

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120821\
 Data File : BN017808.D
 Acq On : 08 Dec 2021 20:13
 Operator : CG/JU
 Sample : M4966-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P2-COMP

Quant Time: Dec 09 11:05:11 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	7.715	152	20915	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	84501	0.400	ng	0.00
13) Acenaphthene-d10	14.347	164	60252	0.400	ng	0.00
19) Phenanthrene-d10	17.092	188	125251	0.400	ng	# 0.00
29) Chrysene-d12	21.293	240	110798	0.400	ng	# 0.01
35) Perylene-d12	23.589	264	102638	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.345	112	13273	0.263	ng	0.02
5) Phenol-d6	6.912	99	12331	0.258	ng	0.00
8) Nitrobenzene-d5	8.859	82	17982m	0.320	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	43389	0.257	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	2620	0.083	ng	0.00
15) 2-Fluorobiphenyl	12.977	172	65641	0.298	ng	0.01
27) Fluoranthene-d10	19.129	212	105790	0.253	ng	0.00
31) Terphenyl-d14	19.735	244	87255	0.367	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.280	88	247	0.032	ng	# 100
9) Naphthalene	10.545	128	6832	0.031	ng	# 95
12) 2-Methylnaphthalene	12.165	142	3777	0.024	ng	97
17) Acenaphthene	14.411	154	3612	0.023	ng	96
18) Fluorene	15.400	166	4934	0.024	ng	# 92
25) Phenanthrene	17.129	178	67100m	0.204	ng	
26) Anthracene	17.226	178	11189	0.039	ng	# 96
28) Fluoranthene	19.159	202	65917	0.165	ng	99
30) Pyrene	19.521	202	66153	0.188	ng	# 93
32) Benzo(a)anthracene	21.272	228	50761	0.149	ng	95
33) Chrysene	21.325	228	44087	0.124	ng	96
34) Bis(2-ethylhexyl)phtha...	21.219	149	523632	3.388	ng	98
36) Indeno(1,2,3-cd)pyrene	25.951	276	19359	0.068	ng	96
37) Benzo(b)fluoranthene	22.898	252	44183	0.127	ng	# 76
38) Benzo(k)fluoranthene	22.939	252	27999	0.085	ng	# 71
39) Benzo(a)pyrene	23.486	252	32784	0.105	ng	# 76
40) Dibenzo(a,h)anthracene	25.968	278	10881	0.049	ng	# 65
41) Benzo(g,h,i)perylene	26.673	276	17612	0.074	ng	# 90

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

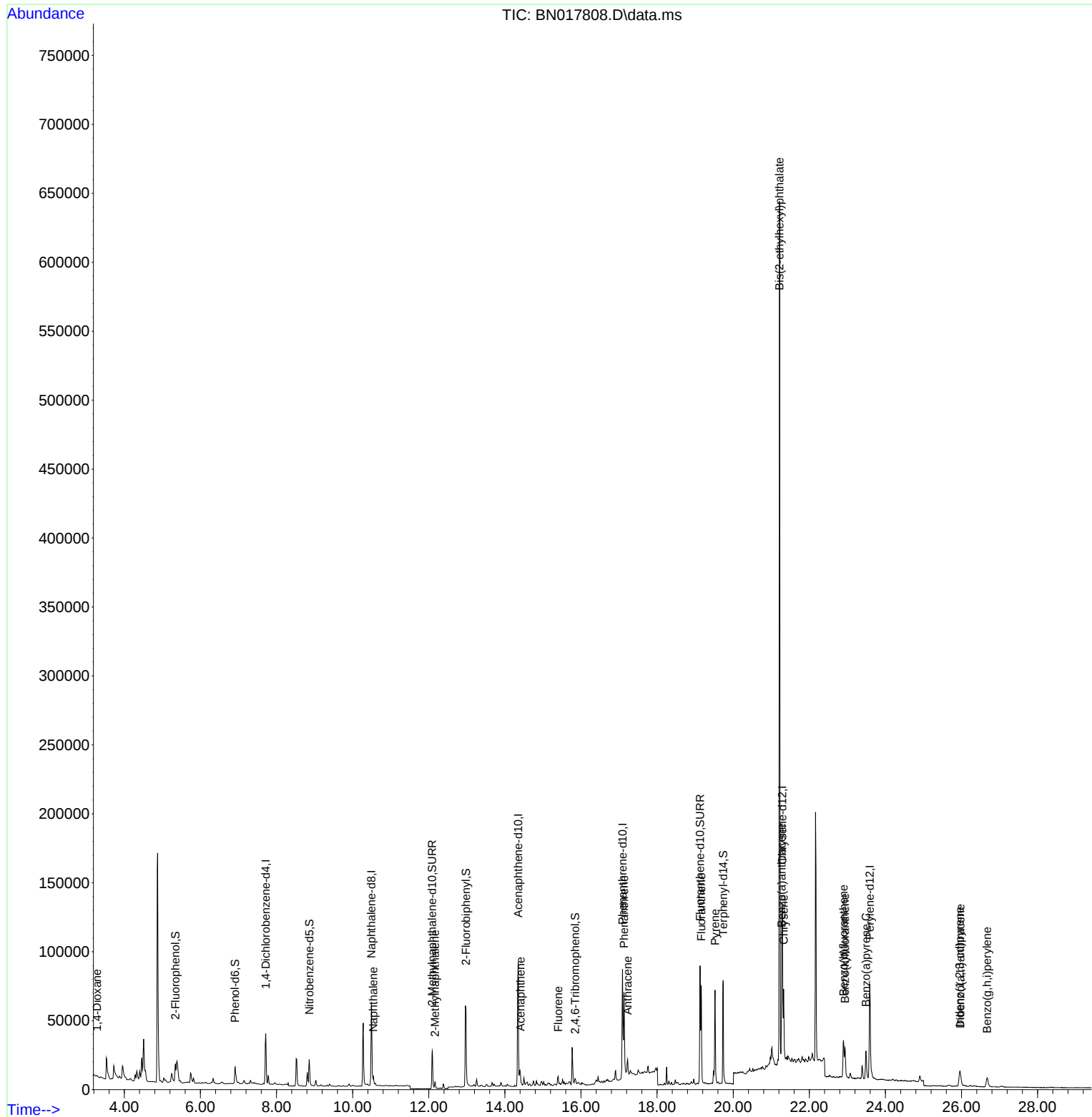
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120821\
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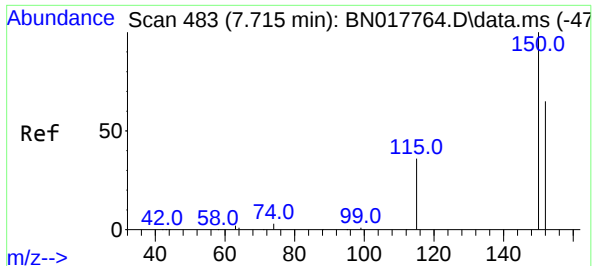
Instrument :
BNA_N
ClientSampleId :
P2-COMP

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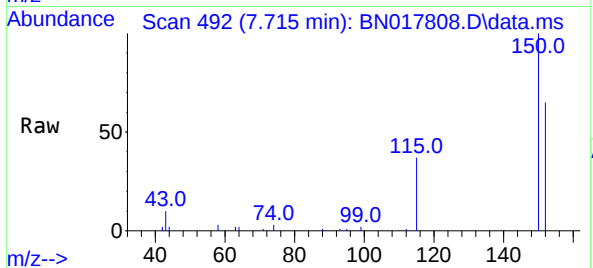
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.715 min Scan# 491
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Instrument :

BNA_N

ClientSampleId :

P2-COMP

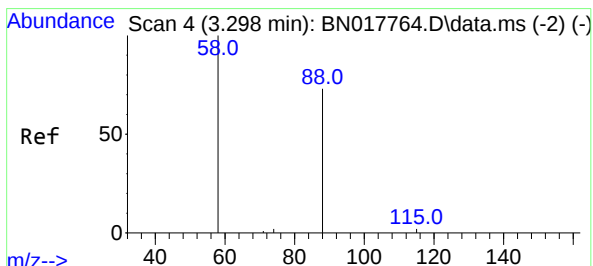
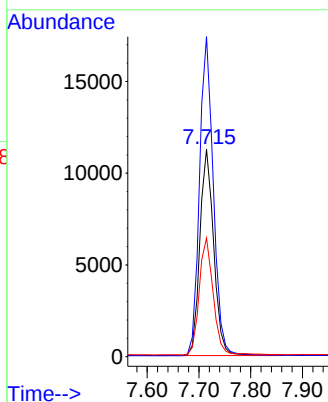
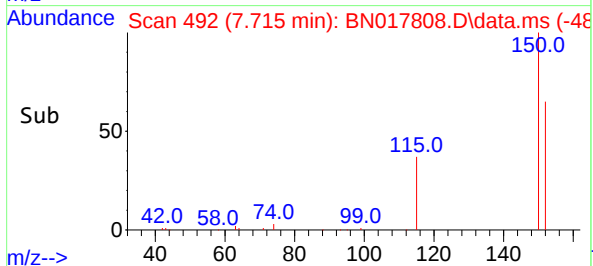


Tgt Ion:152 Resp: 20915
Ion Ratio Lower Upper
152 100
150 154.1 123.0 184.4
115 57.2 45.3 67.9

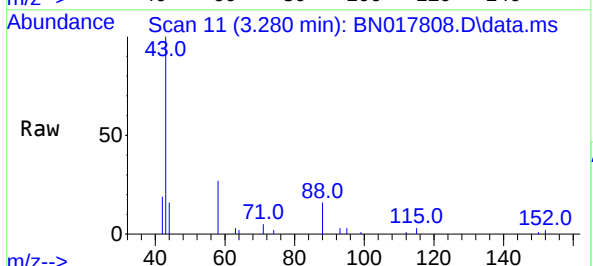
Manual Integrations

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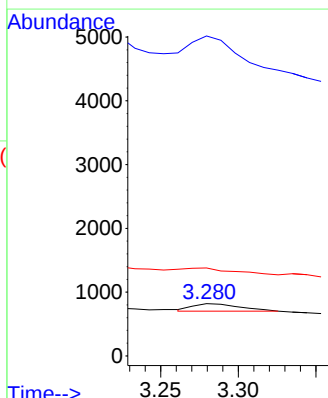
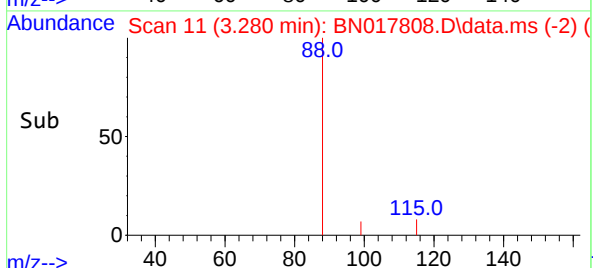
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

