

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120821\
 Data File : BN017812.D
 Acq On : 08 Dec 2021 22:37
 Operator : CG/JU
 Sample : M4966-22 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P3-COMP

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2021
 Supervised By :mohammad ahmed 12/15/2021

Quant Time: Dec 09 11:05:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 08 01:18:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	21973	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	89794	0.400	ng	0.00
13) Acenaphthene-d10	14.347	164	63713	0.400	ng	0.00
19) Phenanthrene-d10	17.092	188	133451	0.400	ng	0.00
29) Chrysene-d12	21.293	240	123381	0.400	ng	# 0.01
35) Perylene-d12	23.586	264	116351	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	2157	0.041	ng	0.00
5) Phenol-d6	6.903	99	1926	0.038	ng	0.00
8) Nitrobenzene-d5	8.859	82	2677m	0.045	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	7061	0.039	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	544	0.016	ng	0.00
15) 2-Fluorobiphenyl	12.977	172	11026	0.047	ng	0.01
27) Fluoranthene-d10	19.129	212	16988	0.038	ng	0.00
31) Terphenyl-d14	19.730	244	17905	0.068	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.545	128	44069	0.187	ng	100
12) 2-Methylnaphthalene	12.165	142	28201	0.166	ng	100
16) Acenaphthylene	14.055	152	103007	0.412	ng	98
17) Acenaphthene	14.398	154	111255	0.667	ng	98
18) Fluorene	15.388	166	172886m	0.812	ng	
25) Phenanthrene	17.129	178	2145637	6.120	ng	100
26) Anthracene	17.214	178	678318	2.200	ng	96
28) Fluoranthene	19.159	202	2992466	7.013	ng	98
30) Pyrene	19.521	202	2570979	6.573	ng	# 92
32) Benzo(a)anthracene	21.272	228	1901526	5.006	ng	98
33) Chrysene	21.325	228	1489271m	3.754	ng	
34) Bis(2-ethylhexyl)phtha...	21.219	149	90436	0.526	ng	98
36) Indeno(1,2,3-cd)pyrene	25.941	276	443144	1.374	ng	97
37) Benzo(b)fluoranthene	22.894	252	1526367	3.860	ng	99
38) Benzo(k)fluoranthene	22.935	252	641130m	1.719	ng	
39) Benzo(a)pyrene	23.483	252	1109987	3.123	ng	99
40) Dibenzo(a,h)anthracene	25.951	278	148024	0.593	ng	# 93
41) Benzo(g,h,i)perylene	26.663	276	361672	1.347	ng	99

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

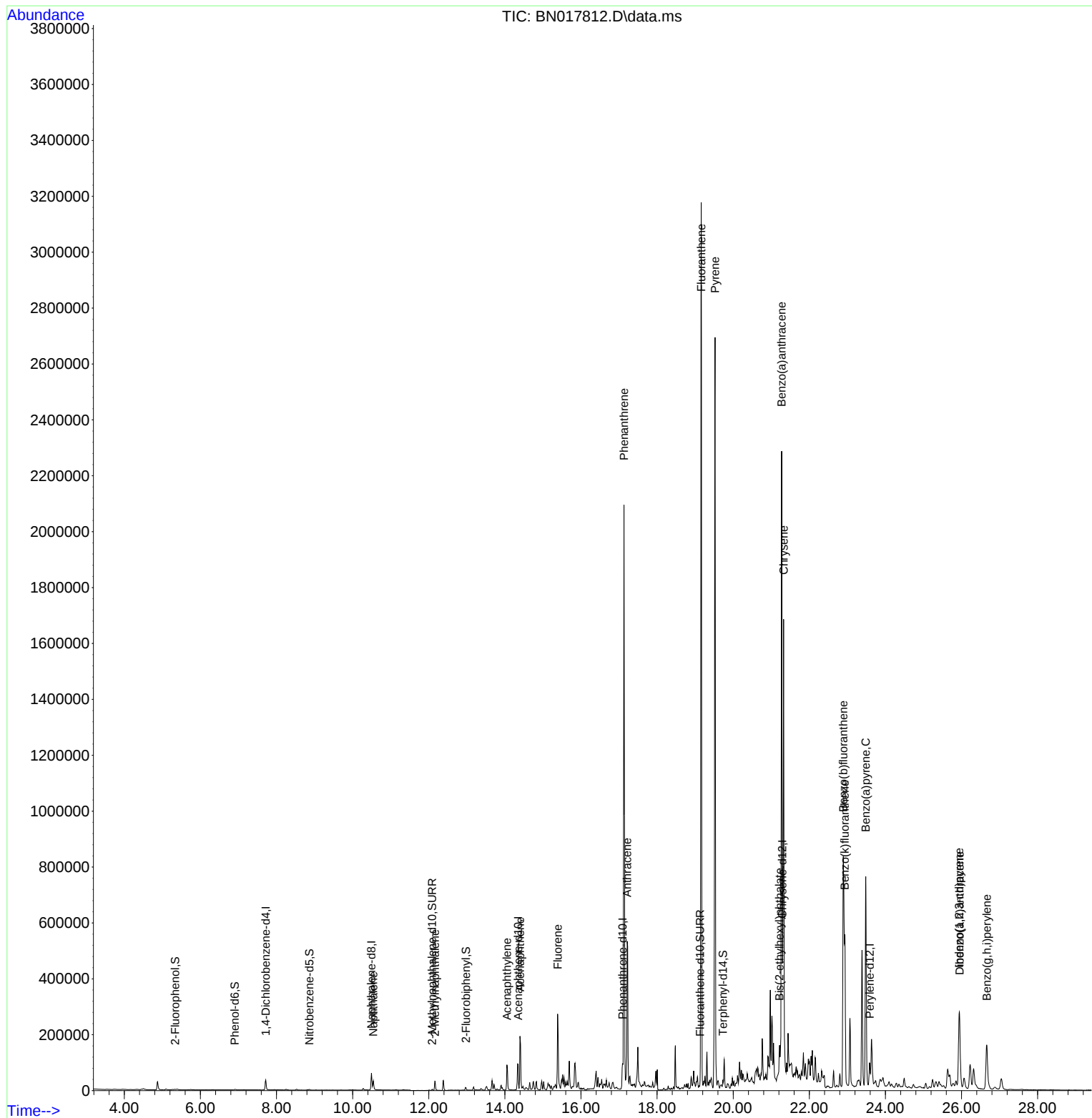
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120821\
Data File : BN017812.D
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ALS Vial : 17 Sample Multiplier: 1

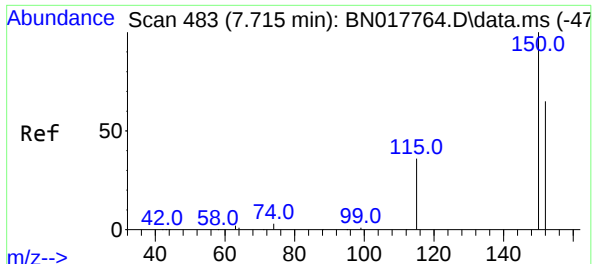
Instrument :
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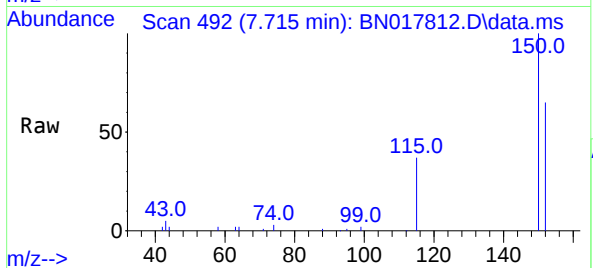
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.715 min Scan# 483
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Instrument :

BNA_N

ClientSampleId :

P3-COMP

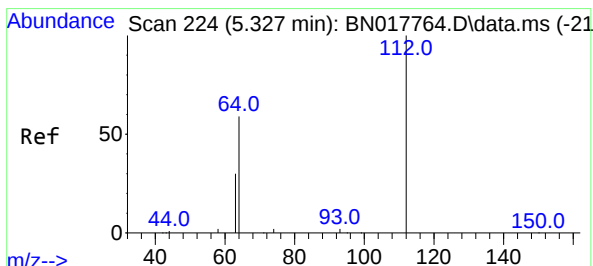
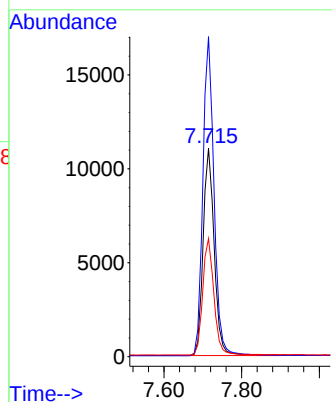


Tgt Ion:152 Resp: 2197
Ion Ratio Lower Upper
152 100
150 153.6 123.0 184.4
115 56.7 45.3 67.9

