

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028218.D
 Acq On : 11 Oct 2023 04:46
 Operator : MA/JU
 Sample : 04704-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 R-4(5-10)

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 05:50:34 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	3593	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11313	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	8421	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	12175	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	8709m	0.400	ng	0.00
35) Perylene-d12	23.987	264	21852	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	1707	0.159	ng	0.00
5) Phenol-d6	7.084	99	2699	0.200	ng	0.00
8) Nitrobenzene-d5	9.112	82	2833	0.294	ng	-0.01
11) 2-Methylnaphthalene-d10	12.317	152	3702	0.221	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	380	0.099	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	5348	0.176	ng	0.00
27) Fluoranthene-d10	19.360	212	7148	0.234	ng	0.00
31) Terphenyl-d14	19.941	244	7965	0.392	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	1217604	41.655	ng	98
12) 2-Methylnaphthalene	12.392	142	333521	16.311	ng	99
16) Acenaphthylene	14.288	152	1214697	32.562	ng	99
17) Acenaphthene	14.630	154	259604	10.917	ng	99
18) Fluorene	15.606	166	682432	22.096	ng	# 96
25) Phenanthrene	17.368	178	3814046	116.199	ng	99
26) Anthracene	17.455	178	1554812	50.115	ng	# 95
28) Fluoranthene	19.393	202	3901040	102.982	ng	98
30) Pyrene	19.760	202	4716165	147.680	ng	96
32) Benzo(a)anthracene	21.506	228	2388136	80.585	ng	93
33) Chrysene	21.560	228	2197218	76.935	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	6758	0.347	ng	# 1
36) Indeno(1,2,3-cd)pyrene	26.586	276	1223720	16.649	ng	97
37) Benzo(b)fluoranthene	23.230	252	2346692	33.251	ng	# 89
38) Benzo(k)fluoranthene	23.271	252	906320m	12.661	ng	
39) Benzo(a)pyrene	23.885	252	2259089m	33.853	ng	
40) Dibenzo(a,h)anthracene	26.595	278	371691	6.182	ng	99
41) Benzo(g,h,i)perylene	27.410	276	1258331	20.388	ng	95

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

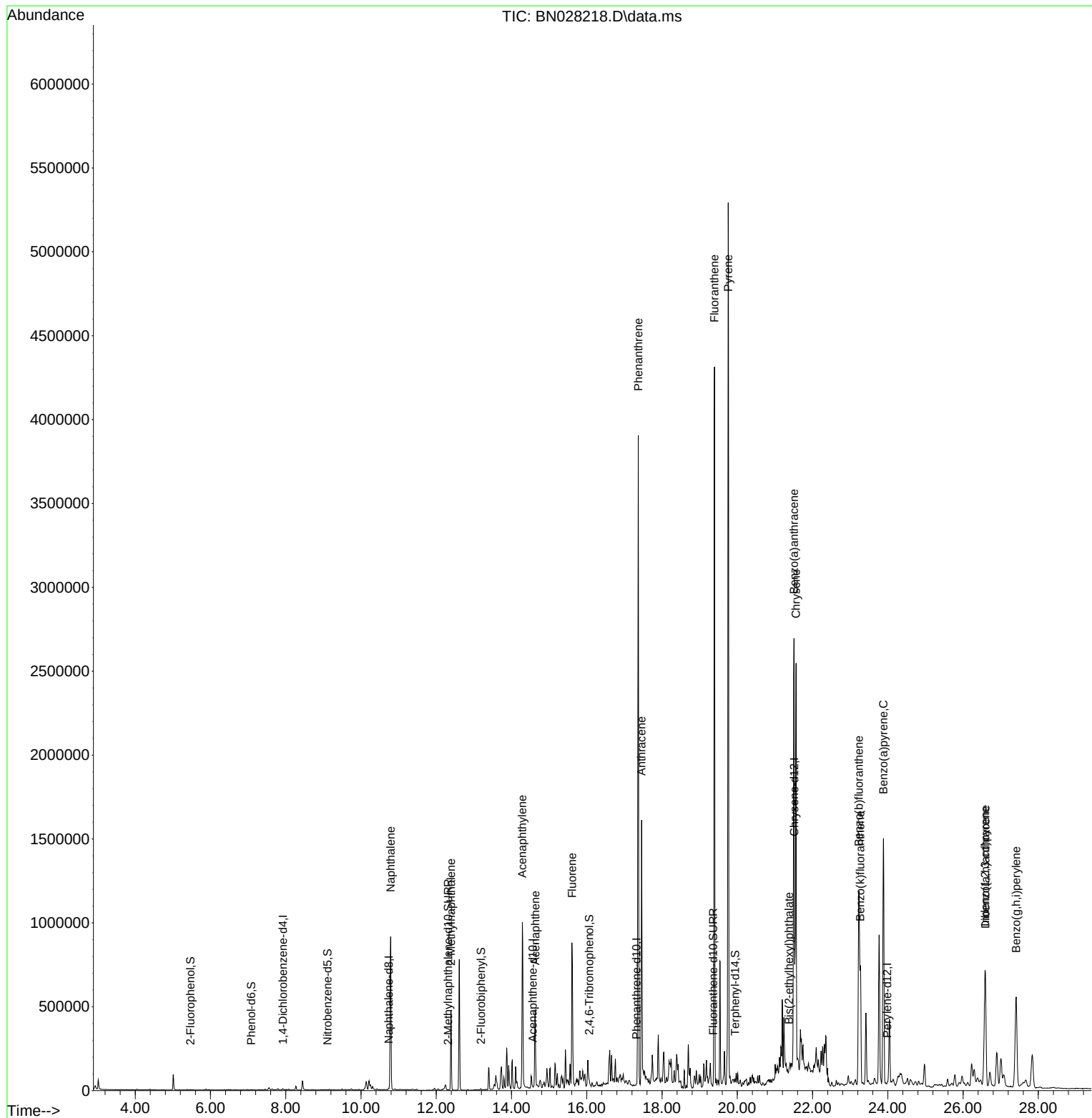
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028218.D
Acq On : 11 Oct 2023 04:46
Operator : MA/JU
Sample : 04704-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

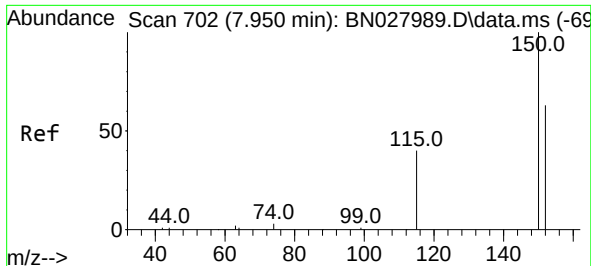
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)

Manual Integrations
APPROVED

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

Quant Time: Oct 11 05:50:34 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





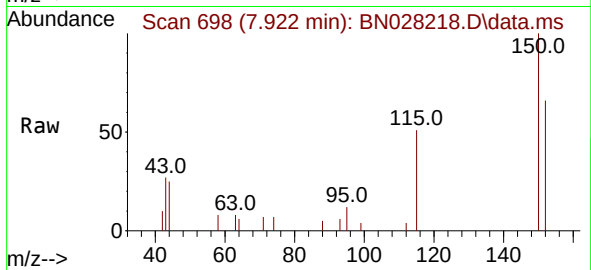
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

Instrument :

BNA_N

ClientSampleId :

R-4(5-10)



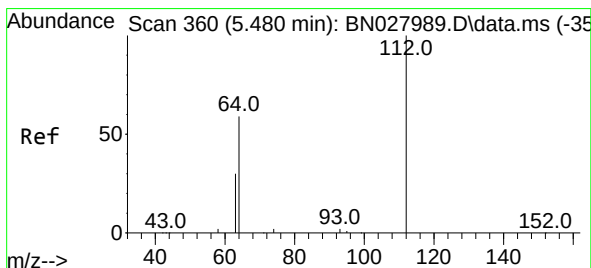
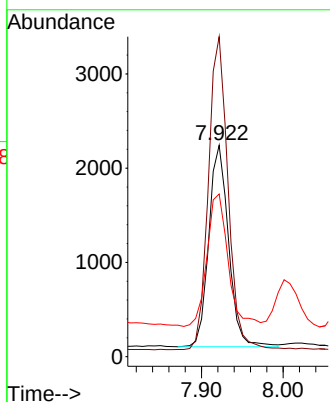
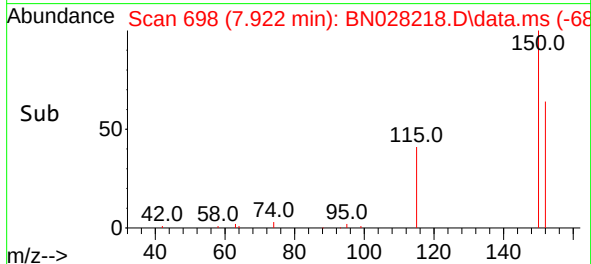
Tgt Ion:152 Resp: 359
Ion Ratio Lower Upper
152 100
150 151.4 125.6 188.4
115 77.0 54.8 82.2

Manual Integrations

APPROVED

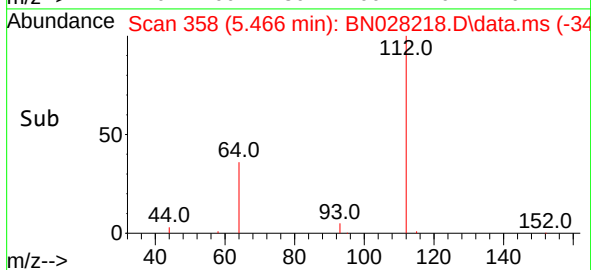
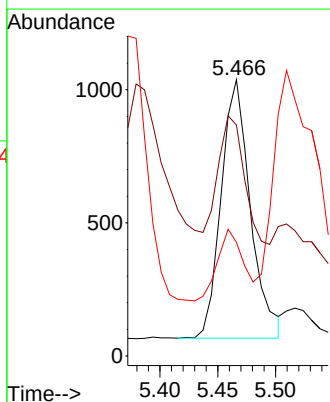
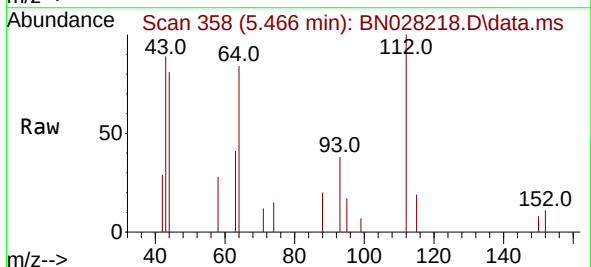
Reviewed By :Yogesh Patel 10/11/2023

