

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028225.D
 Acq On : 11 Oct 2023 08:58
 Operator : MA/JU
 Sample : 04767-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Q-1(5-10)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

Quant Time: Oct 11 09:25:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	4017	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	13064	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	10923	0.400	ng	0.00
19) Phenanthrene-d10	17.331	188	14219	0.400	ng	# 0.01
29) Chrysene-d12	21.533	240	12018m	0.400	ng	0.02
35) Perylene-d12	23.999	264	18235	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2200	0.184	ng	0.00
5) Phenol-d6	7.084	99	3066	0.203	ng	0.00
8) Nitrobenzene-d5	9.112	82	2686	0.242	ng	-0.01
11) 2-Methylnaphthalene-d10	12.317	152	3967	0.205	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	319	0.064	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	5338	0.136	ng	0.00
27) Fluoranthene-d10	19.360	212	8540	0.239	ng	0.00
31) Terphenyl-d14	19.936	244	13213m	0.471	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	991671	29.379	ng	98
12) 2-Methylnaphthalene	12.392	142	289323	12.253	ng	99
16) Acenaphthylene	14.288	152	1265439	26.152	ng	99
17) Acenaphthene	14.630	154	332869	10.791	ng	99
18) Fluorene	15.606	166	1126654m	28.123	ng	
25) Phenanthrene	17.381	178	9599409	250.415	ng	98
26) Anthracene	17.468	178	3970208	109.573	ng	98
28) Fluoranthene	19.407	202	13043333	294.828	ng	97
30) Pyrene	19.774	202	11317153	256.806	ng	# 94
32) Benzo(a)anthracene	21.515	228	6432596	157.295	ng	95
33) Chrysene	21.569	228	5478673	139.015	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	9796	0.364	ng	# 85
36) Indeno(1,2,3-cd)pyrene	26.618	276	3452127	56.282	ng	97
37) Benzo(b)fluoranthene	23.250	252	6960411	118.188	ng	# 90
38) Benzo(k)fluoranthene	23.288	252	2651798m	44.394	ng	
39) Benzo(a)pyrene	23.905	252	5435746m	97.612	ng	
40) Dibenzo(a,h)anthracene	26.618	278	906426	18.065	ng	96
41) Benzo(g,h,i)perylene	27.443	276	3244327	62.993	ng	96

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

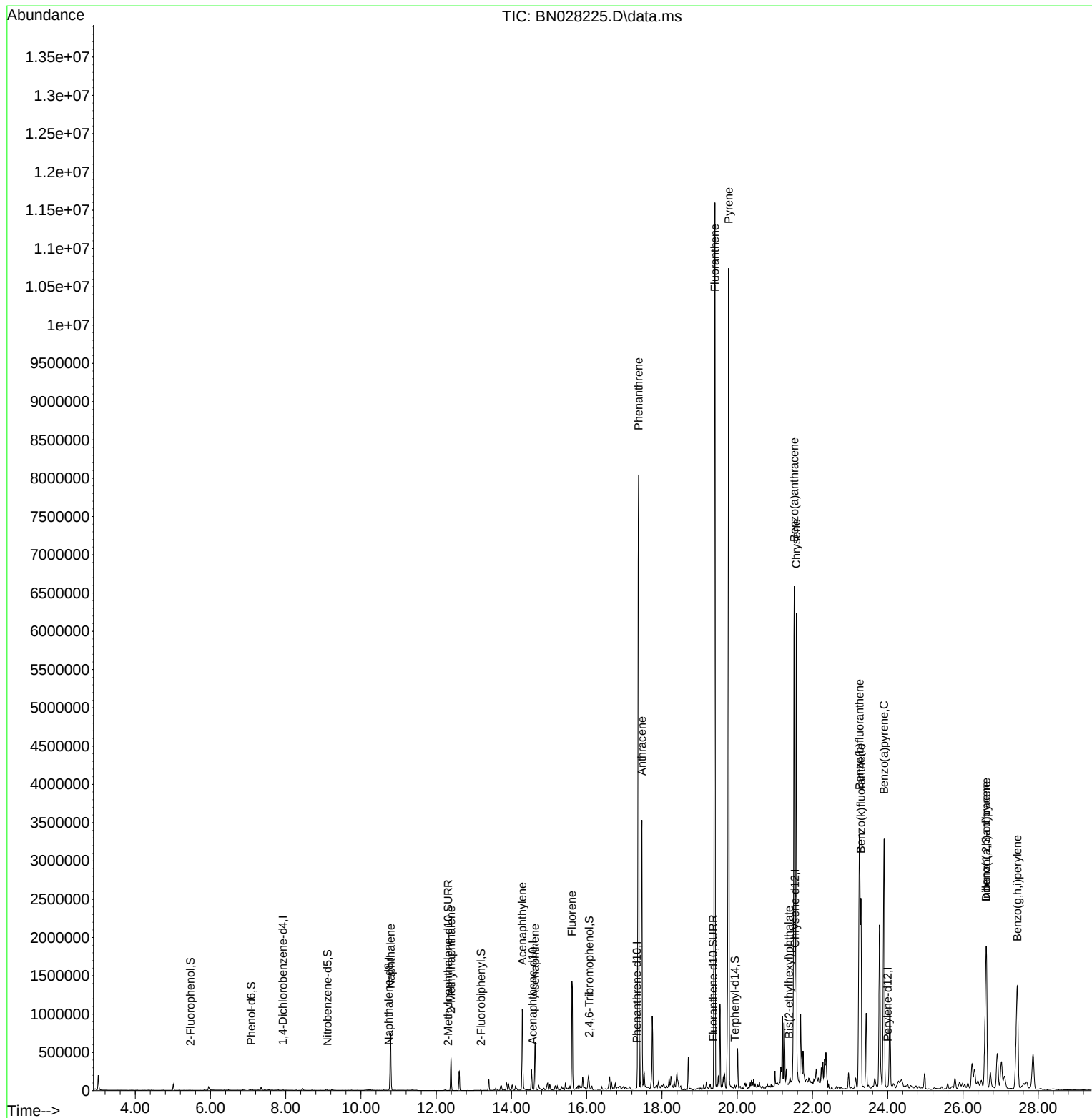
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028225.D
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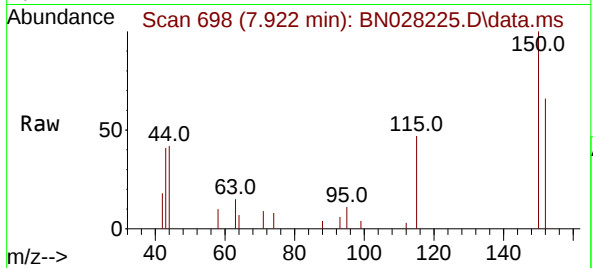
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

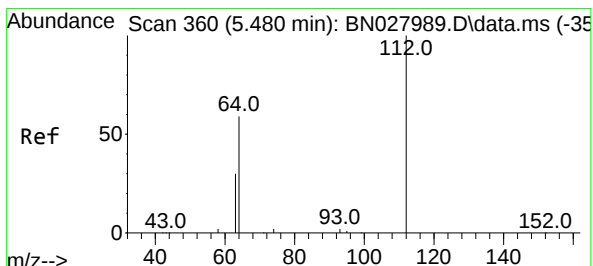
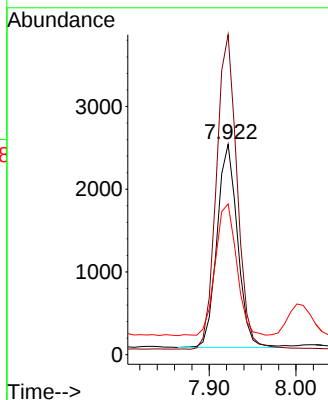
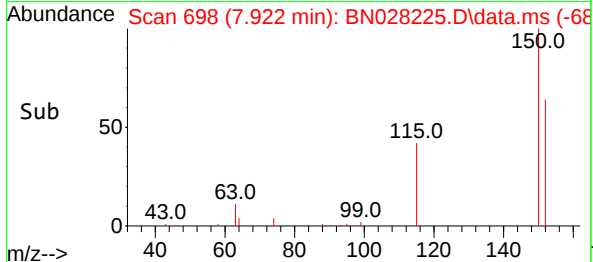
Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)



Tgt Ion:152 Resp: 401
Ion Ratio Lower Upper
152 100
150 152.0 125.6 188.4
115 71.6 54.8 82.2

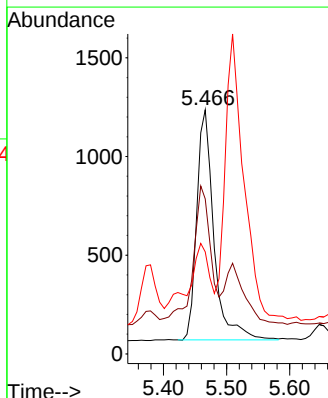
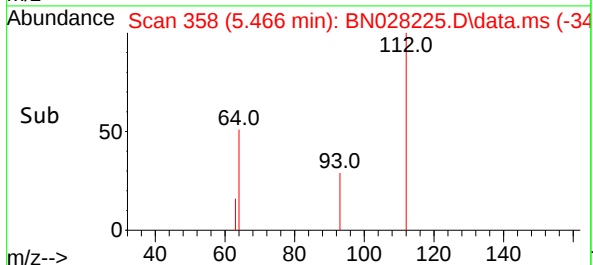
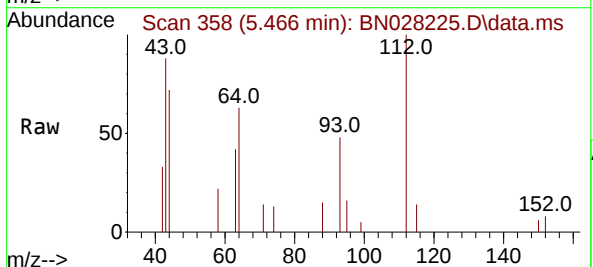
Manual Integrations
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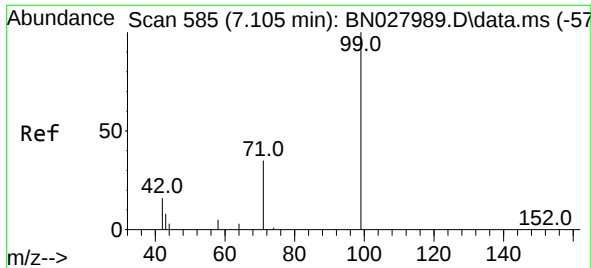
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.184 ng
RT: 5.466 min Scan# 358
Delta R.T. 0.000 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