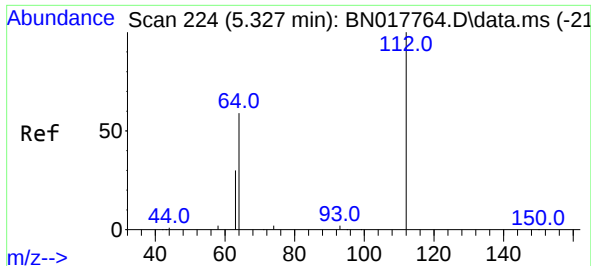


#2
1,4-Dioxane
Concen: 0.032 ng
RT: 3.280 min Scan# 11
Delta R.T. -0.019 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13



Tgt Ion: 88 Resp: 247
Ion Ratio Lower Upper
88 100
43 482.6 0.0 0.0#
58 0.0 0.0 0.0





#4
2-Fluorophenol
Concen: 0.263 ng
RT: 5.345 min Scan# 21
Delta R.T. 0.018 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Instrument :

BNA_N

ClientSampleId :

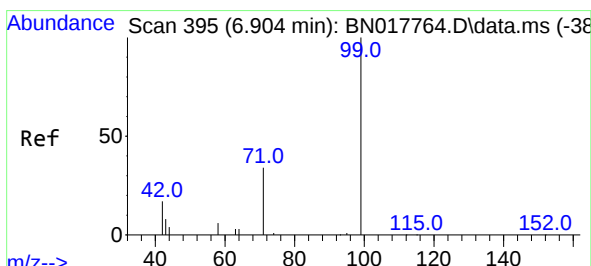
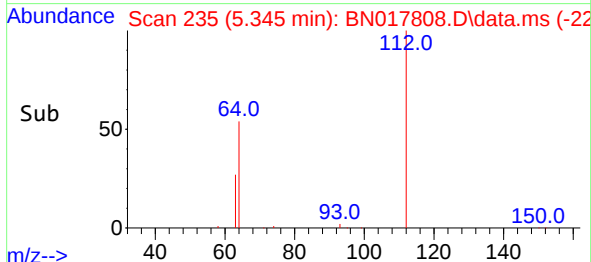
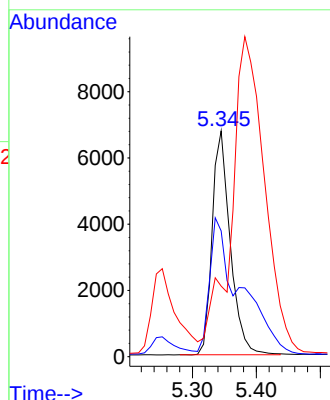
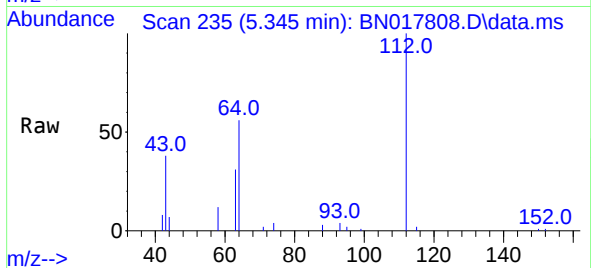
P2-COMP

Tgt Ion:112 Resp: 1327
Ion Ratio Lower Upper
112 100
64 97.3 49.3 73.9
63 0.0 25.8 38.8

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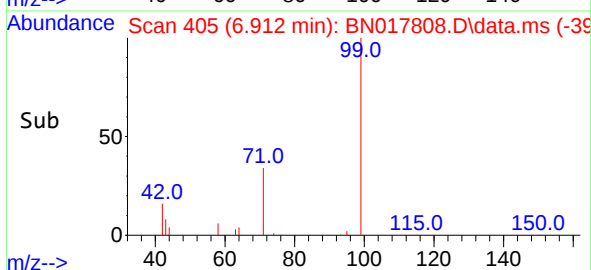
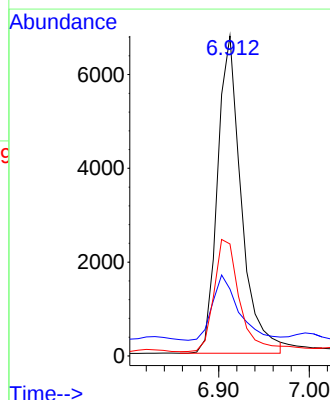
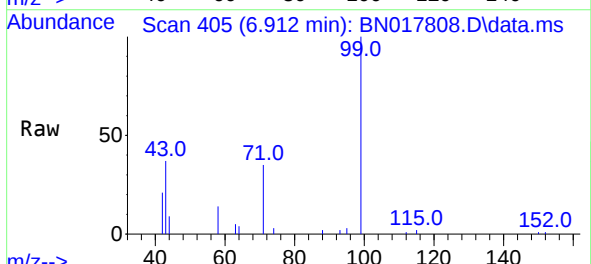
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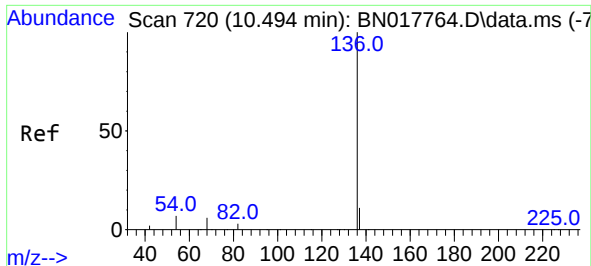
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#5
Phenol-d6
Concen: 0.258 ng
RT: 6.912 min Scan# 405
Delta R.T. 0.009 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion: 99 Resp: 12331
Ion Ratio Lower Upper
99 100
42 22.7 16.6 25.0
71 37.9 29.0 43.4





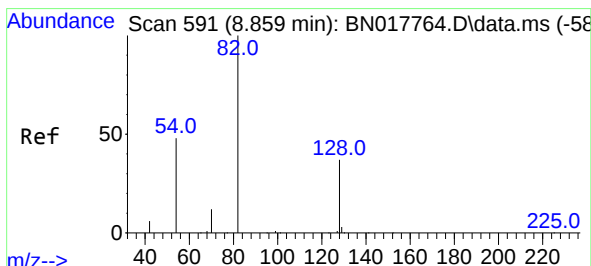
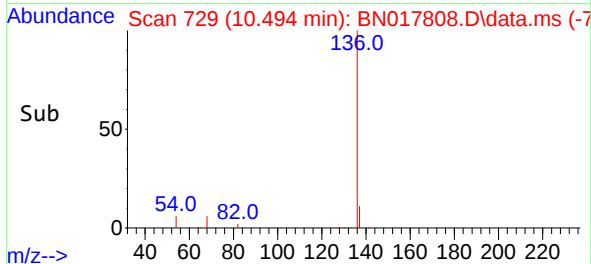
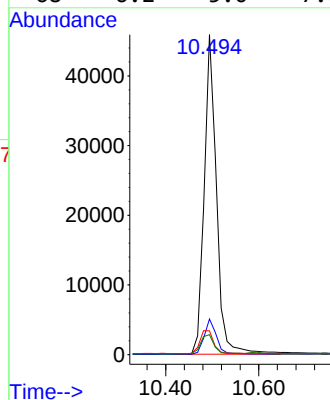
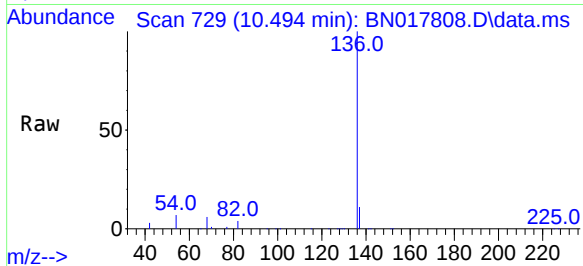
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Instrument :
BNA_N
ClientSampleId :
P2-COMP

Tgt Ion:	136	Resp:	8450
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.4	5.9	8.9
68	6.2	5.0	7.6

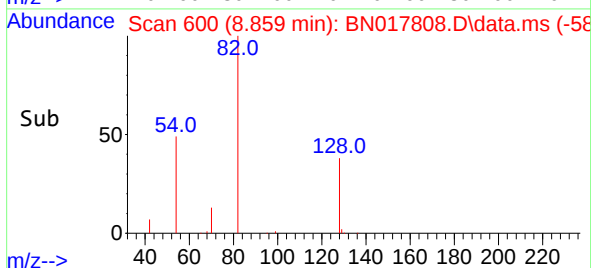
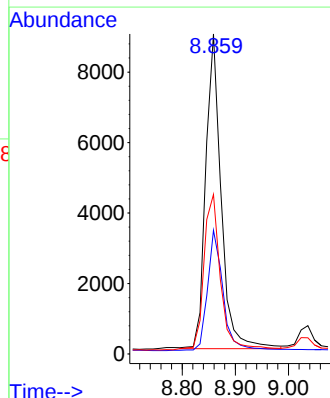
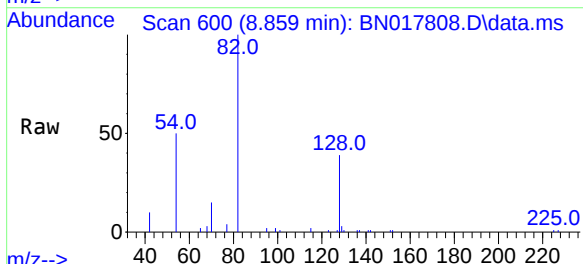
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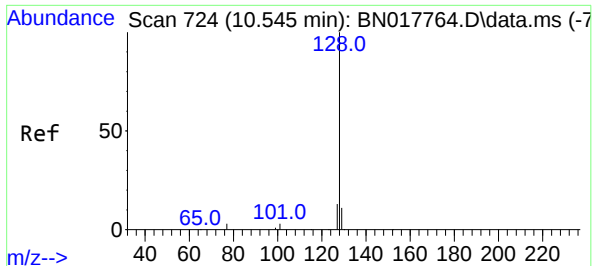
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#8
Nitrobenzene-d5
Concen: 0.320 ng m
RT: 8.859 min Scan# 600
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion:	82	Resp:	17982
Ion Ratio	Lower	Upper	
82	100		
128	38.6	30.2	45.2
54	49.9	39.0	58.6