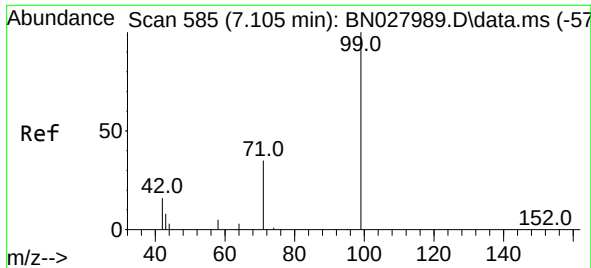
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.159 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

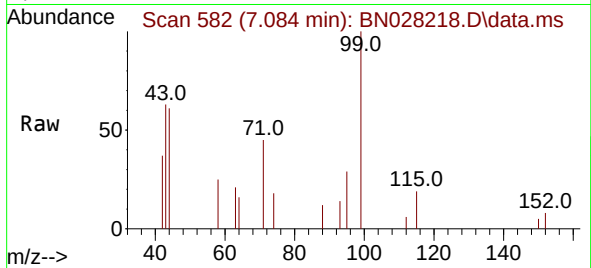
Tgt Ion:112 Resp: 1707
Ion Ratio Lower Upper
112 100
64 47.2 45.0 67.6
63 24.8 23.4 35.0





#5
Phenol-d6
Concen: 0.200 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

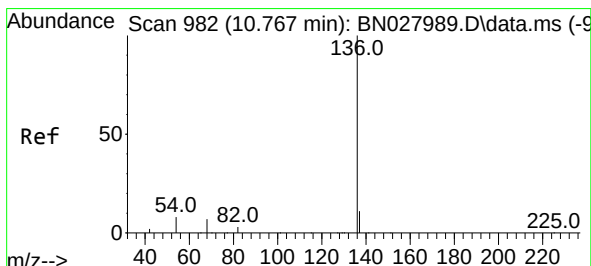
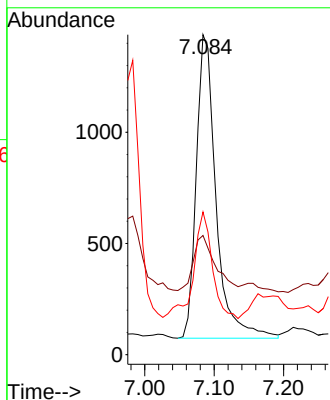
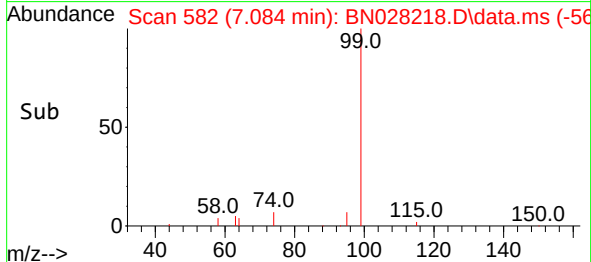
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



Tgt Ion: 99 Resp: 269
Ion Ratio Lower Upper
99 100
42 20.2 14.6 22.0
71 33.2 28.3 42.5

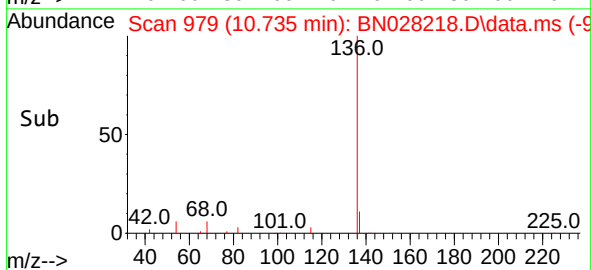
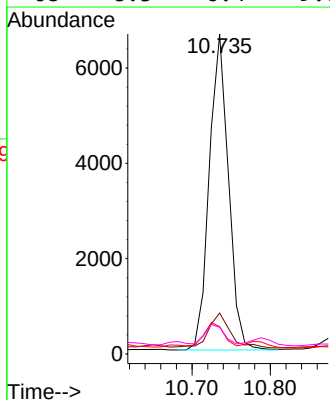
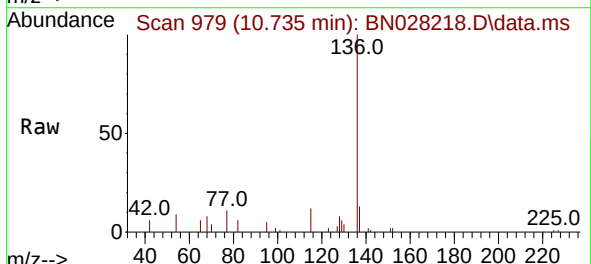
Manual Integrations
APPROVED

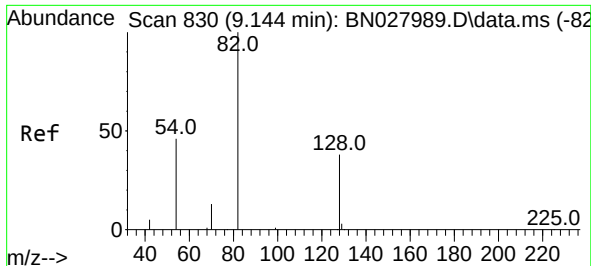
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

Tgt Ion:136 Resp: 11313
Ion Ratio Lower Upper
136 100
137 12.8 9.4 14.0
54 8.5 7.0 10.6
68 8.3 6.4 9.6





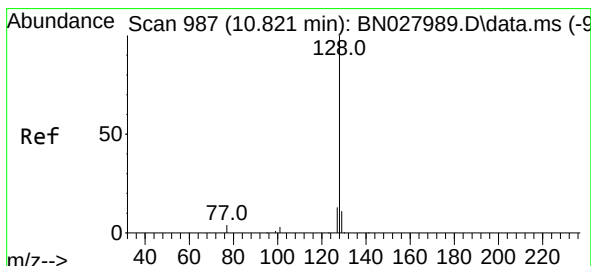
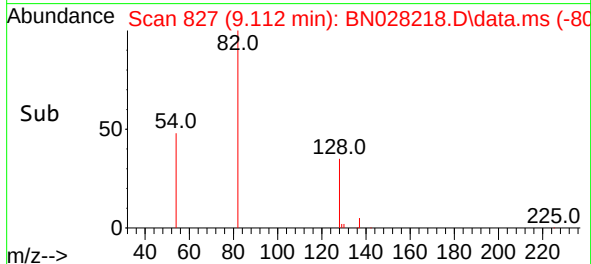
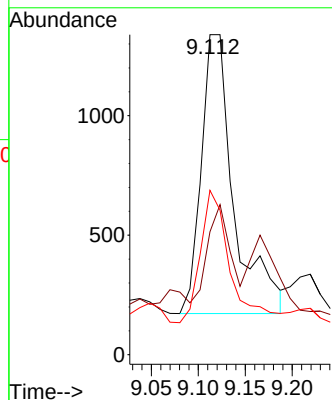
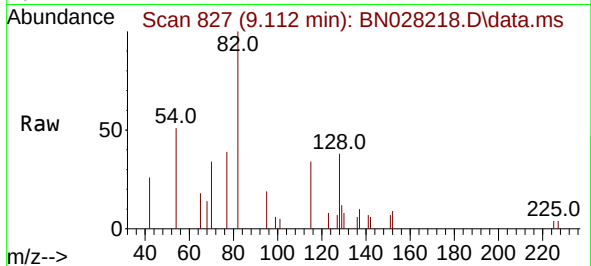
#8
Nitrobenzene-d5
Concen: 0.294 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

Instrument :
BNA_N
ClientSampleId :
R-4(5-10)

Tgt Ion: 82 Resp: 283
Ion Ratio Lower Upper
82 100
128 38.4 32.7 49.1
54 51.4 38.7 58.1

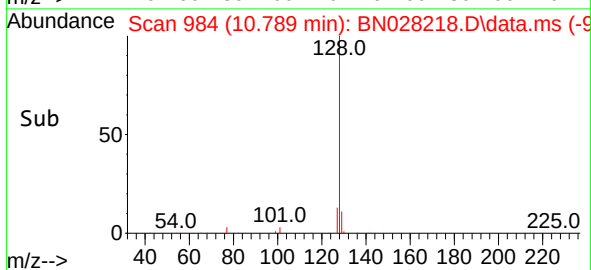
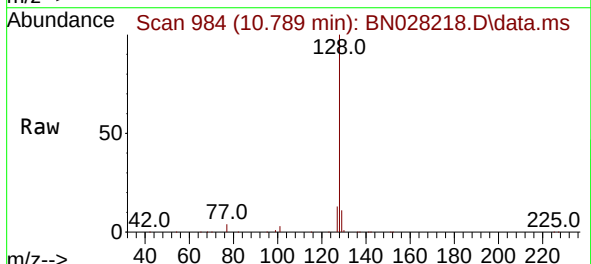
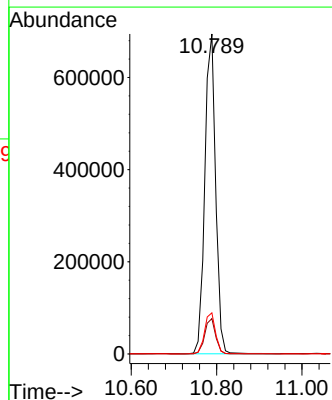
Manual Integrations
APPROVED