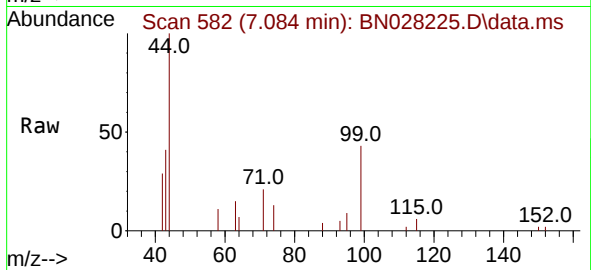
Tgt Ion:112 Resp: 2200
Ion Ratio Lower Upper
112 100
64 57.3 45.0 67.6
63 32.0 23.4 35.0





#5
Phenol-d6
Concen: 0.203 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

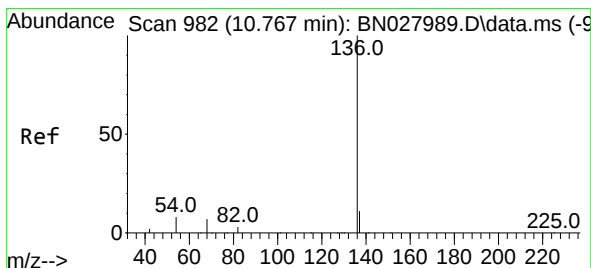
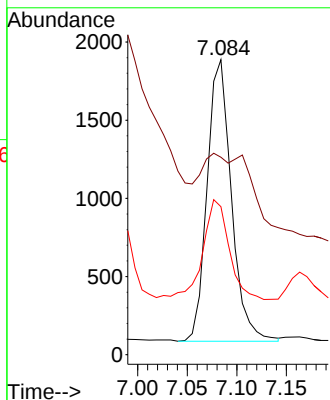
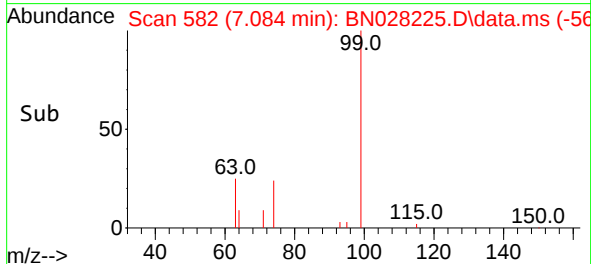
Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)



Tgt Ion: 99 Resp: 3060
Ion Ratio Lower Upper
99 100
42 68.8 14.6 22.0
71 38.8 28.3 42.5

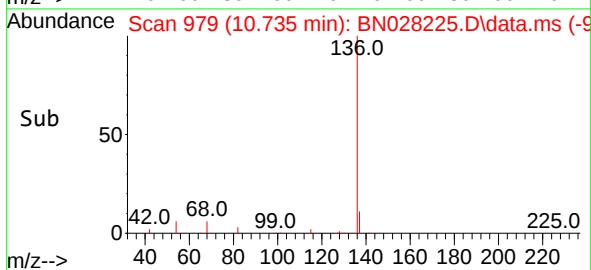
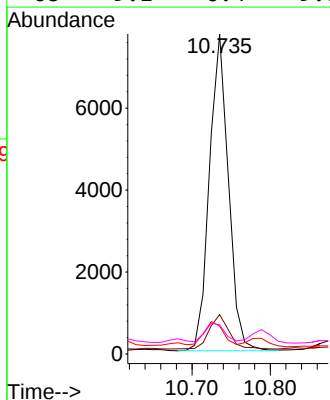
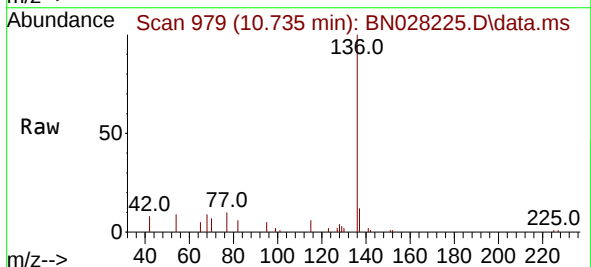
Manual Integrations
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

Tgt Ion:136 Resp: 13064
Ion Ratio Lower Upper
136 100
137 12.3 9.4 14.0
54 8.7 7.0 10.6
68 9.1 6.4 9.6





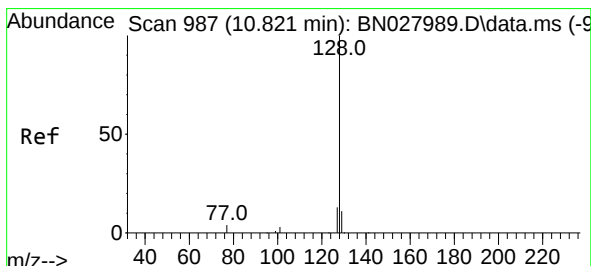
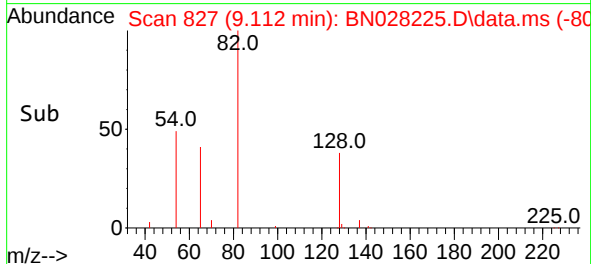
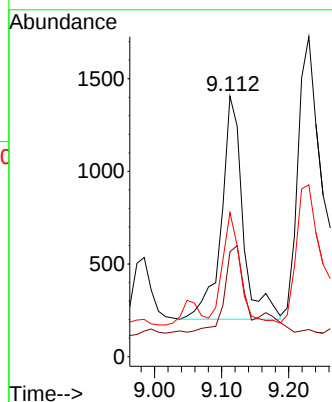
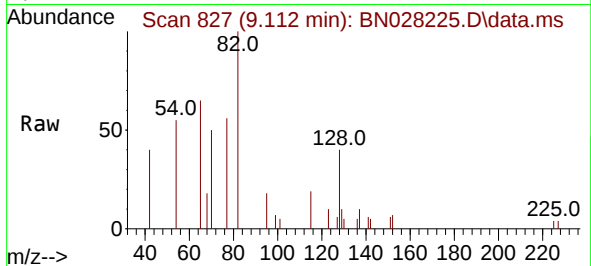
#8
Nitrobenzene-d5
Concen: 0.242 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)

Tgt Ion: 82 Resp: 2680
Ion Ratio Lower Upper
82 100
128 40.3 32.7 49.1
54 55.3 38.7 58.1

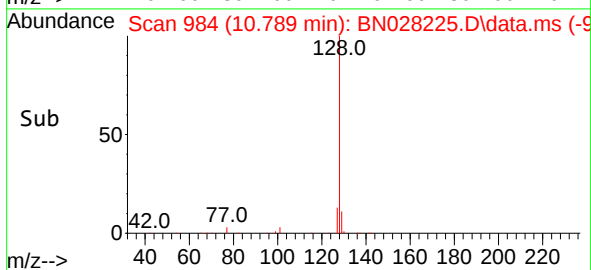
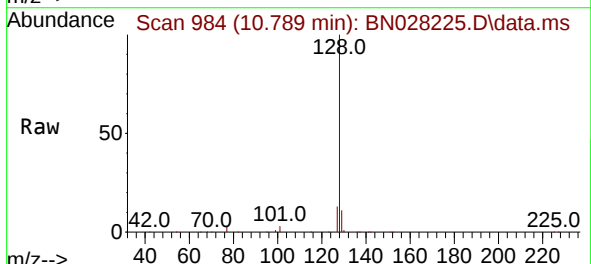
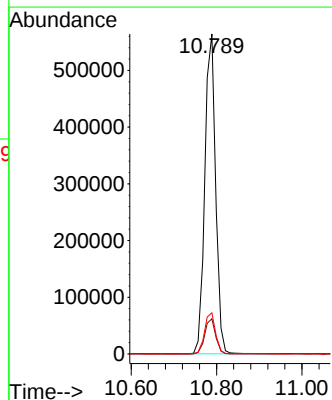
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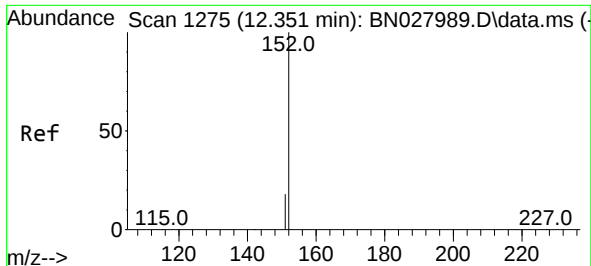
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 29.379 ng
RT: 10.789 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

