

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028217.D
 Acq On : 11 Oct 2023 04:10
 Operator : MA/JU
 Sample : 04704-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-104-1(5-10)

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 04:42:47 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	3579	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11239	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	8302	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	12178	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	10141m	0.400	ng	0.00
35) Perylene-d12	23.984	264	20057	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2817	0.264	ng	0.00
5) Phenol-d6	7.084	99	3378	0.251	ng	0.00
8) Nitrobenzene-d5	9.123	82	2822	0.295	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	4256	0.256	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	755	0.199	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	6082	0.203	ng	0.00
27) Fluoranthene-d10	19.360	212	8067	0.264	ng	0.00
31) Terphenyl-d14	19.941	244	8330	0.352	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	1282817	44.175	ng	98
12) 2-Methylnaphthalene	12.392	142	331101	16.299	ng	100
16) Acenaphthylene	14.298	152	1209951	32.899	ng	99
17) Acenaphthene	14.630	154	193241	8.243	ng	98
18) Fluorene	15.606	166	567601	18.641	ng	97
25) Phenanthrene	17.368	178	3656192	111.362	ng	99
26) Anthracene	17.455	178	1402233	45.186	ng	# 95
28) Fluoranthene	19.393	202	3202516	84.521	ng	98
30) Pyrene	19.760	202	3908308	105.101	ng	97
32) Benzo(a)anthracene	21.498	228	2100838	60.880	ng	98
33) Chrysene	21.560	228	1808954	54.396	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	4632	0.204	ng	# 84
36) Indeno(1,2,3-cd)pyrene	26.586	276	1093316	16.206	ng	97
37) Benzo(b)fluoranthene	23.227	252	2025432	31.268	ng	# 89
38) Benzo(k)fluoranthene	23.271	252	741713m	11.289	ng	
39) Benzo(a)pyrene	23.882	252	1974539m	32.237	ng	
40) Dibenzo(a,h)anthracene	26.592	278	327681	5.937	ng	100
41) Benzo(g,h,i)perylene	27.405	276	1124062	19.843	ng	95

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

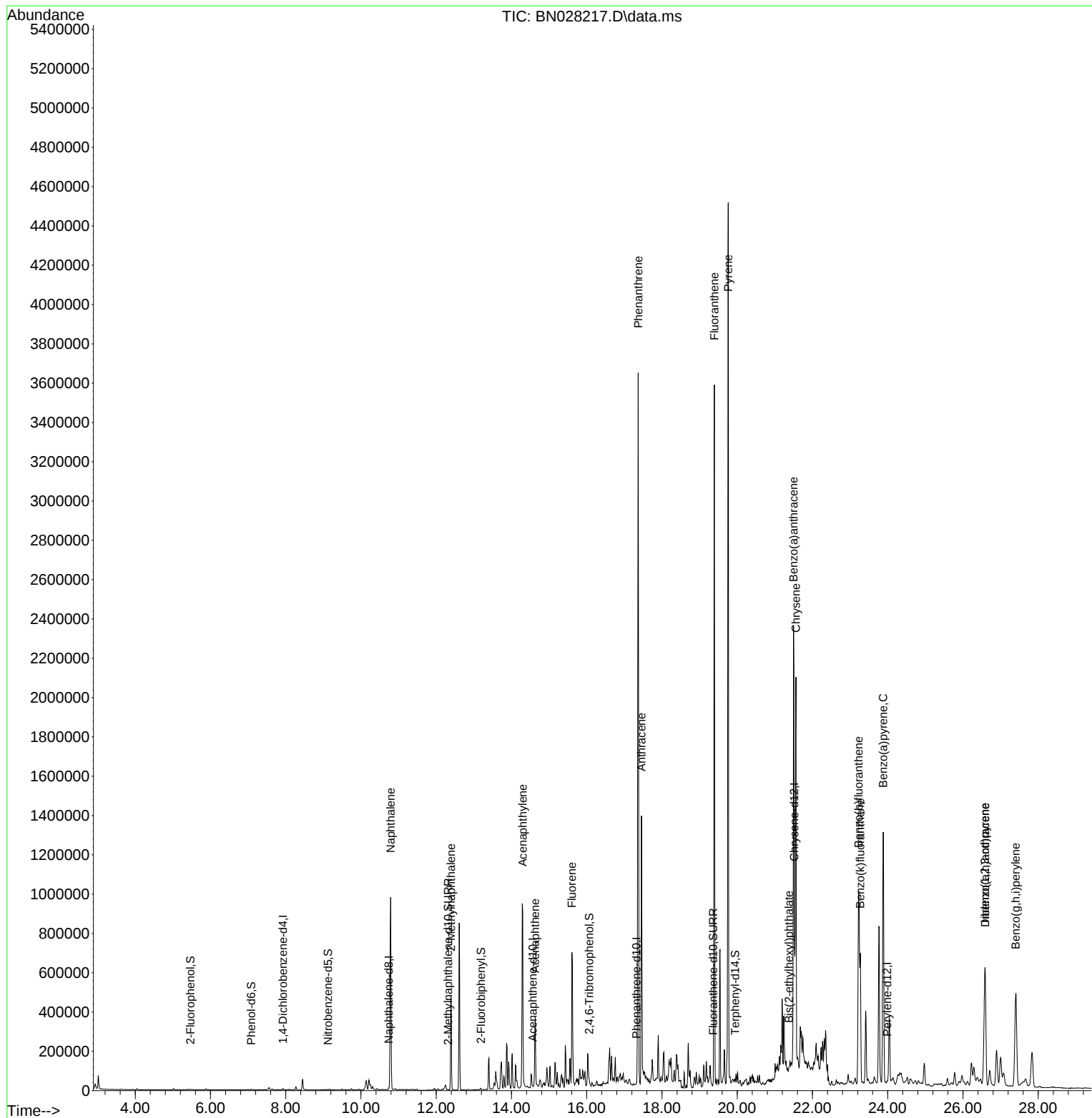
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
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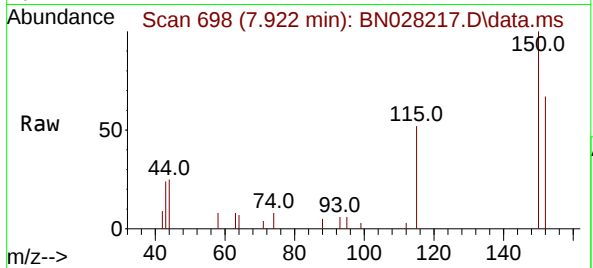
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

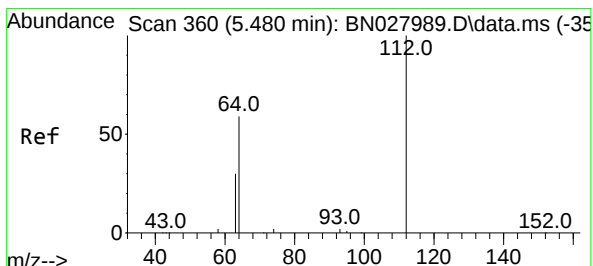
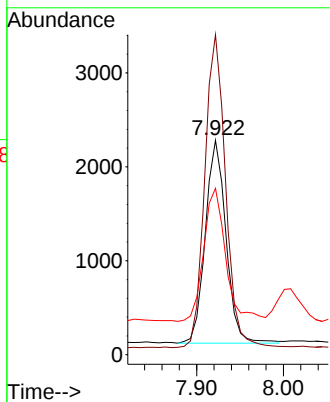
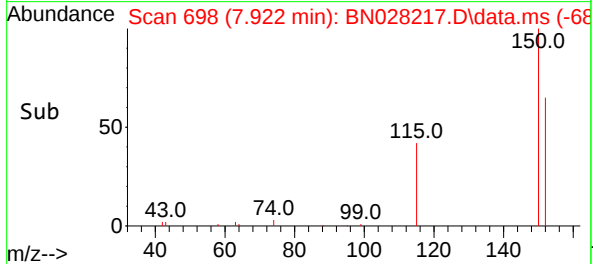
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)



Tgt Ion:152 Resp: 3579
Ion Ratio Lower Upper
152 100
150 149.3 125.6 188.4
115 77.7 54.8 82.2

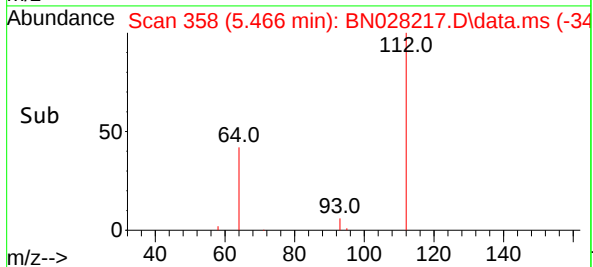
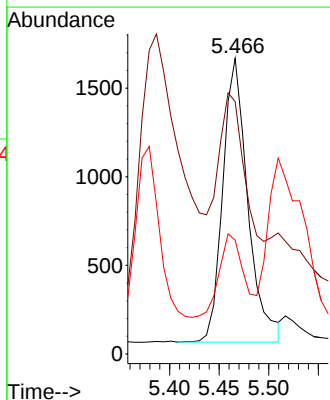
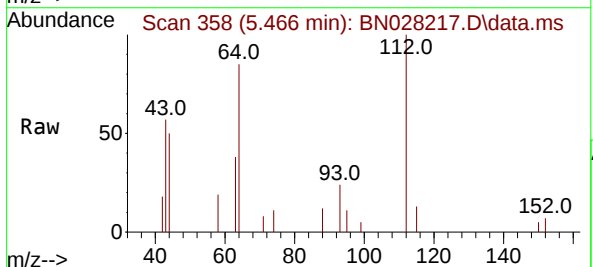
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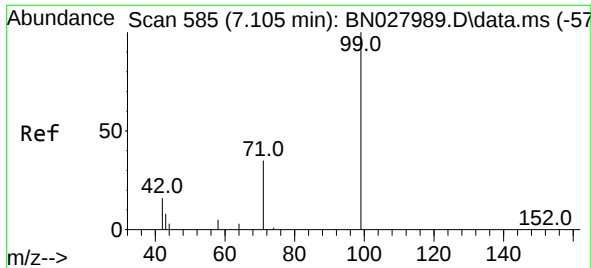
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.264 ng
RT: 5.466 min Scan# 358
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

