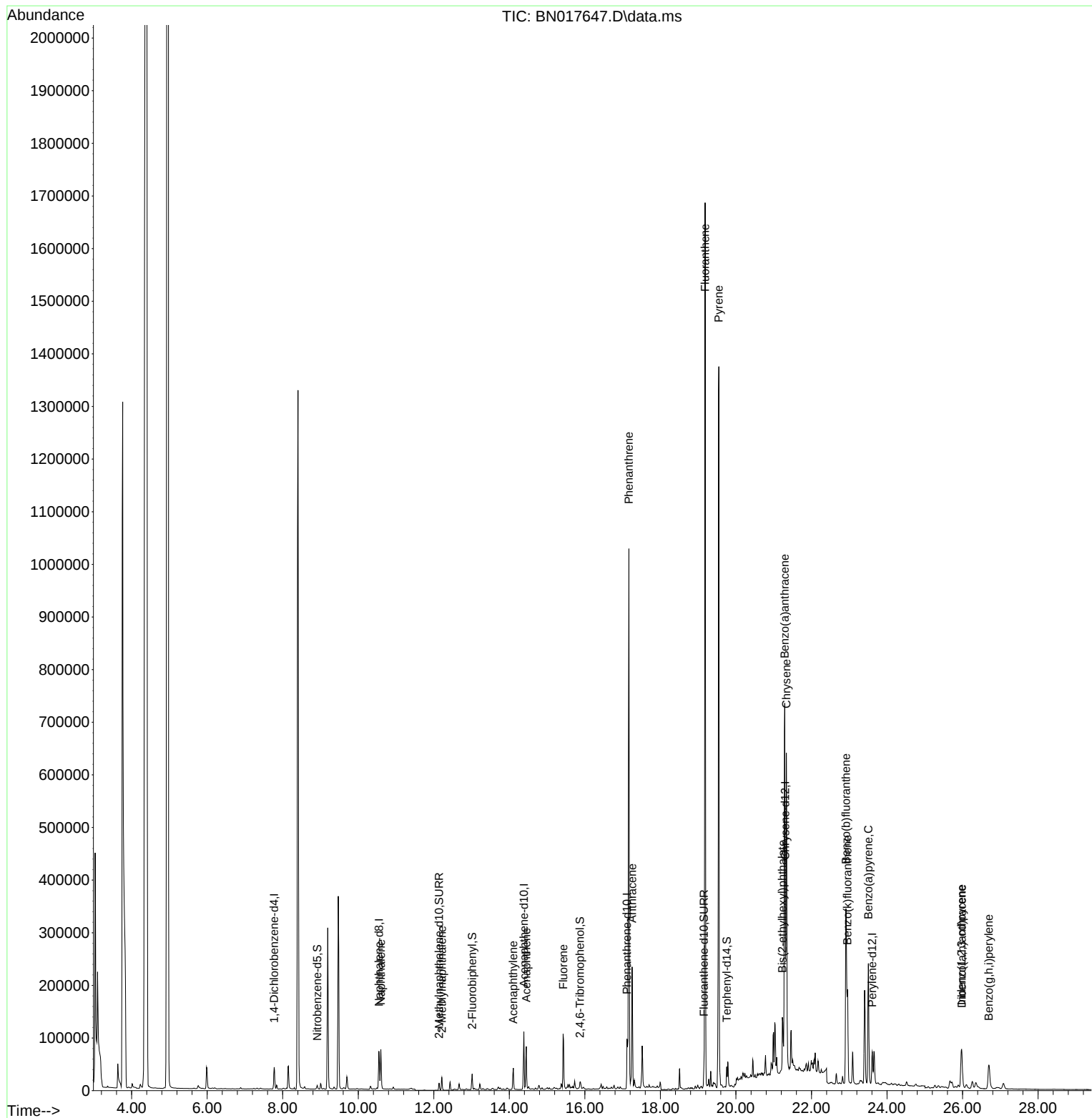
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
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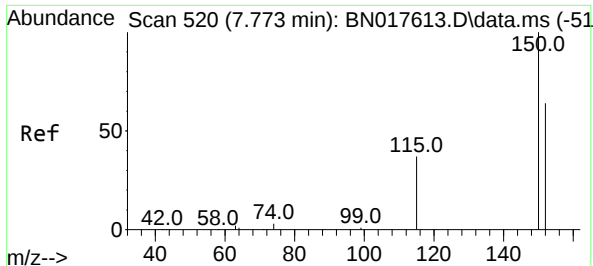
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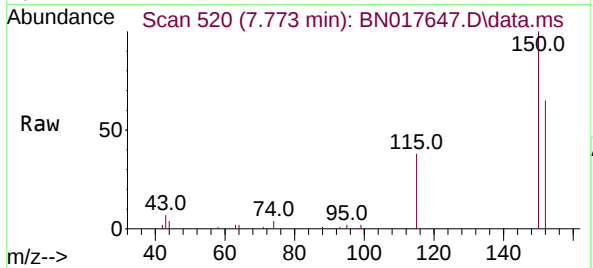
Quant Time: Dec 01 13:17:04 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 30 18:26:44 2021
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

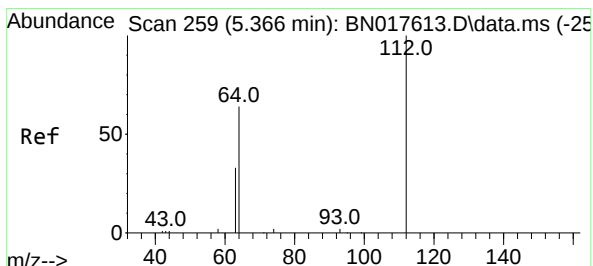
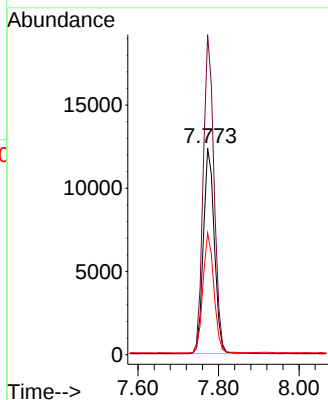
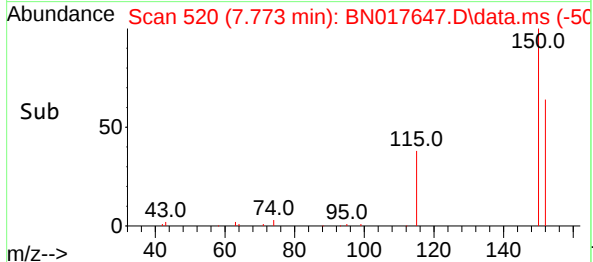
Instrument :
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ClientSampleId :
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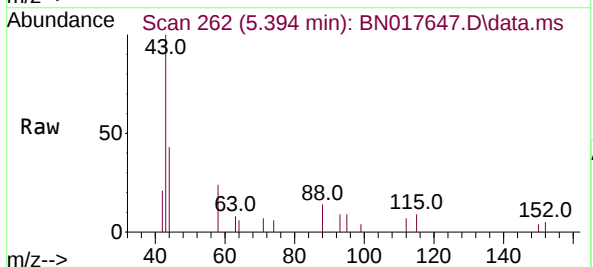
Tgt Ion:152 Resp: 2326
Ion Ratio Lower Upper
152 100
150 154.8 123.0 184.4
115 58.9 45.6 68.4

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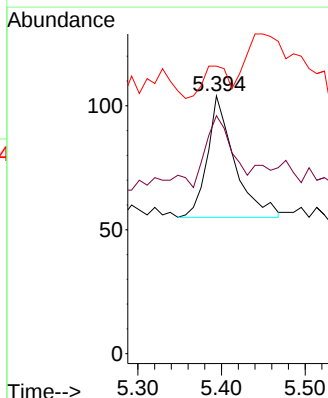
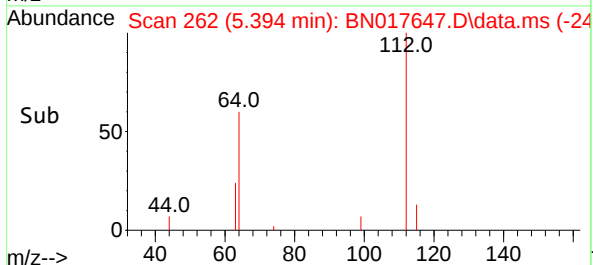
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

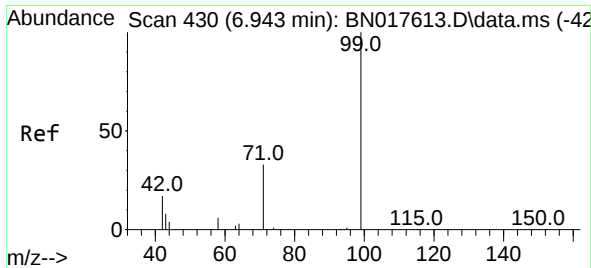


#4
2-Fluorophenol
Concen: 0.002 ng
RT: 5.394 min Scan# 262
Delta R.T. 0.028 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46



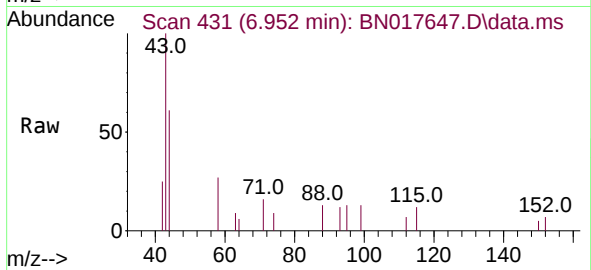
Tgt Ion:112 Resp: 111
Ion Ratio Lower Upper
112 100
64 56.8 47.6 71.4
63 24.3 24.6 37.0#





