

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028206.D
 Acq On : 10 Oct 2023 20:28
 Operator : MA/JU
 Sample : 04693-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-3(0-5)

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 02:34:11 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	7.921	152	3887	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	12261	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	7444	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	13095	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	16057	0.400	ng	# 0.00
35) Perylene-d12	23.984	264	16843	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	3926	0.339	ng	0.00
5) Phenol-d6	7.091	99	4663	0.319	ng	0.00
8) Nitrobenzene-d5	9.123	82	3518	0.337	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	5632	0.310	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	1049	0.308	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	8188	0.305	ng	0.00
27) Fluoranthene-d10	19.356	212	10032	0.305	ng	0.00
31) Terphenyl-d14	19.941	244	10575	0.282	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	210817	6.655	ng	98
12) 2-Methylnaphthalene	12.392	142	181908	8.208	ng	99
16) Acenaphthylene	14.298	152	486030	14.739	ng	99
17) Acenaphthene	14.630	154	55598	2.645	ng	95
18) Fluorene	15.606	166	227115	8.319	ng	# 94
25) Phenanthrene	17.368	178	1858626	52.647	ng	99
26) Anthracene	17.455	178	540613	16.201	ng	# 91
28) Fluoranthene	19.388	202	1435204	35.226	ng	99
30) Pyrene	19.755	202	2022583	34.351	ng	98
32) Benzo(a)anthracene	21.497	228	930392	17.028	ng	98
33) Chrysene	21.551	228	841378	15.979	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	3658	0.102	ng	# 86
36) Indeno(1,2,3-cd)pyrene	26.571	276	416485	7.351	ng	98
37) Benzo(b)fluoranthene	23.224	252	802191	14.747	ng	# 90
38) Benzo(k)fluoranthene	23.268	252	297097m	5.385	ng	
39) Benzo(a)pyrene	23.876	252	776512m	15.097	ng	
40) Dibenzo(a,h)anthracene	26.580	278	129389	2.792	ng	97
41) Benzo(g,h,i)perylene	27.390	276	444836	9.351	ng	96

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

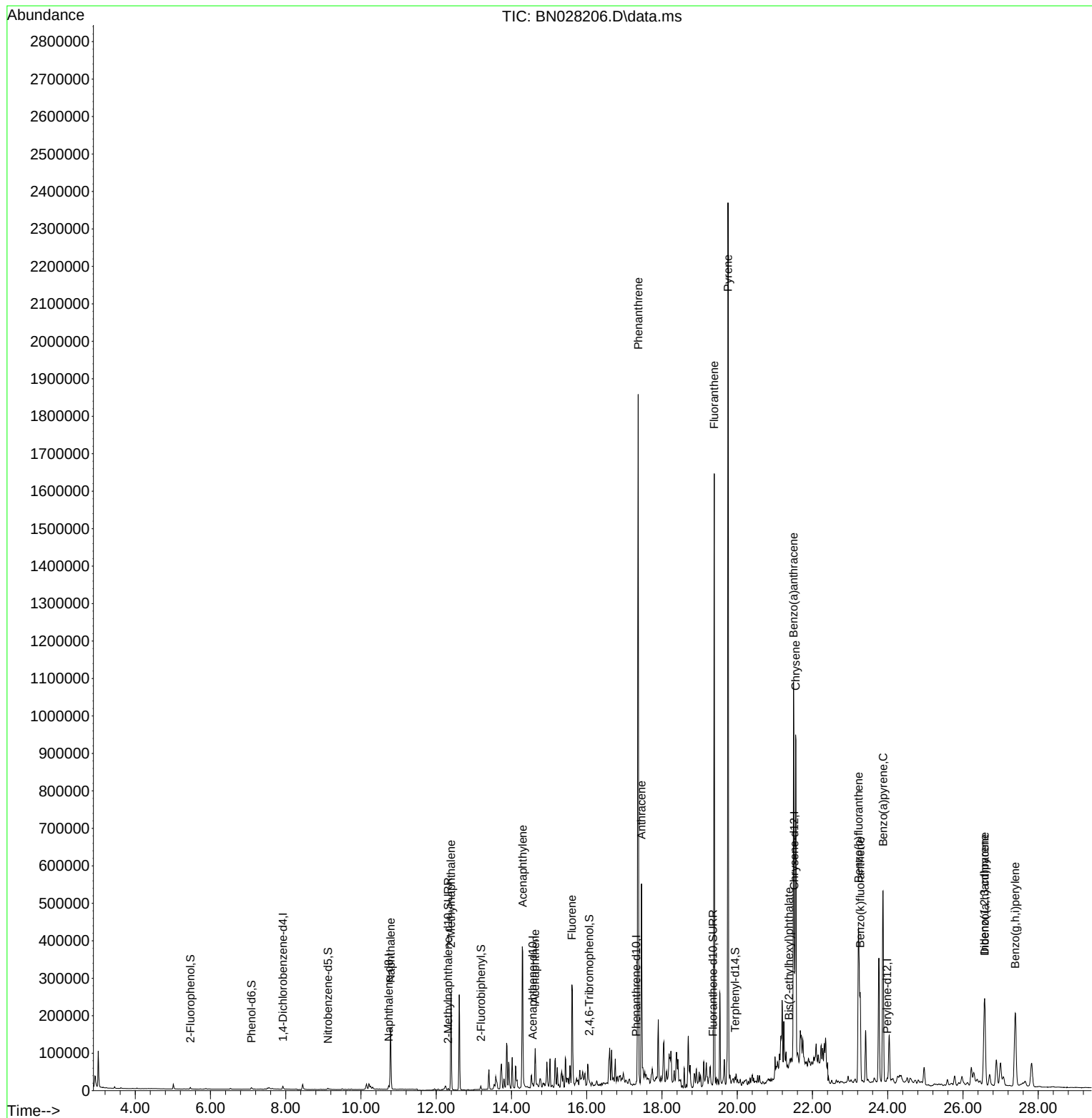
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028206.D
Acq On : 10 Oct 2023 20:28
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Sample : 04693-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

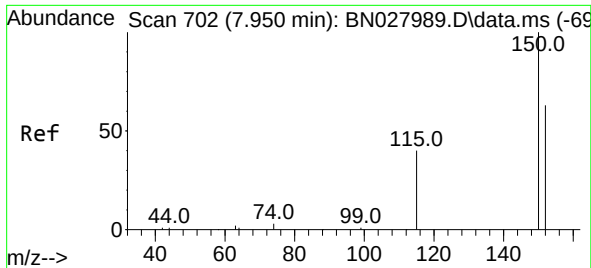
Instrument :
BNA_N
ClientSampleId :
S-3(0-5)

Quant Time: Oct 11 02:34:11 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

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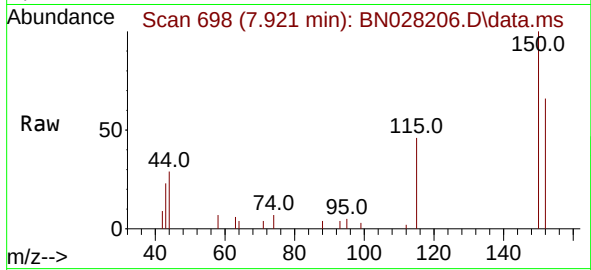
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.921 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

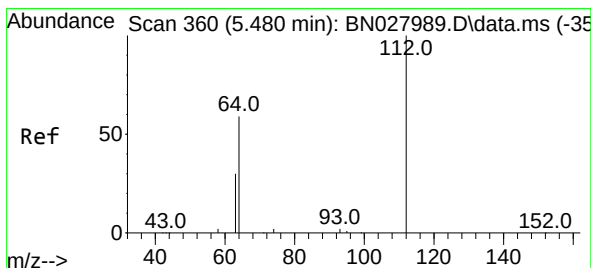
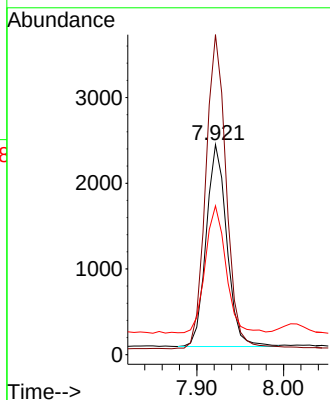
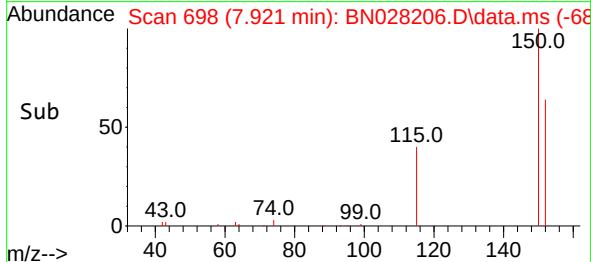
Instrument :
BNA_N
ClientSampleId :
S-3(0-5)



Tgt Ion:152 Resp: 388
Ion Ratio Lower Upper
152 100
150 152.4 125.6 188.4
115 70.8 54.8 82.2

