

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017627.D
 Acq On : 01 Dec 2021 00:12
 Operator : CG/JU
 Sample : M4862-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-2A

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 03:16:08 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	26729	0.40	ng	0.00
7) Naphthalene-d8	10.548	136	111601	0.40	ng	# 0.00
13) Acenaphthene-d10	14.384	164	68249	0.40	ng	0.00
19) Phenanthrene-d10	17.129	188	125888	0.40	ng	# 0.00
29) Chrysene-d12	21.324	240	83093	0.40	ng	# 0.01
35) Perylene-d12	23.664	264	91417	0.40	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	5025	0.08	ng	0.03
5) Phenol-d6	6.952	99	12210	0.19	ng	0.00
8) Nitrobenzene-d5	8.913	82	13004	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	48514	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	231	0.13	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	62127	0.23	ng	0.00
27) Fluoranthene-d10	19.164	212	98964m	0.25	ng	0.00
31) Terphenyl-d14	19.769	244	55625	0.31	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.598	128	62226	0.22	ng	99
12) 2-Methylnaphthalene	12.213	142	46685	0.25	ng	98
16) Acenaphthylene	14.105	152	15220	0.06	ng	# 65
18) Fluorene	15.437	166	10676	0.05	ng	# 67
25) Phenanthrene	17.165	178	312147m	0.90	ng	
26) Anthracene	17.250	178	47091	0.16	ng	# 93
28) Fluoranthene	19.193	202	310656	0.80	ng	97
30) Pyrene	19.556	202	265282	0.99	ng	97
32) Benzo(a)anthracene	21.314	228	120938	0.48	ng	# 16
33) Chrysene	21.367	228	184137	0.67	ng	# 42
36) Indeno(1,2,3-cd)pyrene	26.043	276	64197	0.22	ng	97
37) Benzo(b)fluoranthene	22.962	252	114337	0.38	ng	# 1
38) Benzo(k)fluoranthene	23.000	252	33829m	0.11	ng	
39) Benzo(a)pyrene	23.561	252	57483	0.21	ng	# 1
40) Dibenzo(a,h)anthracene	26.056	278	22900	0.09	ng	# 1
41) Benzo(g,h,i)perylene	26.772	276	64753	0.26	ng	# 47

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

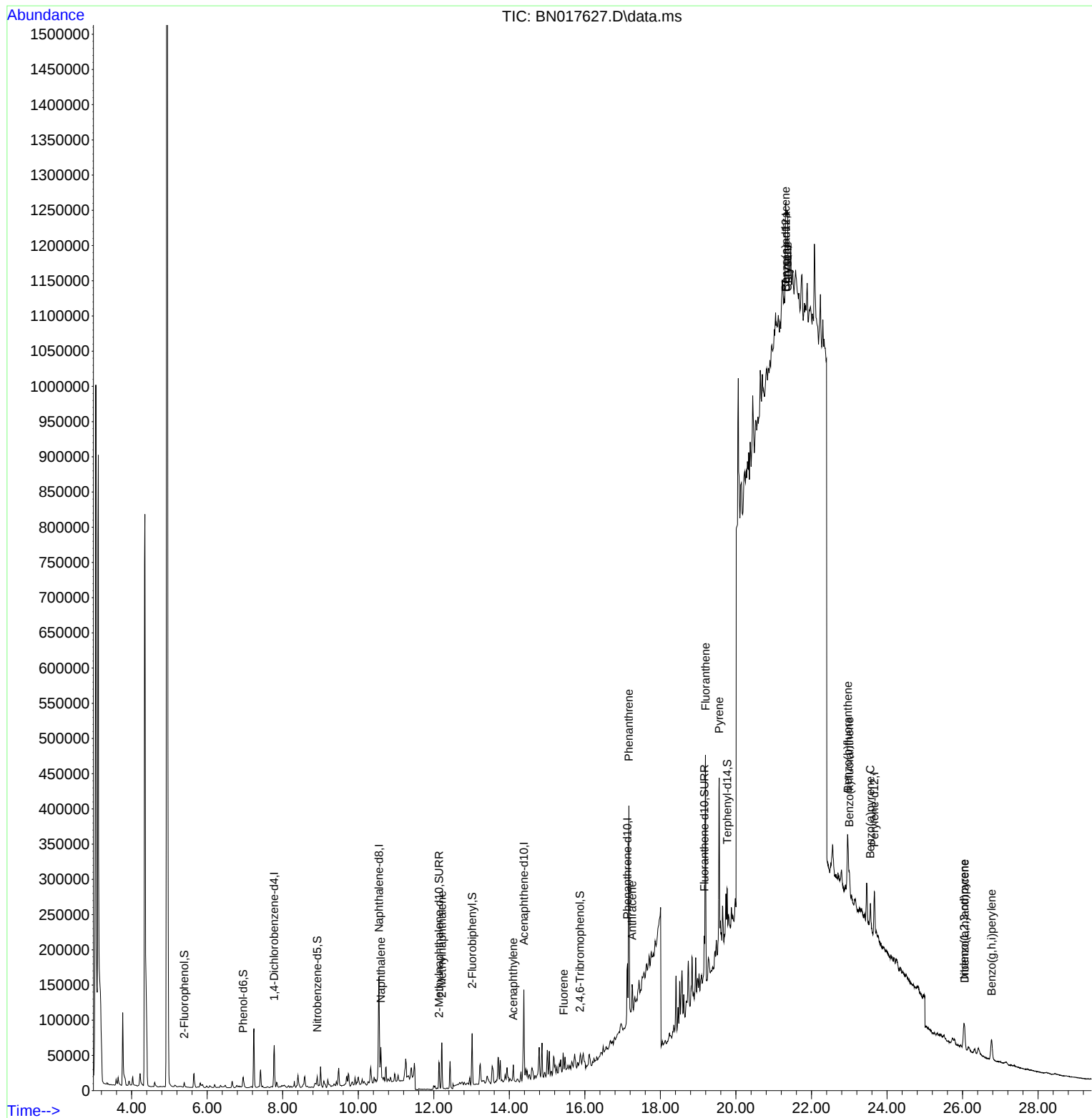
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
Data File : BN017627.D
Acq On : 01 Dec 2021 00:12
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Misc :
ALS Vial : 18 Sample Multiplier: 1

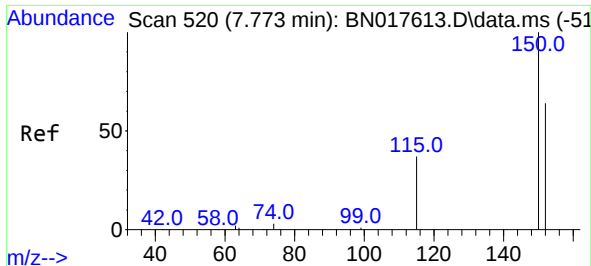
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Quant Time: Dec 01 03:16:08 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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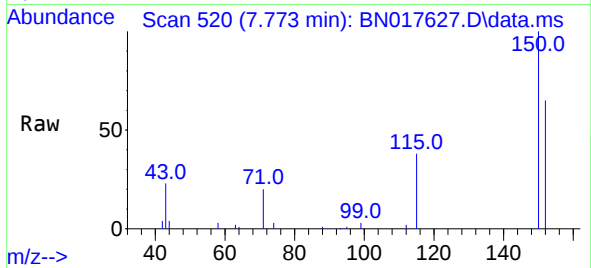
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

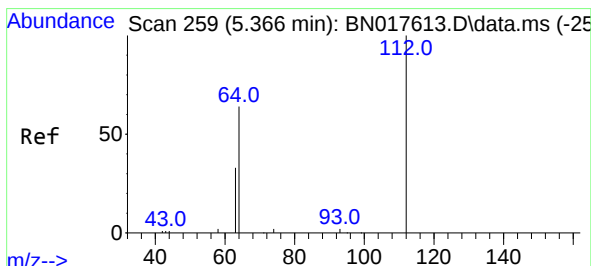
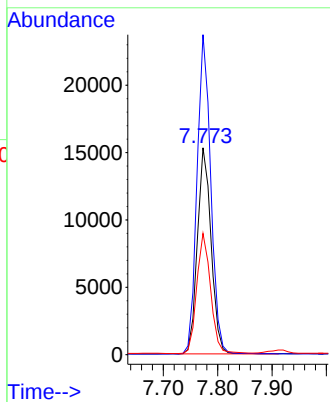
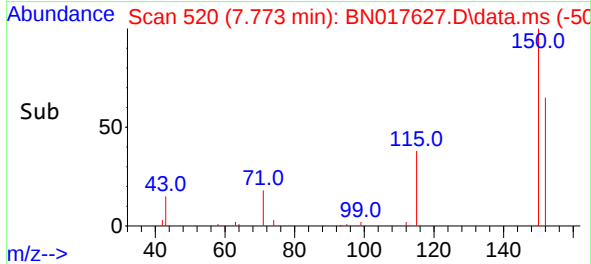
Instrument :
BNA_N
ClientSampleId :
CS-2A



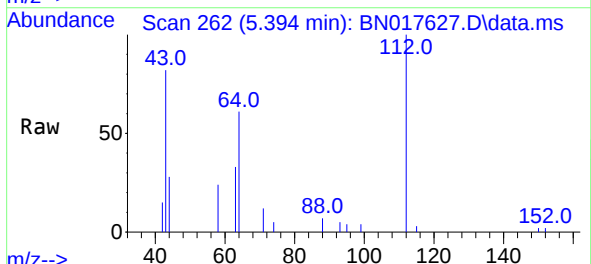
Tgt Ion:152 Resp: 26729
Ion Ratio Lower Upper
152 100
150 154.6 123.0 184.4
115 58.6 45.6 68.4