#5
Phenol-d6
Concen: 0.003 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

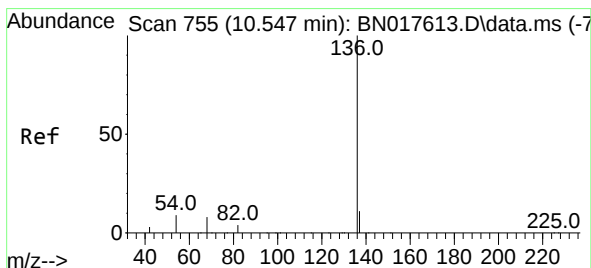
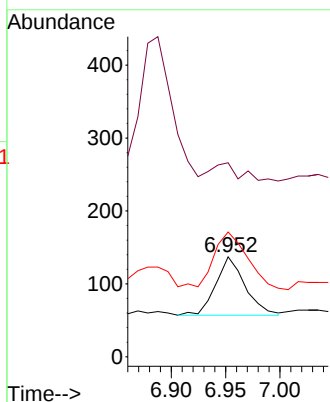
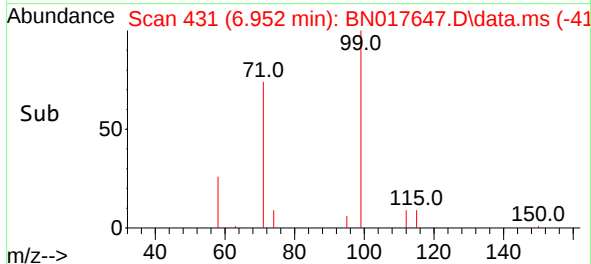
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Tgt Ion: 99 Resp: 150
Ion Ratio Lower Upper
99 100
42 30.0 17.0 25.6
71 112.7 24.8 37.2

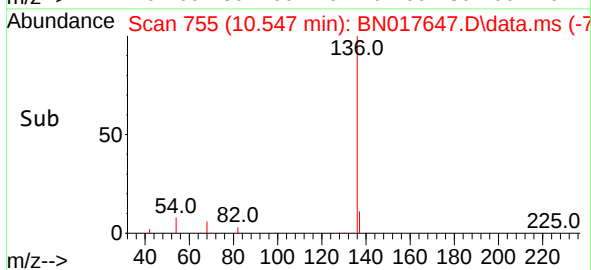
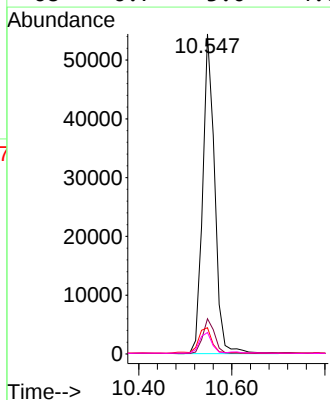
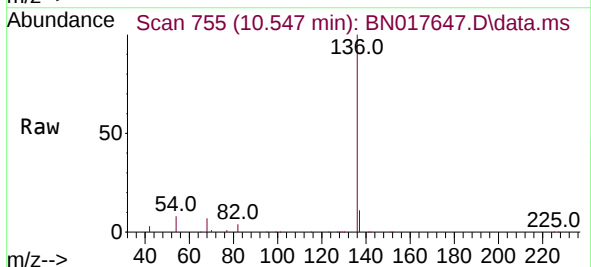
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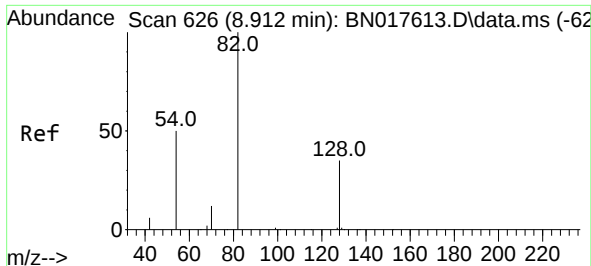
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.547 min Scan# 755
Delta R.T. 0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

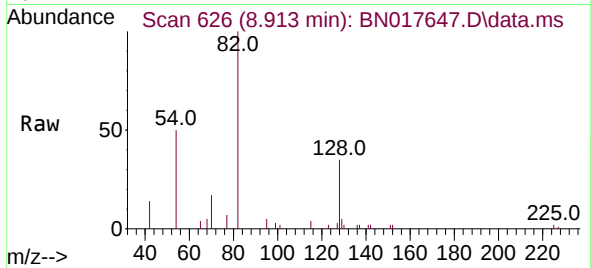
Tgt Ion:136 Resp: 97575
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.2 4.0 6.0#
68 6.7 3.0 4.6#





#8
Nitrobenzene-d5
Concen: 0.142 ng
RT: 8.913 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

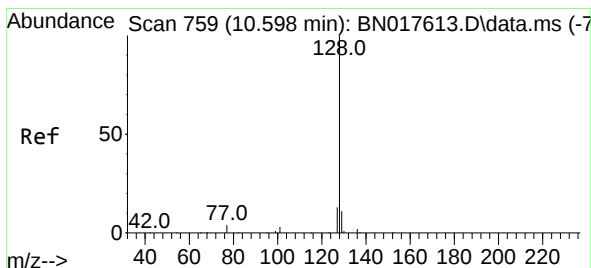
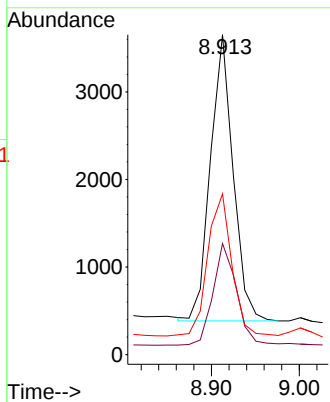
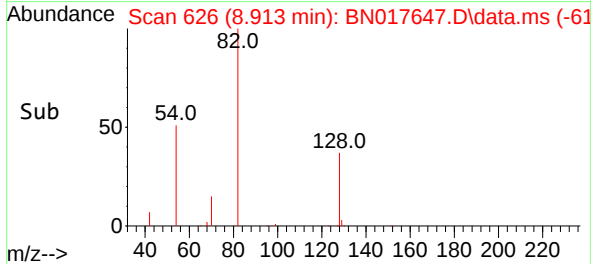
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 82 Resp: 5869
Ion Ratio Lower Upper
82 100
128 34.7 27.7 41.5
54 50.3 49.2 73.8

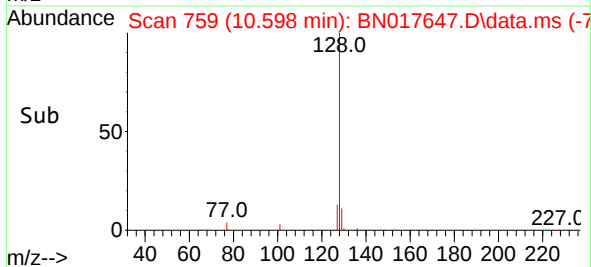
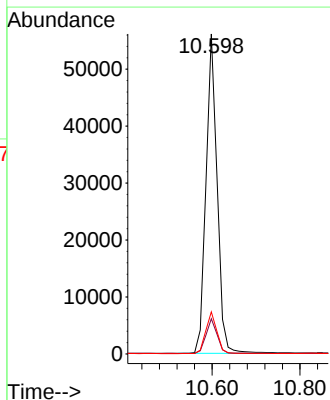
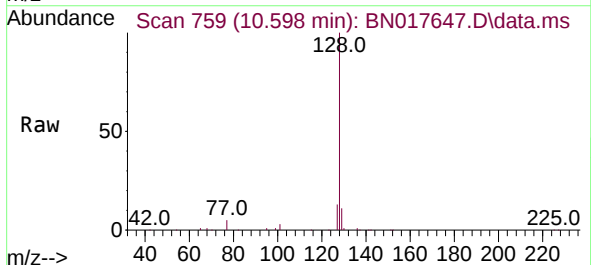
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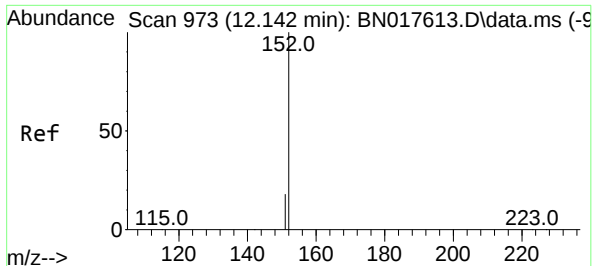
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Supervised By :mohammad ahmed 12/05/2021



#9
Naphthalene
Concen: 0.400 ng
RT: 10.598 min Scan# 759
Delta R.T. 0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion:128 Resp: 98551
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.2 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.116 ng

RT: 12.138 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017647.D

Acq: 01 Dec 2021 12:46

Instrument :

BNA_N

ClientSampleId :