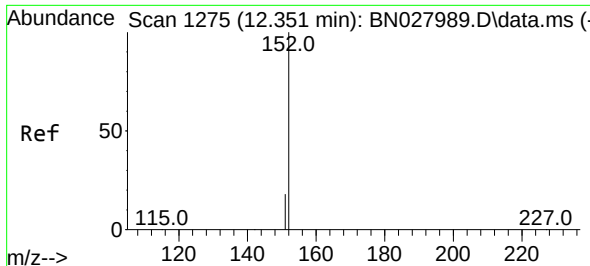
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 41.655 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

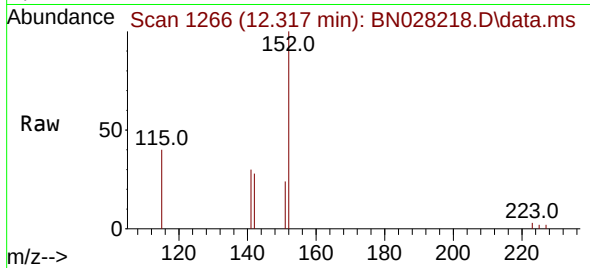
Tgt Ion:128 Resp: 1217604
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.8 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.221 ng
RT: 12.317 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

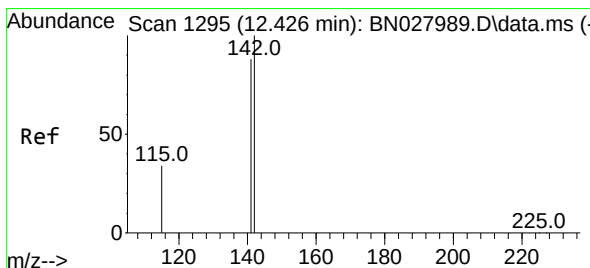
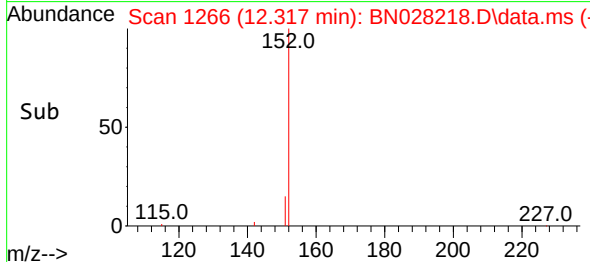
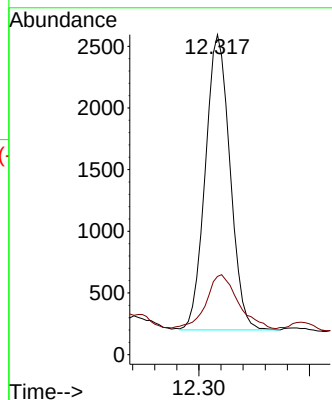
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



Tgt Ion:152 Resp: 3702
Ion Ratio Lower Upper
152 100
151 23.8 16.5 24.7

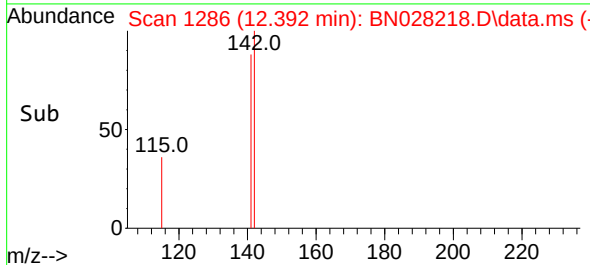
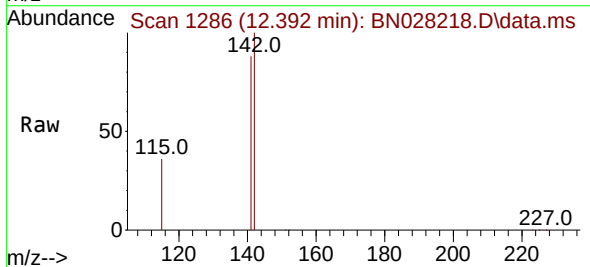
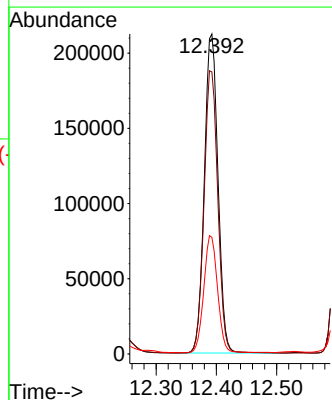
Manual Integrations
APPROVED

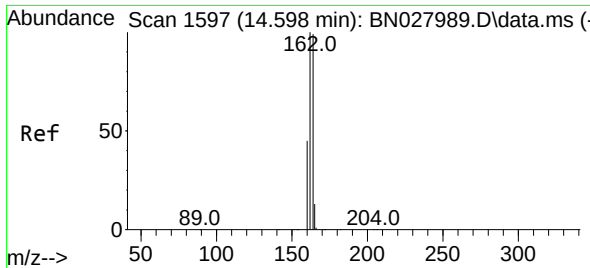
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#12
2-Methylnaphthalene
Concen: 16.311 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

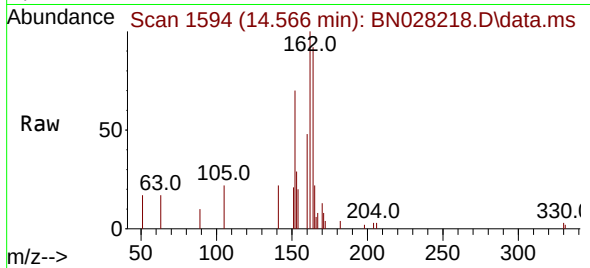
Tgt Ion:142 Resp: 333521
Ion Ratio Lower Upper
142 100
141 88.1 70.7 106.1
115 36.5 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

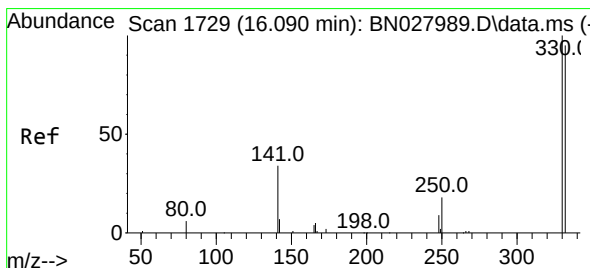
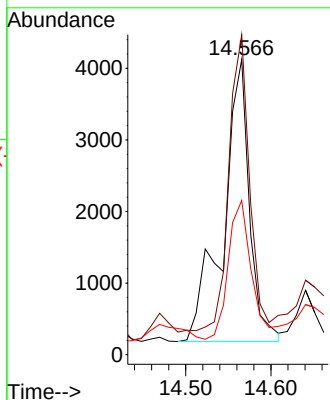
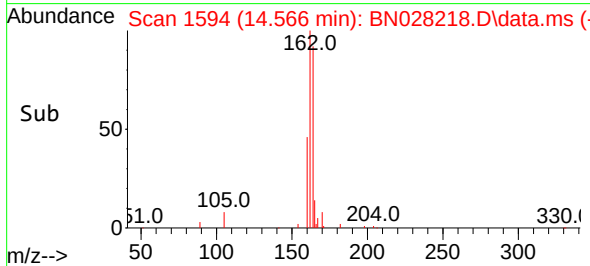
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



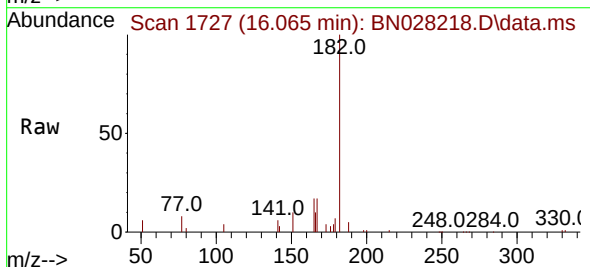
Tgt Ion:164 Resp: 842
Ion Ratio Lower Upper
164 100
162 108.4 80.8 121.2
160 52.3 36.4 54.6

Manual Integrations
APPROVED

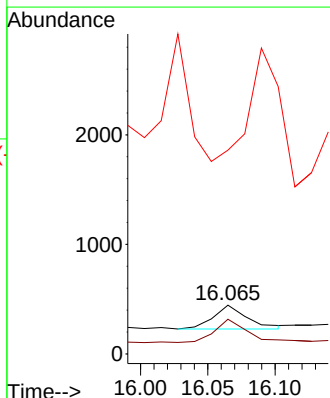
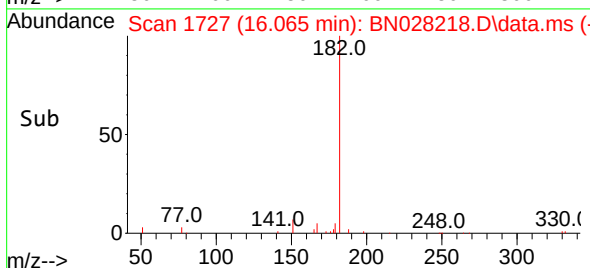
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

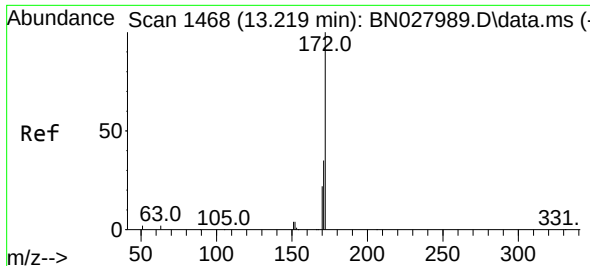


#14
2,4,6-Tribromophenol
Concen: 0.099 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46



