

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029120.D
 Acq On : 08 Dec 2023 09:54
 Operator : MA/JU
 Sample : 05611-05
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PE-5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023

Quant Time: Dec 08 10:35:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 00:49:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	1493	0.400	ng	0.04
7) Naphthalene-d8	10.605	136	3090	0.400	ng	0.04
13) Acenaphthene-d10	14.439	164	1936	0.400	ng	0.04
19) Phenanthrene-d10	17.184	188	4152	0.400	ng	# 0.04
29) Chrysene-d12	21.383	240	2433	0.400	ng	# 0.04
35) Perylene-d12	23.728	264	2184	0.400	ng	# 0.06
System Monitoring Compounds						
4) 2-Fluorophenol	5.420	112	609	0.180	ng	0.03
5) Phenol-d6	7.024	99	679	0.168	ng	0.04
8) Nitrobenzene-d5	8.993	82	646	0.173	ng	0.05
11) 2-Methylnaphthalene-d10	12.189	152	984	0.152	ng	0.04
14) 2,4,6-Tribromophenol	15.930	330	282	0.132	ng	0.04
15) 2-Fluorobiphenyl	13.070	172	2032	0.203	ng	0.04
27) Fluoranthene-d10	19.218	212	1976	0.151	ng	0.03
31) Terphenyl-d14	19.826	244	1491	0.242	ng	0.03
Target Compounds						Qvalue
9) Naphthalene	10.648	128	749	0.078	ng	# 85
12) 2-Methylnaphthalene	12.261	142	403	0.051	ng	95
16) Acenaphthylene	14.161	152	756	0.071	ng	99
17) Acenaphthene	14.503	154	3380	0.506	ng	98
18) Fluorene	15.487	166	4029	0.378	ng	99
25) Phenanthrene	17.221	178	80735	5.825	ng	99
26) Anthracene	17.320	178	22655	1.691	ng	96
28) Fluoranthene	19.250	202	193905	10.177	ng	# 99
30) Pyrene	19.613	202	152225	10.093	ng	# 95
32) Benzo(a)anthracene	21.365	228	68824	5.577	ng	100
33) Chrysene	21.418	228	50798	4.184	ng	99
34) Bis(2-ethylhexyl)phtha...	21.311	149	4125	0.542	ng	95
36) Indeno(1,2,3-cd)pyrene	26.149	276	27123	2.435	ng	99
37) Benzo(b)fluoranthene	23.020	252	62457	5.327	ng	92
38) Benzo(k)fluoranthene	23.061	252	24081m	2.190	ng	
39) Benzo(a)pyrene	23.626	252	42498m	4.380	ng	
40) Dibenzo(a,h)anthracene	26.169	278	6976	0.812	ng	92
41) Benzo(g,h,i)perylene	26.897	276	23923	2.546	ng	98

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

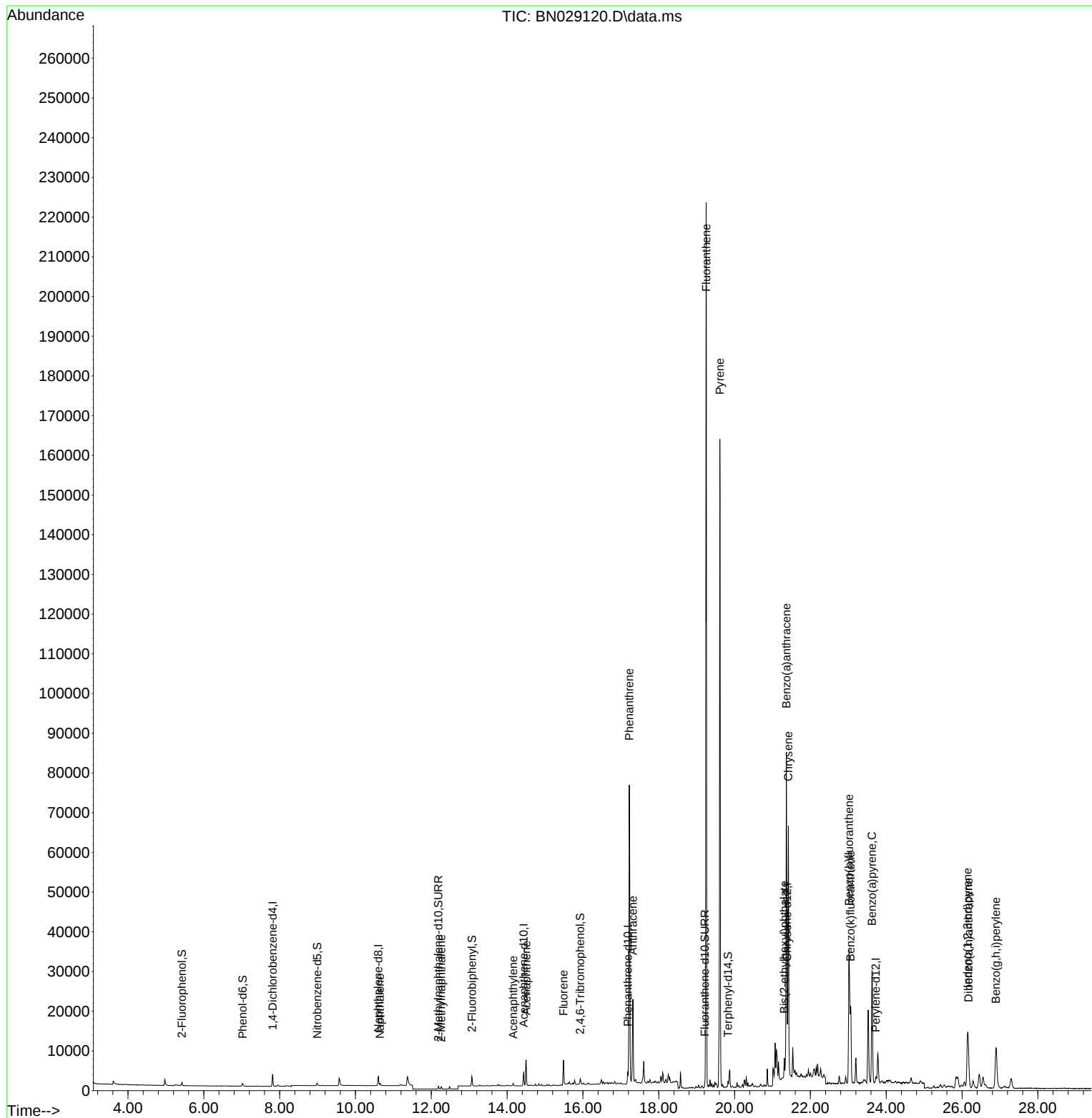
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
Data File : BN029120.D
Acq On : 08 Dec 2023 09:54
Operator : MA/JU
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ALS Vial : 28 Sample Multiplier: 1