Manual Integrations

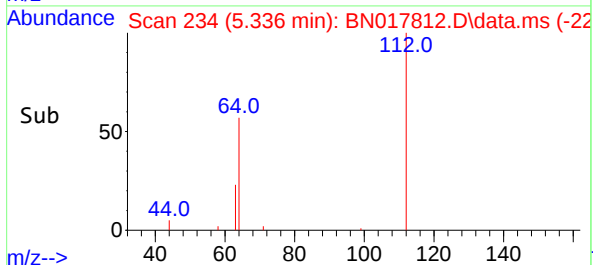
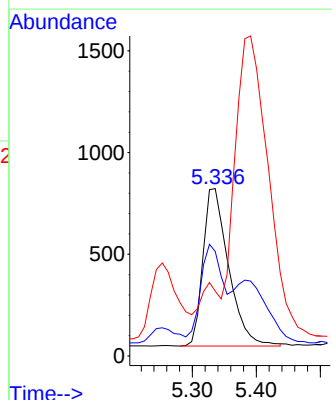
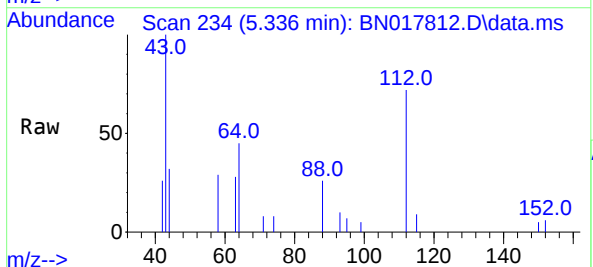
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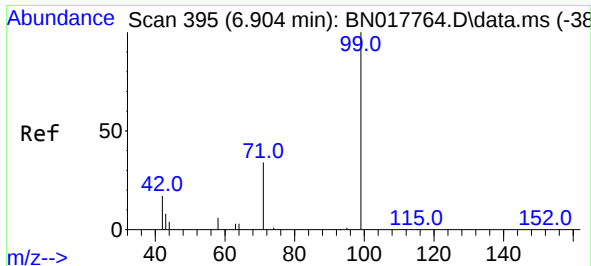
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#4
2-Fluorophenol
Concen: 0.041 ng
RT: 5.336 min Scan# 234
Delta R.T. 0.009 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:112 Resp: 2157
Ion Ratio Lower Upper
112 100
64 48.8 49.3 73.9#
63 12.7 25.8 38.8#





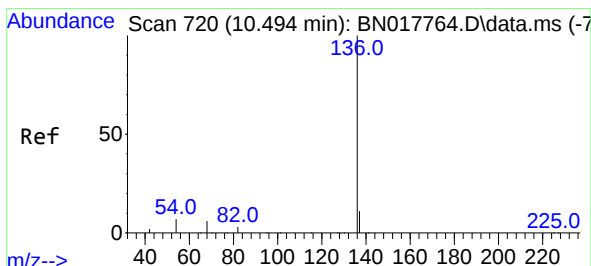
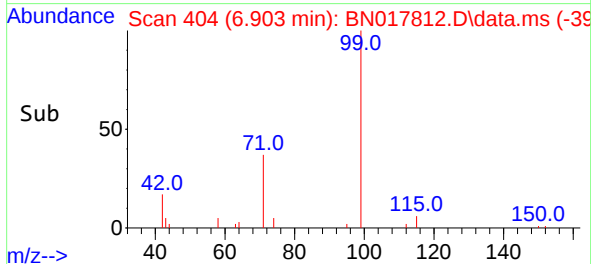
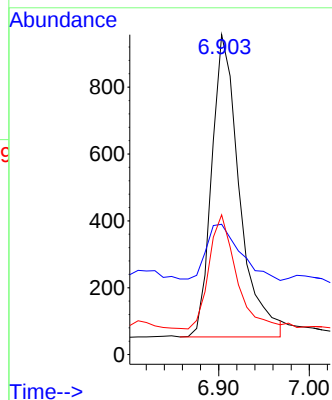
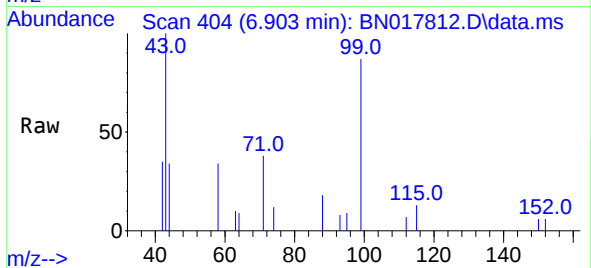
#5
Phenol-d6
Concen: 0.038 ng
RT: 6.903 min Scan# 404
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Instrument :
BNA_N
ClientSampleId :
P3-COMP

Tgt Ion: 99 Resp: 1920
Ion Ratio Lower Upper
99 100
42 22.4 16.6 25.0
71 36.6 29.0 43.4

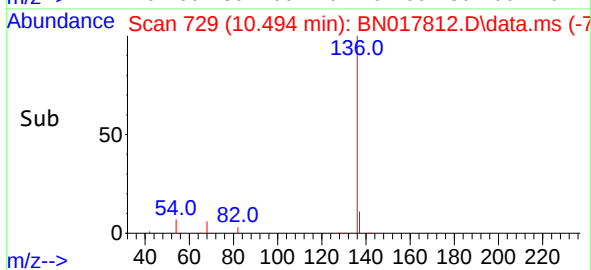
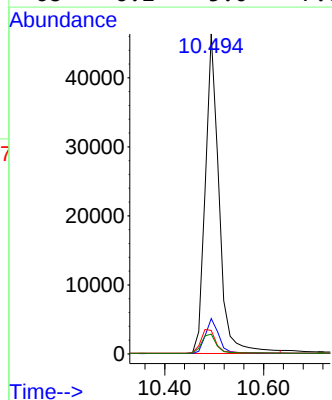
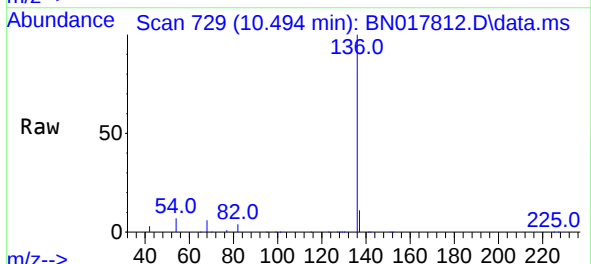
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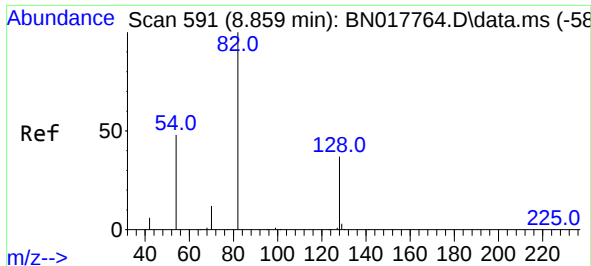
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:136 Resp: 89794
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.3 5.9 8.9
68 6.2 5.0 7.6





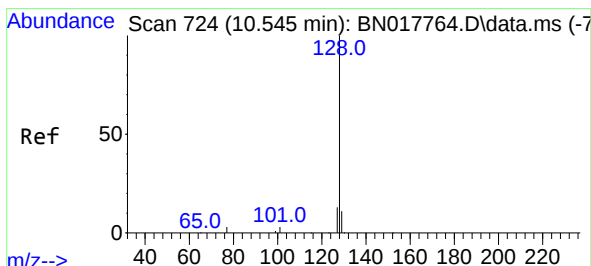
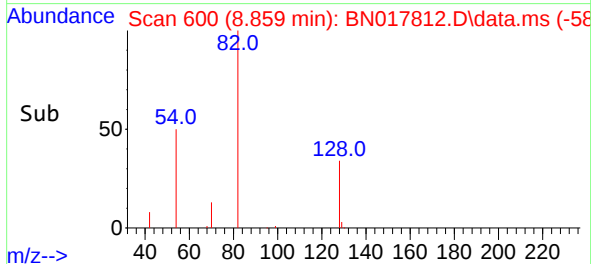
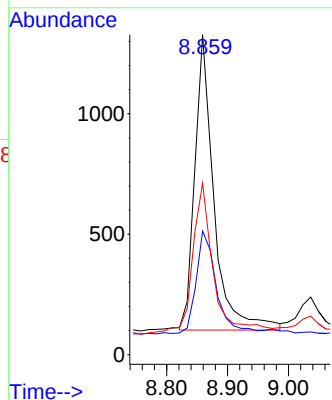
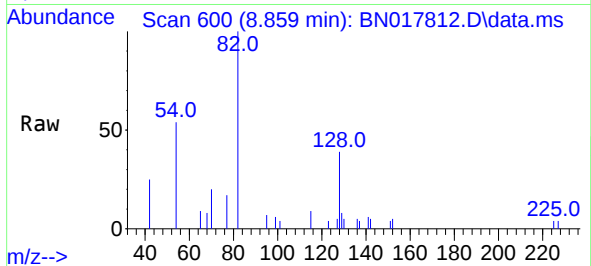
#8
Nitrobenzene-d5
Concen: 0.045 ng m
RT: 8.859 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Instrument :
BNA_N
ClientSampleId :
P3-COMP

Tgt Ion: 82 Resp: 267
Ion Ratio Lower Upper
82 100
128 38.6 30.2 45.2
54 53.6 39.0 58.6

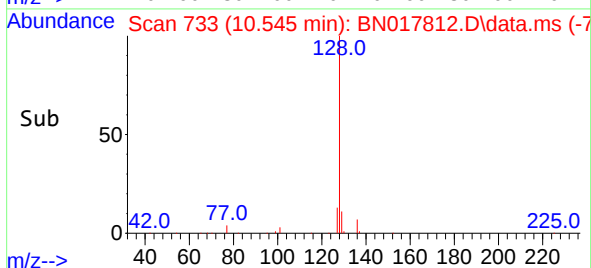
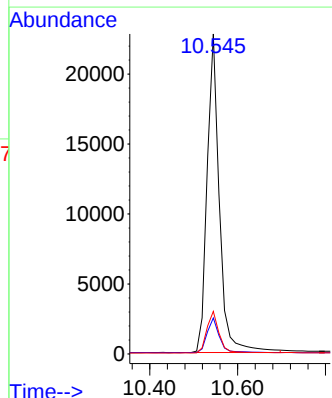
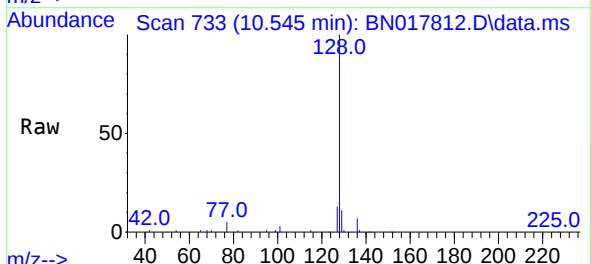
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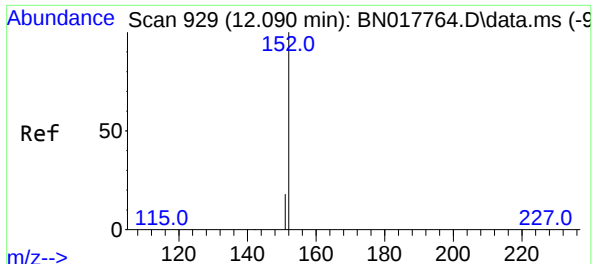
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#9
Naphthalene
Concen: 0.187 ng
RT: 10.545 min Scan# 733
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:128 Resp: 44069
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.3 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.039 ng