Manual Integrations
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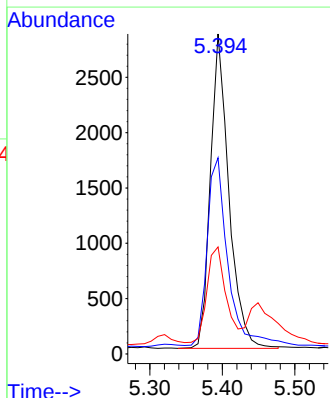
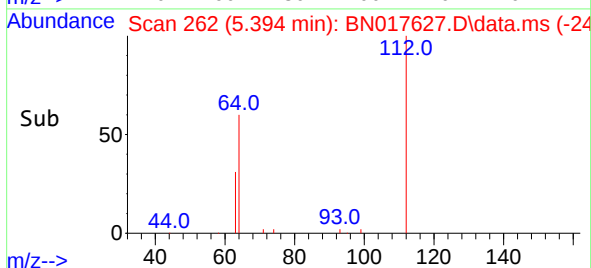
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Supervised By :mohammad ahmed 12/05/2021

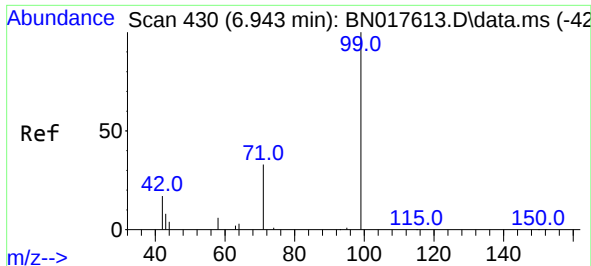


#4
2-Fluorophenol
Concen: 0.08 ng
RT: 5.394 min Scan# 262
Delta R.T. 0.028 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12



Tgt Ion:112 Resp: 5025
Ion Ratio Lower Upper
112 100
64 66.0 47.6 71.4
63 31.0 24.6 37.0





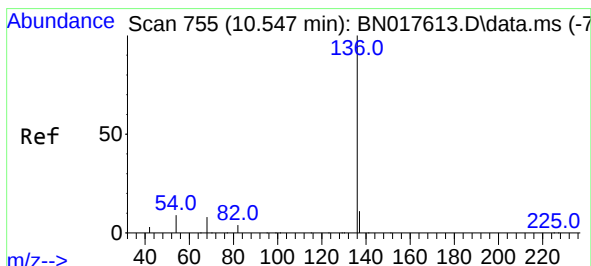
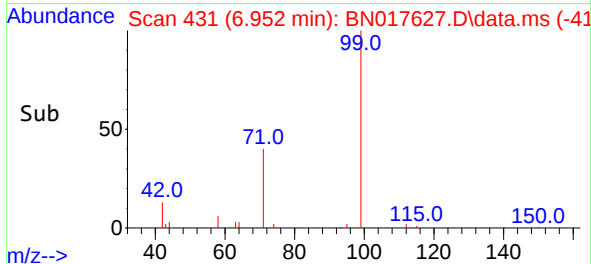
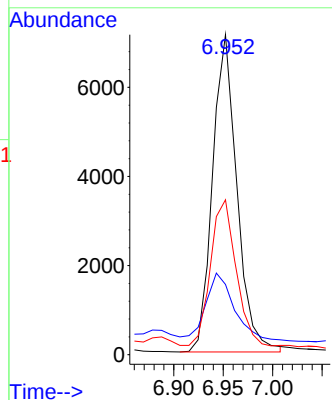
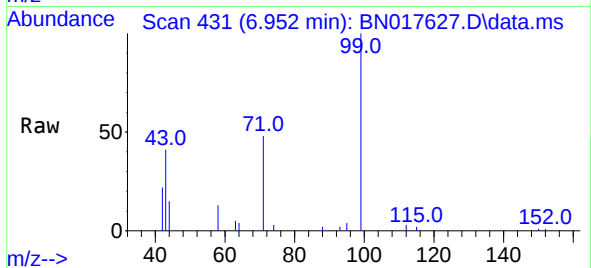
#5
Phenol-d6
Concen: 0.19 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

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ClientSampleId :
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Tgt Ion: 99 Resp: 12210
Ion Ratio Lower Upper
99 100
42 24.0 17.0 25.6
71 48.1 24.8 37.2

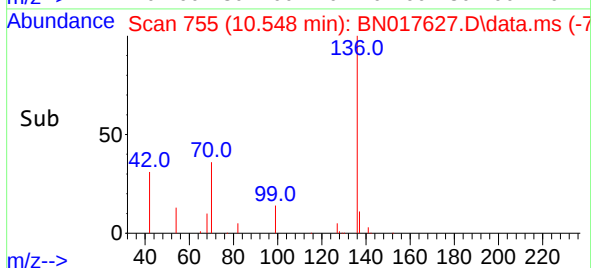
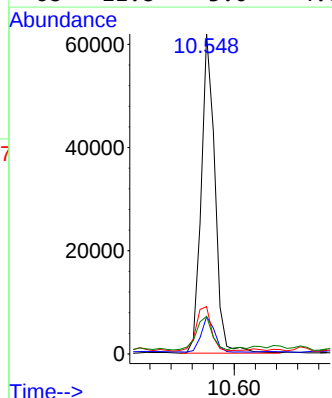
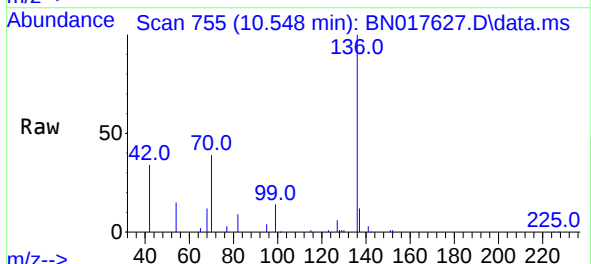
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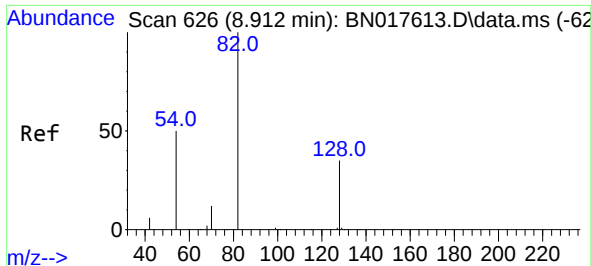
Reviewed By :Jagrut Upadhyay 12/01/2021
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#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.548 min Scan# 755
Delta R.T. 0.001 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

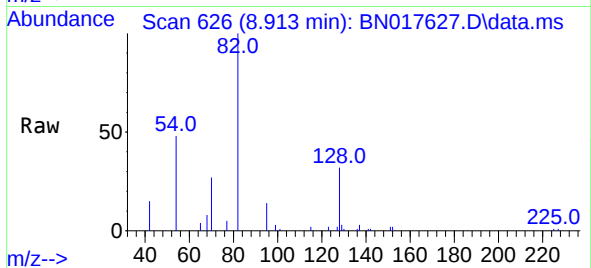
Tgt Ion:136 Resp: 111601
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 14.8 4.0 6.0#
68 11.8 3.0 4.6#





#8
Nitrobenzene-d5
Concen: 0.27 ng
RT: 8.913 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

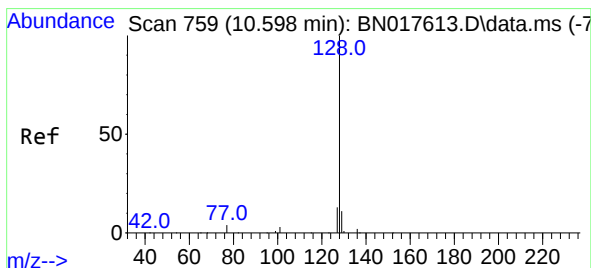
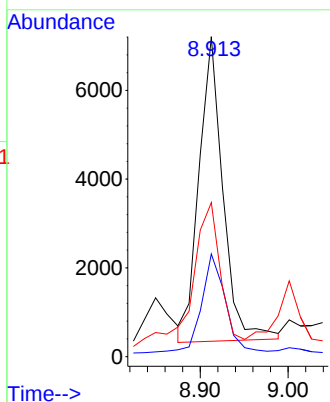
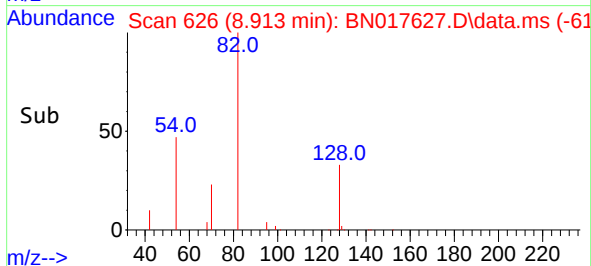
Instrument :
BNA_N
ClientSampleId :
CS-2A



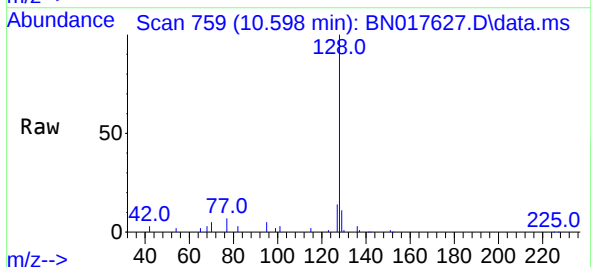
Tgt Ion: 82 Resp: 13004
Ion Ratio Lower Upper
82 100
128 32.1 27.7 41.5
54 48.2 49.2 73.8