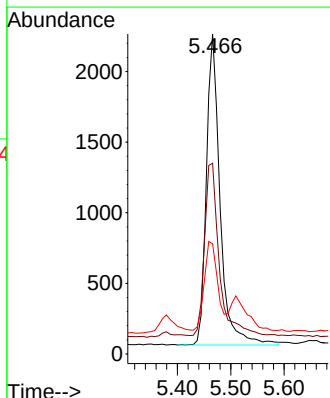
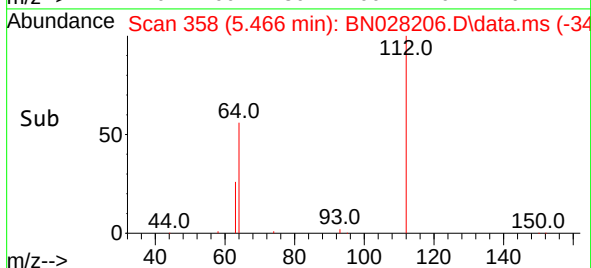
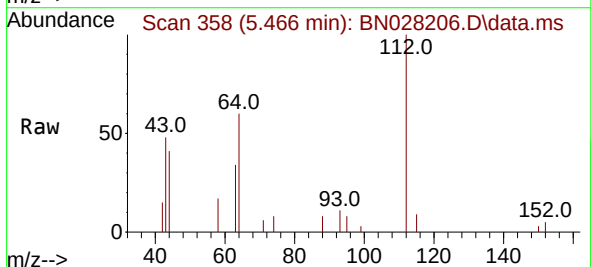
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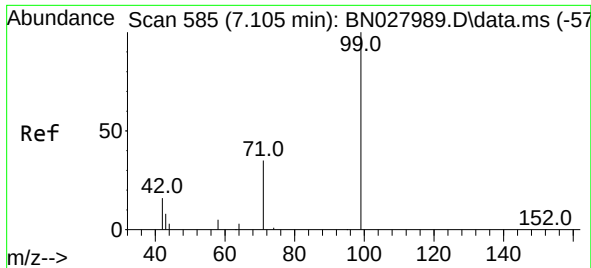
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.339 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

Tgt Ion:112 Resp: 3926
Ion Ratio Lower Upper
112 100
64 59.4 45.0 67.6
63 27.6 23.4 35.0





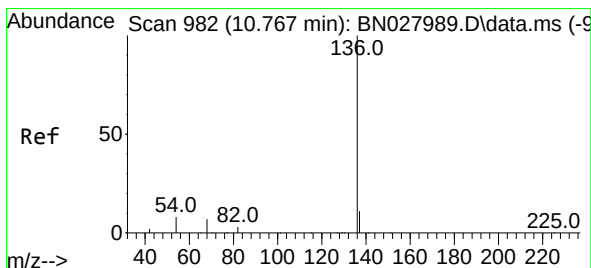
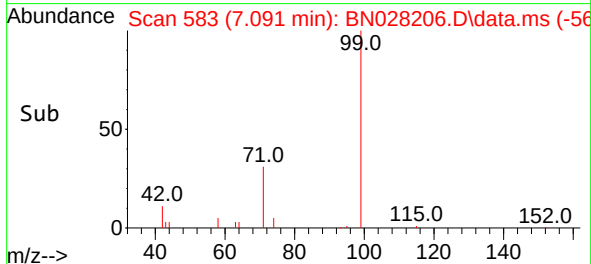
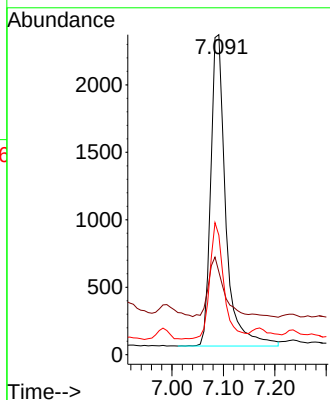
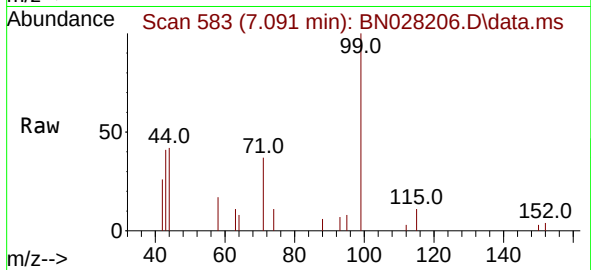
#5
Phenol-d6
Concen: 0.319 ng
RT: 7.091 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)

Tgt Ion: 99 Resp: 466
Ion Ratio Lower Upper
99 100
42 20.7 14.6 22.0
71 35.4 28.3 42.5

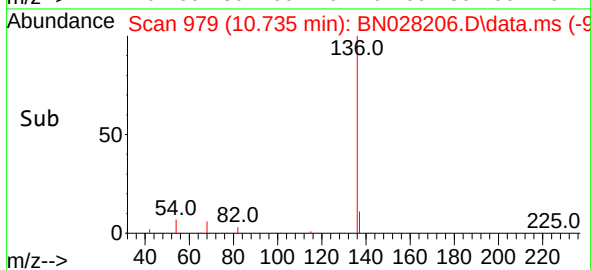
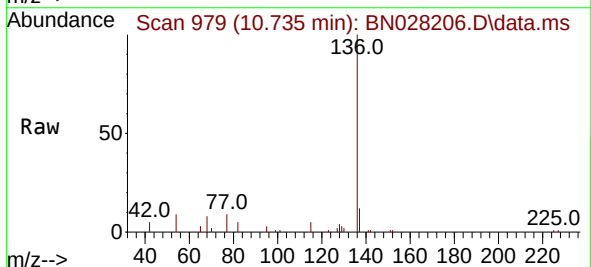
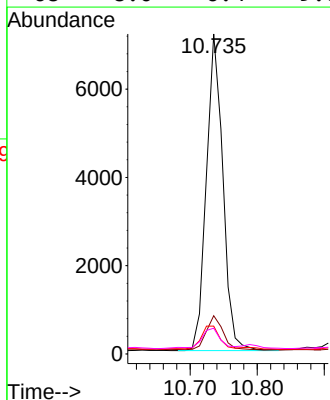
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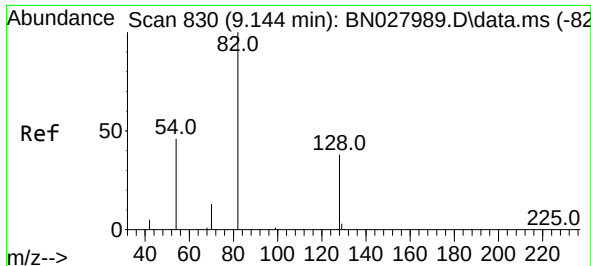
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

Tgt Ion:136 Resp: 12261
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.0
54 8.7 7.0 10.6
68 8.0 6.4 9.6





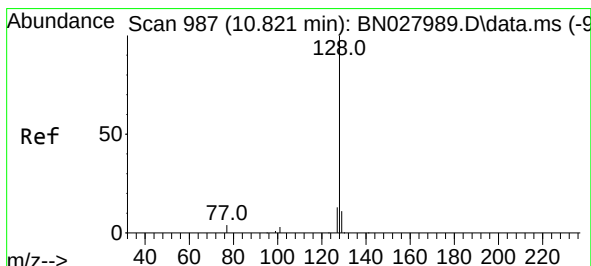
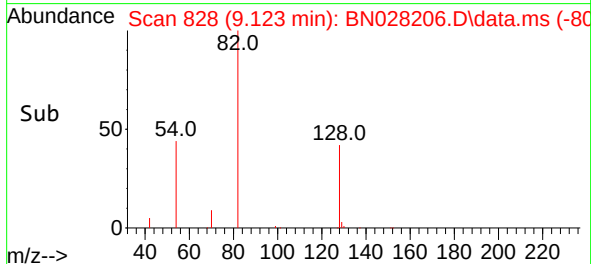
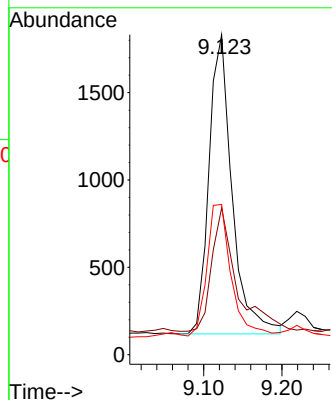
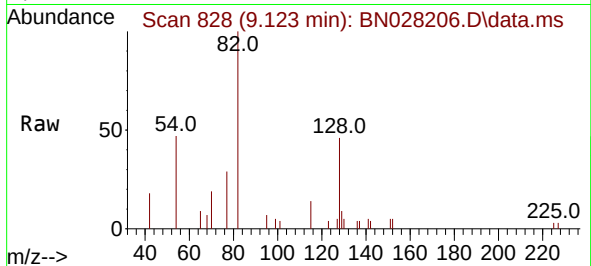
#8
Nitrobenzene-d5
Concen: 0.337 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)

Tgt Ion: 82 Resp: 3518
Ion Ratio Lower Upper
82 100
128 45.9 32.7 49.1
54 46.9 38.7 58.1

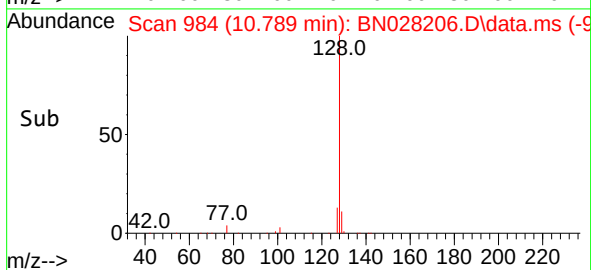
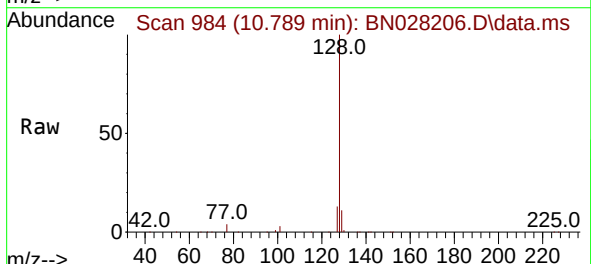
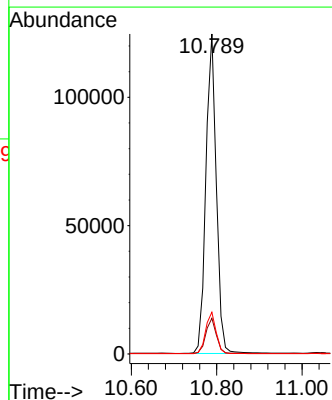
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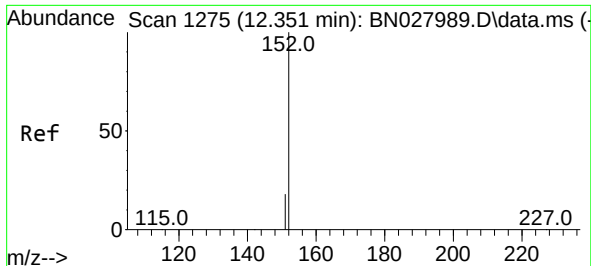
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 6.655 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