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Tgt Ion:152 Resp: 1983

Ion Ratio Lower Upper

152 100

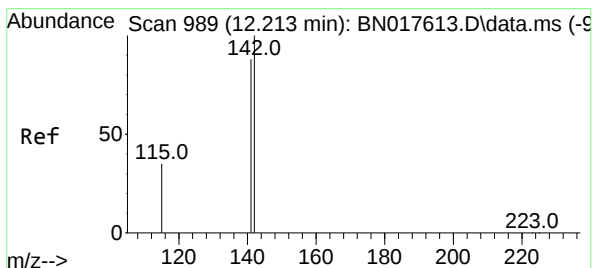
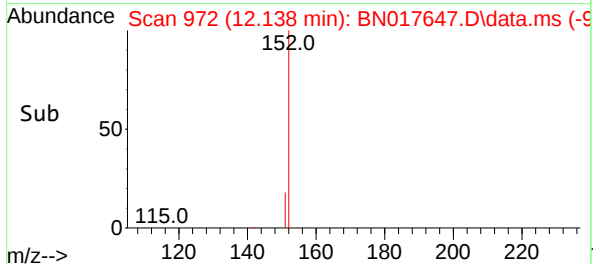
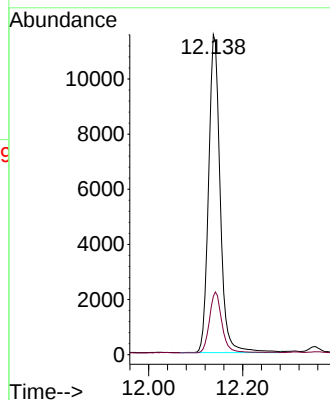
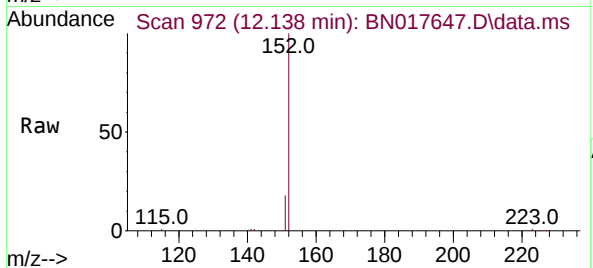
151 20.6 16.2 24.4

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#12

2-Methylnaphthalene

Concen: 0.113 ng

RT: 12.213 min Scan# 989

Delta R.T. 0.000 min

Lab File: BN017647.D

Acq: 01 Dec 2021 12:46

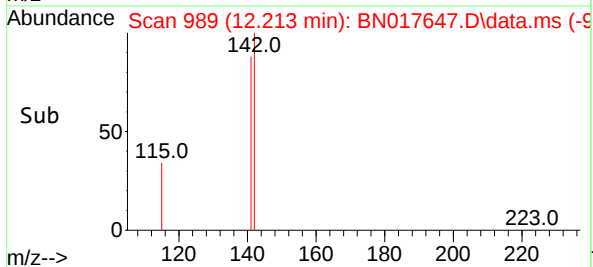
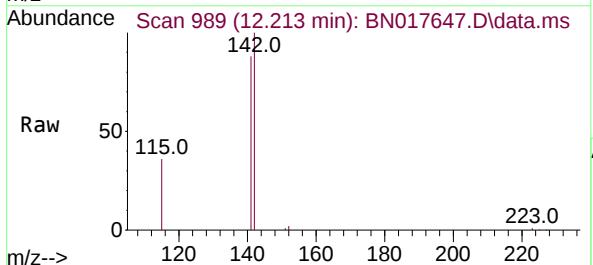
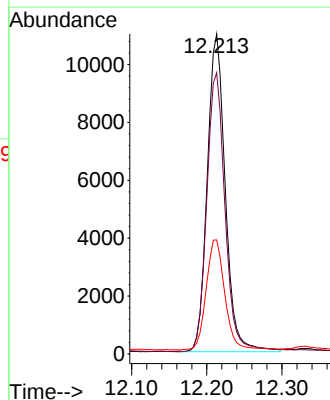
Tgt Ion:142 Resp: 18280

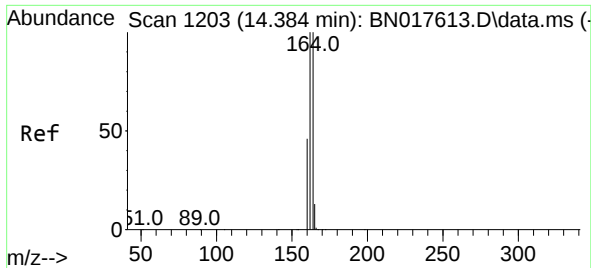
Ion Ratio Lower Upper

142 100

141 87.8 70.6 106.0

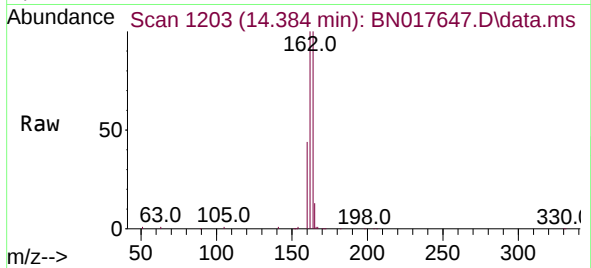
115 35.6 25.8 38.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.384 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

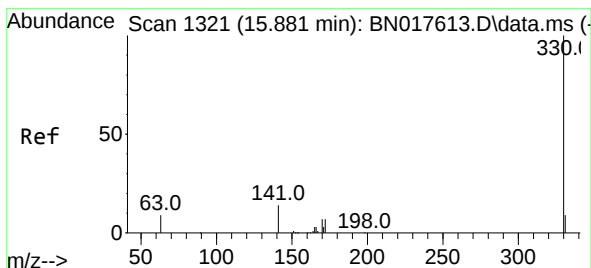
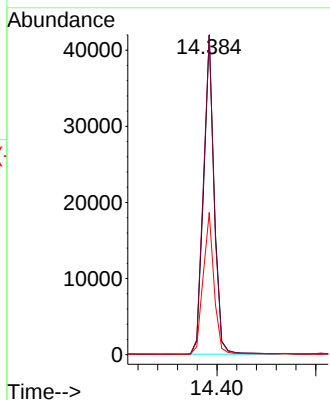
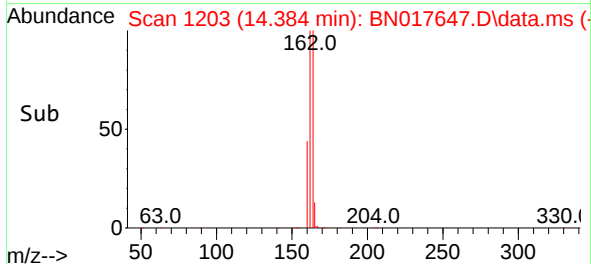
Instrument :
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Tgt Ion:164 Resp: 6278
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.2
160 44.5 36.8 55.2

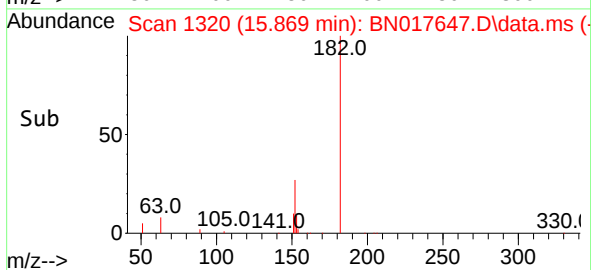
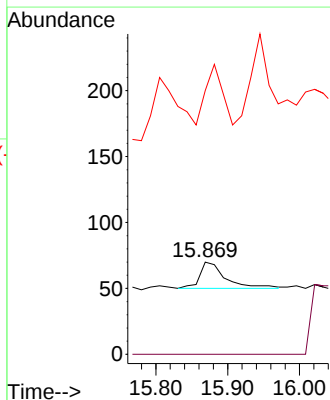
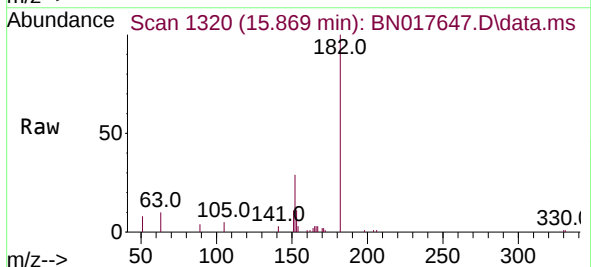
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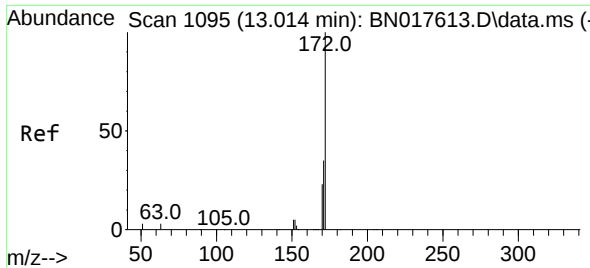
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.869 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

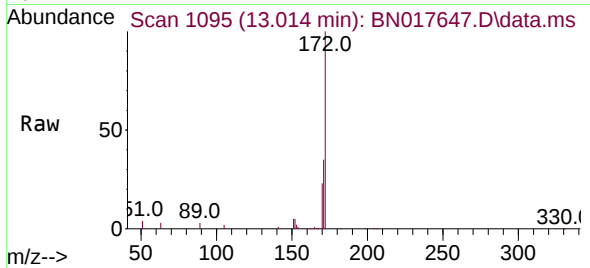
Tgt Ion:330 Resp: 50
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 144.0 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.107 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

