

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028204.D
 Acq On : 10 Oct 2023 19:16
 Operator : MA/JU
 Sample : 04704-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-4(0-5)

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 02:33:38 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	3927	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	12246	0.400	ng	0.00
13) Acenaphthene-d10	14.565	164	6508	0.400	ng	0.00
19) Phenanthrene-d10	17.318	188	12935	0.400	ng	0.00
29) Chrysene-d12	21.515	240	12622	0.400	ng	# 0.00
35) Perylene-d12	23.984	264	14739	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2270	0.194	ng	0.00
5) Phenol-d6	7.091	99	3062	0.207	ng	0.00
8) Nitrobenzene-d5	9.123	82	2522	0.242	ng	0.00
11) 2-Methylnaphthalene-d10	12.320	152	3781	0.208	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	385	0.129	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	5307	0.226	ng	0.00
27) Fluoranthene-d10	19.351	212	6291	0.194	ng	0.00
31) Terphenyl-d14	19.941	244	5958	0.202	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.788	128	37400	1.182	ng	99
12) 2-Methylnaphthalene	12.392	142	13861	0.626	ng	97
16) Acenaphthylene	14.287	152	160910	5.581	ng	100
17) Acenaphthene	14.630	154	14876	0.809	ng	98
18) Fluorene	15.606	166	28490	1.194	ng	89
25) Phenanthrene	17.356	178	263728	7.563	ng	99
26) Anthracene	17.455	178	147868	4.486	ng	96
28) Fluoranthene	19.383	202	499519	12.412	ng	99
30) Pyrene	19.755	202	687387	14.852	ng	98
32) Benzo(a)anthracene	21.497	228	354886	8.263	ng	98
33) Chrysene	21.551	228	310313	7.497	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	62963	2.229	ng	100
36) Indeno(1,2,3-cd)pyrene	26.568	276	172371	3.477	ng	97
37) Benzo(b)fluoranthene	23.224	252	341211	7.168	ng	92
38) Benzo(k)fluoranthene	23.267	252	116786m	2.419	ng	
39) Benzo(a)pyrene	23.873	252	307852	6.839	ng	# 86
40) Dibenzo(a,h)anthracene	26.580	278	54640	1.347	ng	# 87
41) Benzo(g,h,i)perylene	27.384	276	186866	4.489	ng	97

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

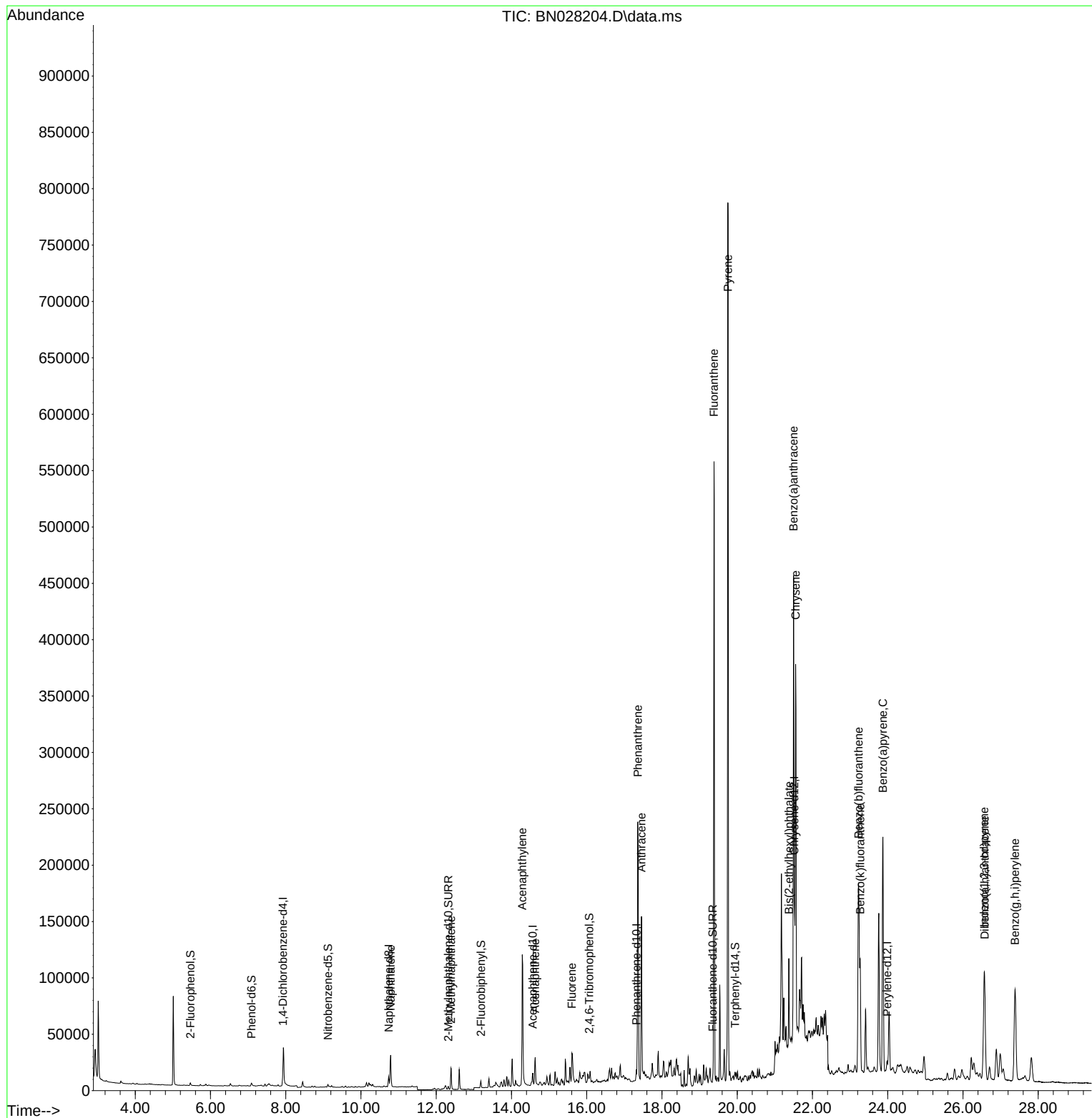
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028204.D
Acq On : 10 Oct 2023 19:16
Operator : MA/JU
Sample : 04704-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

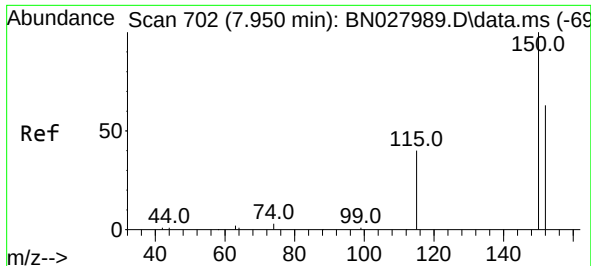
Instrument :
BNA_N
ClientSampleId :
S-4(0-5)

Quant Time: Oct 11 02:33:38 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
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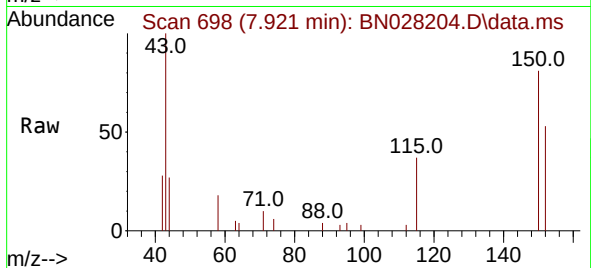
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.921 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

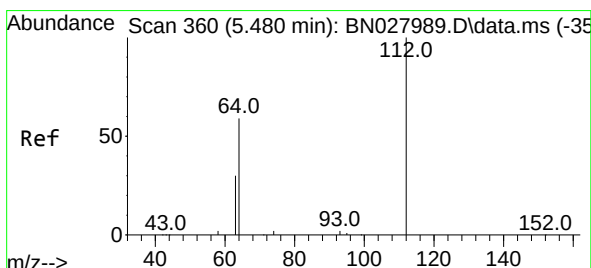
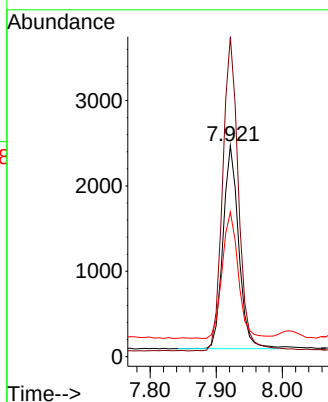
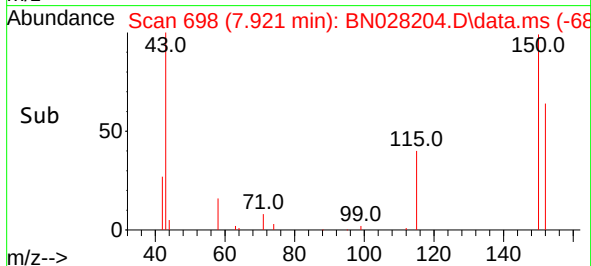
Instrument :
BNA_N
ClientSampleId :
S-4(0-5)



Tgt Ion:152 Resp: 392
Ion Ratio Lower Upper
152 100
150 151.6 125.6 188.4
115 68.5 54.8 82.2