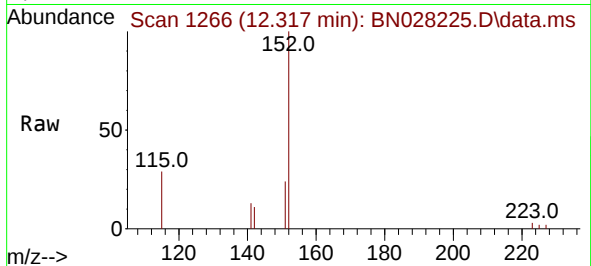
Tgt Ion:128 Resp: 991671
Ion Ratio Lower Upper
128 100
129 11.0 9.4 14.2
127 12.8 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.205 ng
RT: 12.317 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

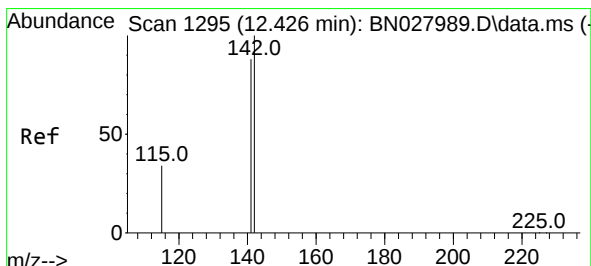
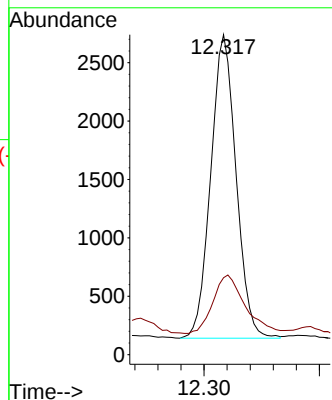
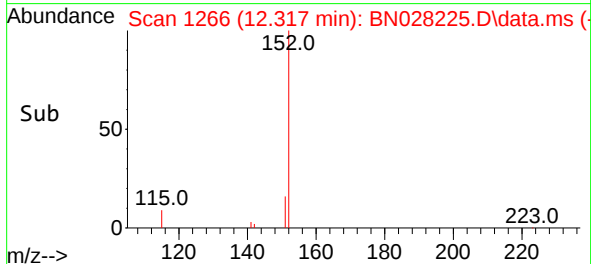
Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)



Tgt Ion:152 Resp: 396
Ion Ratio Lower Upper
152 100
151 24.4 16.5 24.7

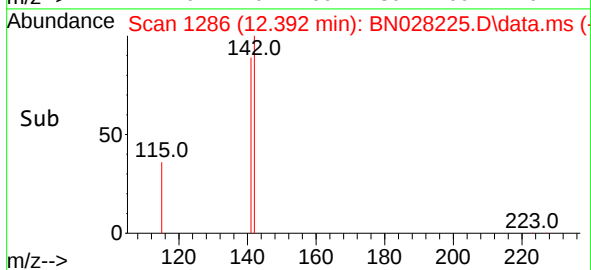
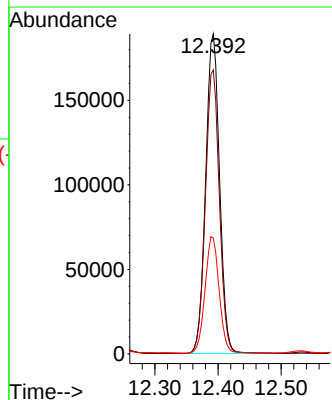
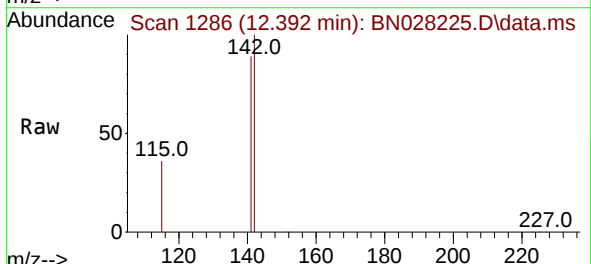
Manual Integrations
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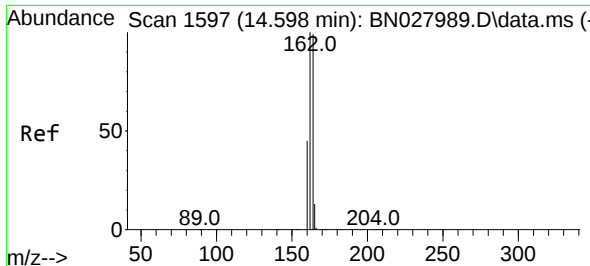
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#12
2-Methylnaphthalene
Concen: 12.253 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

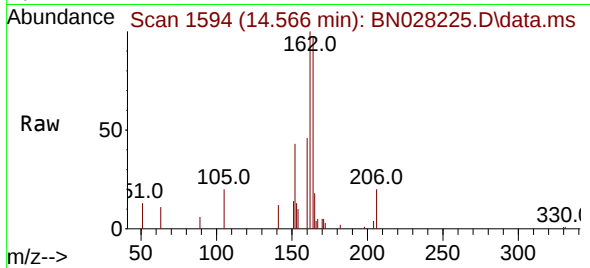
Tgt Ion:142 Resp: 289323
Ion Ratio Lower Upper
142 100
141 88.7 70.7 106.1
115 36.2 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

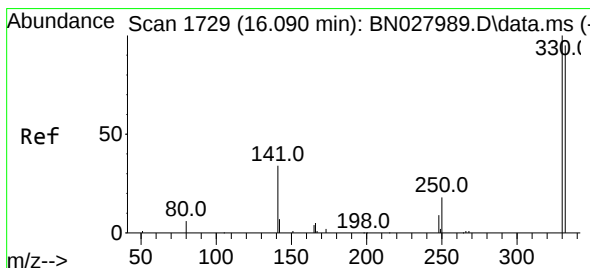
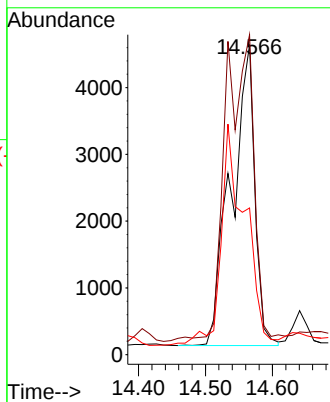
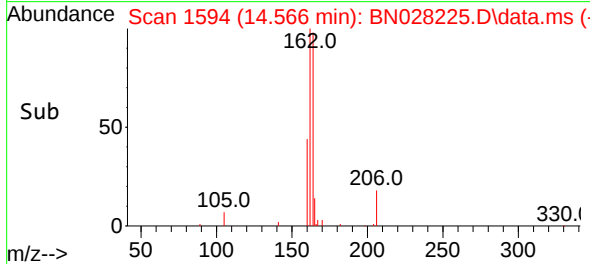
Instrument :
BNA_N
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Q-1(5-10)



Tgt Ion:164 Resp: 1092.0
Ion Ratio Lower Upper
164 100
162 103.2 80.8 121.2
160 47.3 36.4 54.6

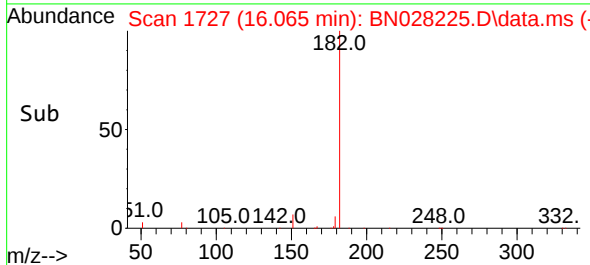
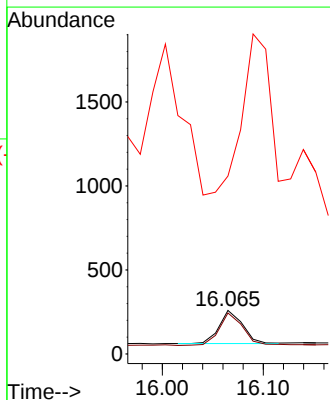
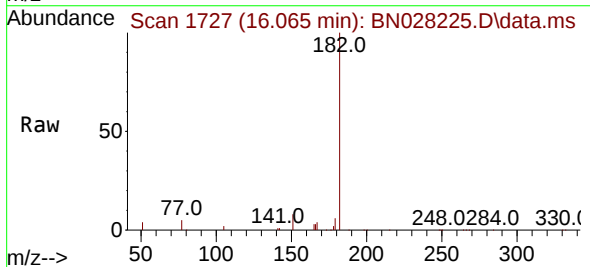
Manual Integrations
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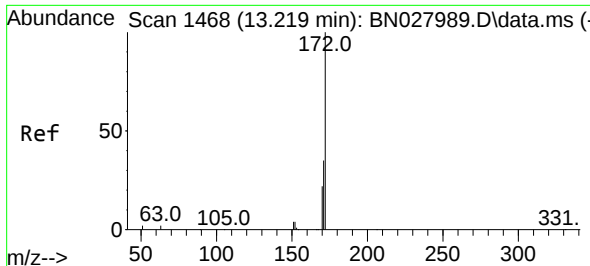
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#14
2,4,6-Tribromophenol
Concen: 0.064 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

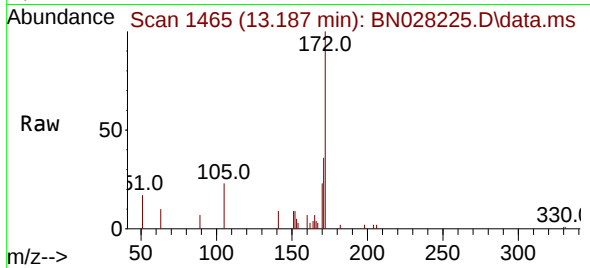
Tgt Ion:330 Resp: 319
Ion Ratio Lower Upper
330 100
332 101.9 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.136 ng
RT: 13.187 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