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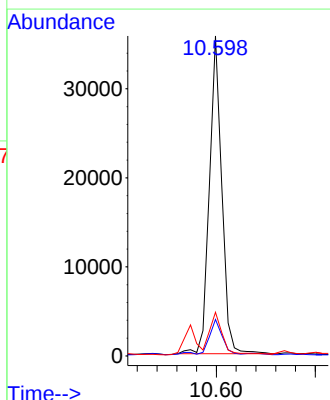
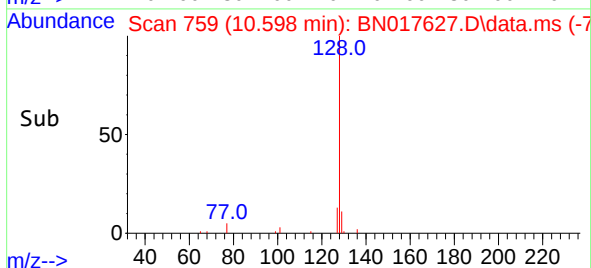
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

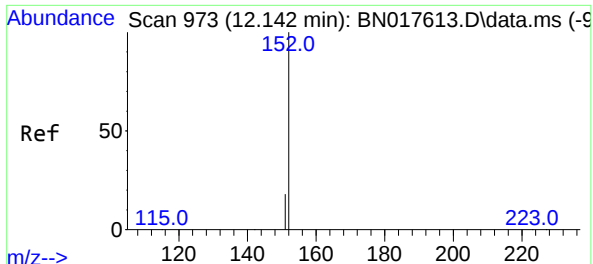


#9
Naphthalene
Concen: 0.22 ng
RT: 10.598 min Scan# 759
Delta R.T. 0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12



Tgt Ion:128 Resp: 62226
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.6 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.25 ng

RT: 12.138 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017627.D

Acq: 01 Dec 2021 00:12

Instrument :

BNA_N

ClientSampleId :

CS-2A

Tgt Ion:152 Resp: 48514

Ion Ratio Lower Upper

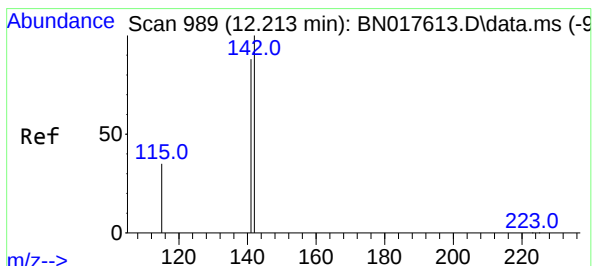
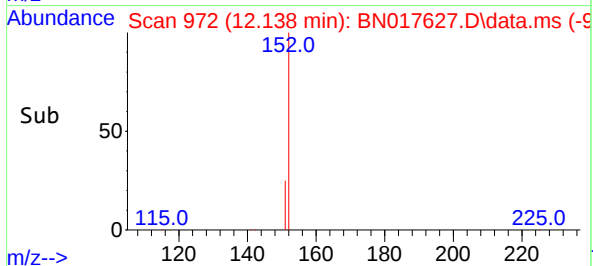
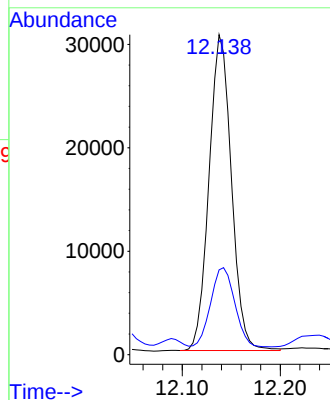
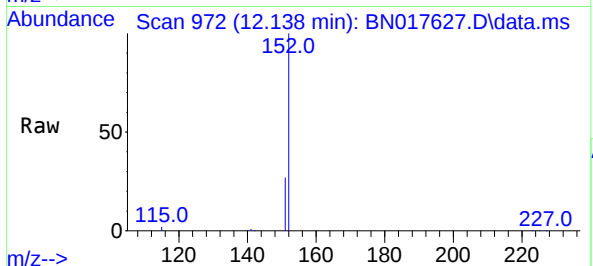
152 100

151 28.4 16.2 24.4

Manual Integrations

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#12

2-Methylnaphthalene

Concen: 0.25 ng

RT: 12.213 min Scan# 989

Delta R.T. 0.000 min

Lab File: BN017627.D

Acq: 01 Dec 2021 00:12

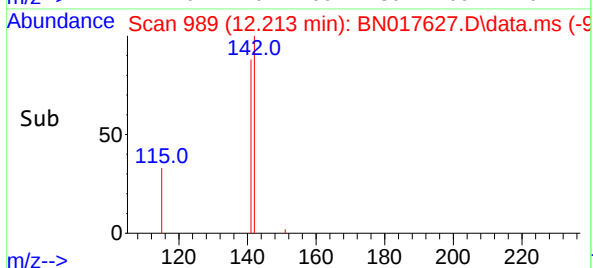
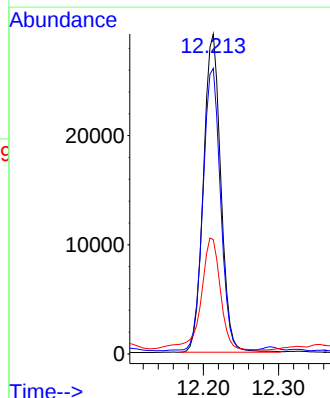
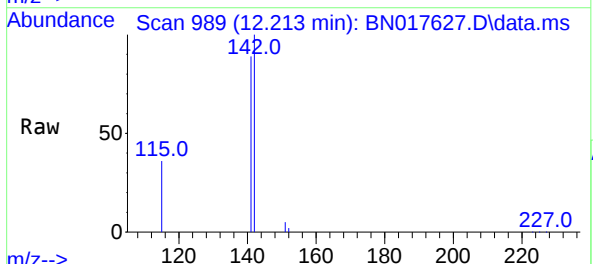
Tgt Ion:142 Resp: 46685

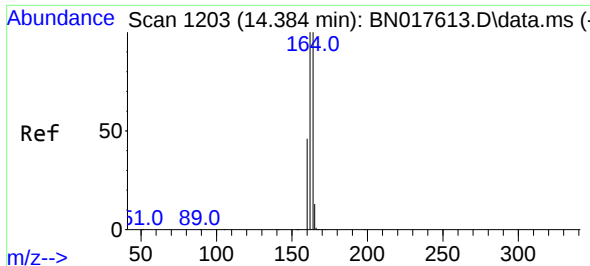
Ion Ratio Lower Upper

142 100

141 89.2 70.6 106.0

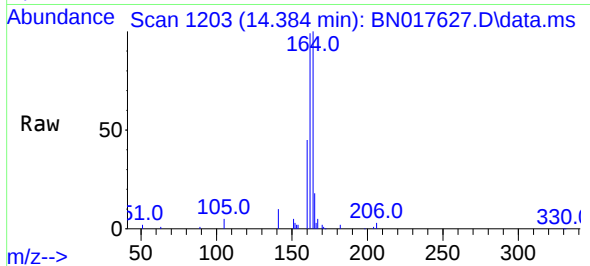
115 35.7 25.8 38.6





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.384 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

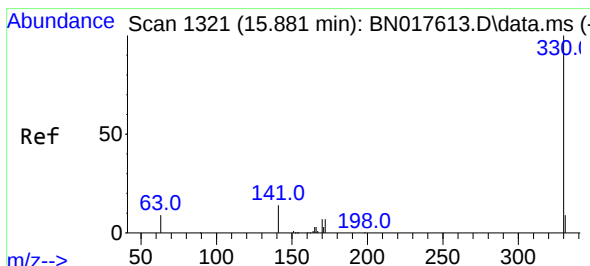
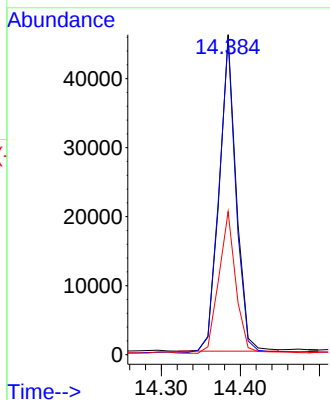
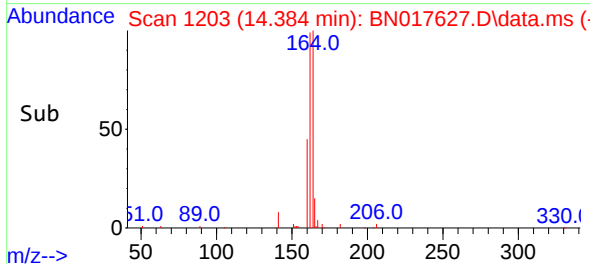
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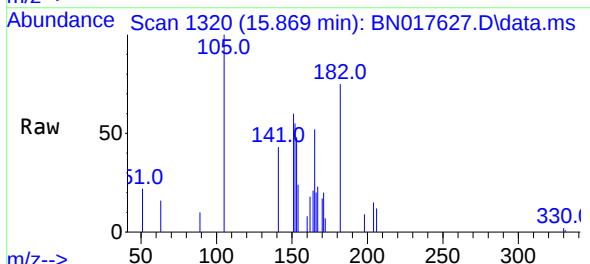
Tgt Ion:164 Resp: 68249
Ion Ratio Lower Upper
164 100
162 98.9 81.4 122.2
160 44.7 36.8 55.2

