

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120821\
 Data File : BN017809.D
 Acq On : 08 Dec 2021 20:49
 Operator : CG/JU
 Sample : M4966-29
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P4-COMP

Quant Time: Dec 09 11:05:20 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.714	152	20959	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	83788	0.400	ng	0.00
13) Acenaphthene-d10	14.347	164	59021	0.400	ng	0.00
19) Phenanthrene-d10	17.092	188	122355	0.400	ng	# 0.00
29) Chrysene-d12	21.293	240	107405	0.400	ng	# 0.00
35) Perylene-d12	23.589	264	100199	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.345	112	14141	0.279	ng	0.02
5) Phenol-d6	6.912	99	12986	0.271	ng	0.00
8) Nitrobenzene-d5	8.859	82	18869m	0.339	ng	0.00
11) 2-Methylnaphthalene-d10	12.089	152	45006	0.269	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	1576	0.051	ng	0.00
15) 2-Fluorobiphenyl	12.977	172	68997	0.319	ng	0.01
27) Fluoranthene-d10	19.129	212	107131	0.262	ng	0.00
31) Terphenyl-d14	19.735	244	85434	0.370	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.544	128	6271	0.029	ng	# 95
25) Phenanthrene	17.129	178	34192m	0.106	ng	
26) Anthracene	17.226	178	7867	0.028	ng	# 93
28) Fluoranthene	19.159	202	38267	0.098	ng	99
30) Pyrene	19.521	202	34470	0.101	ng	# 94
32) Benzo(a)anthracene	21.271	228	36762	0.111	ng	96
33) Chrysene	21.325	228	31272	0.091	ng	96
34) Bis(2-ethylhexyl)phtha...	21.218	149	584229	3.900	ng	98
36) Indeno(1,2,3-cd)pyrene	25.947	276	15761	0.057	ng	97
37) Benzo(b)fluoranthene	22.894	252	31387	0.092	ng	# 69
38) Benzo(k)fluoranthene	22.938	252	23570	0.073	ng	# 66
39) Benzo(a)pyrene	23.486	252	24732	0.081	ng	# 65
40) Dibenzo(a,h)anthracene	25.971	278	10010	0.047	ng	# 62
41) Benzo(g,h,i)perylene	26.669	276	13715	0.059	ng	# 87

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

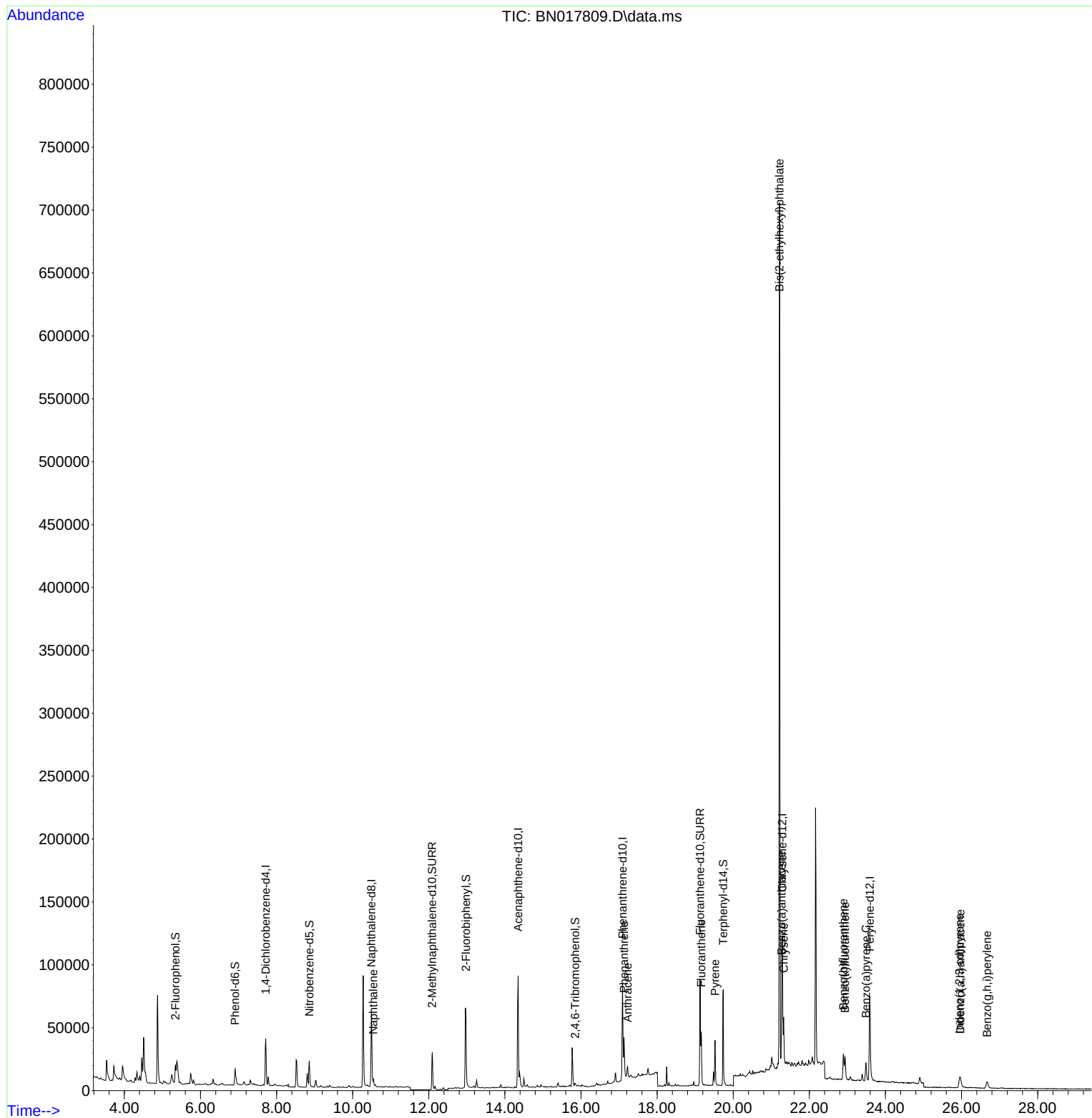
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120821\
Data File : BN017809.D
Acq On : 08 Dec 2021 20:49
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ALS Vial : 14 Sample Multiplier: 1

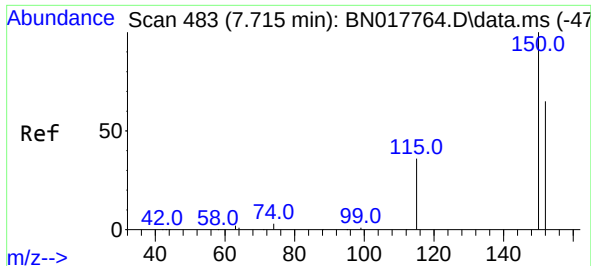
Instrument :
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P4-COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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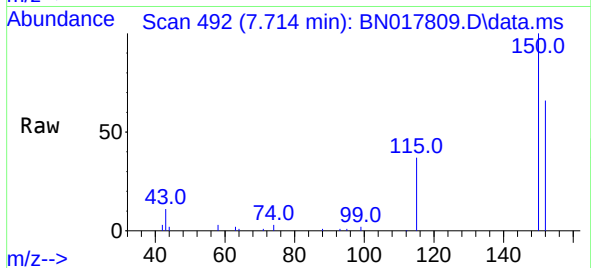
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.714 min Scan# 492
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

Instrument :

BNA_N

ClientSampleId :

P4-COMP

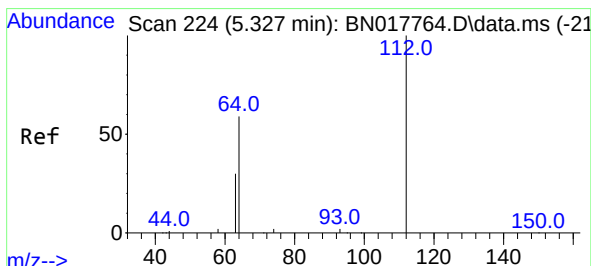
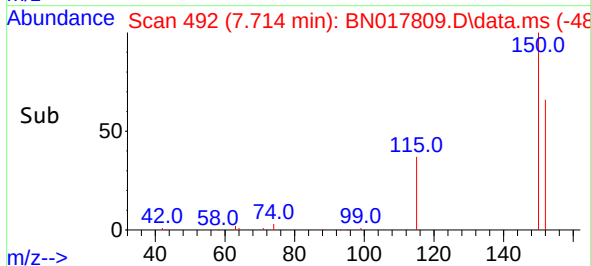
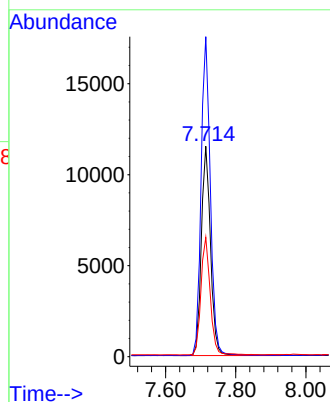


