

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017659.D
 Acq On : 01 Dec 2021 20:15
 Operator : CG/JU
 Sample : M4862-09DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-5BDL

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 20:49:31 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 01 18:24:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	21965	0.400	ng	-0.04
7) Naphthalene-d8	10.522	136	92948	0.400	ng	-0.03
13) Acenaphthene-d10	14.359	164	60334	0.400	ng	-0.03
19) Phenanthrene-d10	17.104	188	132151	0.400	ng	-0.01
29) Chrysene-d12	21.292	240	133542	0.400	ng	#-0.01
35) Perylene-d12	23.585	264	154446	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.357	112	259	0.005	ng	-0.02
5) Phenol-d6	6.915	99	1196	0.023	ng	-0.03
8) Nitrobenzene-d5	8.874	82	2875	0.073	ng	-0.04
11) 2-Methylnaphthalene-d10	12.111	152	9485	0.058	ng	-0.03
14) 2,4,6-Tribromophenol	15.856	330	38	0.126	ng	-0.01
15) 2-Fluorobiphenyl	12.989	172	12521	0.053	ng	-0.03
27) Fluoranthene-d10	19.134	212	25417	0.062	ng	-0.02
31) Terphenyl-d14	19.739	244	18698	0.064	ng	-0.01
Target Compounds						Qvalue
16) Acenaphthylene	14.080	152	27922	0.119	ng	99
17) Acenaphthene	14.422	154	8085	0.050	ng	98
18) Fluorene	15.412	166	18761m	0.095	ng	
25) Phenanthrene	17.141	178	474871	1.310	ng	100
26) Anthracene	17.226	178	84248	0.271	ng	# 94
28) Fluoranthene	19.163	202	797441	1.944	ng	# 97
30) Pyrene	19.526	202	634589	1.472	ng	96
32) Benzo(a)anthracene	21.271	228	329296	0.812	ng	96
33) Chrysene	21.324	228	333748	0.756	ng	97
34) Bis(2-ethylhexyl)phtha...	21.218	149	73404	0.763	ng	95
36) Indeno(1,2,3-cd)pyrene	25.936	276	228528	0.456	ng	# 91
37) Benzo(b)fluoranthene	22.894	252	491111	0.959	ng	# 94
38) Benzo(k)fluoranthene	22.935	252	162941m	0.310	ng	
39) Benzo(a)pyrene	23.482	252	286902	0.626	ng	# 94
40) Dibenzo(a,h)anthracene	25.950	278	53088	0.130	ng	# 79
41) Benzo(g,h,i)perylene	26.659	276	217633	0.516	ng	94

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

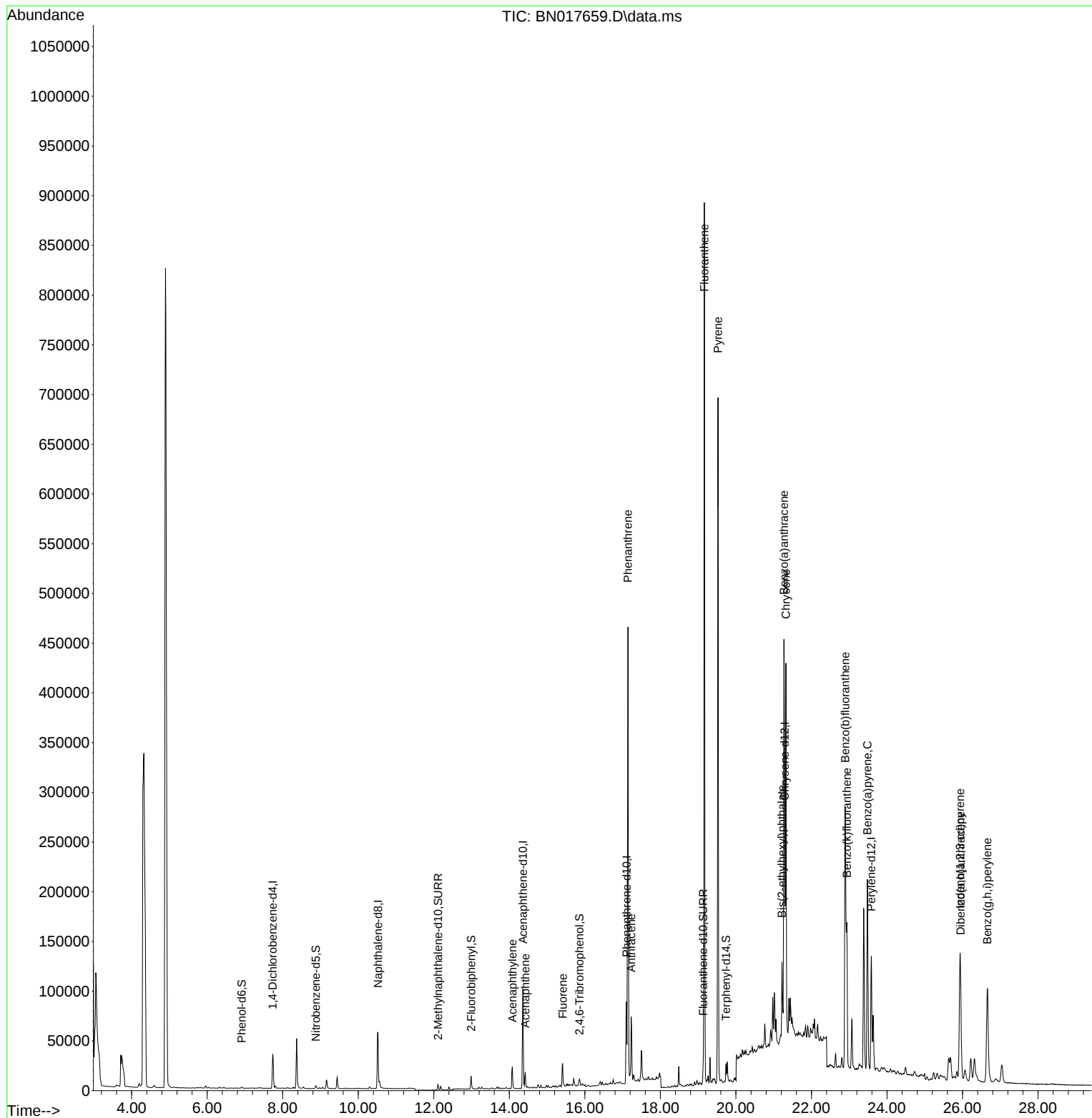
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
Data File : BN017659.D
Acq On : 01 Dec 2021 20:15
Operator : CG/JU
Sample : M4862-09DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

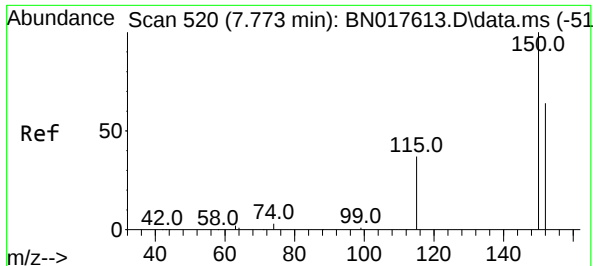
Instrument :
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Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

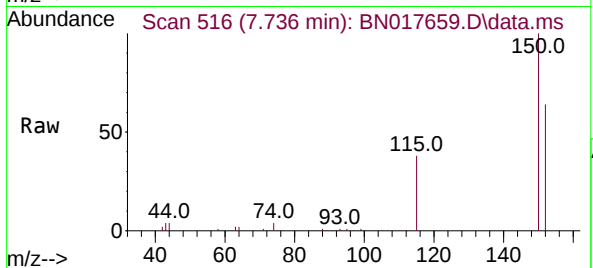
Quant Time: Dec 01 20:49:31 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 01 18:24:35 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 516
Delta R.T. -0.037 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

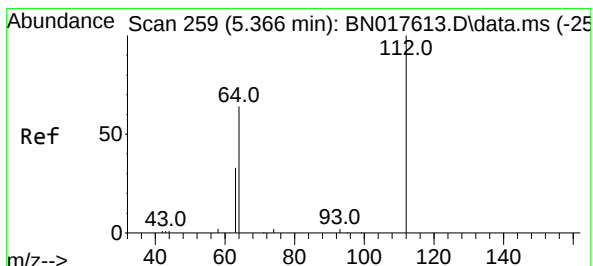
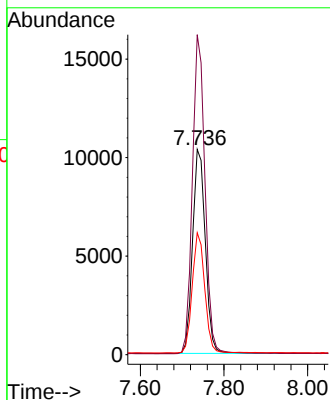
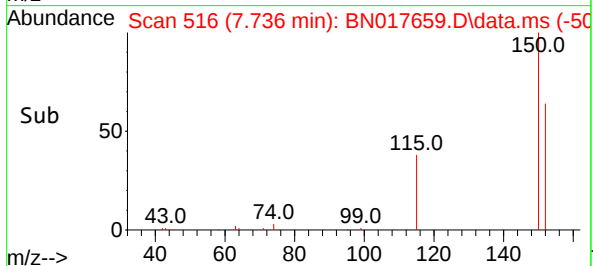
Instrument :
BNA_N
ClientSampleId :
CS-5BDL



Tgt Ion:152 Resp: 2196
Ion Ratio Lower Upper
152 100
150 155.9 123.0 184.4
115 59.4 45.6 68.4