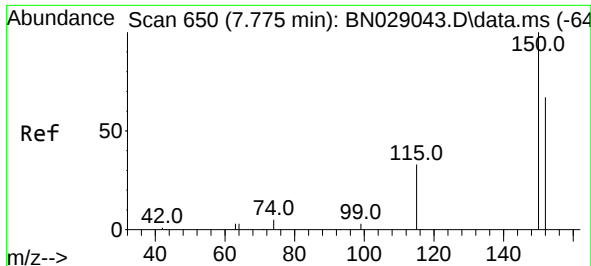
Instrument :
BNA_N
ClientSampleId :
PE-5

Quant Time: Dec 08 10:35:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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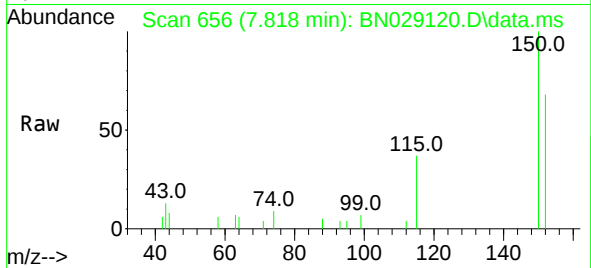
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 61
Delta R.T. 0.043 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

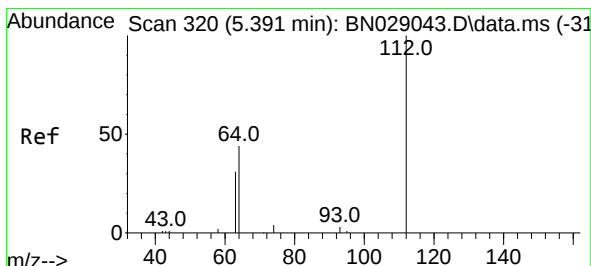
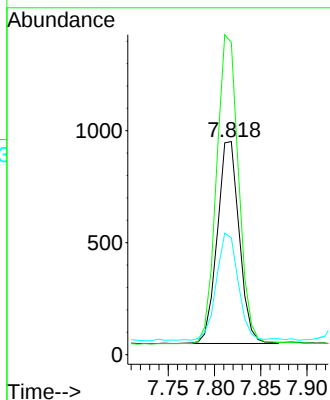
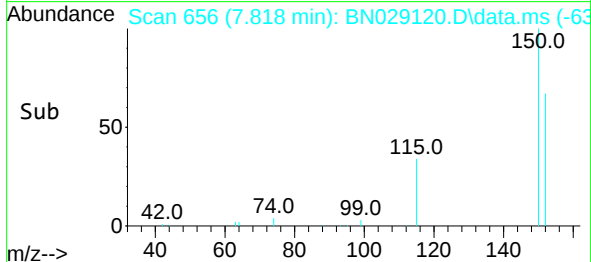
Instrument :
BNA_N
ClientSampleId :
PE-5



Tgt Ion:152 Resp: 149
Ion Ratio Lower Upper
152 100
150 146.4 116.2 174.4
115 54.8 45.1 67.7

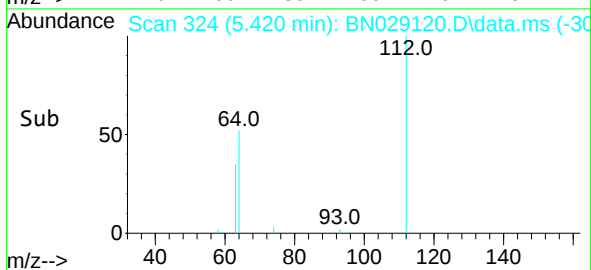
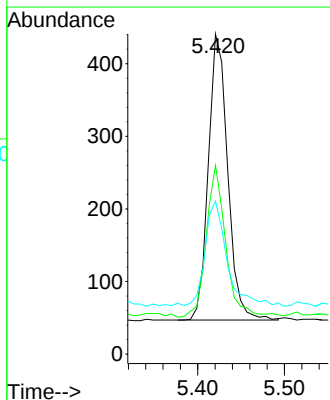
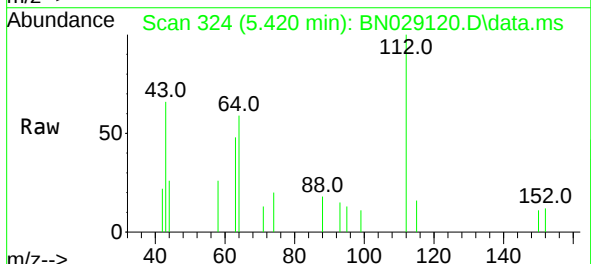
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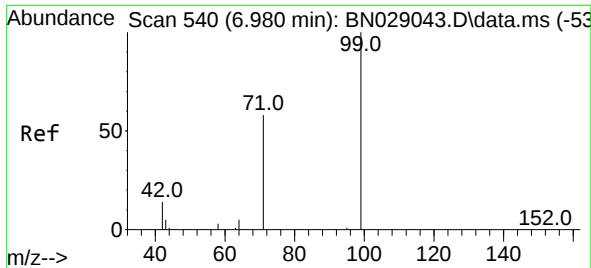
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#4
2-Fluorophenol
Concen: 0.180 ng
RT: 5.420 min Scan# 324
Delta R.T. 0.029 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

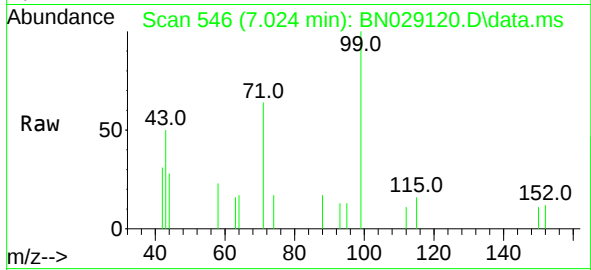
Tgt Ion:112 Resp: 609
Ion Ratio Lower Upper
112 100
64 53.7 37.0 55.6
63 42.0 29.0 43.6





#5
Phenol-d6
Concen: 0.168 ng
RT: 7.024 min Scan# 540
Delta R.T. 0.043 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