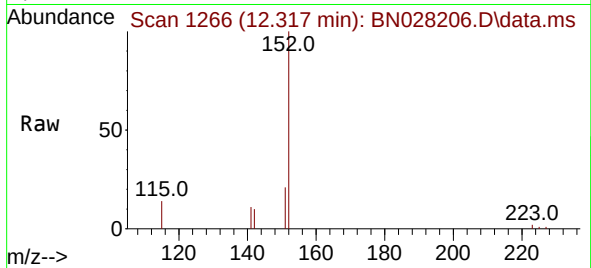
Tgt Ion:128 Resp: 210817
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 13.0 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.310 ng
RT: 12.317 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

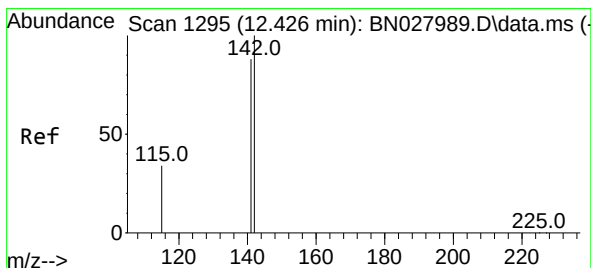
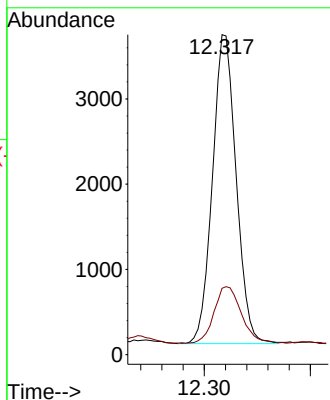
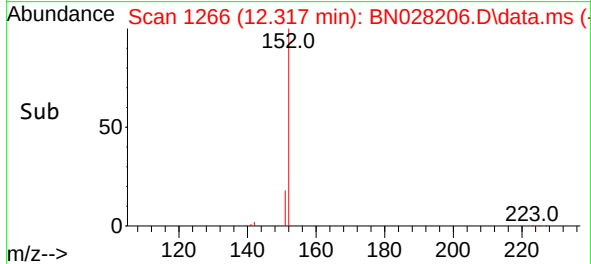
Instrument :
BNA_N
ClientSampleId :
S-3(0-5)



Tgt Ion:152 Resp: 563
Ion Ratio Lower Upper
152 100
151 21.8 16.5 24.7

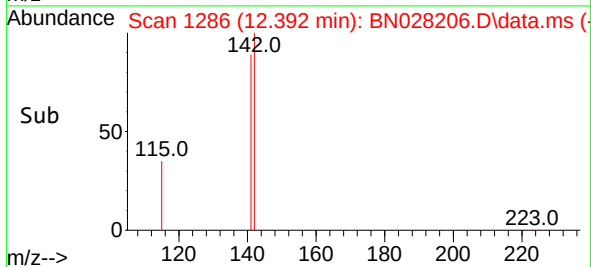
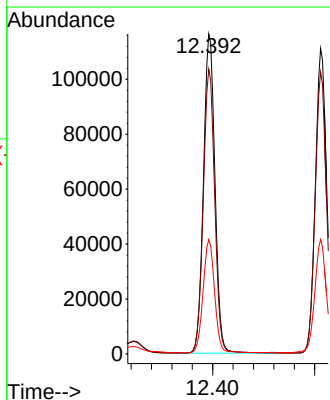
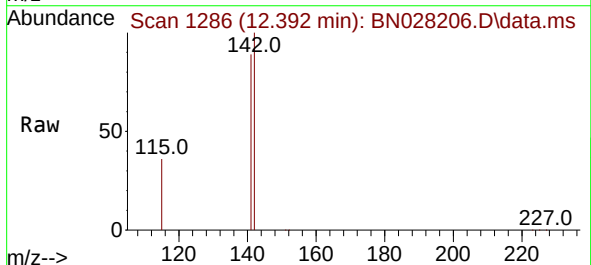
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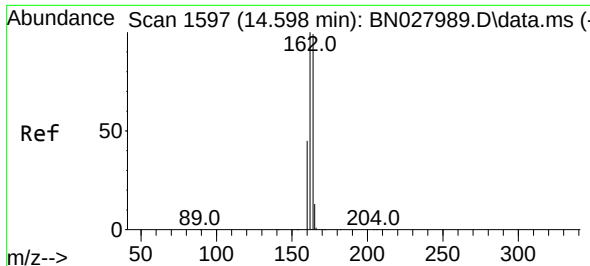
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#12
2-Methylnaphthalene
Concen: 8.208 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

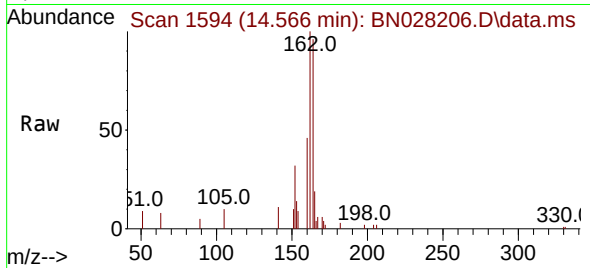
Tgt Ion:142 Resp: 181908
Ion Ratio Lower Upper
142 100
141 89.0 70.7 106.1
115 35.8 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

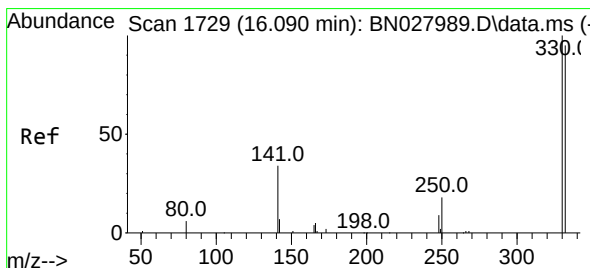
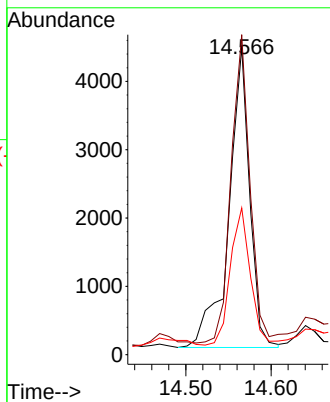
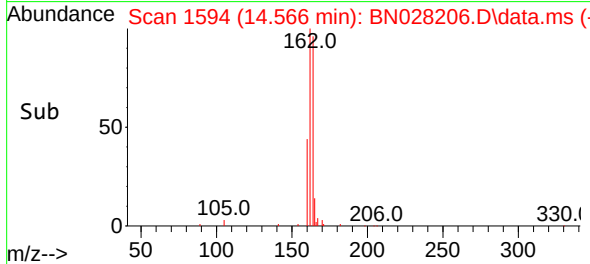
Instrument :
BNA_N
ClientSampleId :
S-3(0-5)



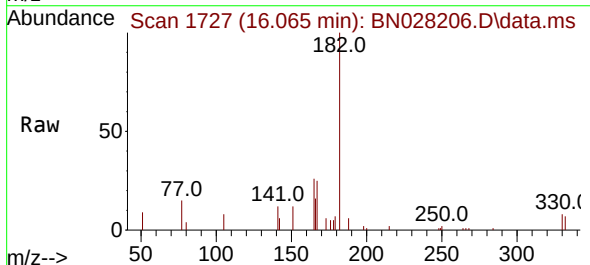
Tgt Ion:164 Resp: 744
Ion Ratio Lower Upper
164 100
162 104.1 80.8 121.2
160 47.7 36.4 54.6

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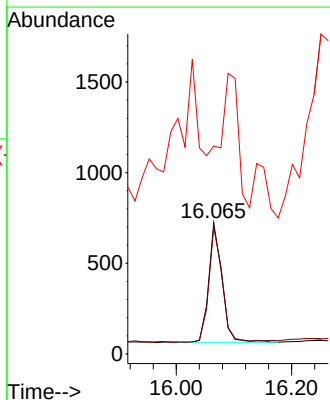
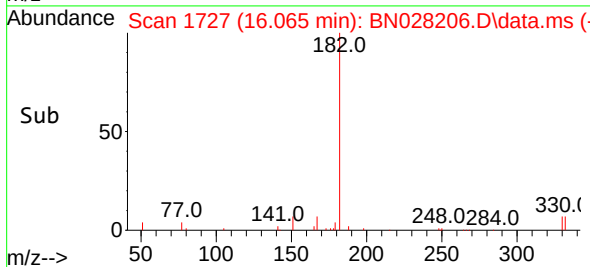
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

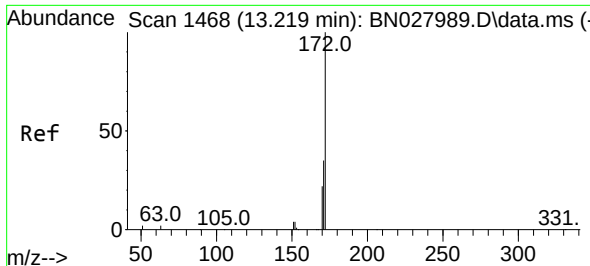


#14
2,4,6-Tribromophenol
Concen: 0.308 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28