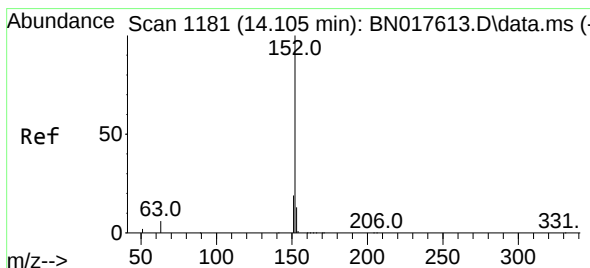
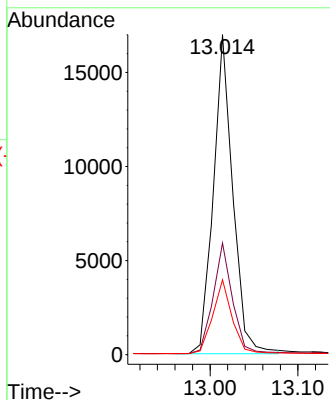
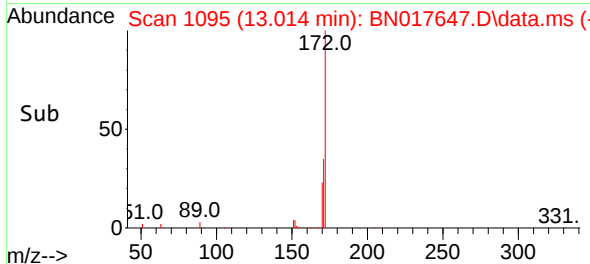
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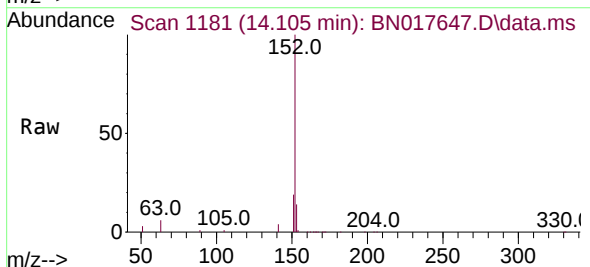
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Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 23.4 19.4 29.2

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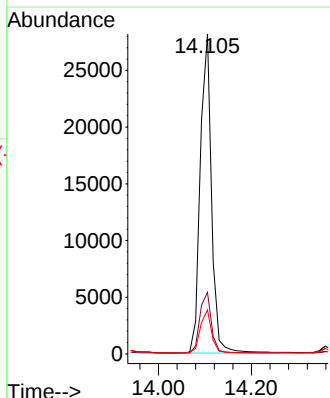
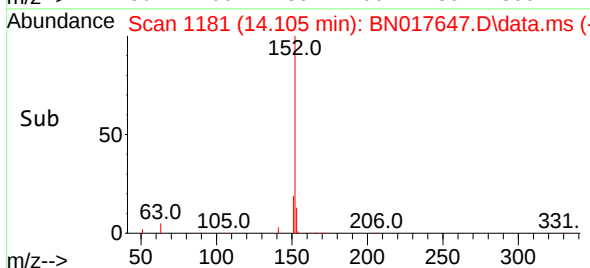
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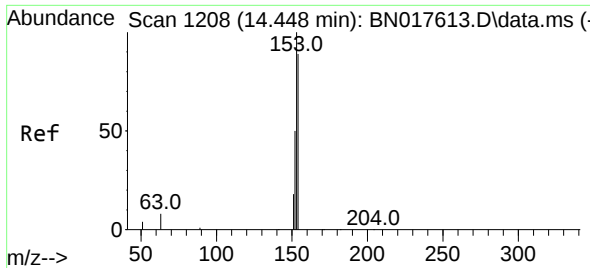


#16
Acenaphthylene
Concen: 0.194 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46



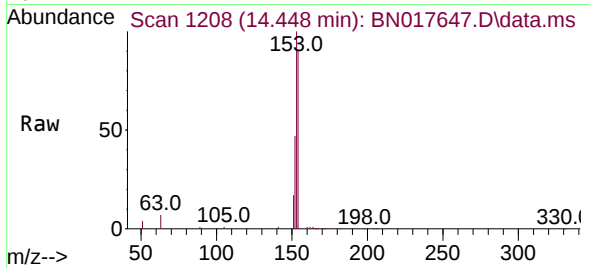
Tgt Ion:152 Resp: 47451
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 13.5 10.4 15.6





#17
Acenaphthene
Concen: 0.255 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

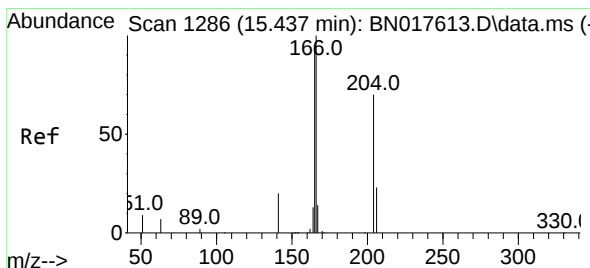
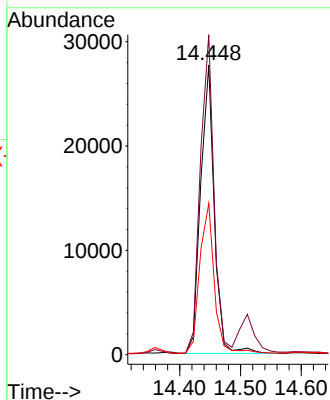
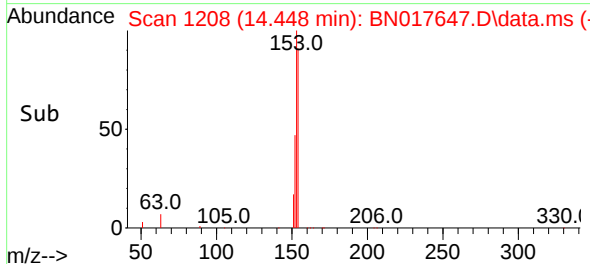
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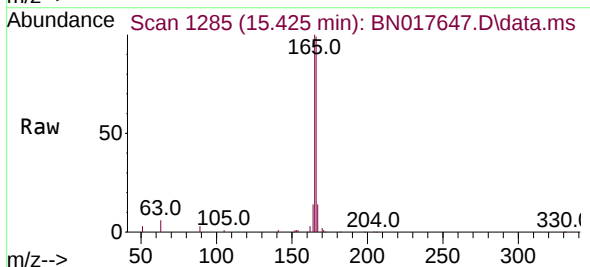
Tgt Ion:154 Resp: 43249
Ion Ratio Lower Upper
154 100
153 110.6 91.2 136.8
152 55.0 44.3 66.5

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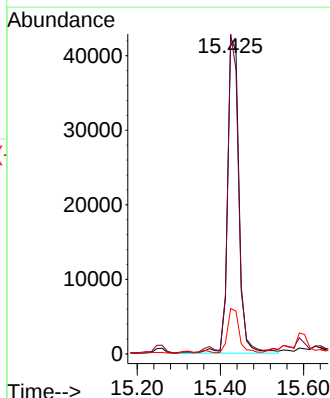
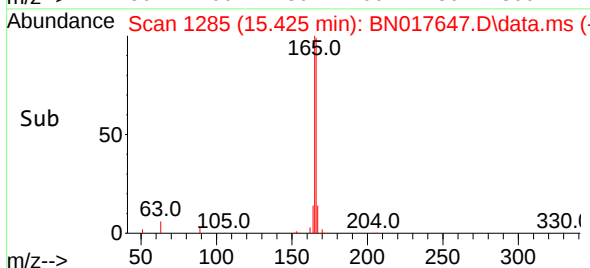
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

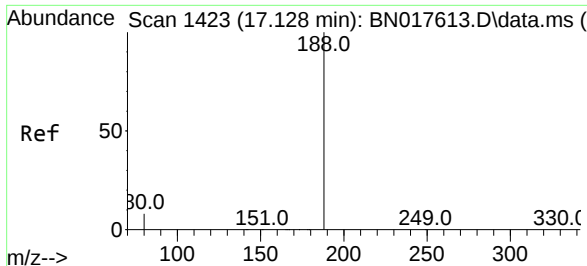


#18
Fluorene
Concen: 0.389 ng
RT: 15.425 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46



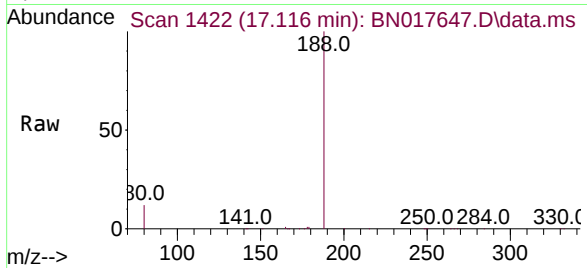
Tgt Ion:166 Resp: 79971
Ion Ratio Lower Upper
166 100
165 97.8 77.9 116.9
167 14.2 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

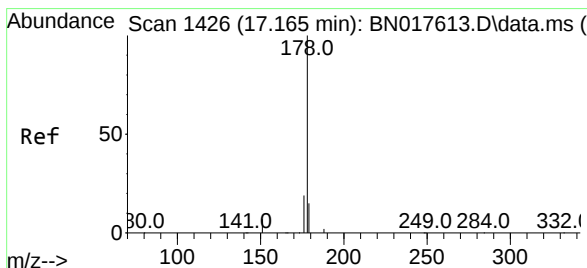
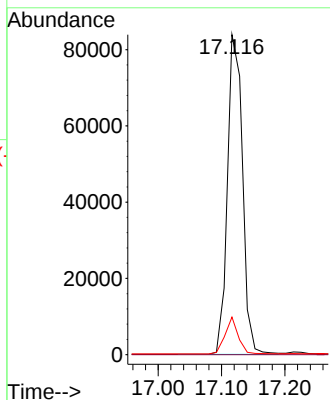
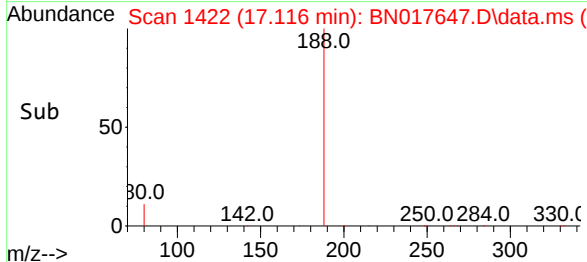
Instrument :
BNA_N
ClientSampleId :
CS-1BDL