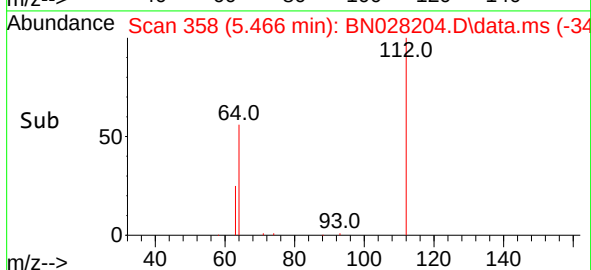
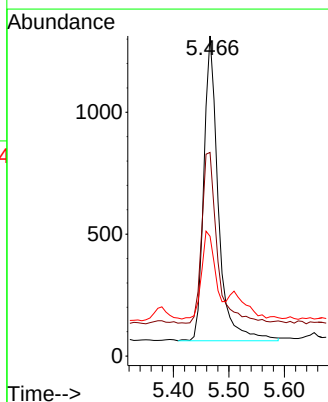
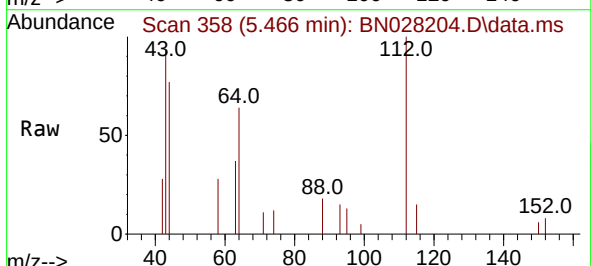
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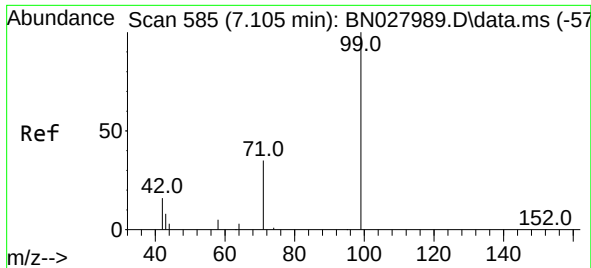
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.194 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

Tgt Ion:112 Resp: 2270
Ion Ratio Lower Upper
112 100
64 59.8 45.0 67.6
63 27.0 23.4 35.0





#5
Phenol-d6
Concen: 0.207 ng
RT: 7.091 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

Instrument :

BNA_N

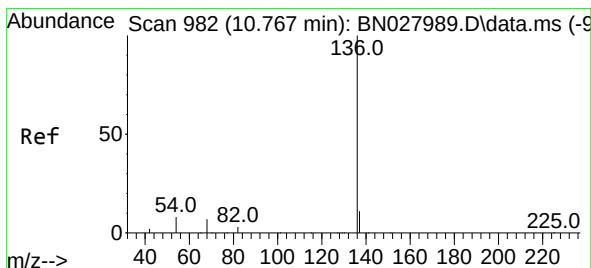
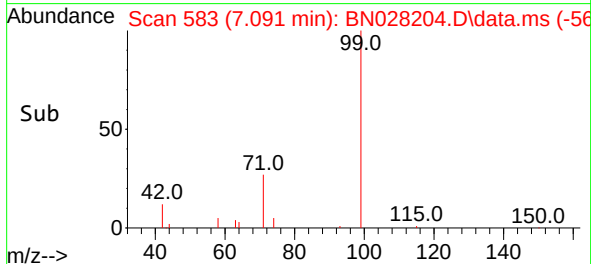
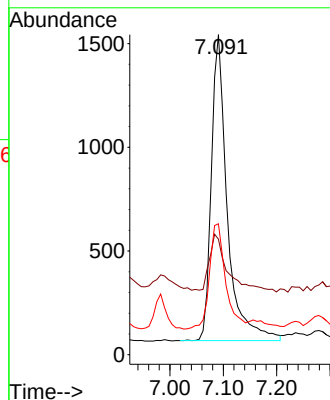
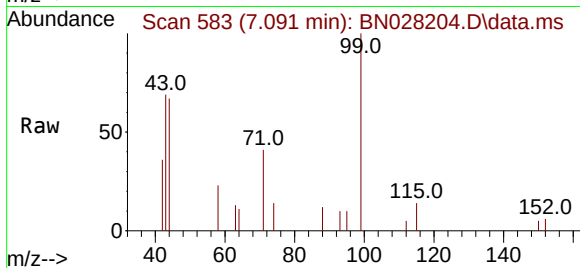
ClientSampleId :

S-4(0-5)

Tgt Ion: 99 Resp: 3062
Ion Ratio Lower Upper
99 100
42 21.5 14.6 22.0
71 34.9 28.3 42.5

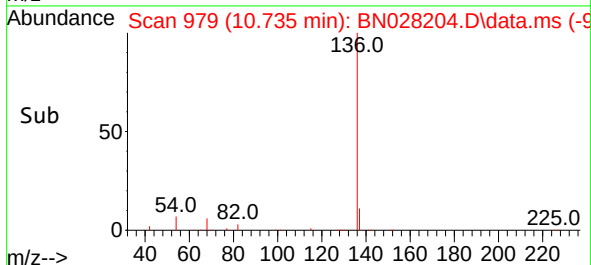
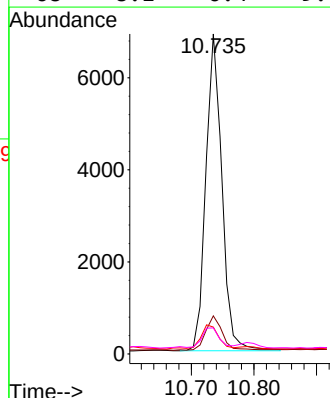
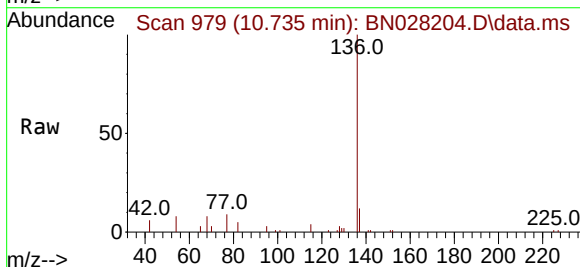
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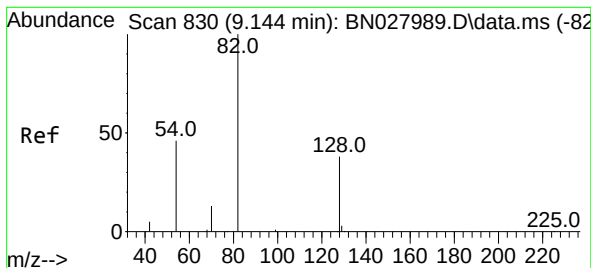
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

Tgt Ion:136 Resp: 12246
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.0
54 8.4 7.0 10.6
68 8.1 6.4 9.6





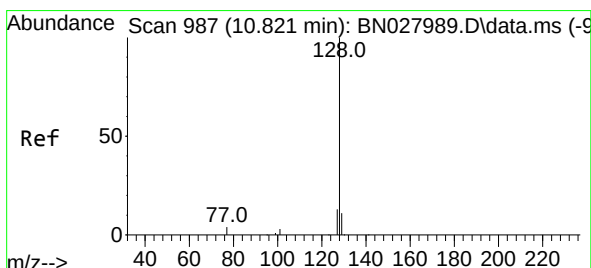
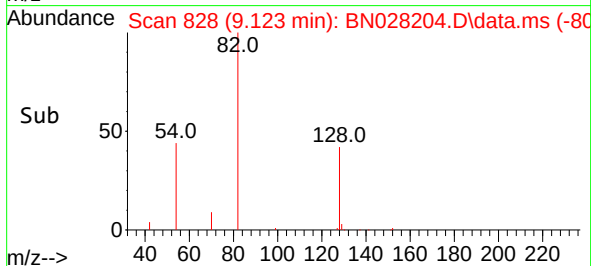
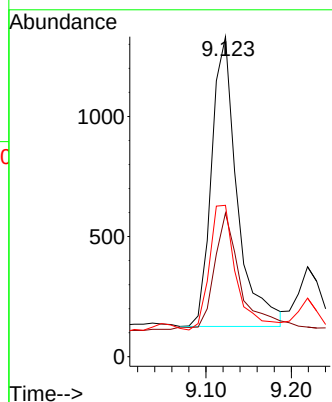
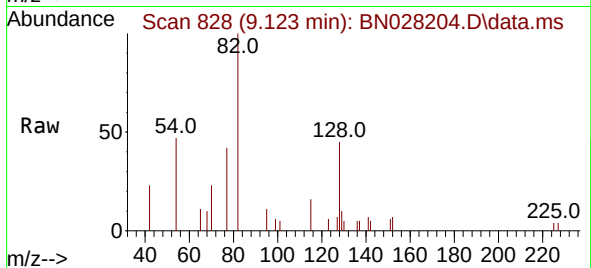
#8
Nitrobenzene-d5
Concen: 0.242 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

Instrument :
BNA_N
ClientSampleId :
S-4(0-5)

Tgt Ion: 82 Resp: 252
Ion Ratio Lower Upper
82 100
128 44.9 32.7 49.1
54 47.3 38.7 58.1

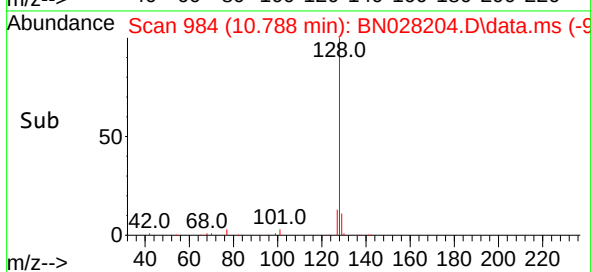
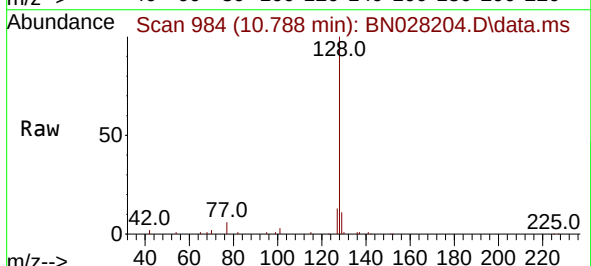
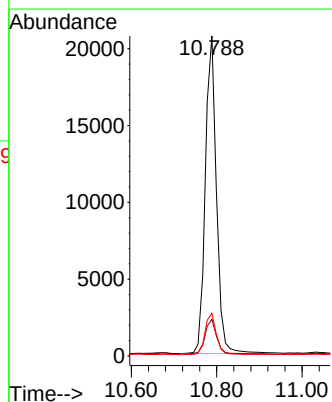
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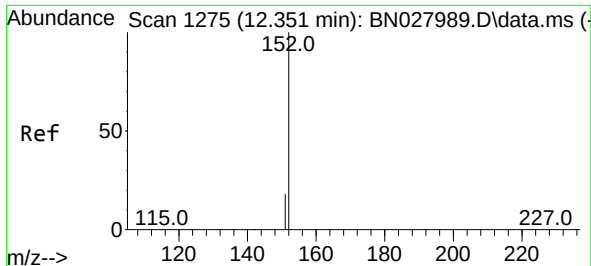
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 1.182 ng
RT: 10.788 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