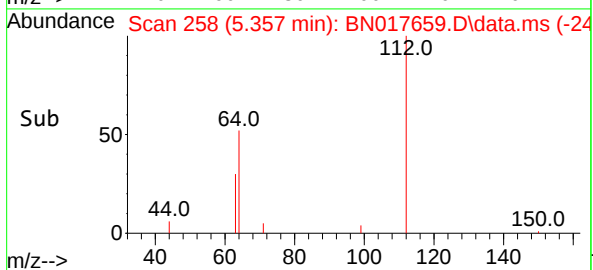
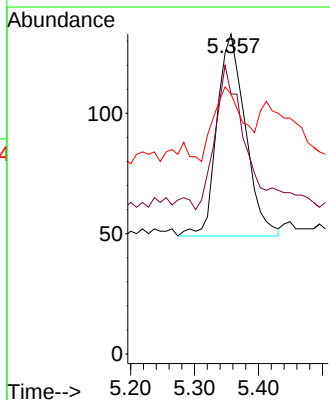
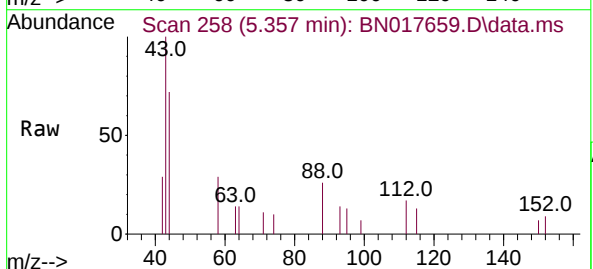
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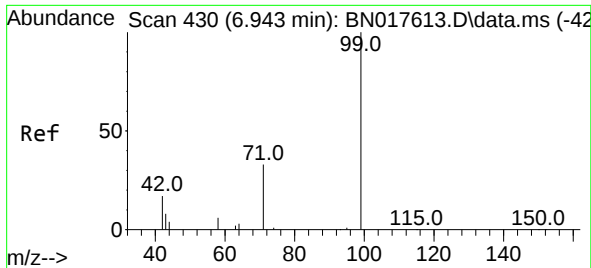
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#4
2-Fluorophenol
Concen: 0.005 ng
RT: 5.357 min Scan# 258
Delta R.T. -0.018 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

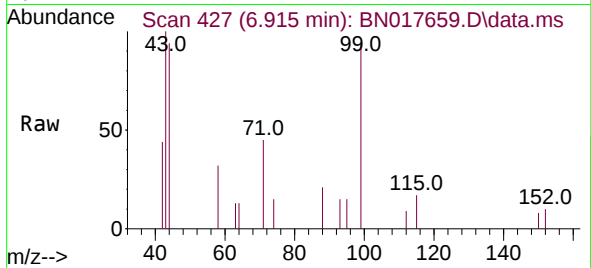
Tgt Ion:112 Resp: 259
Ion Ratio Lower Upper
112 100
64 78.0 47.6 71.4#
63 37.8 24.6 37.0#





#5
Phenol-d6
Concen: 0.023 ng
RT: 6.915 min Scan# 41
Delta R.T. -0.028 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

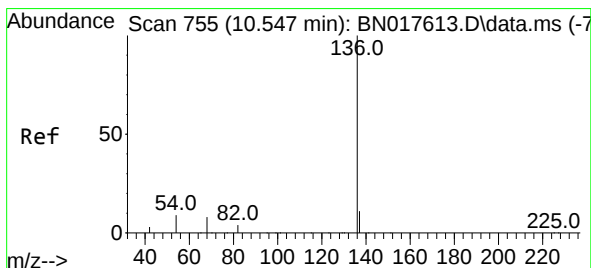
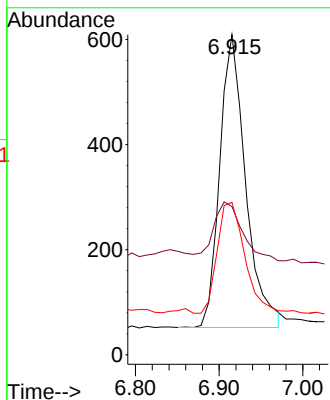
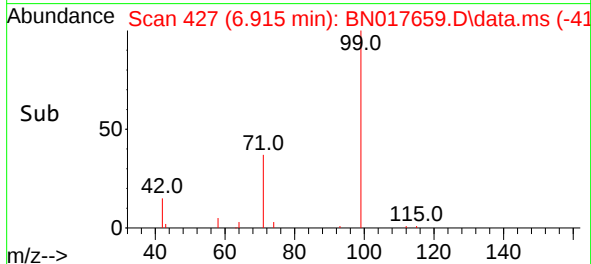
Instrument :
BNA_N
ClientSampleId :
CS-5BDL



Tgt Ion: 99 Resp: 1190
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 40.2 24.8 37.2

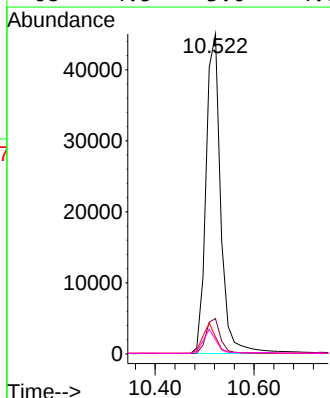
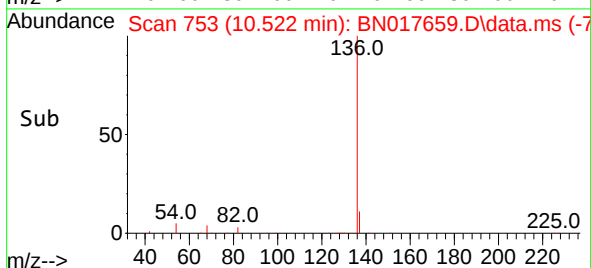
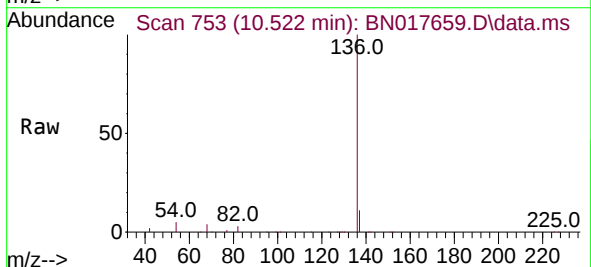
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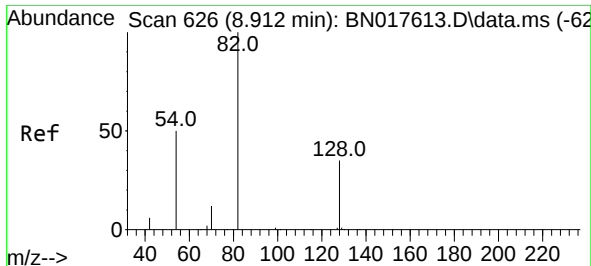
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.522 min Scan# 753
Delta R.T. -0.025 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

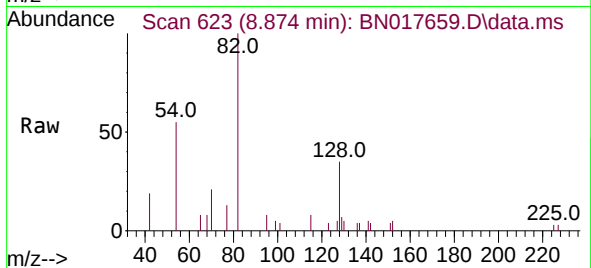
Tgt Ion:136 Resp: 92948
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 5.4 4.0 6.0
68 4.5 3.0 4.6





#8
Nitrobenzene-d5
Concen: 0.073 ng
RT: 8.874 min Scan# 61
Delta R.T. -0.038 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

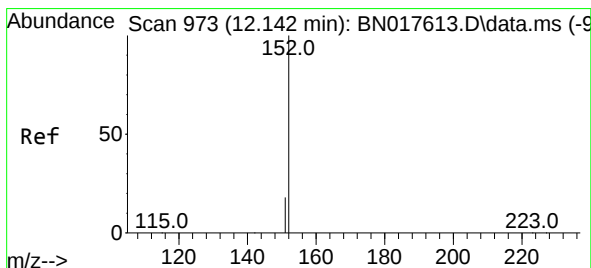
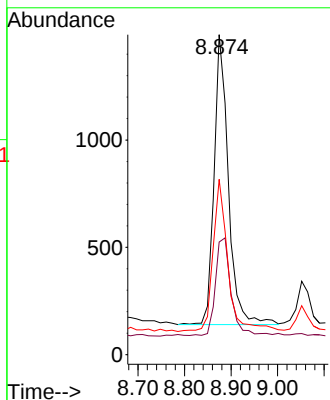
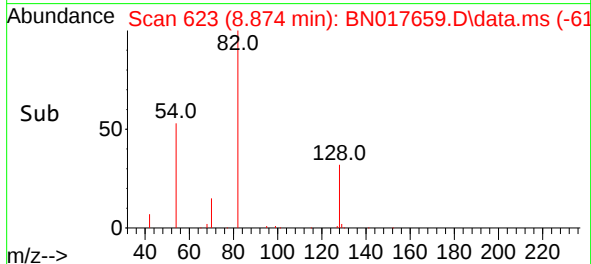
Instrument :
BNA_N
ClientSampleId :
CS-5BDL



Tgt Ion: 82 Resp: 287
Ion Ratio Lower Upper
82 100
128 35.2 27.7 41.5
54 54.8 49.2 73.8