Manual Integrations
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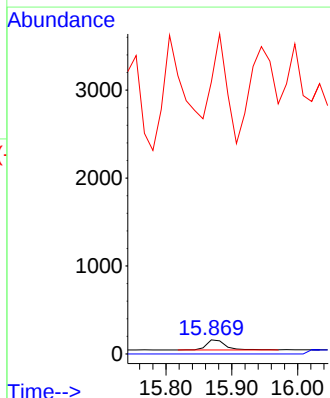
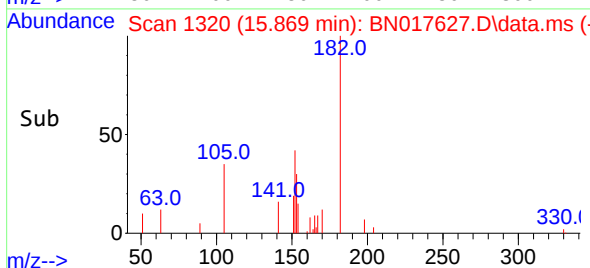
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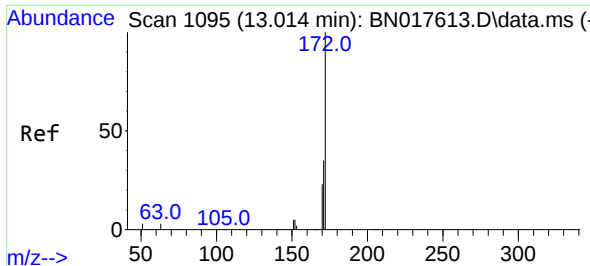


#14
2,4,6-Tribromophenol
Concen: 0.13 ng
RT: 15.869 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12



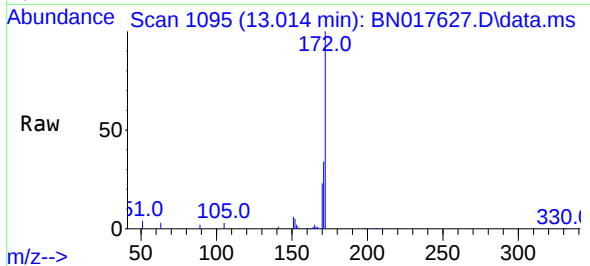
Tgt Ion:330 Resp: 231
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 823.4 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.23 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

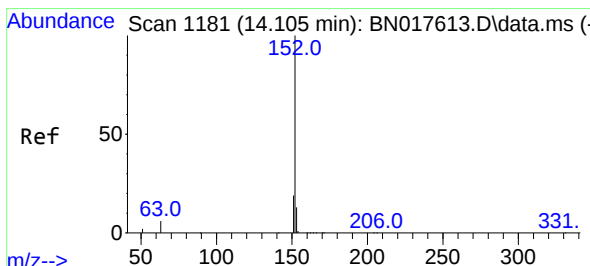
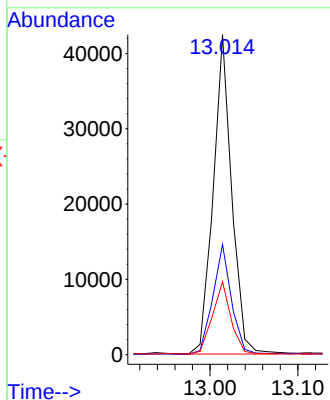
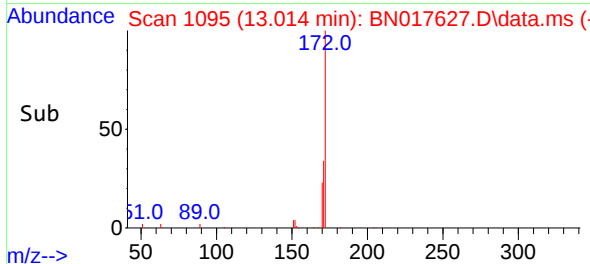
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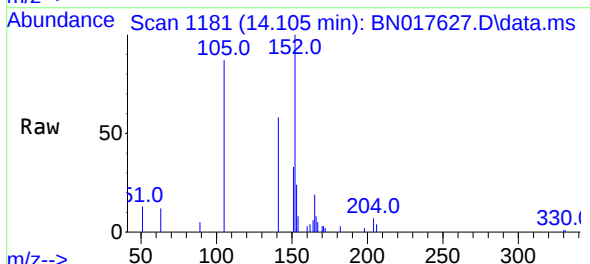
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Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 22.8 19.4 29.2

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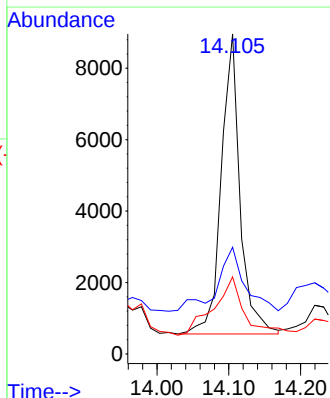
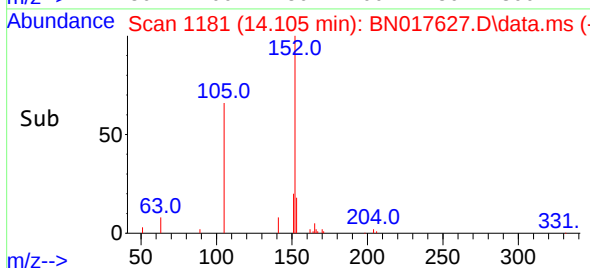
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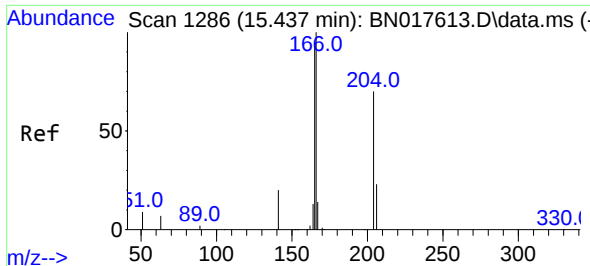


#16
Acenaphthylene
Concen: 0.06 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12



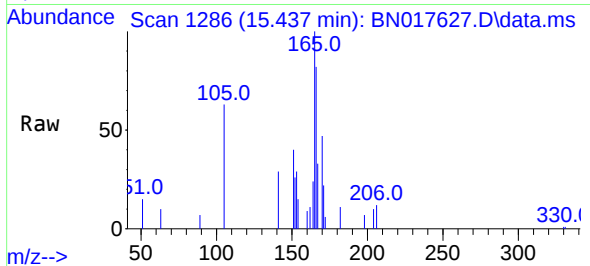
Tgt Ion:152 Resp: 15220
Ion Ratio Lower Upper
152 100
151 31.2 15.5 23.3#
153 32.8 10.4 15.6#





#18
Fluorene
Concen: 0.05 ng
RT: 15.437 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

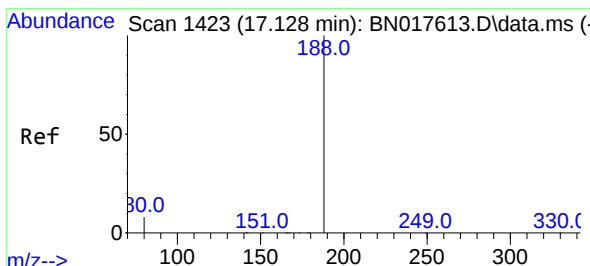
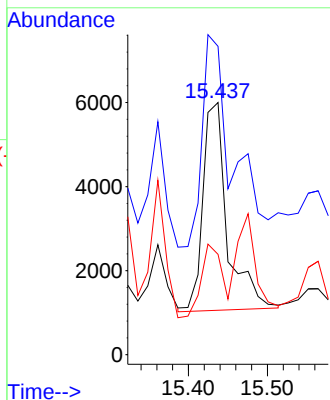
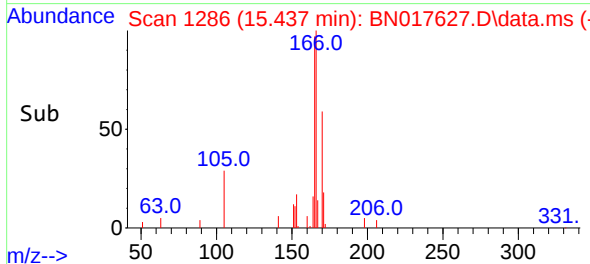
Instrument :
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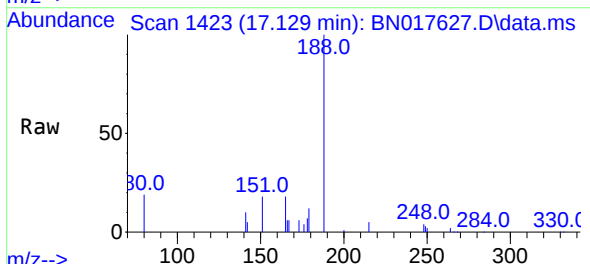
Tgt Ion:166 Resp: 10670
Ion Ratio Lower Upper
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165 128.5 77.9 116.9
167 30.4 10.9 16.3

Manual Integrations
APPROVED

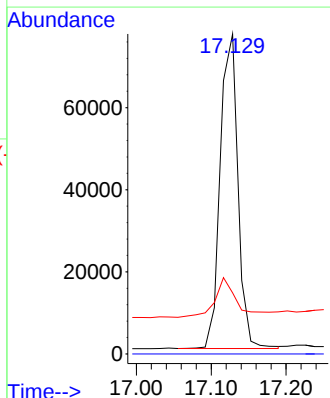
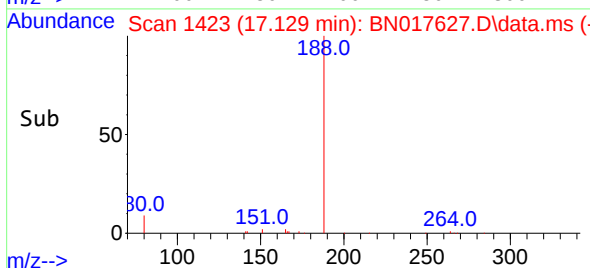
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