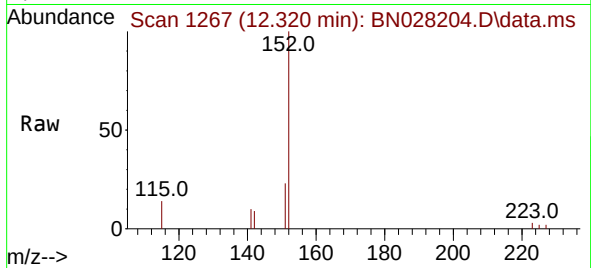
Tgt Ion:128 Resp: 37400
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.2
127 13.4 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.208 ng
RT: 12.320 min Scan# 1275
Delta R.T. -0.004 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

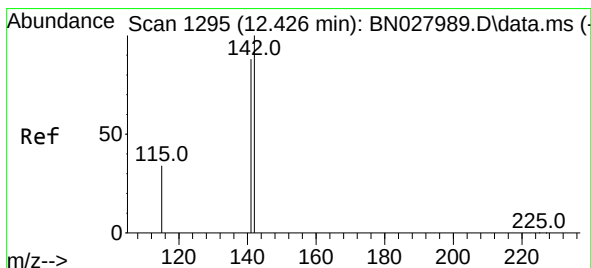
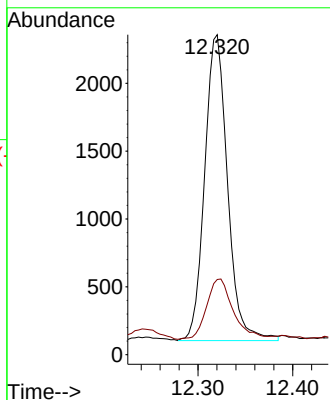
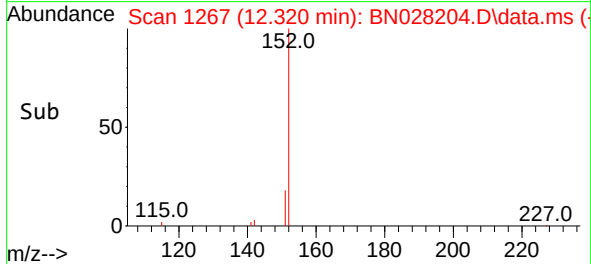
Instrument :
BNA_N
ClientSampleId :
S-4(0-5)



Tgt Ion:152 Resp: 378
Ion Ratio Lower Upper
152 100
151 23.0 16.5 24.7

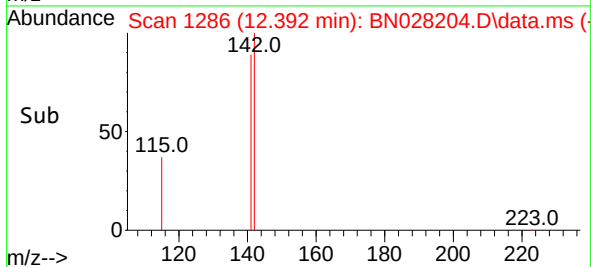
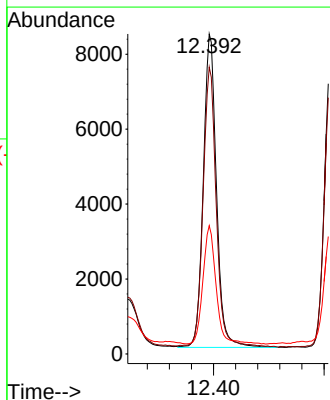
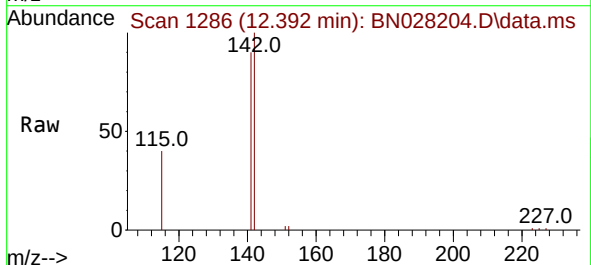
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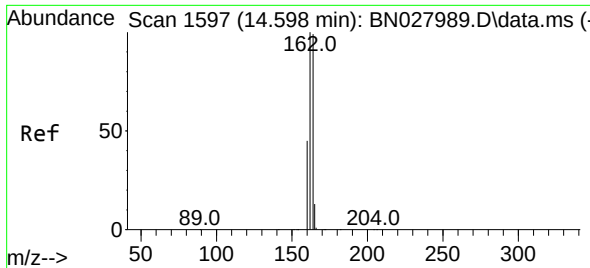
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#12
2-Methylnaphthalene
Concen: 0.626 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

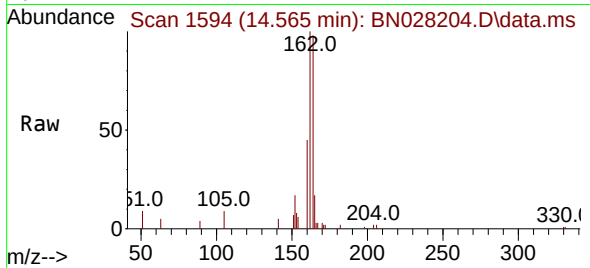
Tgt Ion:142 Resp: 13861
Ion Ratio Lower Upper
142 100
141 89.6 70.7 106.1
115 40.1 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.565 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

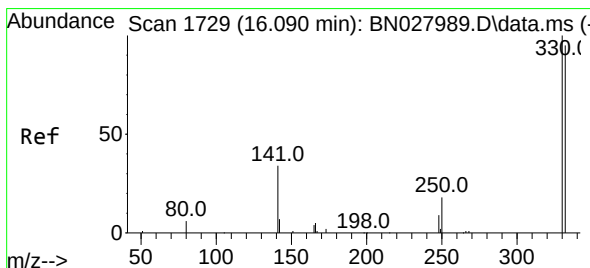
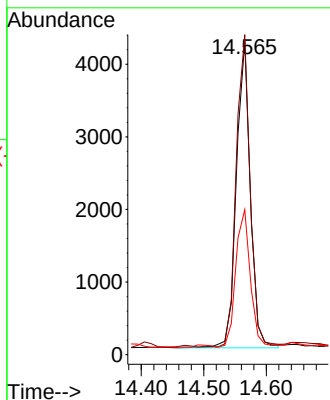
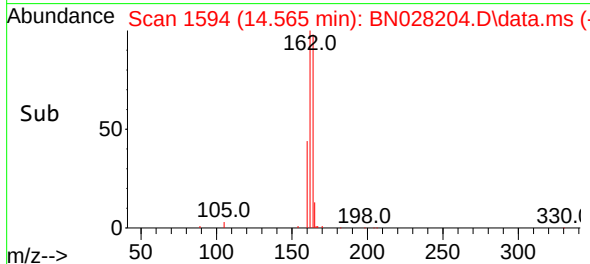
Instrument :
BNA_N
ClientSampleId :
S-4(0-5)



Tgt Ion:164 Resp: 6508
Ion Ratio Lower Upper
164 100
162 102.2 80.8 121.2
160 46.3 36.4 54.6

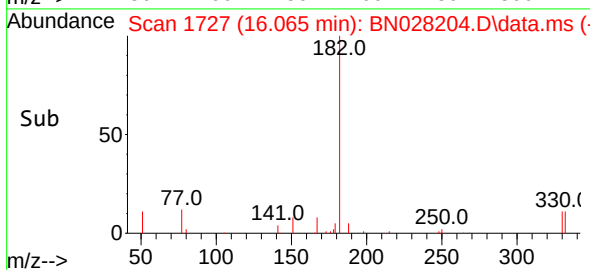
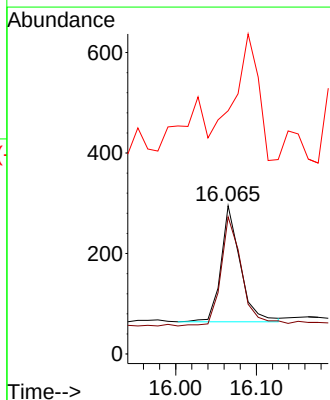
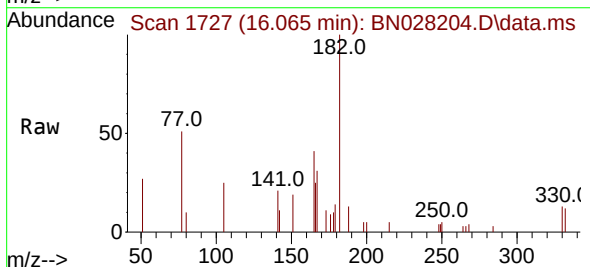
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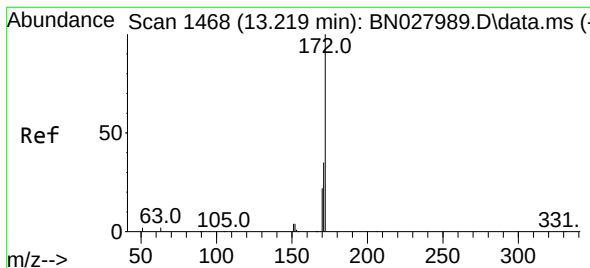
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#14
2,4,6-Tribromophenol
Concen: 0.129 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