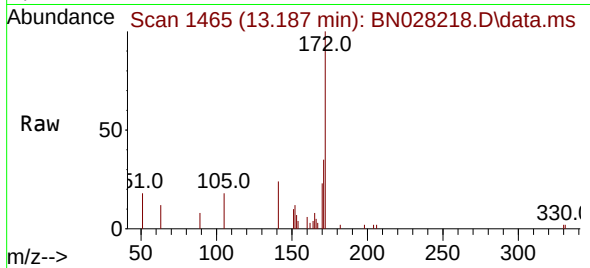
Tgt Ion:330 Resp: 380
Ion Ratio Lower Upper
330 100
332 99.2 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.176 ng
RT: 13.187 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

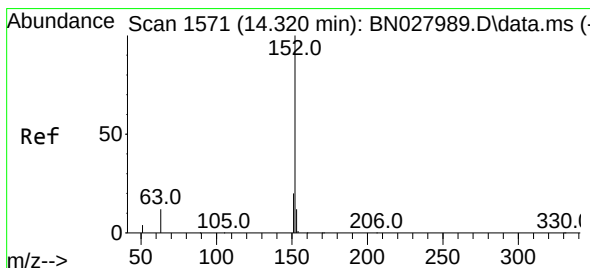
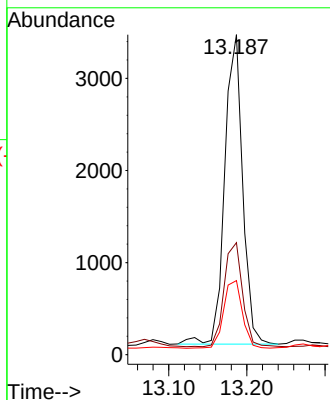
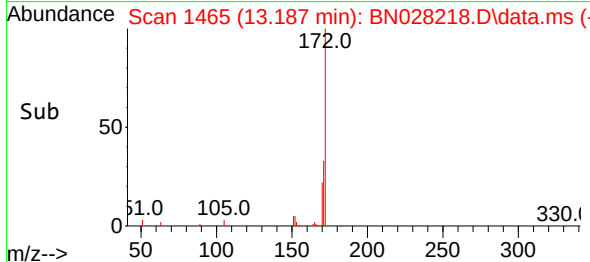
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



Tgt Ion:172 Resp: 5348
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.1 18.4 27.6

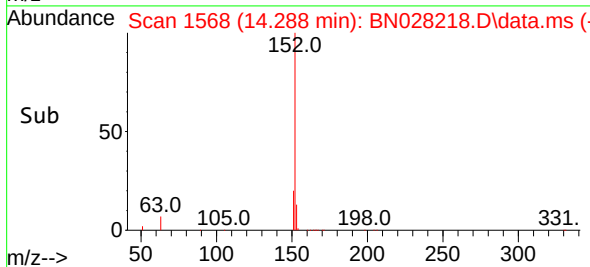
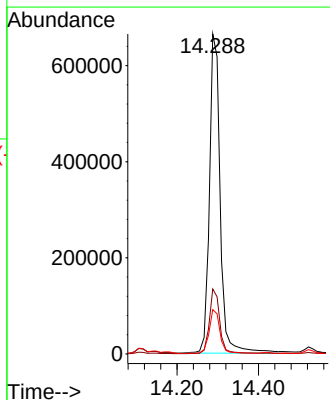
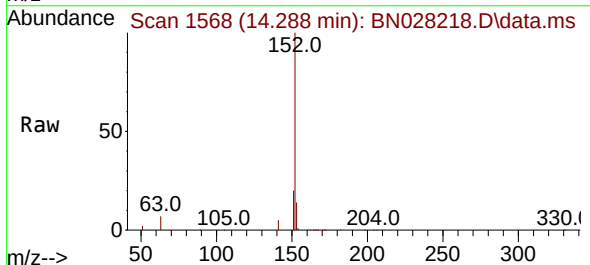
Manual Integrations
APPROVED

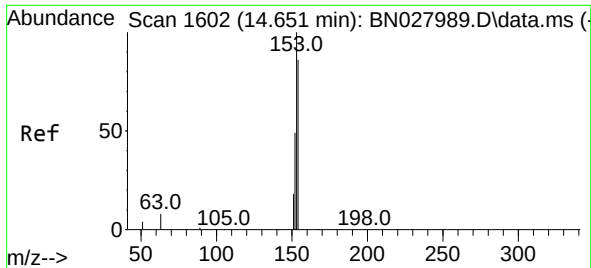
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 32.562 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

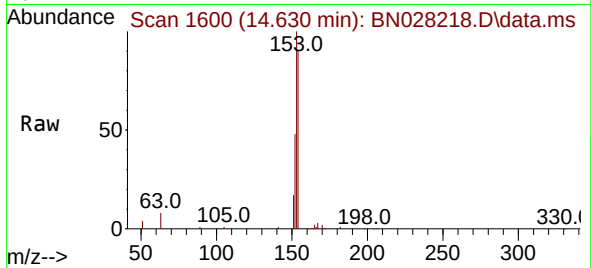
Tgt Ion:152 Resp: 1214697
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.8 10.2 15.4





#17
Acenaphthene
Concen: 10.917 ng
RT: 14.630 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

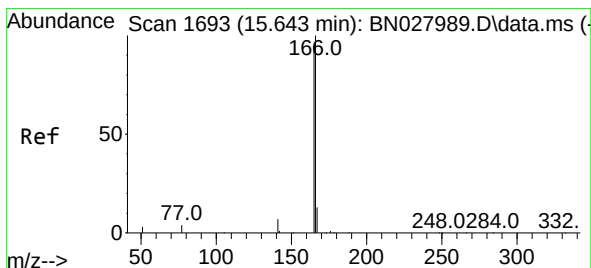
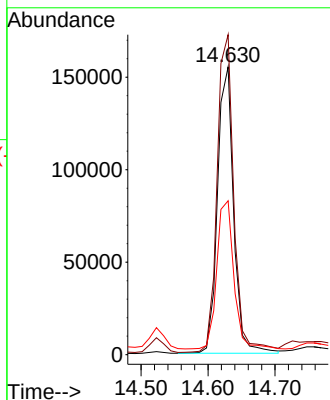
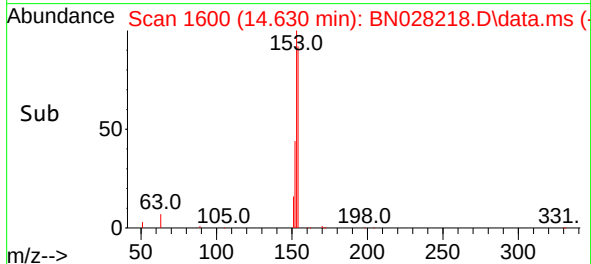
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



Tgt Ion:154 Resp: 259604
Ion Ratio Lower Upper
154 100
153 114.7 90.8 136.2
152 54.6 43.9 65.9

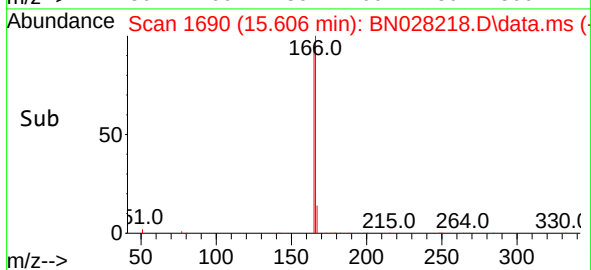
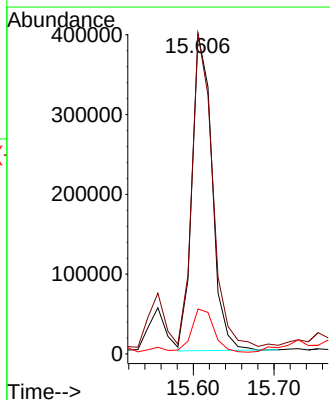
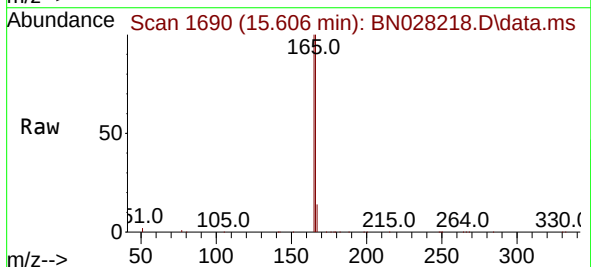
Manual Integrations
APPROVED

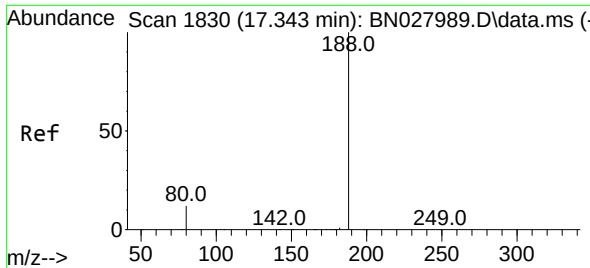
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#18
Fluorene
Concen: 22.096 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

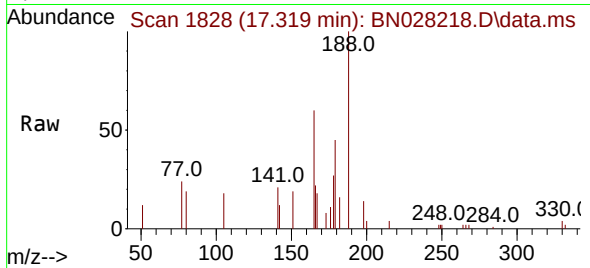
Tgt Ion:166 Resp: 682432
Ion Ratio Lower Upper
166 100
165 100.6 77.8 116.8
167 16.6 10.7 16.1#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