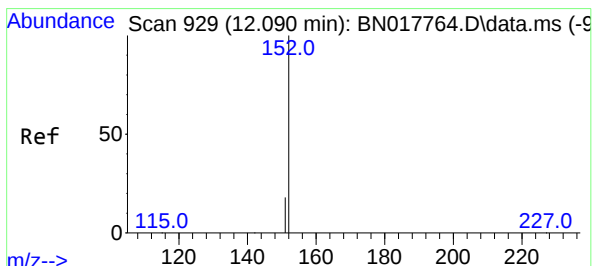
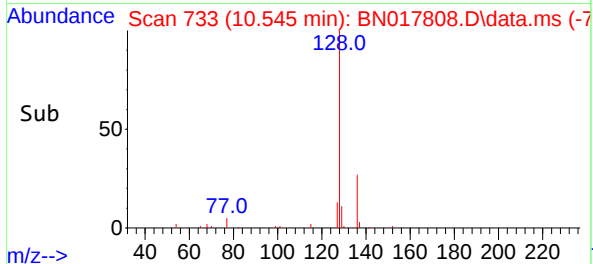
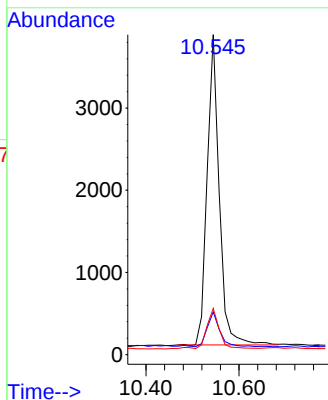
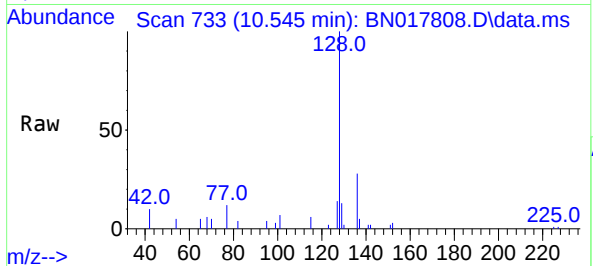
#9
Naphthalene
Concen: 0.031 ng
RT: 10.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Instrument :
BNA_N
ClientSampleId :
P2-COMP

Tgt Ion:128 Resp: 683
Ion Ratio Lower Upper
128 100
129 13.3 8.8 13.2
127 14.5 10.6 15.8

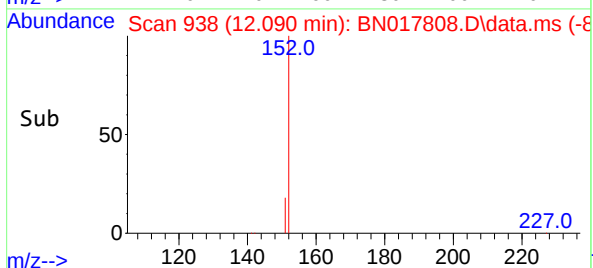
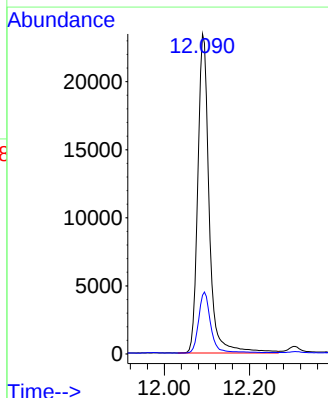
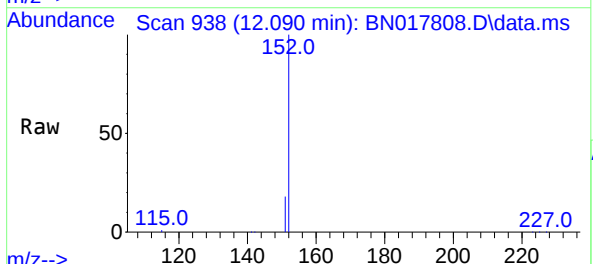
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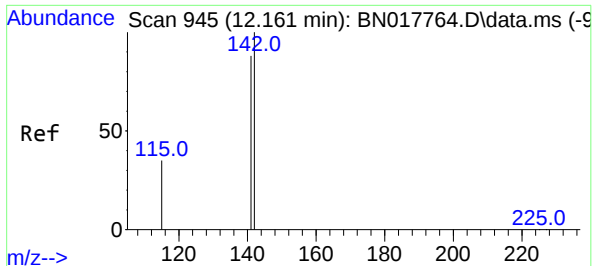
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#11
2-Methylnaphthalene-d10
Concen: 0.257 ng
RT: 12.090 min Scan# 938
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion:152 Resp: 43389
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6





#12

2-Methylnaphthalene

Concen: 0.024 ng

RT: 12.165 min Scan# 91

Delta R.T. 0.004 min

Lab File: BN017808.D

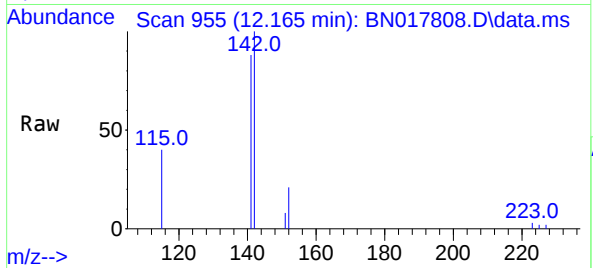
Acq: 08 Dec 2021 20:13

Instrument :

BNA_N

ClientSampleId :

P2-COMP



Tgt Ion:142 Resp: 377

Ion Ratio Lower Upper

142 100

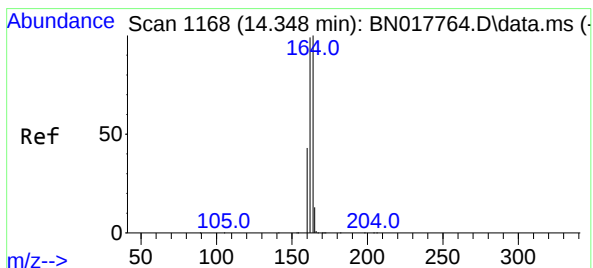
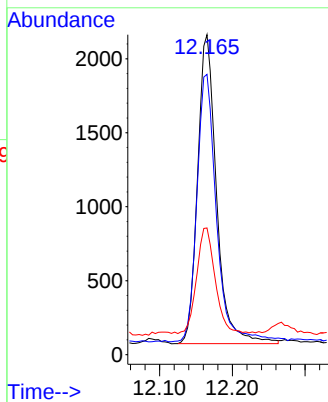
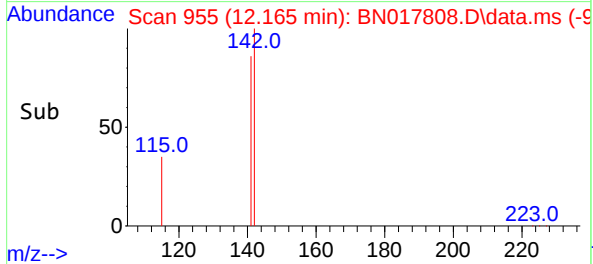
141 87.6 70.5 105.7

115 39.6 28.0 42.0

Manual Integrations

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#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.347 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BN017808.D

Acq: 08 Dec 2021 20:13

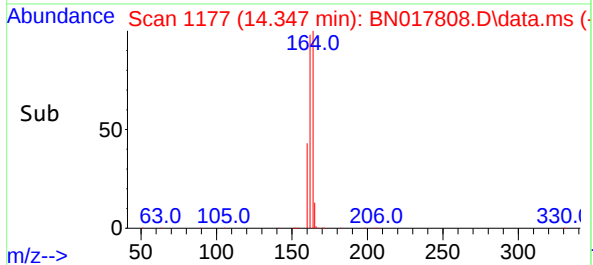
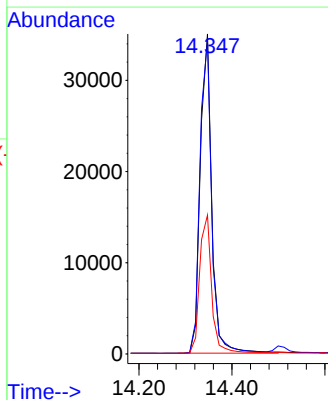
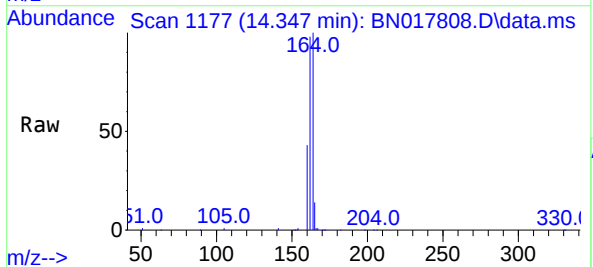
Tgt Ion:164 Resp: 60252