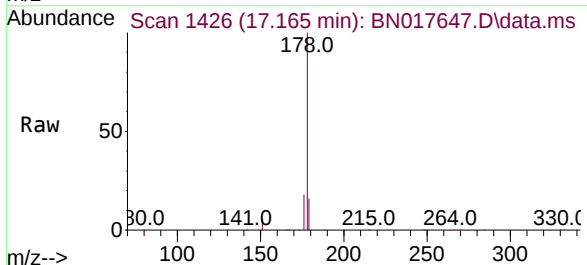
Tgt Ion:188 Resp: 138290
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.7 6.1 9.1

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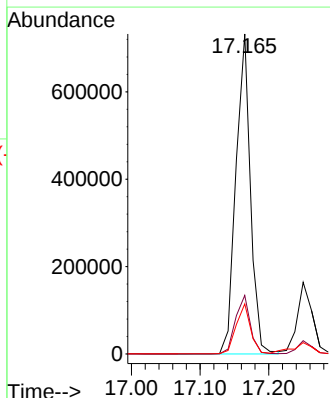
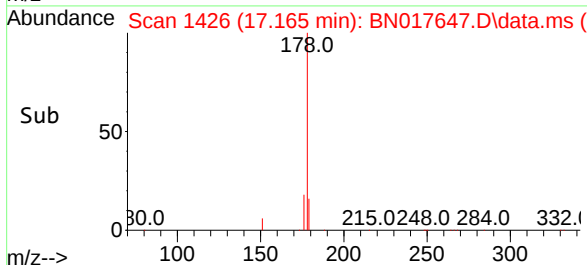
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

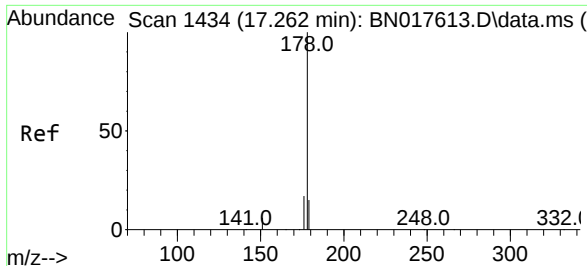


#25
Phenanthrene
Concen: 2.845 ng
RT: 17.165 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46



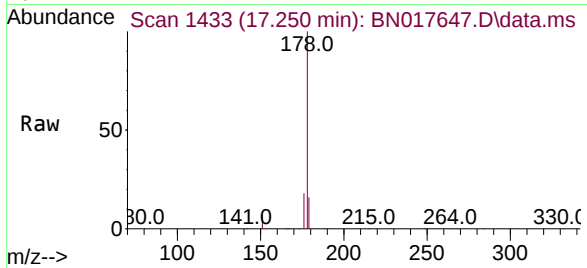
Tgt Ion:178 Resp: 1079144
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.6 12.3 18.5





#26
 Anthracene
 Concen: 0.779 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017647.D
 Acq: 01 Dec 2021 12:46

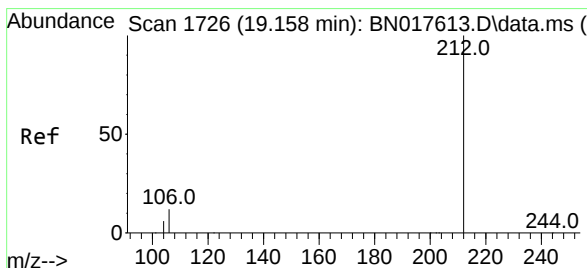
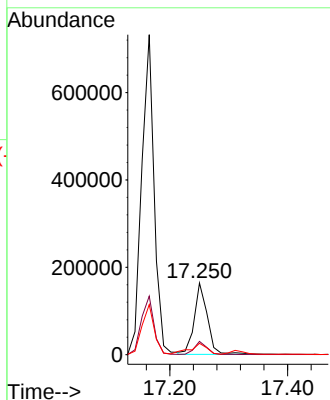
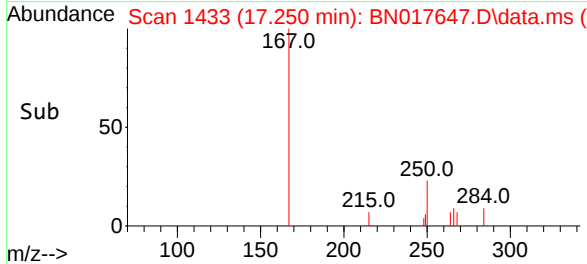
Instrument :
 BNA_N
 ClientSampleId :
 CS-1BDL



Tgt Ion:178 Resp: 253792
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.6 22.0
 179 19.3 12.2 18.4

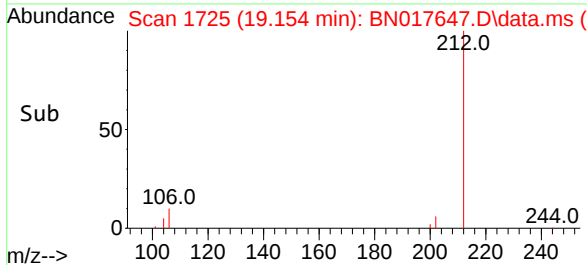
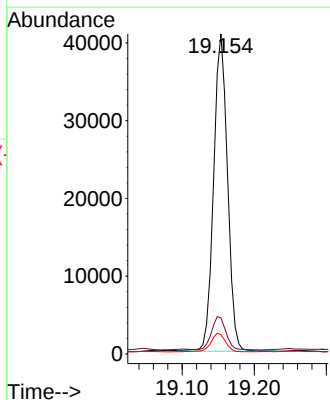
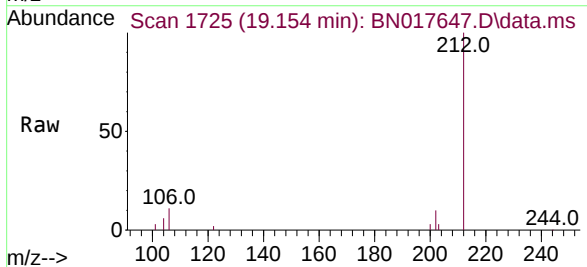
Manual Integrations
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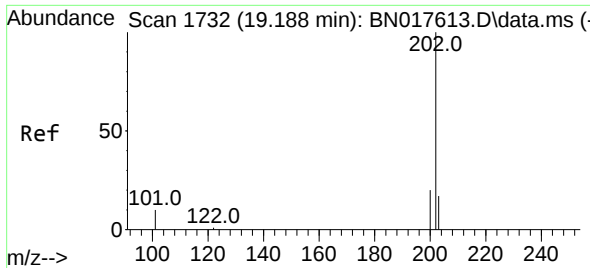
Reviewed By :Jagrut Upadhyay 12/01/2021
 Supervised By :mohammad ahmed 12/05/2021



#27
 Fluoranthene-d10
 Concen: 0.126 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017647.D
 Acq: 01 Dec 2021 12:46

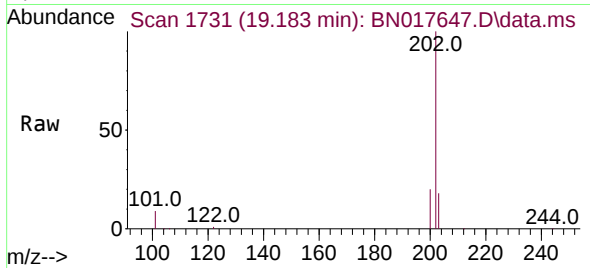
Tgt Ion:212 Resp: 54598
 Ion Ratio Lower Upper
 212 100
 106 10.9 10.5 15.7
 104 6.3 5.8 8.6





#28
Fluoranthene
Concen: 3.657 ng
RT: 19.183 min Scan# 1731
Delta R.T. -0.005 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

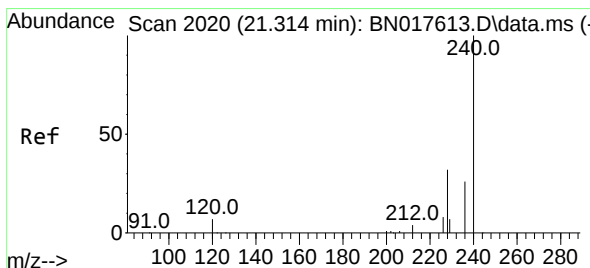
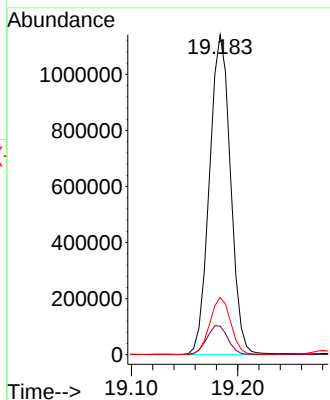
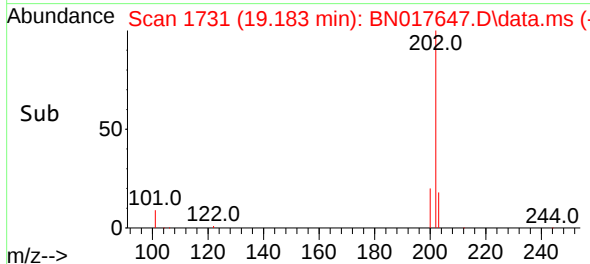
Instrument :
BNA_N
ClientSampleId :
CS-1BDL



Tgt Ion:202 Resp: 156975
Ion Ratio Lower Upper
202 100
101 9.1 8.9 13.3
203 17.6 13.8 20.6