RT: 12.090 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN017812.D

Acq: 08 Dec 2021 22:37

Instrument :

BNA_N

ClientSampleId :

P3-COMP

Tgt Ion:152 Resp: 706

Ion Ratio Lower Upper

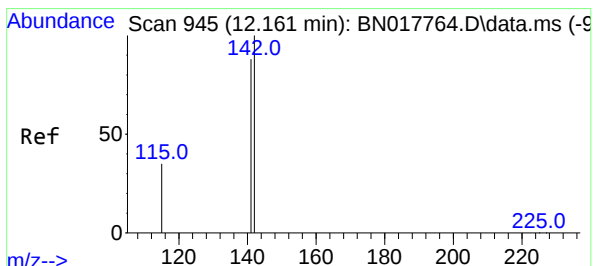
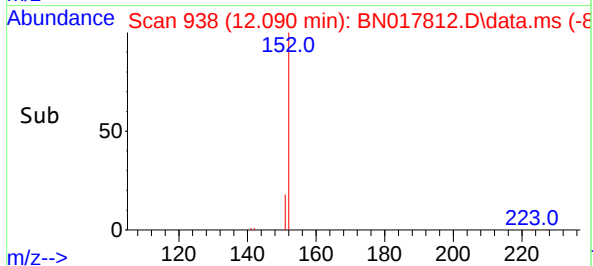
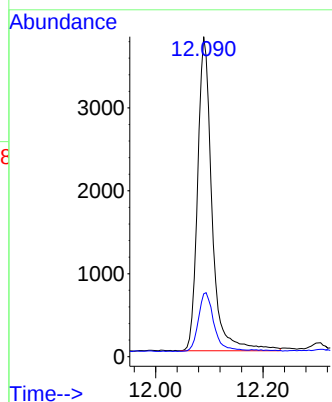
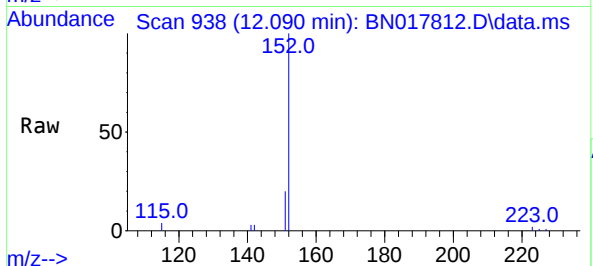
152 100

151 20.3 16.4 24.6

Manual Integrations

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#12

2-Methylnaphthalene

Concen: 0.166 ng

RT: 12.165 min Scan# 955

Delta R.T. 0.004 min

Lab File: BN017812.D

Acq: 08 Dec 2021 22:37

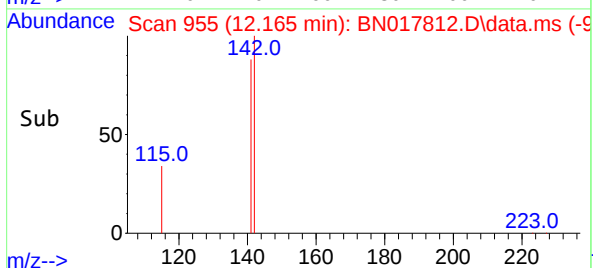
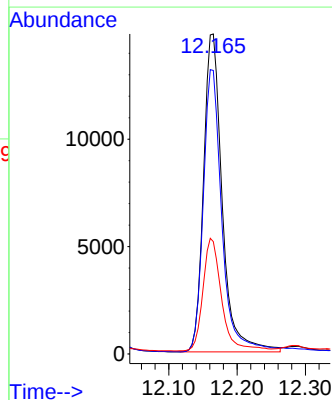
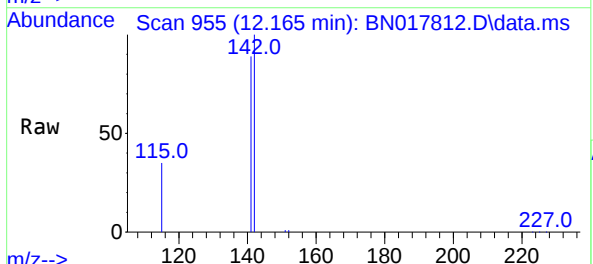
Tgt Ion:142 Resp: 28201

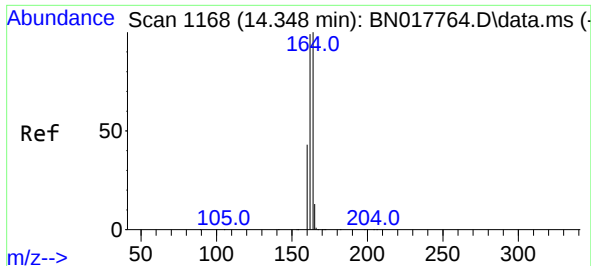
Ion Ratio Lower Upper

142 100

141 88.6 70.5 105.7

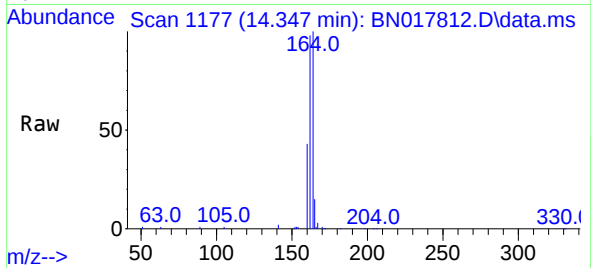
115 35.1 28.0 42.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.347 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

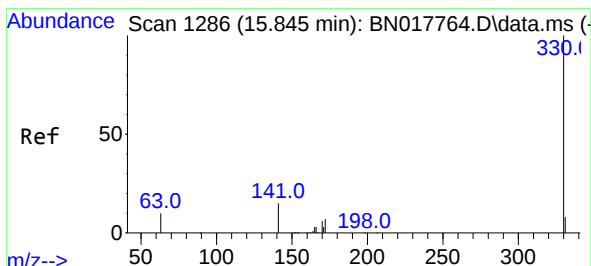
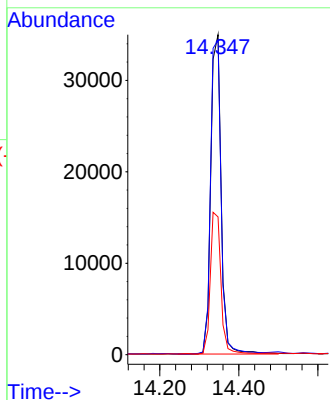
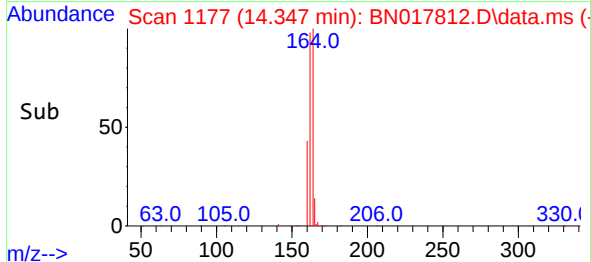
Instrument :
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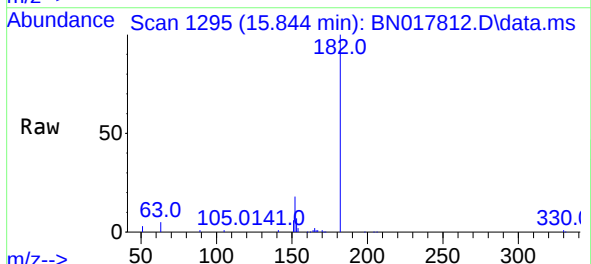
Tgt Ion:164 Resp: 6371
Ion Ratio Lower Upper
164 100
162 98.3 79.0 118.6
160 43.1 34.6 52.0

Manual Integrations
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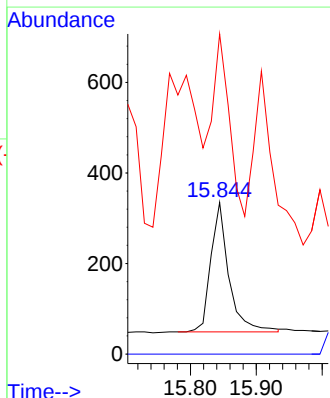
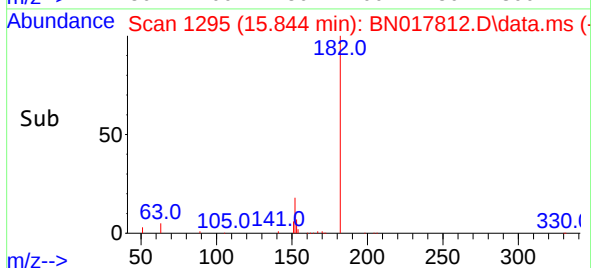
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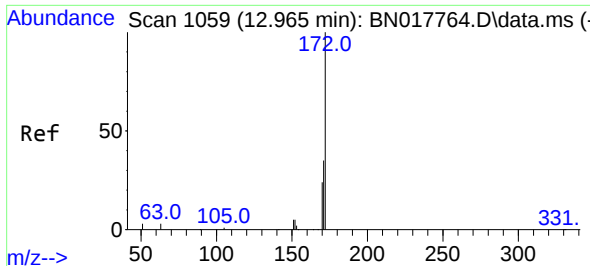


#14
2,4,6-Tribromophenol
Concen: 0.016 ng
RT: 15.844 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37



Tgt Ion:330 Resp: 544
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 129.2 21.5 32.3#