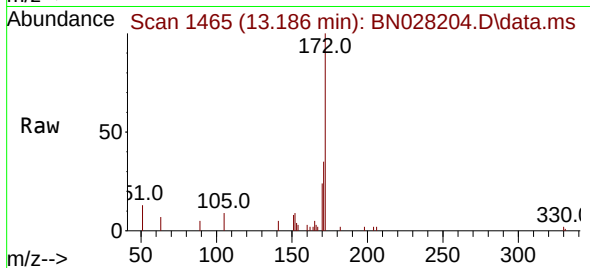
Tgt Ion:330 Resp: 385
Ion Ratio Lower Upper
330 100
332 102.1 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.226 ng
RT: 13.186 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

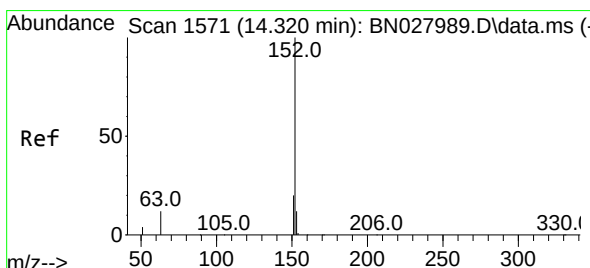
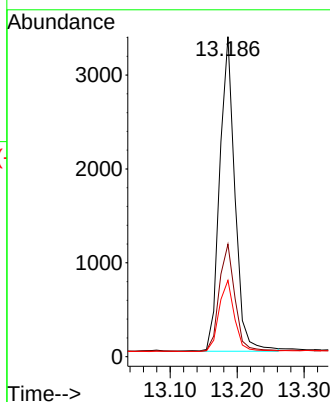
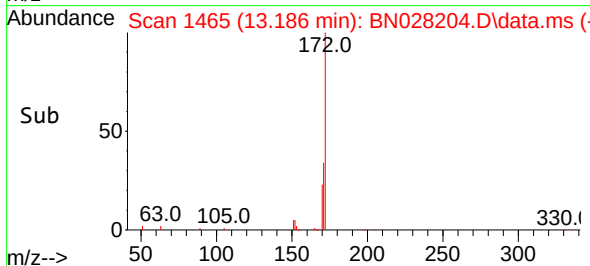
Instrument :
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S-4(0-5)



Tgt Ion:172 Resp: 530
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.8 18.4 27.6

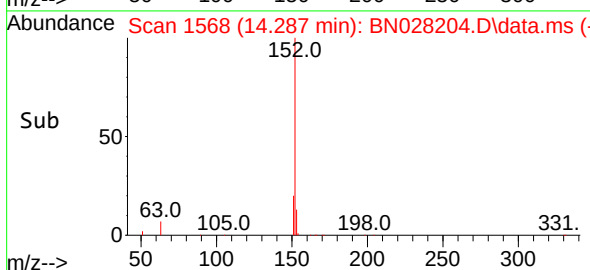
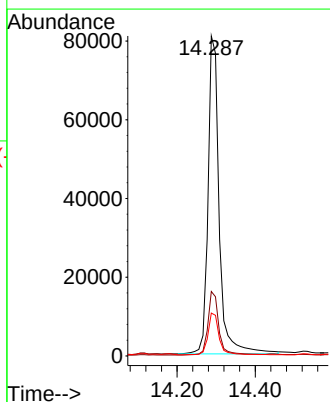
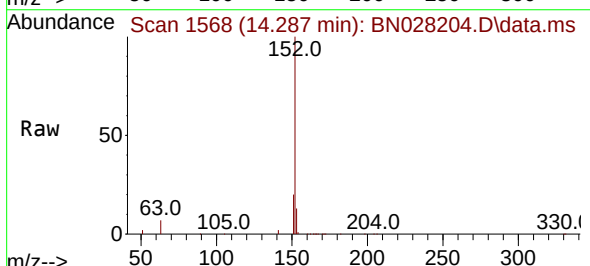
Manual Integrations
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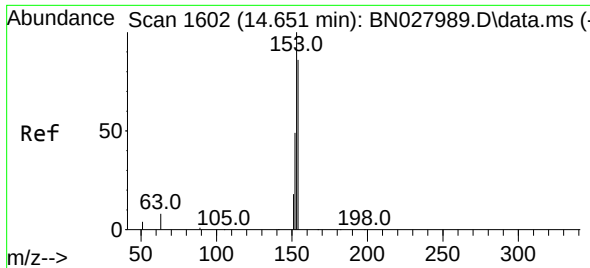
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 5.581 ng
RT: 14.287 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

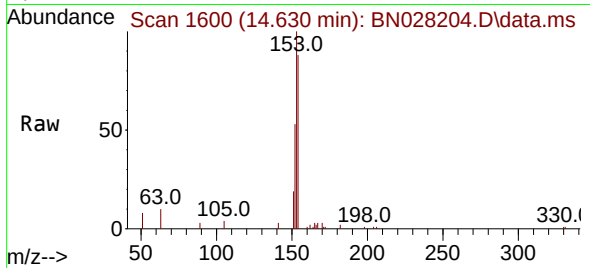
Tgt Ion:152 Resp: 160910
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.1 10.2 15.4





#17
Acenaphthene
Concen: 0.809 ng
RT: 14.630 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

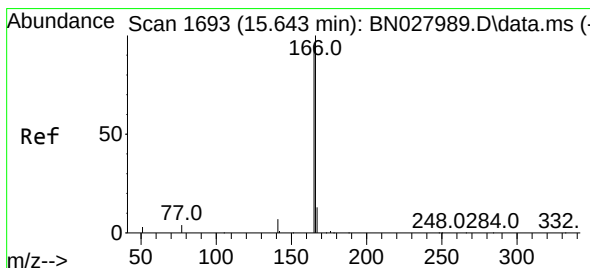
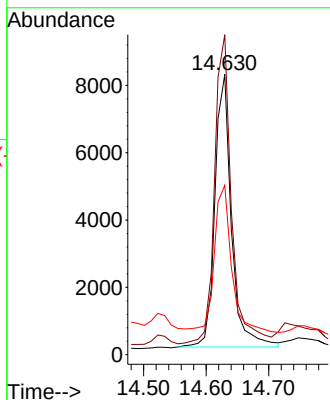
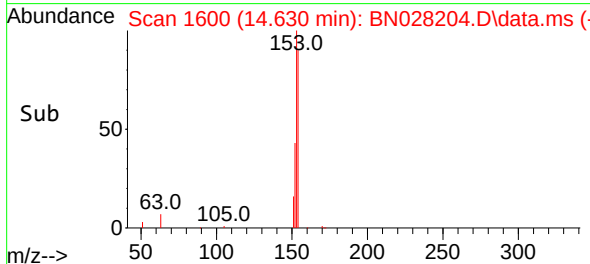
Instrument :
BNA_N
ClientSampleId :
S-4(0-5)



Tgt Ion:154 Resp: 14870
Ion Ratio Lower Upper
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153 115.6 90.8 136.2
152 56.1 43.9 65.9

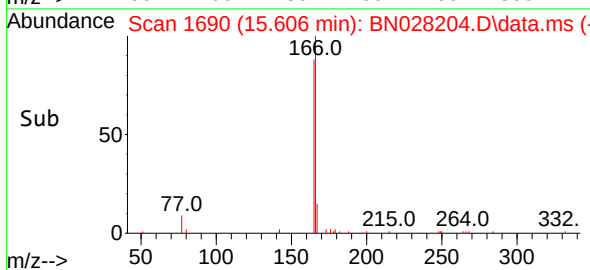
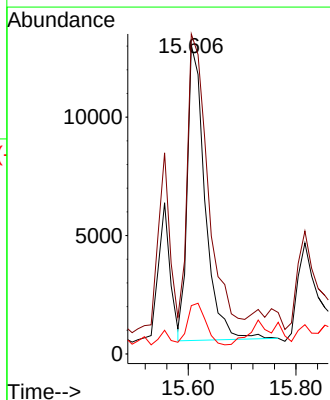
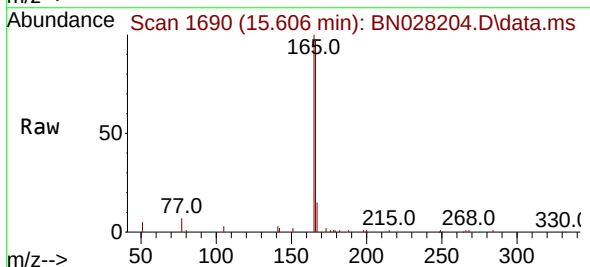
Manual Integrations
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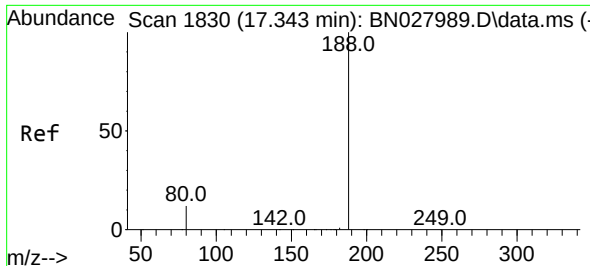
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#18
Fluorene
Concen: 1.194 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.013 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

Tgt Ion:166 Resp: 28490
Ion Ratio Lower Upper
166 100
165 109.7 77.8 116.8
167 14.3 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.318 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BN028204.D

Acq: 10 Oct 2023 19:16

Instrument :

BNA_N

ClientSampleId :

S-4(0-5)