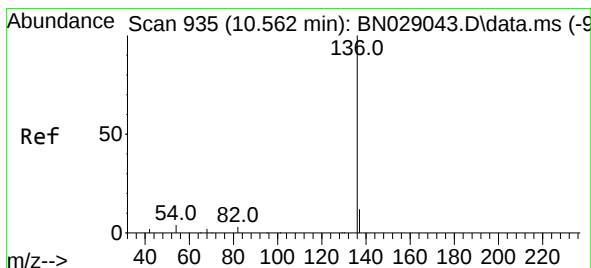
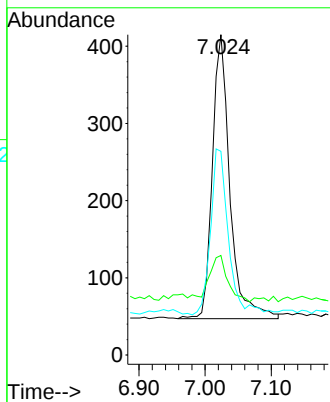
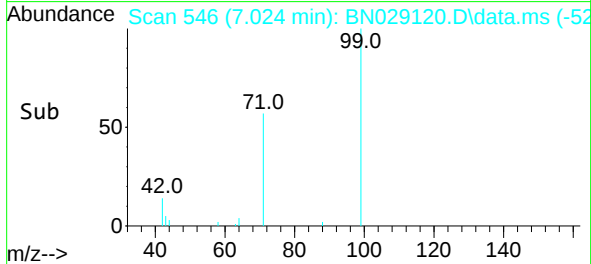
Instrument :
BNA_N
ClientSampleId :
PE-5



Tgt Ion: 99 Resp: 679
Ion Ratio Lower Upper
99 100
42 16.8 13.4 20.2
71 59.8 47.8 71.6

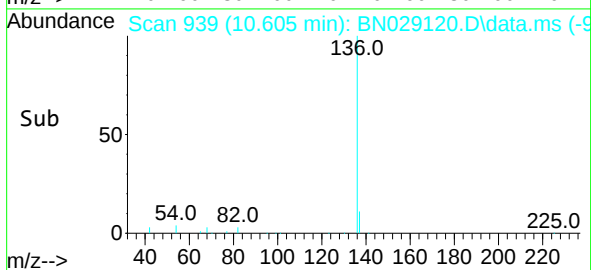
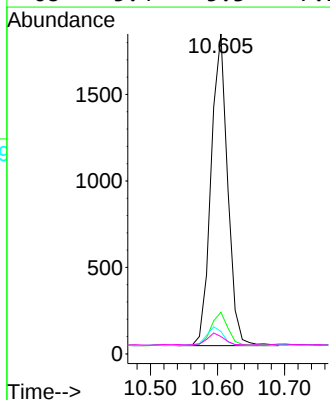
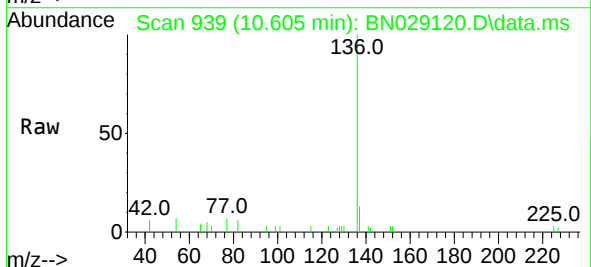
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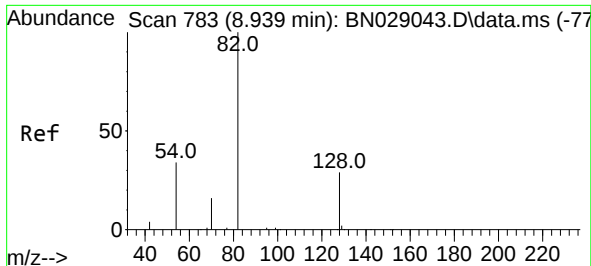
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.605 min Scan# 939
Delta R.T. 0.043 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

Tgt Ion:136 Resp: 3090
Ion Ratio Lower Upper
136 100
137 13.0 11.9 17.9
54 7.0 6.4 9.6
68 5.4 5.3 7.9





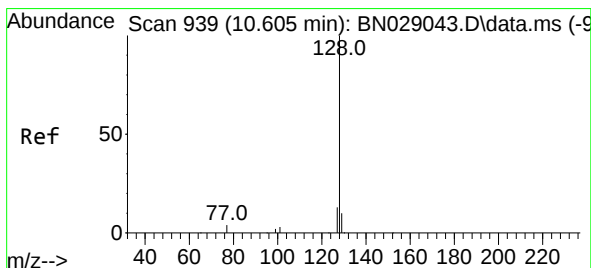
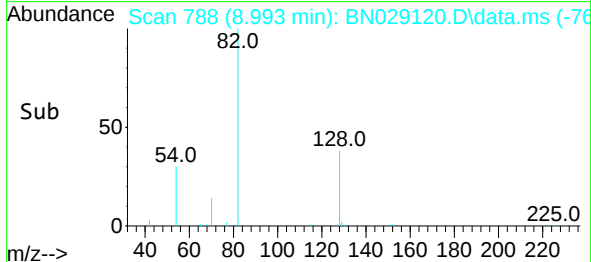
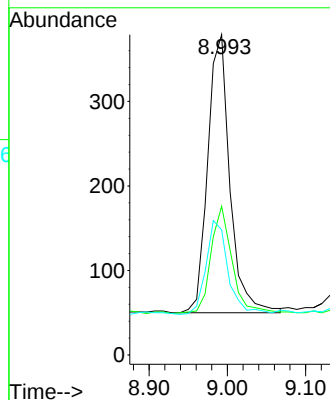
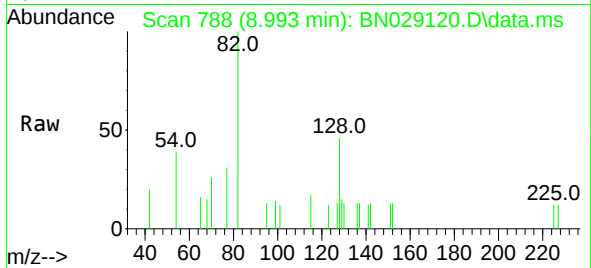
#8
Nitrobenzene-d5
Concen: 0.173 ng
RT: 8.993 min Scan# 783
Delta R.T. 0.053 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

Instrument :
BNA_N
ClientSampleId :
PE-5

Tgt Ion: 82 Resp: 640
Ion Ratio Lower Upper
82 100
128 46.4 28.2 42.4#
54 39.1 32.1 48.1#