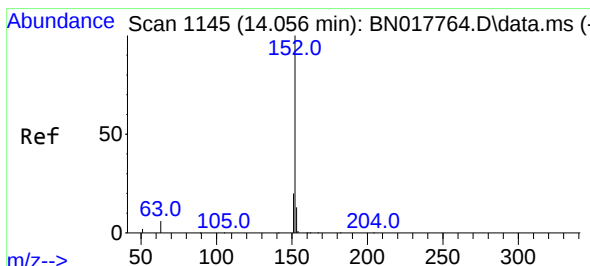
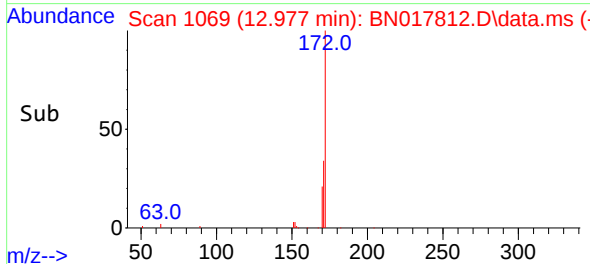
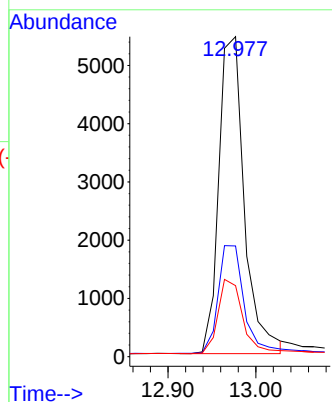
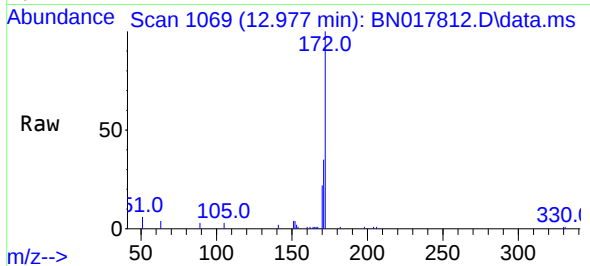
#15
2-Fluorobiphenyl
Concen: 0.047 ng
RT: 12.977 min Scan# 1059
Delta R.T. 0.012 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Instrument :
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ClientSampleId :
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Tgt Ion:172 Resp: 11020
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 22.2 18.9 28.3

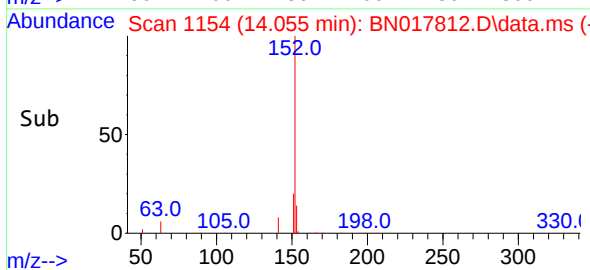
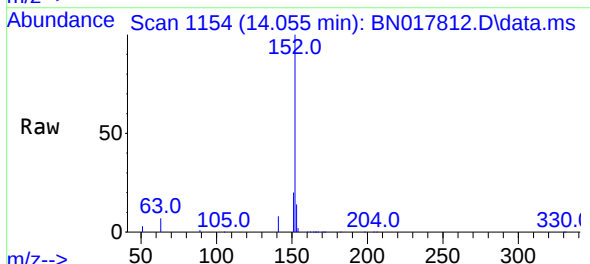
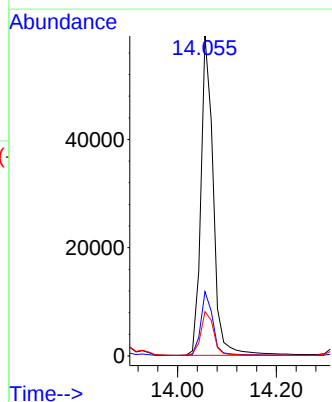
Manual Integrations
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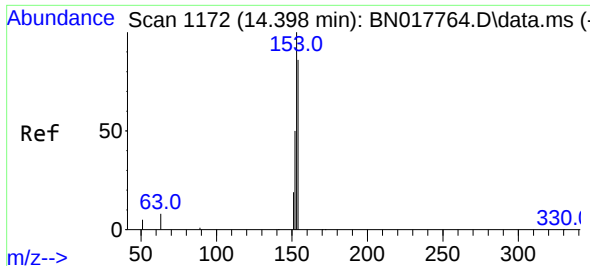
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#16
Acenaphthylene
Concen: 0.412 ng
RT: 14.055 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

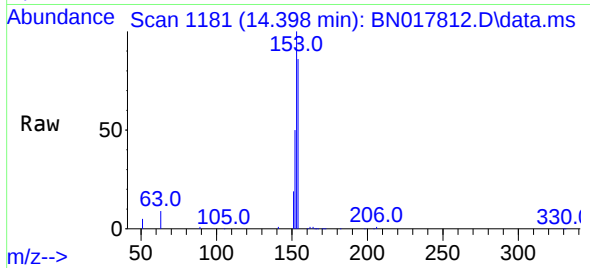
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Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 14.5 10.4 15.6





#17
Acenaphthene
Concen: 0.667 ng
RT: 14.398 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

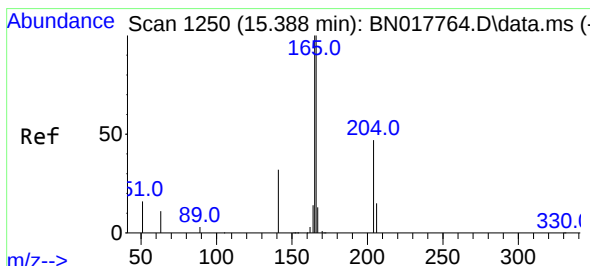
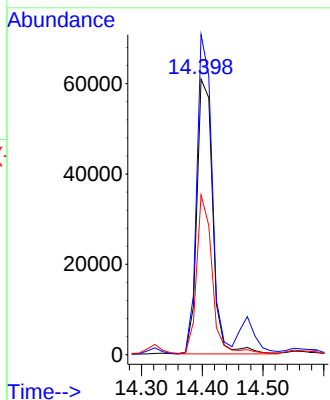
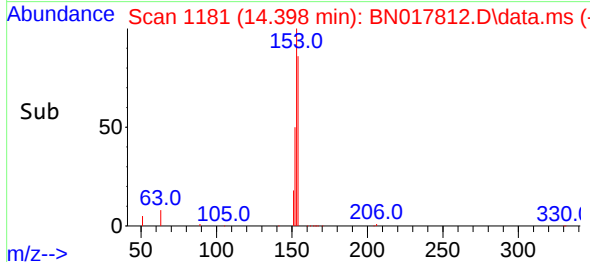
Instrument :
BNA_N
ClientSampleId :
P3-COMP



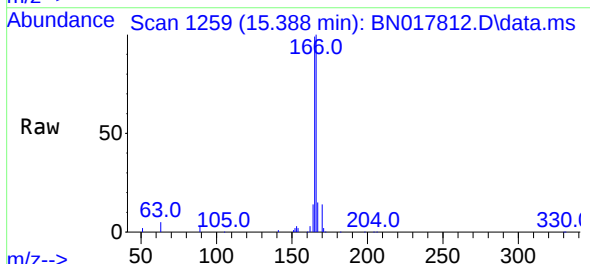
Tgt Ion:154 Resp: 11125
Ion Ratio Lower Upper
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153 110.6 90.1 135.1
152 55.3 43.7 65.5

Manual Integrations
APPROVED

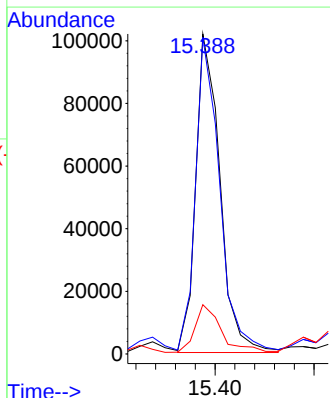
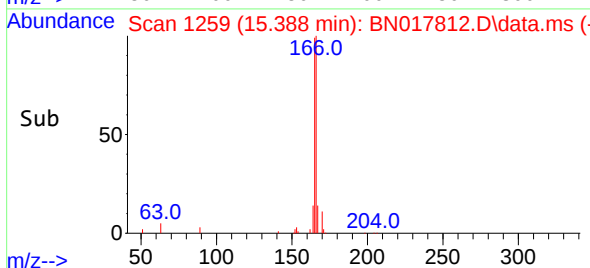
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

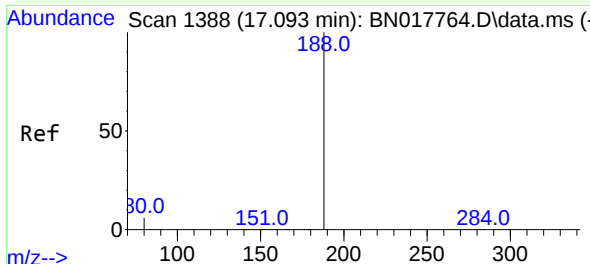


#18
Fluorene
Concen: 0.812 ng m
RT: 15.388 min Scan# 1259
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37



Tgt Ion:166 Resp: 172886
Ion Ratio Lower Upper
166 100
165 105.3 77.8 116.8
167 16.1 11.0 16.4