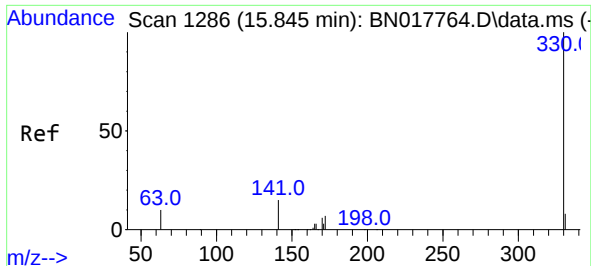
Ion Ratio Lower Upper

164 100

162 98.2 79.0 118.6

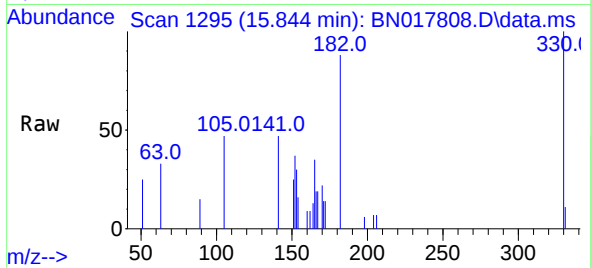
160 43.4 34.6 52.0





#14
2,4,6-Tribromophenol
Concen: 0.083 ng
RT: 15.844 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

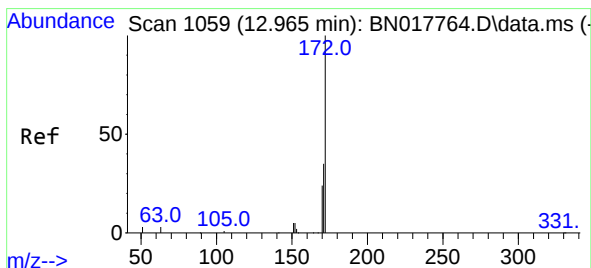
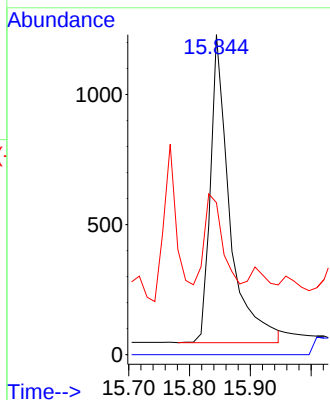
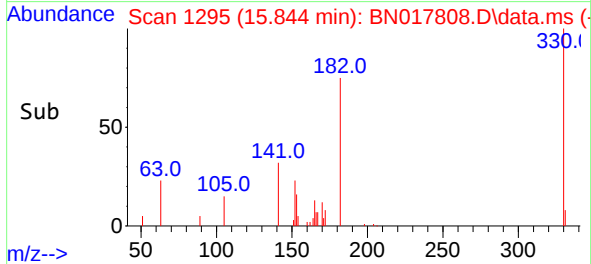
Instrument :
BNA_N
ClientSampleId :
P2-COMP



Tgt Ion:330 Resp: 2620
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 26.2 21.5 32.3

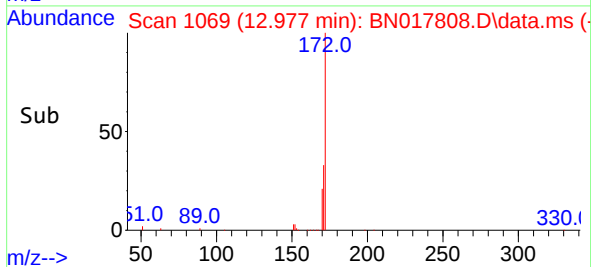
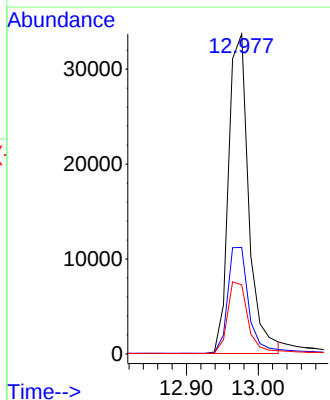
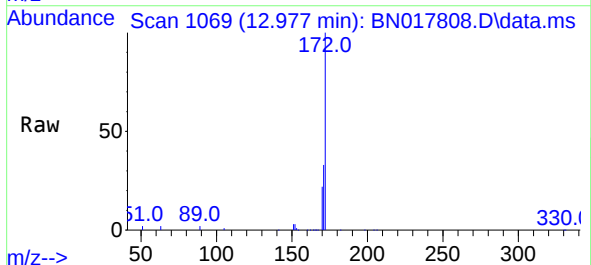
Manual Integrations
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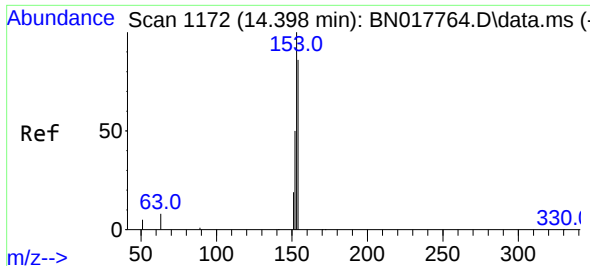
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#15
2-Fluorobiphenyl
Concen: 0.298 ng
RT: 12.977 min Scan# 1069
Delta R.T. 0.012 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

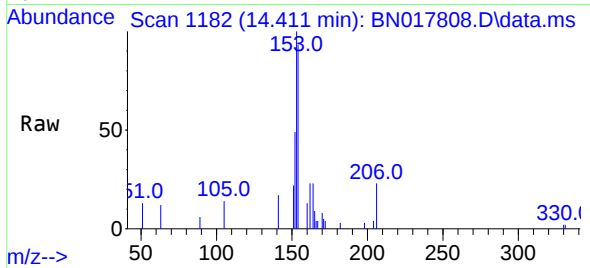
Tgt Ion:172 Resp: 65641
Ion Ratio Lower Upper
172 100
171 33.3 28.1 42.1
170 21.6 18.9 28.3





#17
Acenaphthene
Concen: 0.023 ng
RT: 14.411 min Scan# 1172
Delta R.T. 0.012 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

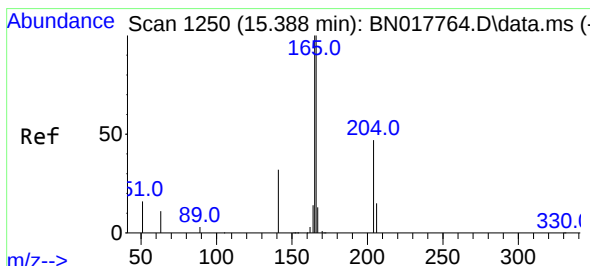
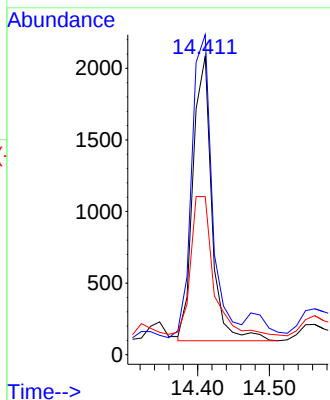
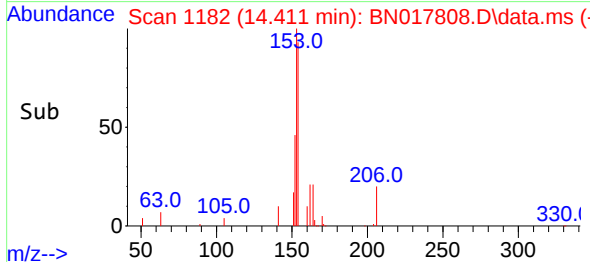
Instrument :
BNA_N
ClientSampleId :
P2-COMP



Tgt Ion:154 Resp: 3612
Ion Ratio Lower Upper
154 100
153 116.2 90.1 135.1
152 59.4 43.7 65.5

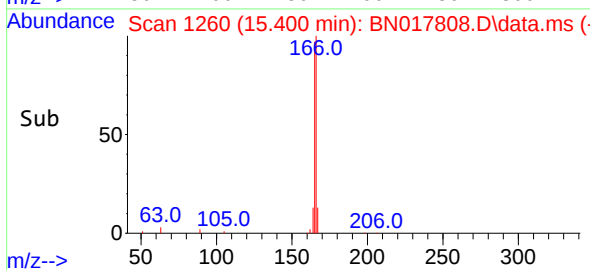
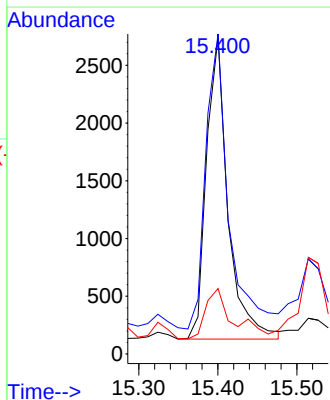
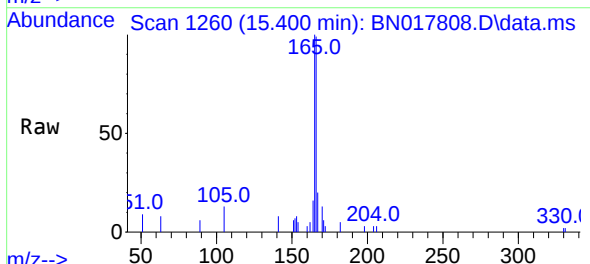
Manual Integrations
APPROVED

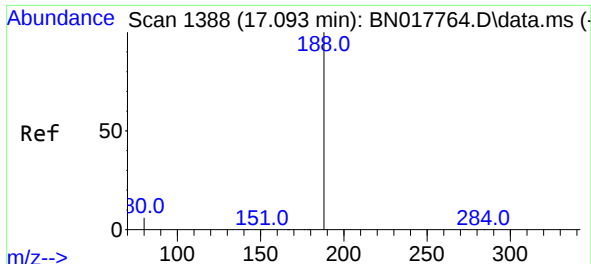
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#18
Fluorene
Concen: 0.024 ng
RT: 15.400 min Scan# 1260
Delta R.T. 0.012 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion:166 Resp: 4934
Ion Ratio Lower Upper
166 100
165 104.0 77.8 116.8
167 21.4 11.0 16.4