Tgt Ion:152 Resp: 20958
Ion Ratio Lower Upper
152 100
150 152.1 123.0 184.4
115 56.7 45.3 67.9

Manual Integrations

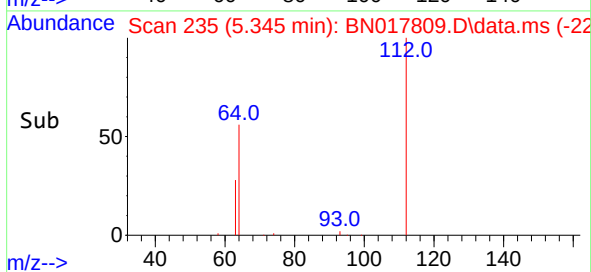
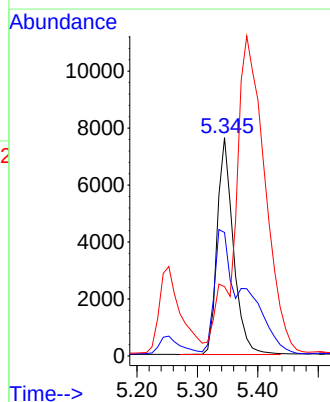
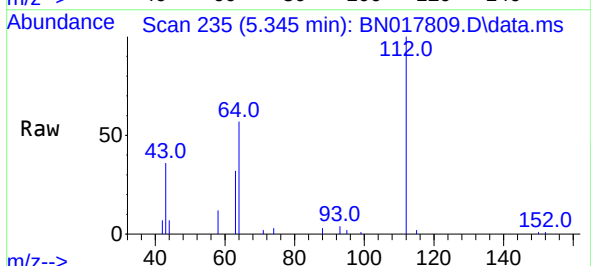
APPROVED

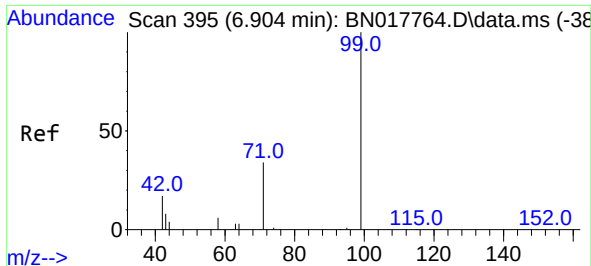
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#4
2-Fluorophenol
Concen: 0.279 ng
RT: 5.345 min Scan# 235
Delta R.T. 0.018 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

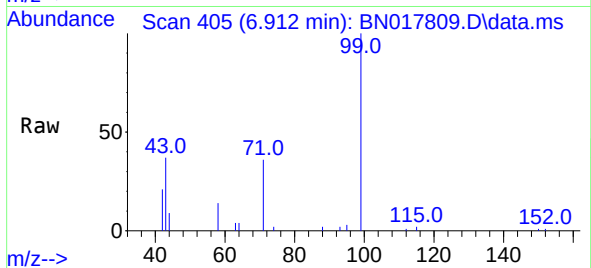
Tgt Ion:112 Resp: 14141
Ion Ratio Lower Upper
112 100
64 101.4 49.3 73.9#
63 0.0 25.8 38.8#





#5
Phenol-d6
Concen: 0.271 ng
RT: 6.912 min Scan# 405
Delta R.T. 0.009 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

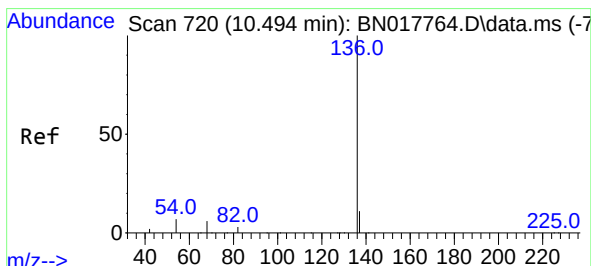
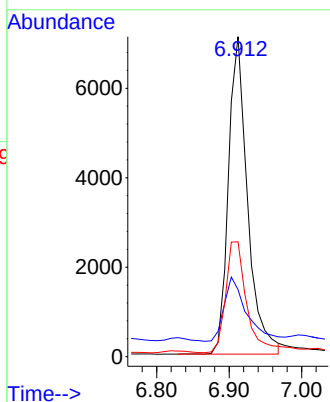
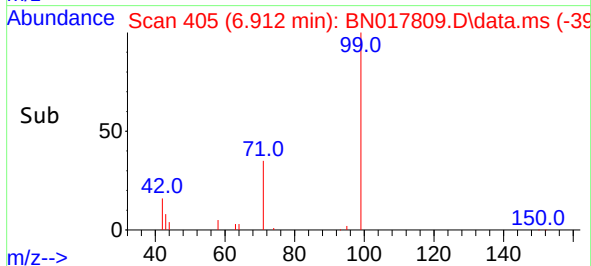
Instrument :
BNA_N
ClientSampleId :
P4-COMP



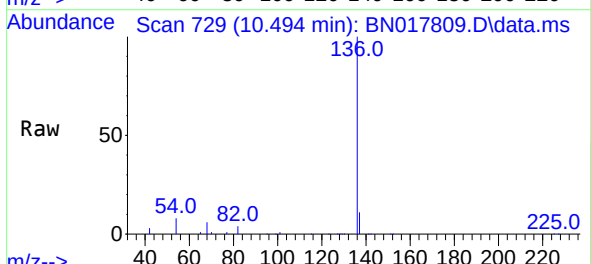
Tgt Ion: 99 Resp: 12980
Ion Ratio Lower Upper
99 100
42 23.7 16.6 25.0
71 38.3 29.0 43.4

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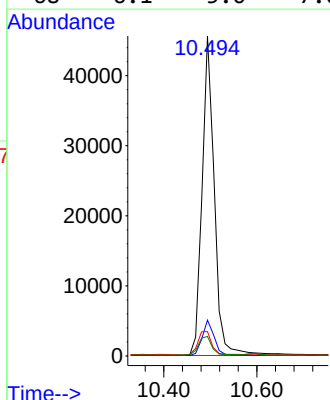
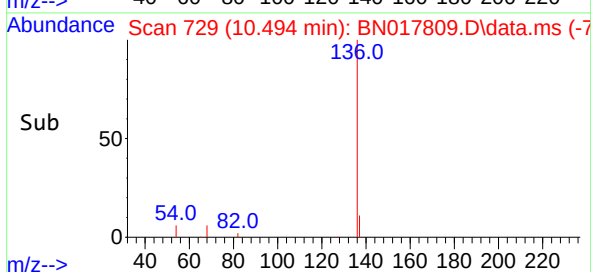
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Supervised By :mohammad ahmed 12/15/2021

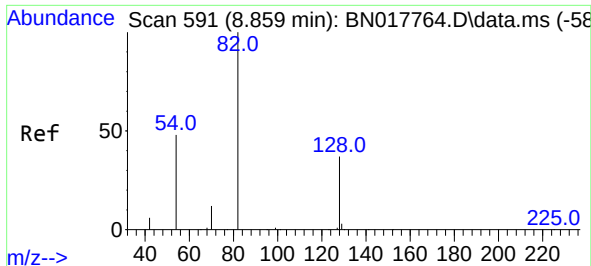


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49



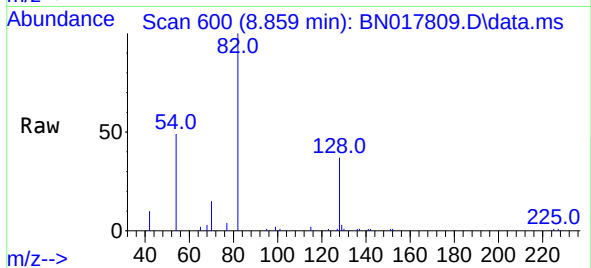
Tgt Ion:136 Resp: 83788
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.6 5.9 8.9
68 6.1 5.0 7.6





#8
Nitrobenzene-d5
Concen: 0.339 ng m
RT: 8.859 min Scan# 60
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

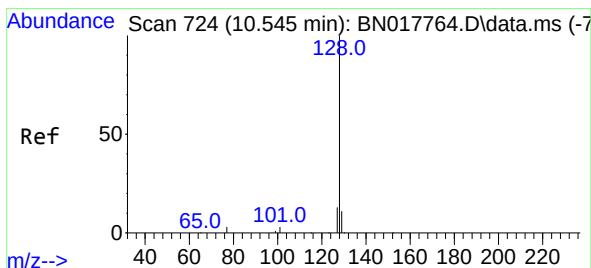
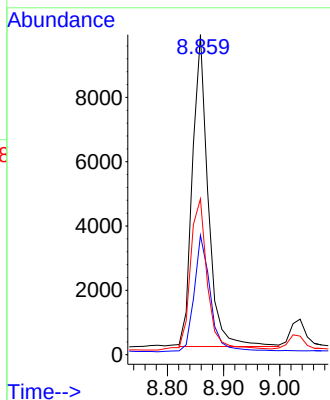
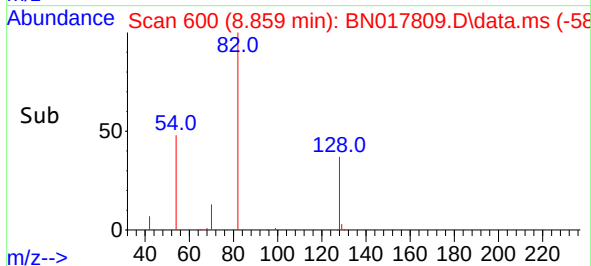
Instrument :
BNA_N
ClientSampleId :
P4-COMP