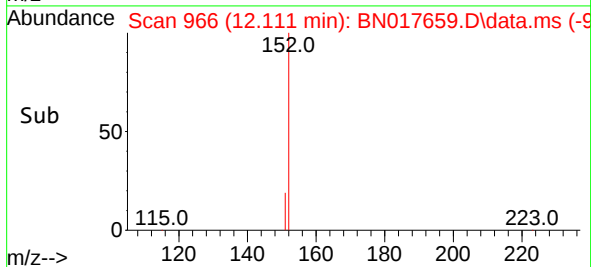
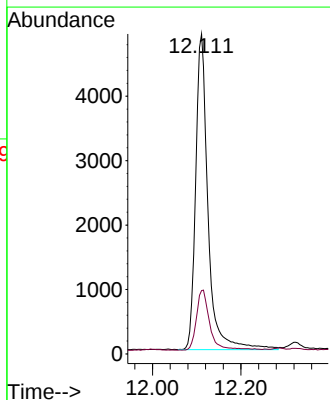
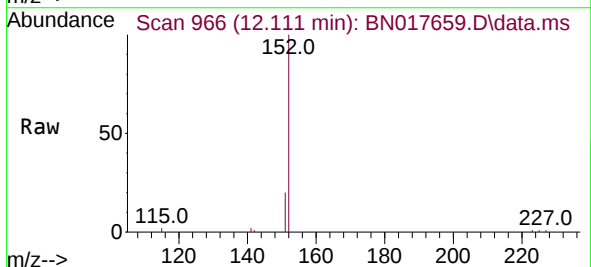
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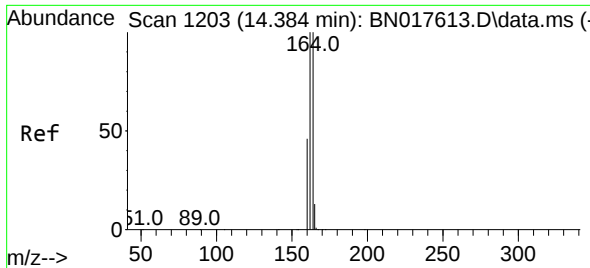
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#11
2-Methylnaphthalene-d10
Concen: 0.058 ng
RT: 12.111 min Scan# 966
Delta R.T. -0.027 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

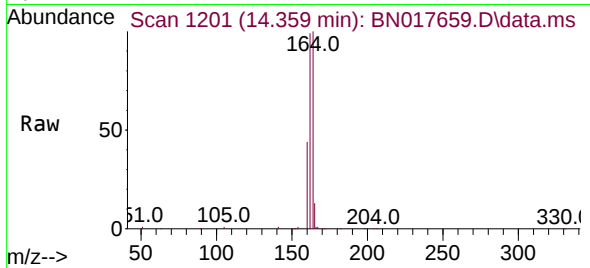
Tgt Ion:152 Resp: 9485
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.359 min Scan# 1201
Delta R.T. -0.025 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

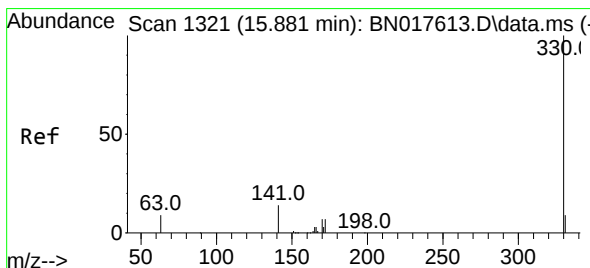
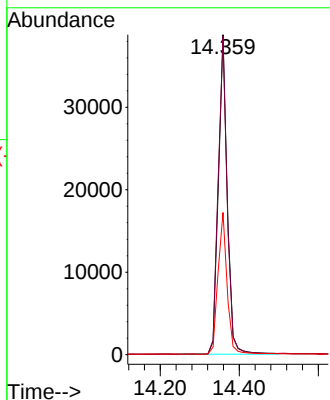
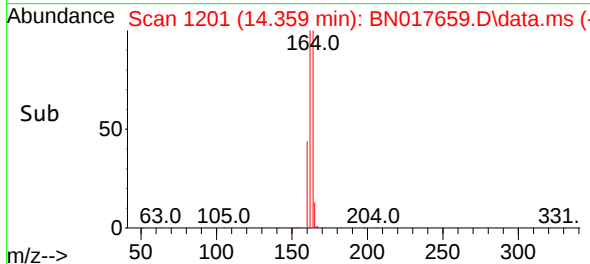
Instrument :
BNA_N
ClientSampleId :
CS-5BDL



Tgt Ion:164 Resp: 60334
Ion Ratio Lower Upper
164 100
162 99.5 81.4 122.2
160 44.4 36.8 55.2

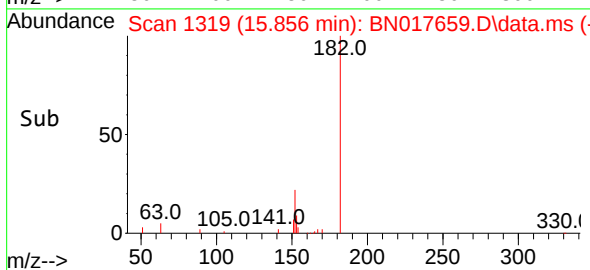
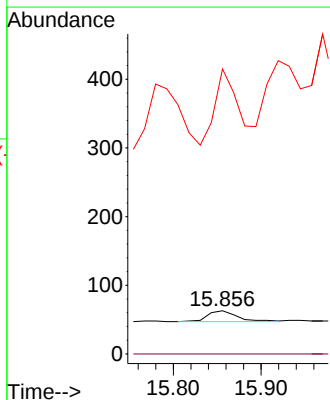
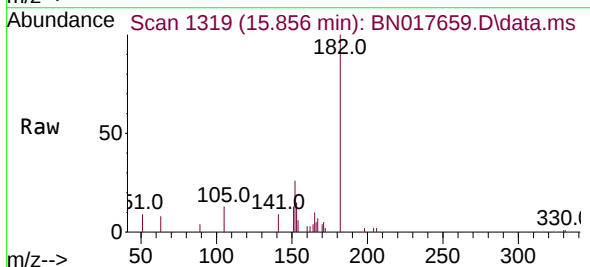
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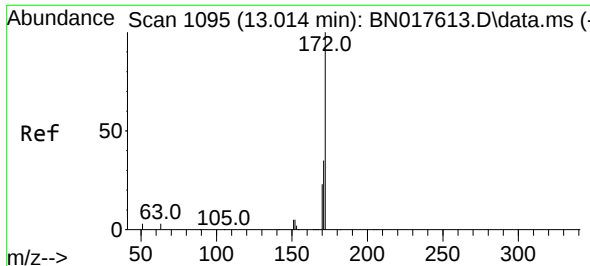
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.856 min Scan# 1319
Delta R.T. -0.013 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

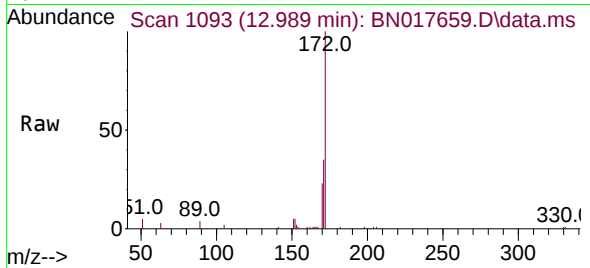
Tgt Ion:330 Resp: 38
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 552.6 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.053 ng
RT: 12.989 min Scan# 1095
Delta R.T. -0.025 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

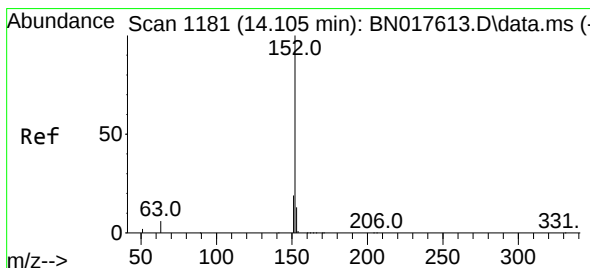
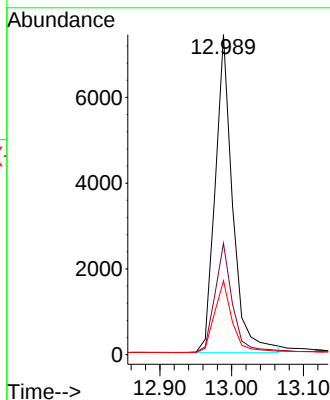
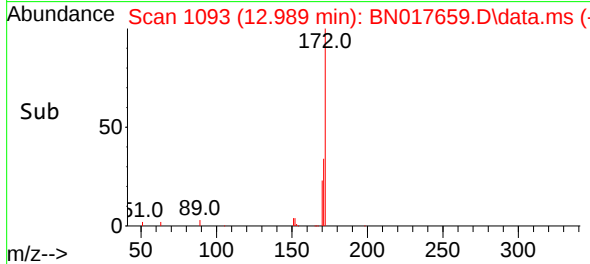
Instrument :
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CS-5BDL



Tgt Ion:172 Resp: 1252
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 23.1 19.4 29.2