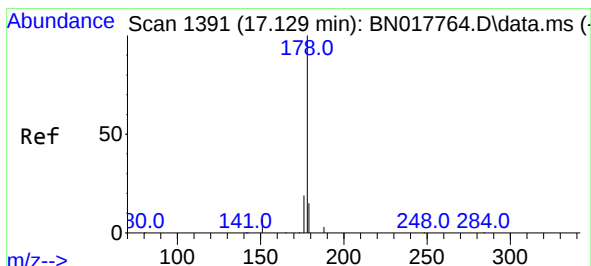
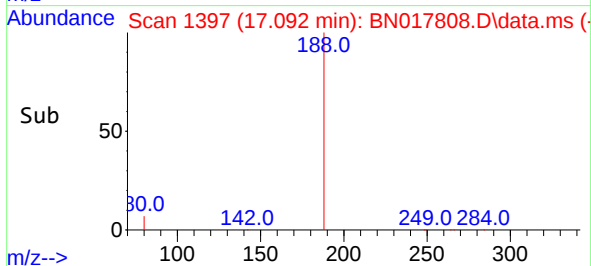
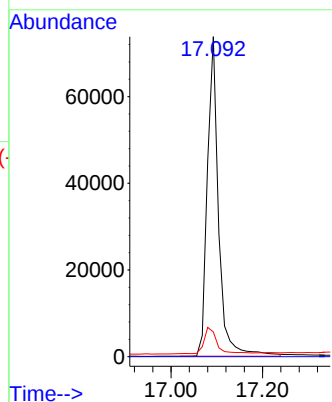
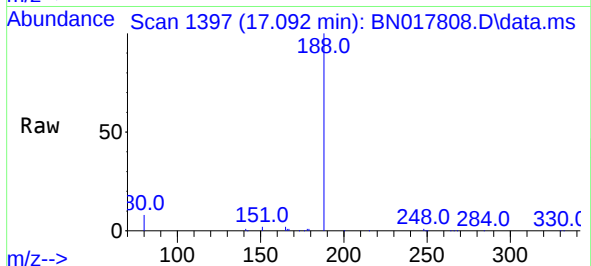
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Instrument :
BNA_N
ClientSampleId :
P2-COMP

Tgt Ion:188 Resp: 12525
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.7 5.1 7.7

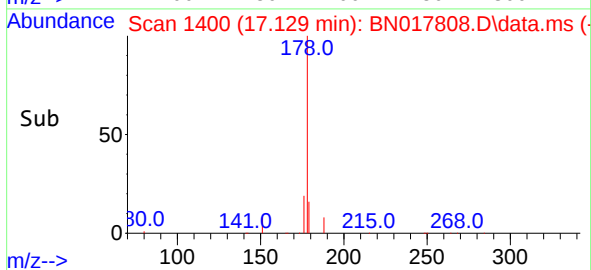
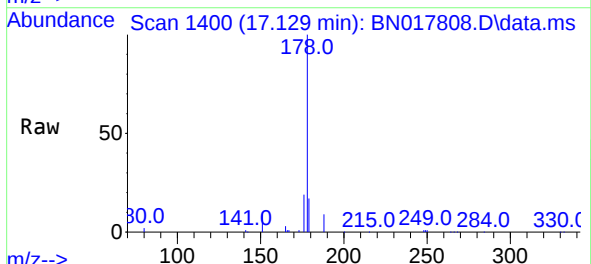
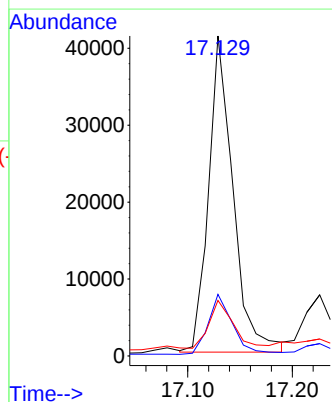
Manual Integrations
APPROVED

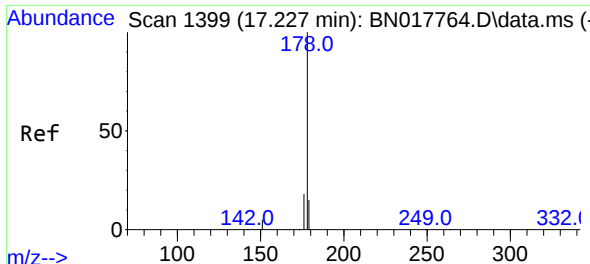
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#25
Phenanthrene
Concen: 0.204 ng m
RT: 17.129 min Scan# 1400
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

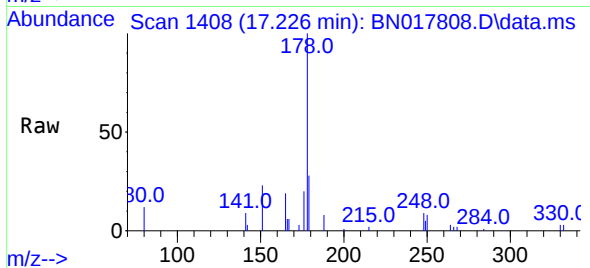
Tgt Ion:178 Resp: 67100
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 18.5 12.5 18.7





#26
 Anthracene
 Concen: 0.039 ng
 RT: 17.226 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: BN017808.D
 Acq: 08 Dec 2021 20:13

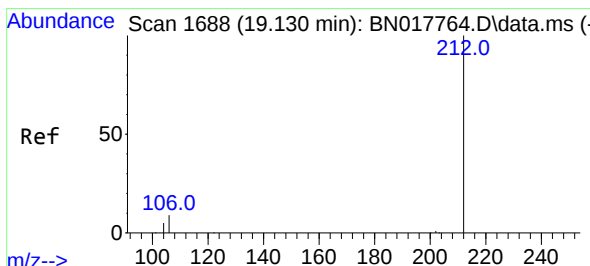
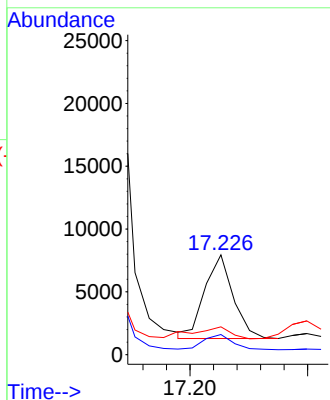
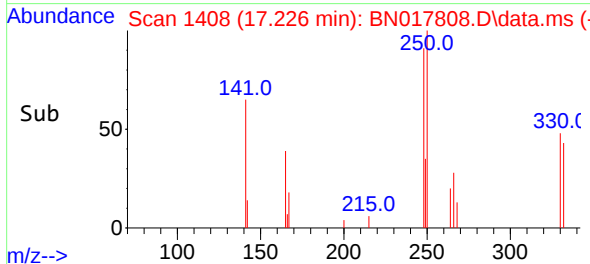
Instrument :
 BNA_N
 ClientSampleId :
 P2-COMP



Tgt Ion:178 Resp: 11189
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.5 21.7
 179 18.8 12.2 18.4

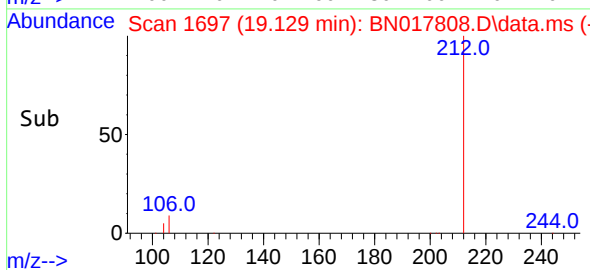
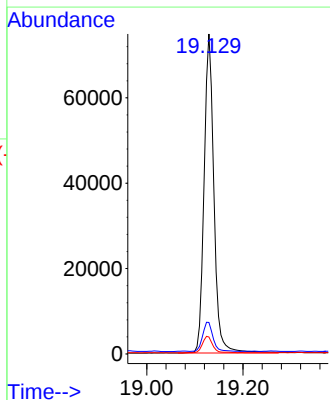
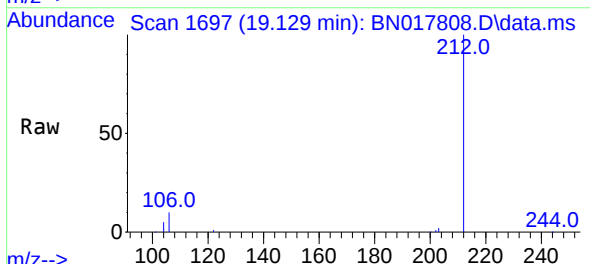
Manual Integrations
 APPROVED

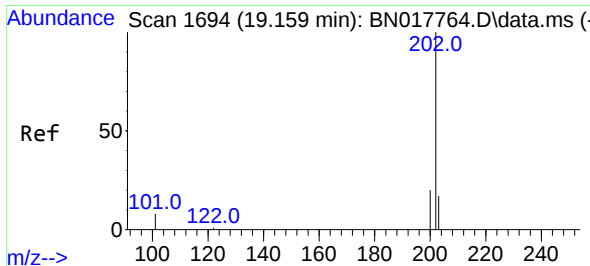
Reviewed By :Jagrut Upadhyay 12/09/2021
 Supervised By :mohammad ahmed 12/15/2021



#27
 Fluoranthene-d10
 Concen: 0.253 ng
 RT: 19.129 min Scan# 1697
 Delta R.T. -0.000 min
 Lab File: BN017808.D
 Acq: 08 Dec 2021 20:13

Tgt Ion:212 Resp: 105790
 Ion Ratio Lower Upper
 212 100
 106 9.5 8.2 12.2
 104 5.5 4.6 6.8