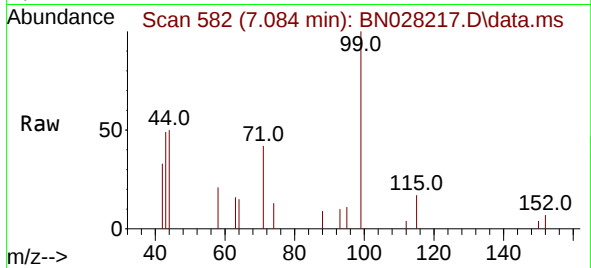
Tgt Ion:112 Resp: 2817
Ion Ratio Lower Upper
112 100
64 48.2 45.0 67.6
63 29.3 23.4 35.0





#5
Phenol-d6
Concen: 0.251 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

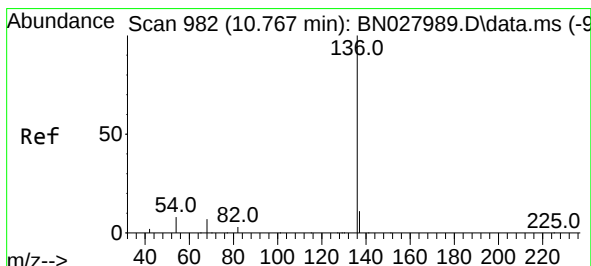
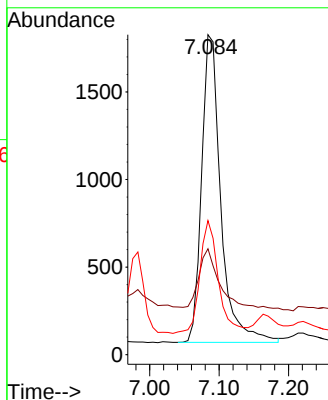
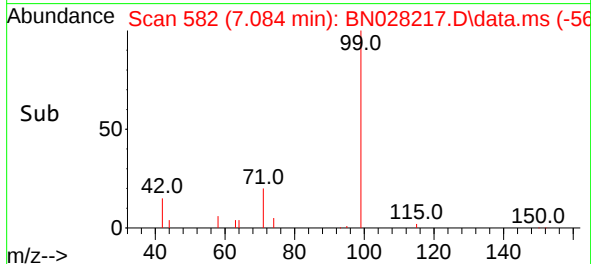
Instrument :
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SB-104-1(5-10)



Tgt Ion: 99 Resp: 3378
Ion Ratio Lower Upper
99 100
42 24.0 14.6 22.0
71 35.6 28.3 42.5

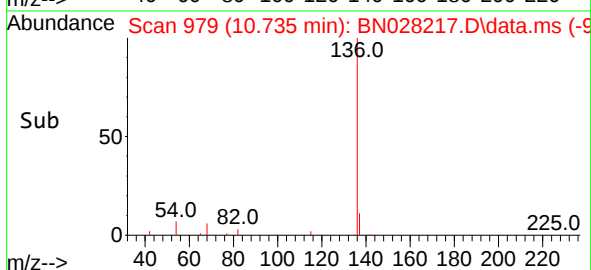
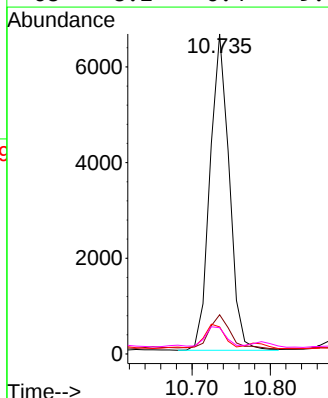
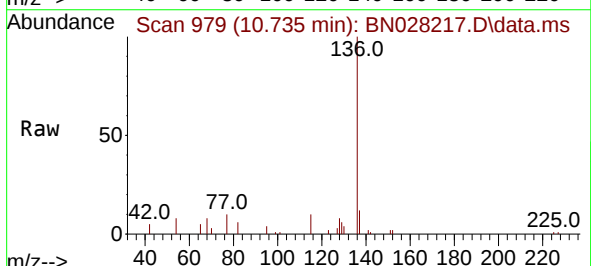
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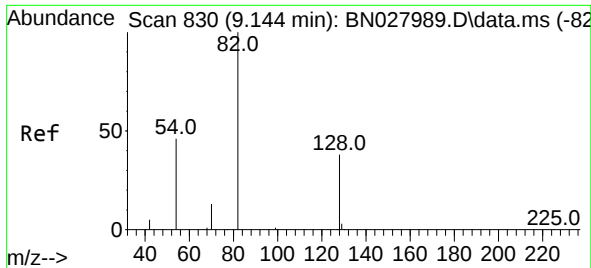
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Tgt Ion:136 Resp: 11239
Ion Ratio Lower Upper
136 100
137 12.3 9.4 14.0
54 8.4 7.0 10.6
68 8.2 6.4 9.6





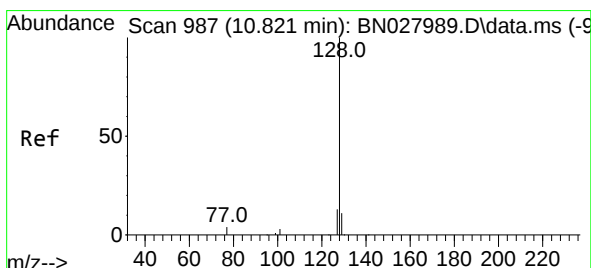
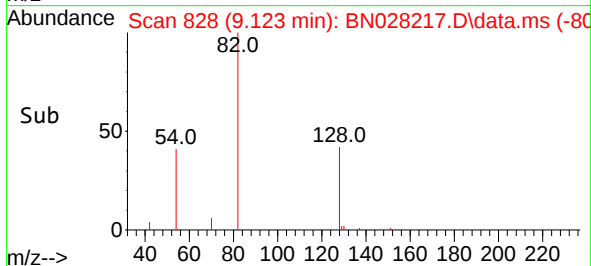
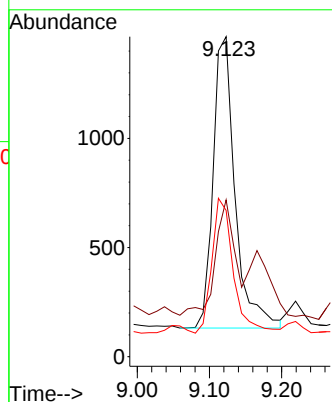
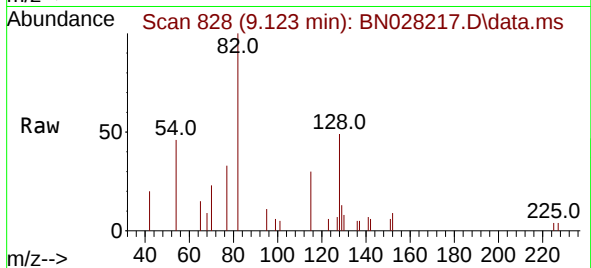
#8
Nitrobenzene-d5
Concen: 0.295 ng
RT: 9.123 min Scan# 81
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)

Tgt Ion: 82 Resp: 282
Ion Ratio Lower Upper
82 100
128 49.0 32.7 49.1
54 45.7 38.7 58.1

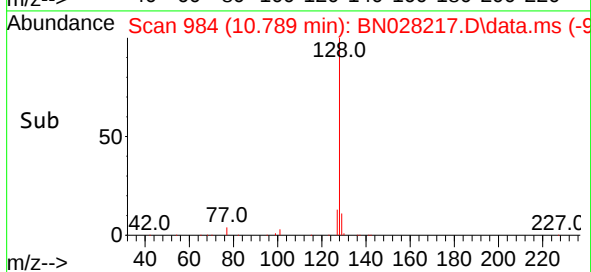
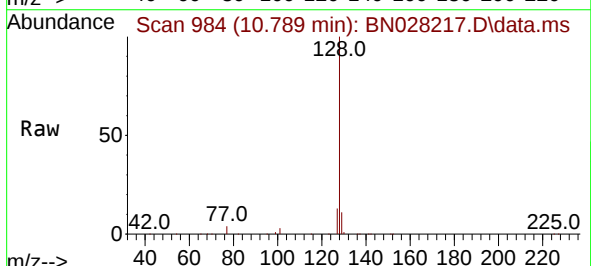
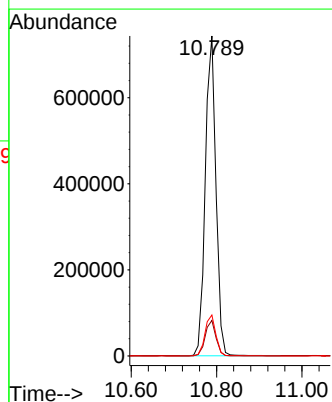
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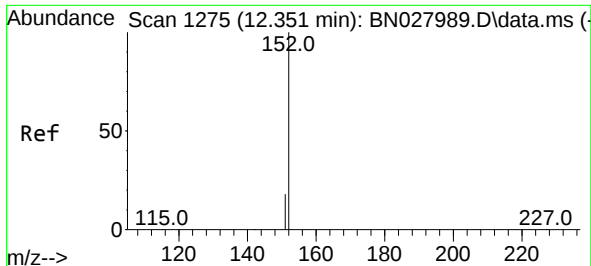
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 44.175 ng
RT: 10.789 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