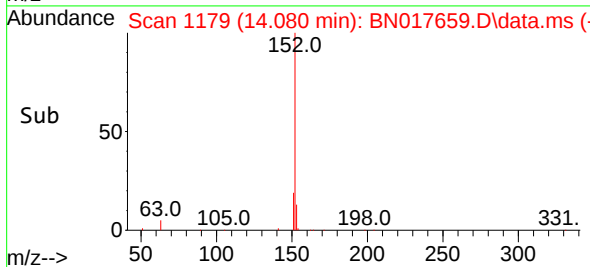
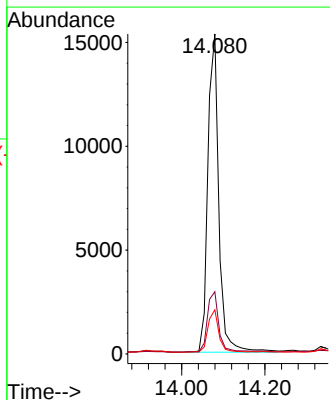
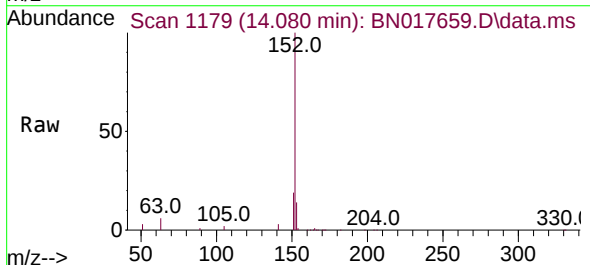
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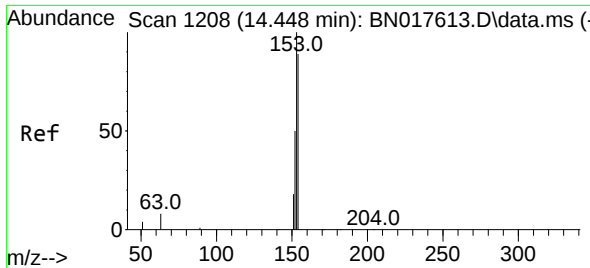
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#16
Acenaphthylene
Concen: 0.119 ng
RT: 14.080 min Scan# 1179
Delta R.T. -0.025 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

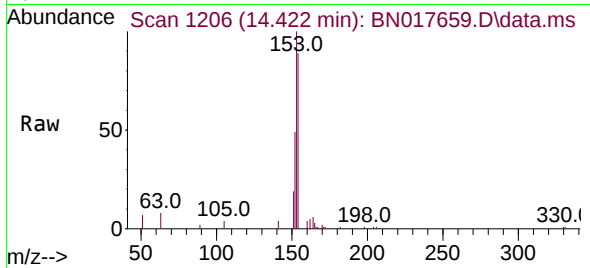
Tgt Ion:152 Resp: 27922
Ion Ratio Lower Upper
152 100
151 20.2 15.5 23.3
153 13.4 10.4 15.6





#17
Acenaphthene
Concen: 0.050 ng
RT: 14.422 min Scan# 1206
Delta R.T. -0.025 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

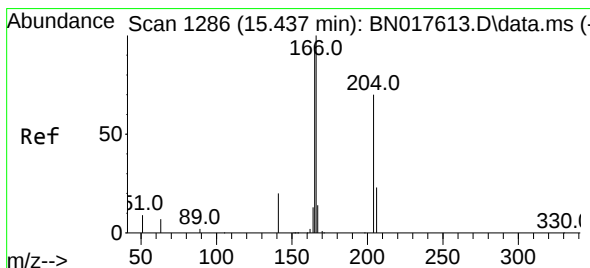
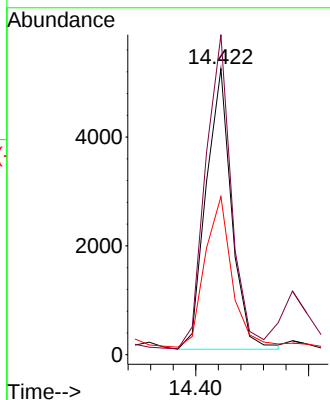
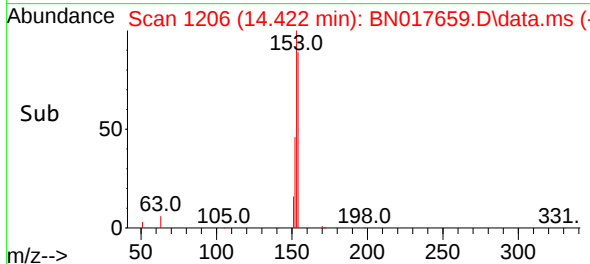
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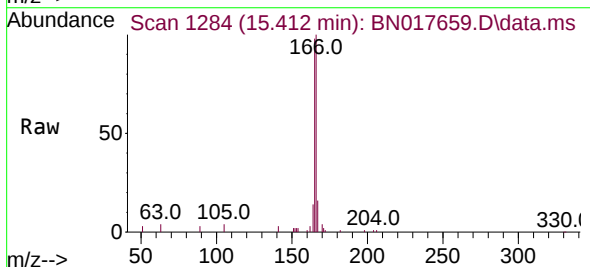
Tgt Ion:154 Resp: 808
Ion Ratio Lower Upper
154 100
153 112.9 91.2 136.8
152 59.2 44.3 66.5

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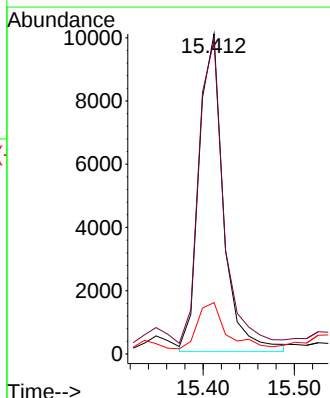
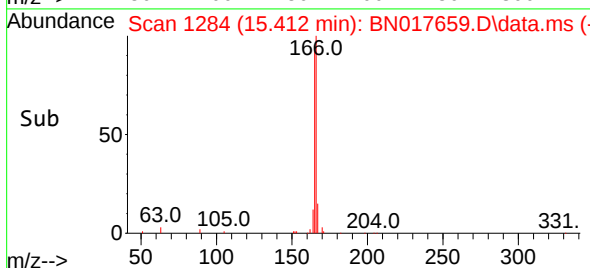
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

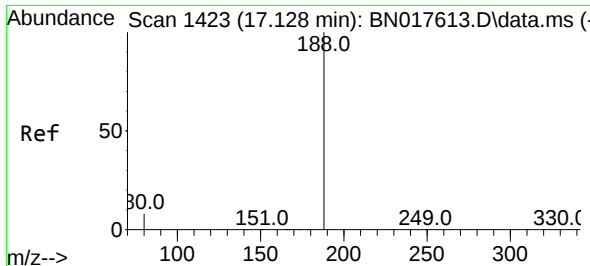


#18
Fluorene
Concen: 0.095 ng m
RT: 15.412 min Scan# 1284
Delta R.T. -0.013 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15



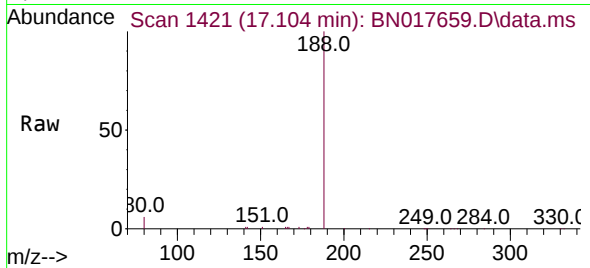
Tgt Ion:166 Resp: 18761
Ion Ratio Lower Upper
166 100
165 95.2 77.9 116.9
167 17.0 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

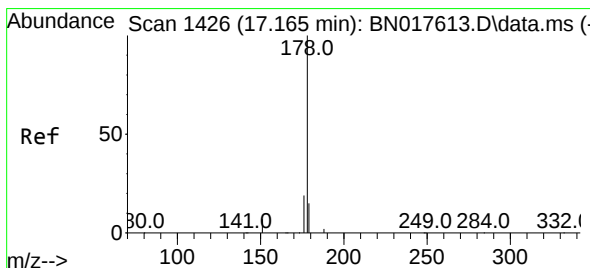
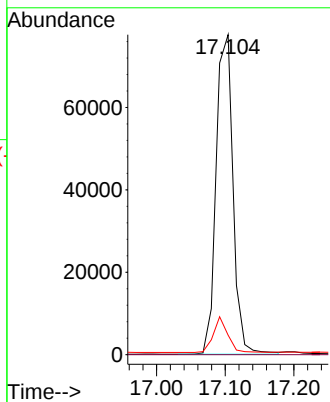
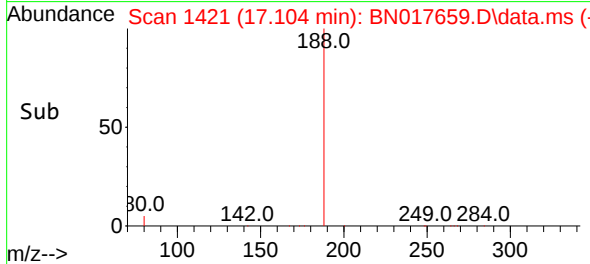
Instrument :
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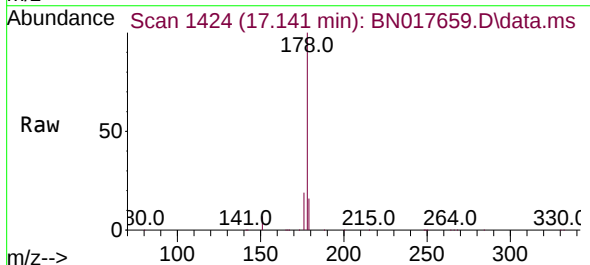
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94 0.0 0.0 0.0
80 6.1 6.1 9.1