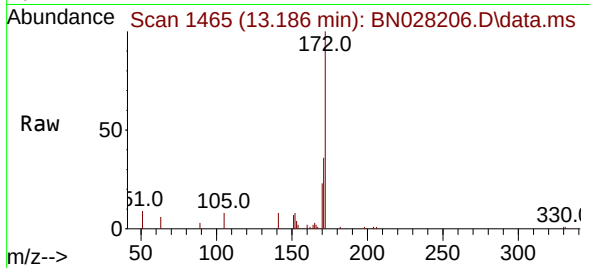
Tgt Ion:330 Resp: 1049
Ion Ratio Lower Upper
330 100
332 98.9 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.305 ng
RT: 13.186 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

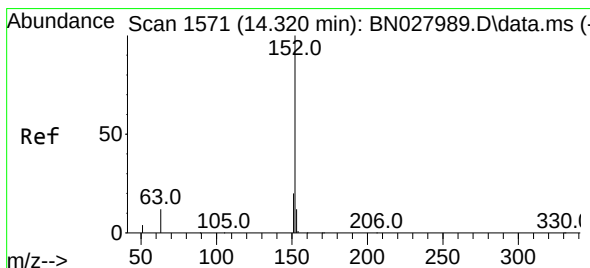
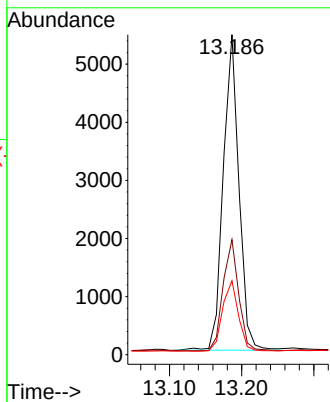
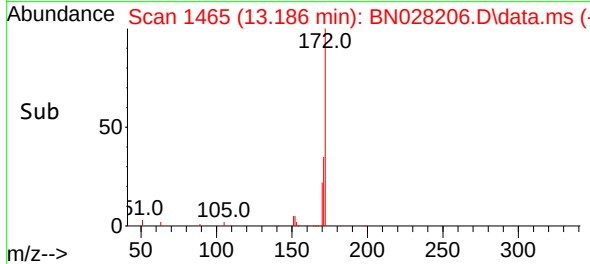
Instrument :
BNA_N
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S-3(0-5)



Tgt Ion:172 Resp: 818
Ion Ratio Lower Upper
172 100
171 36.0 28.1 42.1
170 23.1 18.4 27.6

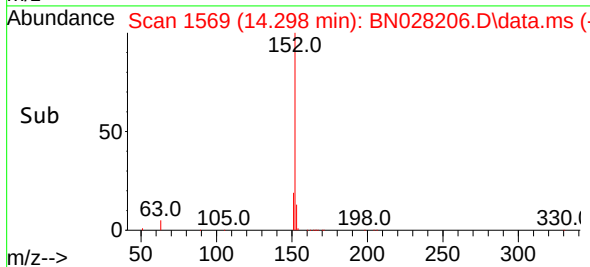
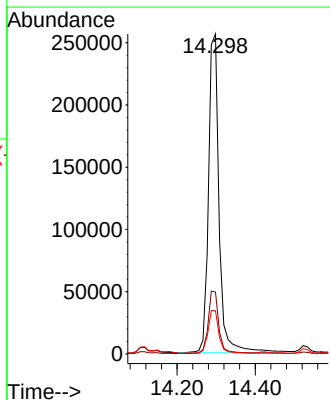
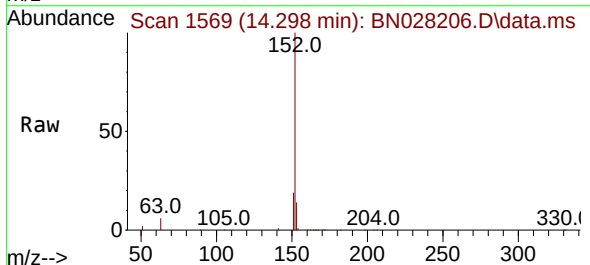
Manual Integrations
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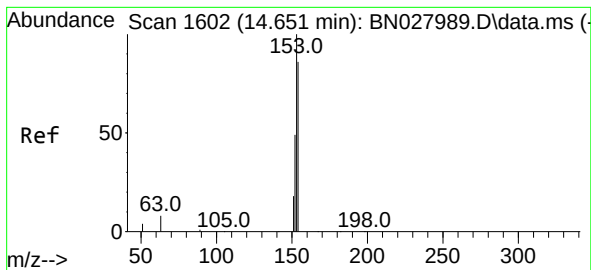
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 14.739 ng
RT: 14.298 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

Tgt Ion:152 Resp: 486030
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.9 10.2 15.4





#17

Acenaphthene

Concen: 2.645 ng

RT: 14.630 min Scan# 1600

Delta R.T. -0.000 min

Lab File: BN028206.D

Acq: 10 Oct 2023 20:28

Instrument :

BNA_N

ClientSampleId :

S-3(0-5)

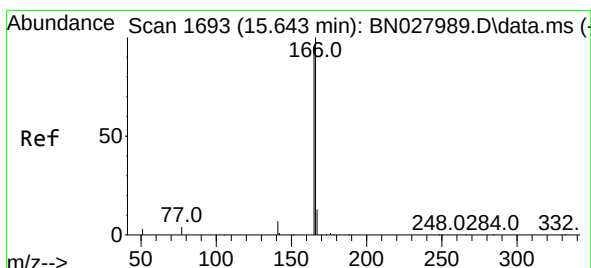
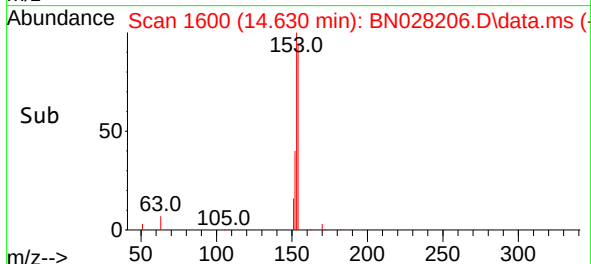
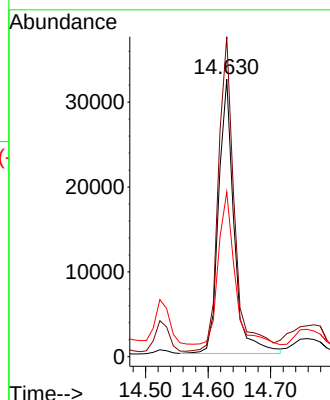
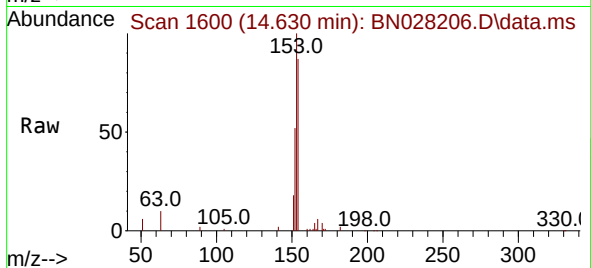
Tgt Ion:154	Resp:	55598
Ion Ratio	Lower	Upper
154	100	
153	118.6	90.8 136.2
152	58.6	43.9 65.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/12/2023



#18

Fluorene

Concen: 8.319 ng

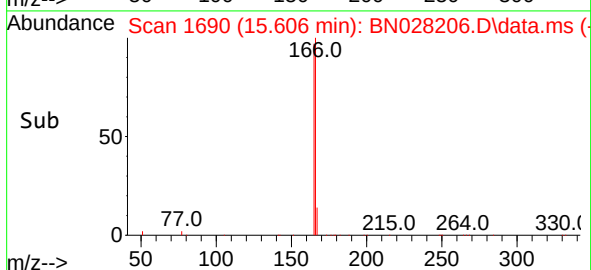
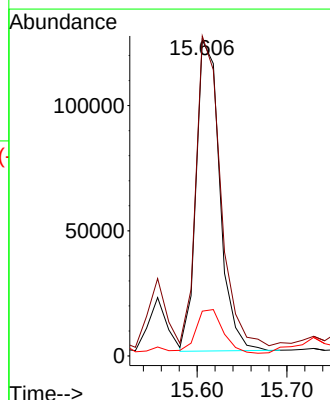
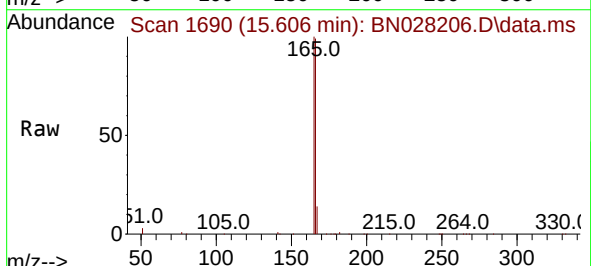
RT: 15.606 min Scan# 1690

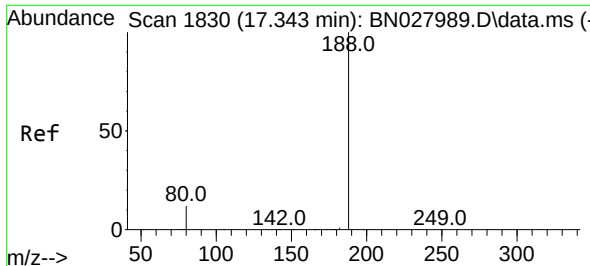
Delta R.T. -0.013 min

Lab File: BN028206.D

Acq: 10 Oct 2023 20:28

Tgt Ion:166	Resp:	227115
Ion Ratio	Lower	Upper
166	100	
165	102.5	77.8 116.8
167	16.4	10.7 16.1