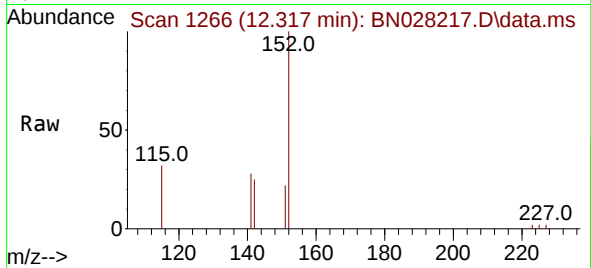
Tgt Ion:128 Resp: 1282817
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.8 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.256 ng
RT: 12.317 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

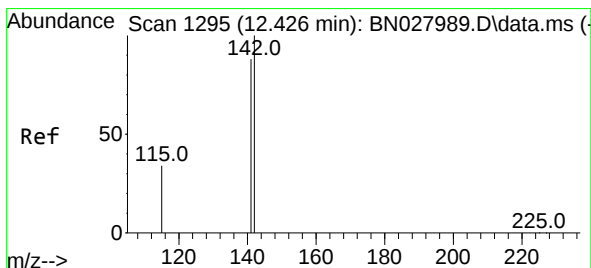
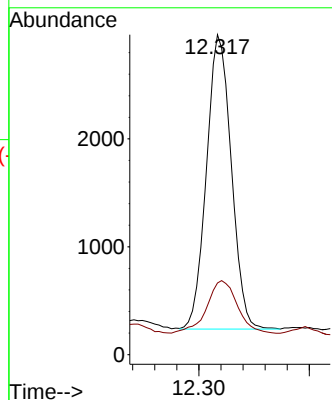
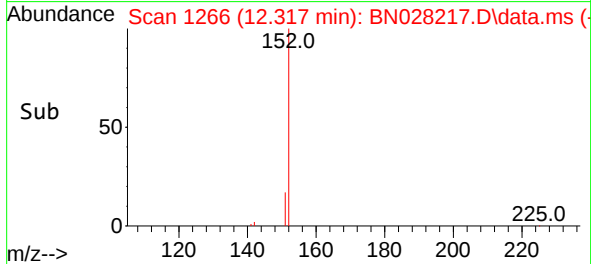
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)



Tgt Ion:152 Resp: 4250
Ion Ratio Lower Upper
152 100
151 23.9 16.5 24.7

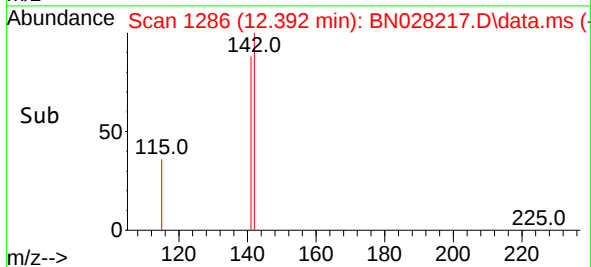
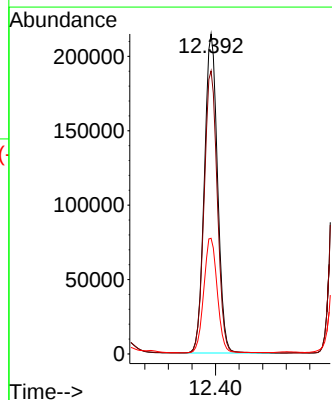
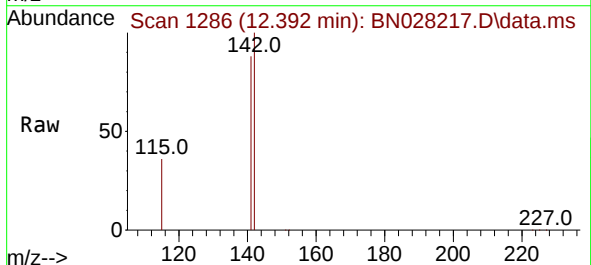
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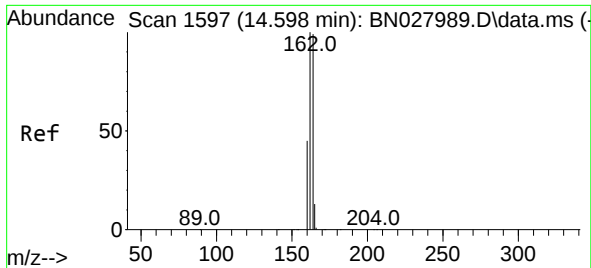
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#12
2-Methylnaphthalene
Concen: 16.299 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

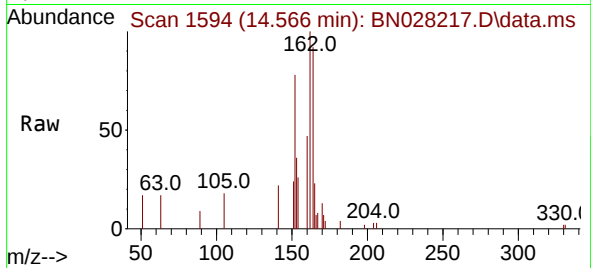
Tgt Ion:142 Resp: 331101
Ion Ratio Lower Upper
142 100
141 88.5 70.7 106.1
115 36.1 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

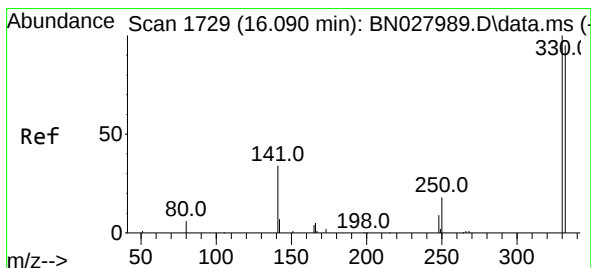
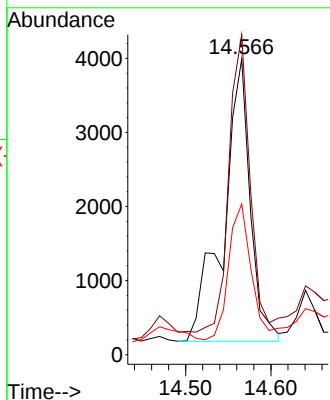
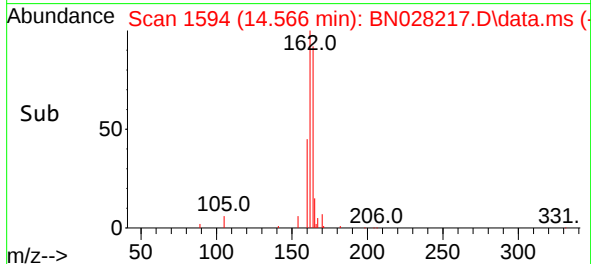
Instrument :
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SB-104-1(5-10)



Tgt Ion:164 Resp: 830
Ion Ratio Lower Upper
164 100
162 108.2 80.8 121.2
160 51.0 36.4 54.6

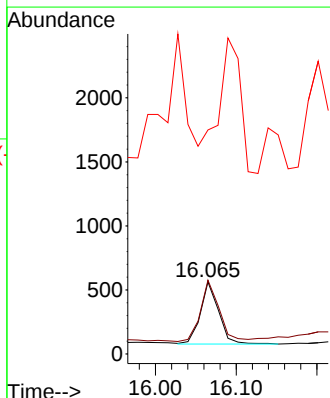
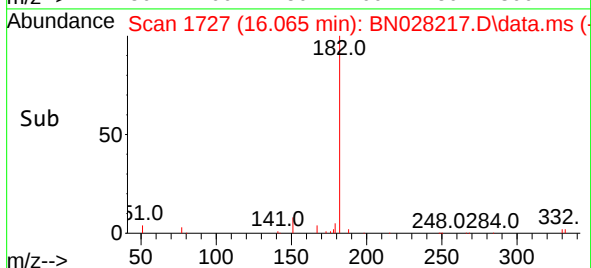
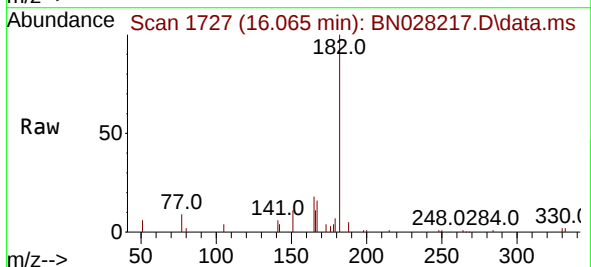
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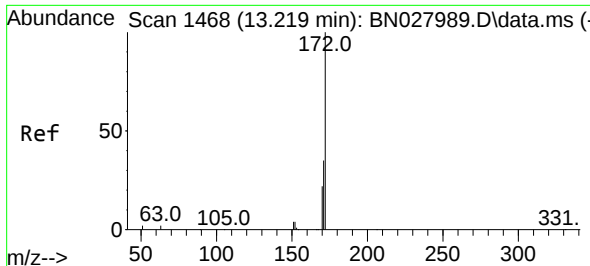
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#14
2,4,6-Tribromophenol
Concen: 0.199 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

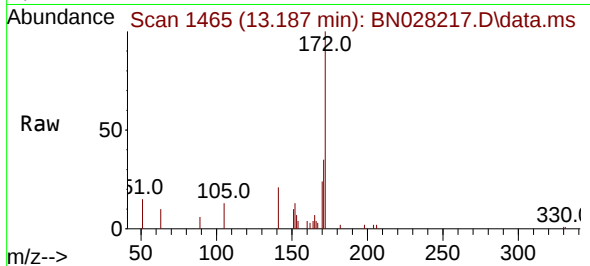
Tgt Ion:330 Resp: 755
Ion Ratio Lower Upper
330 100
332 101.1 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.203 ng
RT: 13.187 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