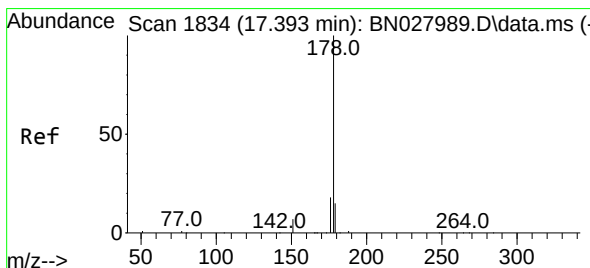
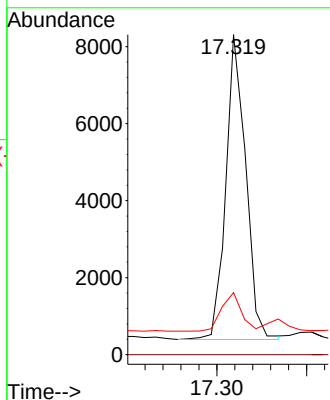
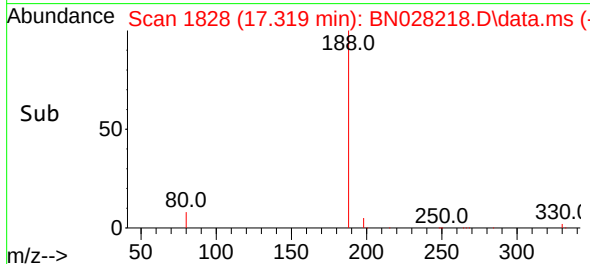
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



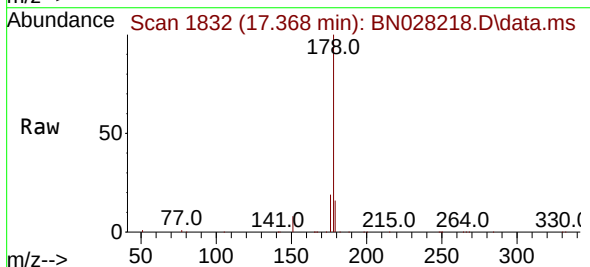
Tgt Ion:188 Resp: 1217
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 19.4 10.2 15.4

Manual Integrations
APPROVED

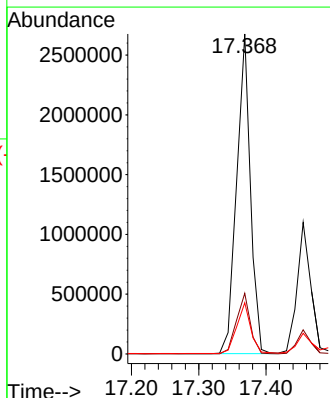
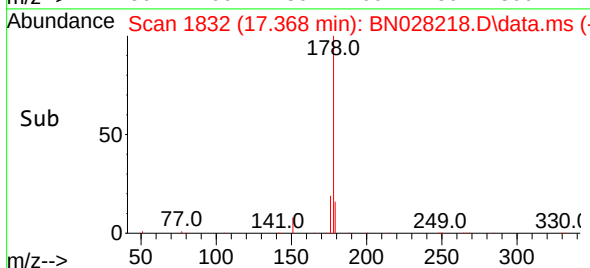
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

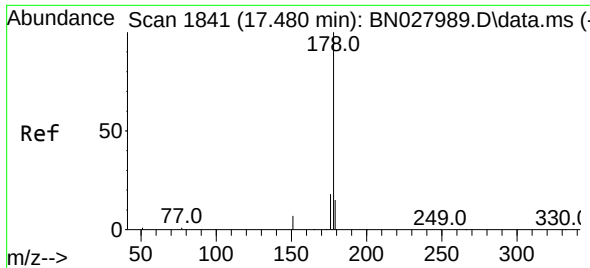


#25
Phenanthrene
Concen: 116.199 ng
RT: 17.368 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46



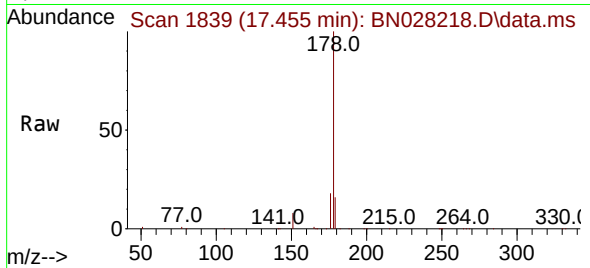
Tgt Ion:178 Resp: 3814046
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 16.1 12.4 18.6





#26
 Anthracene
 Concen: 50.115 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028218.D
 Acq: 11 Oct 2023 04:46

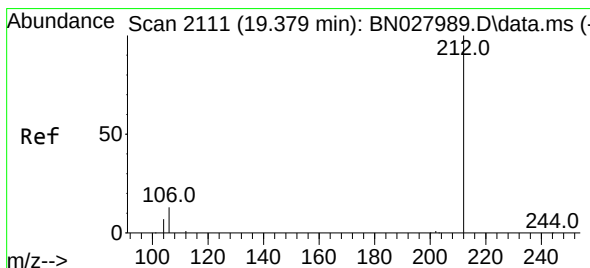
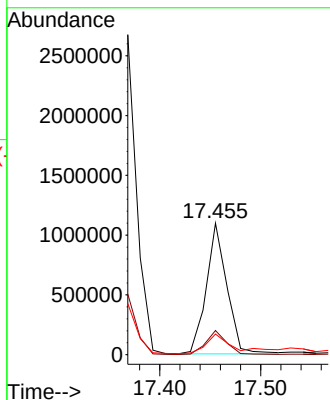
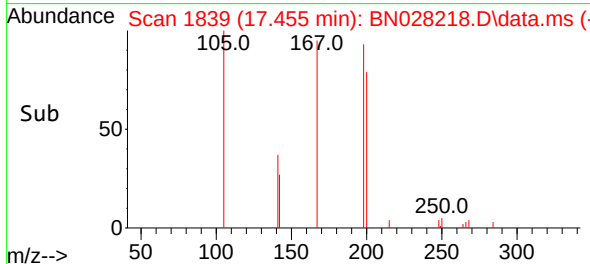
Instrument :
 BNA_N
 ClientSampleId :
 R-4(5-10)



Tgt Ion:178 Resp: 1554812
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 20.1 12.2 18.2

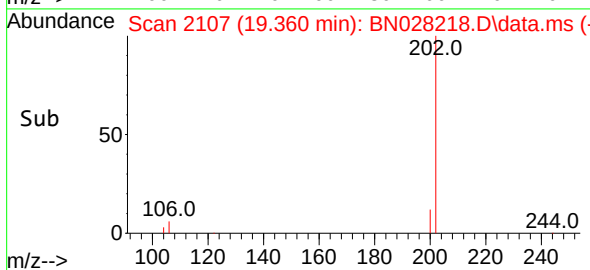
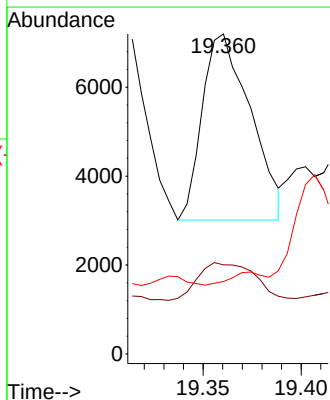
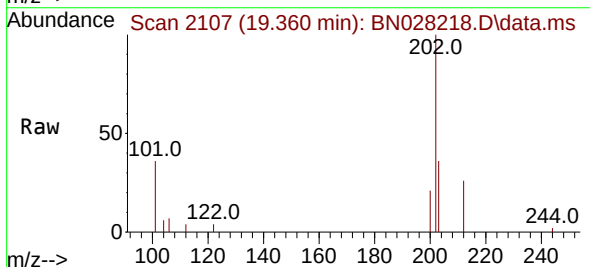
Manual Integrations
 APPROVED

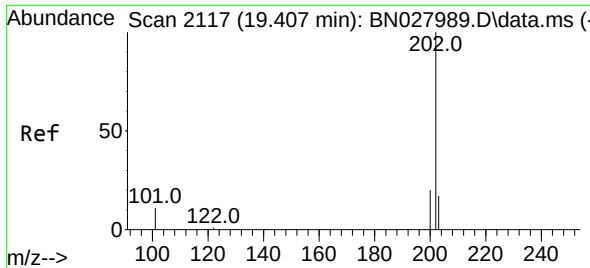
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.234 ng
 RT: 19.360 min Scan# 2107
 Delta R.T. 0.005 min
 Lab File: BN028218.D
 Acq: 11 Oct 2023 04:46

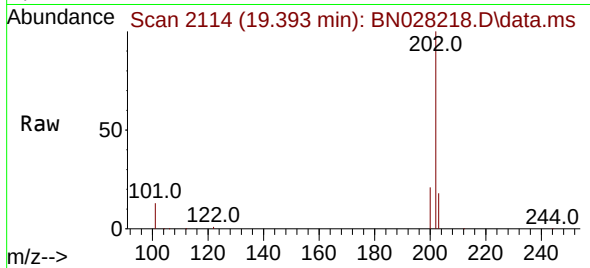
Tgt Ion:212 Resp: 7148
 Ion Ratio Lower Upper
 212 100
 106 23.9 11.3 16.9#
 104 4.9 6.4 9.6#





#28
Fluoranthene
Concen: 102.982 ng
RT: 19.393 min Scan# 2114
Delta R.T. 0.009 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