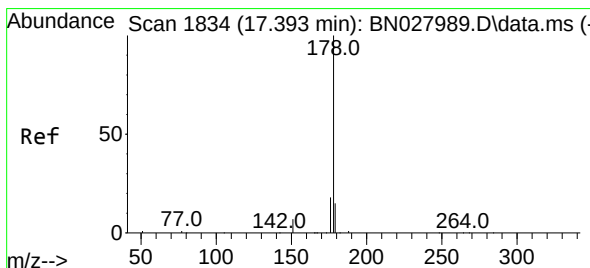
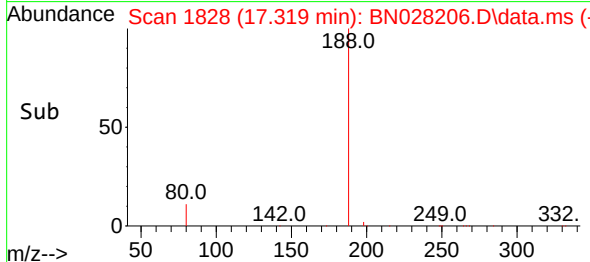
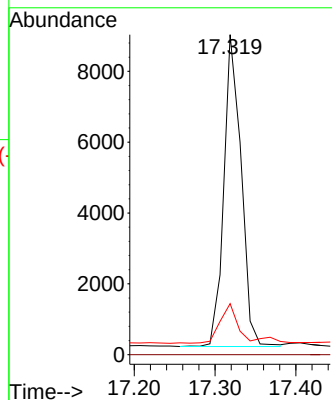
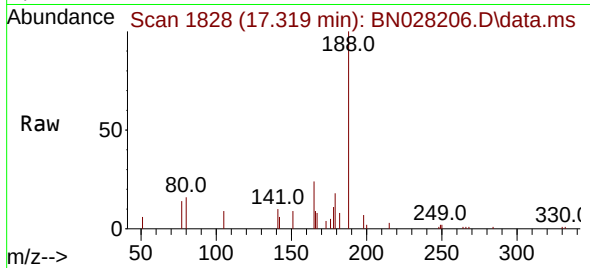
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)

Tgt Ion:188 Resp: 13095
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.9 10.2 15.4

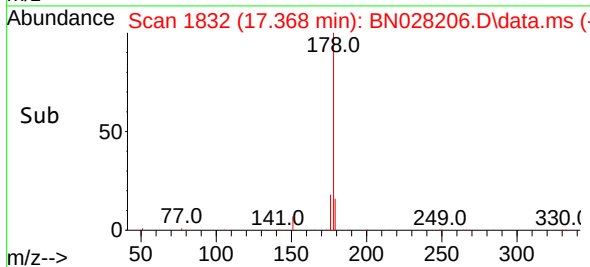
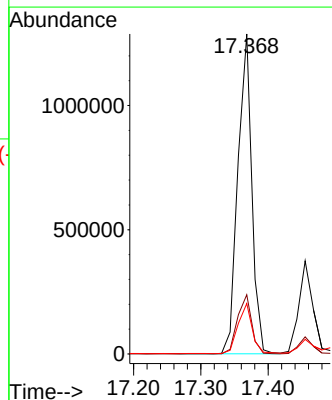
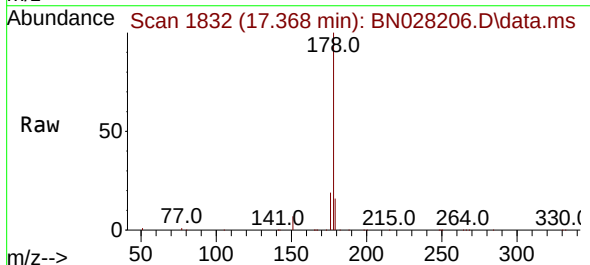
Manual Integrations
APPROVED

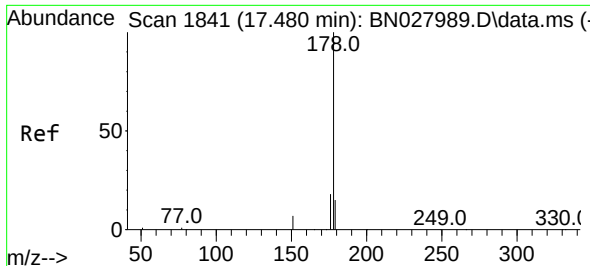
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#25
Phenanthrene
Concen: 52.647 ng
RT: 17.368 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

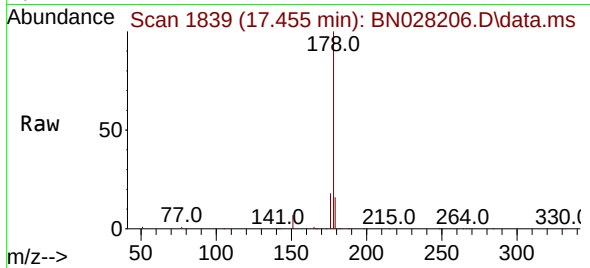
Tgt Ion:178 Resp: 1858626
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.9 12.4 18.6





#26
 Anthracene
 Concen: 16.201 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028206.D
 Acq: 10 Oct 2023 20:28

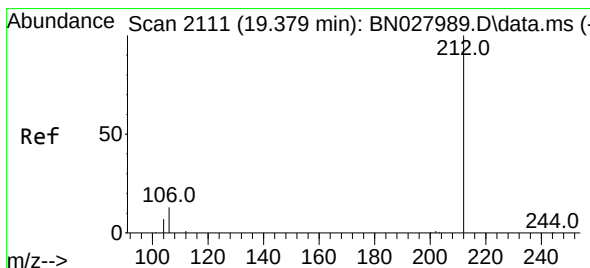
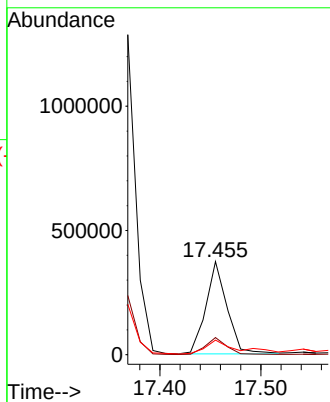
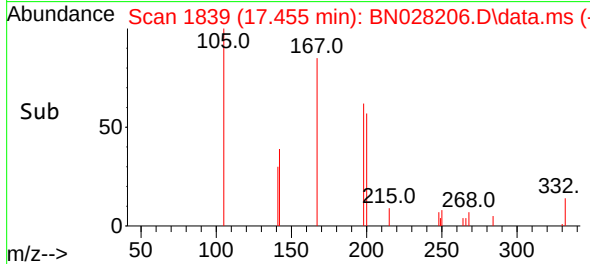
Instrument :
 BNA_N
 ClientSampleId :
 S-3(0-5)



Tgt Ion:178 Resp: 540611
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 23.0 12.2 18.2

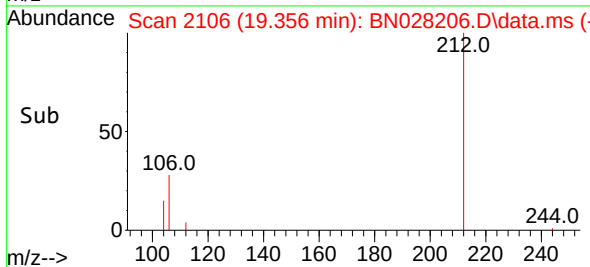
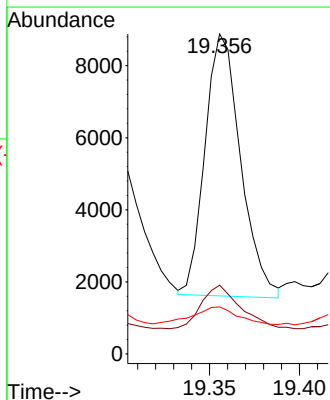
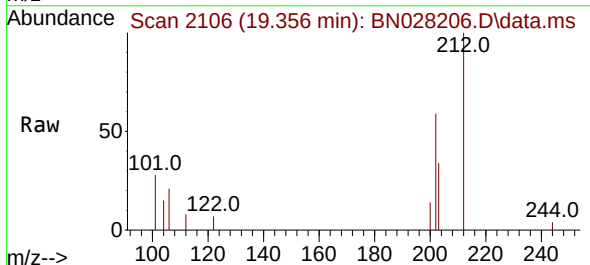
Manual Integrations
 APPROVED

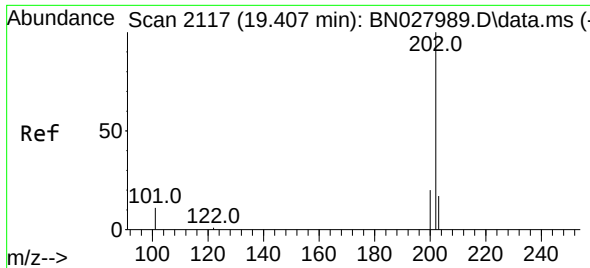
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.305 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. -0.000 min
 Lab File: BN028206.D
 Acq: 10 Oct 2023 20:28

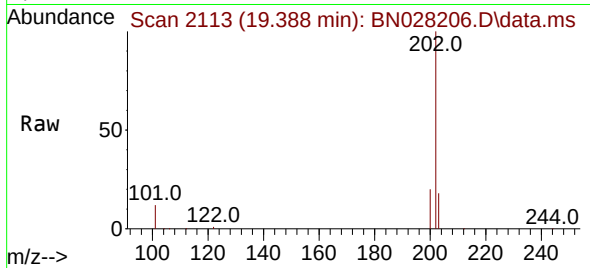
Tgt Ion:212 Resp: 10032
 Ion Ratio Lower Upper
 212 100
 106 18.1 11.3 16.9#
 104 9.1 6.4 9.6





#28
Fluoranthene
Concen: 35.226 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.004 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