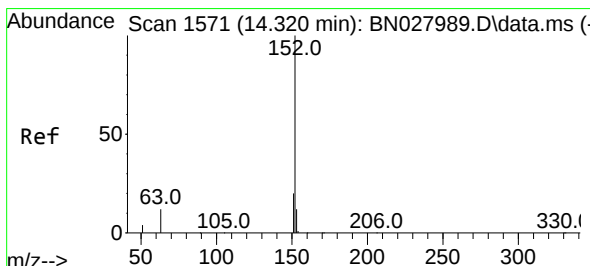
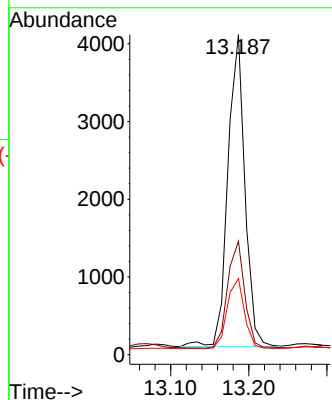
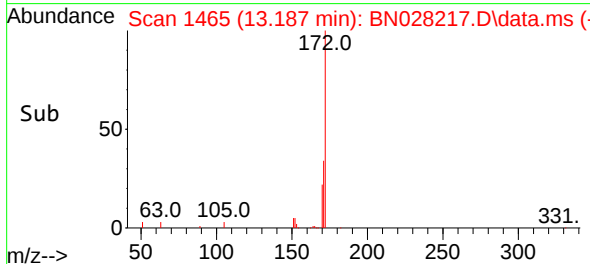
Instrument :
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SB-104-1(5-10)



Tgt Ion:172 Resp: 608
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.8 18.4 27.6

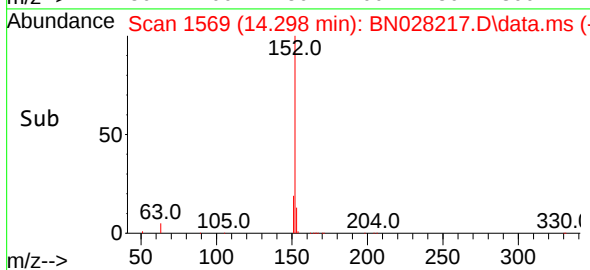
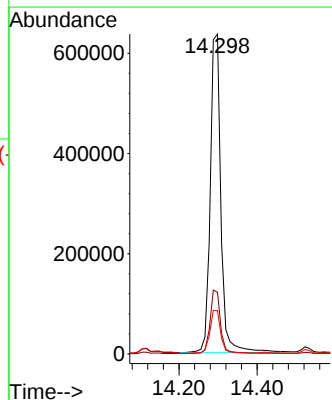
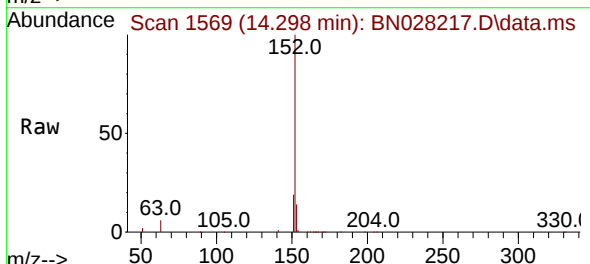
Manual Integrations
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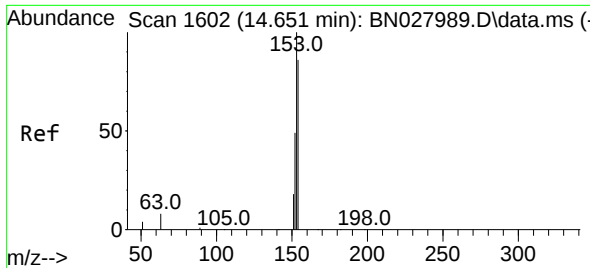
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 32.899 ng
RT: 14.298 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

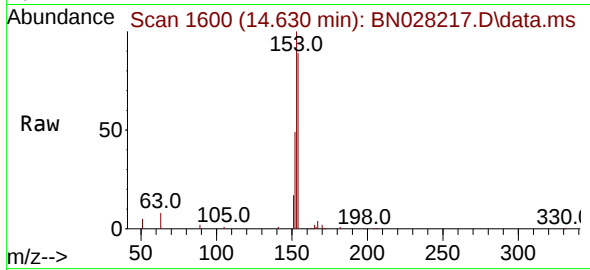
Tgt Ion:152 Resp: 1209951
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.7 10.2 15.4





#17
Acenaphthene
Concen: 8.243 ng
RT: 14.630 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

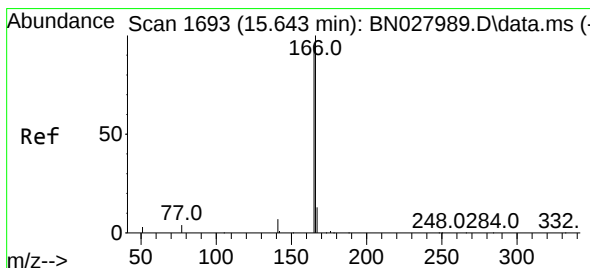
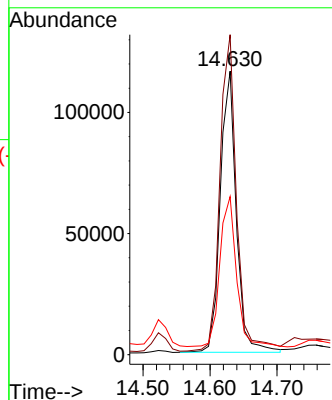
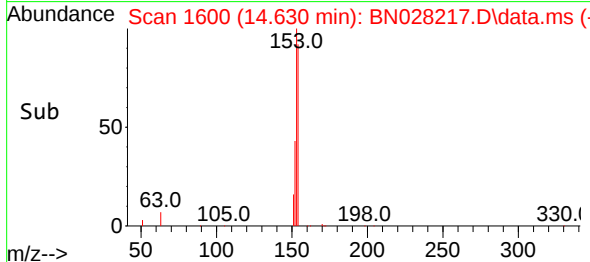
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)



Tgt Ion:154 Resp: 19324
Ion Ratio Lower Upper
154 100
153 115.7 90.8 136.2
152 55.6 43.9 65.9

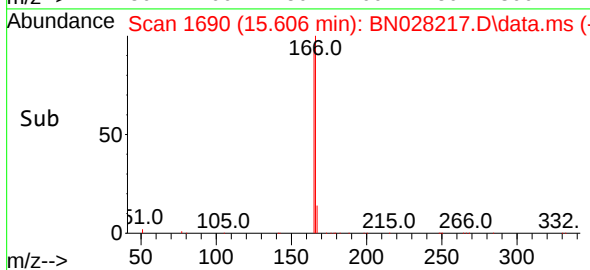
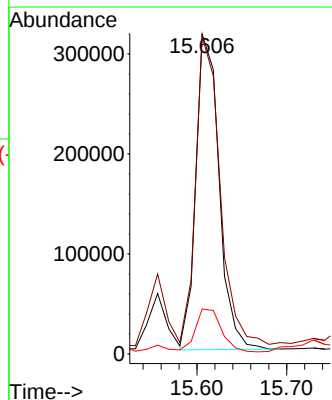
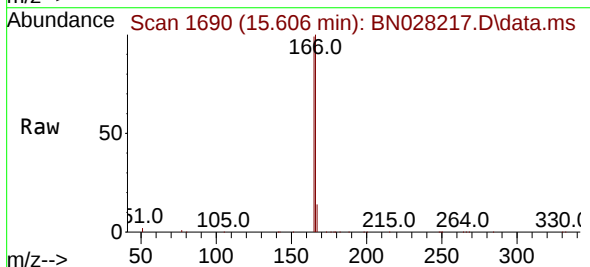
Manual Integrations
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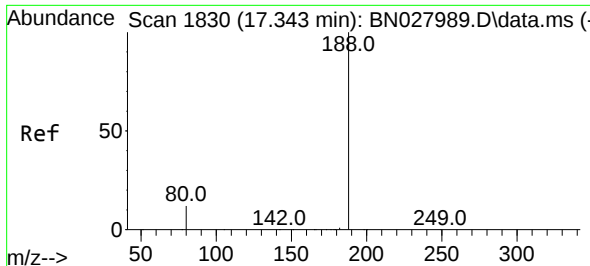
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#18
Fluorene
Concen: 18.641 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Tgt Ion:166 Resp: 567601
Ion Ratio Lower Upper
166 100
165 100.3 77.8 116.8
167 15.0 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: BN028217.D

Acq: 11 Oct 2023 04:10

Instrument :

BNA_N

ClientSampleId :

SB-104-1(5-10)