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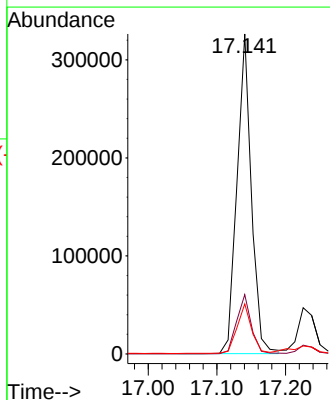
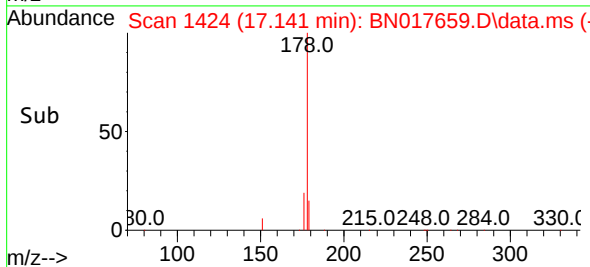
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

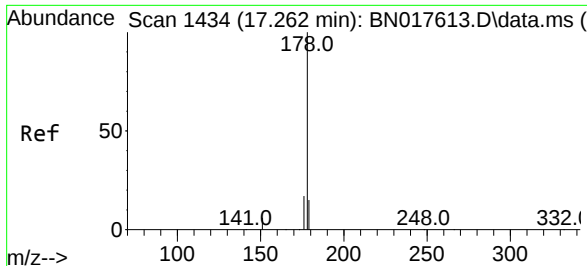


#25
Phenanthrene
Concen: 1.310 ng
RT: 17.141 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15



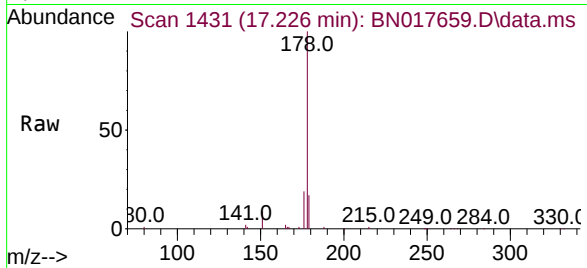
Tgt Ion:178 Resp: 474871
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.6 12.3 18.5





#26
 Anthracene
 Concen: 0.271 ng
 RT: 17.226 min Scan# 1434
 Delta R.T. -0.024 min
 Lab File: BN017659.D
 Acq: 01 Dec 2021 20:15

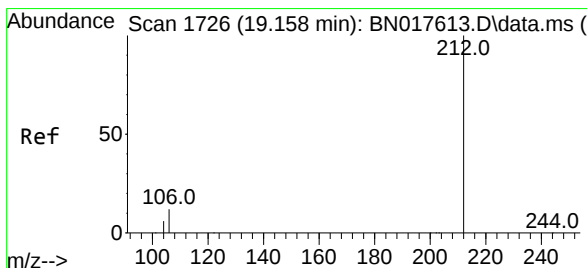
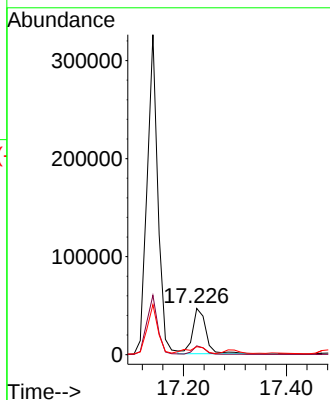
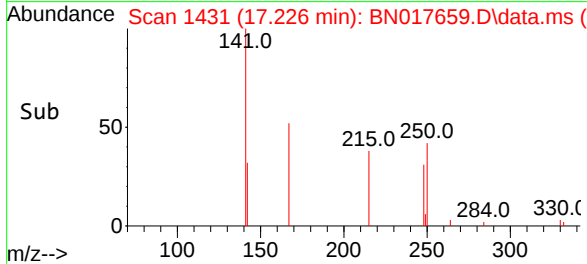
Instrument :
 BNA_N
 ClientSampleId :
 CS-5BDL



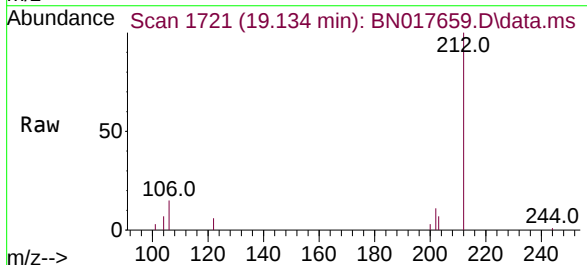
Tgt Ion:178 Resp: 84248
 Ion Ratio Lower Upper
 178 100
 176 17.3 14.6 22.0
 179 20.0 12.2 18.4

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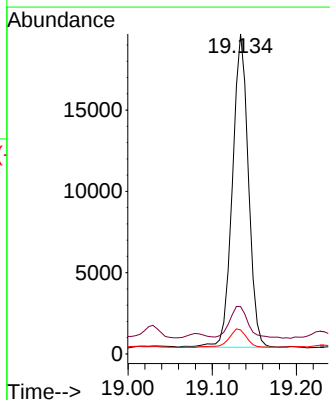
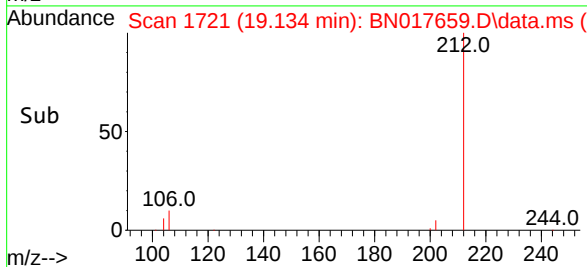
Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021

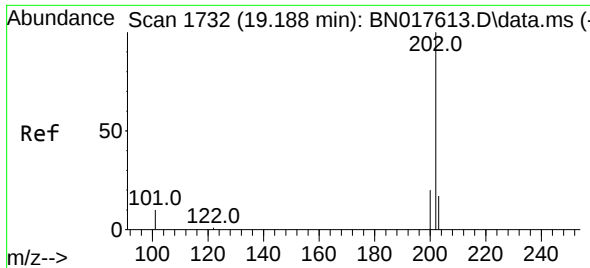


#27
 Fluoranthene-d10
 Concen: 0.062 ng
 RT: 19.134 min Scan# 1721
 Delta R.T. -0.020 min
 Lab File: BN017659.D
 Acq: 01 Dec 2021 20:15



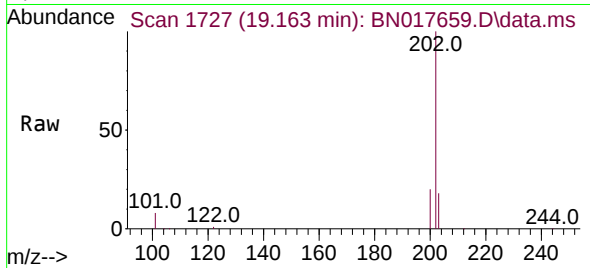
Tgt Ion:212 Resp: 25417
 Ion Ratio Lower Upper
 212 100
 106 11.8 10.5 15.7
 104 6.5 5.8 8.6





#28
Fluoranthene
Concen: 1.944 ng
RT: 19.163 min Scan# 11
Delta R.T. -0.020 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

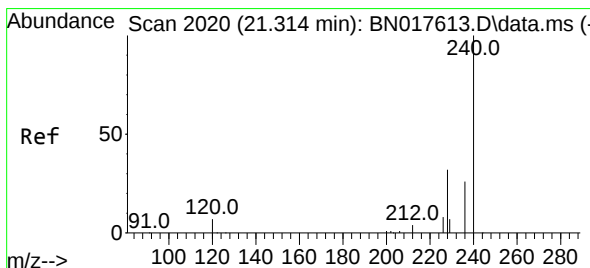
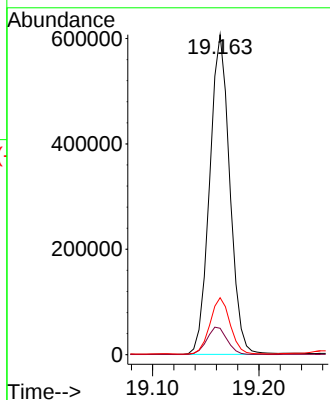
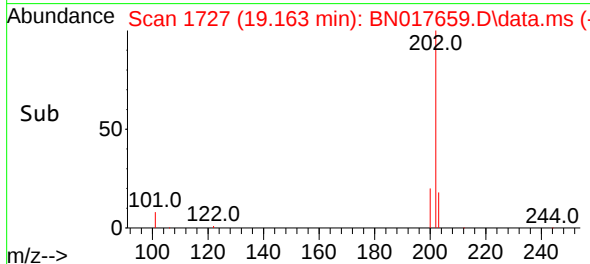
Instrument :
BNA_N
ClientSampleId :
CS-5BDL



Tgt Ion:202 Resp: 79744
Ion Ratio Lower Upper
202 100
101 8.7 8.9 13.3
203 17.5 13.8 20.6