Tgt Ion:188 Resp: 1293

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

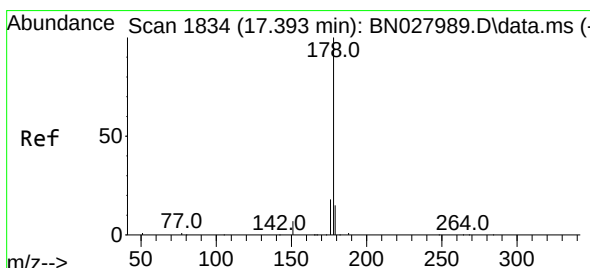
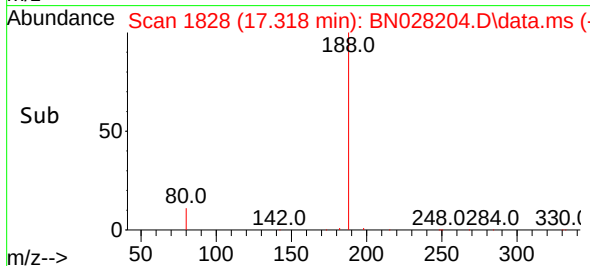
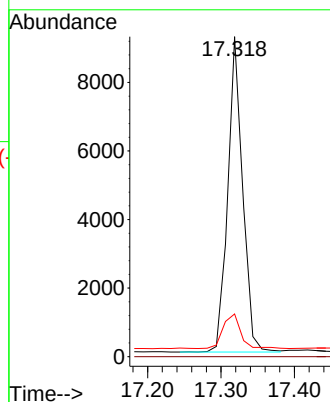
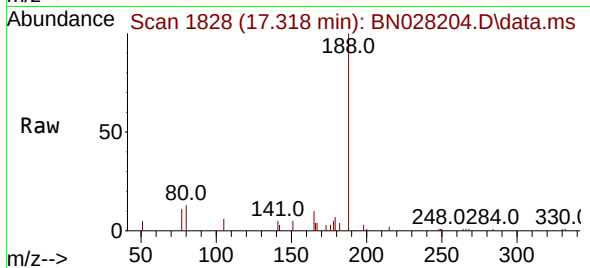
80 13.4 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/12/2023



#25

Phenanthrene

Concen: 7.563 ng

RT: 17.356 min Scan# 1831

Delta R.T. -0.013 min

Lab File: BN028204.D

Acq: 10 Oct 2023 19:16

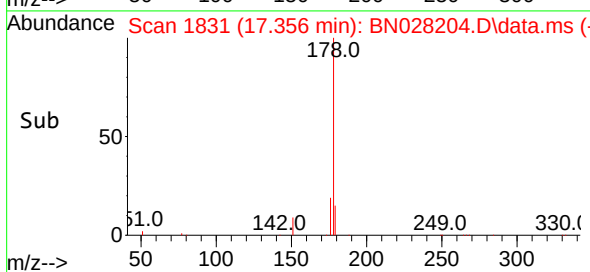
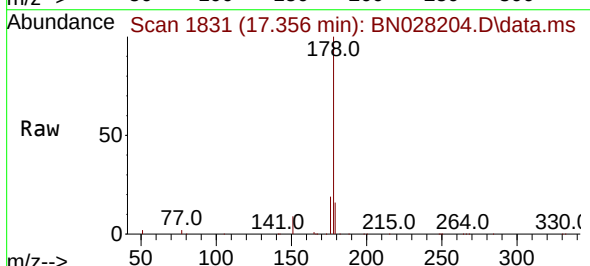
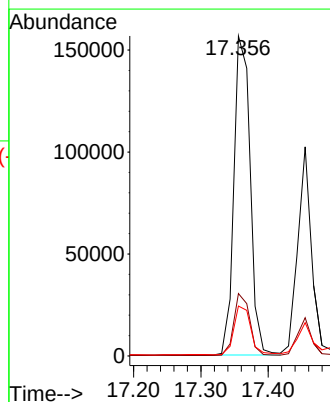
Tgt Ion:178 Resp: 263728

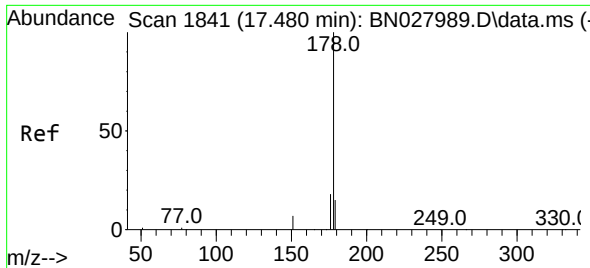
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

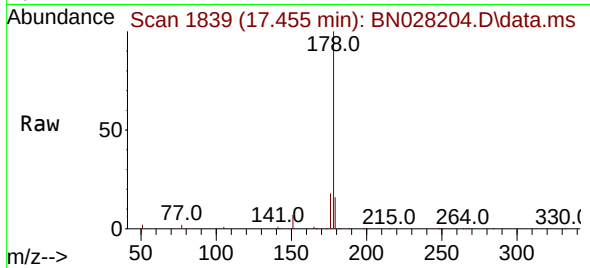
179 15.7 12.4 18.6





#26
 Anthracene
 Concen: 4.486 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028204.D
 Acq: 10 Oct 2023 19:16

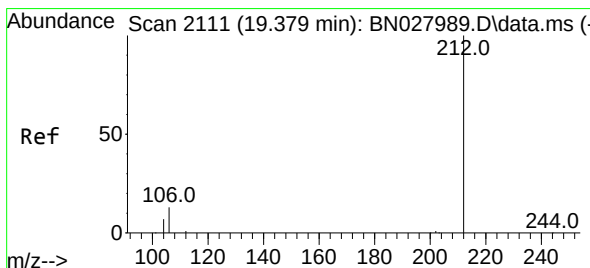
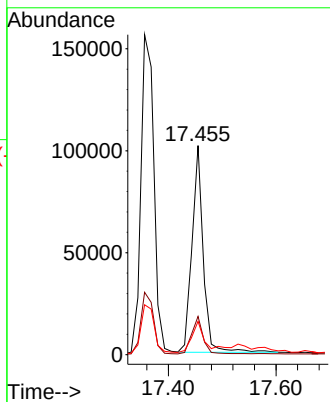
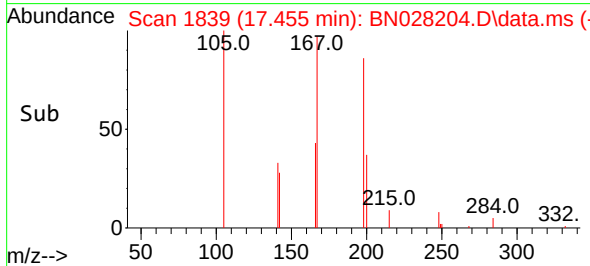
Instrument :
 BNA_N
 ClientSampleId :
 S-4(0-5)



Tgt Ion:178 Resp: 147868
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.7 22.1
 179 18.1 12.2 18.2

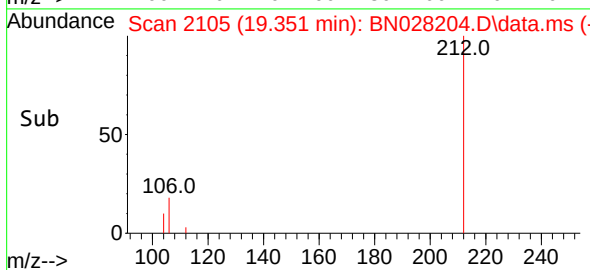
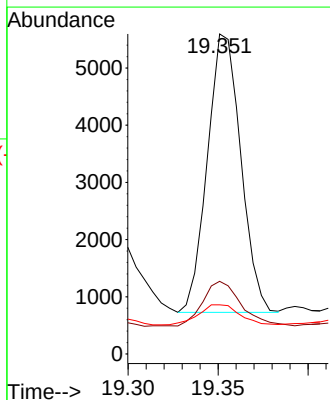
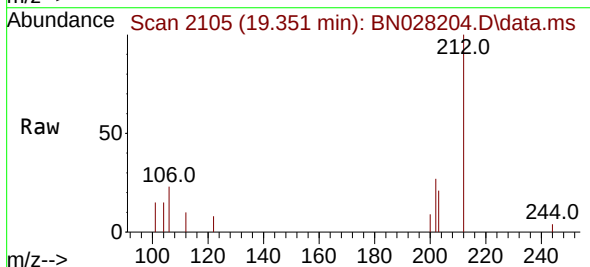
Manual Integrations
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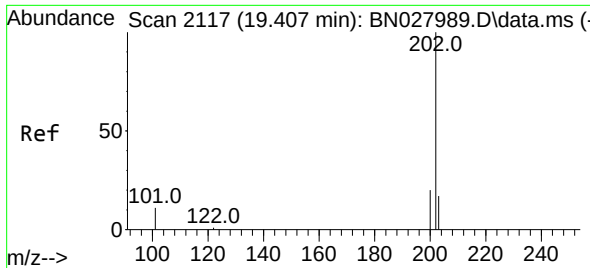
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.194 ng
 RT: 19.351 min Scan# 2105
 Delta R.T. -0.005 min
 Lab File: BN028204.D
 Acq: 10 Oct 2023 19:16

Tgt Ion:212 Resp: 6291
 Ion Ratio Lower Upper
 212 100
 106 18.1 11.3 16.9#
 104 9.6 6.4 9.6





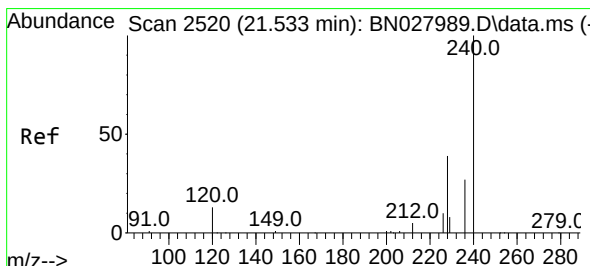
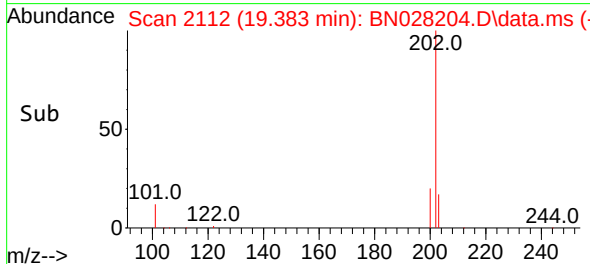
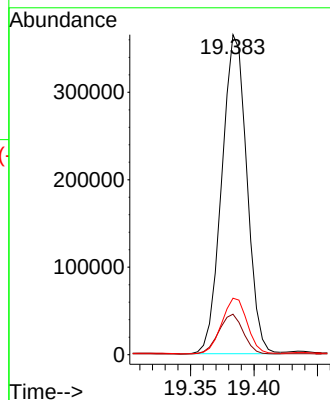
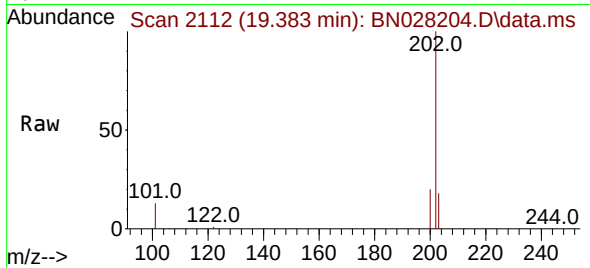
#28
Fluoranthene
Concen: 12.412 ng
RT: 19.383 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