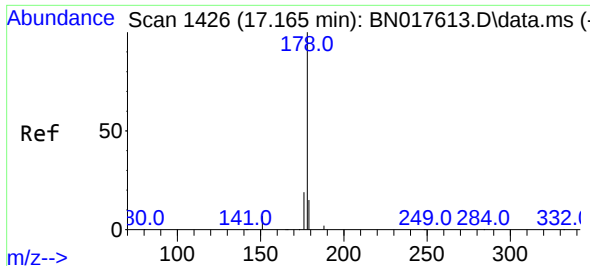


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.129 min Scan# 1423
Delta R.T. 0.001 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12



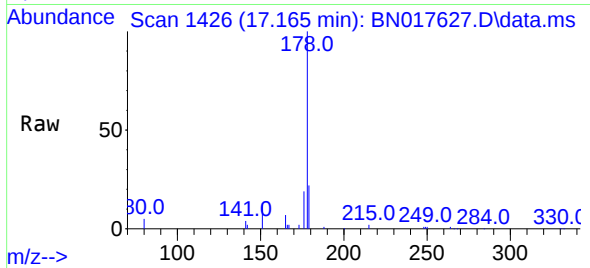
Tgt Ion:188 Resp: 125888
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 19.1 6.1 9.1





#25
Phenanthrene
Concen: 0.90 ng m
RT: 17.165 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

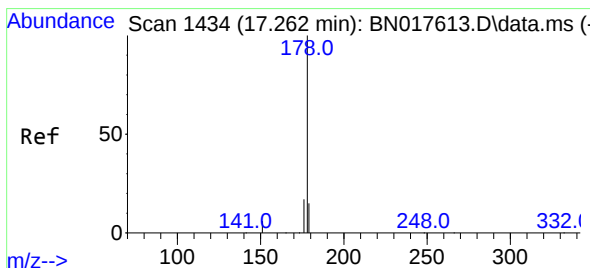
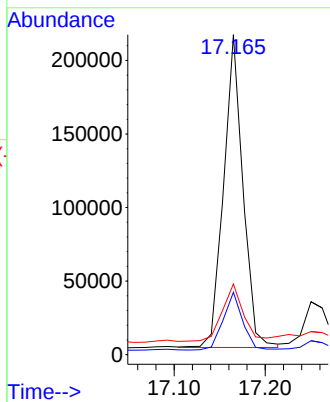
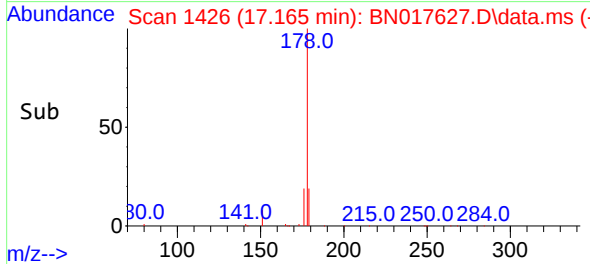
Instrument :
BNA_N
ClientSampleId :
CS-2A



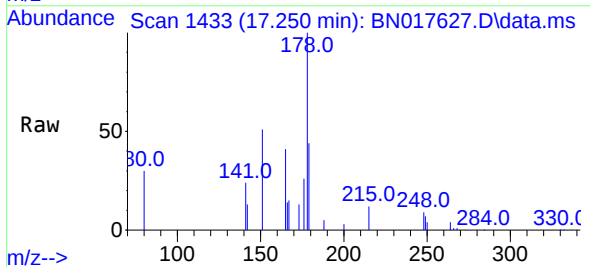
Tgt Ion:178 Resp: 31214
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 20.0 12.3 18.5

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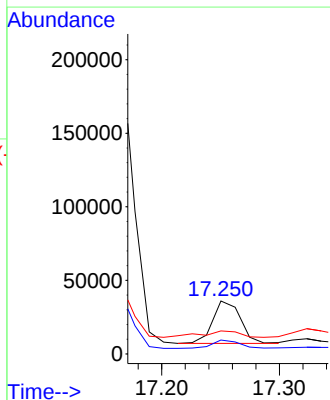
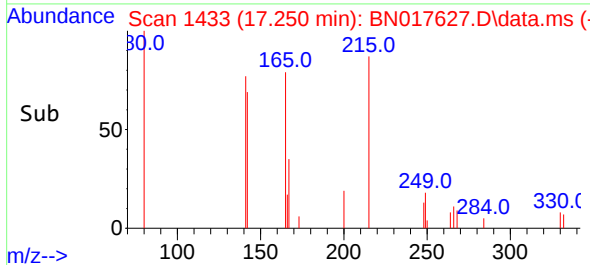
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

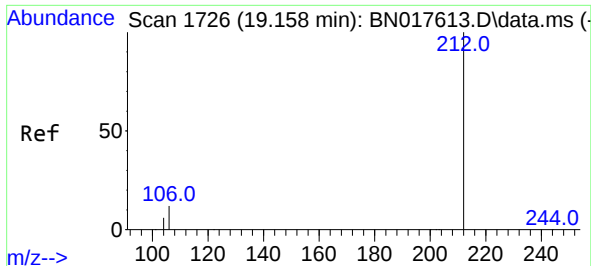


#26
Anthracene
Concen: 0.16 ng
RT: 17.250 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12



Tgt Ion:178 Resp: 47091
Ion Ratio Lower Upper
178 100
176 19.3 14.6 22.0
179 21.0 12.2 18.4





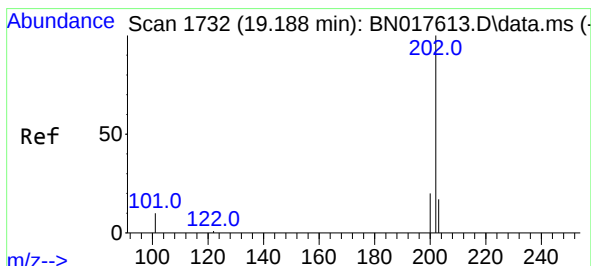
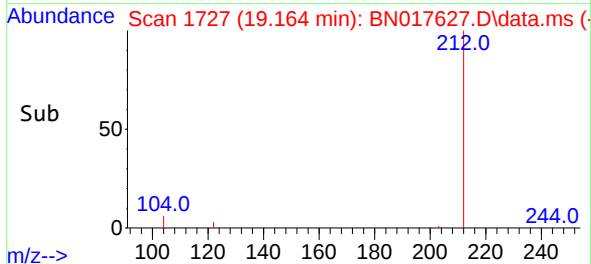
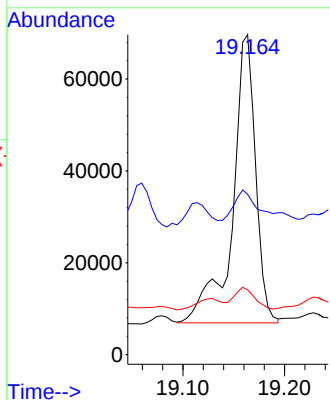
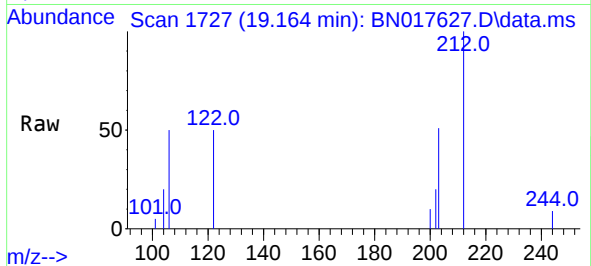
#27
Fluoranthene-d10
Concen: 0.25 ng m
RT: 19.164 min Scan# 1726
Delta R.T. 0.006 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

Instrument :
BNA_N
ClientSampleId :
CS-2A

Tgt Ion:212 Resp: 98964
Ion Ratio Lower Upper
212 100
106 12.3 10.5 15.7
104 6.3 5.8 8.6

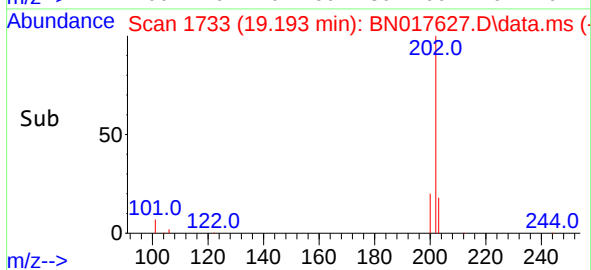
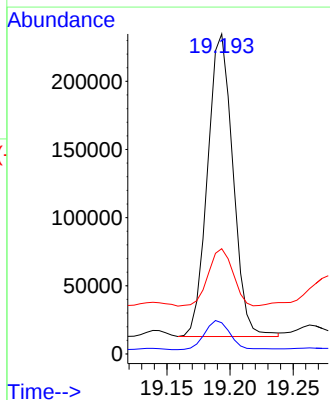
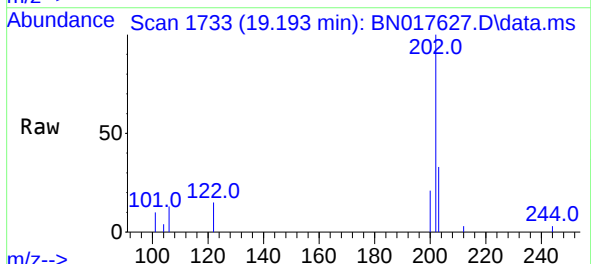
Manual Integrations
APPROVED