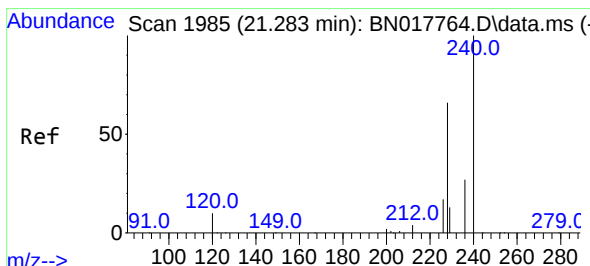
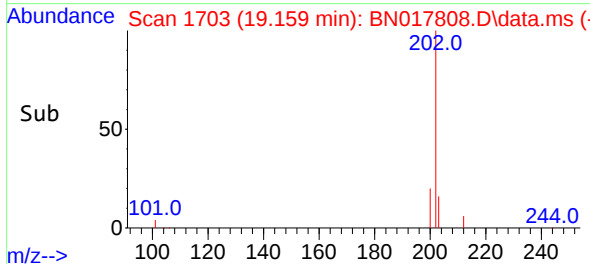
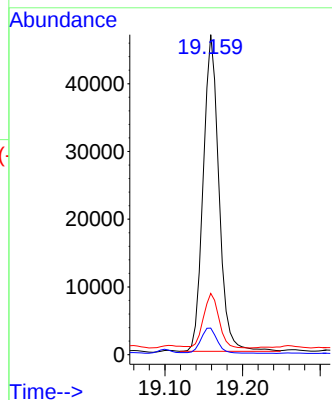
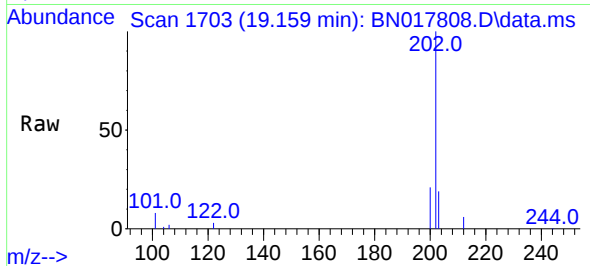
#28
Fluoranthene
Concen: 0.165 ng
RT: 19.159 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Instrument :
BNA_N
ClientSampleId :
P2-COMP

Tgt Ion:202 Resp: 6591
Ion Ratio Lower Upper
202 100
101 8.5 7.2 10.8
203 17.0 13.7 20.5

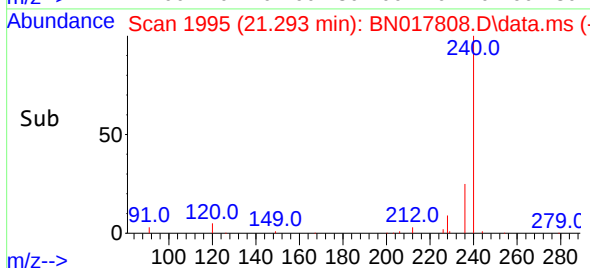
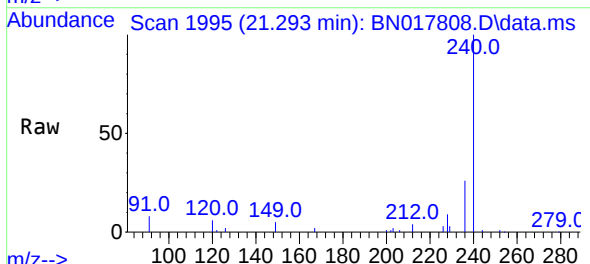
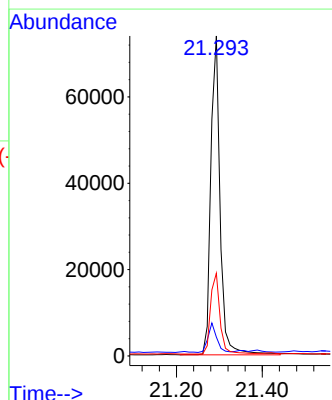
Manual Integrations
APPROVED

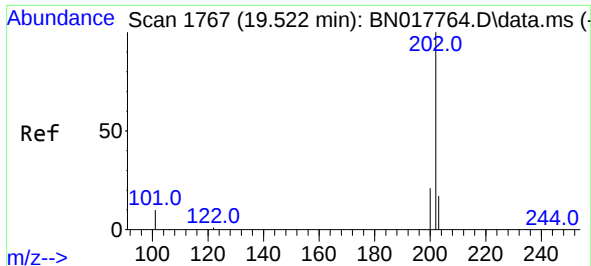
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 1995
Delta R.T. 0.010 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

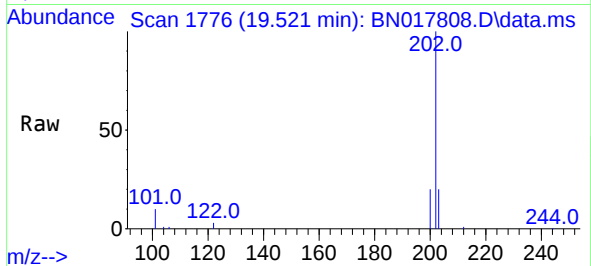
Tgt Ion:240 Resp: 110798
Ion Ratio Lower Upper
240 100
120 5.9 7.9 11.9#
236 25.8 21.4 32.2





#30
Pyrene
Concen: 0.188 ng
RT: 19.521 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

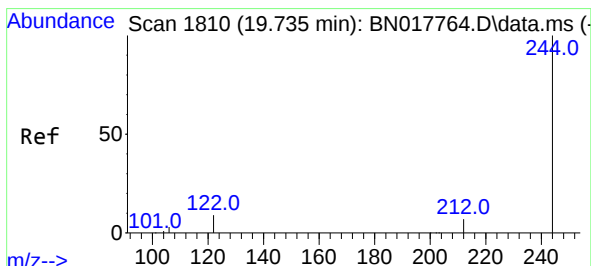
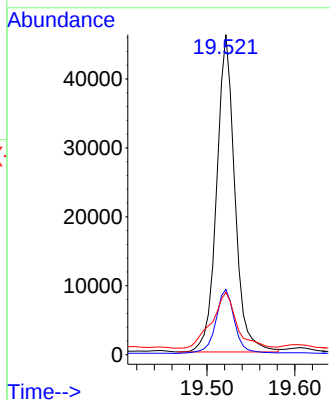
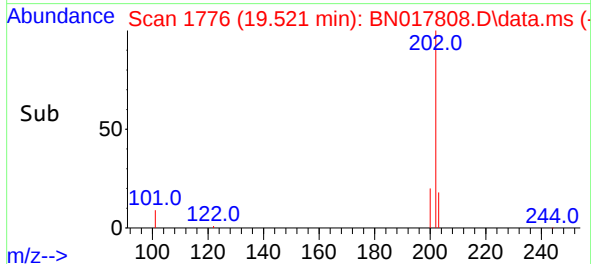
Instrument :
BNA_N
ClientSampleId :
P2-COMP



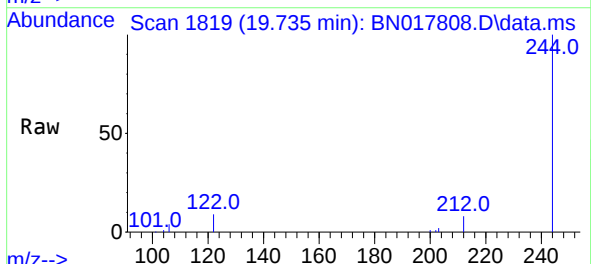
Tgt Ion:202 Resp: 6615
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 23.8 14.0 21.0

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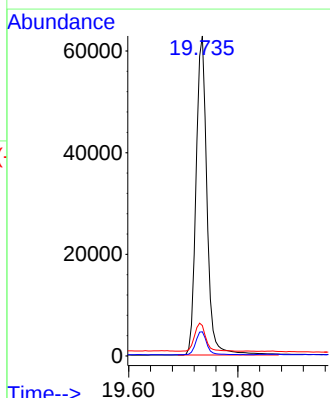
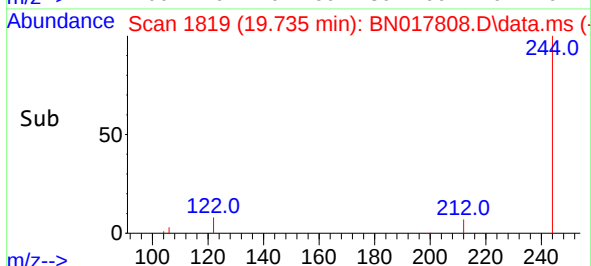
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

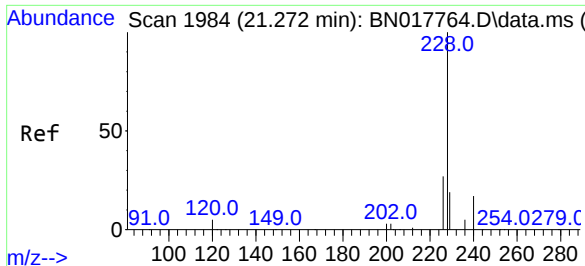


#31
Terphenyl-d14
Concen: 0.367 ng
RT: 19.735 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13



Tgt Ion:244 Resp: 87255
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.8
122 9.5 7.1 10.7





#32

Benzo(a)anthracene

Concen: 0.149 ng

RT: 21.272 min Scan# 1984

Delta R.T. -0.000 min

Lab File: BN017808.D

Acq: 08 Dec 2021 20:13

Instrument :

BNA_N

ClientSampleId :

P2-COMP

Tgt Ion:228 Resp: 5076

Ion Ratio Lower Upper

228 100

226 28.5 21.4 32.0

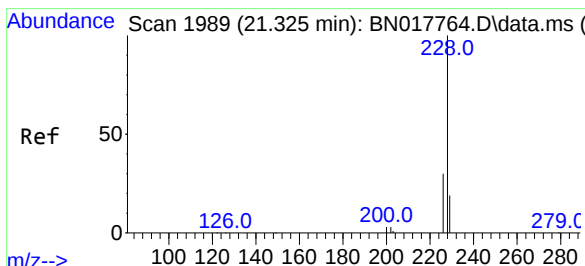
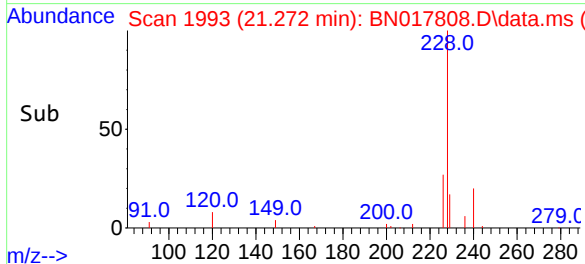
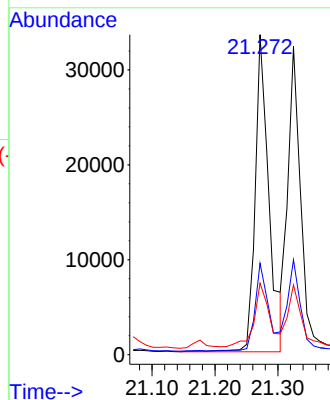
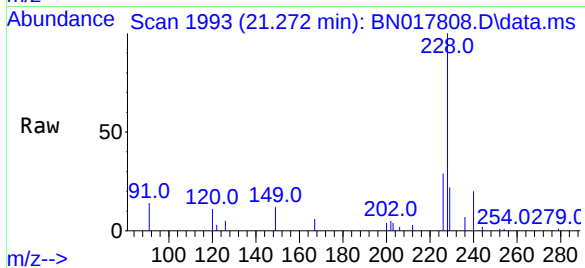
229 22.3 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2021