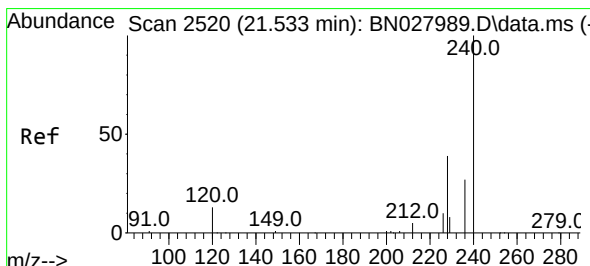
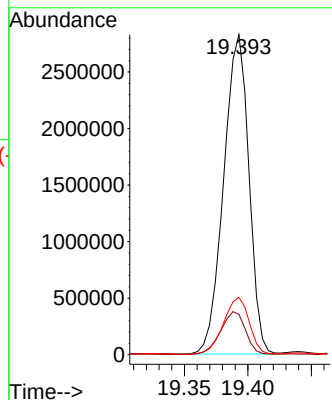
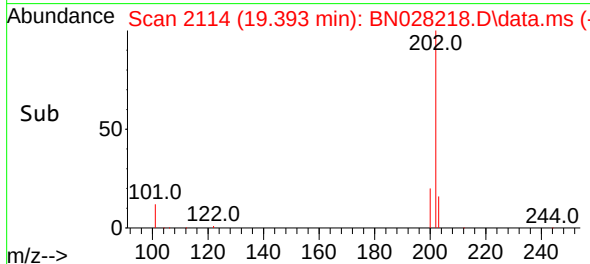
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



Tgt Ion:202 Resp: 3901040
Ion Ratio Lower Upper
202 100
101 13.3 9.8 14.6
203 18.0 13.8 20.8

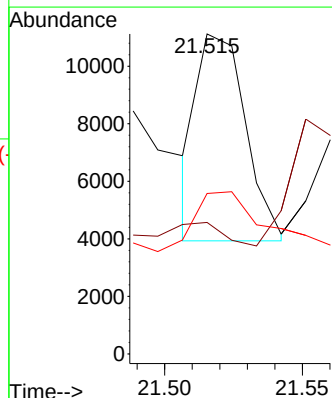
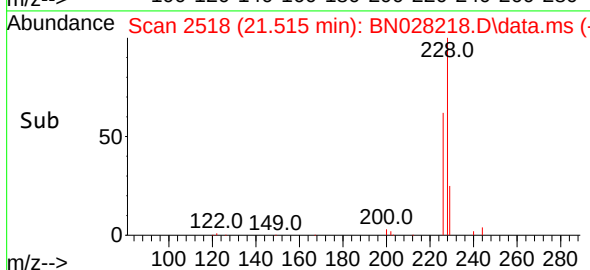
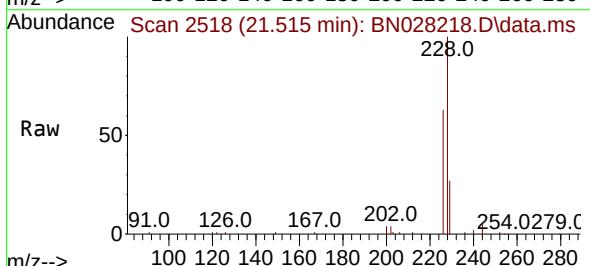
Manual Integrations
APPROVED

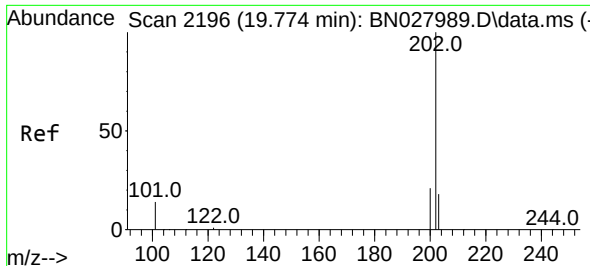
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

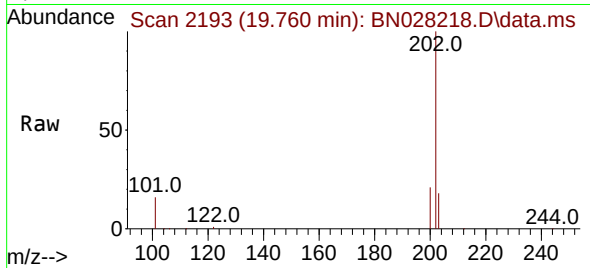
Tgt Ion:240 Resp: 8709
Ion Ratio Lower Upper
240 100
120 41.1 13.8 20.6#
236 50.2 22.6 33.8#





#30
Pyrene
Concen: 147.680 ng
RT: 19.760 min Scan# 2196
Delta R.T. 0.009 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

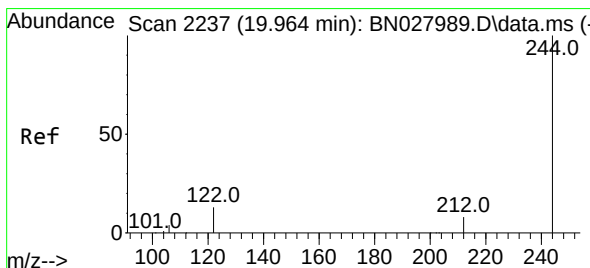
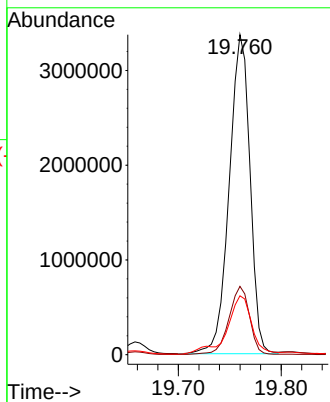
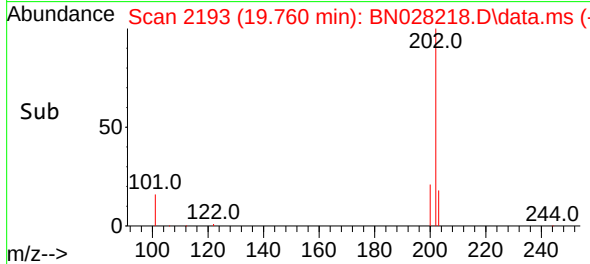
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



Tgt Ion:202 Resp: 471616
Ion Ratio Lower Upper
202 100
200 21.0 16.5 24.7
203 21.4 14.7 22.1

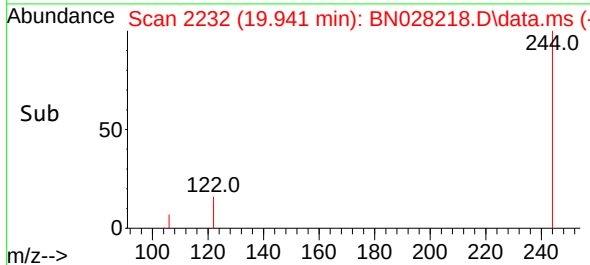
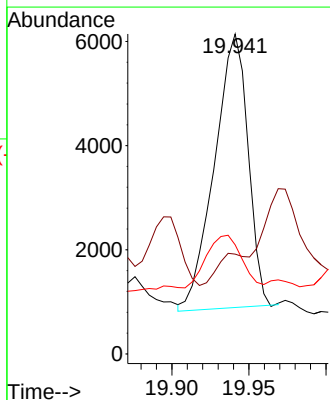
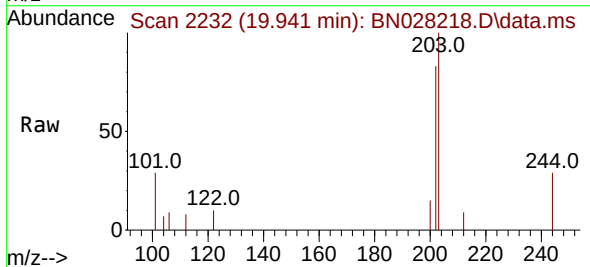
Manual Integrations
APPROVED

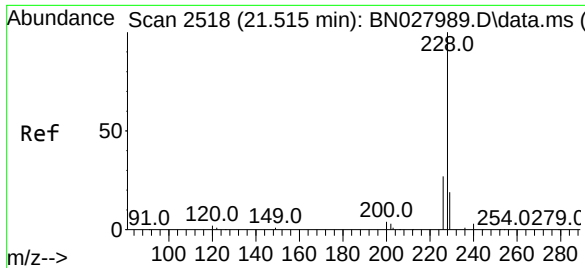
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.392 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

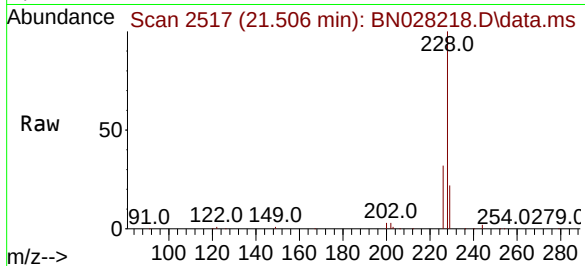
Tgt Ion:244 Resp: 7965
Ion Ratio Lower Upper
244 100
212 31.2 6.6 9.8#
122 34.1 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 80.585 ng
RT: 21.506 min Scan# 21506
Delta R.T. 0.009 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

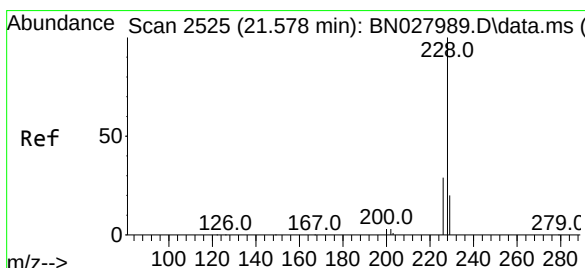
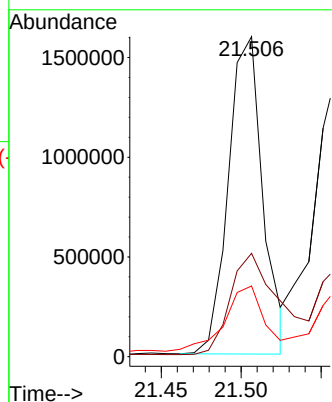
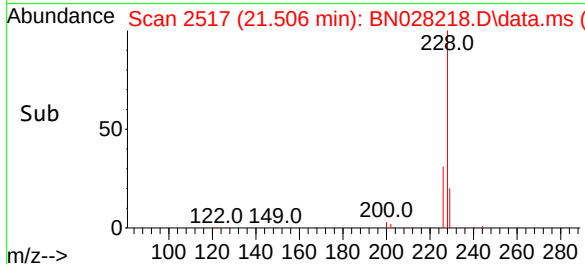
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