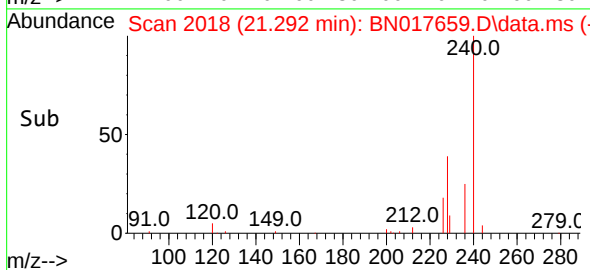
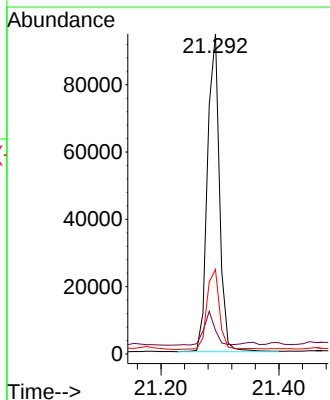
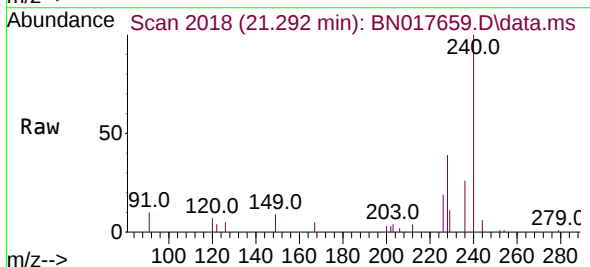
Manual Integrations
APPROVED

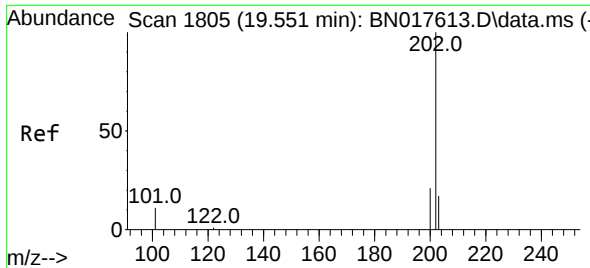
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.292 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion:240 Resp: 133542
Ion Ratio Lower Upper
240 100
120 7.4 4.2 6.2
236 26.4 20.0 30.0





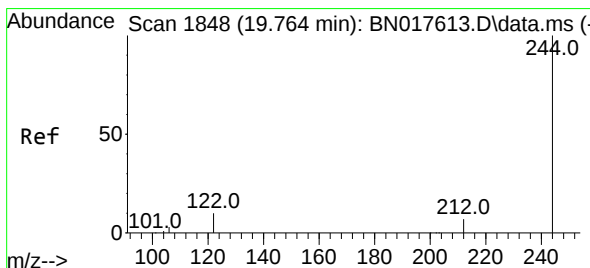
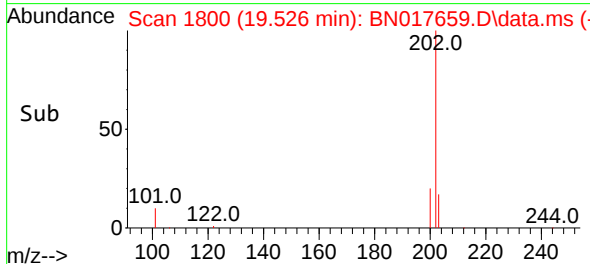
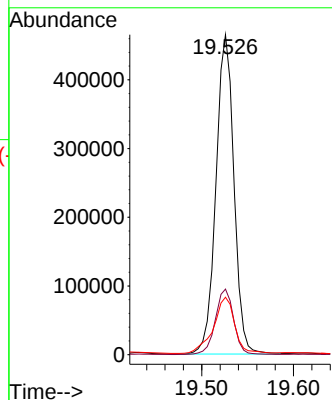
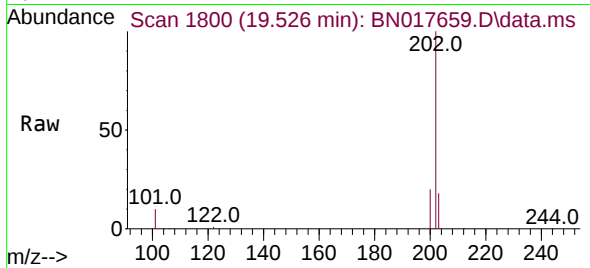
#30
Pyrene
Concen: 1.472 ng
RT: 19.526 min Scan# 1800
Delta R.T. -0.020 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Instrument :
BNA_N
ClientSampleId :
CS-5BDL

Tgt Ion:202 Resp: 634589
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 20.8 14.0 21.0

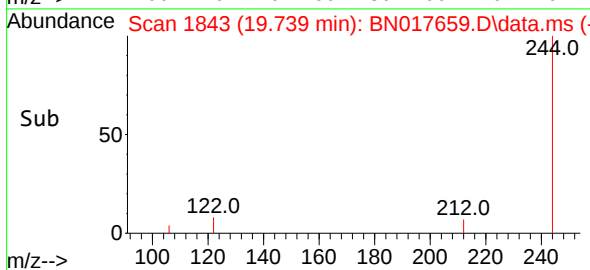
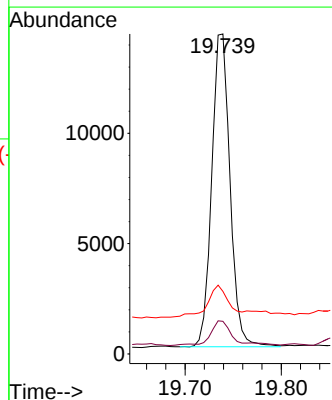
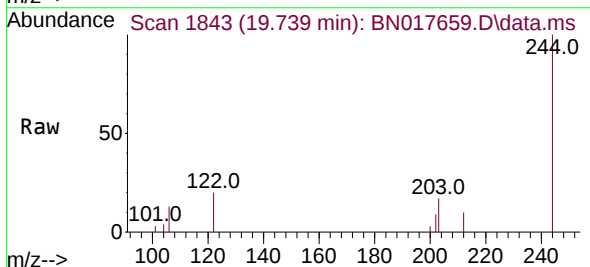
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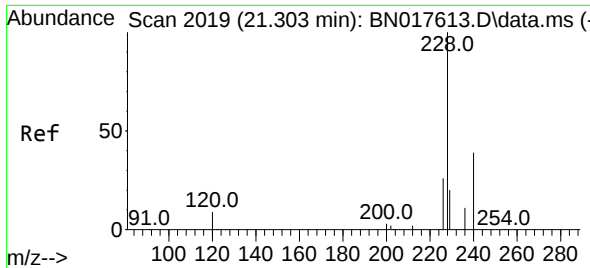
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#31
Terphenyl-d14
Concen: 0.064 ng
RT: 19.739 min Scan# 1843
Delta R.T. -0.015 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

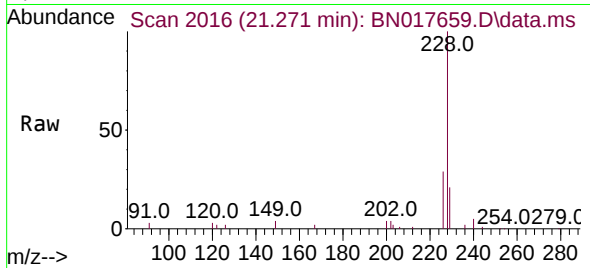
Tgt Ion:244 Resp: 18698
Ion Ratio Lower Upper
244 100
212 10.2 5.7 8.5#
122 19.5 8.6 13.0#





#32
Benzo(a)anthracene
Concen: 0.812 ng
RT: 21.271 min Scan# 2016
Delta R.T. -0.021 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

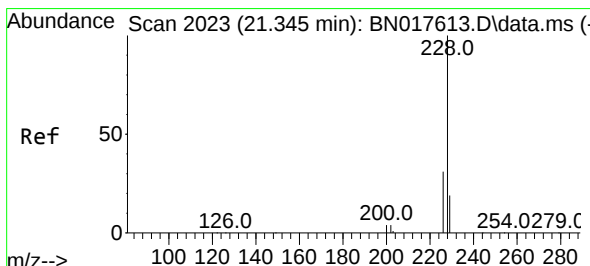
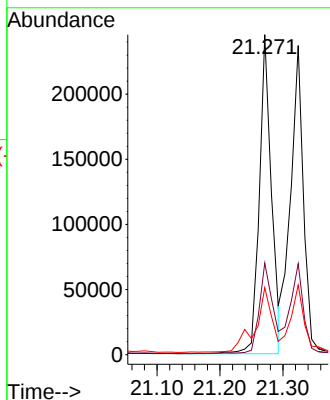
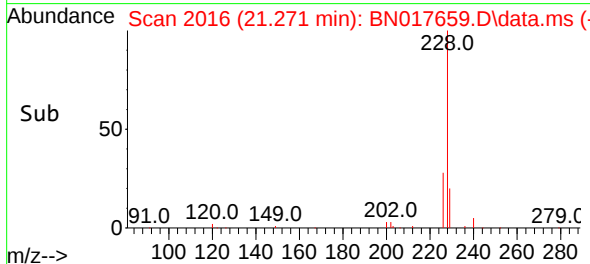
Instrument :
BNA_N
ClientSampleId :
CS-5BDL



Tgt Ion:228 Resp: 329290
Ion Ratio Lower Upper
228 100
226 28.6 21.3 31.9
229 21.0 15.7 23.5