Tgt Ion: 82 Resp: 1886
Ion Ratio Lower Upper
82 100
128 37.3 30.2 45.2
54 48.7 39.0 58.6

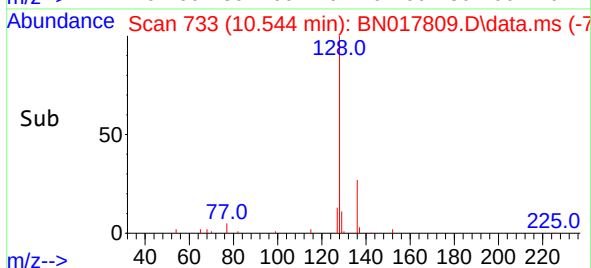
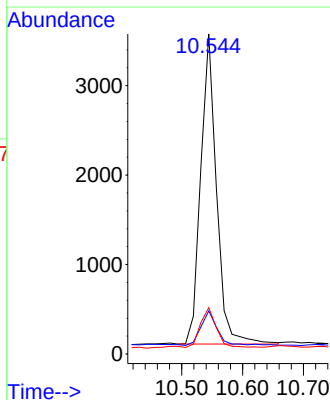
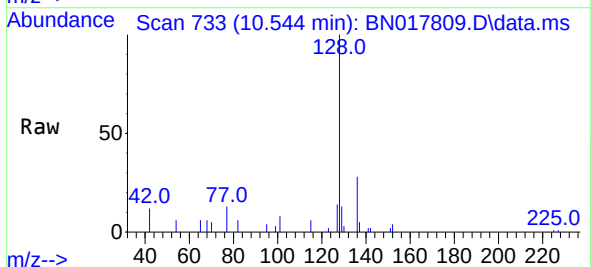
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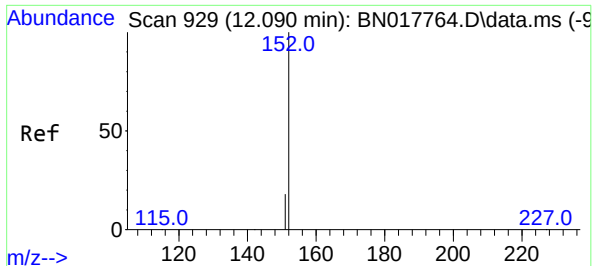
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#9
Naphthalene
Concen: 0.029 ng
RT: 10.544 min Scan# 733
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

Tgt Ion:128 Resp: 6271
Ion Ratio Lower Upper
128 100
129 13.4 8.8 13.2#
127 14.4 10.6 15.8





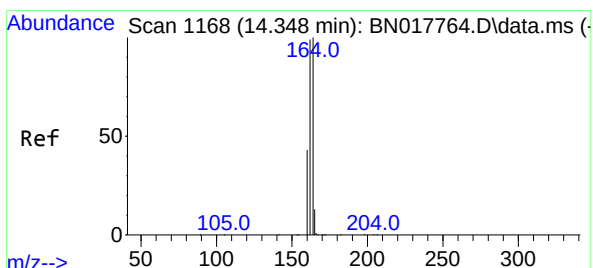
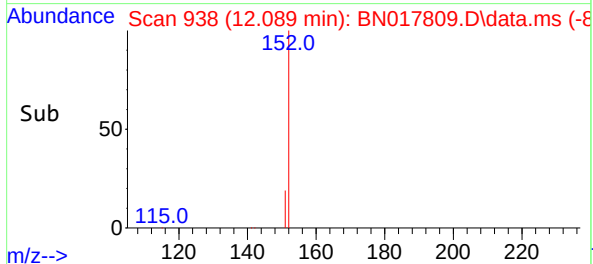
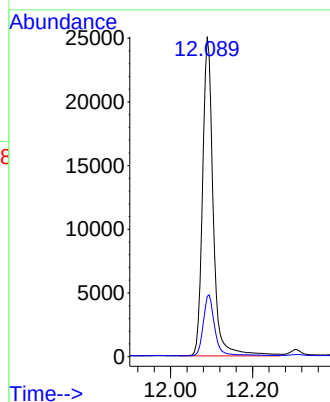
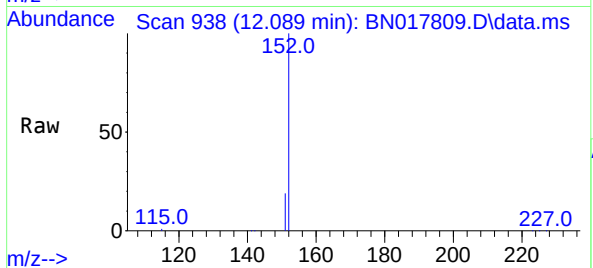
#11
2-Methylnaphthalene-d10
Concen: 0.269 ng
RT: 12.089 min Scan# 911
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

Instrument :
BNA_N
ClientSampleId :
P4-COMP

Tgt Ion:152 Resp: 45000
Ion Ratio Lower Upper
152 100
151 20.5 16.4 24.6

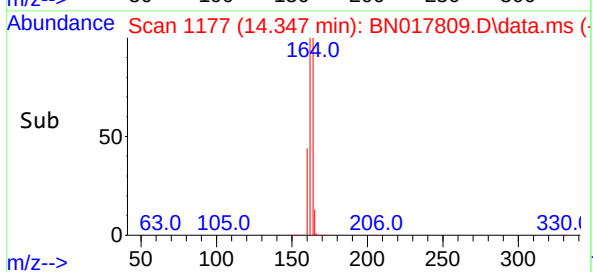
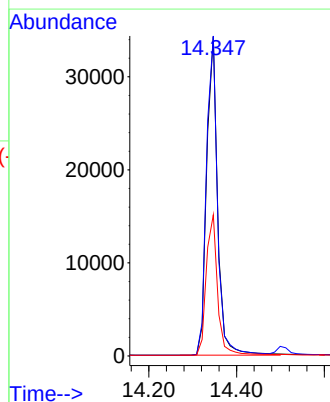
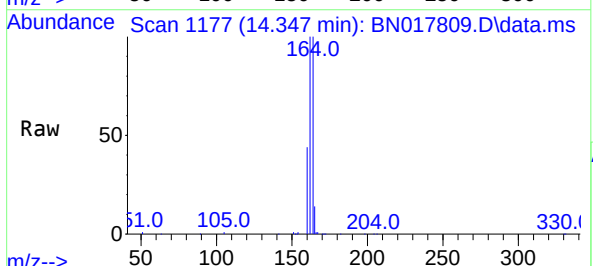
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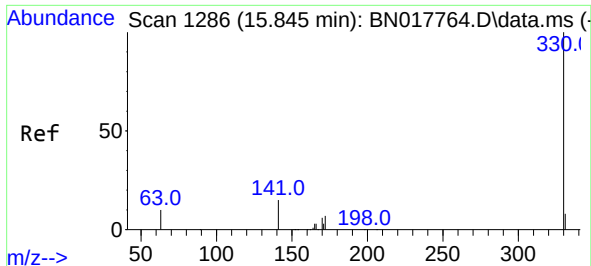
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Supervised By :mohammad ahmed 12/15/2021



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.347 min Scan# 1177
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

Tgt Ion:164 Resp: 59021
Ion Ratio Lower Upper
164 100
162 100.2 79.0 118.6
160 44.2 34.6 52.0





#14
2,4,6-Tribromophenol
Concen: 0.051 ng
RT: 15.844 min Scan# 1286
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

Instrument :

BNA_N

ClientSampleId :

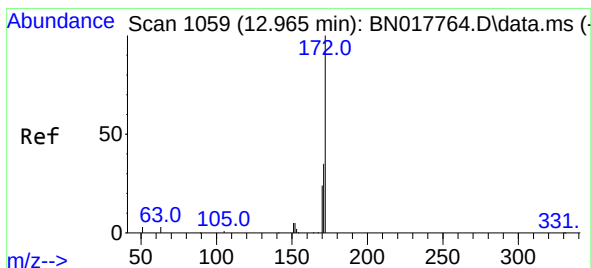
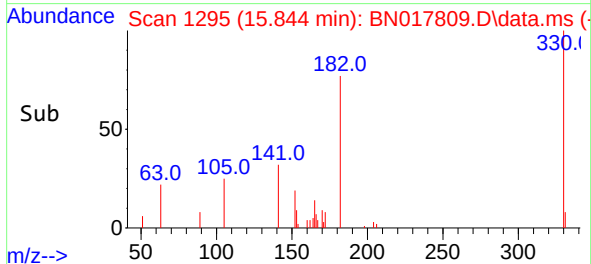
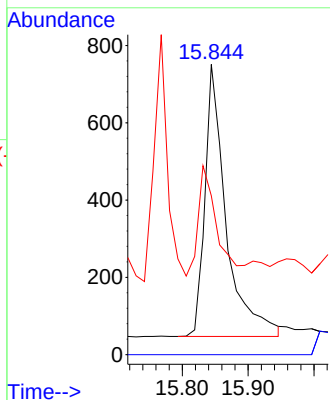
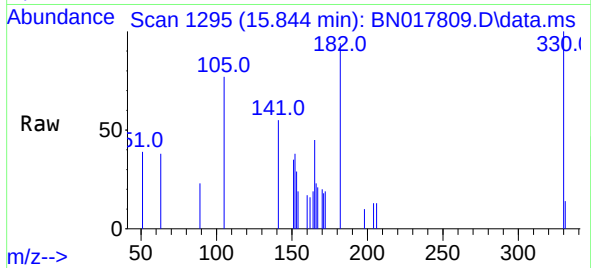
P4-COMP