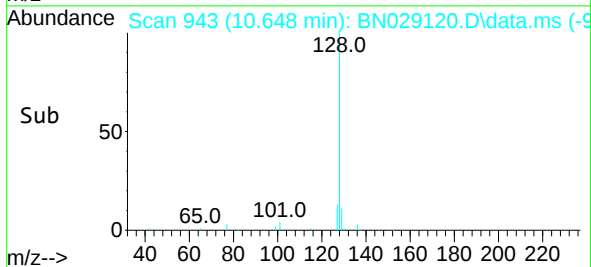
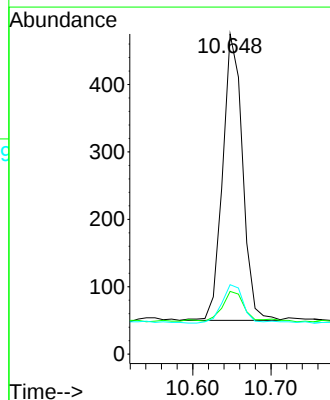
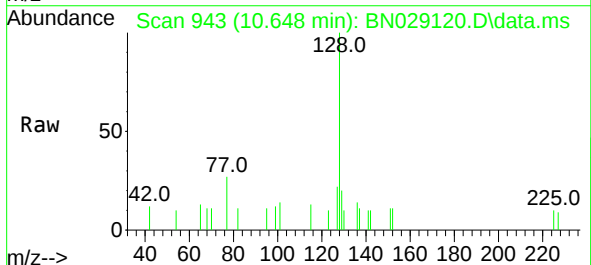
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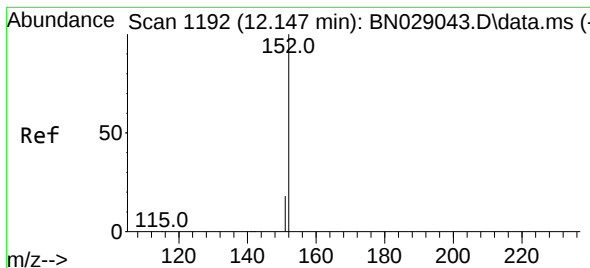
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#9
Naphthalene
Concen: 0.078 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.043 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

Tgt Ion:128 Resp: 749
Ion Ratio Lower Upper
128 100
129 19.6 10.5 15.7#
127 21.7 12.5 18.7#





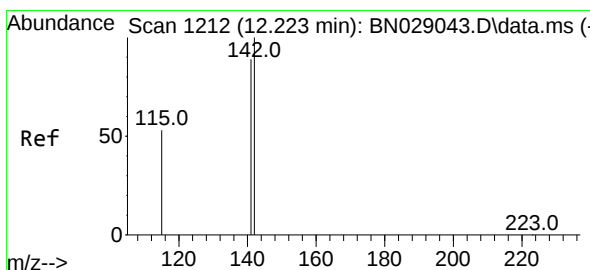
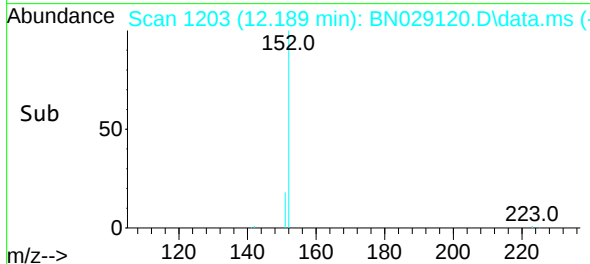
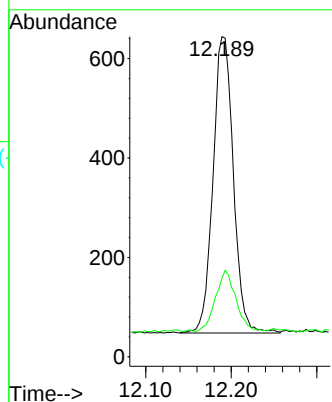
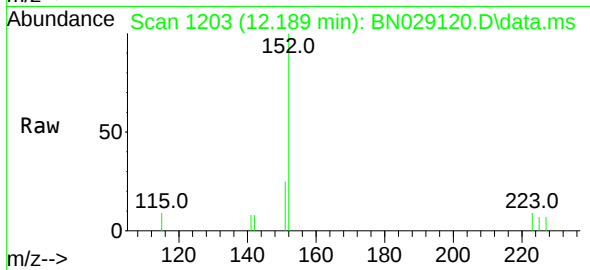
#11
2-Methylnaphthalene-d10
Concen: 0.152 ng
RT: 12.189 min Scan# 1192
Delta R.T. 0.042 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

Instrument :
BNA_N
ClientSampleId :
PE-5

Tgt Ion:152 Resp: 984
Ion Ratio Lower Upper
152 100
151 20.9 17.4 26.0

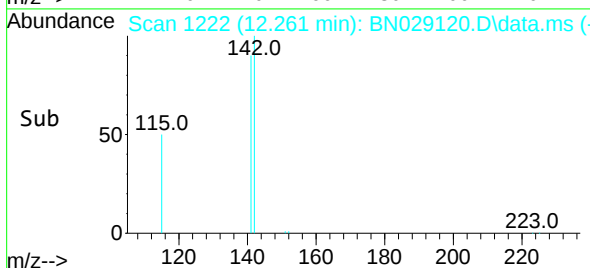
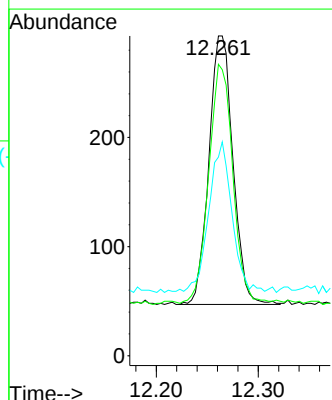
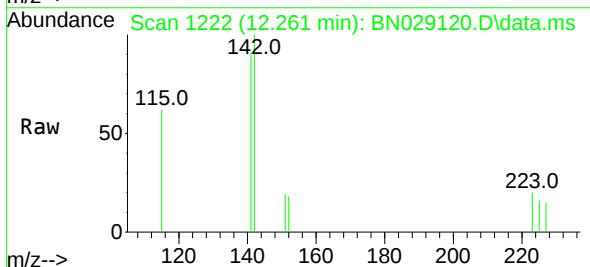
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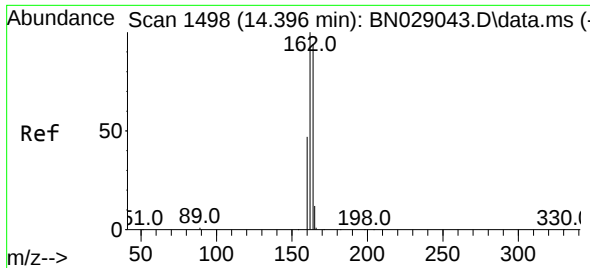
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#12
2-Methylnaphthalene
Concen: 0.051 ng
RT: 12.261 min Scan# 1222
Delta R.T. 0.038 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