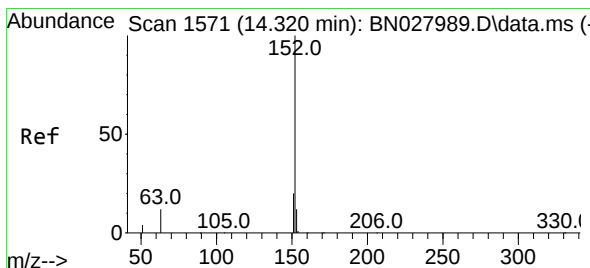
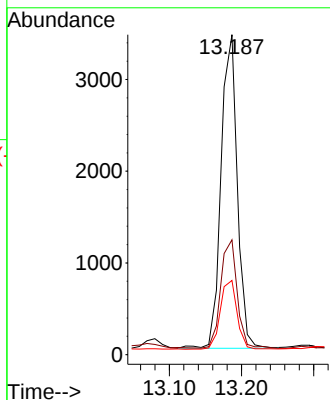
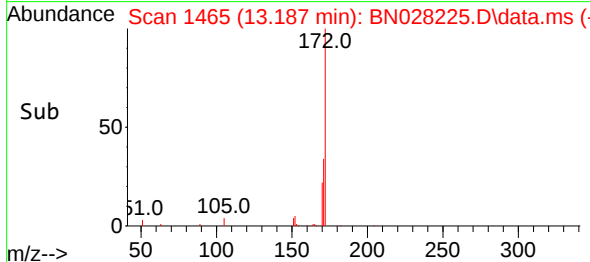
Instrument :
BNA_N
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Q-1(5-10)



Tgt Ion:172 Resp: 5338
Ion Ratio Lower Upper
172 100
171 35.9 28.1 42.1
170 23.2 18.4 27.6

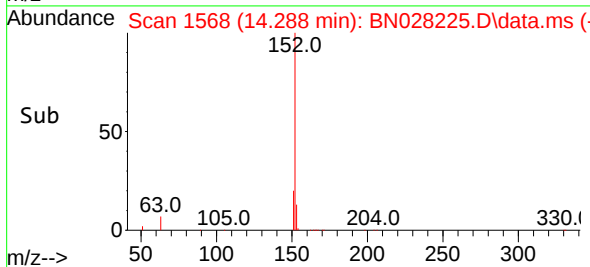
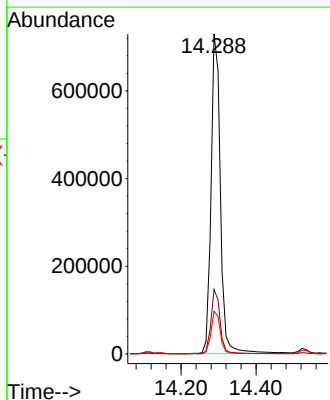
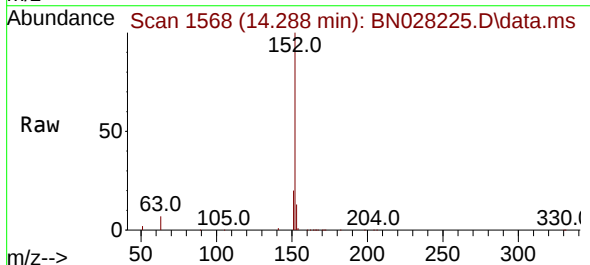
Manual Integrations
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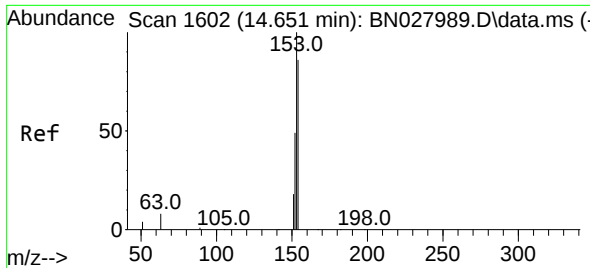
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 26.152 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

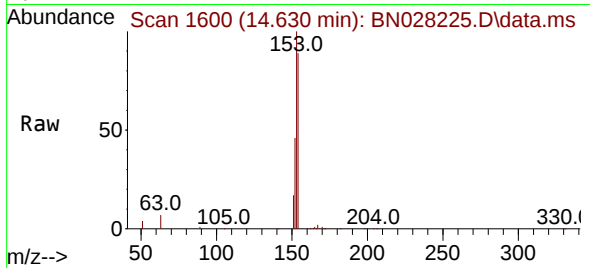
Tgt Ion:152 Resp: 1265439
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.4 10.2 15.4





#17
Acenaphthene
Concen: 10.791 ng
RT: 14.630 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

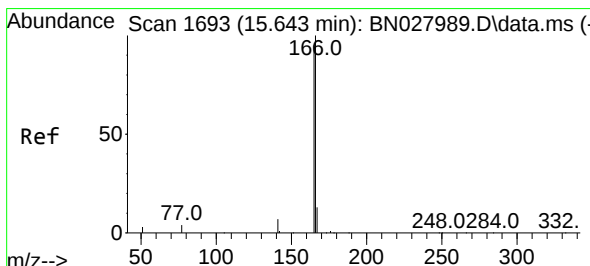
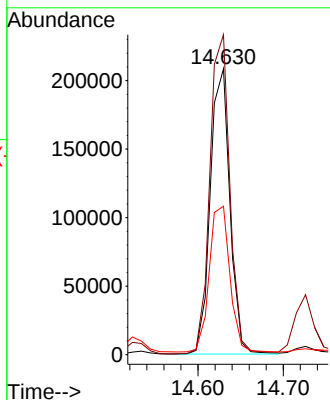
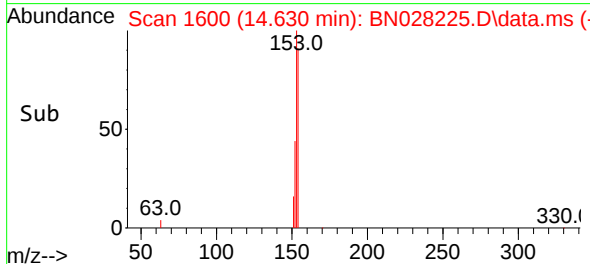
Instrument :
BNA_N
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Q-1(5-10)



Tgt Ion:154 Resp: 332869
Ion Ratio Lower Upper
154 100
153 113.7 90.8 136.2
152 53.8 43.9 65.9

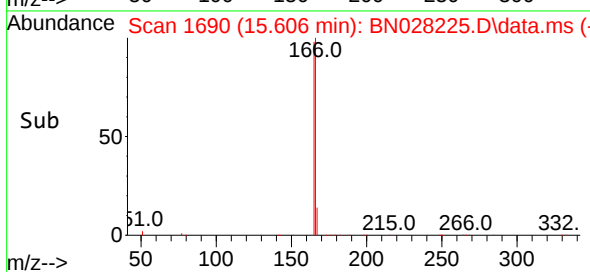
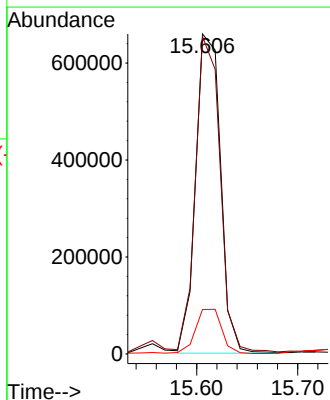
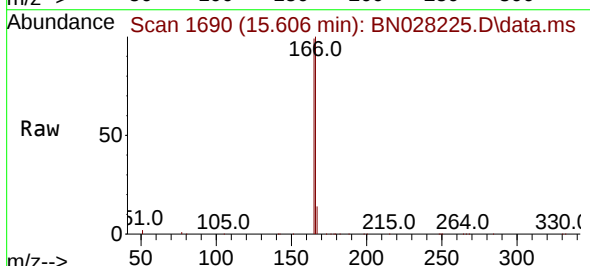
Manual Integrations
APPROVED

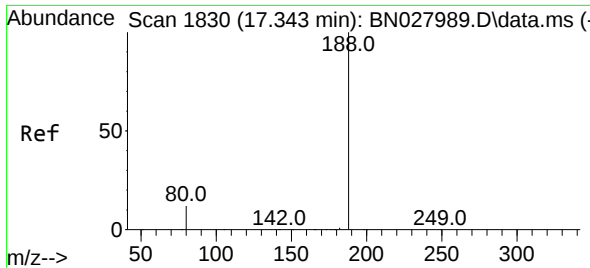
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#18
Fluorene
Concen: 28.123 ng m
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

Tgt Ion:166 Resp: 1126654
Ion Ratio Lower Upper
166 100
165 101.4 77.8 116.8
167 14.8 10.7 16.1





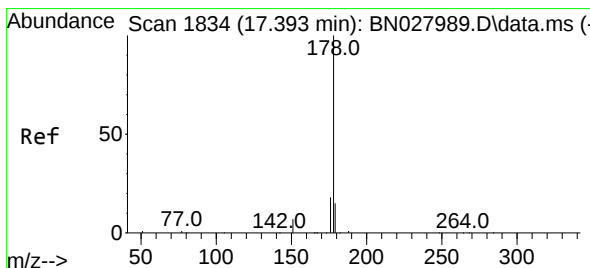
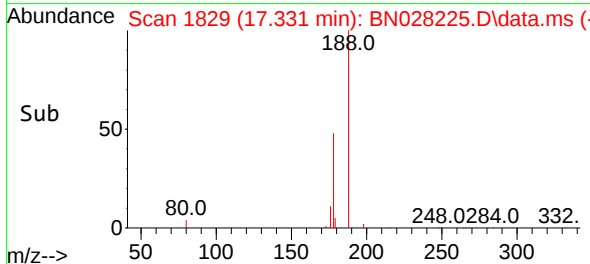
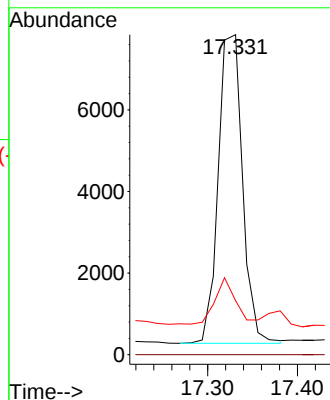
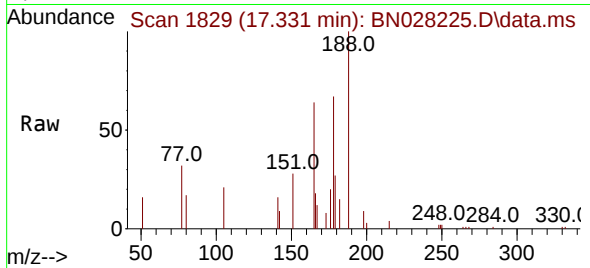
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.331 min Scan# 1829
Delta R.T. 0.012 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)