Tgt Ion:330 Resp: 1570
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.6 21.5 32.3

Manual Integrations

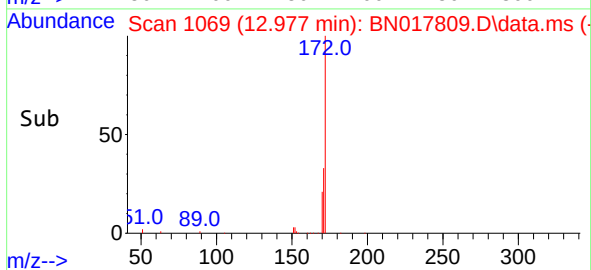
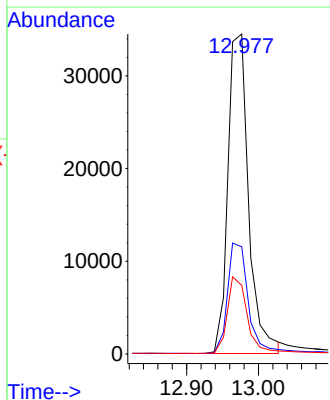
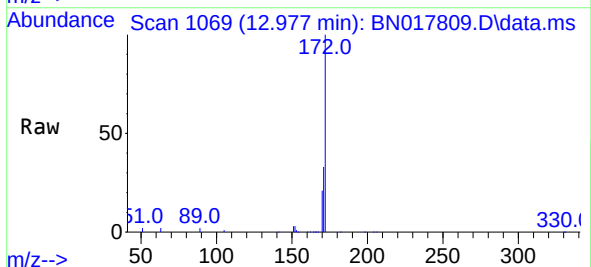
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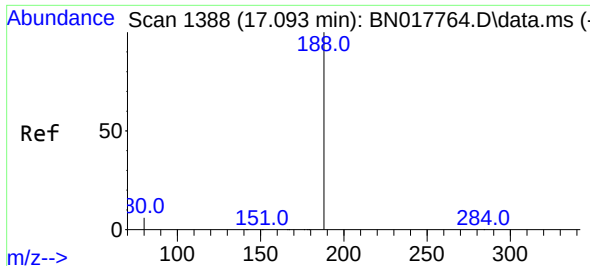
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Supervised By :mohammad ahmed 12/15/2021



#15
2-Fluorobiphenyl
Concen: 0.319 ng
RT: 12.977 min Scan# 1069
Delta R.T. 0.012 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

Tgt Ion:172 Resp: 68997
Ion Ratio Lower Upper
172 100
171 33.5 28.1 42.1
170 21.4 18.9 28.3





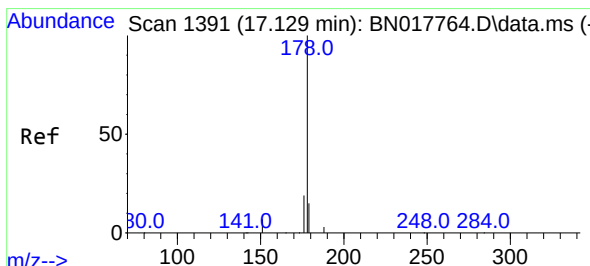
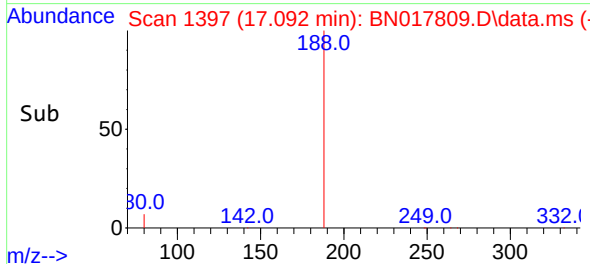
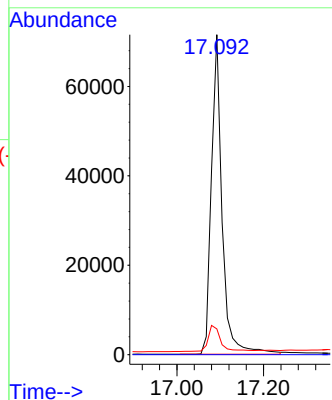
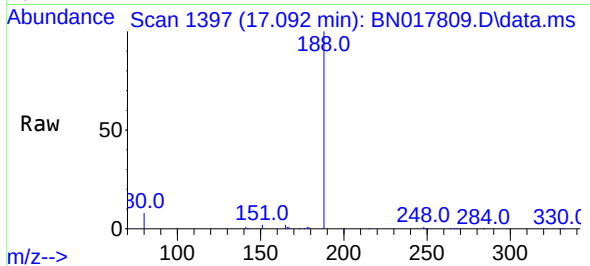
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Phenanthrene-d10
Concen: 0.400 ng
RT: 17.092 min Scan# 11
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

Instrument :
BNA_N
ClientSampleId :
P4-COMP

Tgt Ion:188 Resp: 12235
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.1 5.1 7.7

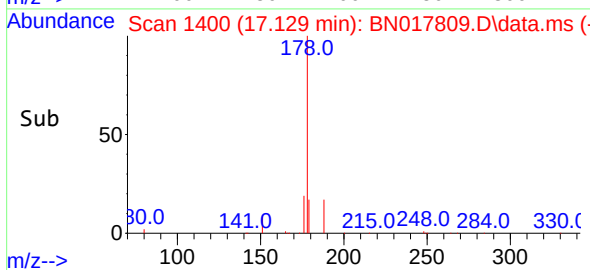
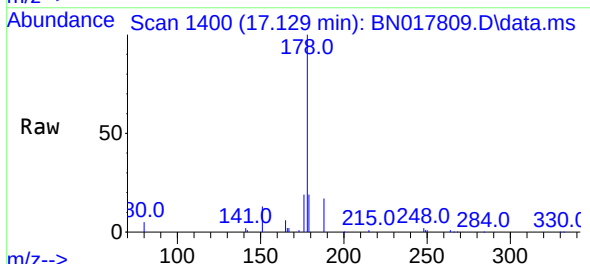
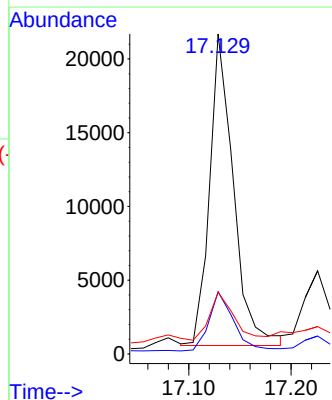
Manual Integrations
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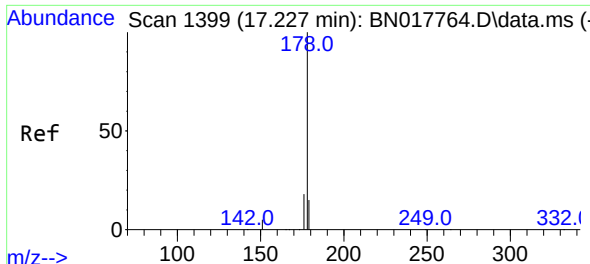
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#25
Phenanthrene
Concen: 0.106 ng m
RT: 17.129 min Scan# 1400
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

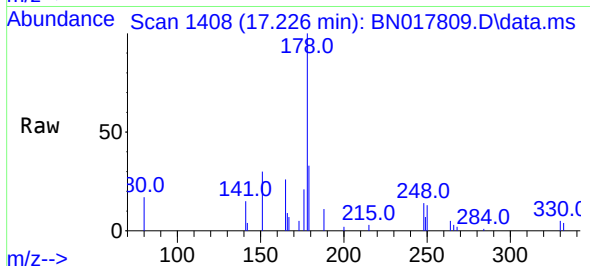
Tgt Ion:178 Resp: 34192
Ion Ratio Lower Upper
178 100
176 20.4 15.0 22.6
179 22.5 12.5 18.7





#26
 Anthracene
 Concen: 0.028 ng
 RT: 17.226 min Scan# 1408
 Delta R.T. -0.001 min
 Lab File: BN017809.D
 Acq: 08 Dec 2021 20:49