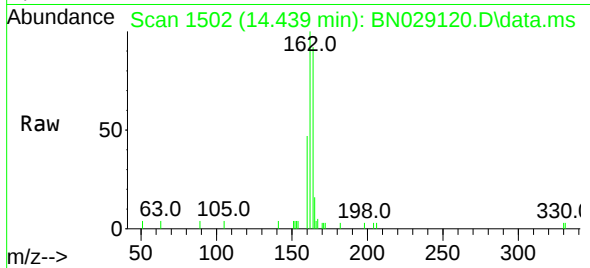
Tgt Ion:142 Resp: 403
Ion Ratio Lower Upper
142 100
141 91.1 71.1 106.7
115 62.1 44.6 66.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.439 min Scan# 1502
Delta R.T. 0.043 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

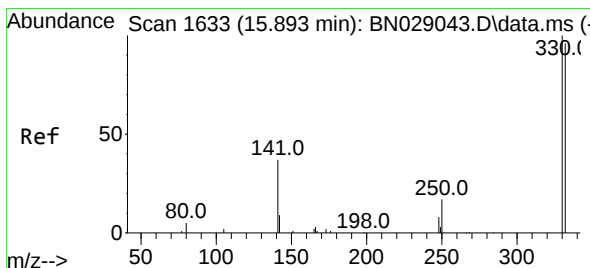
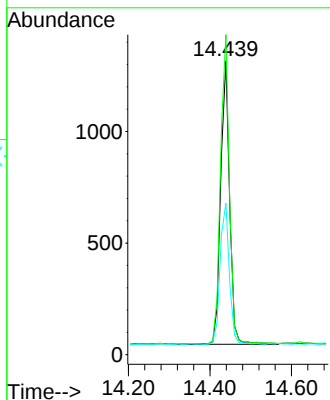
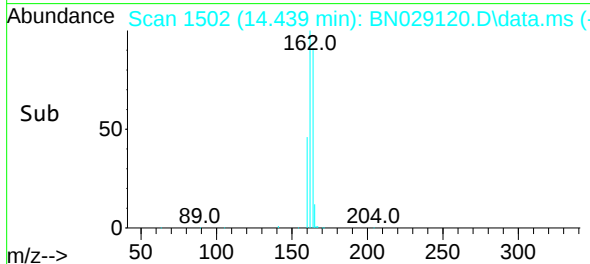
Instrument :
BNA_N
ClientSampleId :
PE-5



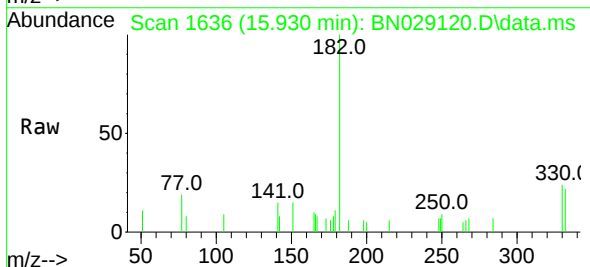
Tgt Ion:164 Resp: 1930
Ion Ratio Lower Upper
164 100
162 109.0 85.0 127.6
160 51.7 41.3 61.9

Manual Integrations
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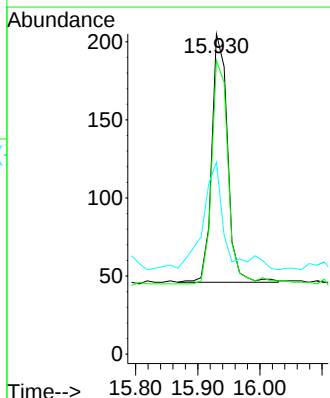
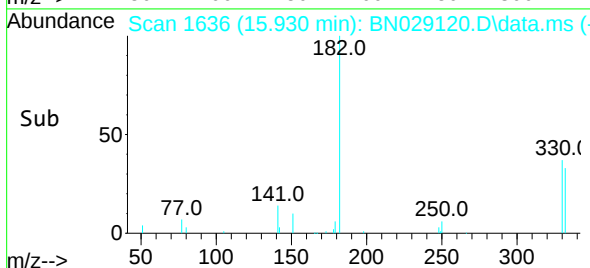
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

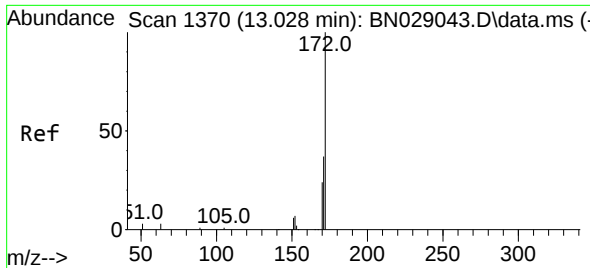


#14
2,4,6-Tribromophenol
Concen: 0.132 ng
RT: 15.930 min Scan# 1636
Delta R.T. 0.037 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54



Tgt Ion:330 Resp: 282
Ion Ratio Lower Upper
330 100
332 93.6 78.8 118.2
141 51.8 28.7 43.1#





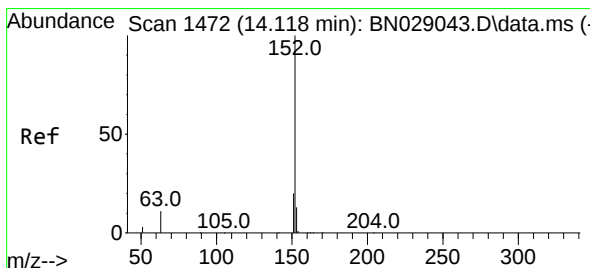
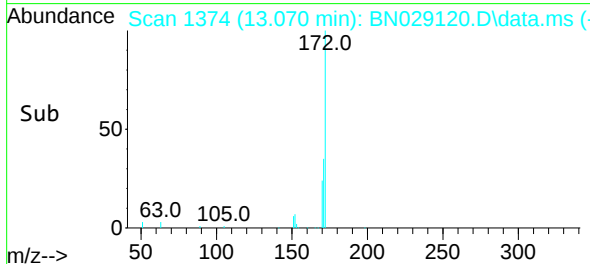
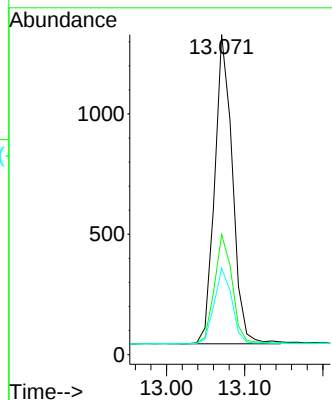
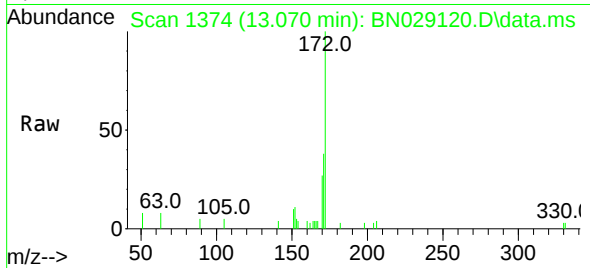
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2-Fluorobiphenyl
Concen: 0.203 ng
RT: 13.070 min Scan# 11
Delta R.T. 0.043 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