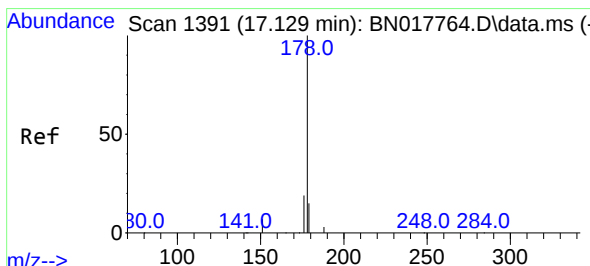
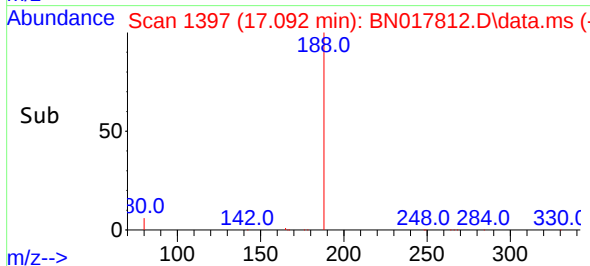
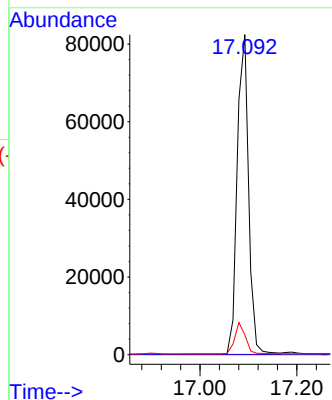
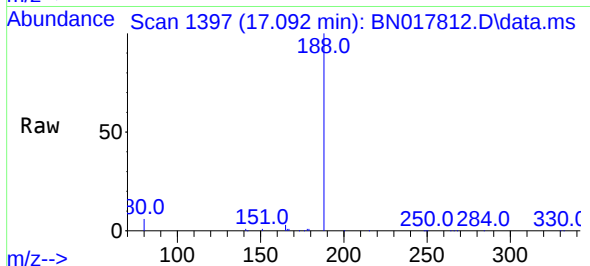
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Instrument :
BNA_N
ClientSampleId :
P3-COMP

Tgt Ion:188 Resp: 13345
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.2 5.1 7.7

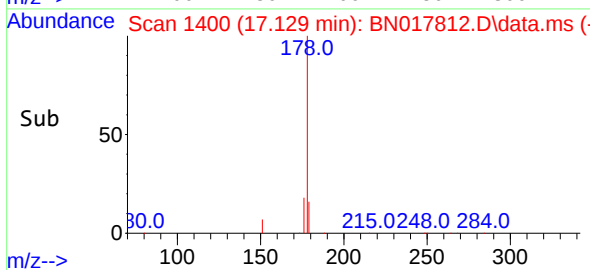
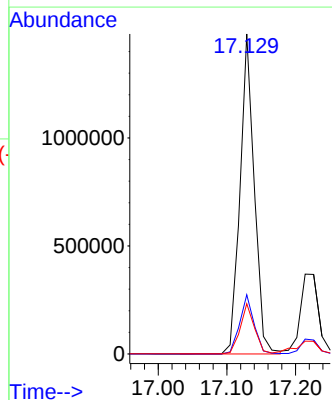
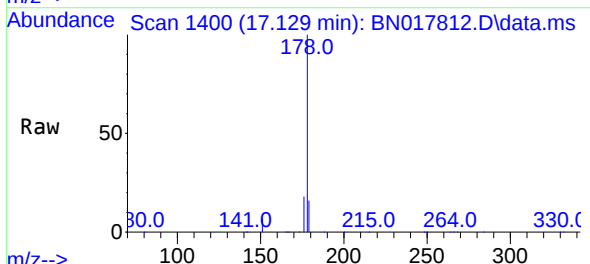
Manual Integrations
APPROVED

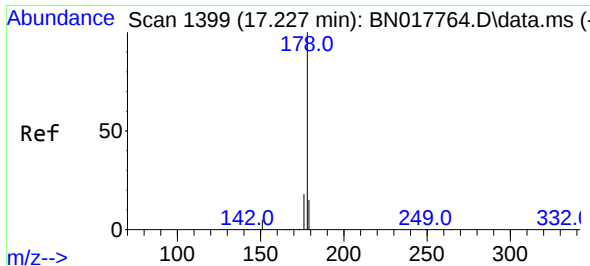
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#25
Phenanthrene
Concen: 6.120 ng
RT: 17.129 min Scan# 1400
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

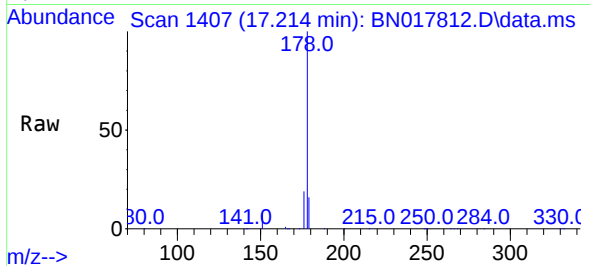
Tgt Ion:178 Resp: 2145637
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.7 12.5 18.7





#26
 Anthracene
 Concen: 2.200 ng
 RT: 17.214 min Scan# 1407
 Delta R.T. -0.012 min
 Lab File: BN017812.D
 Acq: 08 Dec 2021 22:37

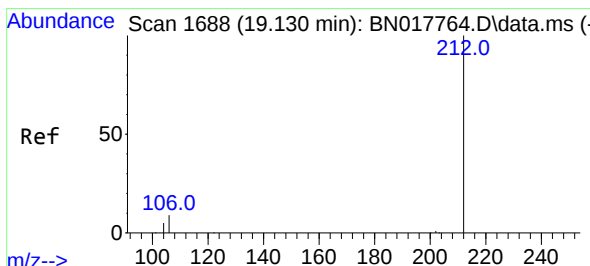
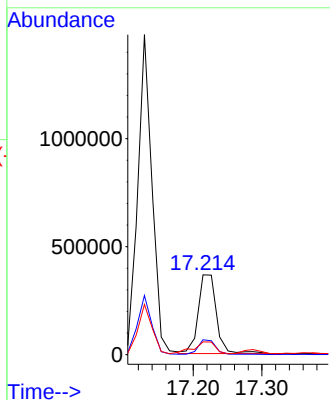
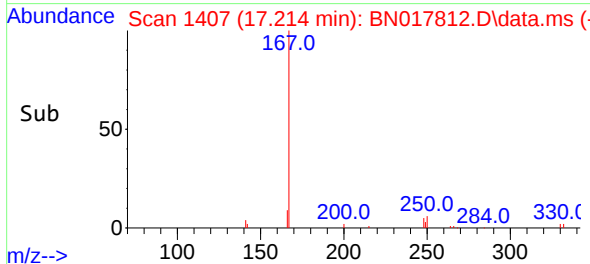
Instrument :
 BNA_N
 ClientSampleId :
 P3-COMP



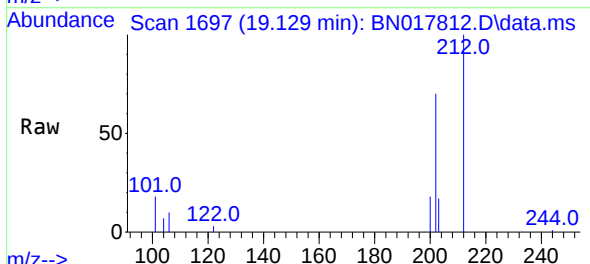
Tgt Ion:178 Resp: 678318
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.5 21.7
 179 18.3 12.2 18.4

Manual Integrations
 APPROVED

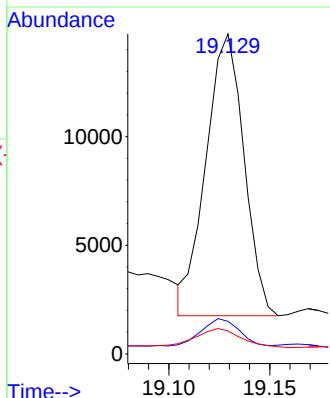
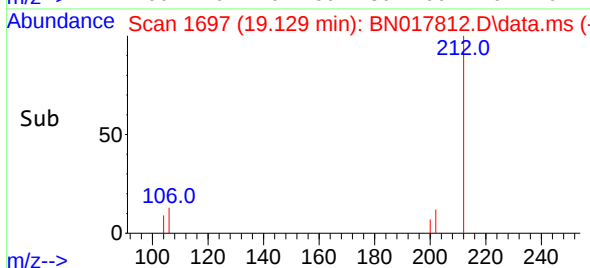
Reviewed By :Jagrut Upadhyay 12/09/2021
 Supervised By :mohammad ahmed 12/15/2021

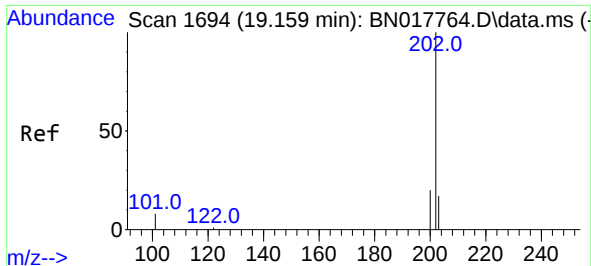


#27
 Fluoranthene-d10
 Concen: 0.038 ng
 RT: 19.129 min Scan# 1697
 Delta R.T. -0.000 min
 Lab File: BN017812.D
 Acq: 08 Dec 2021 22:37



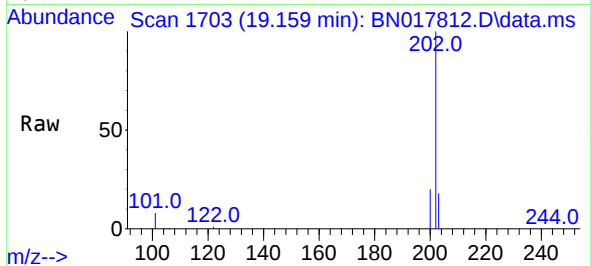
Tgt Ion:212 Resp: 16988
 Ion Ratio Lower Upper
 212 100
 106 10.1 8.2 12.2
 104 8.8 4.6 6.8





#28
Fluoranthene
Concen: 7.013 ng
RT: 19.159 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