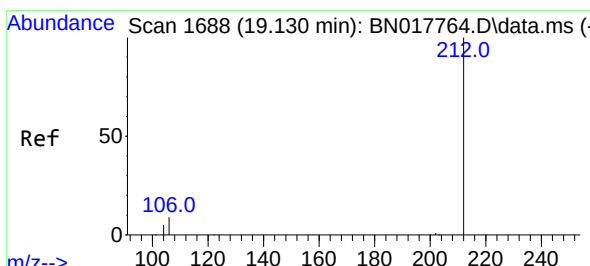
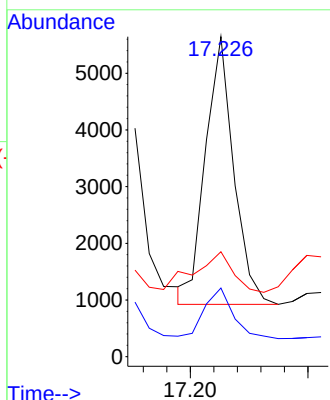
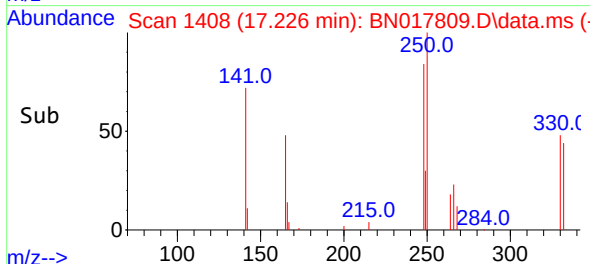
Instrument :
 BNA_N
 ClientSampleId :
 P4-COMP



Tgt Ion:178 Resp: 786
 Ion Ratio Lower Upper
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 176 19.2 14.5 21.7
 179 20.6 12.2 18.4

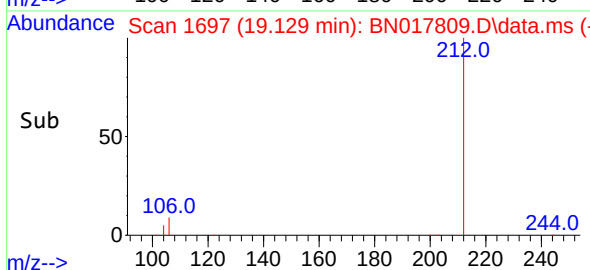
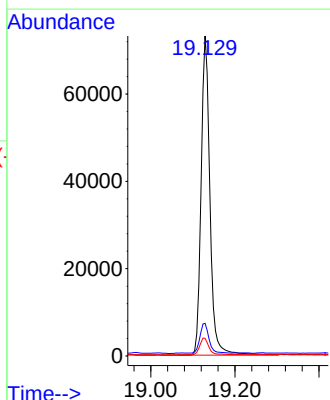
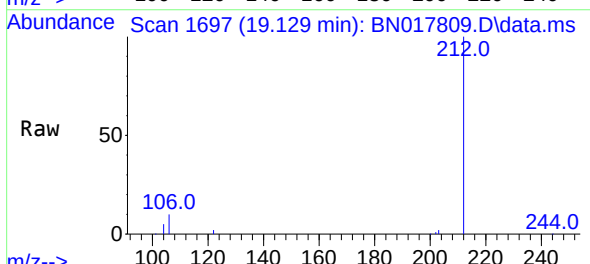
Manual Integrations
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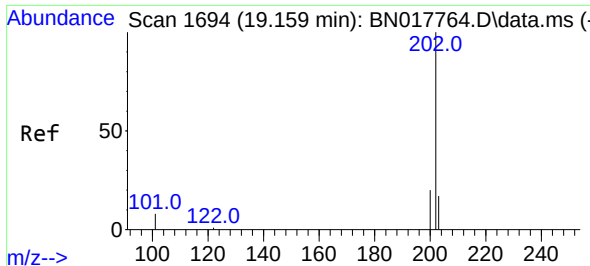
Reviewed By :Jagrut Upadhyay 12/09/2021
 Supervised By :mohammad ahmed 12/15/2021



#27
 Fluoranthene-d10
 Concen: 0.262 ng
 RT: 19.129 min Scan# 1697
 Delta R.T. -0.001 min
 Lab File: BN017809.D
 Acq: 08 Dec 2021 20:49

Tgt Ion:212 Resp: 107131
 Ion Ratio Lower Upper
 212 100
 106 9.5 8.2 12.2
 104 5.4 4.6 6.8





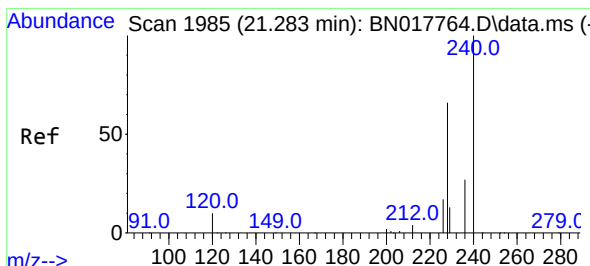
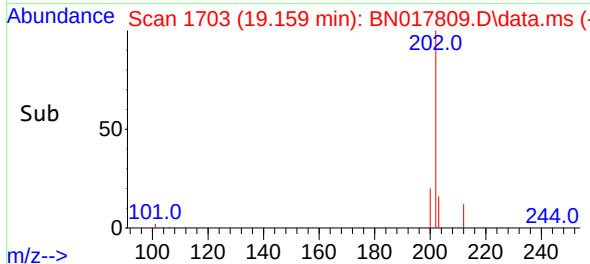
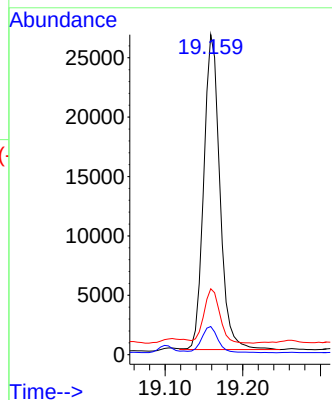
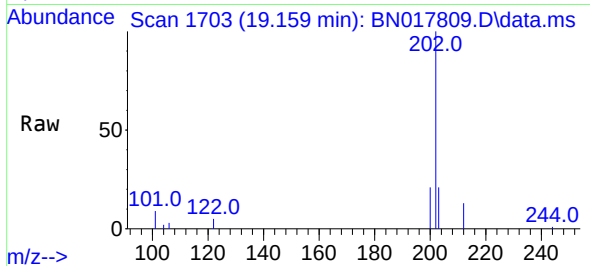
#28
Fluoranthene
Concen: 0.098 ng
RT: 19.159 min Scan# 11
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

Instrument :
BNA_N
ClientSampleId :
P4-COMP

Tgt Ion:202 Resp: 3826
Ion Ratio Lower Upper
202 100
101 8.6 7.2 10.8
203 17.2 13.7 20.5

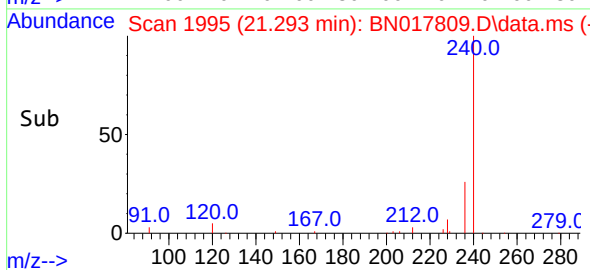
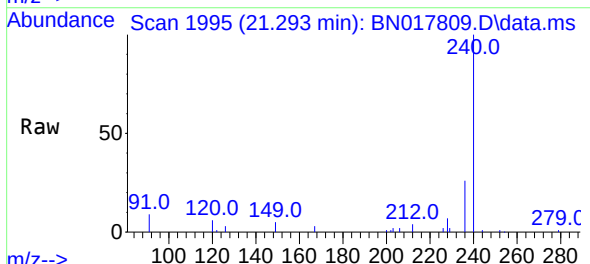
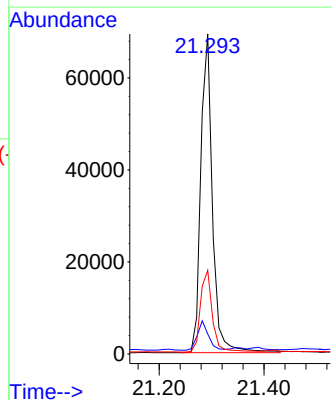
Manual Integrations
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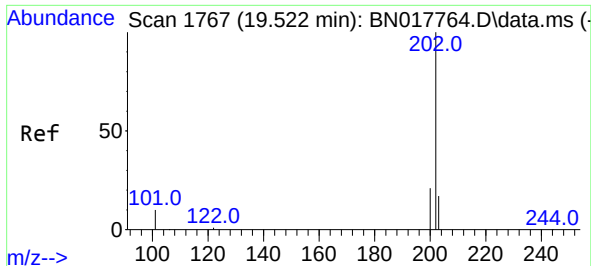
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 1995
Delta R.T. 0.010 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