Tgt Ion:188 Resp: 14219
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.9 10.2 15.4

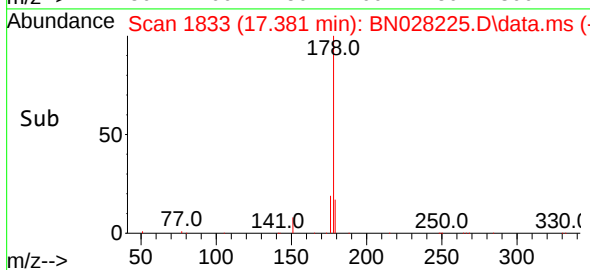
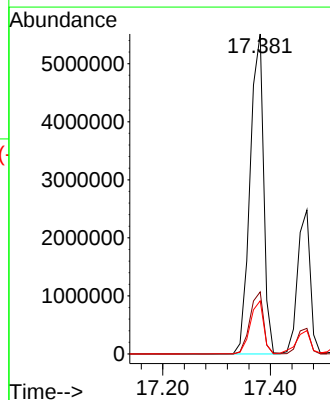
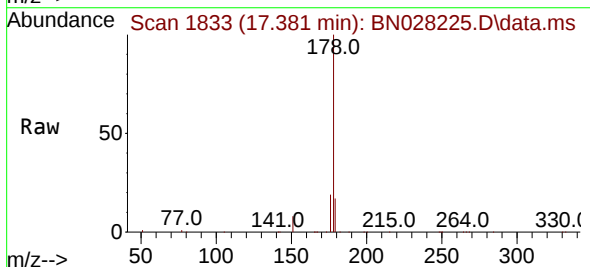
Manual Integrations
APPROVED

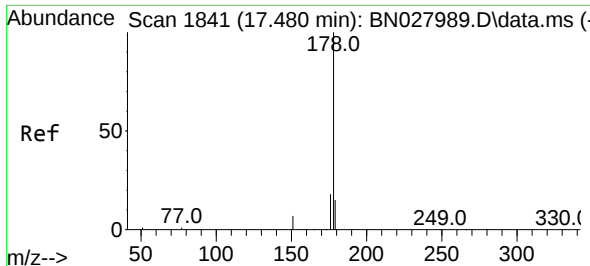
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#25
Phenanthrene
Concen: 250.415 ng
RT: 17.381 min Scan# 1833
Delta R.T. 0.012 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

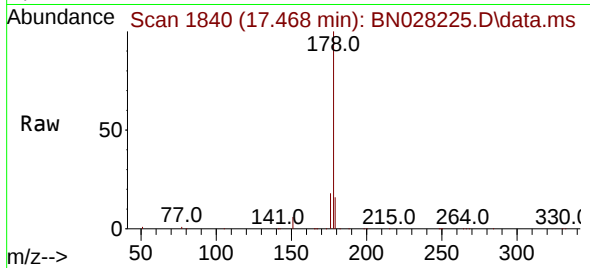
Tgt Ion:178 Resp: 9599409
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 16.6 12.4 18.6





#26
 Anthracene
 Concen: 109.573 ng
 RT: 17.468 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BN028225.D
 Acq: 11 Oct 2023 08:58

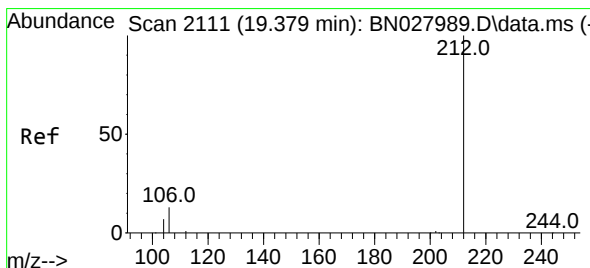
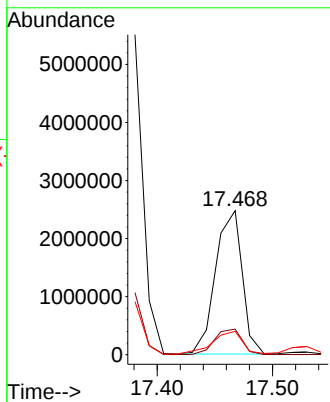
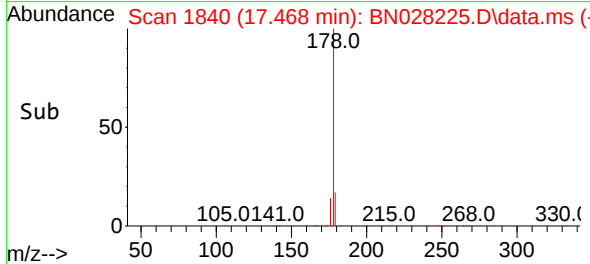
Instrument :
 BNA_N
 ClientSampleId :
 Q-1(5-10)



Tgt Ion:178 Resp: 3970208
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.7 22.1
 179 17.4 12.2 18.2

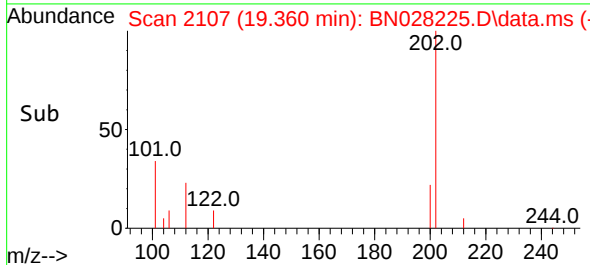
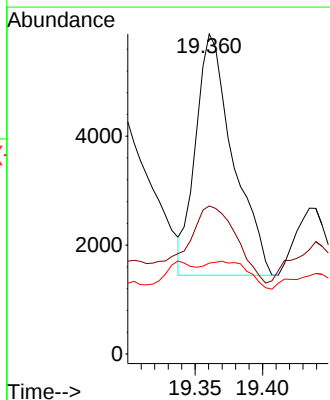
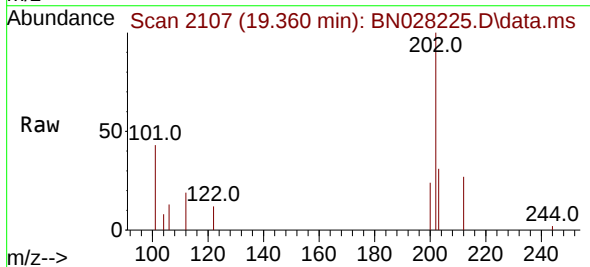
Manual Integrations
 APPROVED

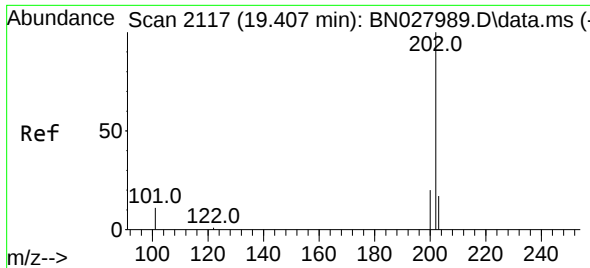
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.239 ng
 RT: 19.360 min Scan# 2107
 Delta R.T. 0.005 min
 Lab File: BN028225.D
 Acq: 11 Oct 2023 08:58

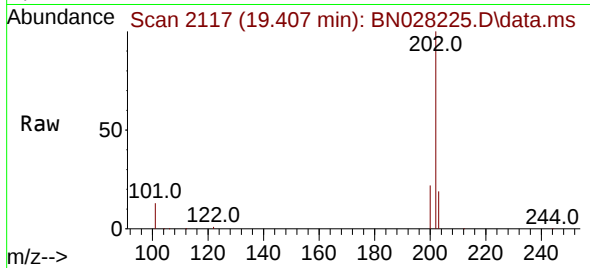
Tgt Ion:212 Resp: 8540
 Ion Ratio Lower Upper
 212 100
 106 42.2 11.3 16.9#
 104 0.0 6.4 9.6#





#28
Fluoranthene
Concen: 294.828 ng
RT: 19.407 min Scan# 2117
Delta R.T. 0.023 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

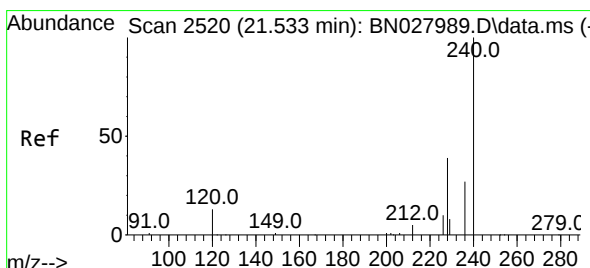
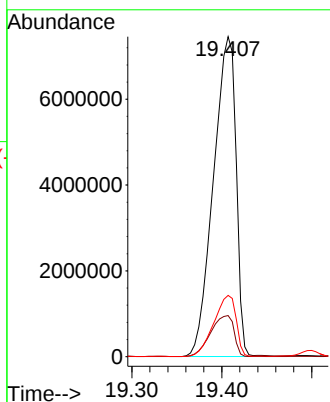
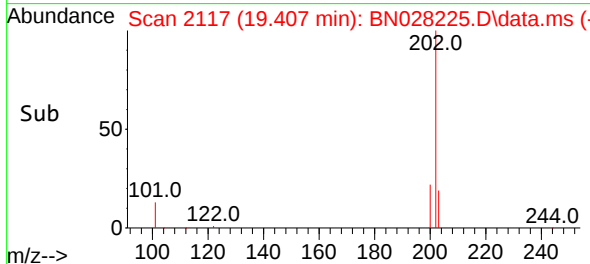
Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)