Supervised By :mohammad ahmed 12/15/2021



#33

Chrysene

Concen: 0.124 ng

RT: 21.325 min Scan# 1998

Delta R.T. -0.000 min

Lab File: BN017808.D

Acq: 08 Dec 2021 20:13

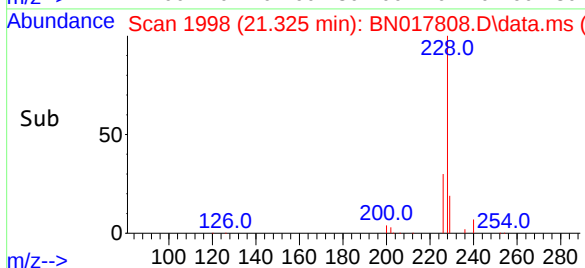
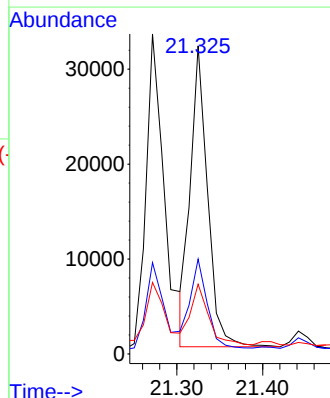
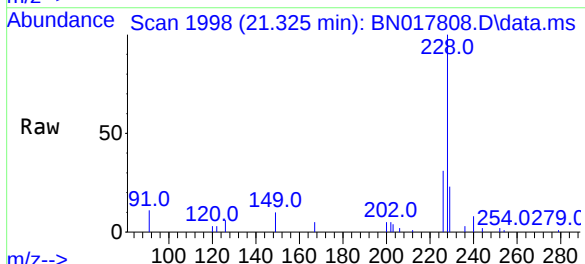
Tgt Ion:228 Resp: 44087

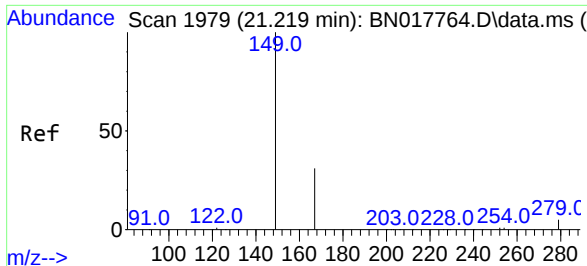
Ion Ratio Lower Upper

228 100

226 30.8 23.6 35.4

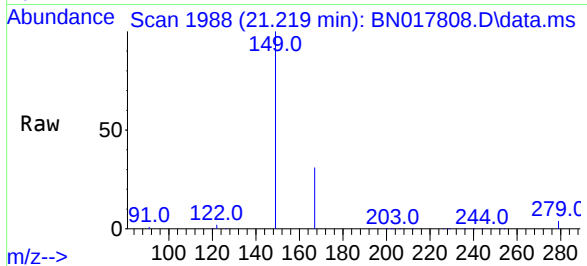
229 22.6 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 3.388 ng
RT: 21.219 min Scan# 1979
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

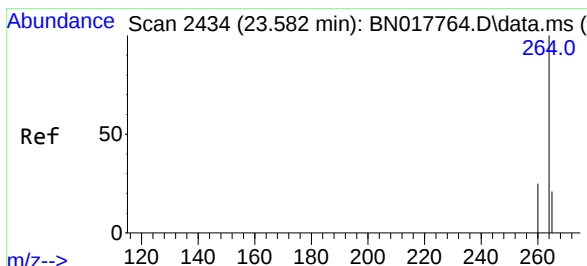
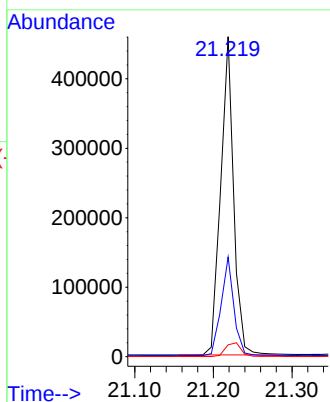
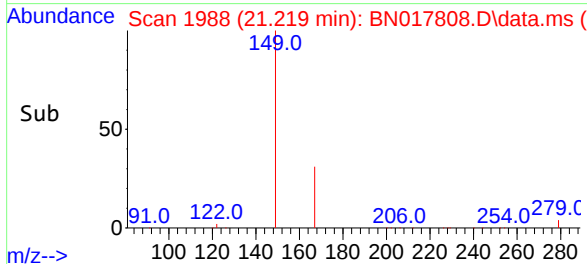
Instrument :
BNA_N
ClientSampleId :
P2-COMP



Tgt Ion:149 Resp: 52363
Ion Ratio Lower Upper
149 100
167 30.5 23.5 35.3
279 5.1 3.8 5.6

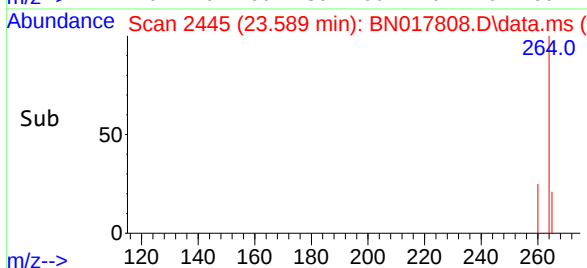
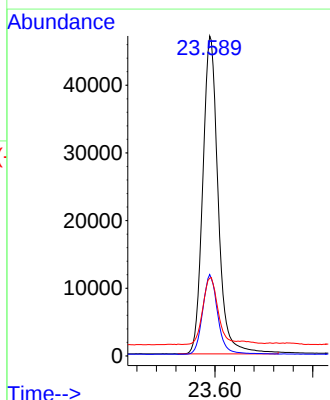
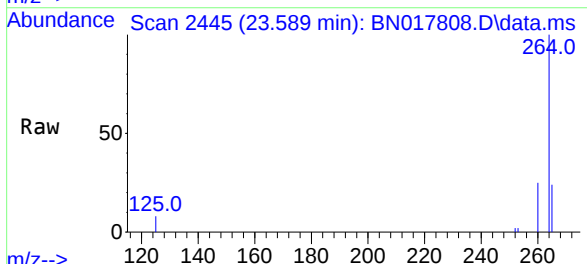
Manual Integrations
APPROVED

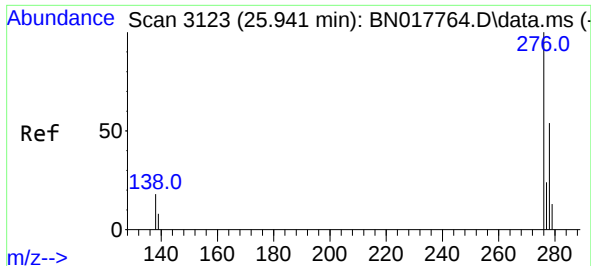
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.589 min Scan# 2445
Delta R.T. 0.006 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

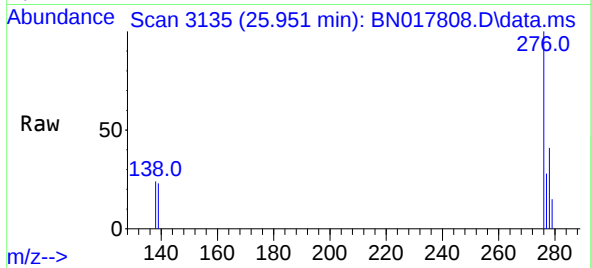
Tgt Ion:264 Resp: 102638
Ion Ratio Lower Upper
264 100
260 25.5 20.0 30.0
265 24.3 20.5 30.7





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.068 ng
RT: 25.951 min Scan# 3123
Delta R.T. 0.010 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

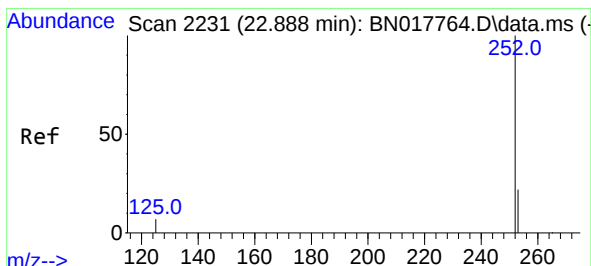
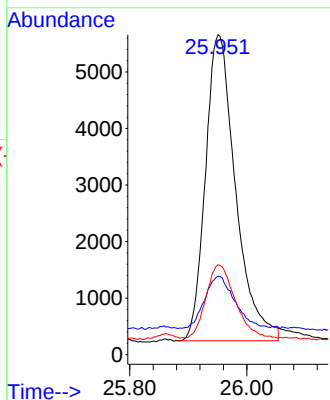
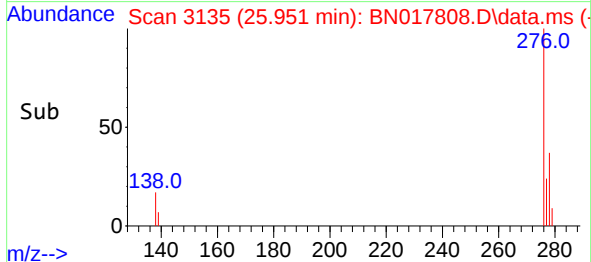
Instrument :
BNA_N
ClientSampleId :
P2-COMP



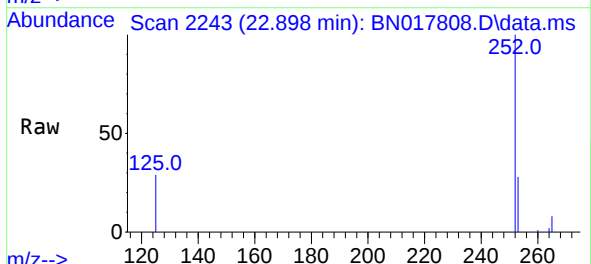
Tgt Ion:276 Resp: 19358
Ion Ratio Lower Upper
276 100
138 17.0 15.0 22.4
277 23.0 19.8 29.8