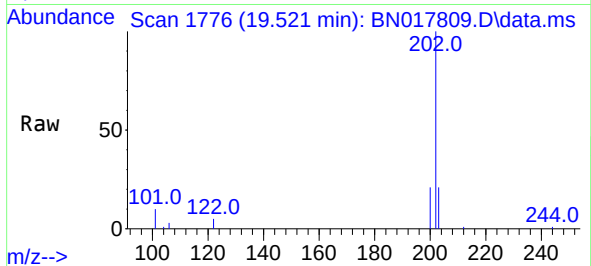
Tgt Ion:240 Resp: 107405
Ion Ratio Lower Upper
240 100
120 6.3 7.9 11.9#
236 26.2 21.4 32.2





#30
Pyrene
Concen: 0.101 ng
RT: 19.521 min Scan# 11
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

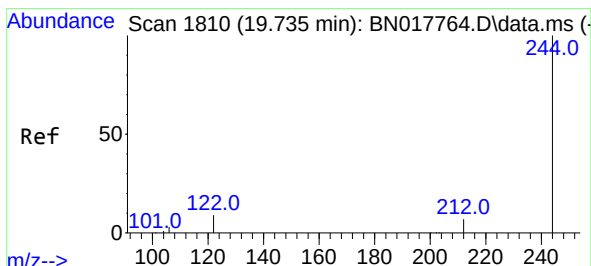
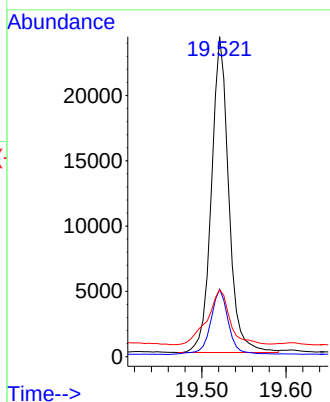
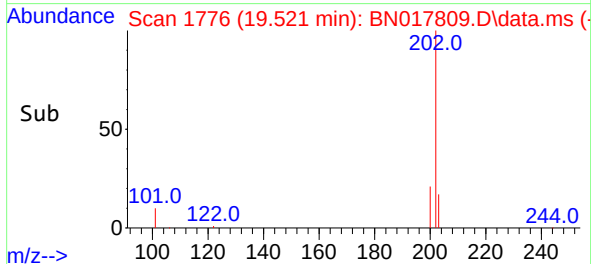
Instrument :
BNA_N
ClientSampleId :
P4-COMP



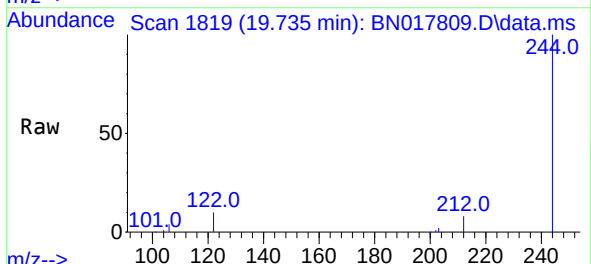
Tgt Ion:202 Resp: 34470
Ion Ratio Lower Upper
202 100
200 21.1 16.5 24.7
203 22.9 14.0 21.0

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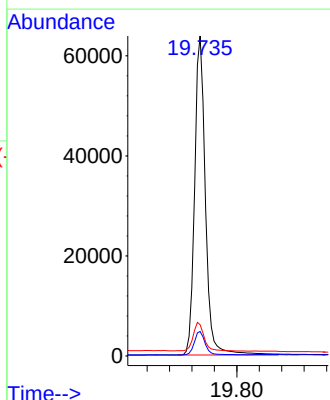
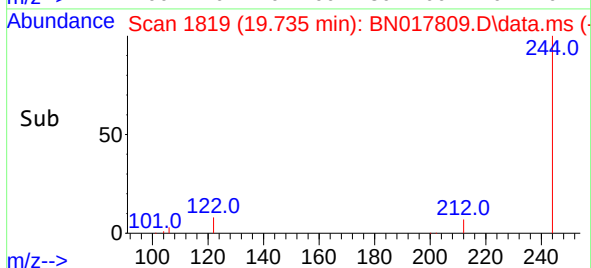
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

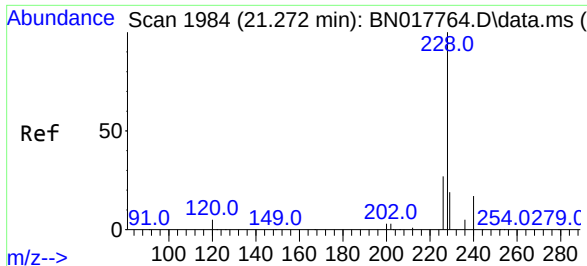


#31
Terphenyl-d14
Concen: 0.370 ng
RT: 19.735 min Scan# 1819
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49



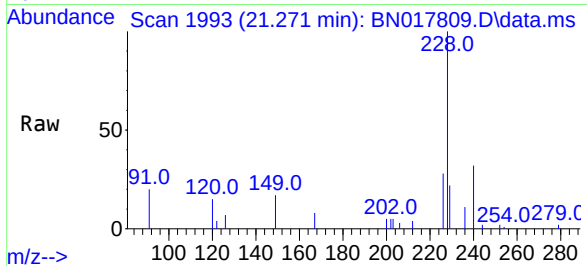
Tgt Ion:244 Resp: 85434
Ion Ratio Lower Upper
244 100
212 7.7 5.8 8.8
122 9.8 7.1 10.7





#32
Benzo(a)anthracene
Concen: 0.111 ng
RT: 21.271 min Scan# 1984
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

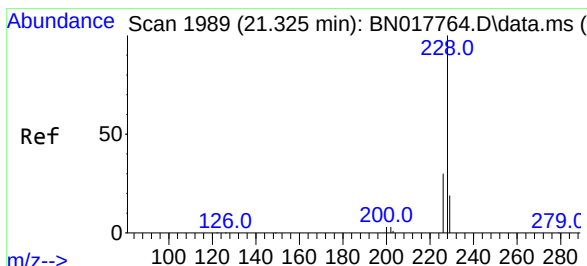
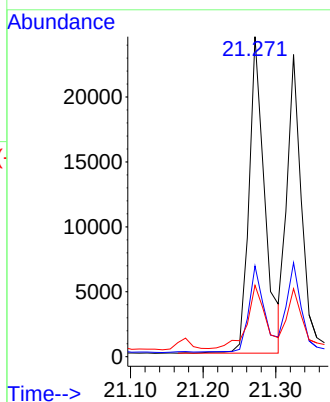
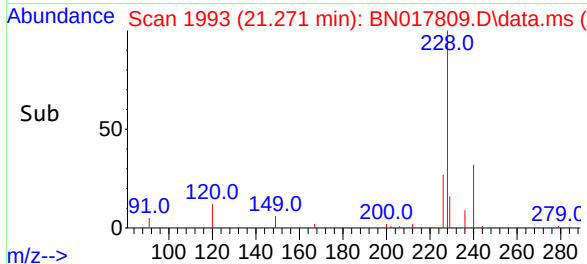
Instrument :
BNA_N
ClientSampleId :
P4-COMP



Tgt Ion:228 Resp: 36762
Ion Ratio Lower Upper
228 100
226 28.4 21.4 32.0
229 22.3 15.7 23.5

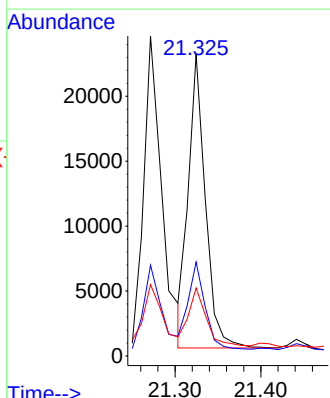
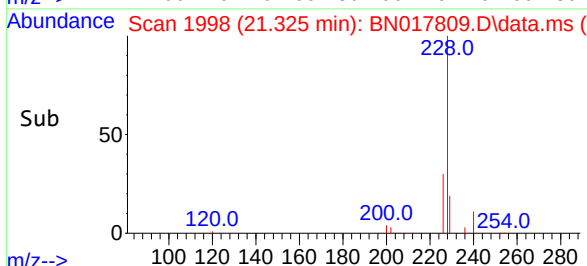
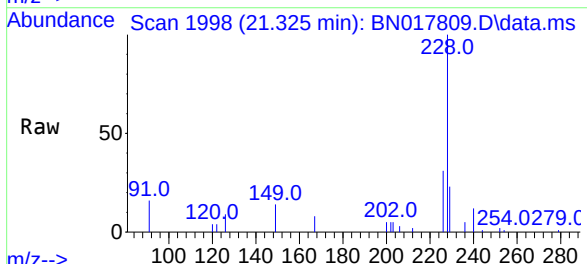
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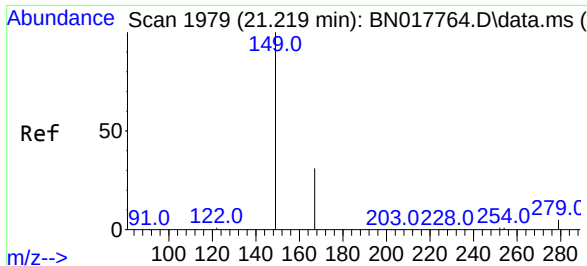
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#33
Chrysene
Concen: 0.091 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