Tgt Ion:202 Resp:1304333
Ion Ratio Lower Upper
202 100
101 13.3 9.8 14.6
203 18.8 13.8 20.8

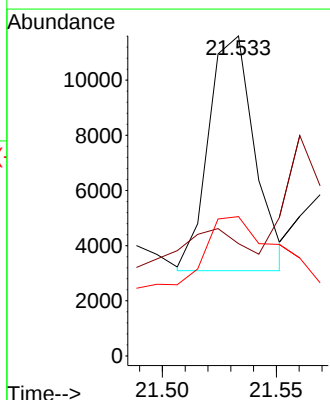
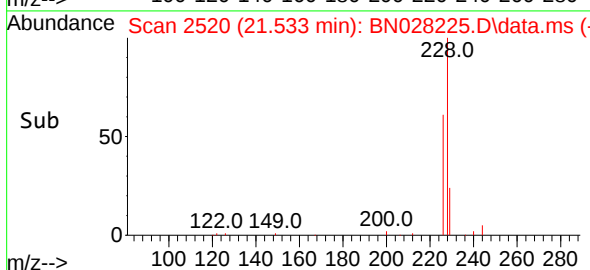
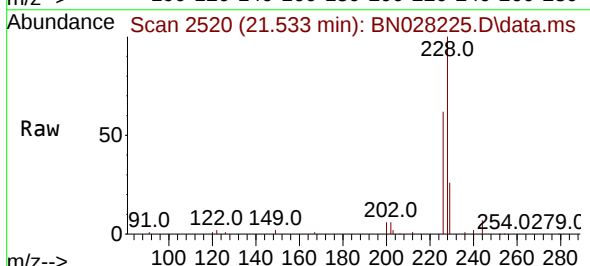
Manual Integrations
APPROVED

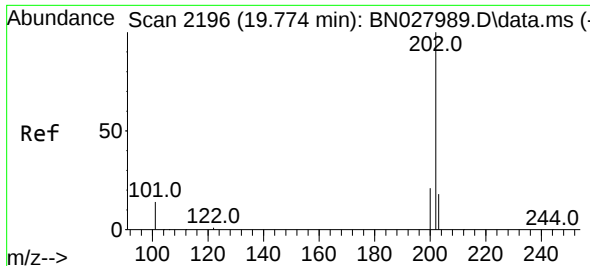
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.533 min Scan# 2520
Delta R.T. 0.018 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

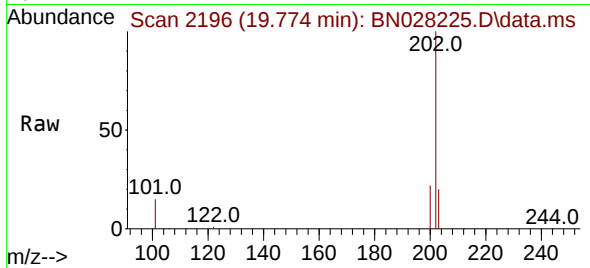
Tgt Ion:240 Resp: 12018
Ion Ratio Lower Upper
240 100
120 35.1 13.8 20.6#
236 43.6 22.6 33.8#





#30
Pyrene
Concen: 256.806 ng
RT: 19.774 min Scan# 2196
Delta R.T. 0.023 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

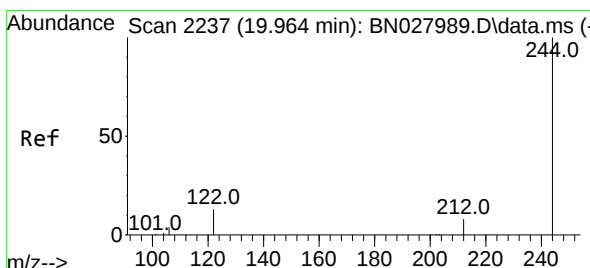
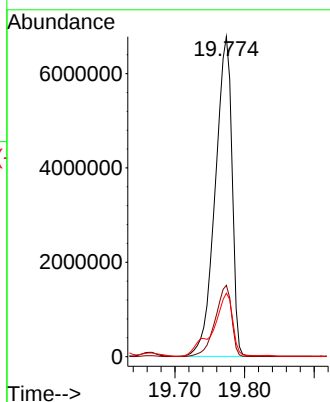
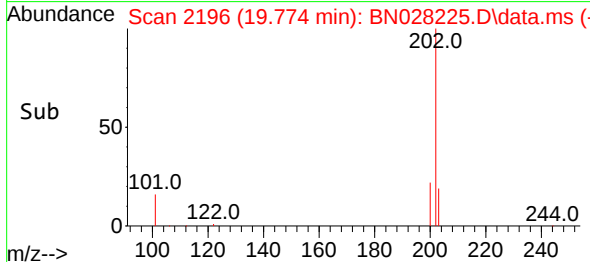
Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)



Tgt Ion:202 Resp:1131715
Ion Ratio Lower Upper
202 100
200 21.8 16.5 24.7
203 23.2 14.7 22.1

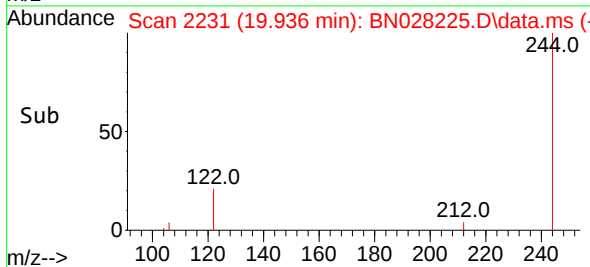
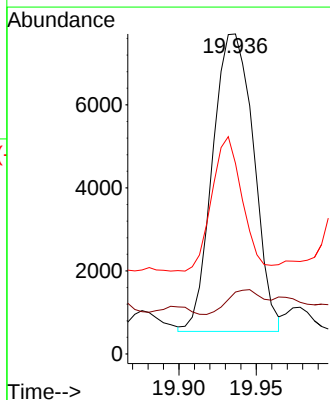
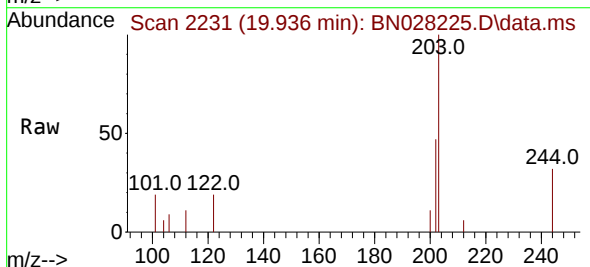
Manual Integrations
APPROVED

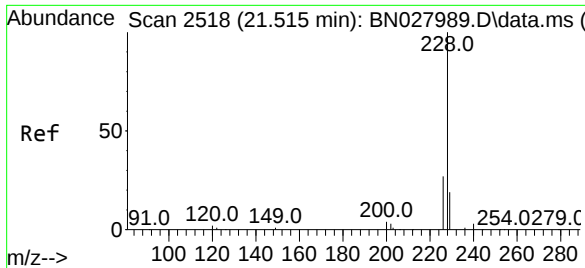
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.471 ng m
RT: 19.936 min Scan# 2231
Delta R.T. -0.005 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

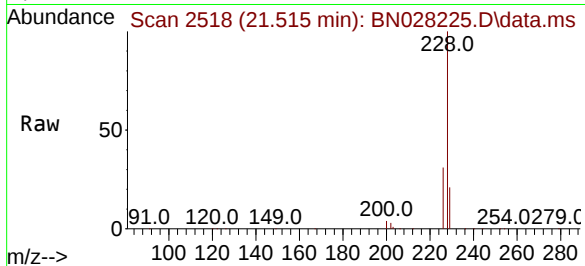
Tgt Ion:244 Resp: 13213
Ion Ratio Lower Upper
244 100
212 19.3 6.6 9.8#
122 59.6 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 157.295 ng
RT: 21.515 min Scan# 21518
Delta R.T. 0.018 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

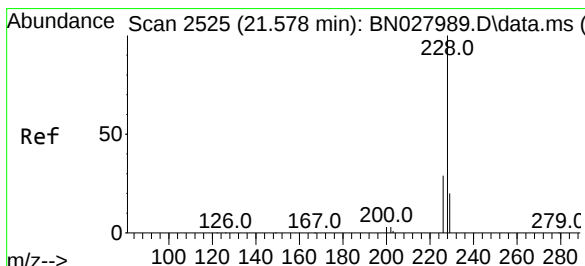
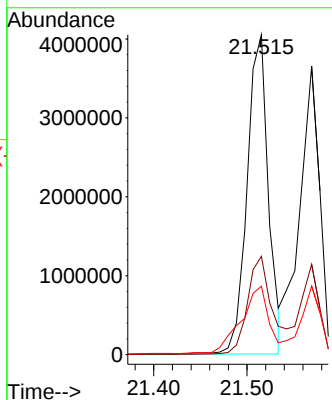
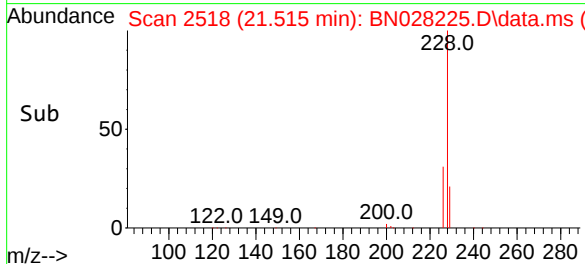
Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)