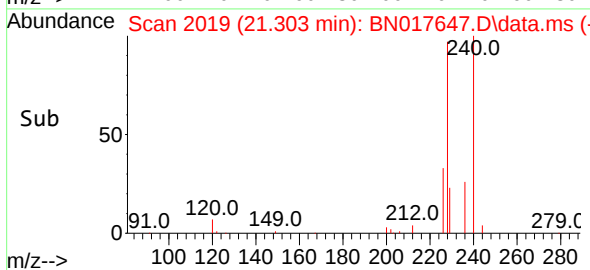
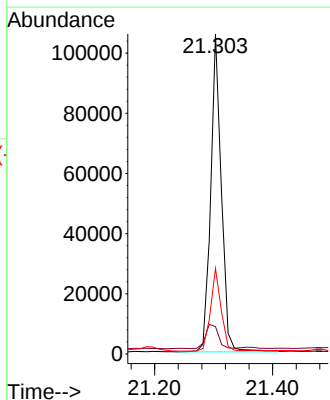
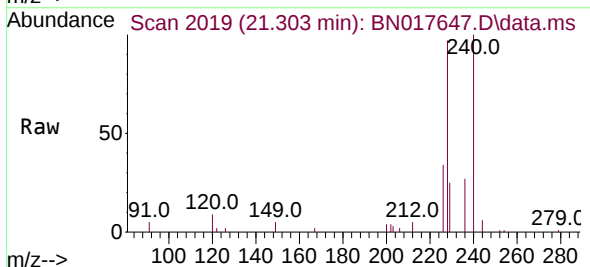
Manual Integrations
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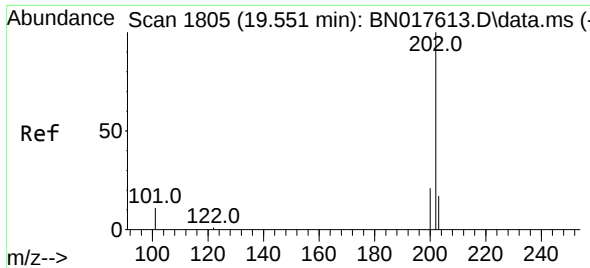
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

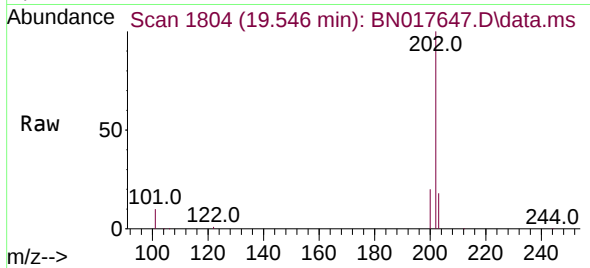
Tgt Ion:240 Resp: 132134
Ion Ratio Lower Upper
240 100
120 8.5 4.2 6.2#
236 26.7 20.0 30.0





#30
 Pyrene
 Concen: 2.997 ng
 RT: 19.546 min Scan# 1804
 Delta R.T. -0.005 min
 Lab File: BN017647.D
 Acq: 01 Dec 2021 12:46

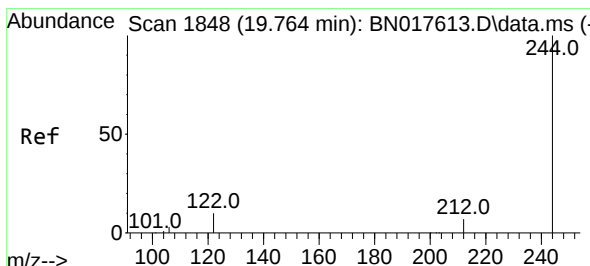
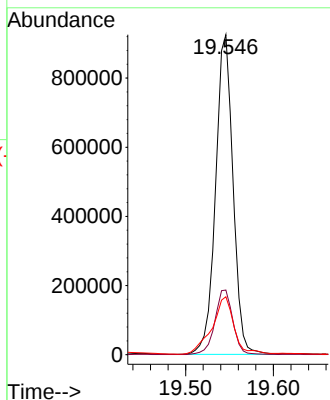
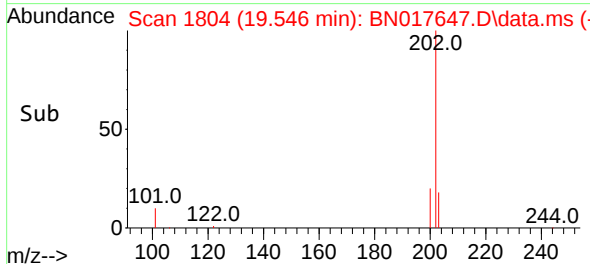
Instrument :
 BNA_N
 ClientSampleId :
 CS-1BDL



Tgt Ion:202 Resp: 1278319
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.5 24.7
 203 22.4 14.0 21.0

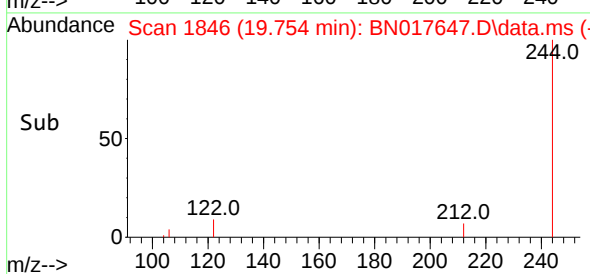
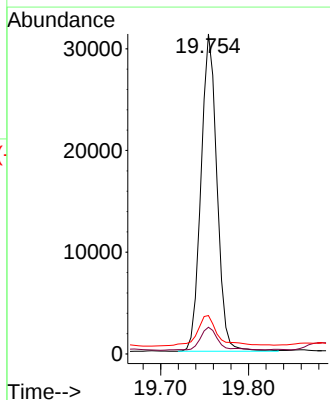
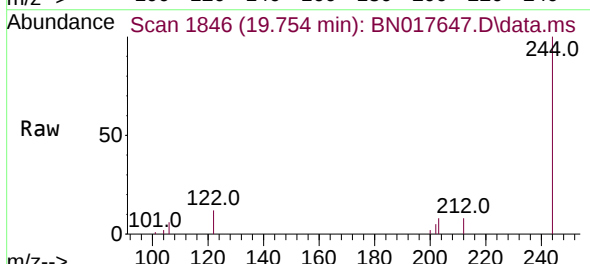
Manual Integrations
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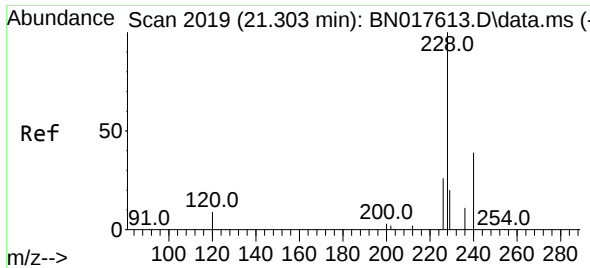
Reviewed By :Jagrut Upadhyay 12/01/2021
 Supervised By :mohammad ahmed 12/05/2021



#31
 Terphenyl-d14
 Concen: 0.136 ng
 RT: 19.754 min Scan# 1846
 Delta R.T. -0.010 min
 Lab File: BN017647.D
 Acq: 01 Dec 2021 12:46

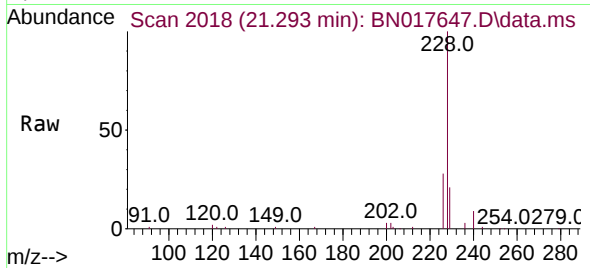
Tgt Ion:244 Resp: 39408
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.7 8.5
 122 12.0 8.6 13.0





#32
Benzo(a)anthracene
Concen: 1.734 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

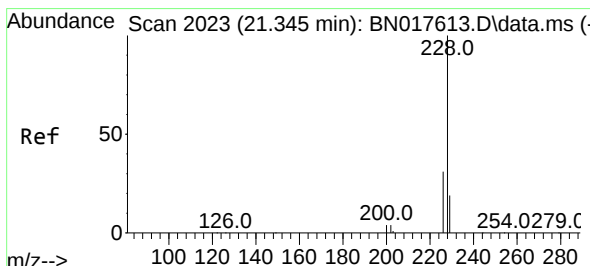
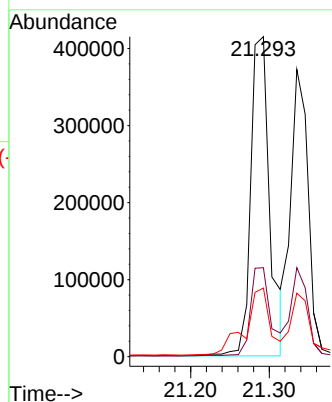
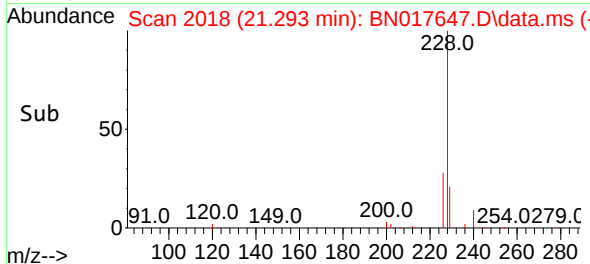
Instrument :
BNA_N
ClientSampleId :
CS-1BDL



Tgt Ion:228 Resp: 696098
Ion Ratio Lower Upper
228 100
226 27.8 21.3 31.9
229 21.5 15.7 23.5