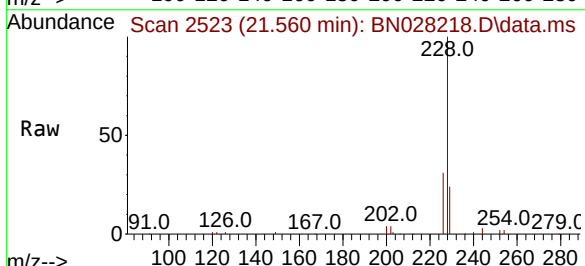
Tgt Ion:228 Resp: 2388130
Ion Ratio Lower Upper
228 100
226 32.3 22.0 33.0
229 22.1 16.0 24.0

Manual Integrations
APPROVED

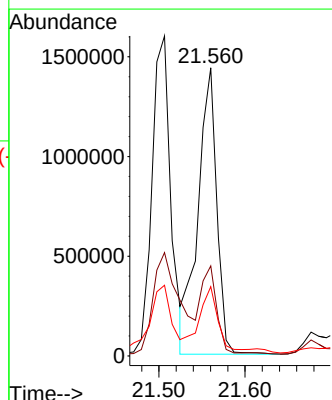
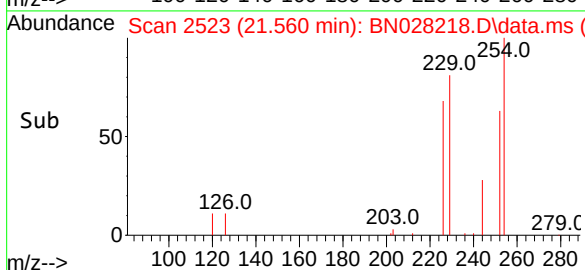
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

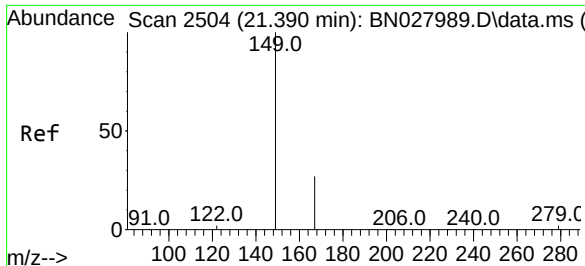


#33
Chrysene
Concen: 76.935 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46



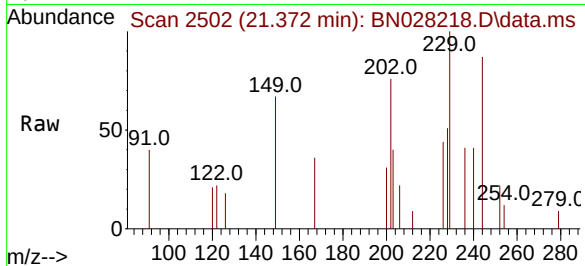
Tgt Ion:228 Resp: 2197218
Ion Ratio Lower Upper
228 100
226 31.3 23.8 35.8
229 24.1 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.347 ng
RT: 21.372 min Scan# 21372
Delta R.T. 0.009 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

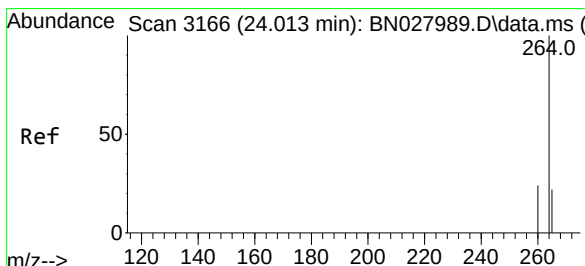
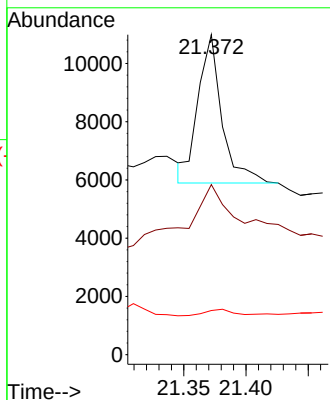
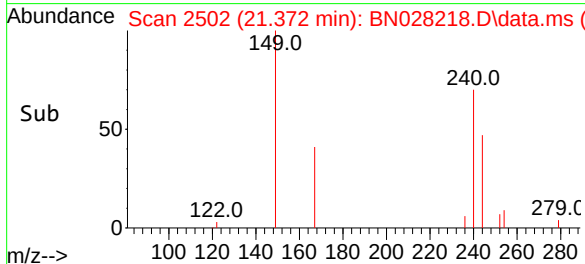
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



Tgt Ion:149 Resp: 6758
Ion Ratio Lower Upper
149 100
167 105.1 22.1 33.1#
279 5.4 3.4 5.0#

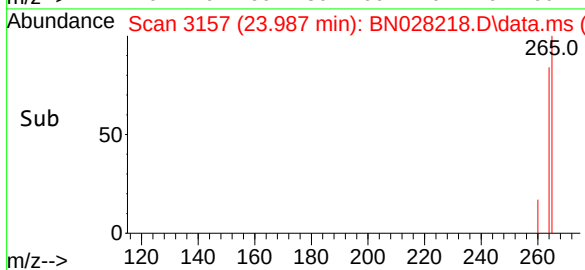
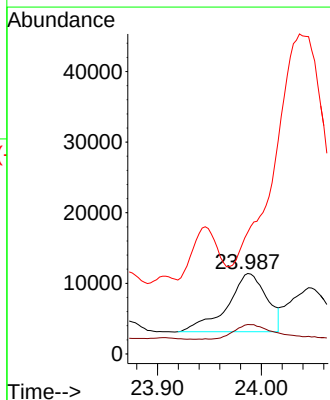
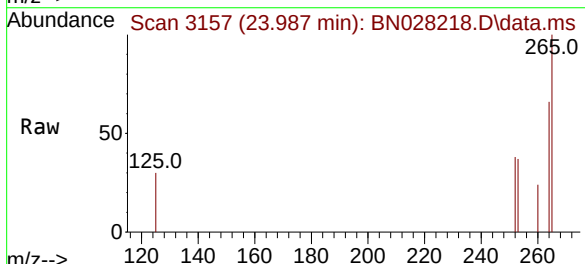
Manual Integrations
APPROVED

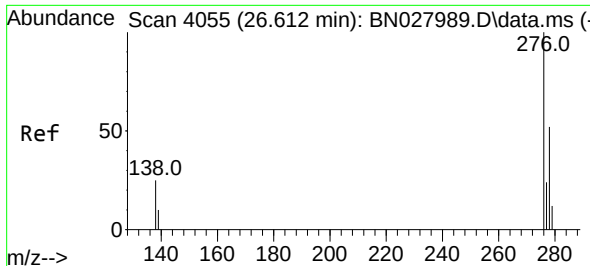
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.987 min Scan# 3157
Delta R.T. 0.012 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

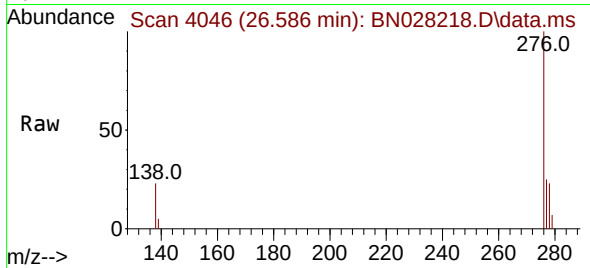
Tgt Ion:264 Resp: 21852
Ion Ratio Lower Upper
264 100
260 36.6 20.2 30.4#
265 151.3 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 16.649 ng
RT: 26.586 min Scan# 4055
Delta R.T. 0.029 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

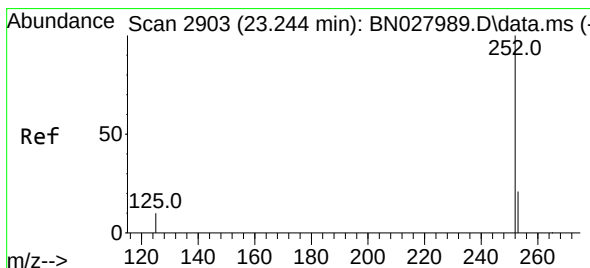
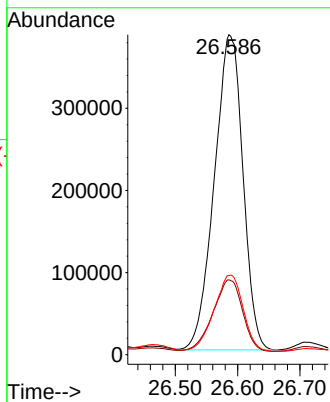
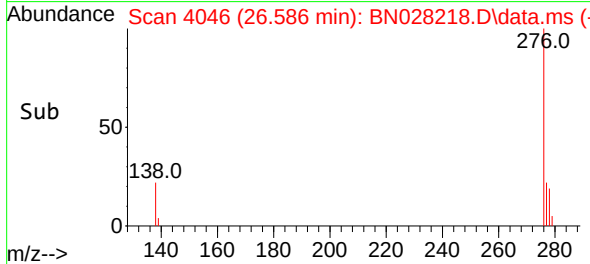
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



Tgt Ion:276 Resp: 1223720
Ion Ratio Lower Upper
276 100
138 23.5 20.9 31.3
277 24.6 19.8 29.6