Instrument :
BNA_N
ClientSampleId :
PE-5

Tgt Ion:172 Resp: 203
Ion Ratio Lower Upper
172 100
171 37.5 30.1 45.1
170 26.9 20.3 30.5

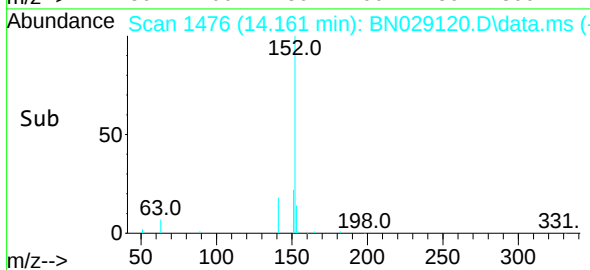
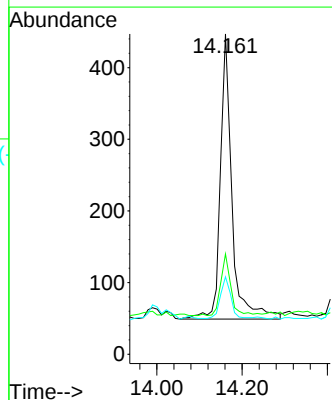
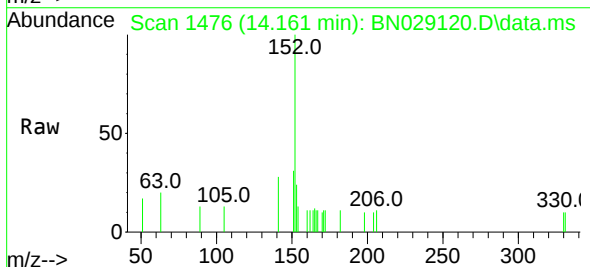
Manual Integrations
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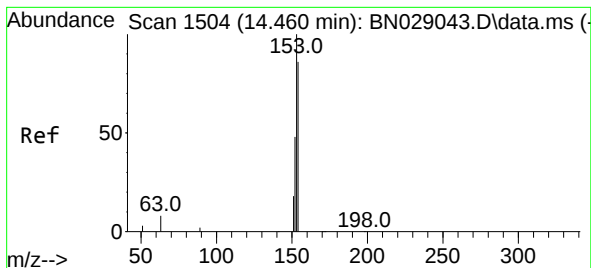
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#16
Acenaphthylene
Concen: 0.071 ng
RT: 14.161 min Scan# 1476
Delta R.T. 0.043 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

Tgt Ion:152 Resp: 756
Ion Ratio Lower Upper
152 100
151 19.0 15.8 23.6
153 13.1 10.3 15.5





#17

Acenaphthene

Concen: 0.506 ng

RT: 14.503 min Scan# 11

Delta R.T. 0.043 min

Lab File: BN029120.D

Acq: 08 Dec 2023 09:54

Instrument :

BNA_N

ClientSampleId :

PE-5

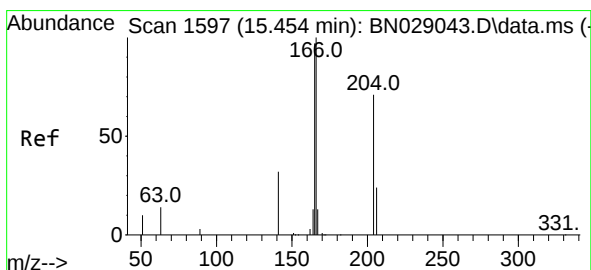
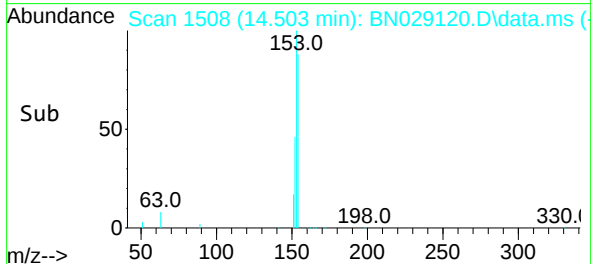
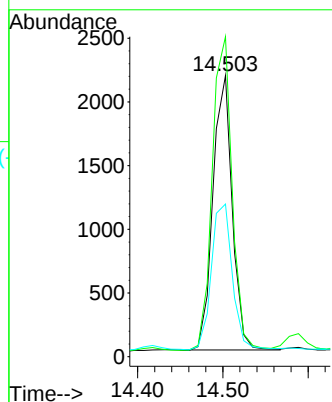
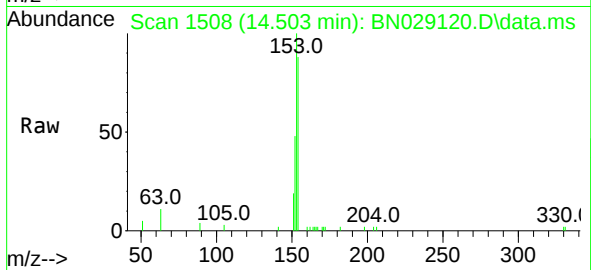
Tgt Ion:154 Resp: 3380
Ion Ratio Lower Upper
154 100
153 117.9 93.0 139.6
152 57.9 44.2 66.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/08/2023

Supervised By :mohammad ahmed 12/08/2023



#18

Fluorene

Concen: 0.378 ng

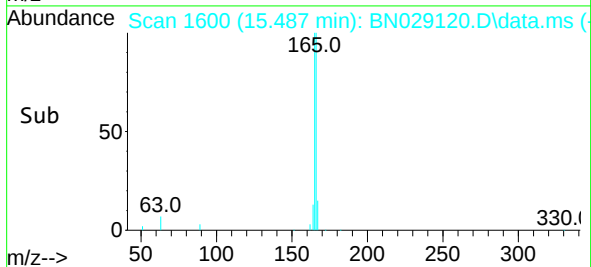
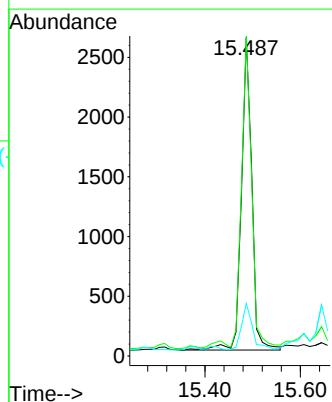
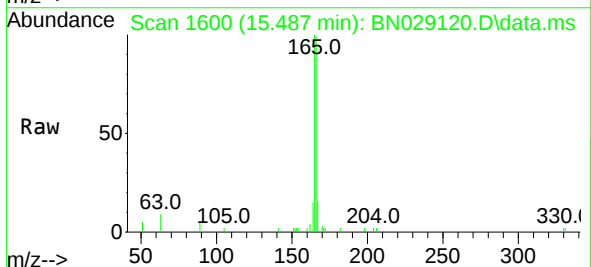
RT: 15.487 min Scan# 1600