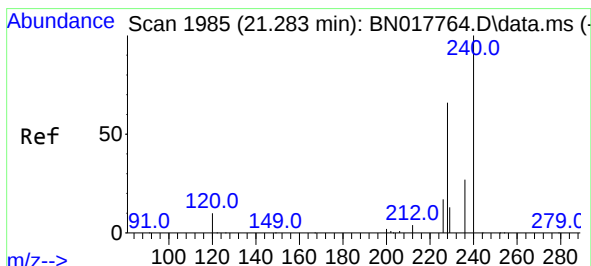
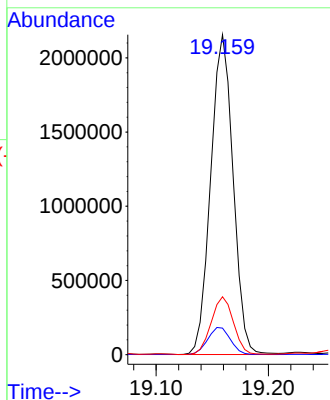
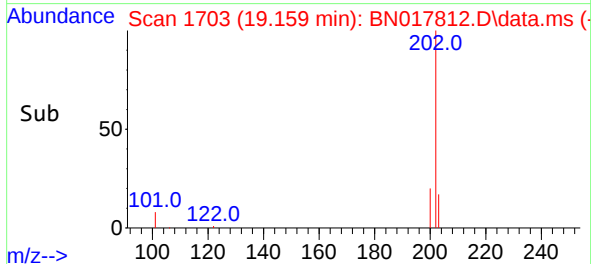
Instrument :
BNA_N
ClientSampleId :
P3-COMP



Tgt Ion:202 Resp: 2992460
Ion Ratio Lower Upper
202 100
101 8.6 7.2 10.8
203 17.9 13.7 20.5

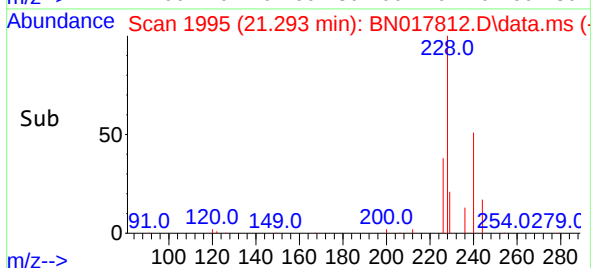
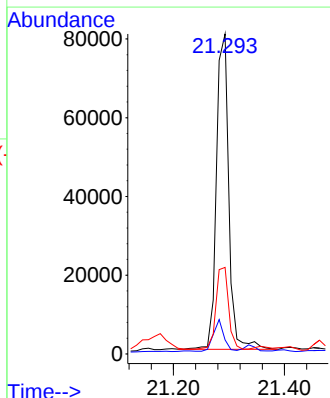
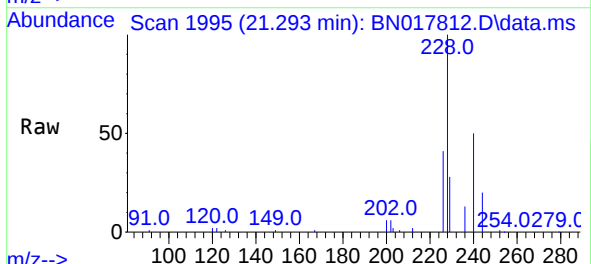
Manual Integrations
APPROVED

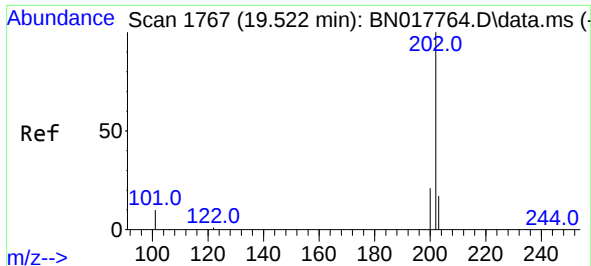
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 1995
Delta R.T. 0.010 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

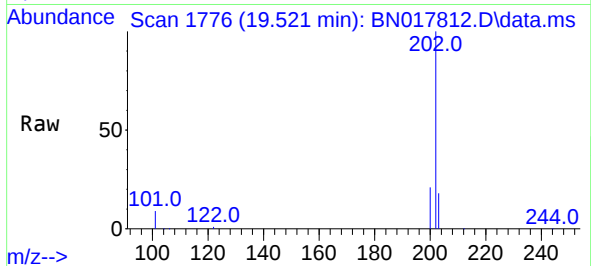
Tgt Ion:240 Resp: 123381
Ion Ratio Lower Upper
240 100
120 4.4 7.9 11.9#
236 27.1 21.4 32.2





#30
Pyrene
Concen: 6.573 ng
RT: 19.521 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

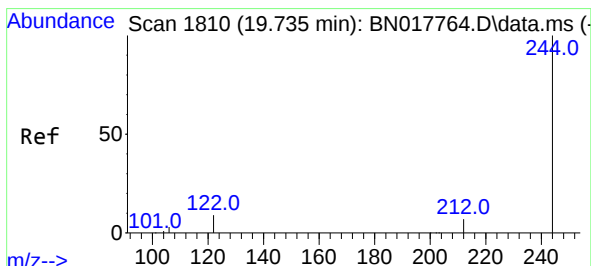
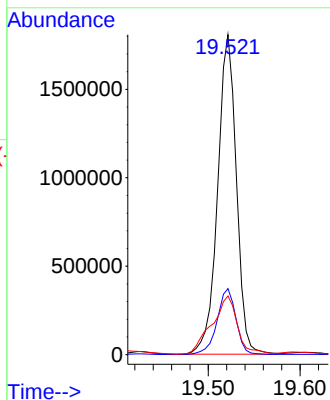
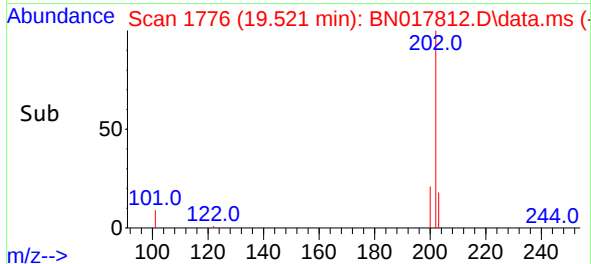
Instrument :
BNA_N
ClientSampleId :
P3-COMP



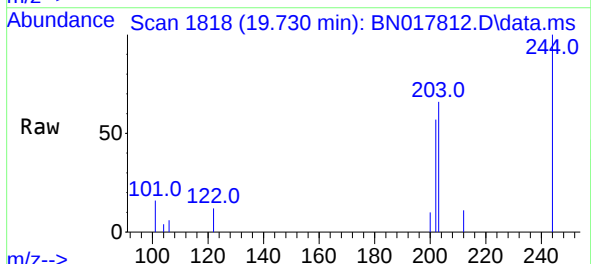
Tgt Ion:202 Resp: 2570979
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 24.6 14.0 21.0

Manual Integrations
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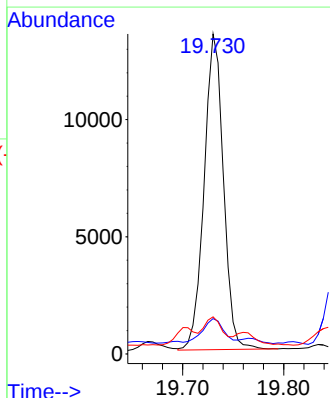
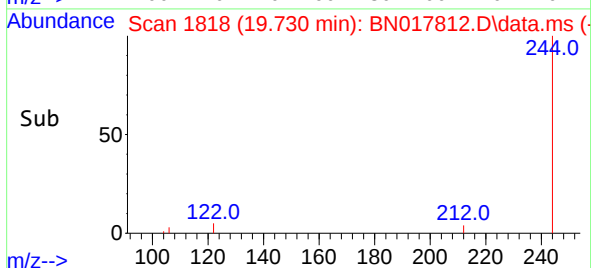
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

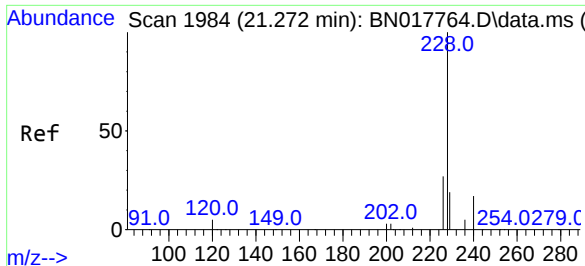


#31
Terphenyl-d14
Concen: 0.068 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37



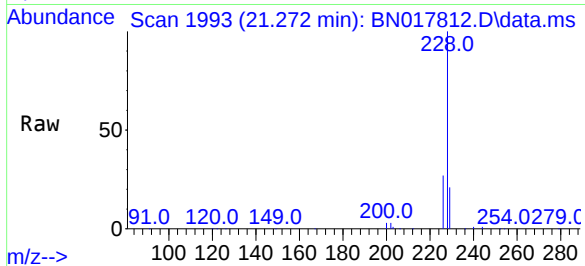
Tgt Ion:244 Resp: 17905
Ion Ratio Lower Upper
244 100
212 11.1 5.8 8.8#
122 11.6 7.1 10.7#





#32
Benzo(a)anthracene
Concen: 5.006 ng
RT: 21.272 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

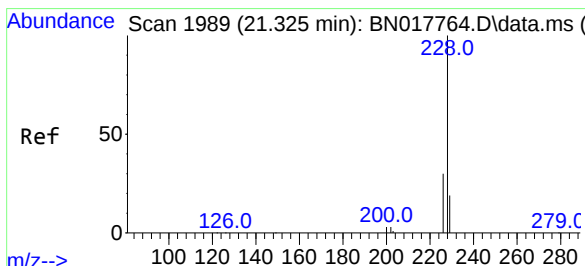
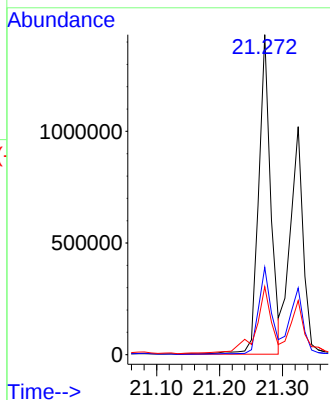
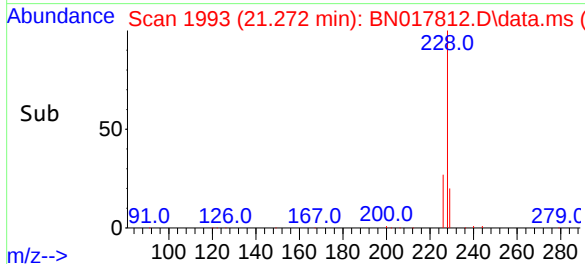
Instrument :
BNA_N
ClientSampleId :
P3-COMP