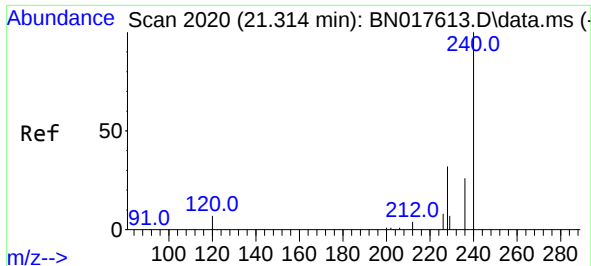
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#28
Fluoranthene
Concen: 0.80 ng
RT: 19.193 min Scan# 1733
Delta R.T. 0.005 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

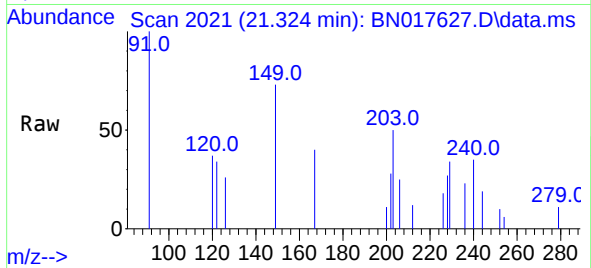
Tgt Ion:202 Resp: 310656
Ion Ratio Lower Upper
202 100
101 9.8 8.9 13.3
203 18.3 13.8 20.6





#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.324 min Scan# 20
Delta R.T. 0.010 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

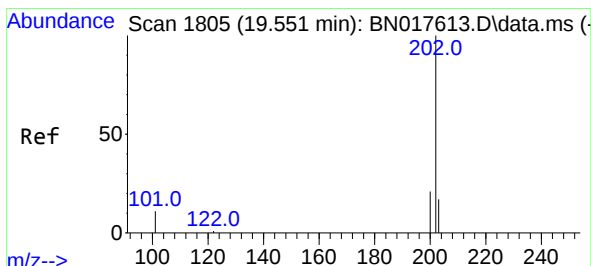
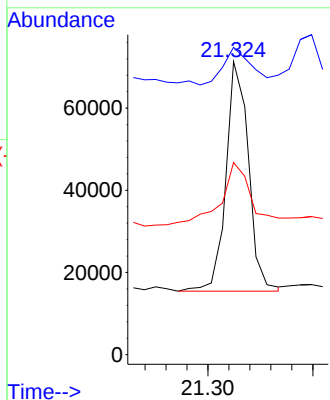
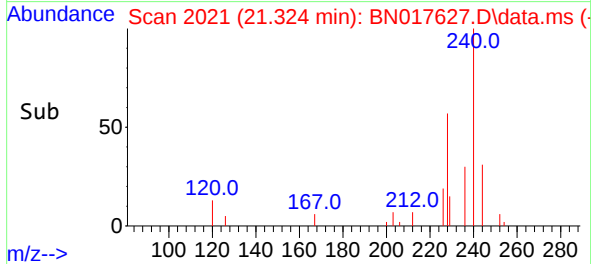
Instrument :
BNA_N
ClientSampleId :
CS-2A



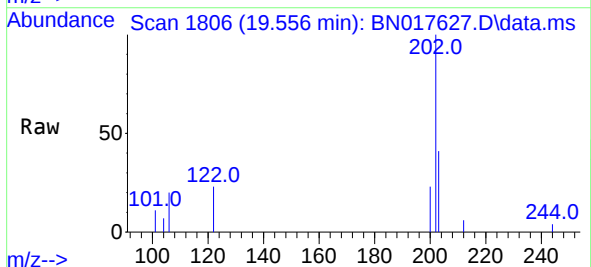
Tgt Ion:240 Resp: 8309
Ion Ratio Lower Upper
240 100
120 104.9 4.2 6.2
236 65.6 20.0 30.0

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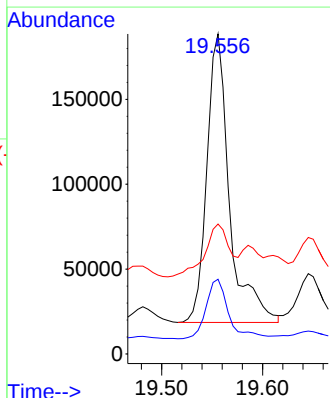
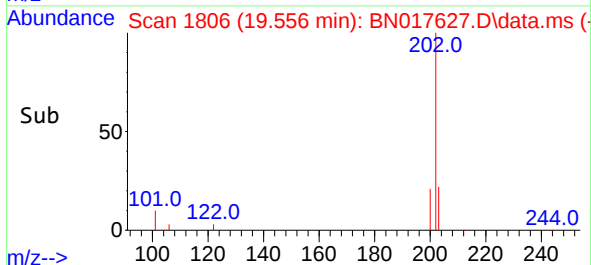
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

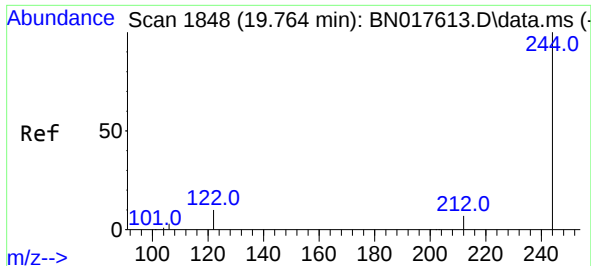


#30
Pyrene
Concen: 0.99 ng
RT: 19.556 min Scan# 1806
Delta R.T. 0.005 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12



Tgt Ion:202 Resp: 265282
Ion Ratio Lower Upper
202 100
200 20.4 16.5 24.7
203 20.2 14.0 21.0





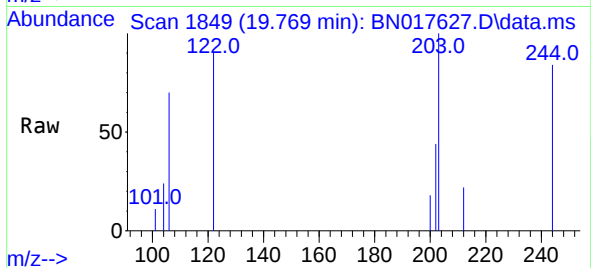
#31
 Terphenyl-d14
 Concen: 0.31 ng
 RT: 19.769 min Scan# 11
 Delta R.T. 0.005 min
 Lab File: BN017627.D
 Acq: 01 Dec 2021 00:12

Instrument :

BNA_N

ClientSampleId :

CS-2A

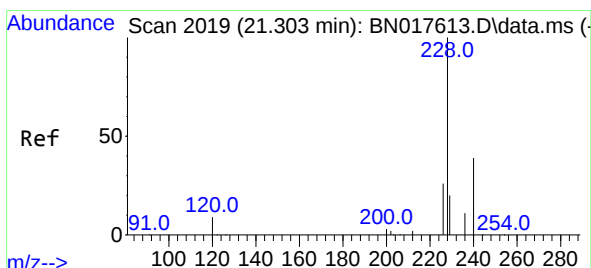
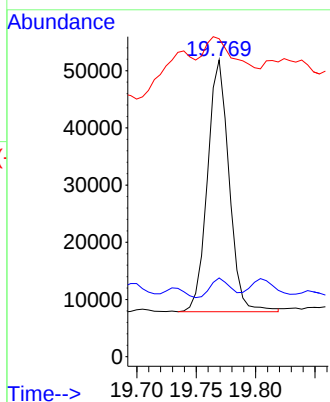
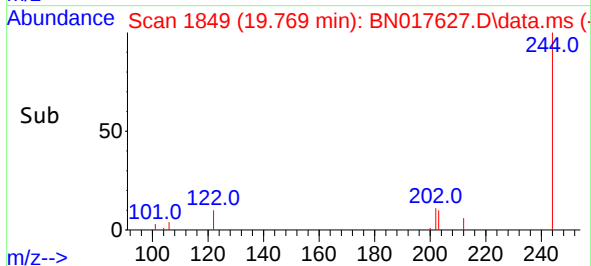


Tgt Ion:244 Resp: 5562
 Ion Ratio Lower Upper
 244 100
 212 26.5 5.7 8.5
 122 107.2 8.6 13.0

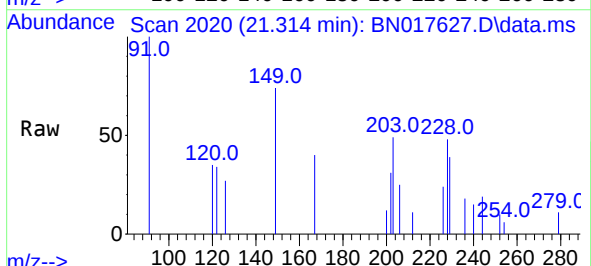
Manual Integrations

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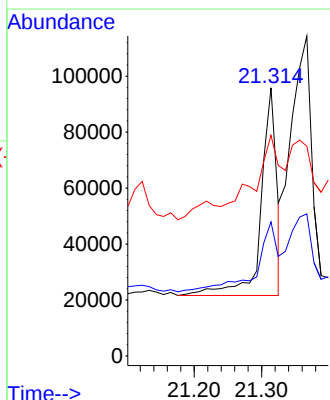
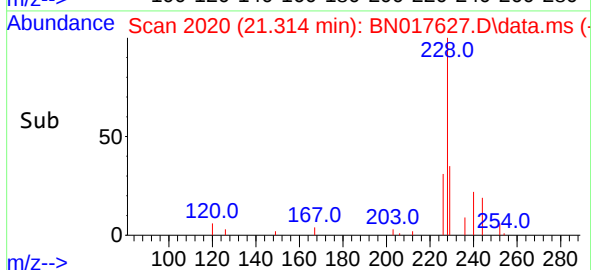
Reviewed By :Jagrut Upadhyay 12/01/2021
 Supervised By :mohammad ahmed 12/05/2021