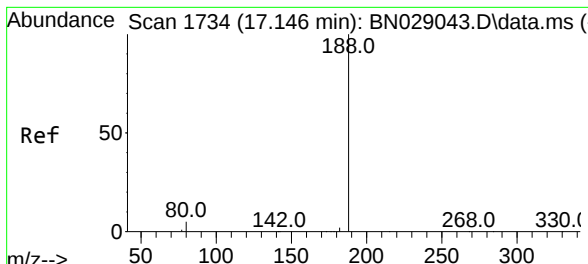
Delta R.T. 0.032 min

Lab File: BN029120.D

Acq: 08 Dec 2023 09:54

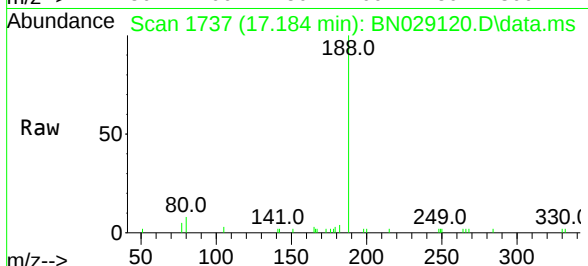
Tgt Ion:166 Resp: 4029
Ion Ratio Lower Upper
166 100
165 99.3 80.2 120.4
167 15.5 11.0 16.4





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.184 min Scan# 1737
Delta R.T. 0.037 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

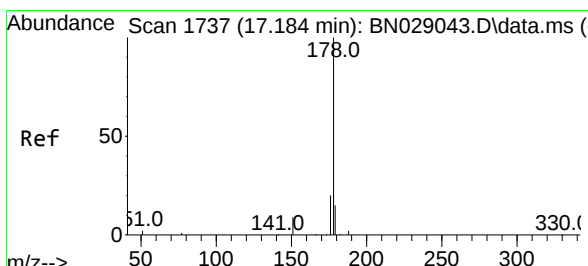
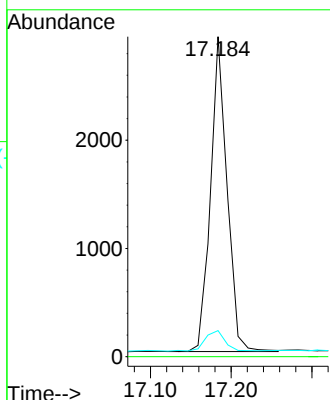
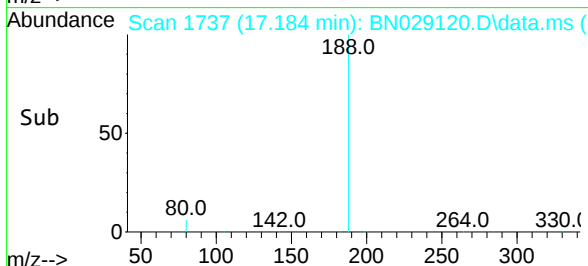
Instrument :
BNA_N
ClientSampleId :
PE-5



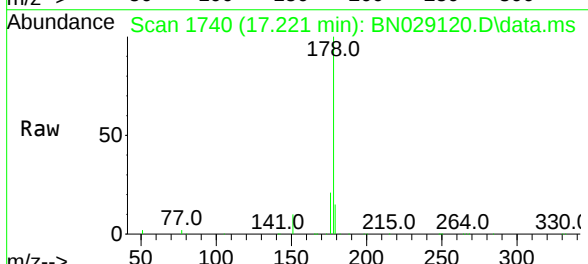
Tgt Ion:188 Resp: 4152
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.2 5.4 8.0

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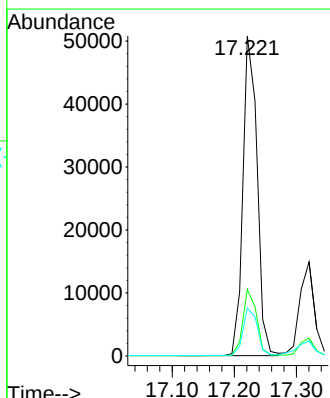
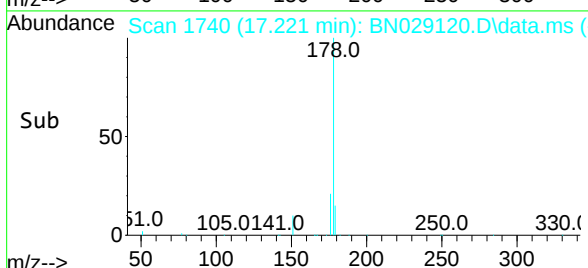
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

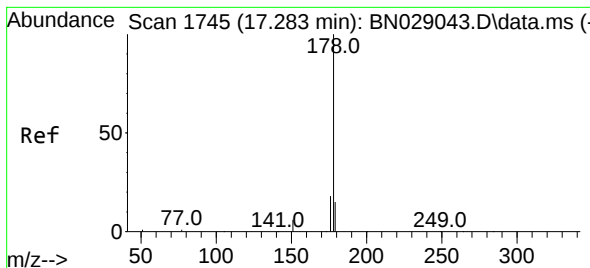


#25
Phenanthrene
Concen: 5.825 ng
RT: 17.221 min Scan# 1740
Delta R.T. 0.037 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54



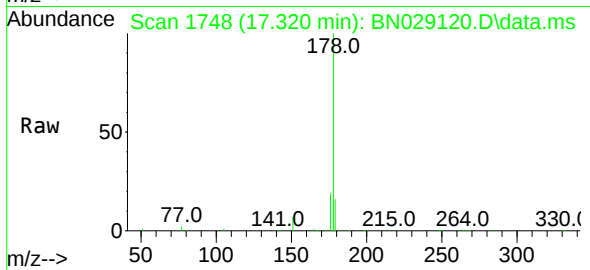
Tgt Ion:178 Resp: 80735
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 15.1 12.6 18.8





#26
 Anthracene
 Concen: 1.691 ng
 RT: 17.320 min Scan# 1745
 Delta R.T. 0.037 min
 Lab File: BN029120.D
 Acq: 08 Dec 2023 09:54