Instrument :
BNA_N
ClientSampleId :
S-4(0-5)

Tgt Ion:202 Resp: 499519
Ion Ratio Lower Upper
202 100
101 12.4 9.8 14.6
203 17.7 13.8 20.8

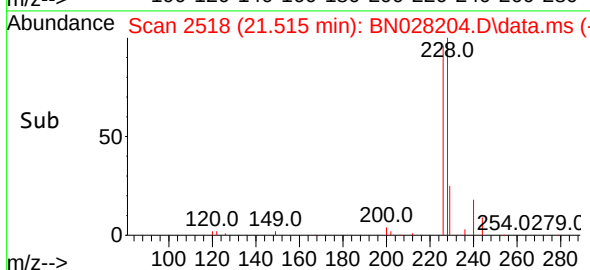
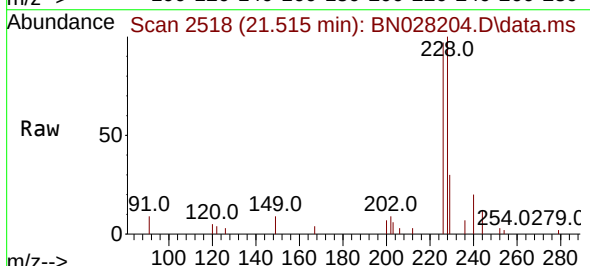
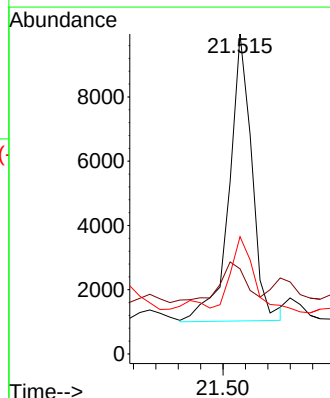
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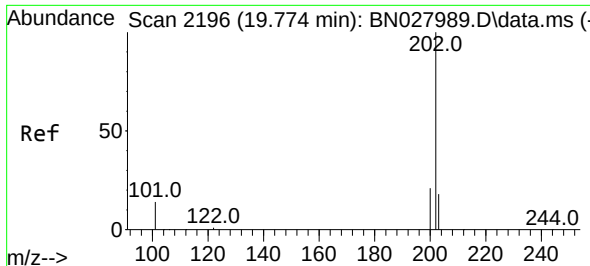
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

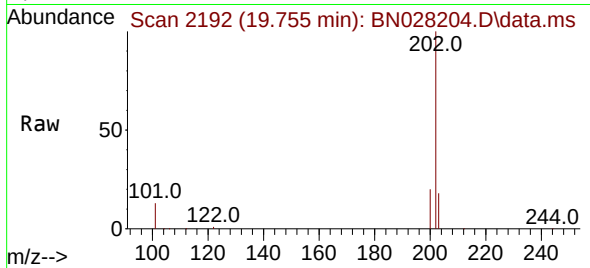
Tgt Ion:240 Resp: 12622
Ion Ratio Lower Upper
240 100
120 26.6 13.8 20.6#
236 36.6 22.6 33.8#





#30
Pyrene
Concen: 14.852 ng
RT: 19.755 min Scan# 2196
Delta R.T. 0.004 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

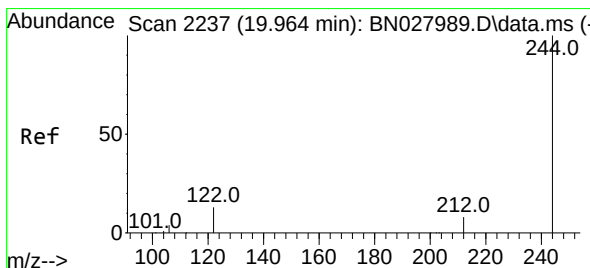
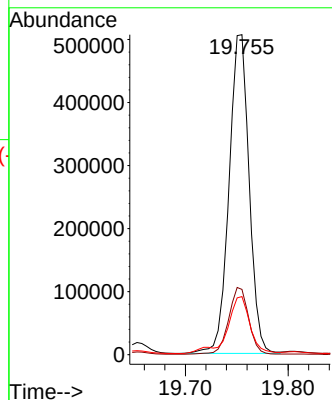
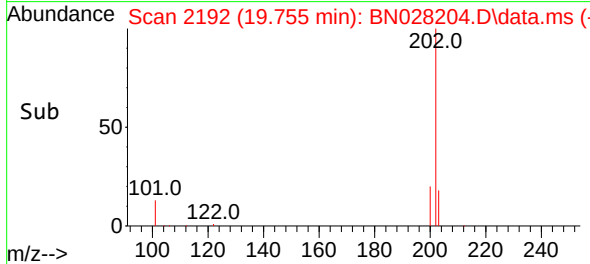
Instrument :
BNA_N
ClientSampleId :
S-4(0-5)



Tgt Ion:202 Resp: 68738
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 20.2 14.7 22.1

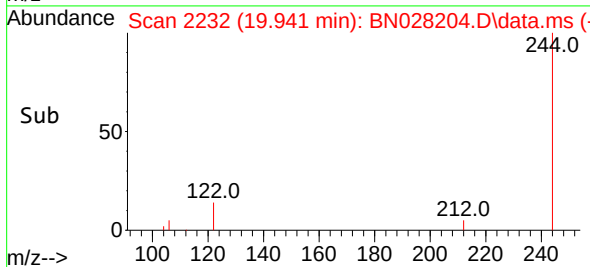
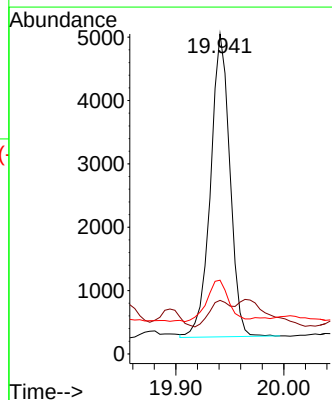
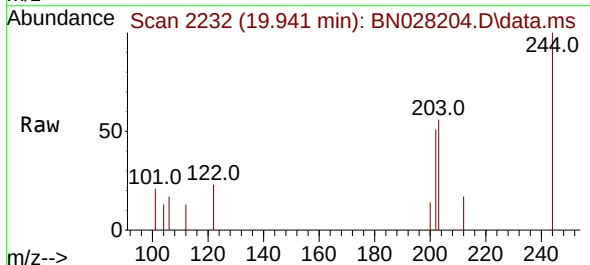
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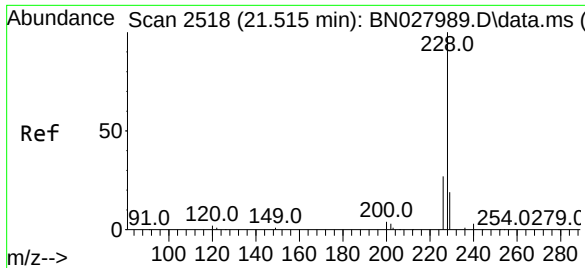
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.202 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

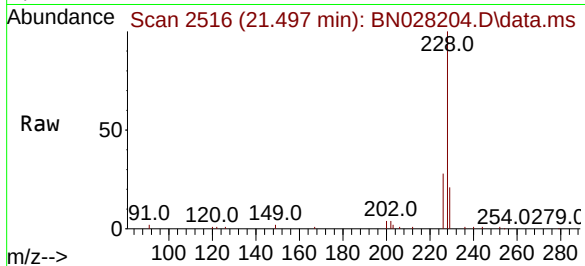
Tgt Ion:244 Resp: 5958
Ion Ratio Lower Upper
244 100
212 16.8 6.6 9.8#
122 23.0 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 8.263 ng
RT: 21.497 min Scan# 21497
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

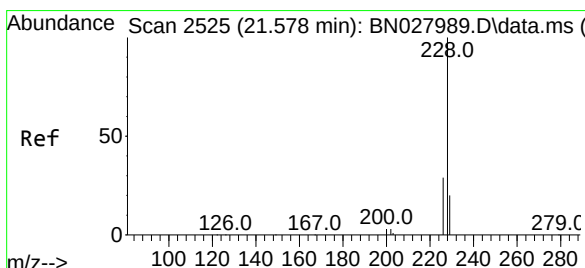
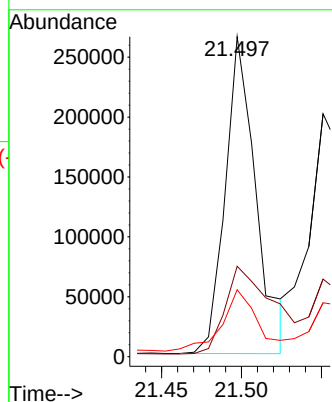
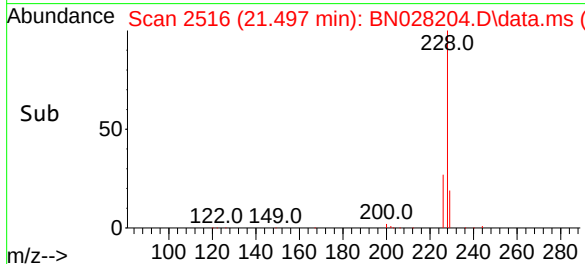
Instrument :
BNA_N
ClientSampleId :
S-4(0-5)