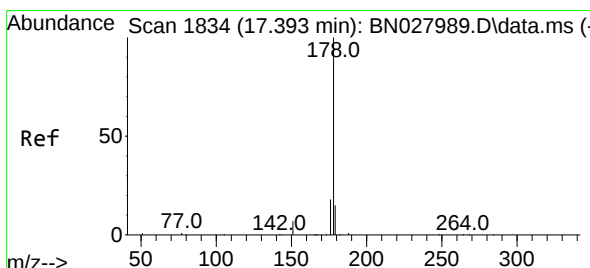
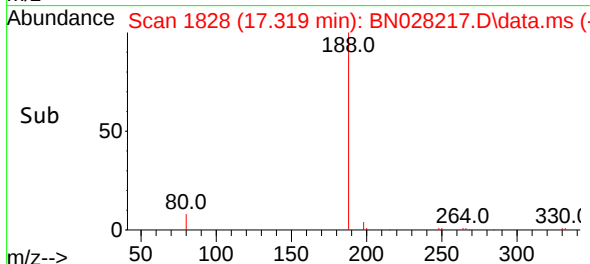
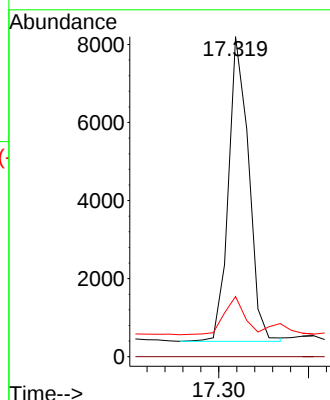
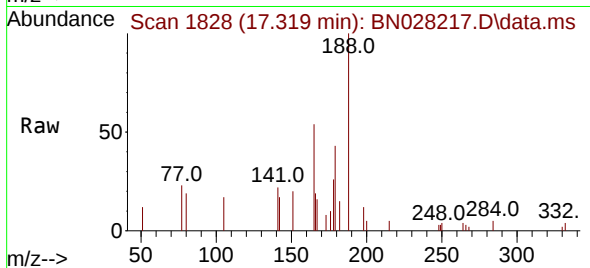
Tgt Ion:188	Resp:	12178
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	18.8	10.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/12/2023



#25

Phenanthrene

Concen: 111.362 ng

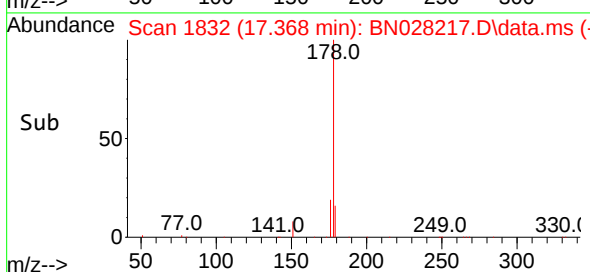
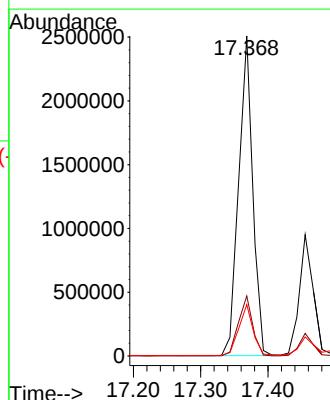
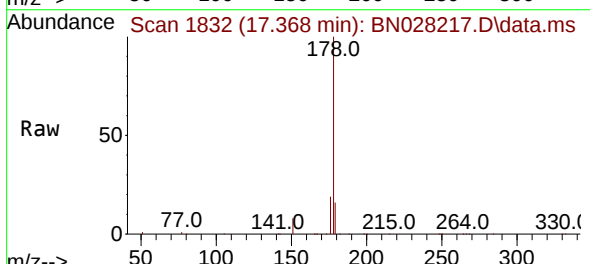
RT: 17.368 min Scan# 1832

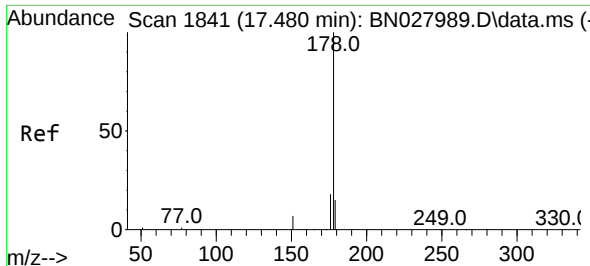
Delta R.T. 0.000 min

Lab File: BN028217.D

Acq: 11 Oct 2023 04:10

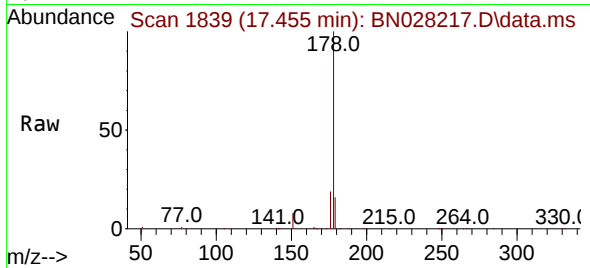
Tgt Ion:178	Resp:	3656192
Ion Ratio	Lower	Upper
178	100	
176	18.8	15.3
179	16.0	12.4





#26
 Anthracene
 Concen: 45.186 ng
 RT: 17.455 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN028217.D
 Acq: 11 Oct 2023 04:10

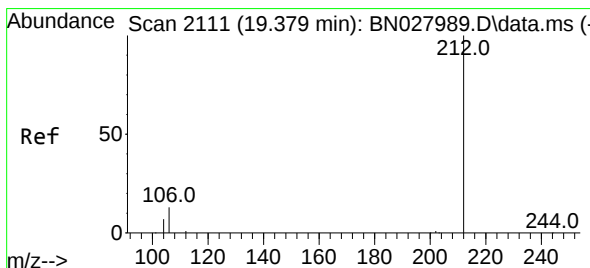
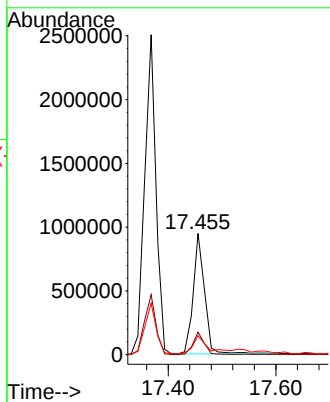
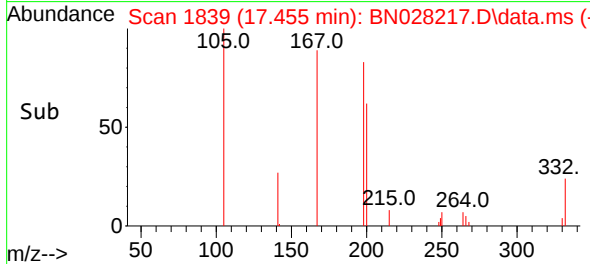
Instrument :
 BNA_N
 ClientSampleId :
 SB-104-1(5-10)



Tgt Ion:178 Resp: 140223
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.7 22.1
 179 19.1 12.2 18.2

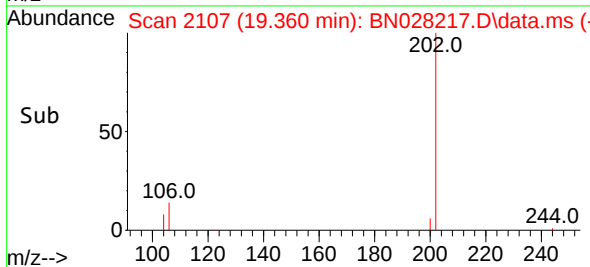
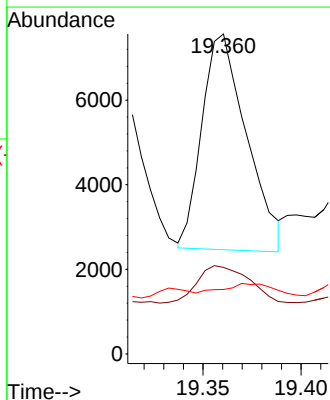
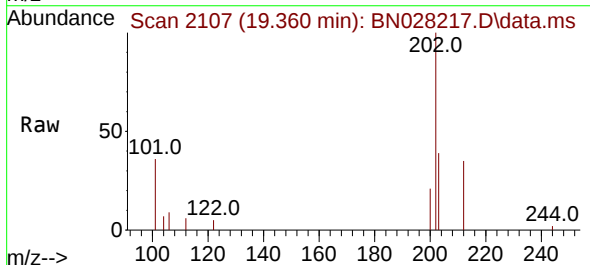
Manual Integrations
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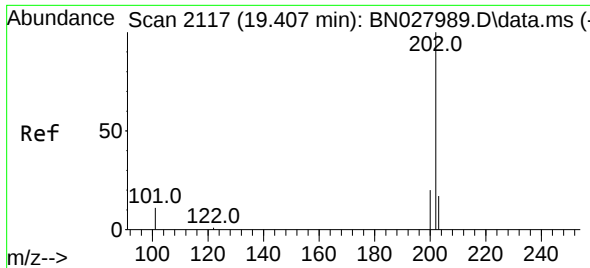
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.264 ng
 RT: 19.360 min Scan# 2107
 Delta R.T. 0.005 min
 Lab File: BN028217.D
 Acq: 11 Oct 2023 04:10

Tgt Ion:212 Resp: 8067
 Ion Ratio Lower Upper
 212 100
 106 20.0 11.3 16.9#
 104 5.8 6.4 9.6#





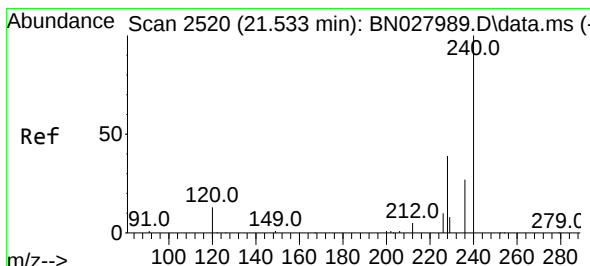
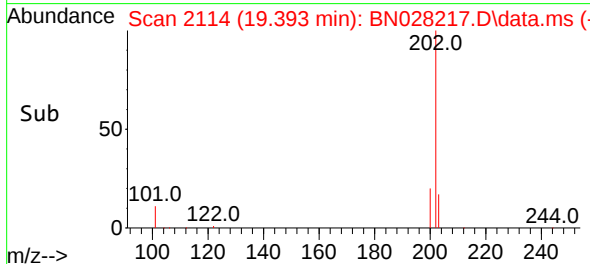
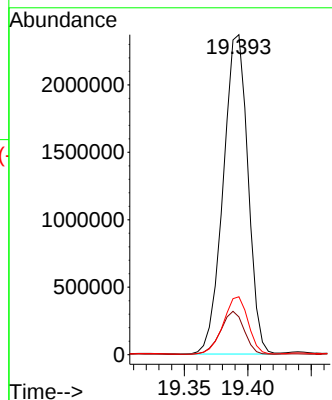
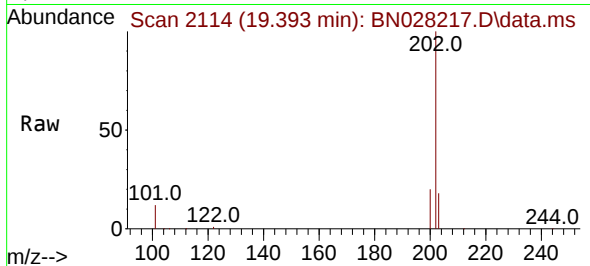
#28
Fluoranthene
Concen: 84.521 ng
RT: 19.393 min Scan# 2114
Delta R.T. 0.009 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)