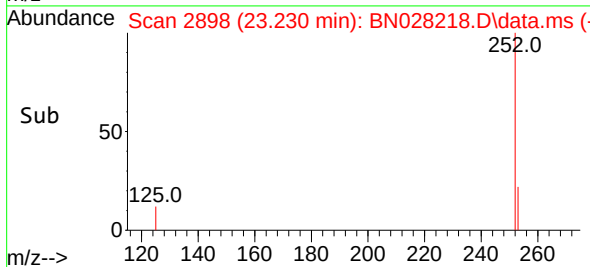
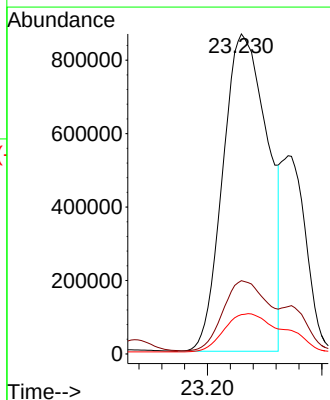
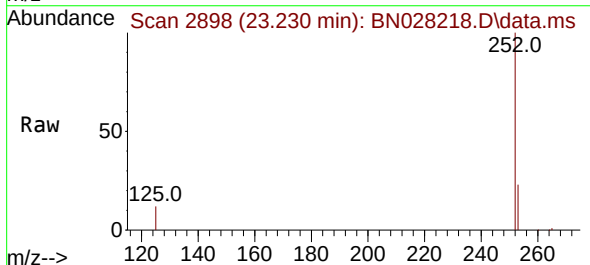
Manual Integrations
APPROVED

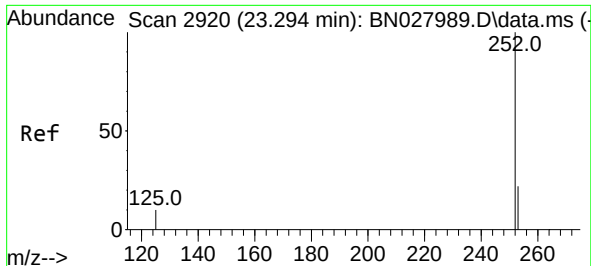
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#37
Benzo(b)fluoranthene
Concen: 33.251 ng
RT: 23.230 min Scan# 2898
Delta R.T. 0.017 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

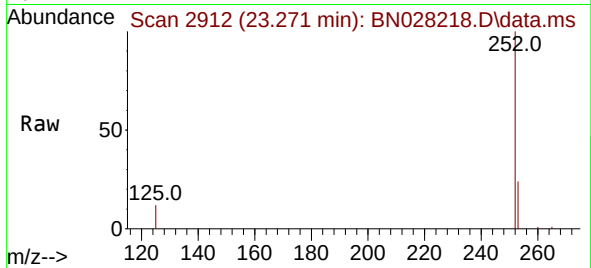
Tgt Ion:252 Resp: 2346692
Ion Ratio Lower Upper
252 100
253 22.9 22.9 34.3
125 12.3 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 12.661 ng m
RT: 23.271 min Scan# 2912
Delta R.T. 0.009 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

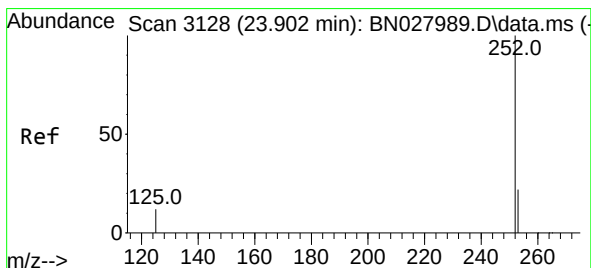
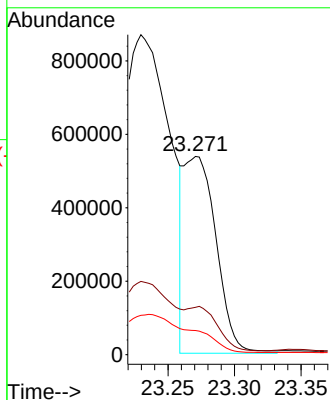
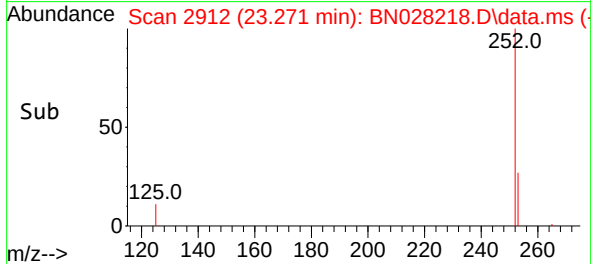
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



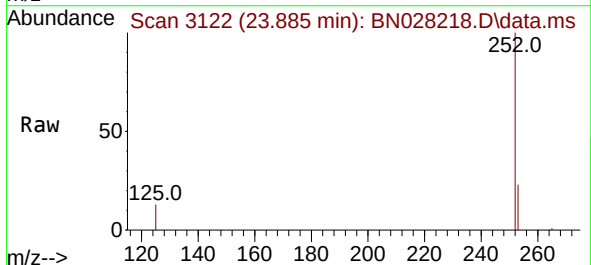
Tgt Ion:252 Resp: 906320
Ion Ratio Lower Upper
252 100
253 23.9 23.1 34.7
125 12.2 13.8 20.8

Manual Integrations
APPROVED

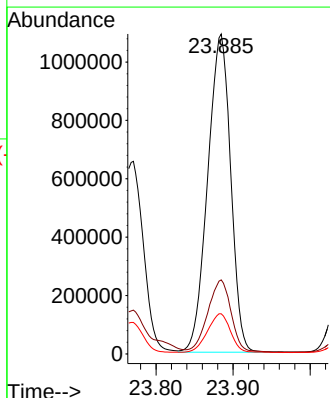
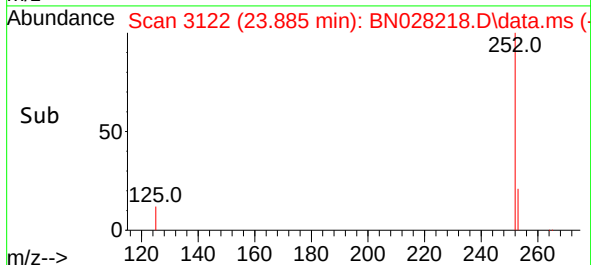
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

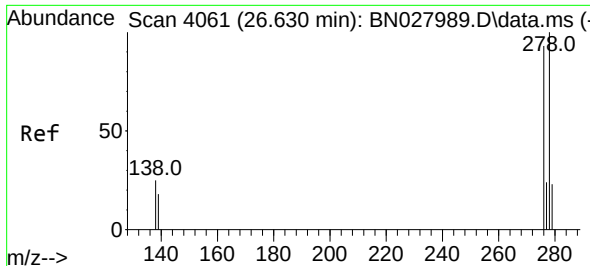


#39
Benzo(a)pyrene
Concen: 33.853 ng m
RT: 23.885 min Scan# 3122
Delta R.T. 0.020 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46



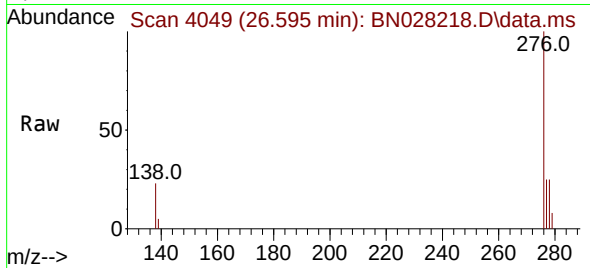
Tgt Ion:252 Resp: 2259089
Ion Ratio Lower Upper
252 100
253 23.2 25.0 37.4#
125 12.5 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 6.182 ng
RT: 26.595 min Scan# 4061
Delta R.T. 0.017 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

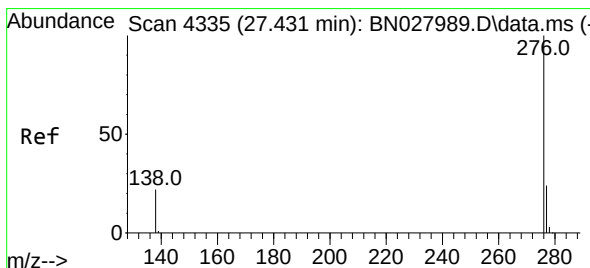
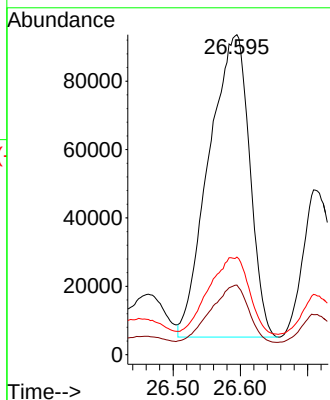
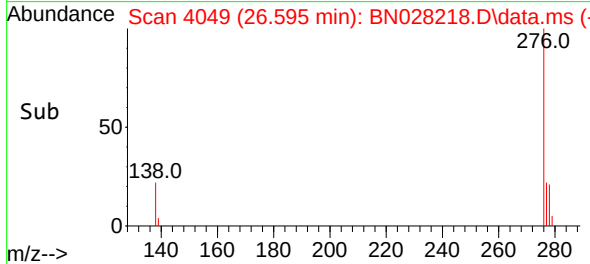
Instrument :
BNA_N
ClientSampleId :
R-4(5-10)



Tgt Ion:278 Resp: 37169
Ion Ratio Lower Upper
278 100
139 21.8 17.7 26.5
279 30.5 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: 20.388 ng
RT: 27.410 min Scan# 4328
Delta R.T. 0.044 min
Lab File: BN028218.D
Acq: 11 Oct 2023 04:46

Tgt Ion:276 Resp: 1258331
Ion Ratio Lower Upper
276 100
277 24.7 22.1 33.1
138 23.9 20.8 31.2