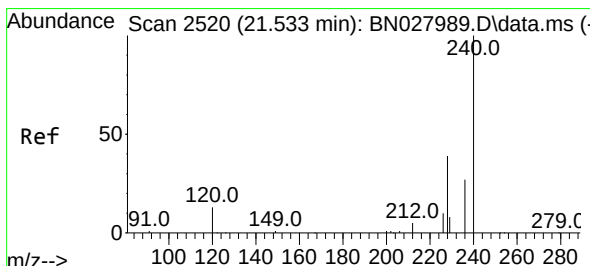
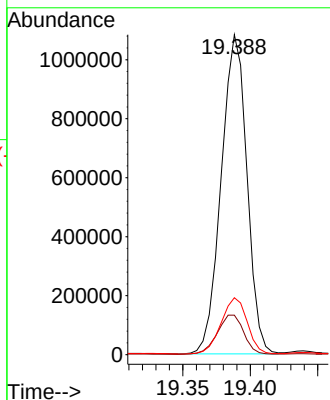
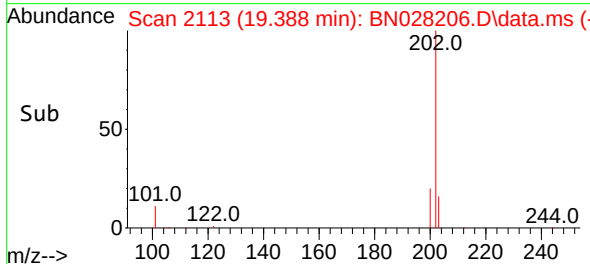
Instrument :
BNA_N
ClientSampleId :
S-3(0-5)



Tgt Ion:202 Resp: 1435204
Ion Ratio Lower Upper
202 100
101 12.6 9.8 14.6
203 17.9 13.8 20.8

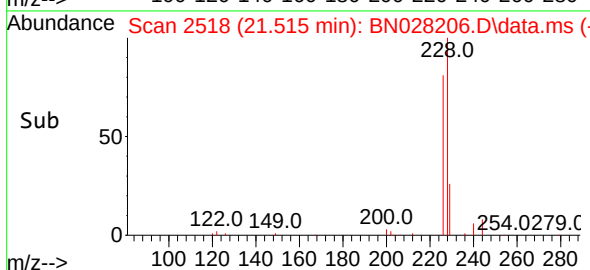
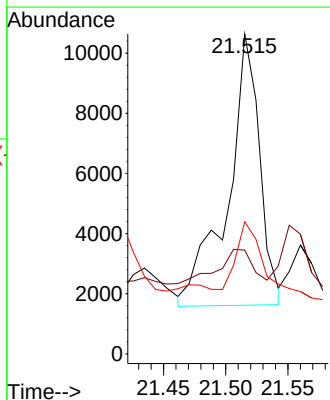
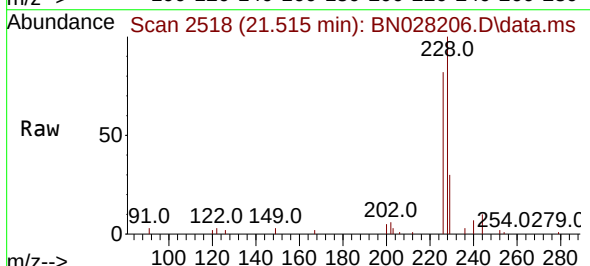
Manual Integrations
APPROVED

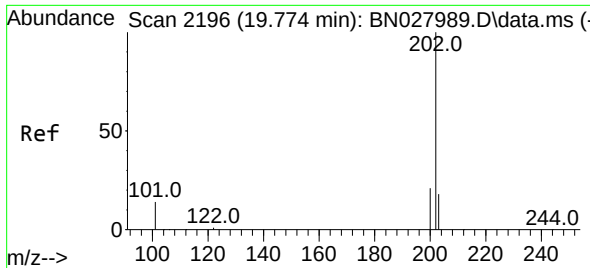
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

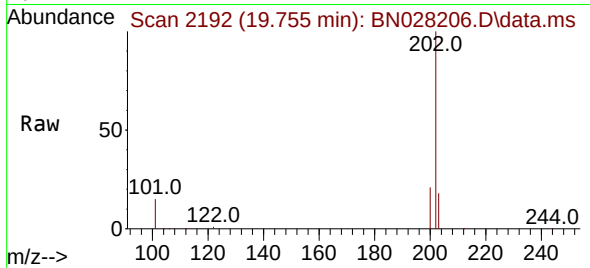
Tgt Ion:240 Resp: 16057
Ion Ratio Lower Upper
240 100
120 32.4 13.8 20.6#
236 41.3 22.6 33.8#





#30
Pyrene
Concen: 34.351 ng
RT: 19.755 min Scan# 2196
Delta R.T. 0.004 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

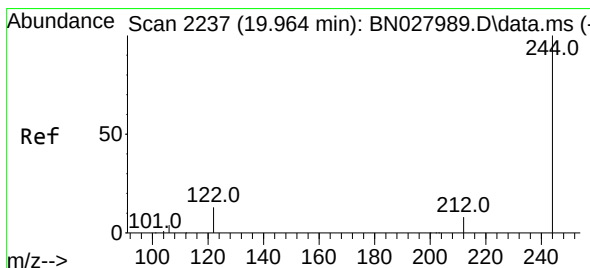
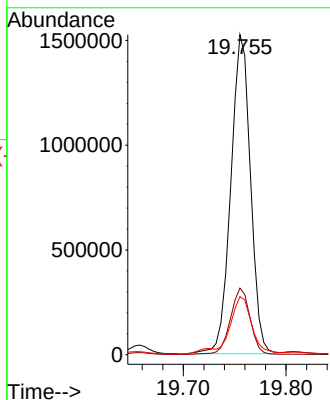
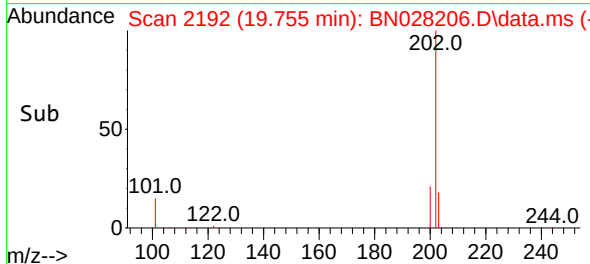
Instrument :
BNA_N
ClientSampleId :
S-3(0-5)



Tgt Ion:202 Resp: 202258
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 20.6 14.7 22.1

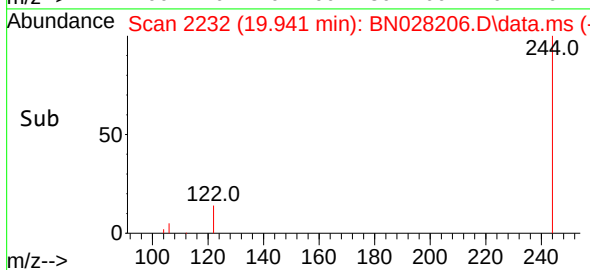
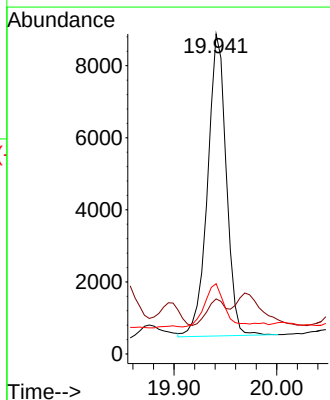
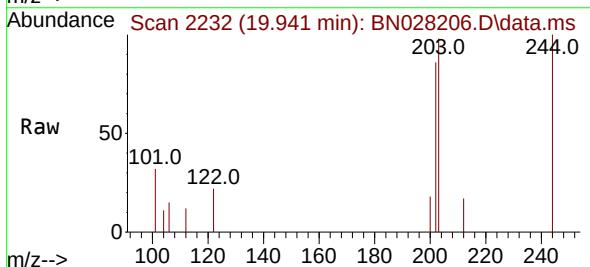
Manual Integrations
APPROVED

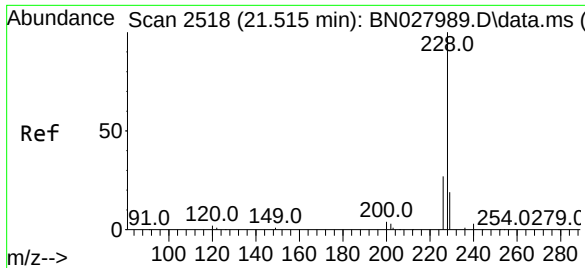
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.282 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

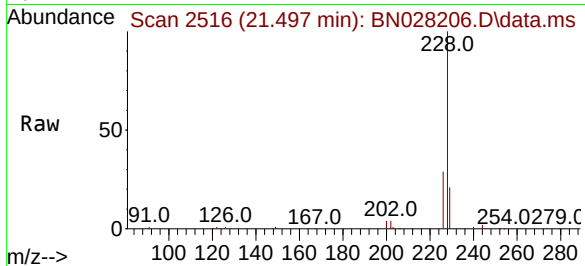
Tgt Ion:244 Resp: 10575
Ion Ratio Lower Upper
244 100
212 17.2 6.6 9.8#
122 22.0 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 17.028 ng
RT: 21.497 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

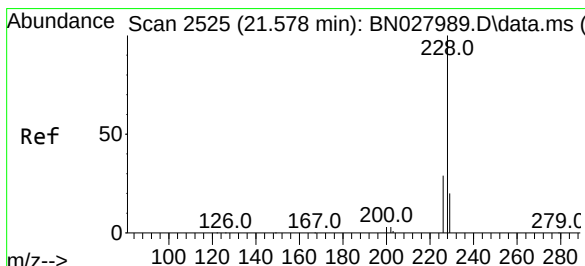
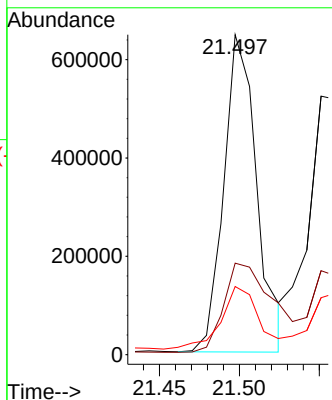
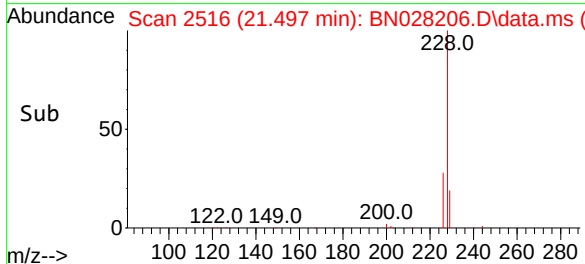
Instrument :
BNA_N
ClientSampleId :
S-3(0-5)