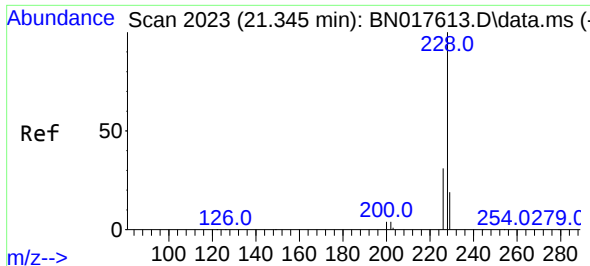


#32
 Benzo(a)anthracene
 Concen: 0.48 ng
 RT: 21.314 min Scan# 2020
 Delta R.T. 0.011 min
 Lab File: BN017627.D
 Acq: 01 Dec 2021 00:12



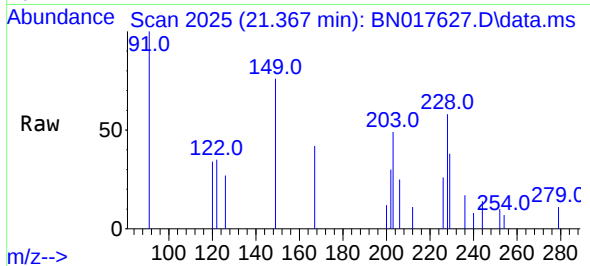
Tgt Ion:228 Resp: 120938
 Ion Ratio Lower Upper
 228 100
 226 50.0 21.3 31.9#
 229 82.3 15.7 23.5#





#33
Chrysene
Concen: 0.67 ng
RT: 21.367 min Scan# 2023
Delta R.T. 0.022 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

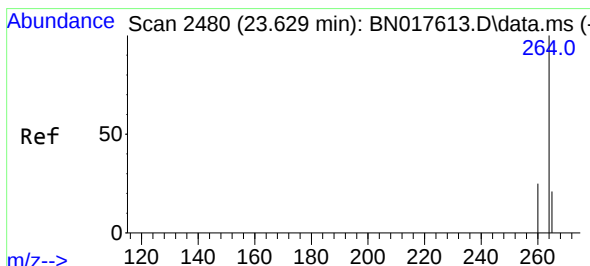
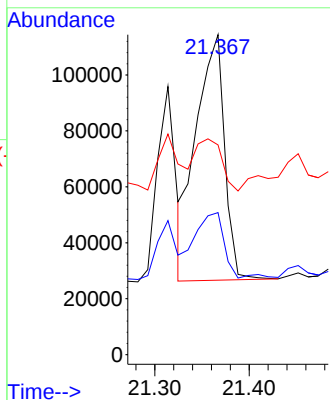
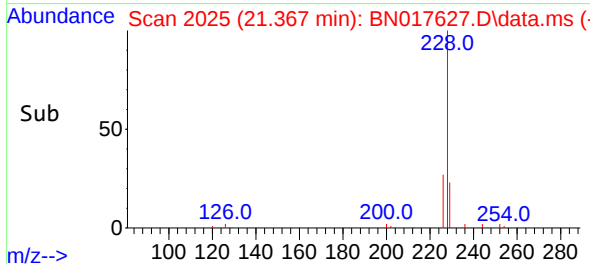
Instrument :
BNA_N
ClientSampleId :
CS-2A



Tgt Ion:228 Resp: 18413
Ion Ratio Lower Upper
228 100
226 44.4 23.3 34.9#
229 65.5 15.6 23.4#

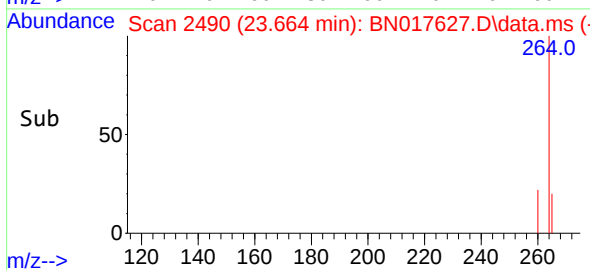
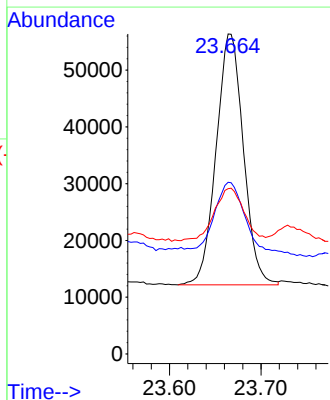
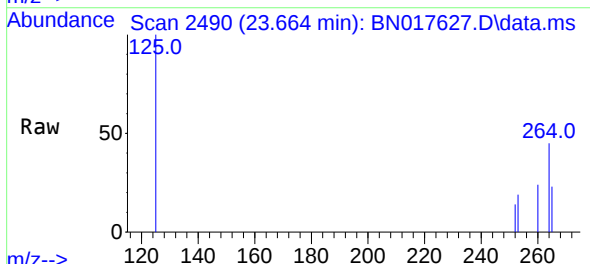
Manual Integrations
APPROVED

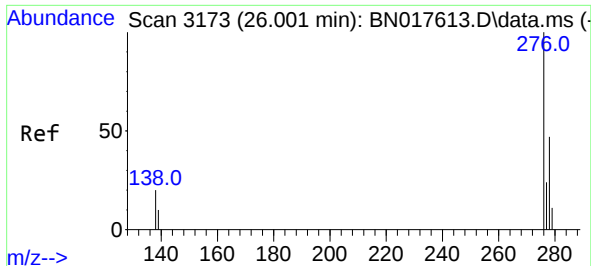
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.664 min Scan# 2490
Delta R.T. 0.034 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

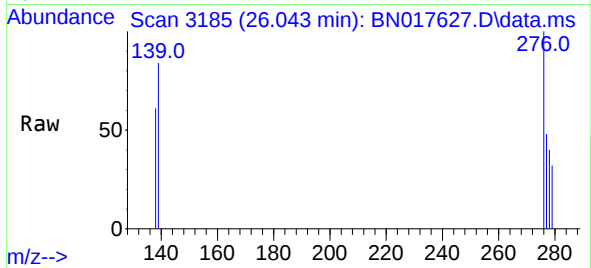
Tgt Ion:264 Resp: 91417
Ion Ratio Lower Upper
264 100
260 53.6 19.4 29.2#
265 51.7 18.6 28.0#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.22 ng
RT: 26.043 min Scan# 3173
Delta R.T. 0.041 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

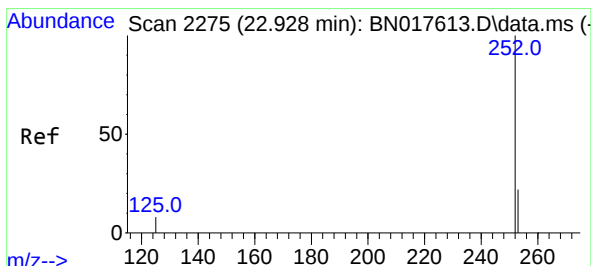
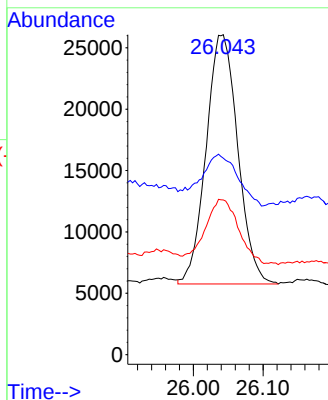
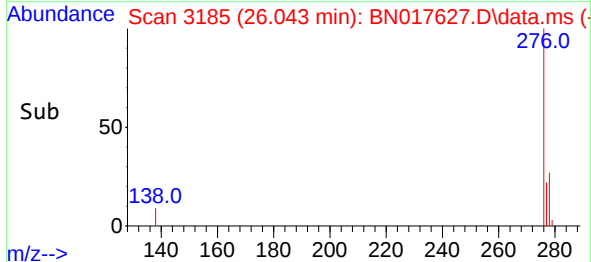
Instrument :
BNA_N
ClientSampleId :
CS-2A



Tgt Ion:276 Resp: 6419
Ion Ratio Lower Upper
276 100
138 23.2 19.7 29.5
277 27.0 20.0 30.0

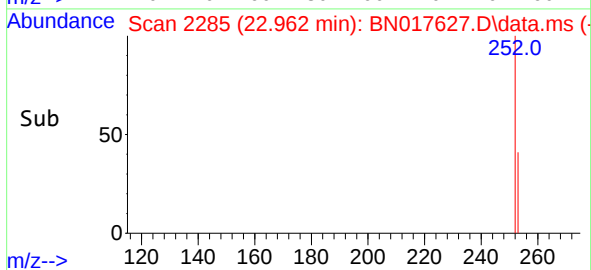
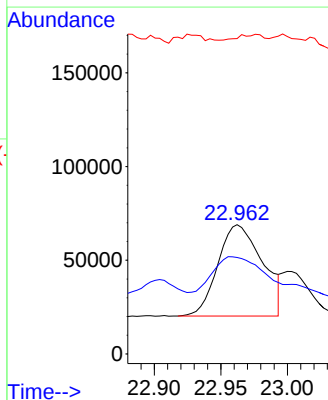
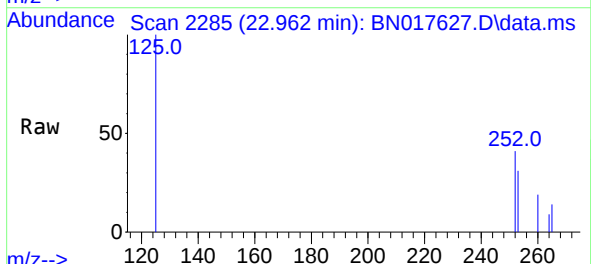
Manual Integrations
APPROVED