Tgt Ion:228 Resp: 354880
Ion Ratio Lower Upper
228 100
226 28.3 22.0 33.0
229 20.9 16.0 24.0

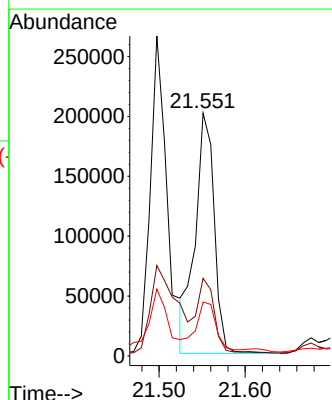
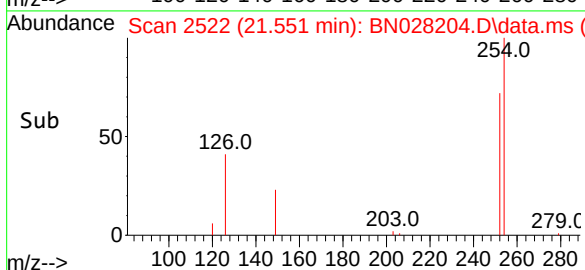
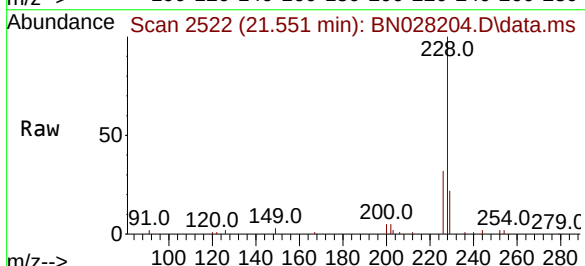
Manual Integrations
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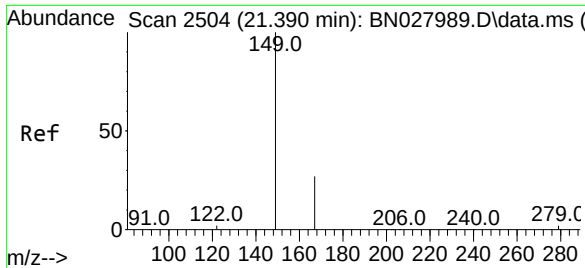
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#33
Chrysene
Concen: 7.497 ng
RT: 21.551 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

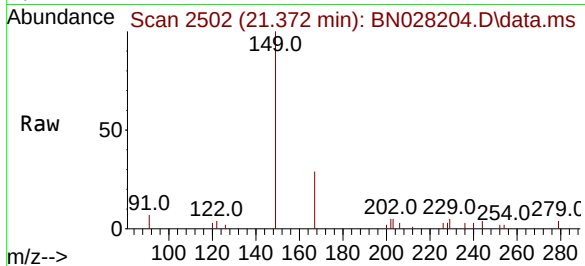
Tgt Ion:228 Resp: 310313
Ion Ratio Lower Upper
228 100
226 31.9 23.8 35.8
229 22.2 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 2.229 ng
RT: 21.372 min Scan# 2136
Delta R.T. 0.009 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

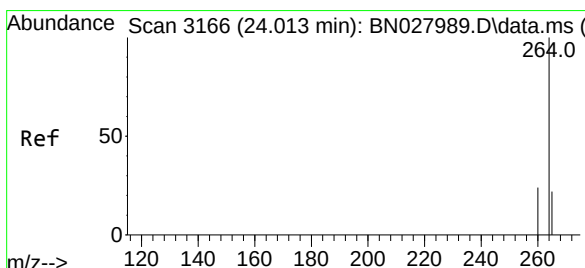
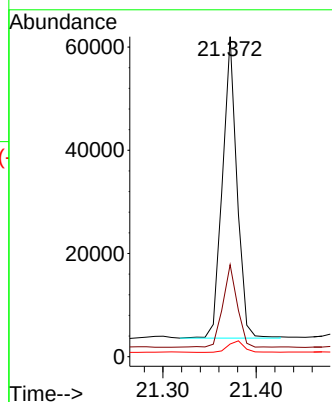
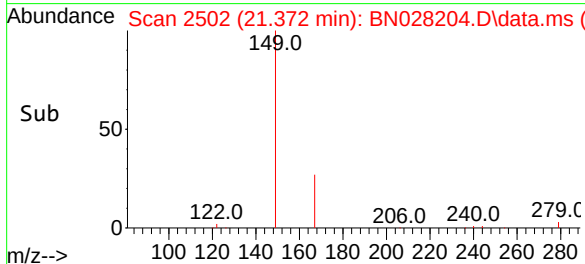
Instrument :
BNA_N
ClientSampleId :
S-4(0-5)



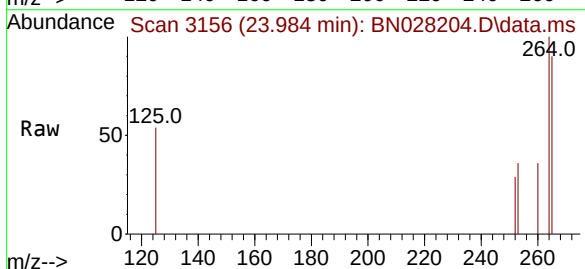
Tgt Ion:149 Resp: 6296
Ion Ratio Lower Upper
149 100
167 27.4 22.1 33.1
279 4.2 3.4 5.0

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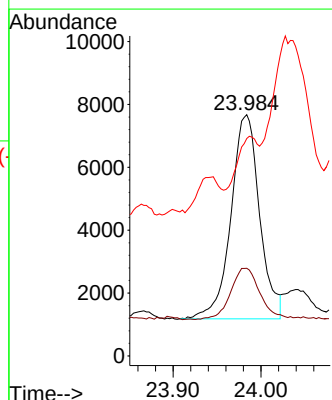
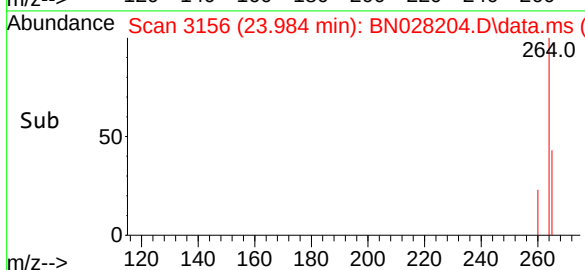
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

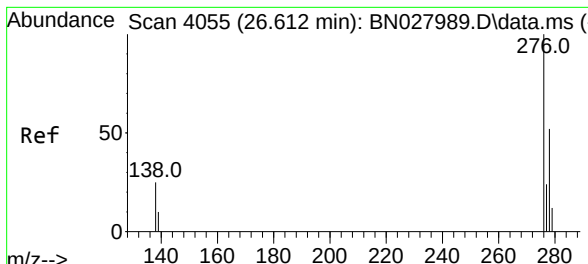


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.984 min Scan# 3156
Delta R.T. 0.009 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16



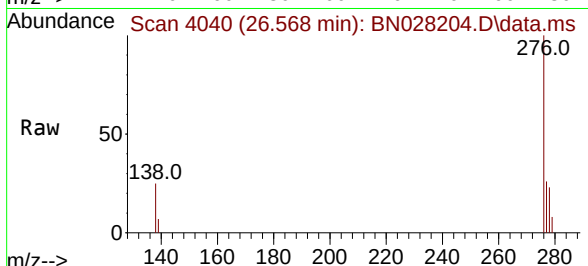
Tgt Ion:264 Resp: 14739
Ion Ratio Lower Upper
264 100
260 36.4 20.2 30.4#
265 90.1 54.8 82.2#





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 3.477 ng
 RT: 26.568 min Scan# 4055
 Delta R.T. 0.011 min
 Lab File: BN028204.D
 Acq: 10 Oct 2023 19:16

Instrument :
 BNA_N
 ClientSampleId :
 S-4(0-5)

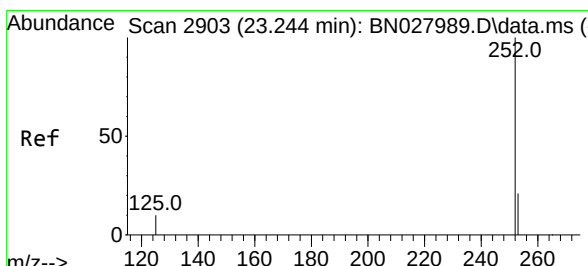
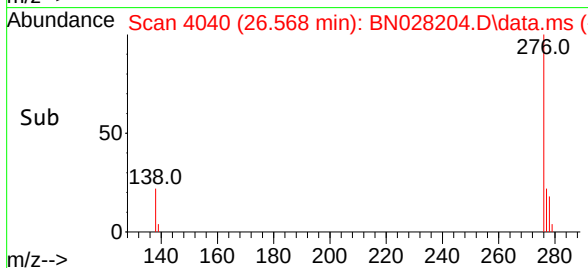
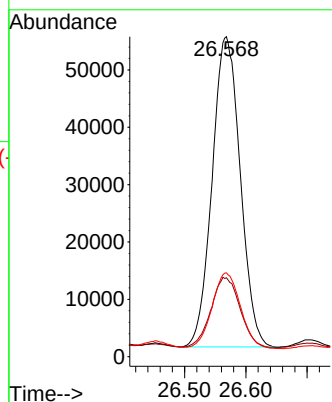