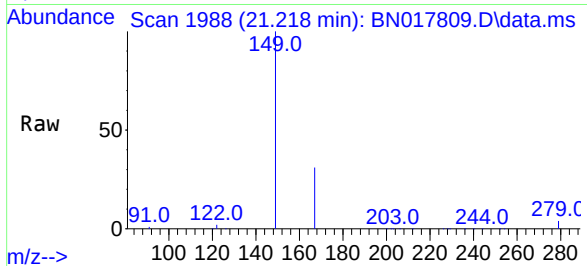
Tgt Ion:228 Resp: 31272
Ion Ratio Lower Upper
228 100
226 31.1 23.6 35.4
229 22.5 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 3.900 ng
RT: 21.218 min Scan# 1979
Delta R.T. -0.001 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

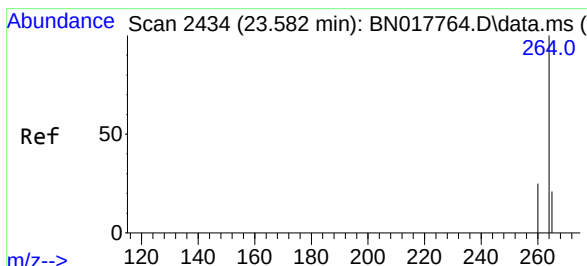
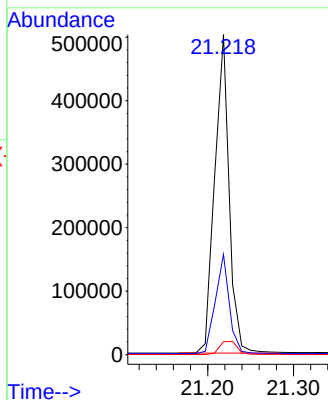
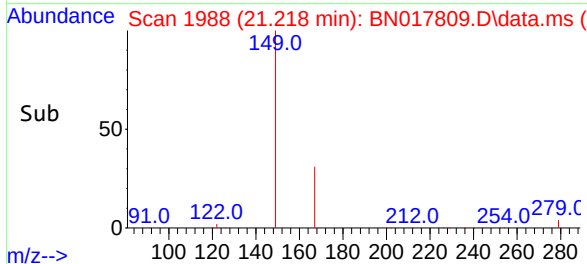
Instrument :
BNA_N
ClientSampleId :
P4-COMP



Tgt Ion:149 Resp: 584229
Ion Ratio Lower Upper
149 100
167 30.4 23.5 35.3
279 5.1 3.8 5.6

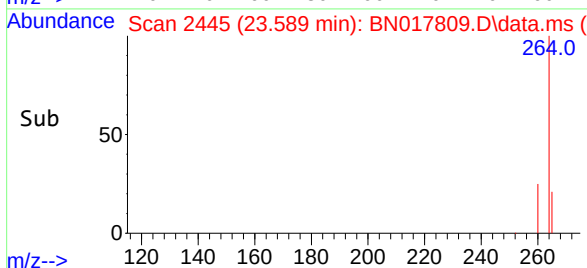
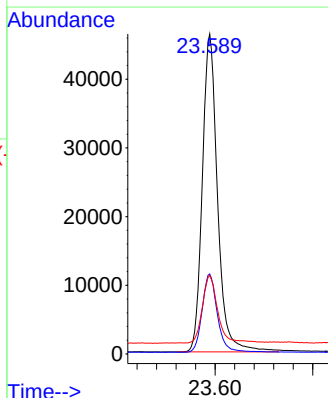
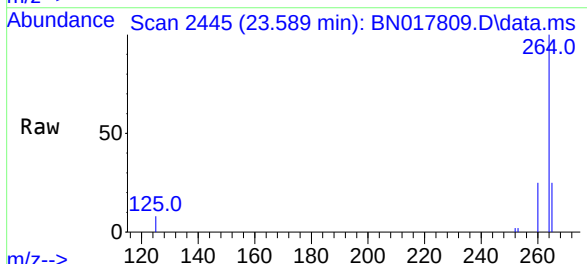
Manual Integrations
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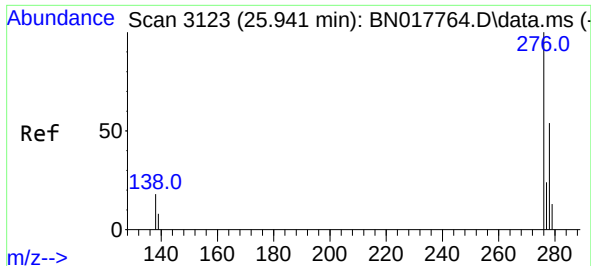
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.589 min Scan# 2445
Delta R.T. 0.006 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

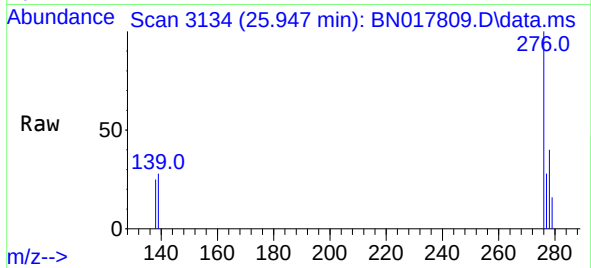
Tgt Ion:264 Resp: 100199
Ion Ratio Lower Upper
264 100
260 25.0 20.0 30.0
265 24.6 20.5 30.7





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.057 ng
RT: 25.947 min Scan# 3123
Delta R.T. 0.006 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

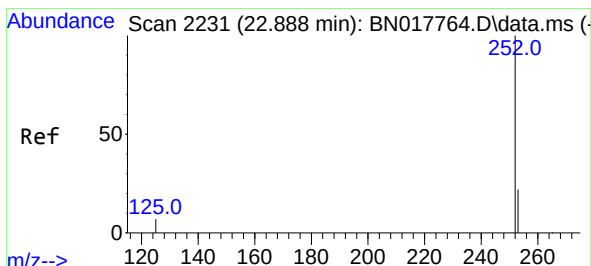
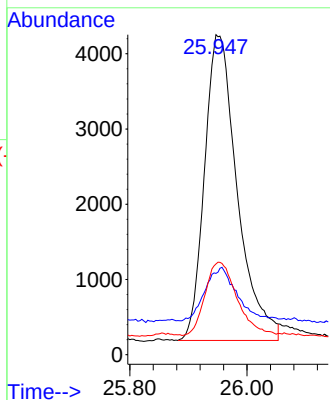
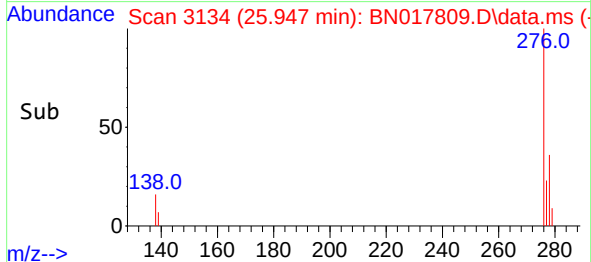
Instrument :
BNA_N
ClientSampleId :
P4-COMP



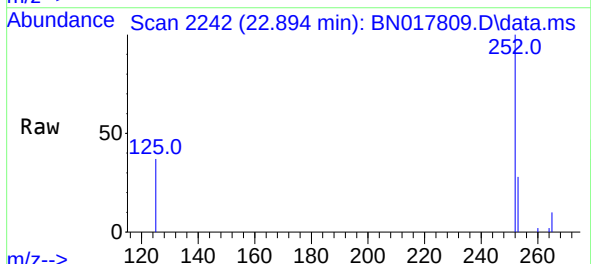
Tgt Ion:276 Resp: 1576
Ion Ratio Lower Upper
276 100
138 16.8 15.0 22.4
277 23.4 19.8 29.8

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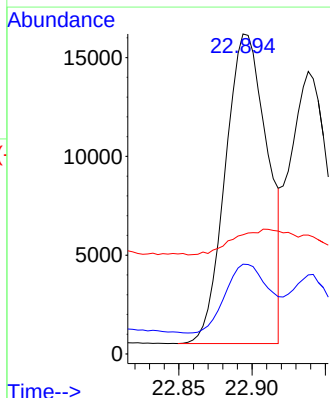
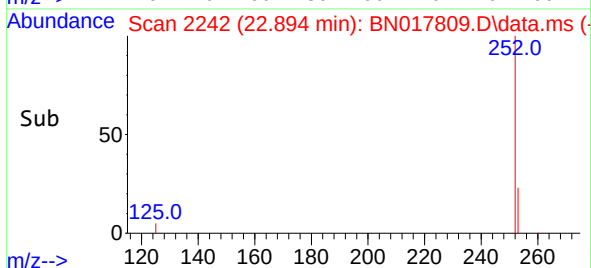
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