Tgt Ion:228 Resp: 6432590
Ion Ratio Lower Upper
228 100
226 30.8 22.0 33.0
229 21.4 16.0 24.0

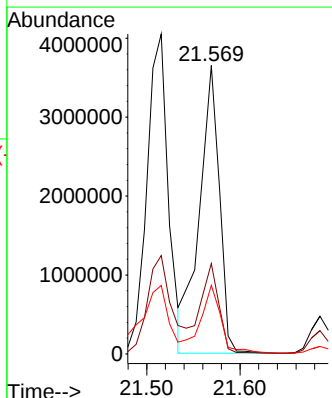
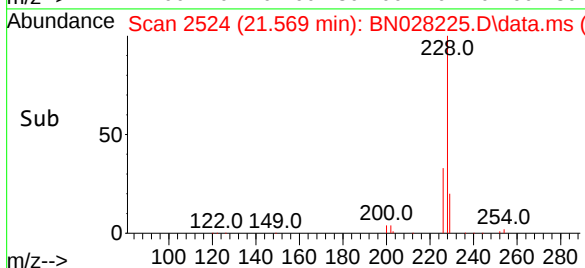
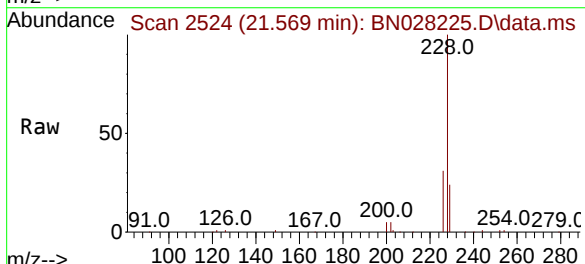
Manual Integrations
APPROVED

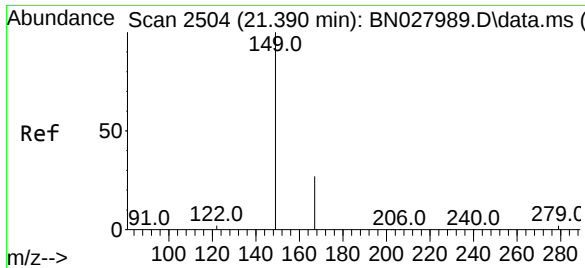
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#33
Chrysene
Concen: 139.015 ng
RT: 21.569 min Scan# 2524
Delta R.T. 0.018 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

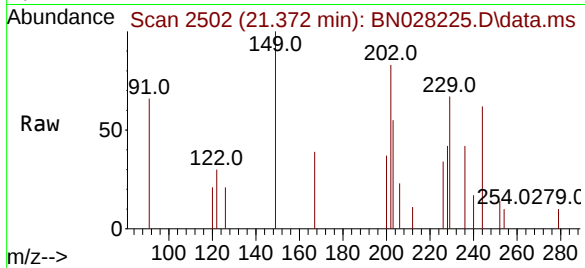
Tgt Ion:228 Resp: 5478673
Ion Ratio Lower Upper
228 100
226 31.3 23.8 35.8
229 23.8 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.364 ng
RT: 21.372 min Scan# 21372
Delta R.T. 0.009 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

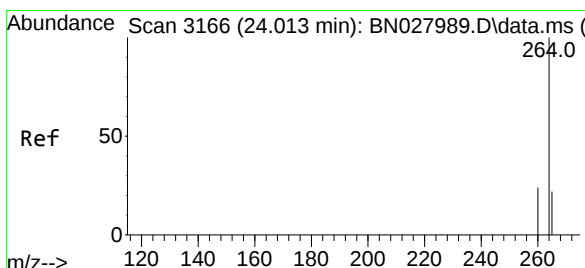
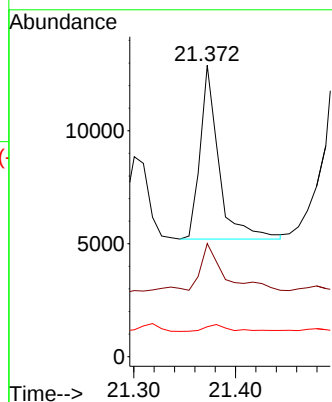
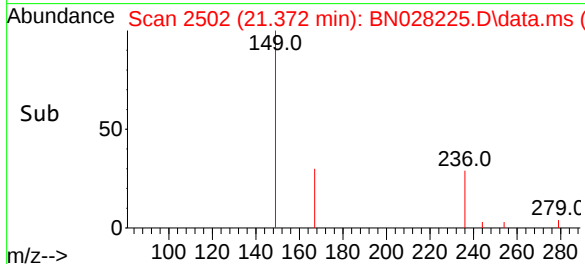
Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)



Tgt Ion:149 Resp: 9790
Ion Ratio Lower Upper
149 100
167 36.6 22.1 33.1#
279 5.1 3.4 5.0#

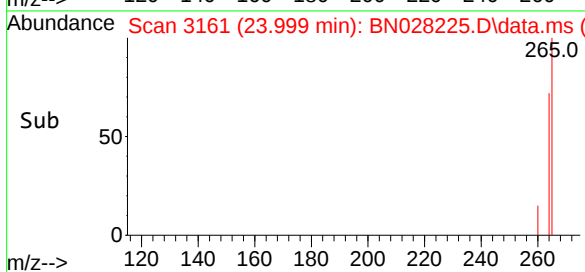
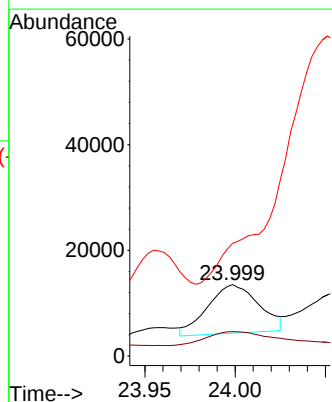
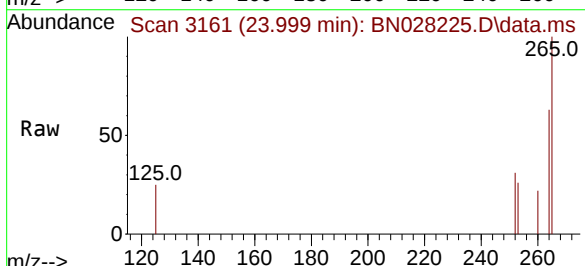
Manual Integrations
APPROVED

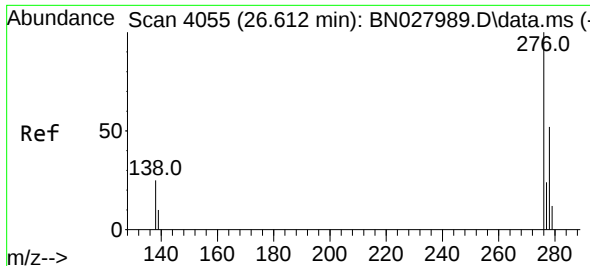
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.999 min Scan# 3161
Delta R.T. 0.023 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

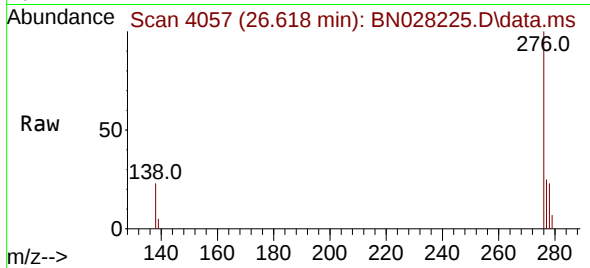
Tgt Ion:264 Resp: 18235
Ion Ratio Lower Upper
264 100
260 34.0 20.2 30.4#
265 157.9 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 56.282 ng
RT: 26.618 min Scan# 4055
Delta R.T. 0.061 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

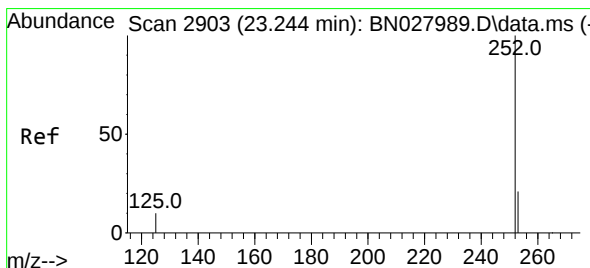
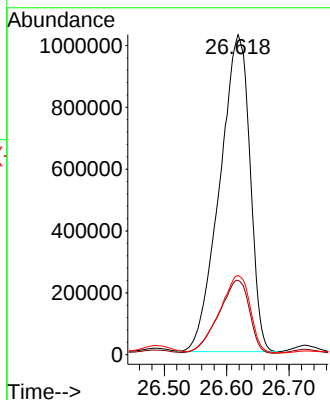
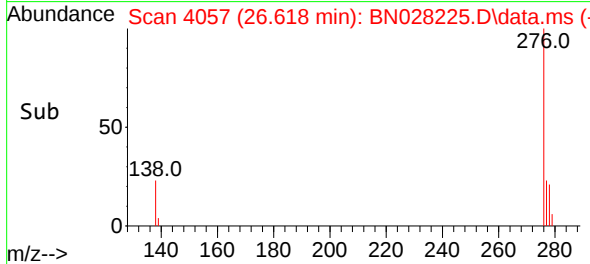
Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)



Tgt Ion:276 Resp: 345212
Ion Ratio Lower Upper
276 100
138 23.4 20.9 31.3
277 24.7 19.8 29.6