Tgt Ion:228 Resp: 1901520
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.0
229 21.2 15.7 23.5

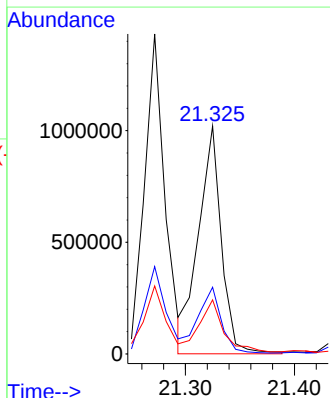
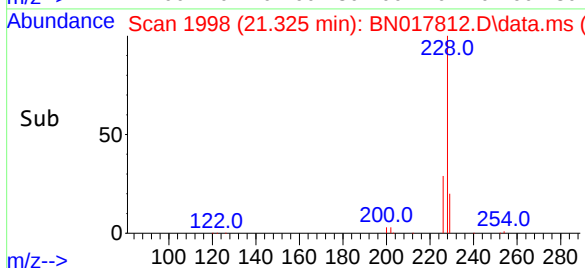
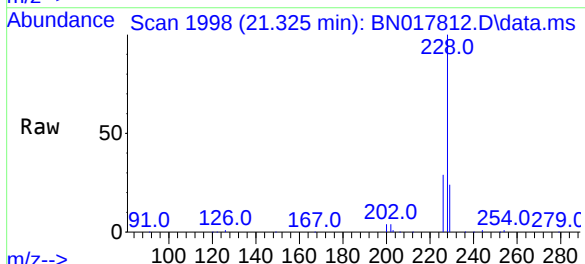
Manual Integrations
APPROVED

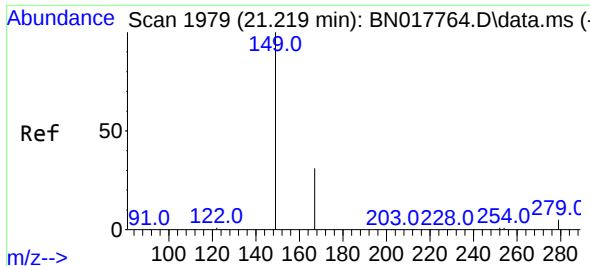
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#33
Chrysene
Concen: 3.754 ng m
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

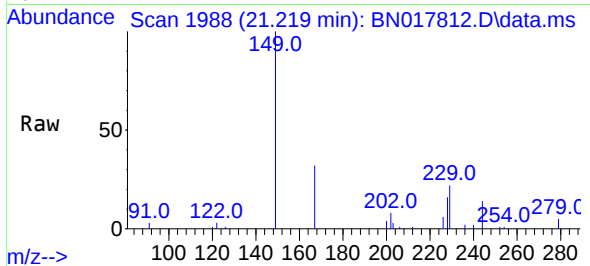
Tgt Ion:228 Resp: 1489271
Ion Ratio Lower Upper
228 100
226 29.3 23.6 35.4
229 23.7 15.6 23.4#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.526 ng
RT: 21.219 min Scan# 1979
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

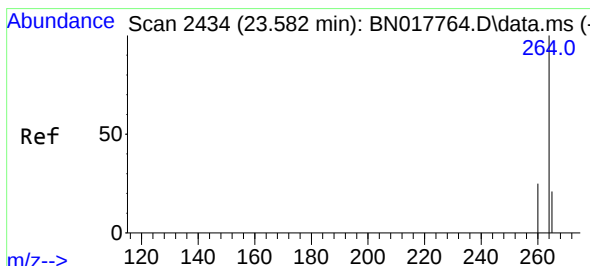
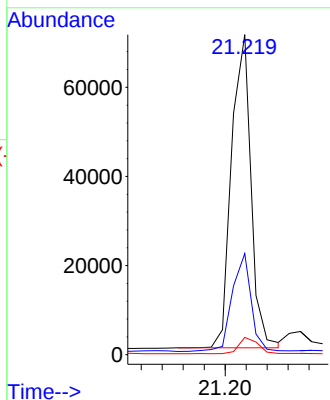
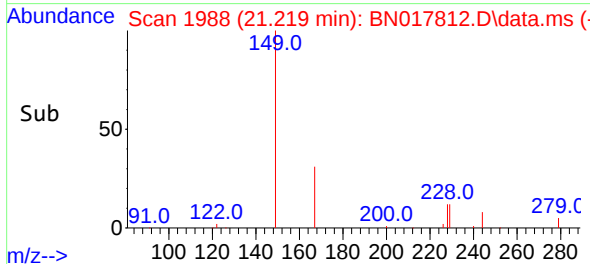
Instrument :
BNA_N
ClientSampleId :
P3-COMP



Tgt Ion:149 Resp: 90430
Ion Ratio Lower Upper
149 100
167 30.4 23.5 35.3
279 5.2 3.8 5.6

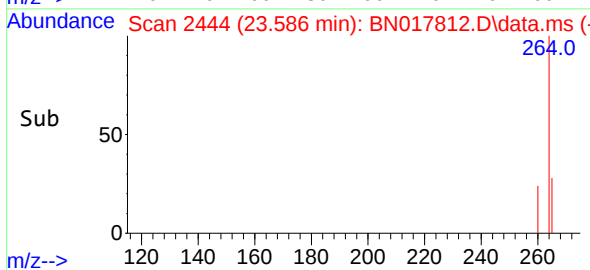
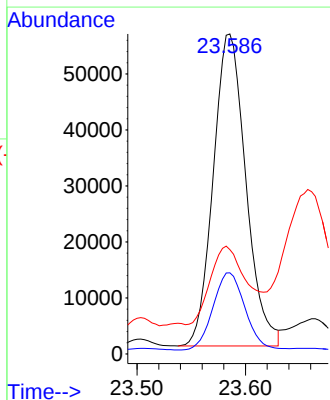
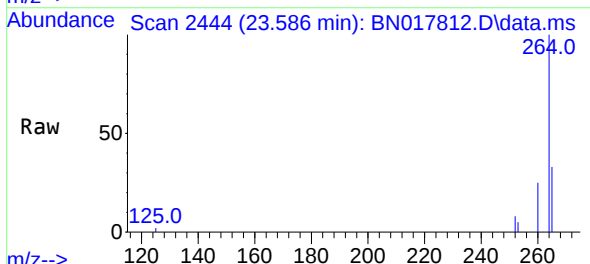
Manual Integrations
APPROVED

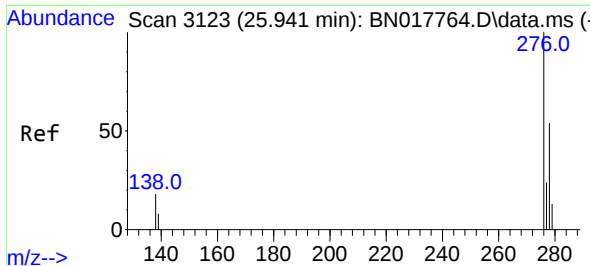
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.586 min Scan# 2444
Delta R.T. 0.003 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

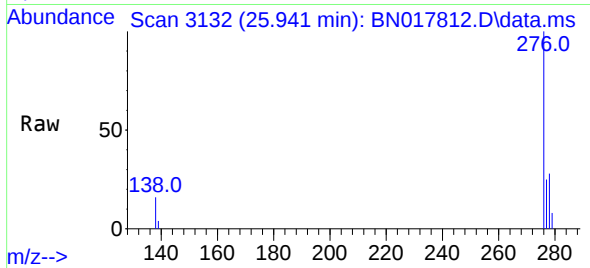
Tgt Ion:264 Resp: 116351
Ion Ratio Lower Upper
264 100
260 25.3 20.0 30.0
265 32.6 20.5 30.7





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.374 ng
RT: 25.941 min Scan# 3123
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

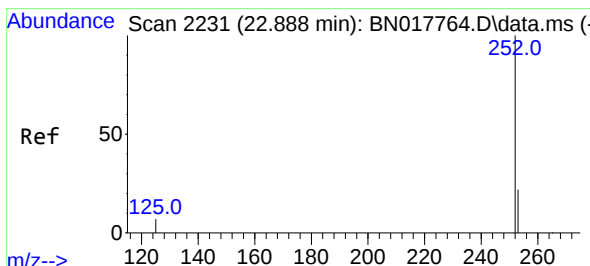
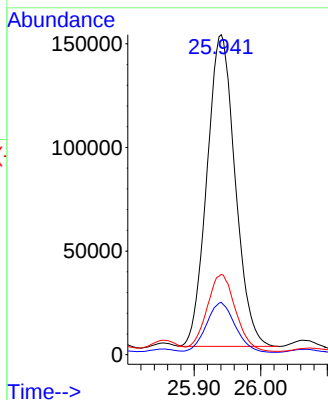
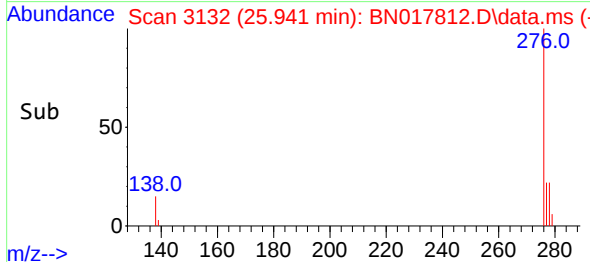
Instrument :
BNA_N
ClientSampleId :
P3-COMP