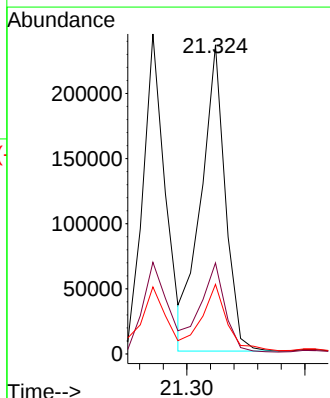
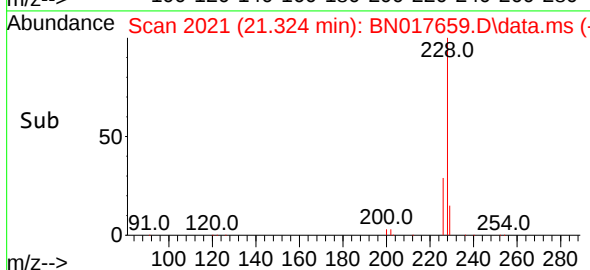
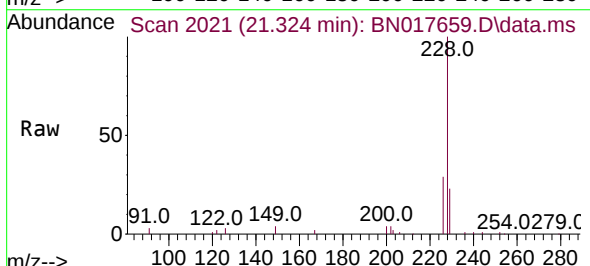
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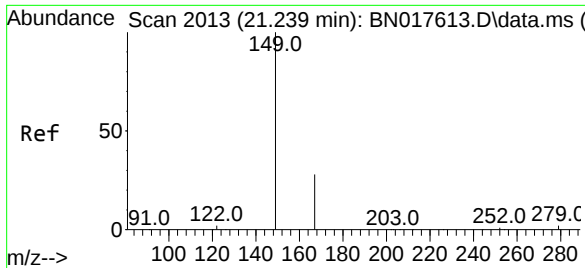
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#33
Chrysene
Concen: 0.756 ng
RT: 21.324 min Scan# 2021
Delta R.T. -0.011 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

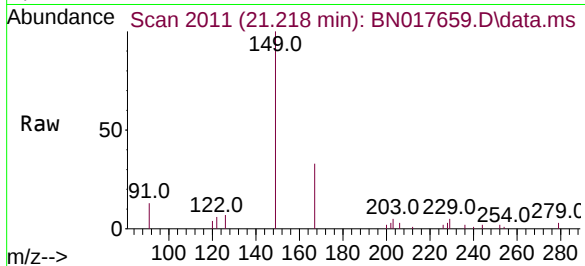
Tgt Ion:228 Resp: 333748
Ion Ratio Lower Upper
228 100
226 29.4 23.3 34.9
229 22.5 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.763 ng
RT: 21.218 min Scan# 2011
Delta R.T. -0.011 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

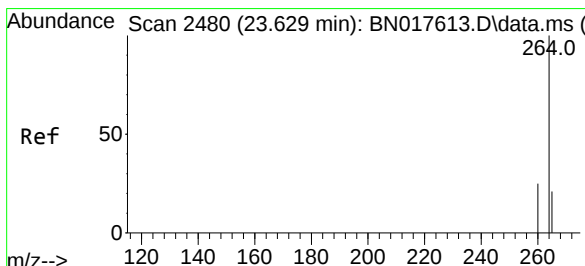
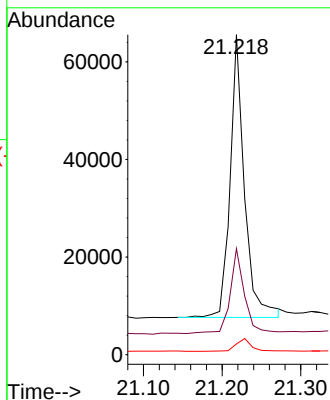
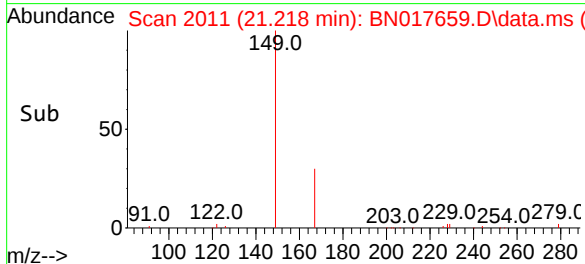
Instrument :
BNA_N
ClientSampleId :
CS-5BDL



Tgt Ion:149 Resp: 73404
Ion Ratio Lower Upper
149 100
167 29.9 21.8 32.6
279 4.8 3.4 5.0

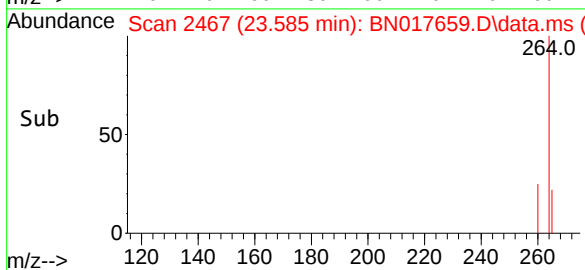
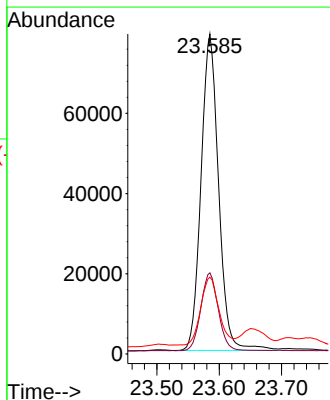
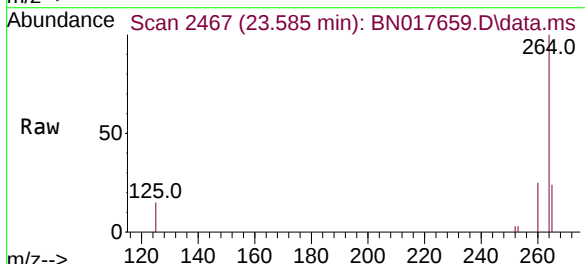
Manual Integrations
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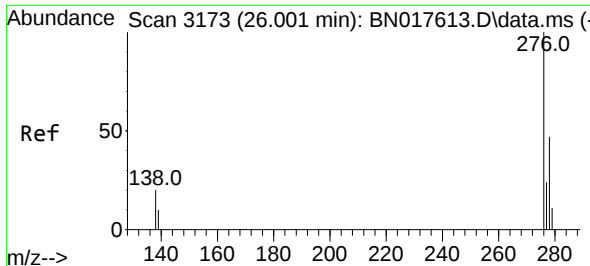
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.585 min Scan# 2467
Delta R.T. -0.024 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion:264 Resp: 154446
Ion Ratio Lower Upper
264 100
260 25.3 19.4 29.2
265 24.0 18.6 28.0





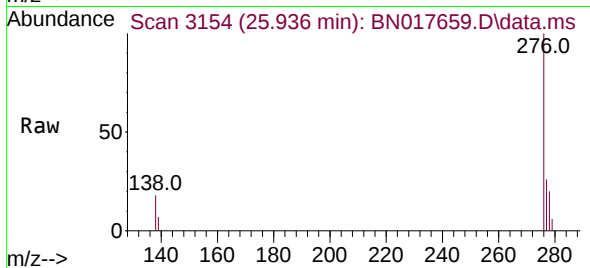
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.456 ng
RT: 25.936 min Scan# 3173
Delta R.T. -0.041 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Instrument :

BNA_N

ClientSampleId :

CS-5BDL

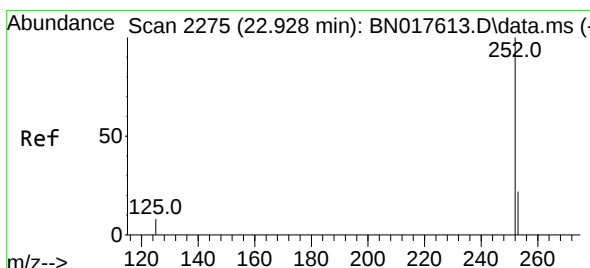
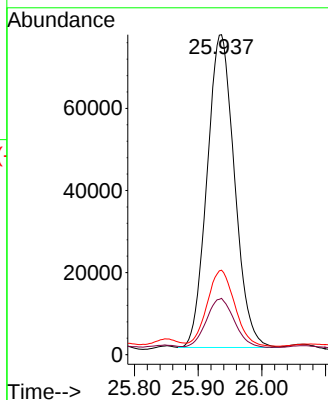
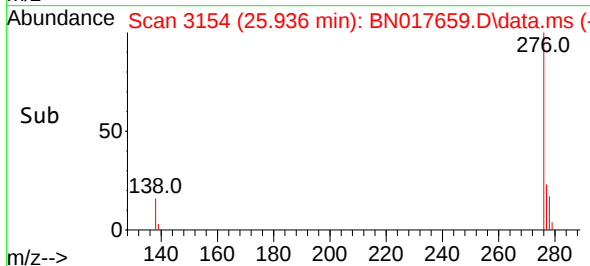


Tgt Ion:276 Resp: 228528
Ion Ratio Lower Upper
276 100
138 15.8 19.7 29.5
277 24.4 20.0 30.0