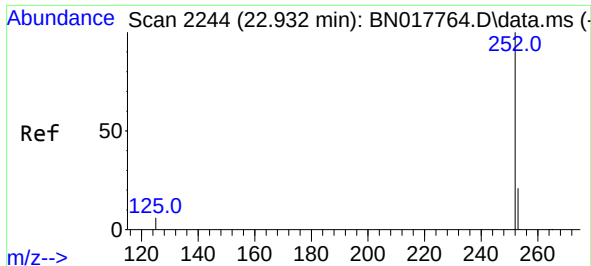


#37
Benzo(b)fluoranthene
Concen: 0.092 ng
RT: 22.894 min Scan# 2242
Delta R.T. 0.006 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49



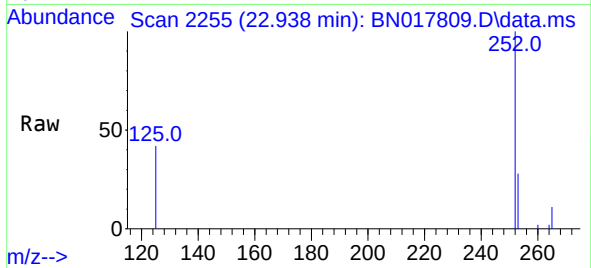
Tgt Ion:252 Resp: 31387
Ion Ratio Lower Upper
252 100
253 28.1 17.7 26.5#
125 37.3 6.2 9.2#





#38
Benzo(k)fluoranthene
Concen: 0.073 ng
RT: 22.938 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

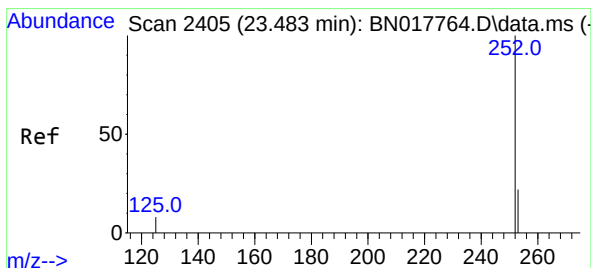
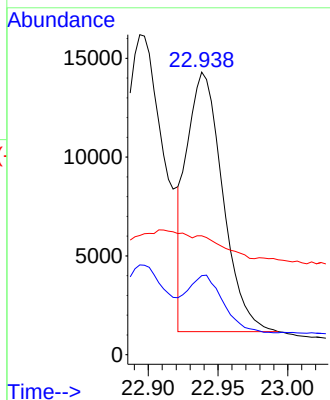
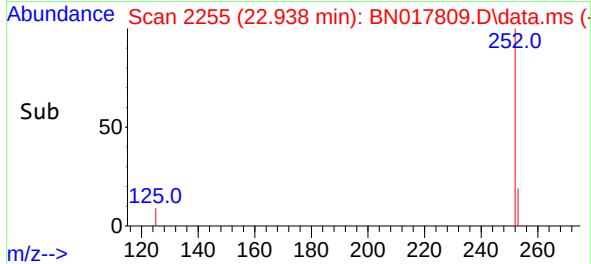
Instrument :
BNA_N
ClientSampleId :
P4-COMP



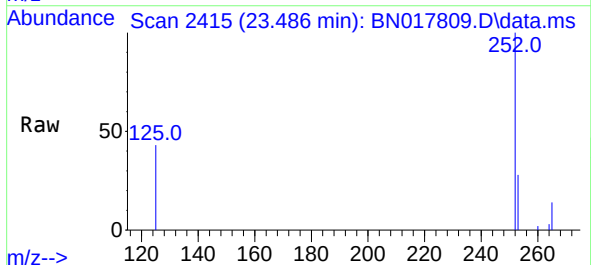
Tgt Ion:252 Resp: 23570
Ion Ratio Lower Upper
252 100
253 28.0 17.8 26.6
125 42.1 6.2 9.2

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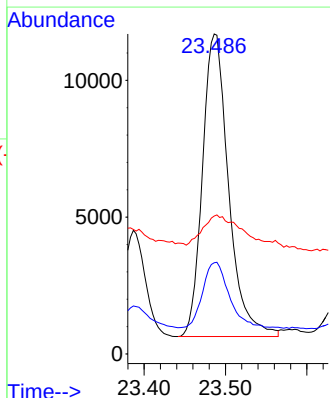
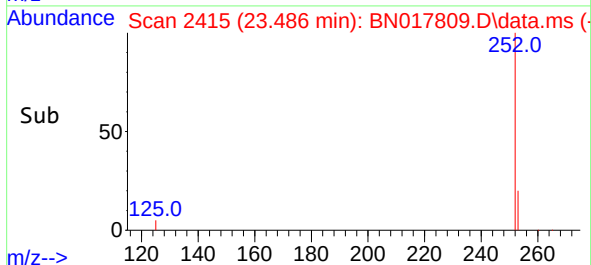
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

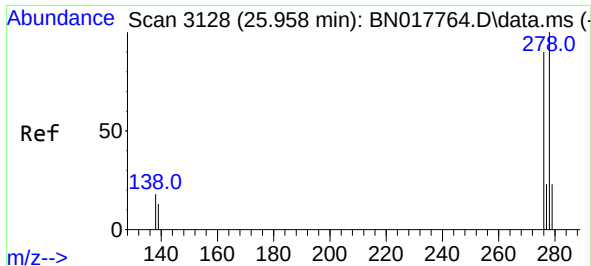


#39
Benzo(a)pyrene
Concen: 0.081 ng
RT: 23.486 min Scan# 2415
Delta R.T. 0.003 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49



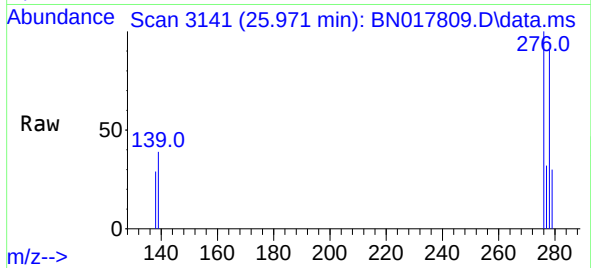
Tgt Ion:252 Resp: 24732
Ion Ratio Lower Upper
252 100
253 28.5 18.1 27.1#
125 43.1 7.0 10.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.047 ng
RT: 25.971 min Scan# 3128
Delta R.T. 0.013 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49

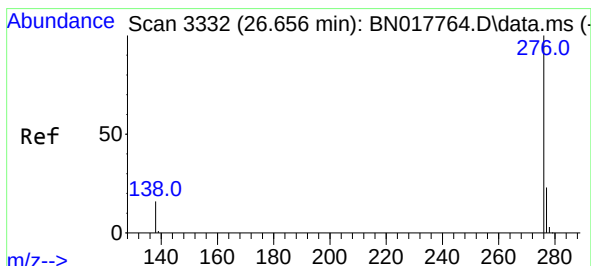
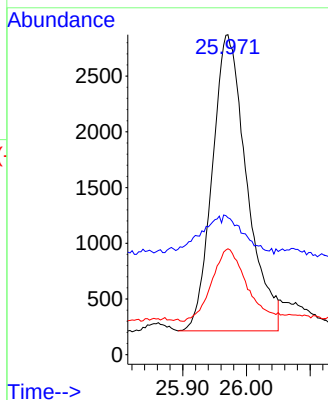
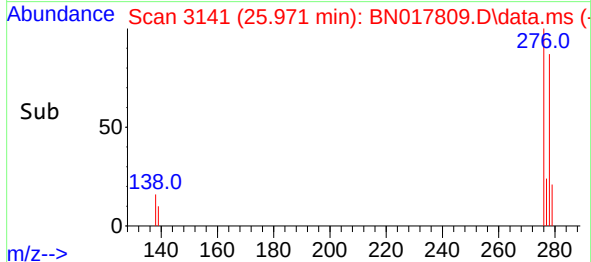
Instrument :
BNA_N
ClientSampleId :
P4-COMP



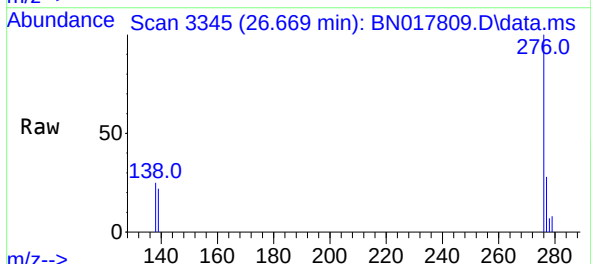
Tgt Ion:278 Resp: 10010
Ion Ratio Lower Upper
278 100
139 42.8 10.8 16.2
279 33.1 19.1 28.7

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



#41
Benzo(g,h,i)perylene
Concen: 0.059 ng
RT: 26.669 min Scan# 3345
Delta R.T. 0.013 min
Lab File: BN017809.D
Acq: 08 Dec 2021 20:49



Tgt Ion:276 Resp: 13715
Ion Ratio Lower Upper
276 100
277 28.1 19.1 28.7
138 24.8 13.2 19.8