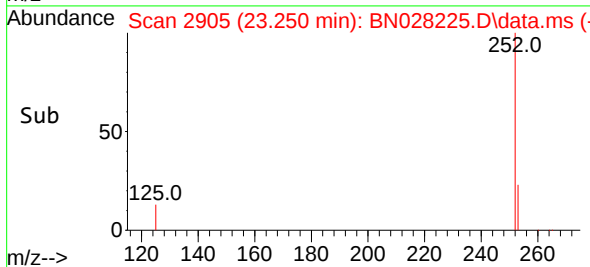
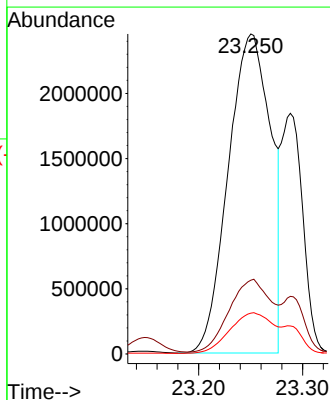
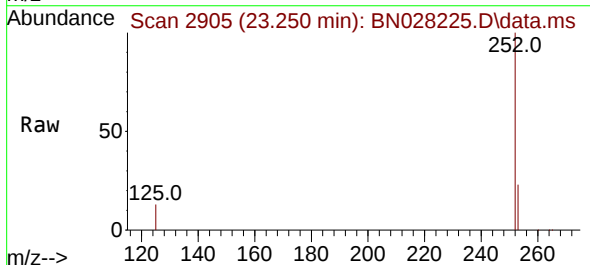
Manual Integrations
APPROVED

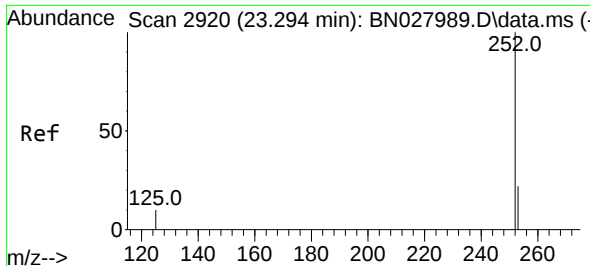
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#37
Benzo(b)fluoranthene
Concen: 118.188 ng
RT: 23.250 min Scan# 2905
Delta R.T. 0.038 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

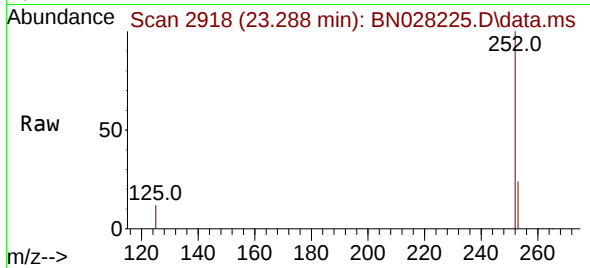
Tgt Ion:252 Resp: 6960411
Ion Ratio Lower Upper
252 100
253 23.1 22.9 34.3
125 12.8 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 44.394 ng m
RT: 23.288 min Scan# 2918
Delta R.T. 0.026 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

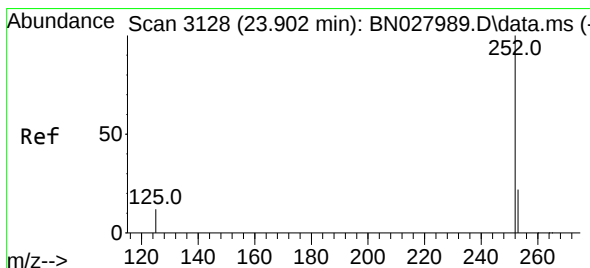
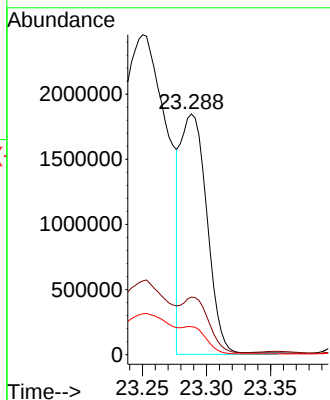
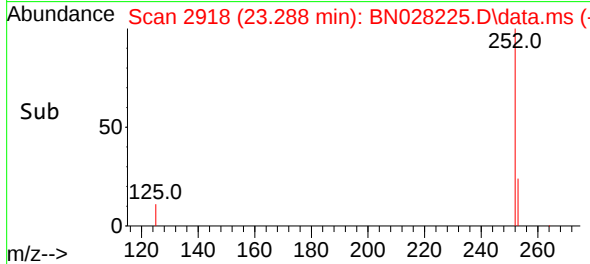
Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)



Tgt Ion:252 Resp: 2651798
Ion Ratio Lower Upper
252 100
253 24.0 23.1 34.7
125 11.6 13.8 20.8

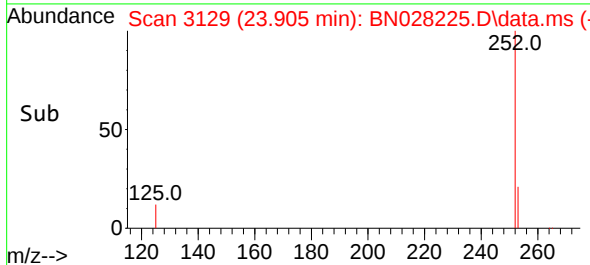
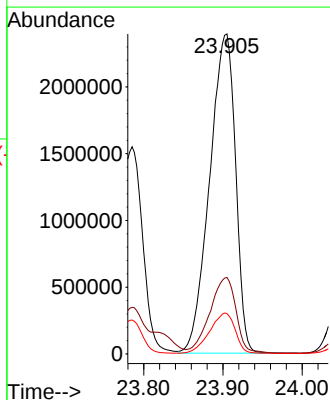
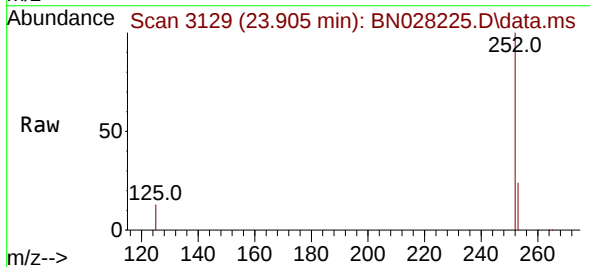
Manual Integrations
APPROVED

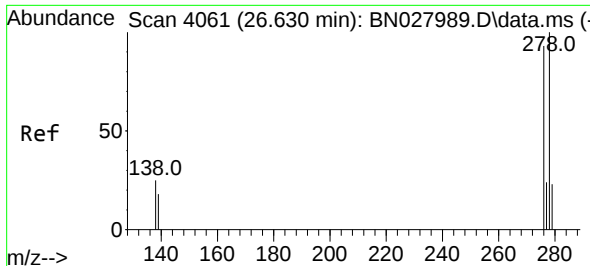
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#39
Benzo(a)pyrene
Concen: 97.612 ng m
RT: 23.905 min Scan# 3129
Delta R.T. 0.041 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

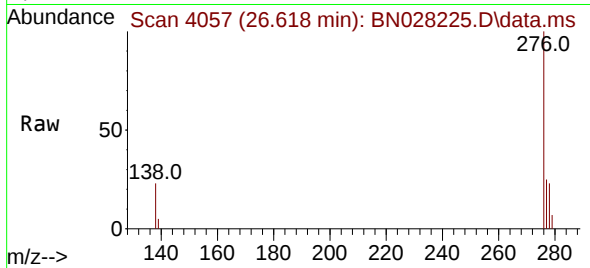
Tgt Ion:252 Resp: 5435746
Ion Ratio Lower Upper
252 100
253 23.9 25.0 37.4#
125 12.6 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 18.065 ng
RT: 26.618 min Scan# 4061
Delta R.T. 0.041 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

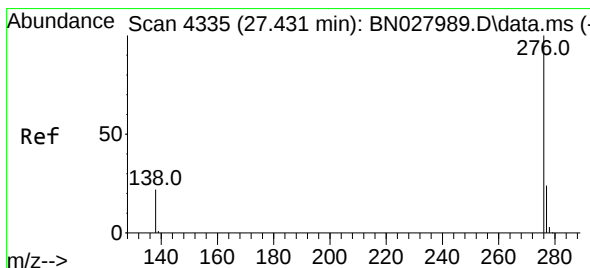
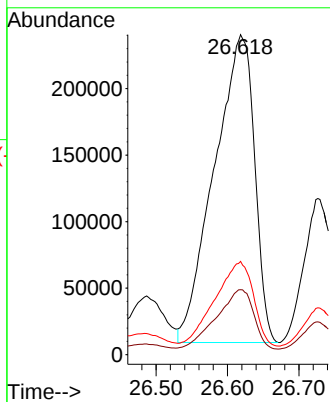
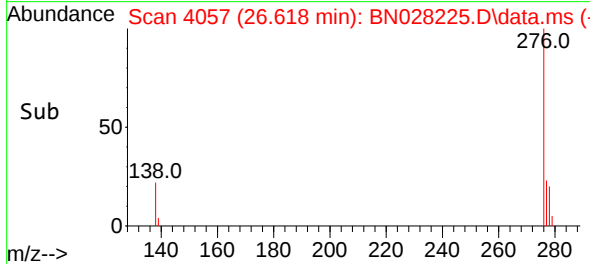
Instrument :
BNA_N
ClientSampleId :
Q-1(5-10)



Tgt Ion:278 Resp: 906420
Ion Ratio Lower Upper
278 100
139 20.3 17.7 26.5
279 29.1 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#41
Benzo(g,h,i)perylene
Concen: 62.993 ng
RT: 27.443 min Scan# 4339
Delta R.T. 0.076 min
Lab File: BN028225.D
Acq: 11 Oct 2023 08:58

Tgt Ion:276 Resp: 3244327
Ion Ratio Lower Upper
276 100
277 25.2 22.1 33.1
138 24.3 20.8 31.2