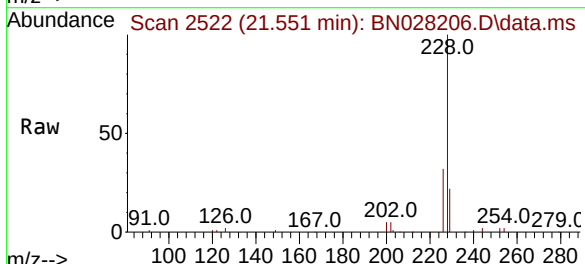
Tgt Ion:228 Resp: 930392
Ion Ratio Lower Upper
228 100
226 28.6 22.0 33.0
229 21.3 16.0 24.0

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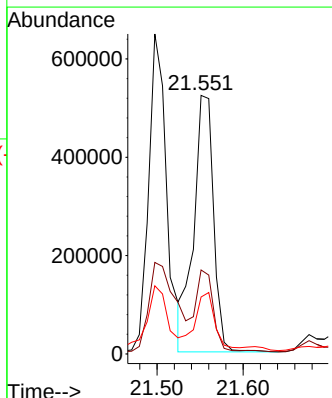
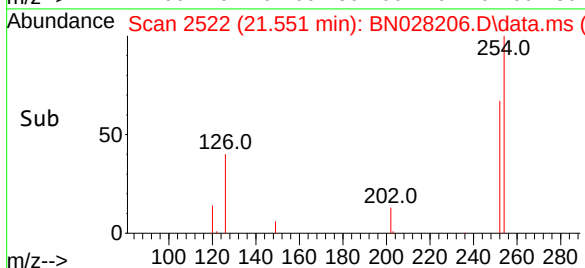
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

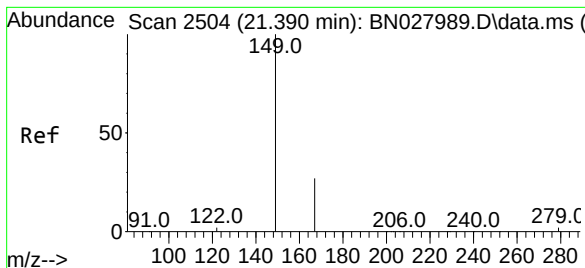


#33
Chrysene
Concen: 15.979 ng
RT: 21.551 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28



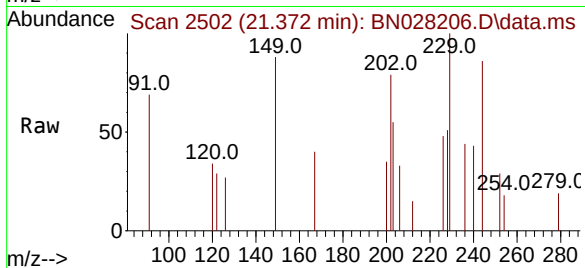
Tgt Ion:228 Resp: 841378
Ion Ratio Lower Upper
228 100
226 32.5 23.8 35.8
229 22.0 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.102 ng
RT: 21.372 min Scan# 2135
Delta R.T. 0.009 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

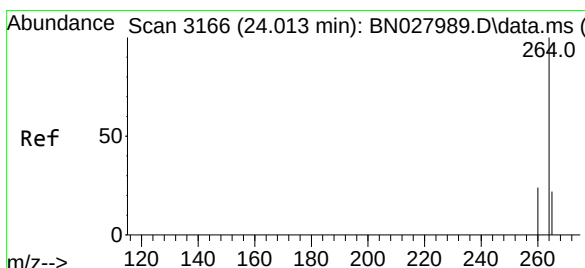
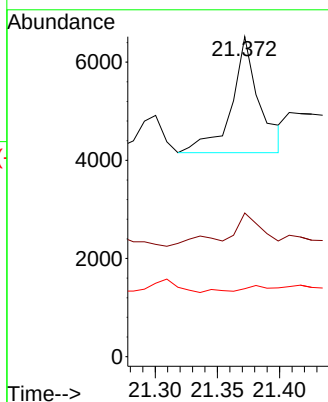
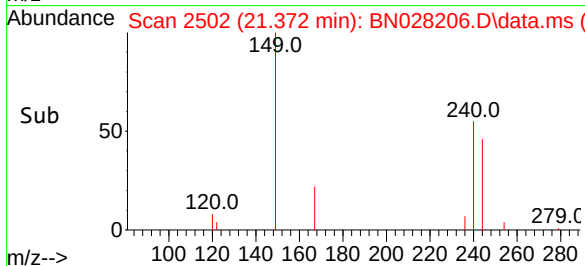
Instrument :
BNA_N
ClientSampleId :
S-3(0-5)



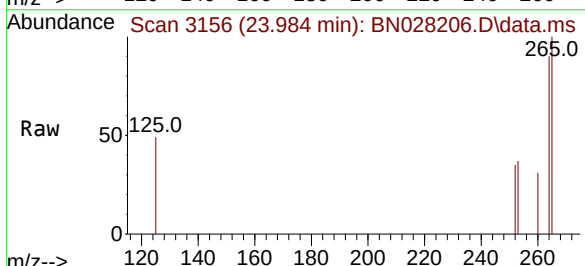
Tgt Ion:149 Resp: 3658
Ion Ratio Lower Upper
149 100
167 19.5 22.1 33.1#
279 6.5 3.4 5.0#

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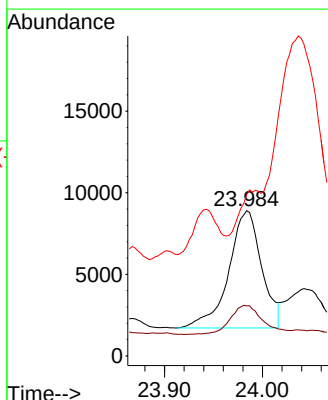
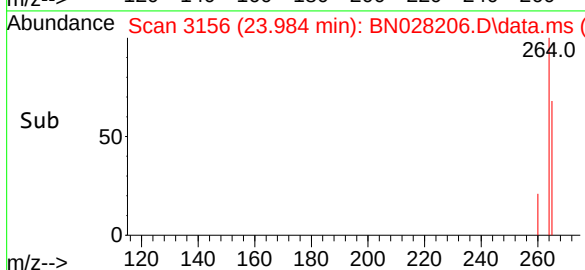
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

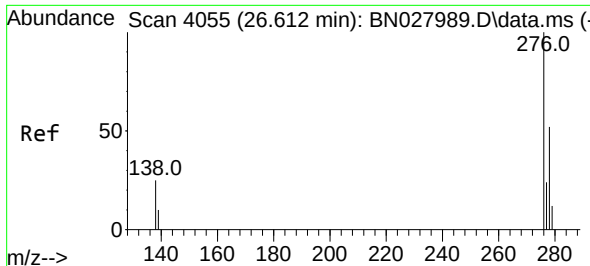


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.984 min Scan# 3156
Delta R.T. 0.009 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28



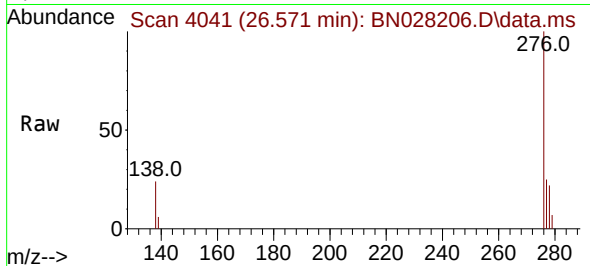
Tgt Ion:264 Resp: 16843
Ion Ratio Lower Upper
264 100
260 34.5 20.2 30.4#
265 111.0 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 7.351 ng
RT: 26.571 min Scan# 4055
Delta R.T. 0.014 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

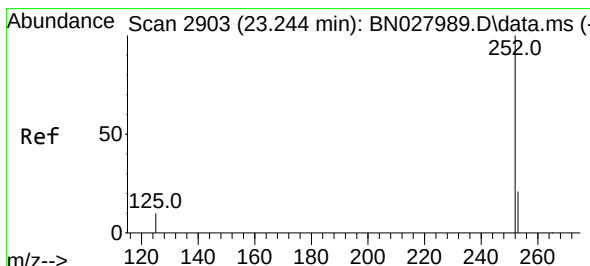
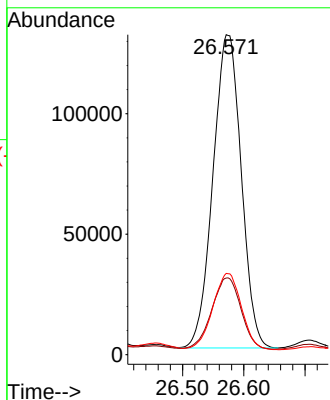
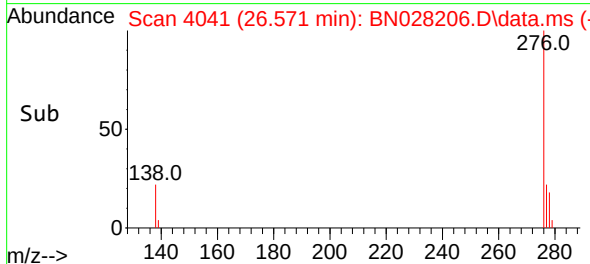
Instrument :
BNA_N
ClientSampleId :
S-3(0-5)



Tgt Ion:276 Resp: 416485
Ion Ratio Lower Upper
276 100
138 23.6 20.9 31.3
277 24.7 19.8 29.6