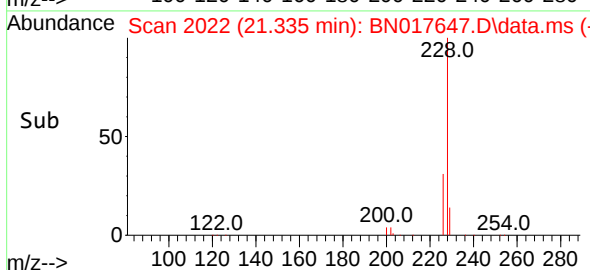
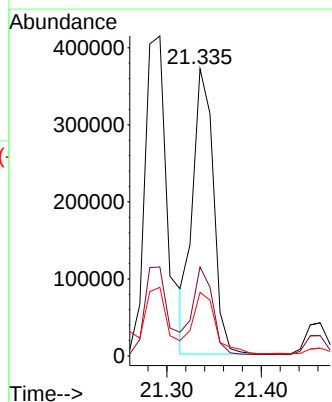
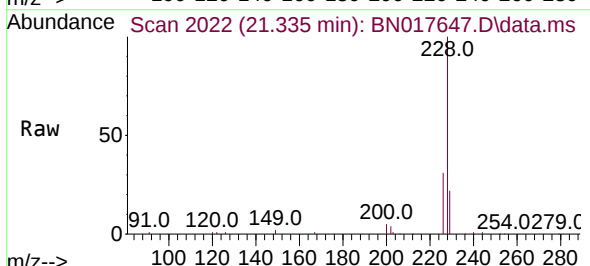
Manual Integrations
APPROVED

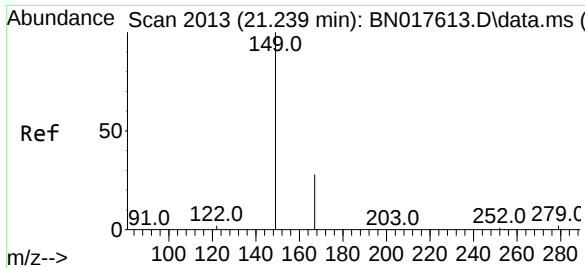
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#33
Chrysene
Concen: 1.299 ng
RT: 21.335 min Scan# 2022
Delta R.T. -0.010 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion:228 Resp: 567288
Ion Ratio Lower Upper
228 100
226 30.9 23.3 34.9
229 22.1 15.6 23.4





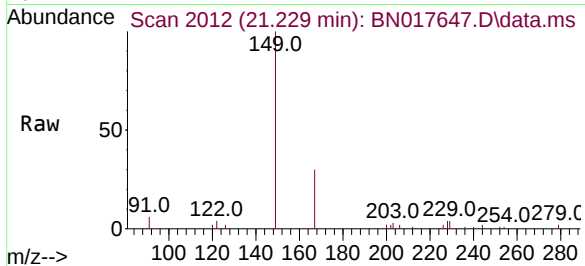
#34
Bis(2-ethylhexyl)phthalate
Concen: 1.172 ng
RT: 21.229 min Scan# 2013
Delta R.T. -0.010 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Instrument :

BNA_N

ClientSampleId :

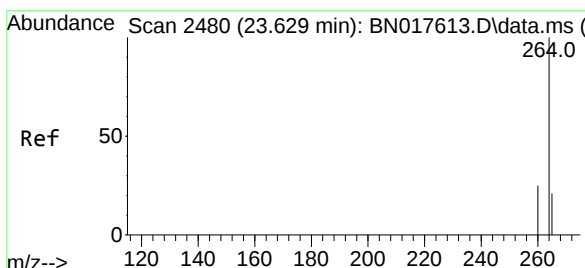
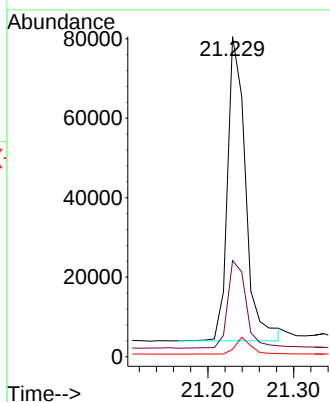
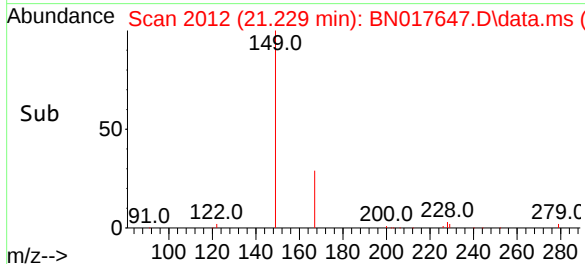
CS-1BDL



Tgt Ion:149 Resp: 111618
Ion Ratio Lower Upper
149 100
167 29.6 21.8 32.6
279 4.8 3.4 5.0

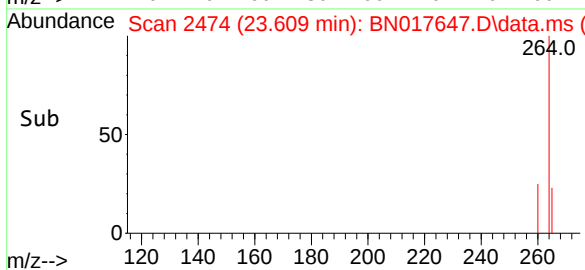
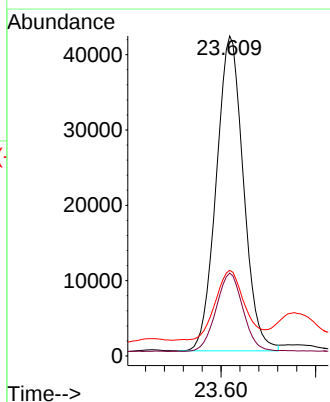
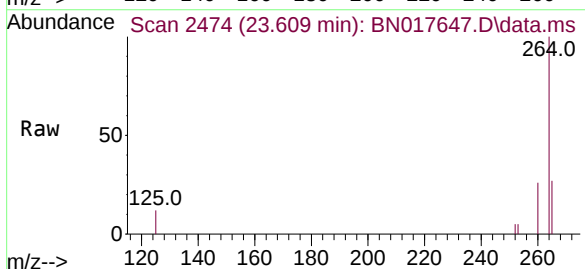
Manual Integrations
APPROVED

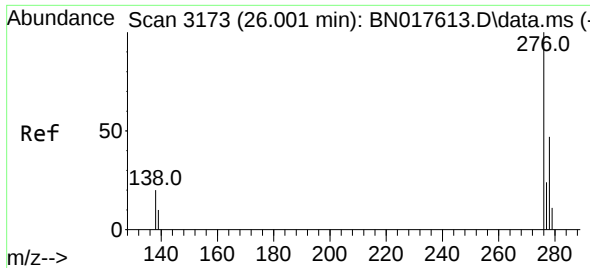
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.609 min Scan# 2474
Delta R.T. -0.020 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

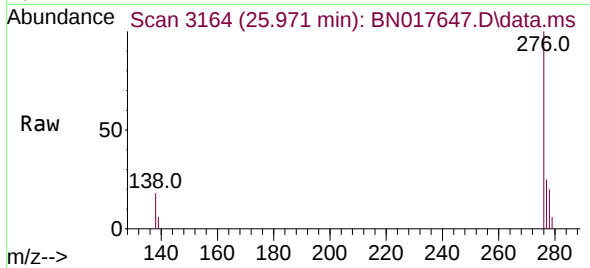
Tgt Ion:264 Resp: 83294
Ion Ratio Lower Upper
264 100
260 25.9 19.4 29.2
265 26.7 18.6 28.0





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.474 ng
RT: 25.971 min Scan# 3173
Delta R.T. -0.031 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

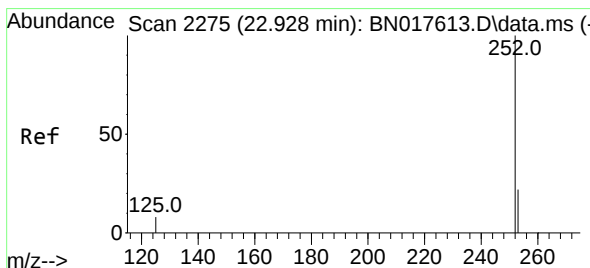
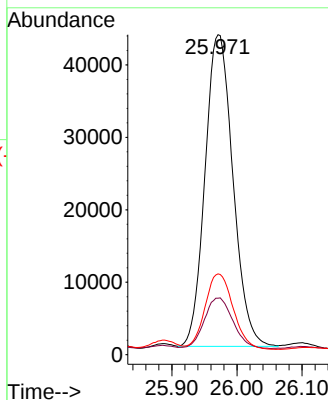
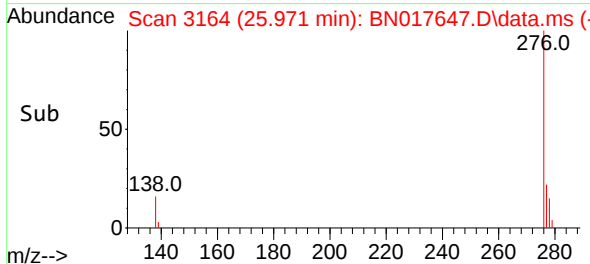
Instrument :
BNA_N
ClientSampleId :
CS-1BDL



Tgt Ion:276 Resp: 128319
Ion Ratio Lower Upper
276 100
138 16.6 19.7 29.5
277 24.6 20.0 30.0