Tgt Ion:202 Resp: 3202510
Ion Ratio Lower Upper
202 100
101 13.0 9.8 14.6
203 17.9 13.8 20.8

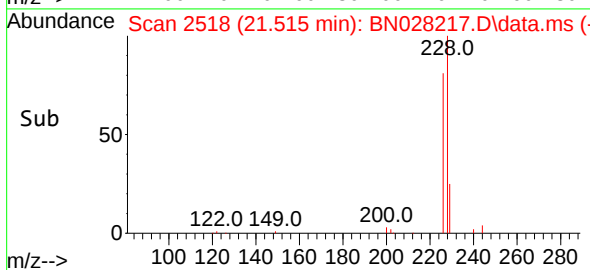
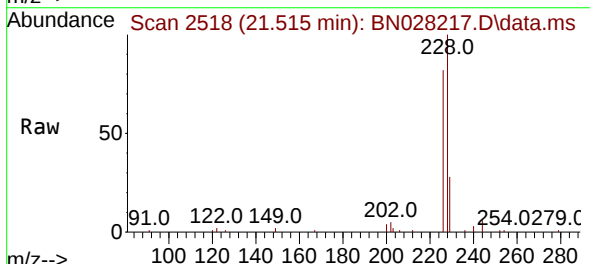
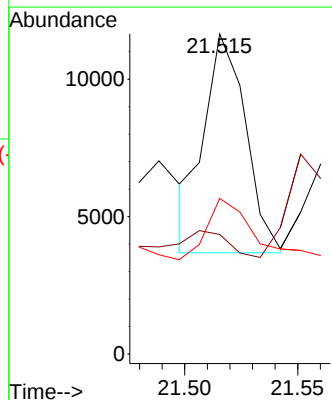
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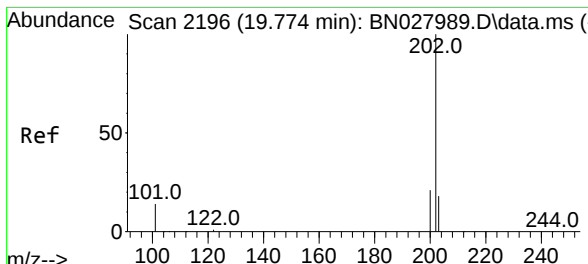
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.515 min Scan# 2518
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

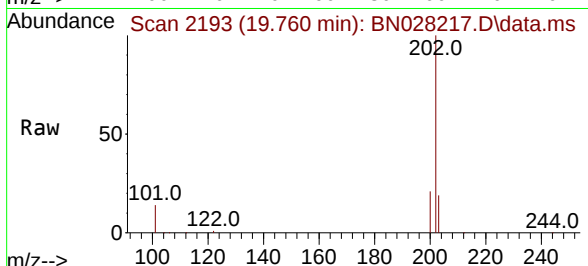
Tgt Ion:240 Resp: 10141
Ion Ratio Lower Upper
240 100
120 37.4 13.8 20.6#
236 48.6 22.6 33.8#





#30
Pyrene
Concen: 105.101 ng
RT: 19.760 min Scan# 2193
Delta R.T. 0.009 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

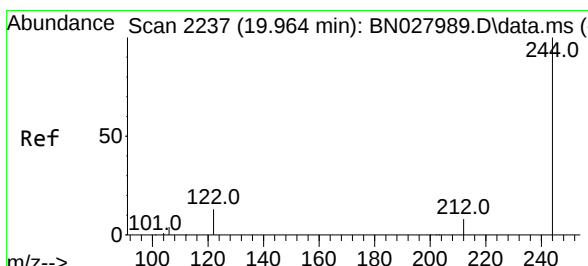
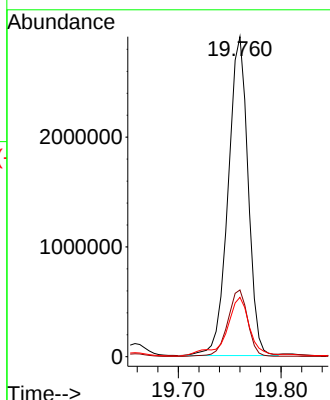
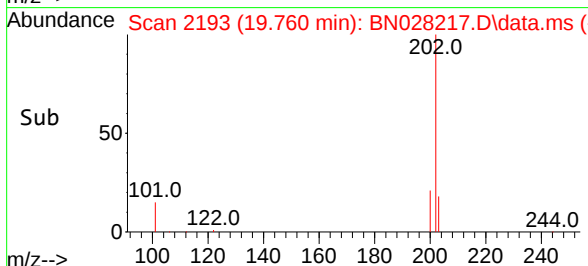
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)



Tgt Ion:202 Resp: 3908308
Ion Ratio Lower Upper
202 100
200 21.1 16.5 24.7
203 21.2 14.7 22.1

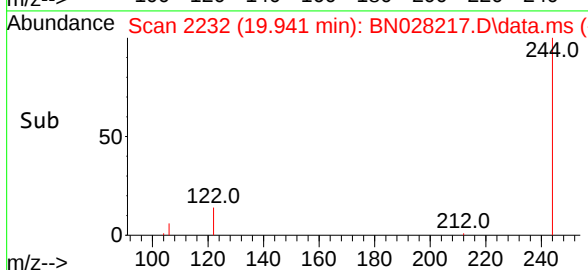
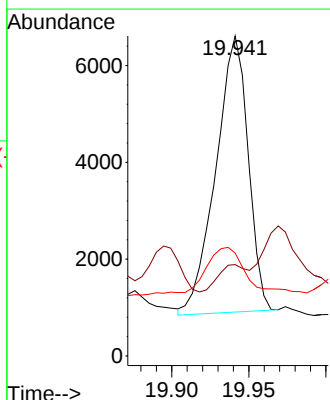
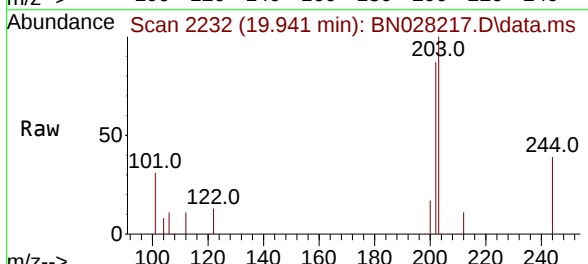
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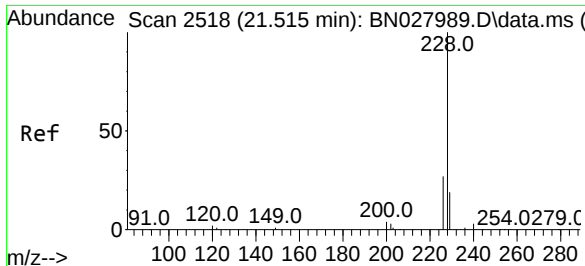
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.352 ng
RT: 19.941 min Scan# 2232
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

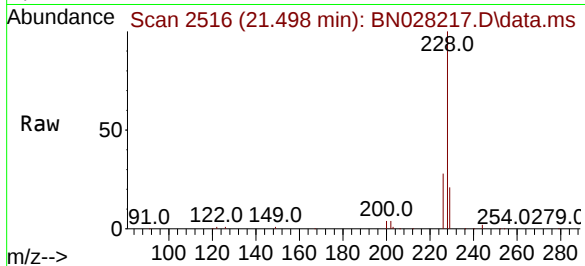
Tgt Ion:244 Resp: 8330
Ion Ratio Lower Upper
244 100
212 28.6 6.6 9.8#
122 32.2 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 60.880 ng
RT: 21.498 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

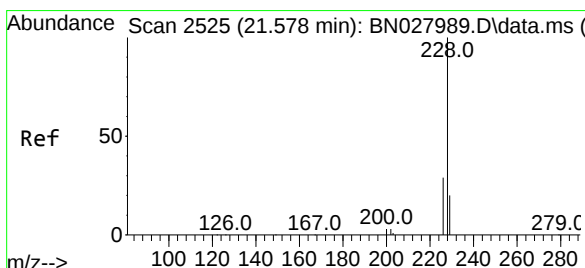
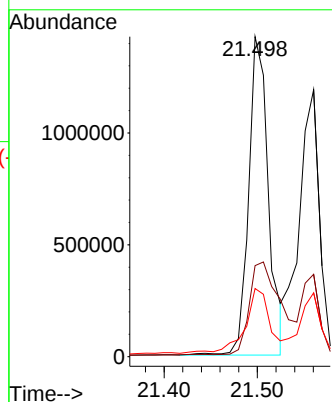
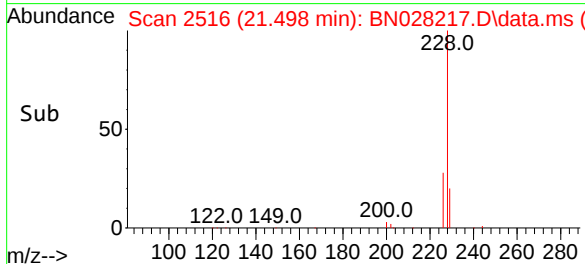
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)