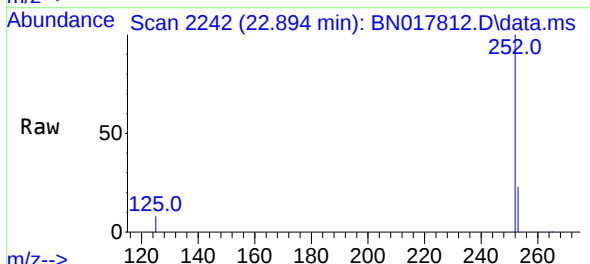
Tgt Ion:276 Resp: 443144
Ion Ratio Lower Upper
276 100
138 16.3 15.0 22.4
277 25.3 19.8 29.8

Manual Integrations
APPROVED

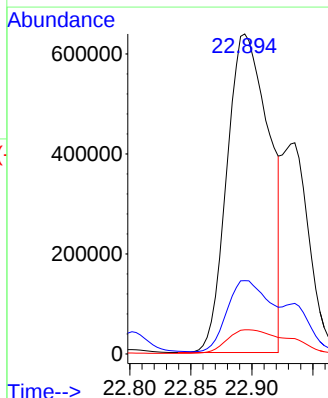
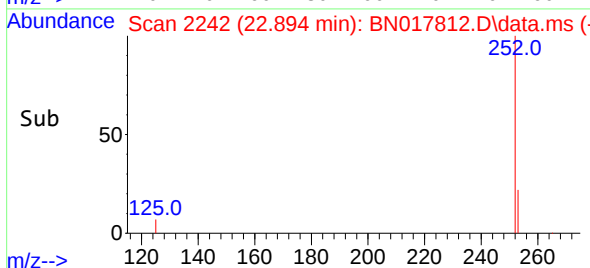
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

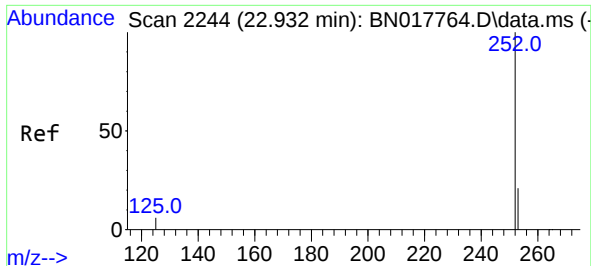


#37
Benzo(b)fluoranthene
Concen: 3.860 ng
RT: 22.894 min Scan# 2242
Delta R.T. 0.007 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37



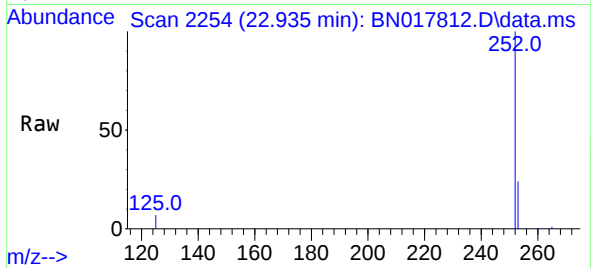
Tgt Ion:252 Resp: 1526367
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 7.5 6.2 9.2





#38
Benzo(k)fluoranthene
Concen: 1.719 ng m
RT: 22.935 min Scan# 2114
Delta R.T. 0.003 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

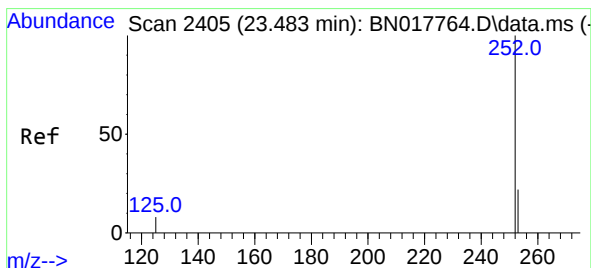
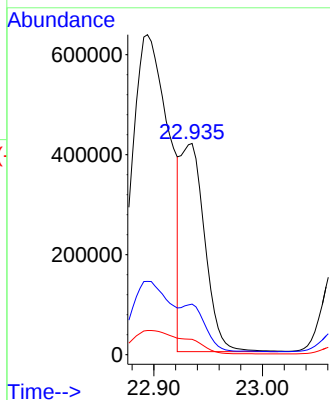
Instrument :
BNA_N
ClientSampleId :
P3-COMP



Tgt Ion:252 Resp: 641130
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 7.3 6.2 9.2

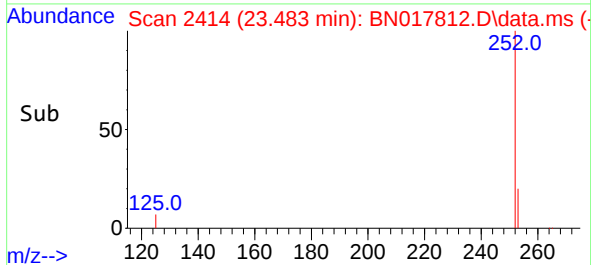
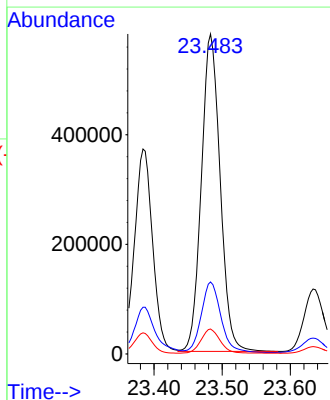
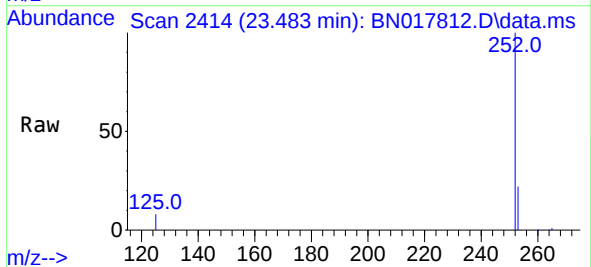
Manual Integrations
APPROVED

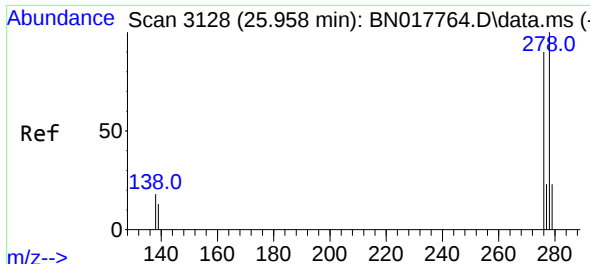
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#39
Benzo(a)pyrene
Concen: 3.123 ng
RT: 23.483 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

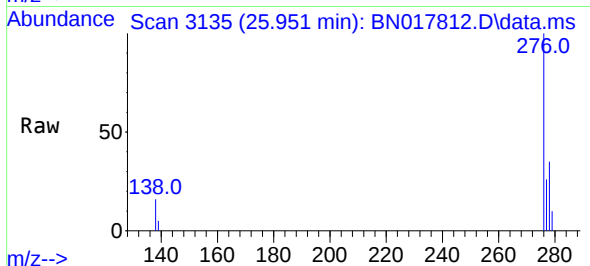
Tgt Ion:252 Resp: 1109987
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 7.8 7.0 10.4





#40
Dibenzo(a,h)anthracene
Concen: 0.593 ng
RT: 25.951 min Scan# 3128
Delta R.T. -0.007 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

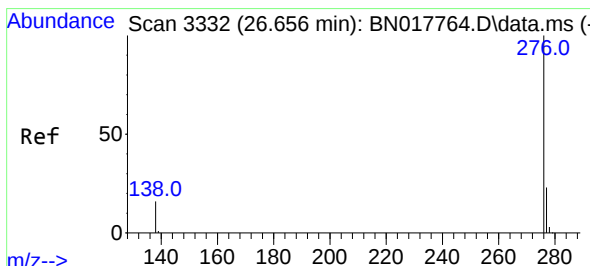
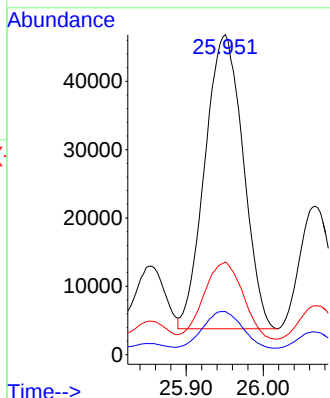
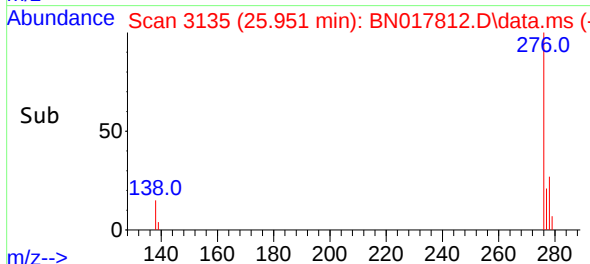
Instrument :
BNA_N
ClientSampleId :
P3-COMP



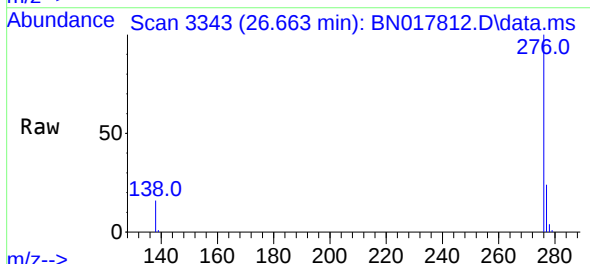
Tgt Ion:278 Resp: 148024
Ion Ratio Lower Upper
278 100
139 13.5 10.8 16.2
279 29.0 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#41
Benzo(g,h,i)perylene
Concen: 1.347 ng
RT: 26.663 min Scan# 3343
Delta R.T. 0.007 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37



Tgt Ion:276 Resp: 361672
Ion Ratio Lower Upper
276 100
277 24.1 19.1 28.7
138 16.0 13.2 19.8