Manual Integrations

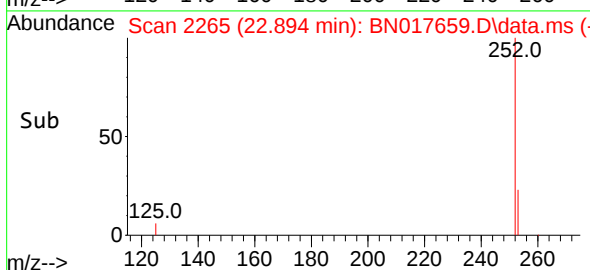
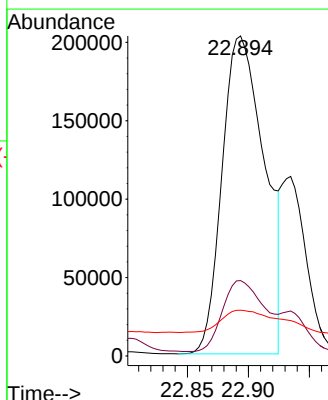
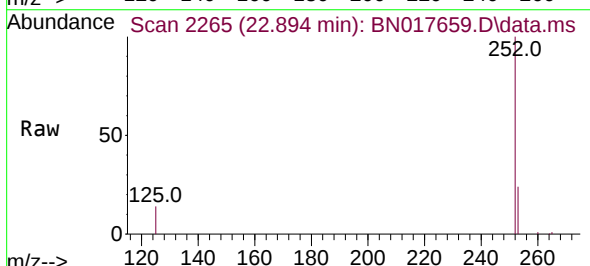
APPROVED

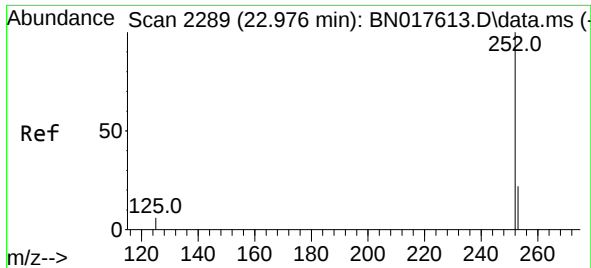
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#37
Benzo(b)fluoranthene
Concen: 0.959 ng
RT: 22.894 min Scan# 2265
Delta R.T. -0.020 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

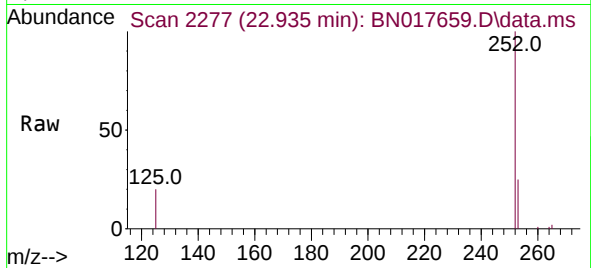
Tgt Ion:252 Resp: 491111
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 14.3 7.8 11.8#





#38
Benzo(k)fluoranthene
Concen: 0.310 ng m
RT: 22.935 min Scan# 21
Delta R.T. -0.024 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

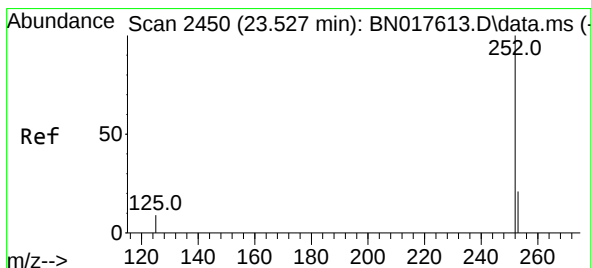
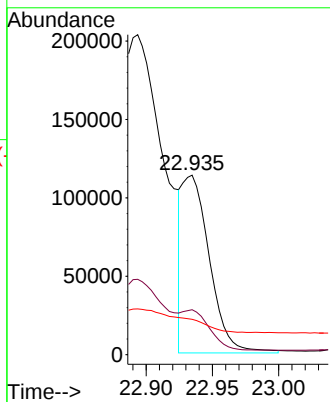
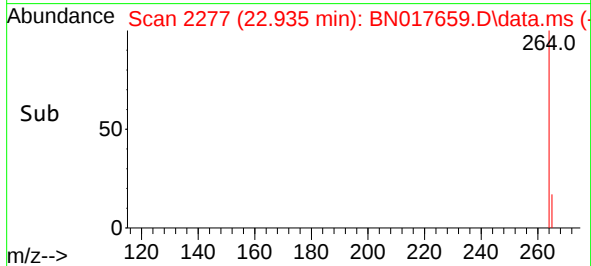
Instrument :
BNA_N
ClientSampleId :
CS-5BDL



Tgt Ion:252 Resp: 16294
Ion Ratio Lower Upper
252 100
253 25.1 17.7 26.5
125 19.7 8.2 12.2

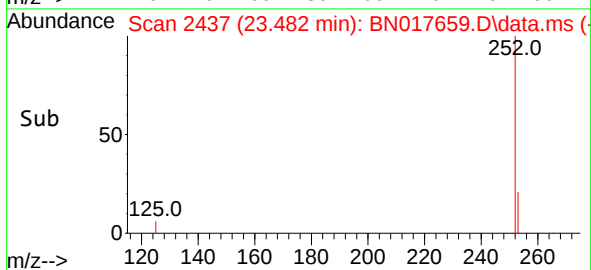
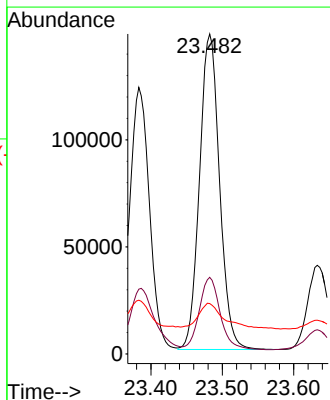
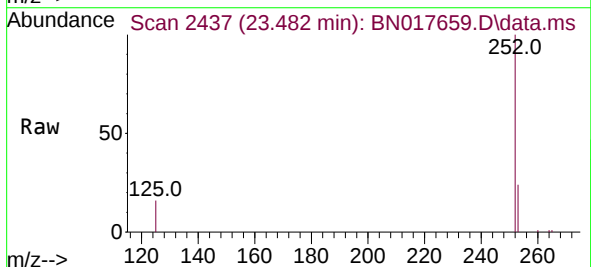
Manual Integrations
APPROVED

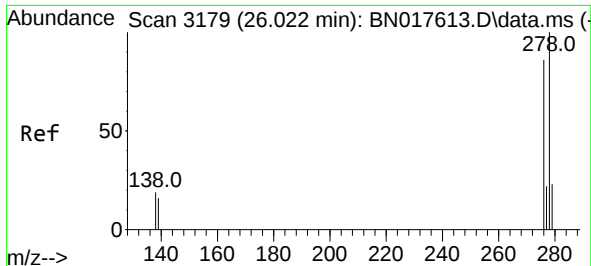
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#39
Benzo(a)pyrene
Concen: 0.626 ng
RT: 23.482 min Scan# 2437
Delta R.T. -0.024 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

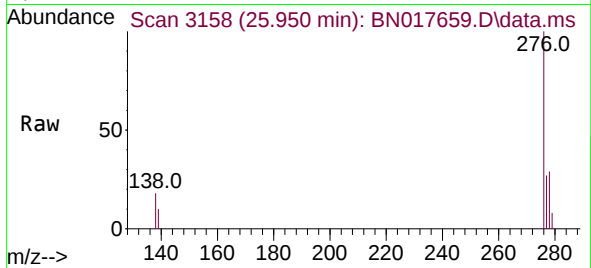
Tgt Ion:252 Resp: 286902
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 15.8 9.2 13.8





#40
Dibenzo(a,h)anthracene
Concen: 0.130 ng
RT: 25.950 min Scan# 3179
Delta R.T. -0.048 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

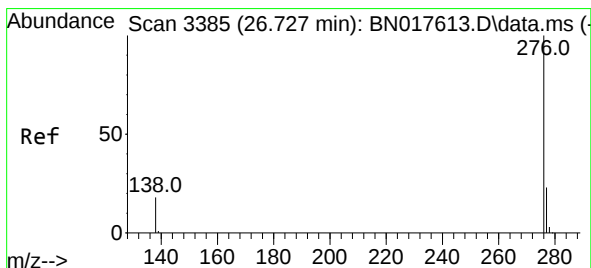
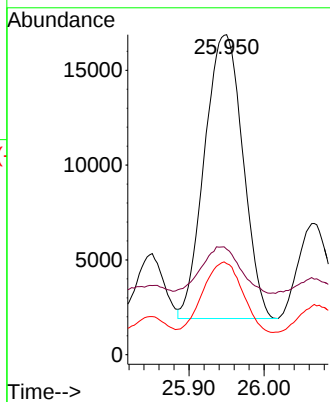
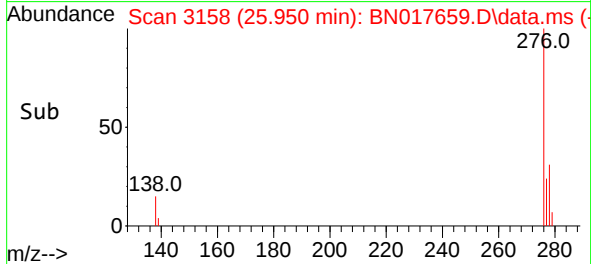
Instrument :
BNA_N
ClientSampleId :
CS-5BDL



Tgt Ion:278 Resp: 53088
Ion Ratio Lower Upper
278 100
139 33.0 13.0 19.6
279 28.5 19.2 28.8

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.516 ng
RT: 26.659 min Scan# 3365
Delta R.T. -0.038 min
Lab File: BN017659.D
Acq: 01 Dec 2021 20:15

Tgt Ion:276 Resp: 217633
Ion Ratio Lower Upper
276 100
277 26.2 19.0 28.4
138 17.9 17.1 25.7