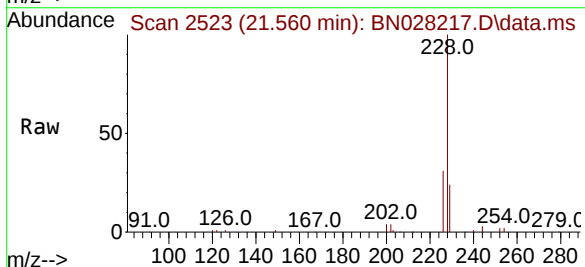
Tgt Ion:228 Resp: 2100838
Ion Ratio Lower Upper
228 100
226 28.5 22.0 33.0
229 21.3 16.0 24.0

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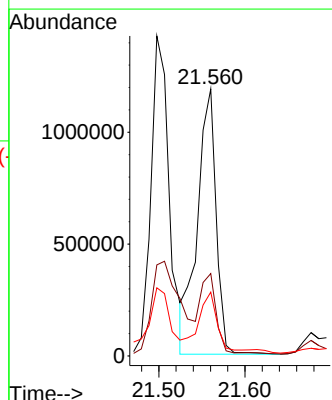
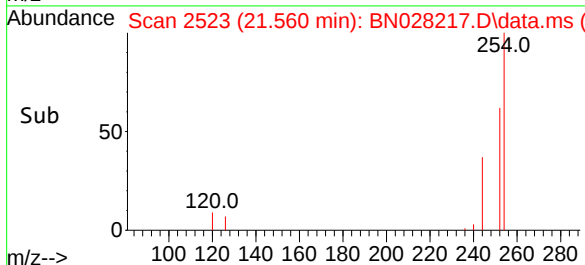
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

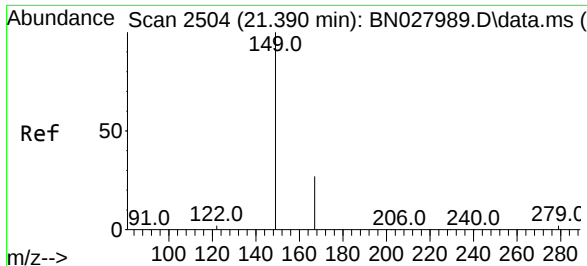


#33
Chrysene
Concen: 54.396 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10



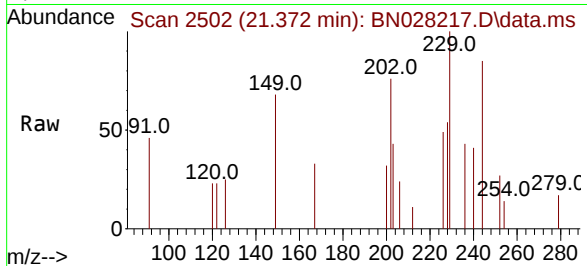
Tgt Ion:228 Resp: 1808954
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.8
229 23.9 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.204 ng
RT: 21.372 min Scan# 21372
Delta R.T. 0.009 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

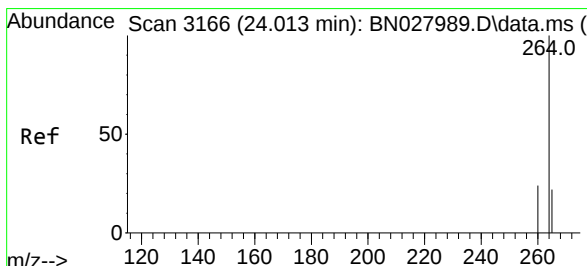
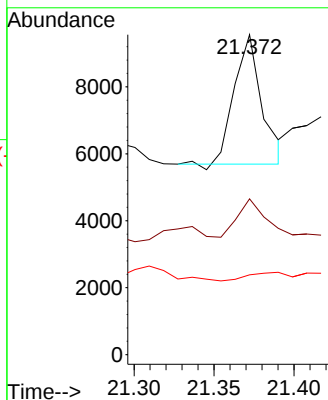
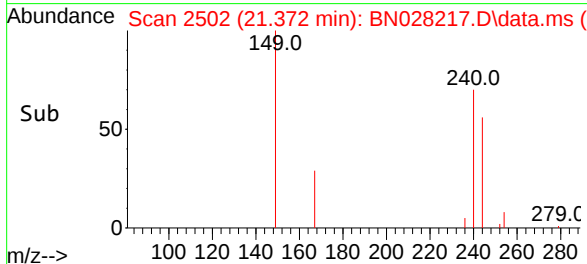
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)



Tgt Ion:149 Resp: 4632
Ion Ratio Lower Upper
149 100
167 36.0 22.1 33.1#
279 9.8 3.4 5.0#

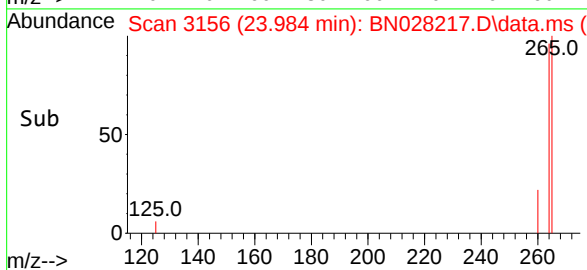
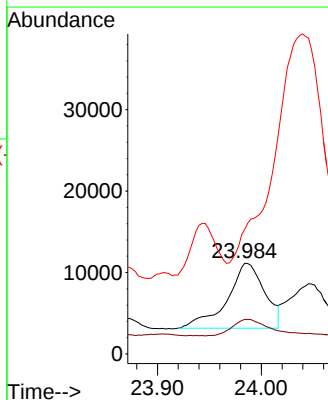
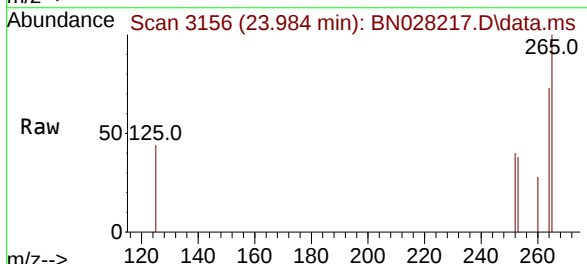
Manual Integrations
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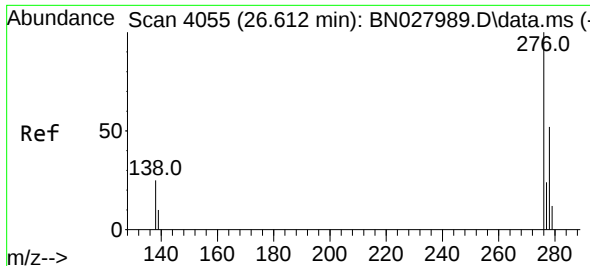
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.984 min Scan# 3156
Delta R.T. 0.009 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

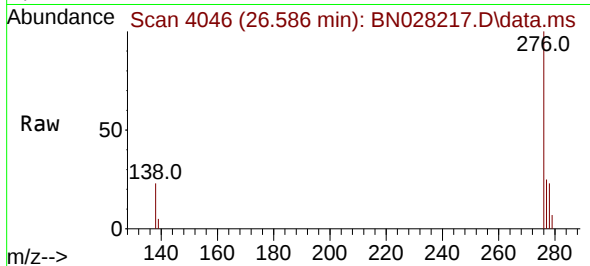
Tgt Ion:264 Resp: 20057
Ion Ratio Lower Upper
264 100
260 38.1 20.2 30.4#
265 137.3 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 16.206 ng
RT: 26.586 min Scan# 4055
Delta R.T. 0.029 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

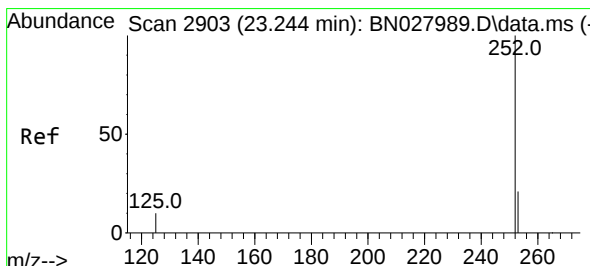
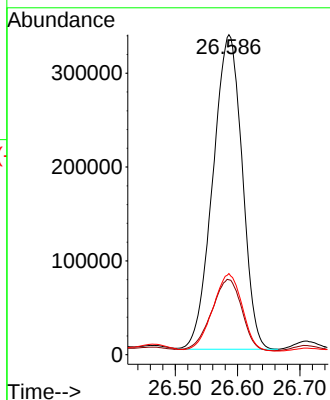
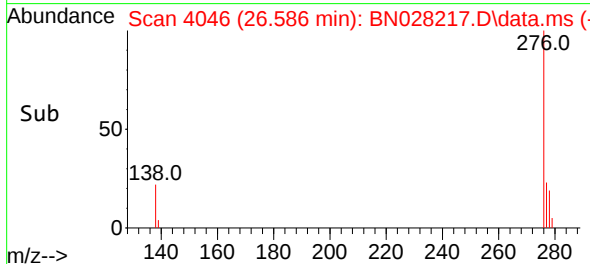
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)



Tgt Ion:276 Resp: 1093310
Ion Ratio Lower Upper
276 100
138 23.5 20.9 31.3
277 24.8 19.8 29.6