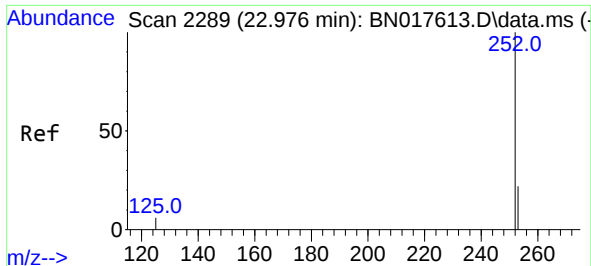
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#37
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 22.962 min Scan# 2285
Delta R.T. 0.034 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

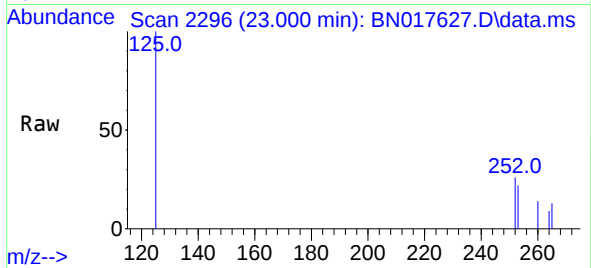
Tgt Ion:252 Resp: 114337
Ion Ratio Lower Upper
252 100
253 74.6 17.7 26.5#
125 243.8 7.8 11.8#





#38
Benzo(k)fluoranthene
Concen: 0.11 ng m
RT: 23.000 min Scan# 21
Delta R.T. 0.024 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

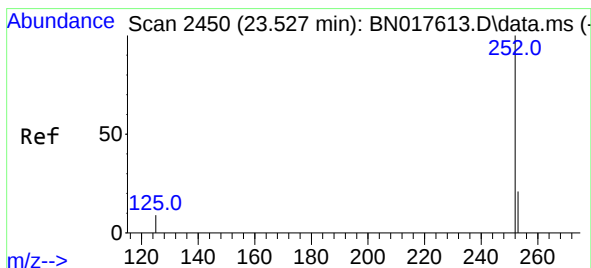
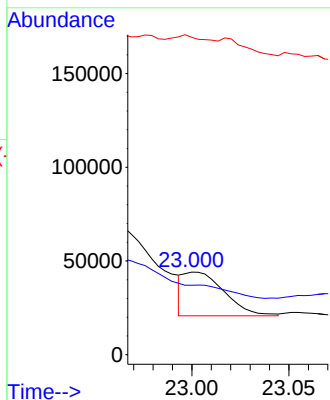
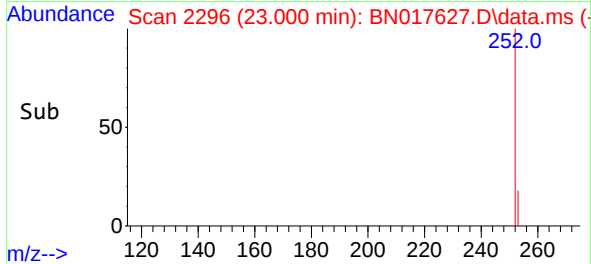
Instrument :
BNA_N
ClientSampleId :
CS-2A



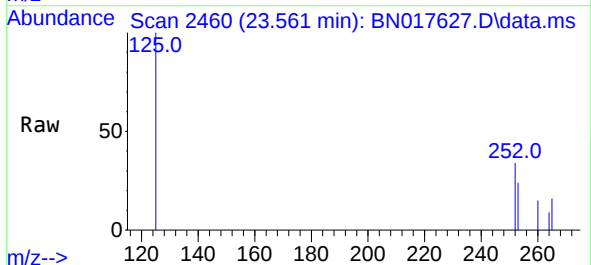
Tgt Ion:252 Resp: 33829
Ion Ratio Lower Upper
252 100
253 84.1 17.7 26.5#
125 384.8 8.2 12.2#

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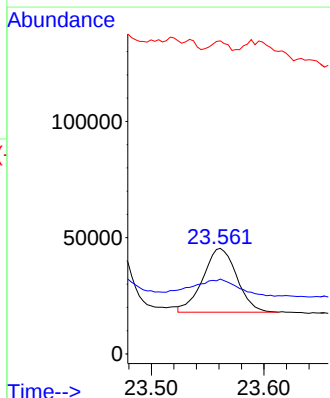
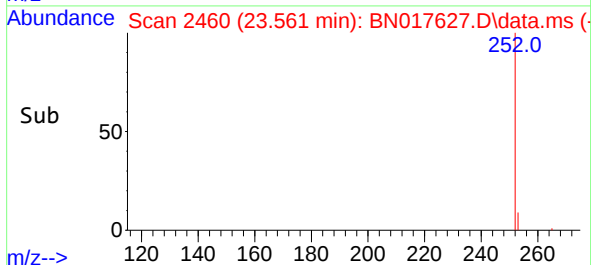
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

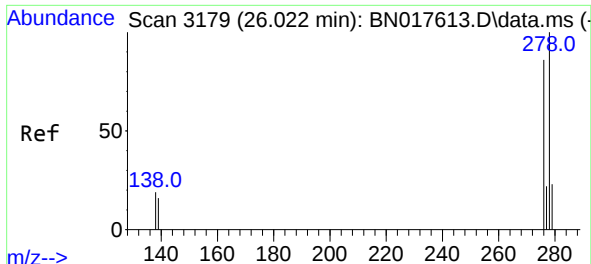


#39
Benzo(a)pyrene
Concen: 0.21 ng
RT: 23.561 min Scan# 2460
Delta R.T. 0.034 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12



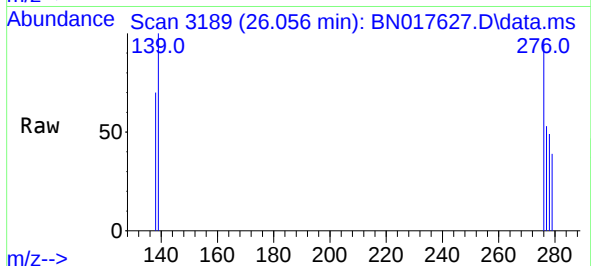
Tgt Ion:252 Resp: 57483
Ion Ratio Lower Upper
252 100
253 70.9 17.9 26.9#
125 296.7 9.2 13.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.09 ng
RT: 26.056 min Scan# 3179
Delta R.T. 0.034 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12

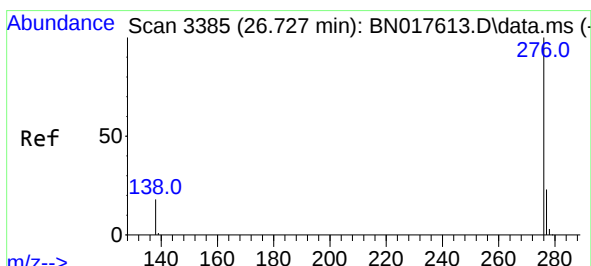
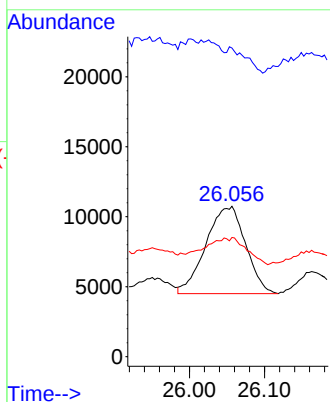
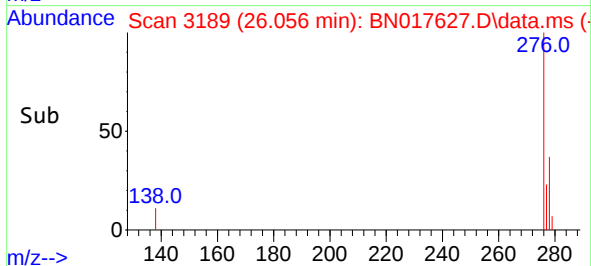
Instrument :
BNA_N
ClientSampleId :
CS-2A



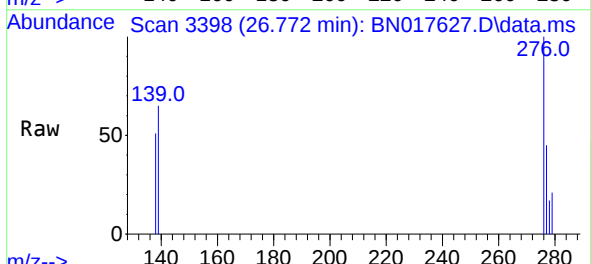
Tgt Ion:278 Resp: 22900
Ion Ratio Lower Upper
278 100
139 205.2 13.0 19.6#
279 79.2 19.2 28.8#

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.26 ng
RT: 26.772 min Scan# 3398
Delta R.T. 0.045 min
Lab File: BN017627.D
Acq: 01 Dec 2021 00:12



Tgt Ion:276 Resp: 64753
Ion Ratio Lower Upper
276 100
277 45.4 19.0 28.4#
138 51.4 17.1 25.7#