Tgt Ion: 276 Resp: 17237

Ion	Ratio	Lower	Upper
276	100		
138	23.5	20.9	31.3
277	24.7	19.8	29.6

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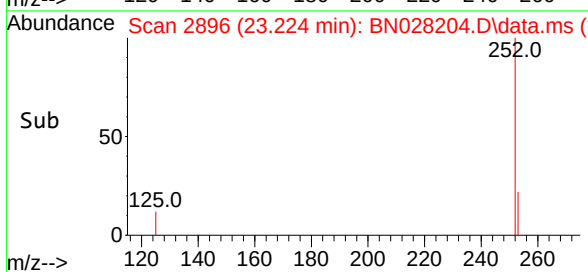
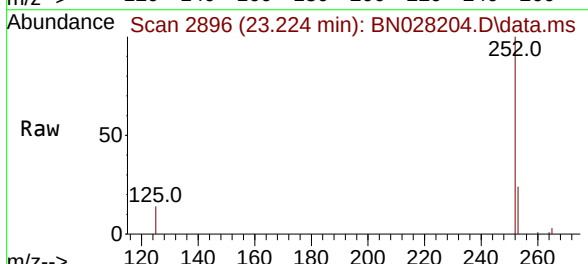
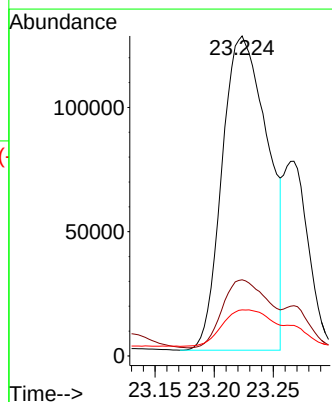
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

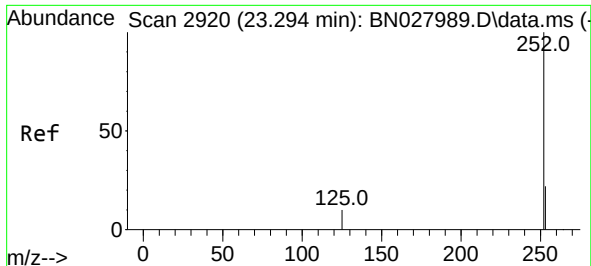


#37
 Benzo(b)fluoranthene
 Concen: 7.168 ng
 RT: 23.224 min Scan# 2896
 Delta R.T. 0.011 min
 Lab File: BN028204.D
 Acq: 10 Oct 2023 19:16

Tgt Ion: 252 Resp: 341211

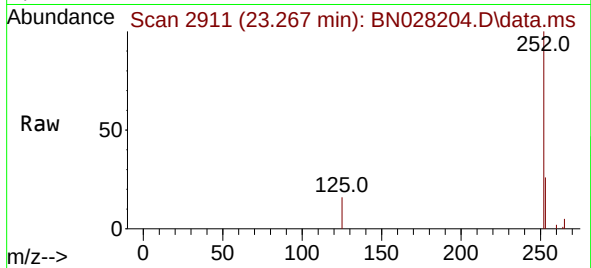
Ion	Ratio	Lower	Upper
252	100		
253	23.8	22.9	34.3
125	14.4	13.8	20.8





#38
Benzo(k)fluoranthene
Concen: 2.419 ng m
RT: 23.267 min Scan# 2911
Delta R.T. 0.006 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

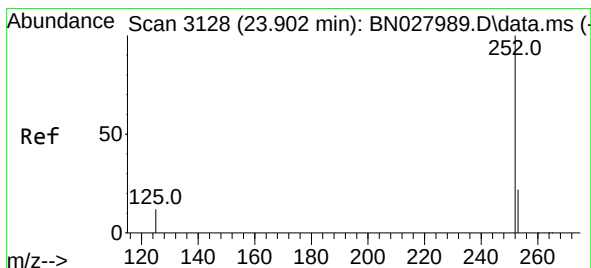
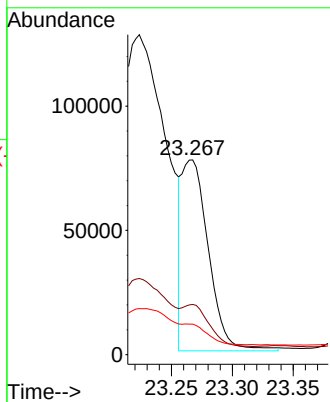
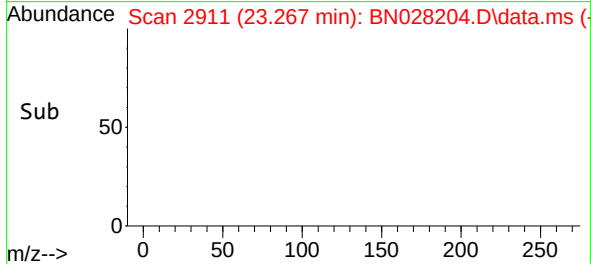
Instrument :
BNA_N
ClientSampleId :
S-4(0-5)



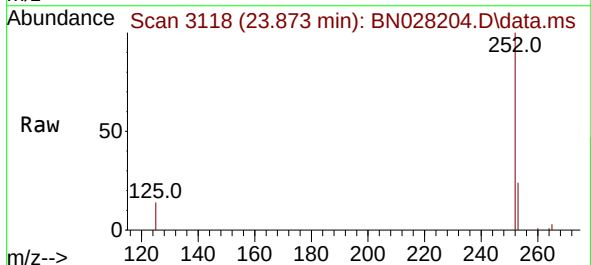
Tgt Ion:252 Resp: 116780
Ion Ratio Lower Upper
252 100
253 25.8 23.1 34.7
125 15.7 13.8 20.8

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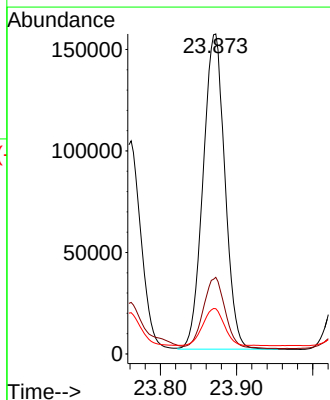
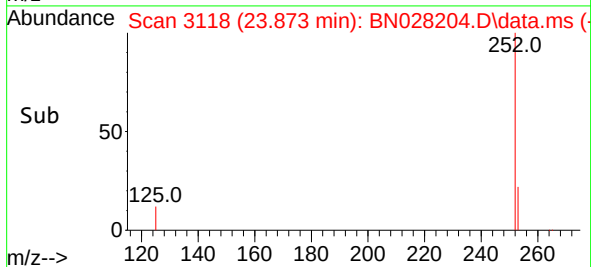
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

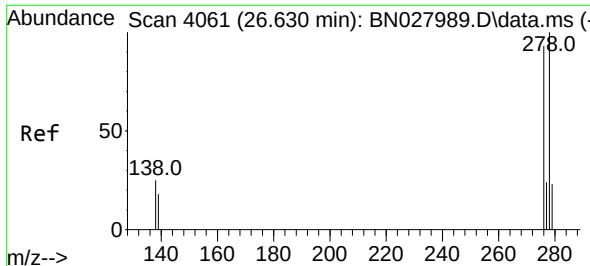


#39
Benzo(a)pyrene
Concen: 6.839 ng
RT: 23.873 min Scan# 3118
Delta R.T. 0.009 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16



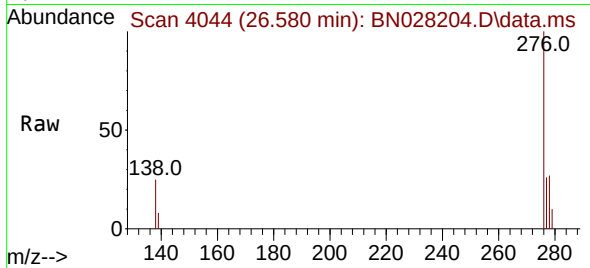
Tgt Ion:252 Resp: 307852
Ion Ratio Lower Upper
252 100
253 24.0 25.0 37.4#
125 14.1 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 1.347 ng
RT: 26.580 min Scan# 4061
Delta R.T. 0.003 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16

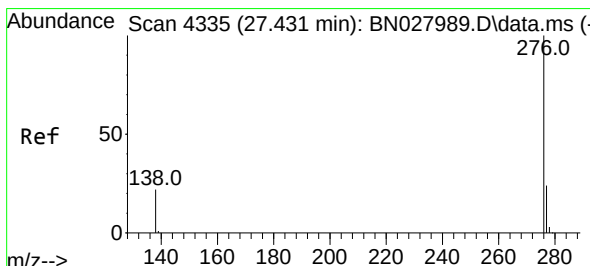
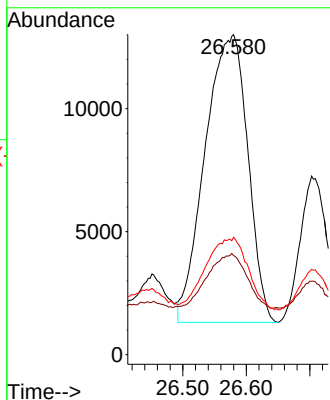
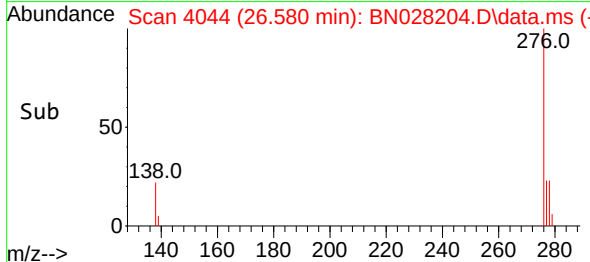
Instrument :
BNA_N
ClientSampleId :
S-4(0-5)



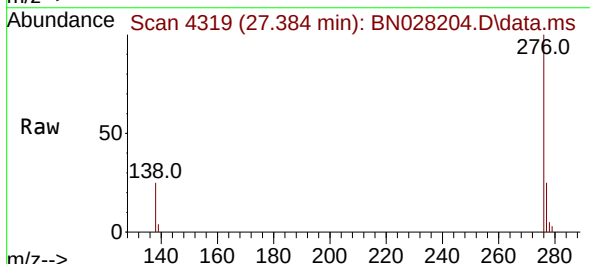
Tgt Ion:278 Resp: 54640
Ion Ratio Lower Upper
278 100
139 31.0 17.7 26.5
279 36.7 25.2 37.8

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 4.489 ng
RT: 27.384 min Scan# 4319
Delta R.T. 0.017 min
Lab File: BN028204.D
Acq: 10 Oct 2023 19:16



Tgt Ion:276 Resp: 186866
Ion Ratio Lower Upper
276 100
277 25.3 22.1 33.1
138 25.5 20.8 31.2