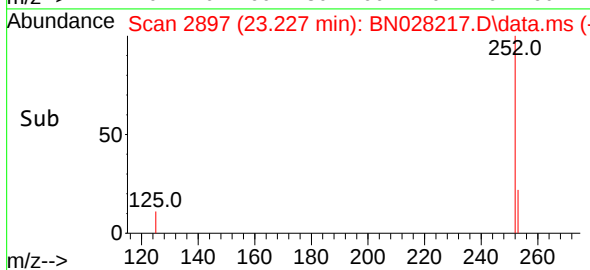
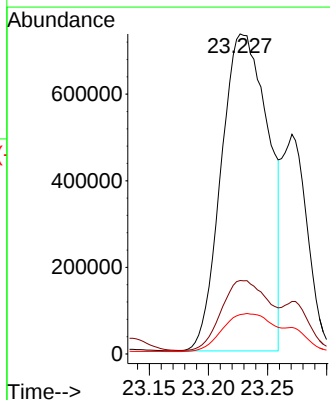
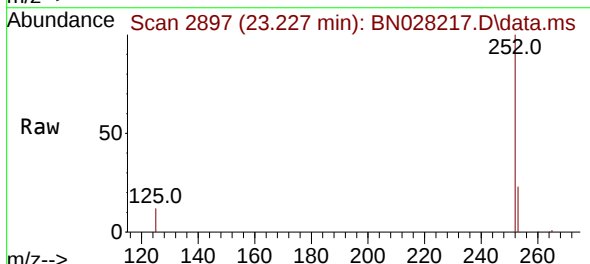
Manual Integrations
APPROVED

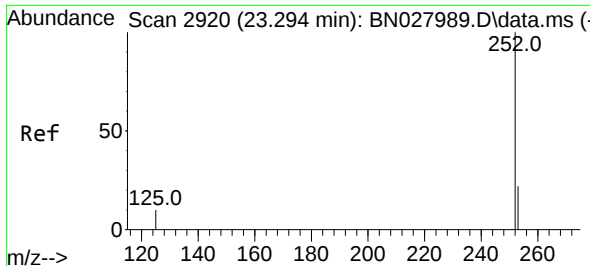
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#37
Benzo(b)fluoranthene
Concen: 31.268 ng
RT: 23.227 min Scan# 2897
Delta R.T. 0.015 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

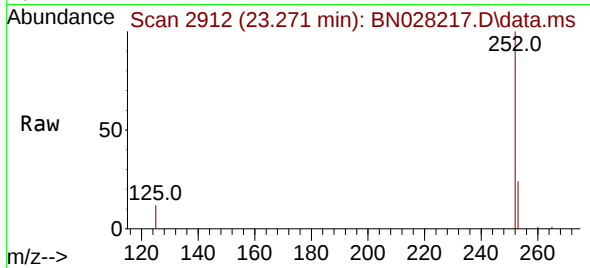
Tgt Ion:252 Resp: 2025432
Ion Ratio Lower Upper
252 100
253 22.9 22.9 34.3
125 12.3 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 11.289 ng m
RT: 23.271 min Scan# 2912
Delta R.T. 0.009 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

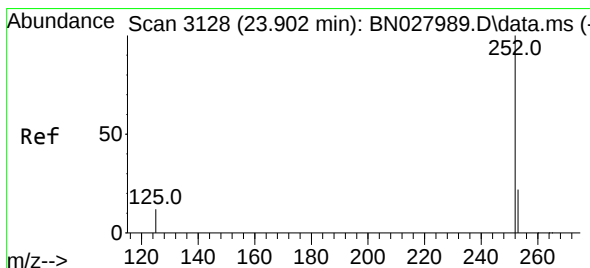
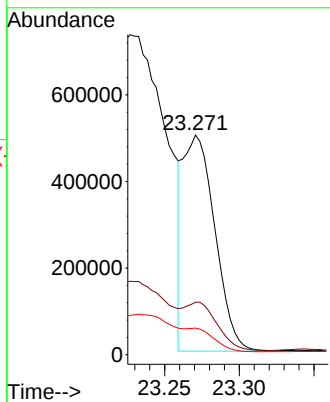
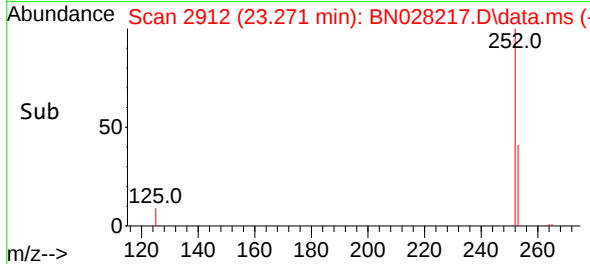
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)



Tgt Ion:252 Resp: 741711
Ion Ratio Lower Upper
252 100
253 23.9 23.1 34.7
125 12.1 13.8 20.8

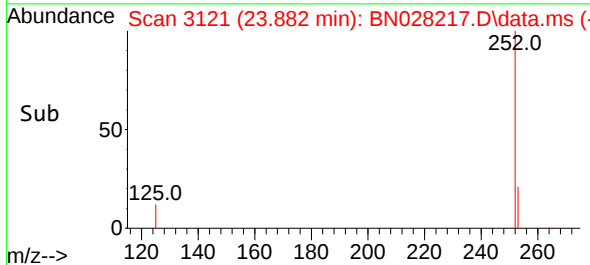
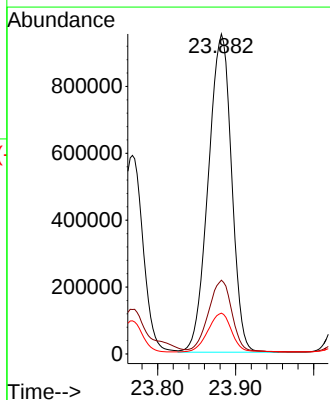
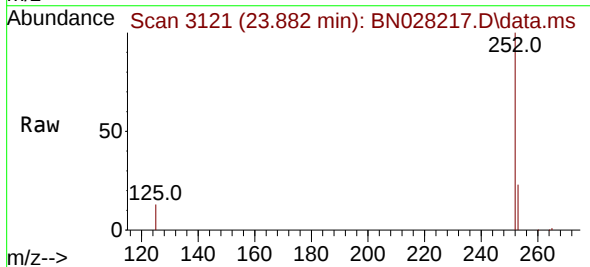
Manual Integrations
APPROVED

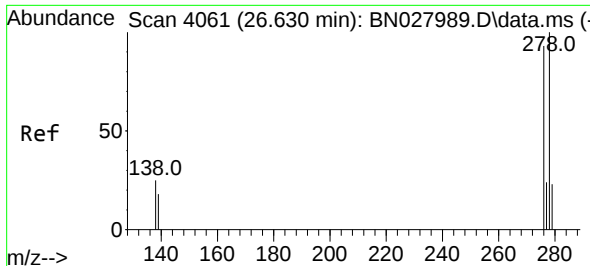
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#39
Benzo(a)pyrene
Concen: 32.237 ng m
RT: 23.882 min Scan# 3121
Delta R.T. 0.018 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

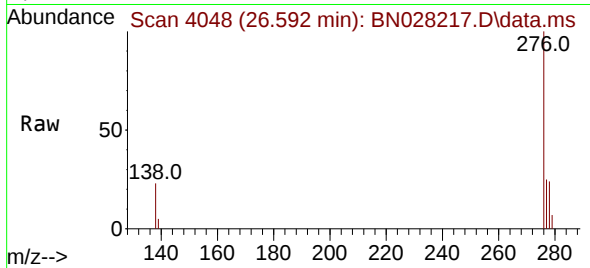
Tgt Ion:252 Resp: 1974539
Ion Ratio Lower Upper
252 100
253 23.1 25.0 37.4#
125 12.8 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 5.937 ng
RT: 26.592 min Scan# 4061
Delta R.T. 0.015 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

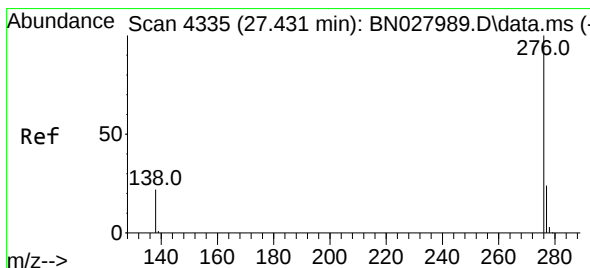
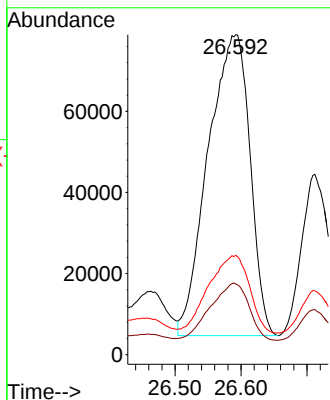
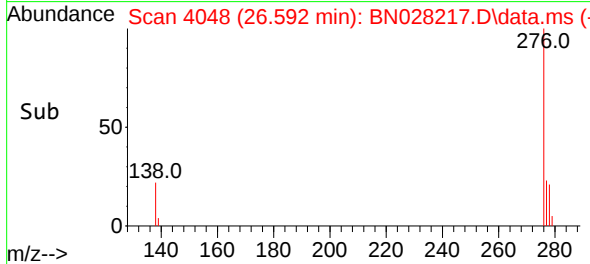
Instrument :
BNA_N
ClientSampleId :
SB-104-1(5-10)



Tgt Ion:278 Resp: 32768
Ion Ratio Lower Upper
278 100
139 22.1 17.7 26.5
279 31.1 25.2 37.8

Manual Integrations
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#41
Benzo(g,h,i)perylene
Concen: 19.843 ng
RT: 27.405 min Scan# 4326
Delta R.T. 0.038 min
Lab File: BN028217.D
Acq: 11 Oct 2023 04:10

Tgt Ion:276 Resp: 1124062
Ion Ratio Lower Upper
276 100
277 24.8 22.1 33.1
138 23.9 20.8 31.2