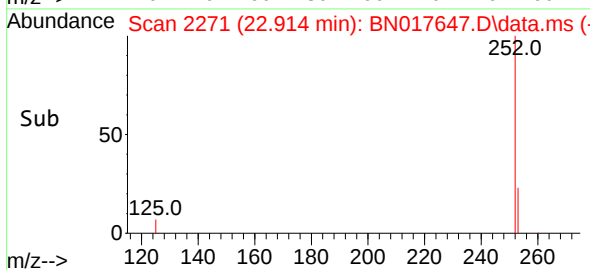
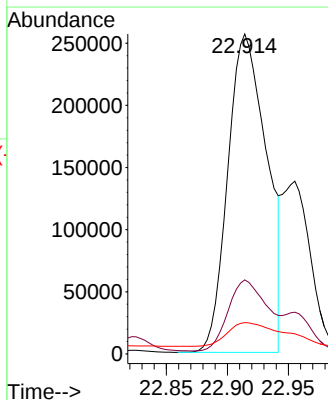
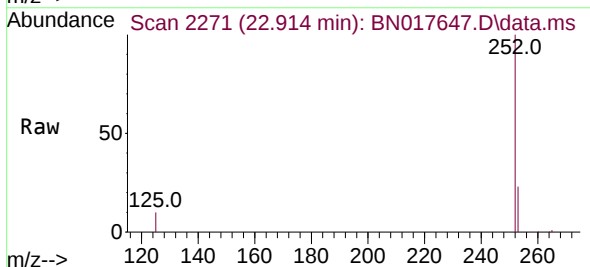
Manual Integrations
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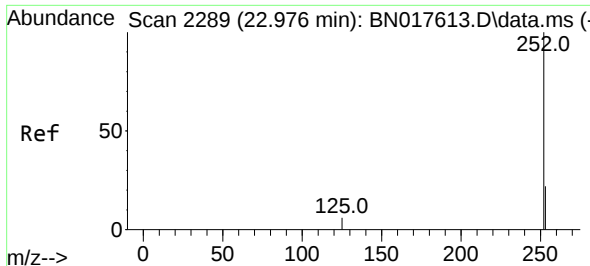
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#37
Benzo(b)fluoranthene
Concen: 2.056 ng
RT: 22.914 min Scan# 2271
Delta R.T. -0.014 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

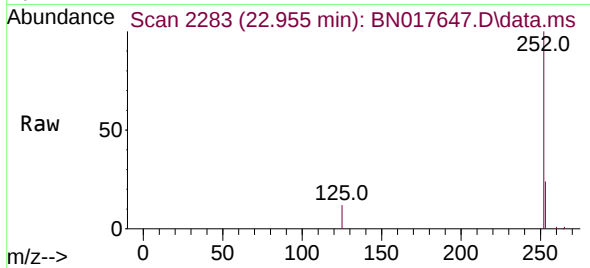
Tgt Ion:252 Resp: 567778
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 9.8 7.8 11.8





#38
Benzo(k)fluoranthene
Concen: 0.792 ng m
RT: 22.955 min Scan# 21
Delta R.T. -0.020 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

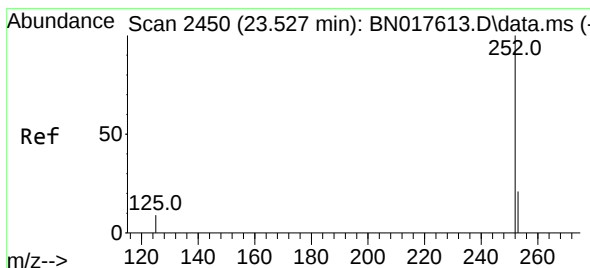
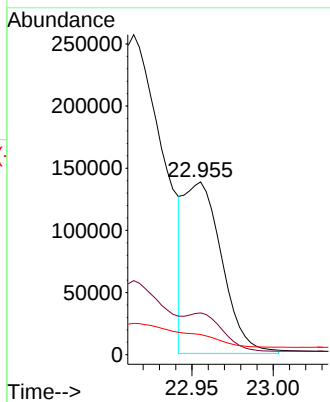
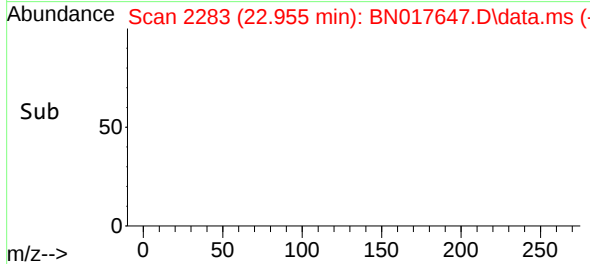
Instrument :
BNA_N
ClientSampleId :
CS-1BDL



Tgt Ion:252 Resp: 224239
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 11.7 8.2 12.2

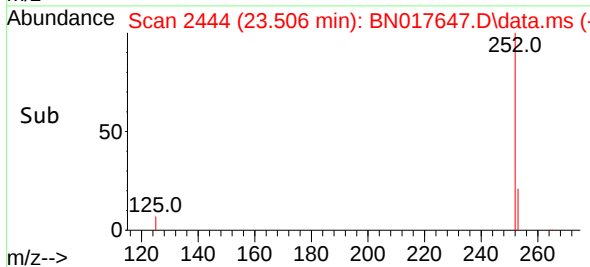
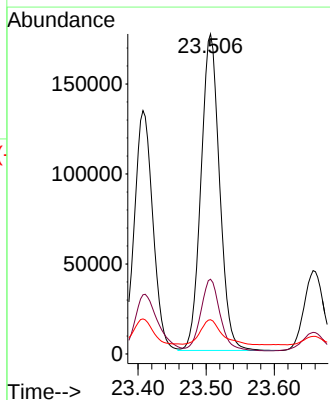
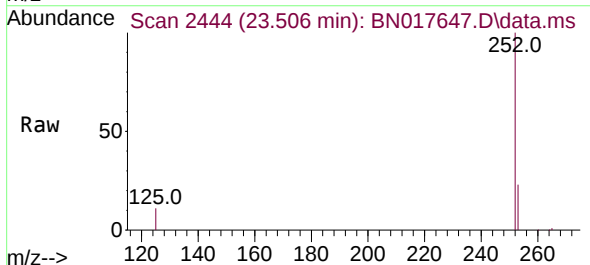
Manual Integrations
APPROVED

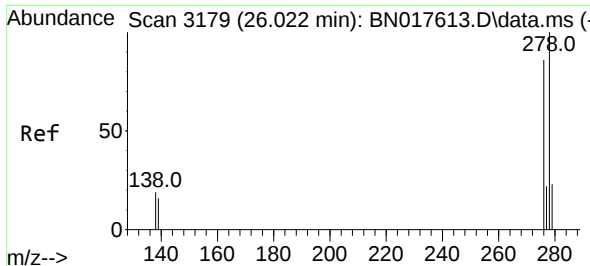
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#39
Benzo(a)pyrene
Concen: 1.346 ng
RT: 23.506 min Scan# 2444
Delta R.T. -0.020 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

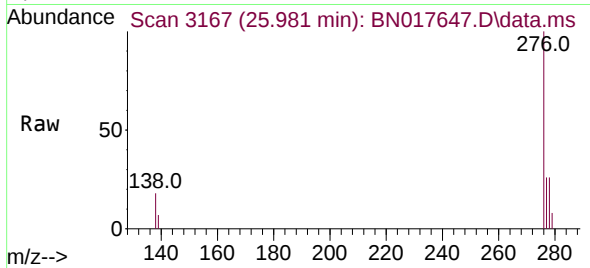
Tgt Ion:252 Resp: 332841
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 10.7 9.2 13.8





#40
Dibenzo(a,h)anthracene
Concen: 0.145 ng
RT: 25.981 min Scan# 3179
Delta R.T. -0.041 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

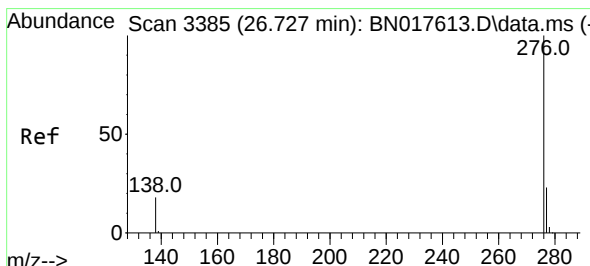
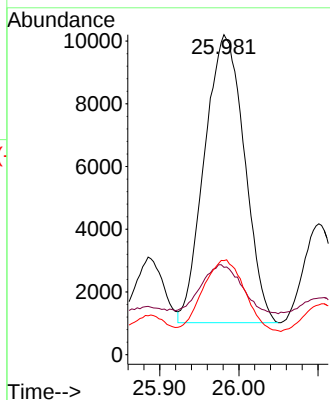
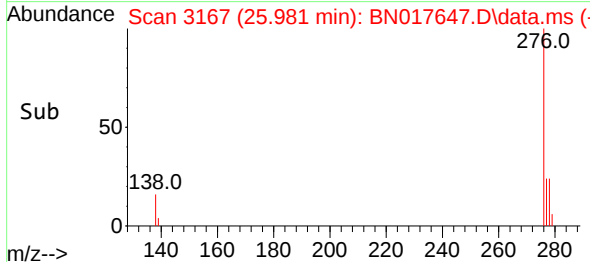
Instrument :
BNA_N
ClientSampleId :
CS-1BDL



Tgt Ion:278 Resp: 3210
Ion Ratio Lower Upper
278 100
139 27.3 13.0 19.6
279 29.4 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: 0.482 ng
RT: 26.696 min Scan# 3376
Delta R.T. -0.031 min
Lab File: BN017647.D
Acq: 01 Dec 2021 12:46

Tgt Ion:276 Resp: 109698
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.4
138 18.0 17.1 25.7