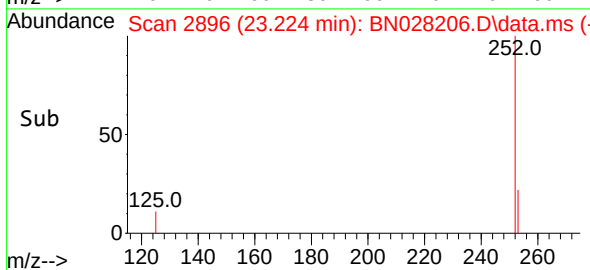
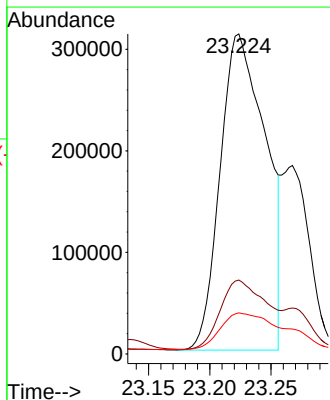
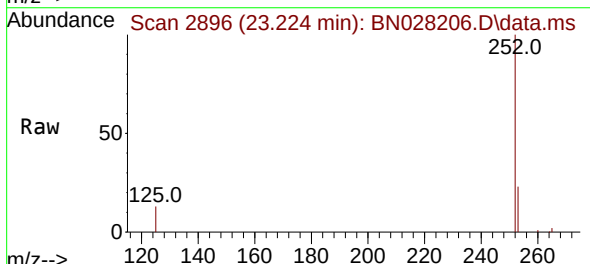
Manual Integrations
APPROVED

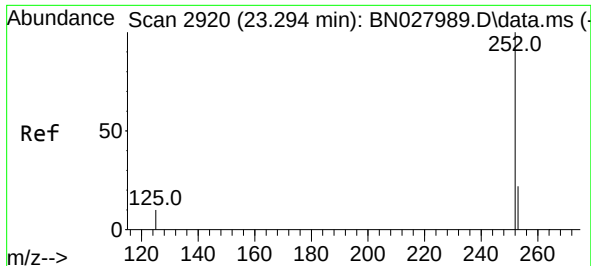
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#37
Benzo(b)fluoranthene
Concen: 14.747 ng
RT: 23.224 min Scan# 2896
Delta R.T. 0.012 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

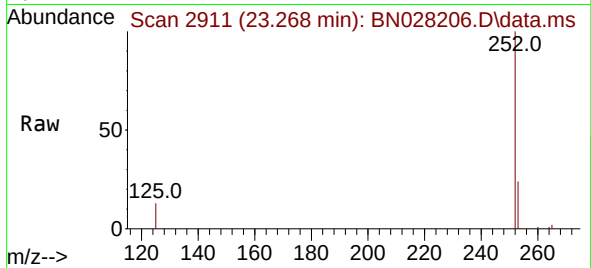
Tgt Ion:252 Resp: 802191
Ion Ratio Lower Upper
252 100
253 23.1 22.9 34.3
125 12.8 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 5.385 ng m
RT: 23.268 min Scan# 2911
Delta R.T. 0.006 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

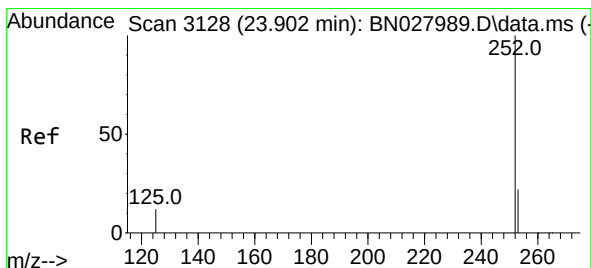
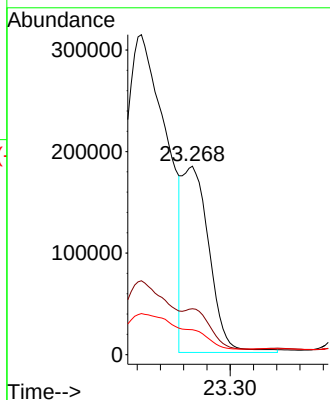
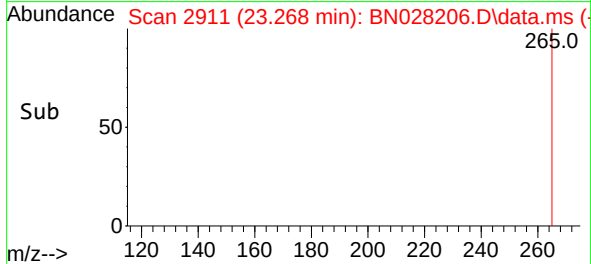
Instrument :
BNA_N
ClientSampleId :
S-3(0-5)



Tgt Ion:252 Resp: 297097
Ion Ratio Lower Upper
252 100
253 24.4 23.1 34.7
125 13.2 13.8 20.8

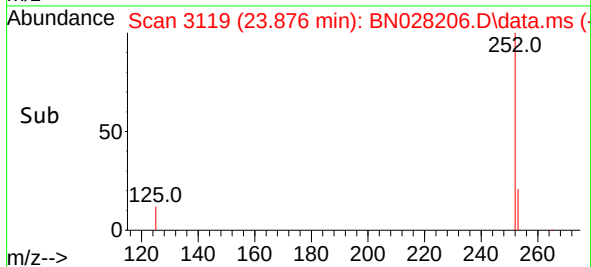
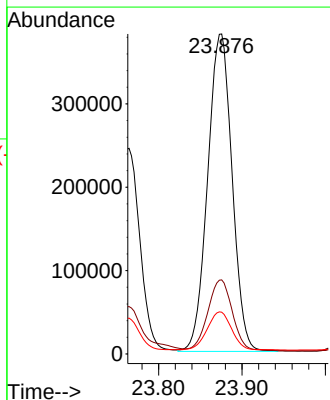
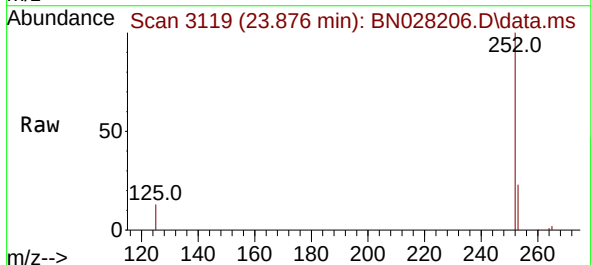
Manual Integrations
APPROVED

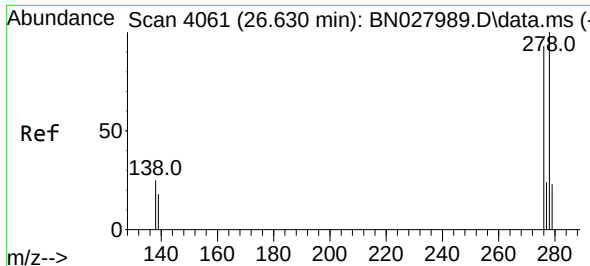
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#39
Benzo(a)pyrene
Concen: 15.097 ng m
RT: 23.876 min Scan# 3119
Delta R.T. 0.012 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

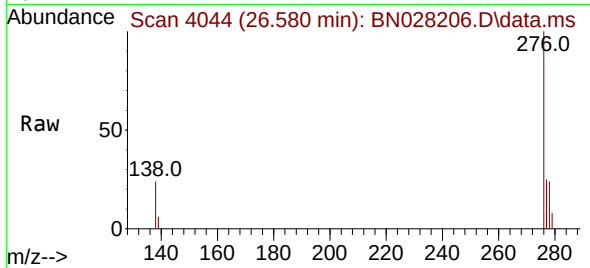
Tgt Ion:252 Resp: 776512
Ion Ratio Lower Upper
252 100
253 23.2 25.0 37.4#
125 13.1 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 2.792 ng
RT: 26.580 min Scan# 4061
Delta R.T. 0.003 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

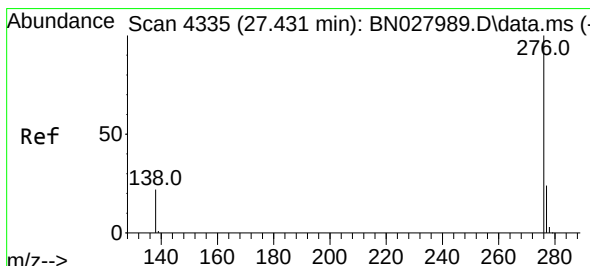
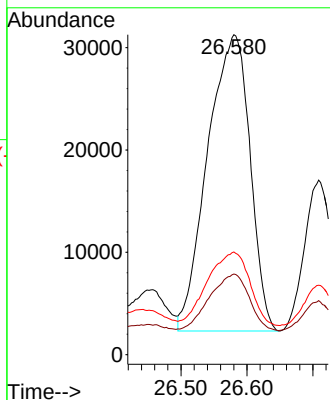
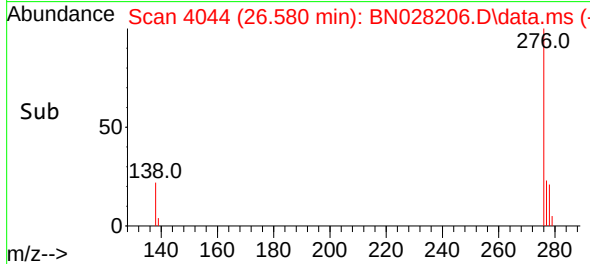
Instrument :
BNA_N
ClientSampleId :
S-3(0-5)



Tgt Ion:278 Resp: 129389
Ion Ratio Lower Upper
278 100
139 25.2 17.7 26.5
279 32.1 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: 9.351 ng
RT: 27.390 min Scan# 4321
Delta R.T. 0.023 min
Lab File: BN028206.D
Acq: 10 Oct 2023 20:28

Tgt Ion:276 Resp: 444836
Ion Ratio Lower Upper
276 100
277 25.1 22.1 33.1
138 24.3 20.8 31.2