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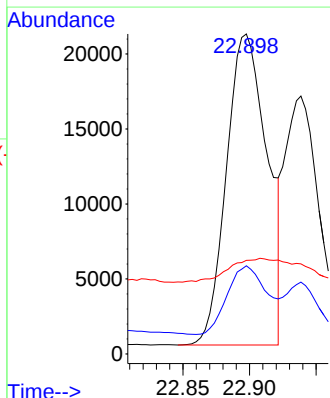
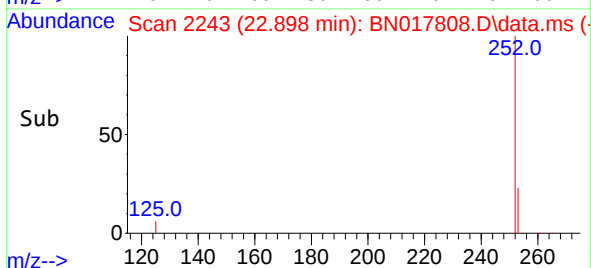
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

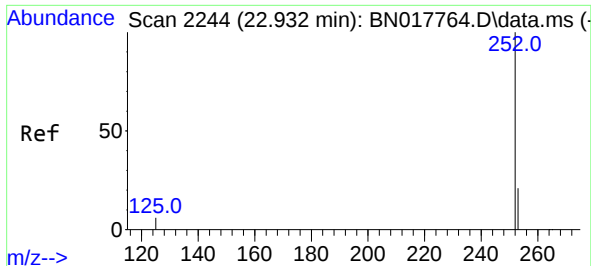


#37
Benzo(b)fluoranthene
Concen: 0.127 ng
RT: 22.898 min Scan# 2243
Delta R.T. 0.010 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13



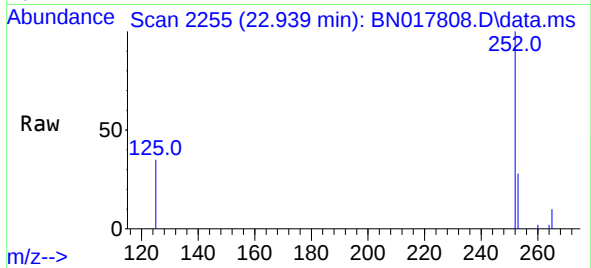
Tgt Ion:252 Resp: 44183
Ion Ratio Lower Upper
252 100
253 27.6 17.7 26.5#
125 29.3 6.2 9.2#





#38
Benzo(k)fluoranthene
Concen: 0.085 ng
RT: 22.939 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

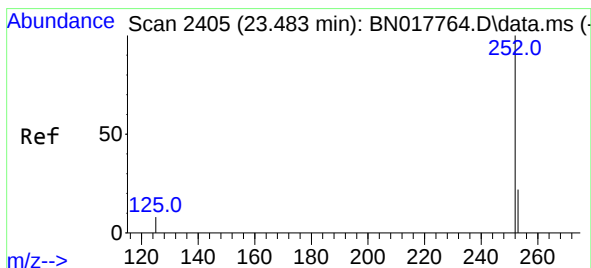
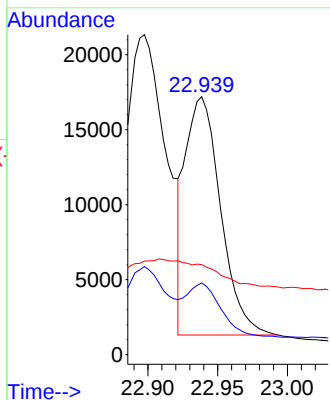
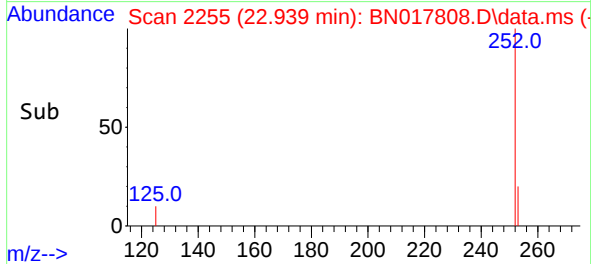
Instrument :
BNA_N
ClientSampleId :
P2-COMP



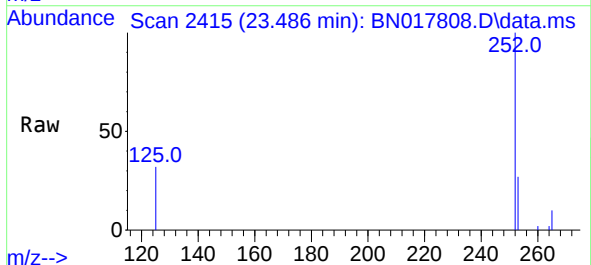
Tgt Ion:252 Resp: 2799
Ion Ratio Lower Upper
252 100
253 27.9 17.8 26.6
125 34.9 6.2 9.2

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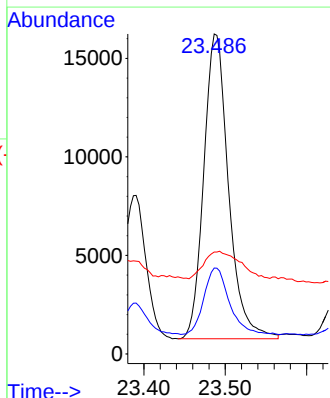
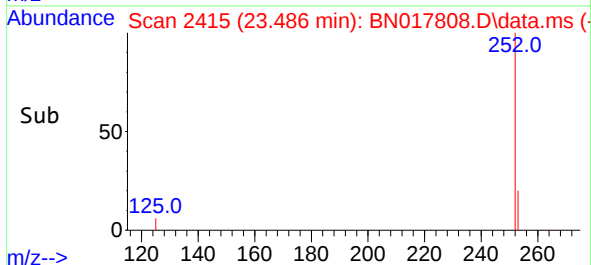
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

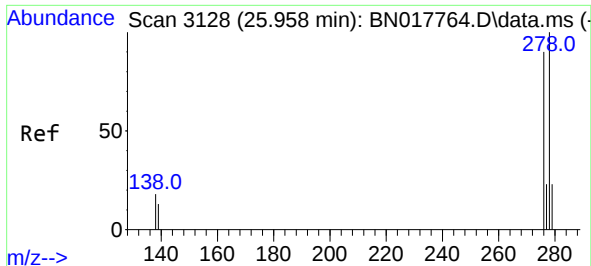


#39
Benzo(a)pyrene
Concen: 0.105 ng
RT: 23.486 min Scan# 2415
Delta R.T. 0.003 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13



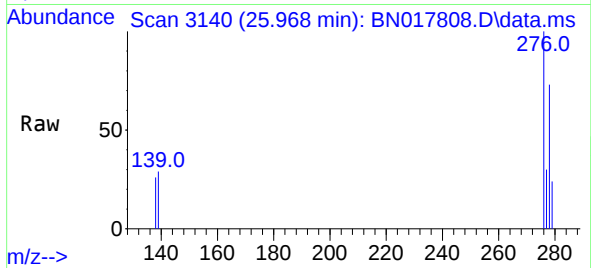
Tgt Ion:252 Resp: 32784
Ion Ratio Lower Upper
252 100
253 26.9 18.1 27.1
125 31.8 7.0 10.4





#40
Dibenzo(a,h)anthracene
Concen: 0.049 ng
RT: 25.968 min Scan# 3128
Delta R.T. 0.010 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

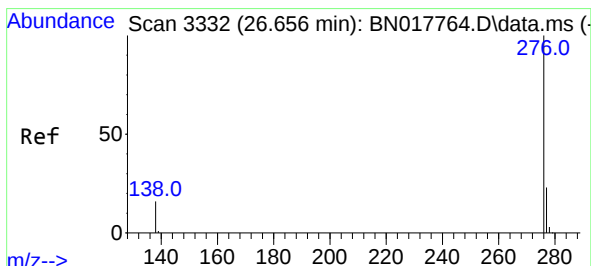
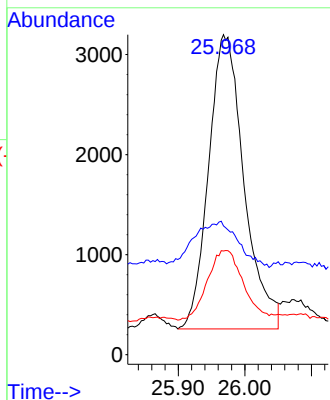
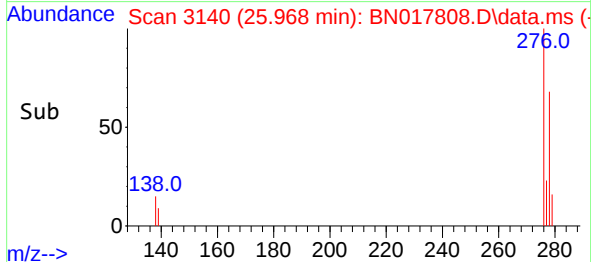
Instrument :
BNA_N
ClientSampleId :
P2-COMP



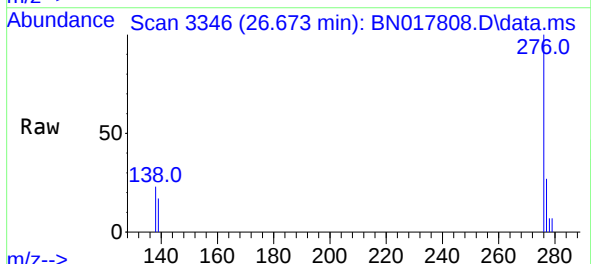
Tgt Ion:278 Resp: 1088
Ion Ratio Lower Upper
278 100
139 40.3 10.8 16.2
279 32.4 19.1 28.7

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.074 ng
RT: 26.673 min Scan# 3346
Delta R.T. 0.017 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13



Tgt Ion:276 Resp: 17612
Ion Ratio Lower Upper
276 100
277 27.4 19.1 28.7
138 22.6 13.2 19.8