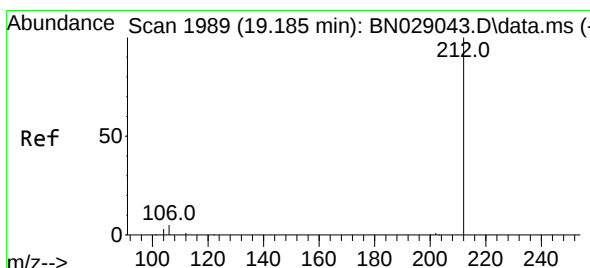
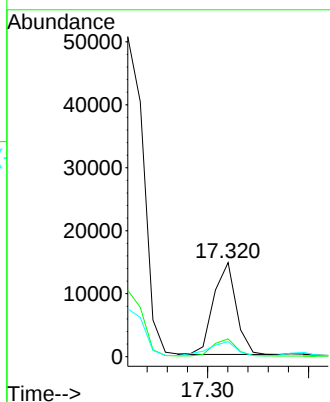
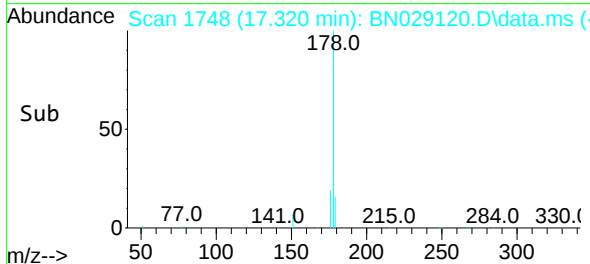
Instrument :
 BNA_N
 ClientSampleId :
 PE-5



Tgt Ion:178 Resp: 22658
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.0 22.4
 179 18.1 12.6 19.0

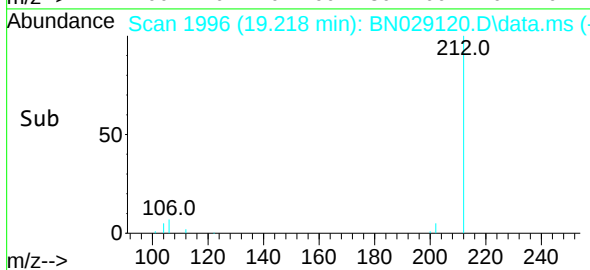
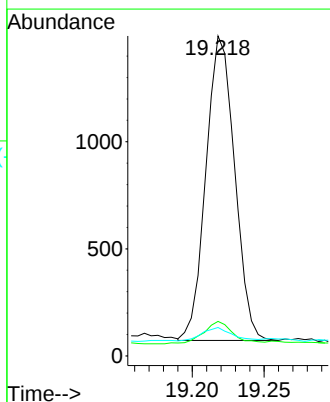
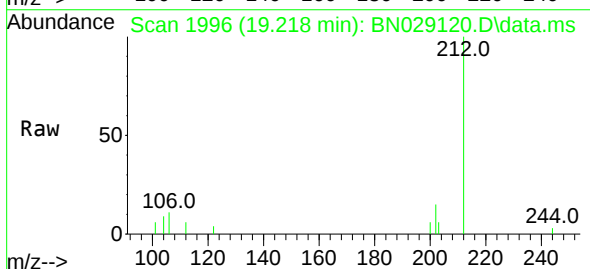
Manual Integrations
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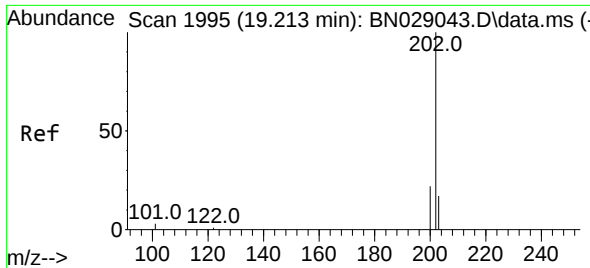
Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023



#27
 Fluoranthene-d10
 Concen: 0.151 ng
 RT: 19.218 min Scan# 1996
 Delta R.T. 0.033 min
 Lab File: BN029120.D
 Acq: 08 Dec 2023 09:54

Tgt Ion:212 Resp: 1976
 Ion Ratio Lower Upper
 212 100
 106 7.5 3.9 5.9#
 104 4.6 2.6 3.8#





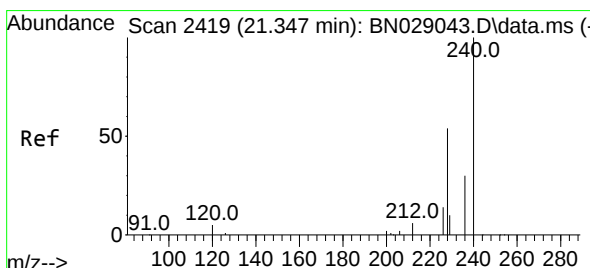
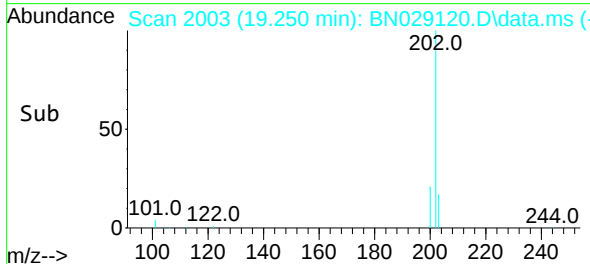
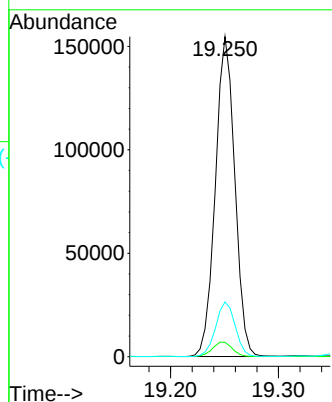
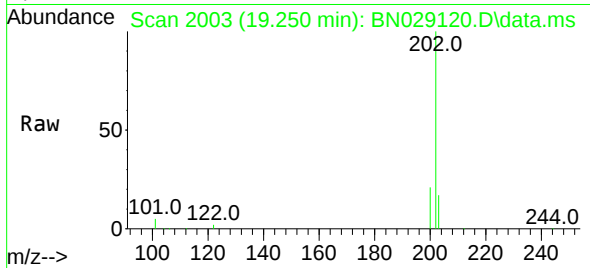
#28
Fluoranthene
Concen: 10.177 ng
RT: 19.250 min Scan# 20
Delta R.T. 0.037 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

Instrument :
BNA_N
ClientSampleId :
PE-5

Tgt Ion:202 Resp: 19390
Ion Ratio Lower Upper
202 100
101 4.7 3.0 4.6
203 17.1 13.8 20.6

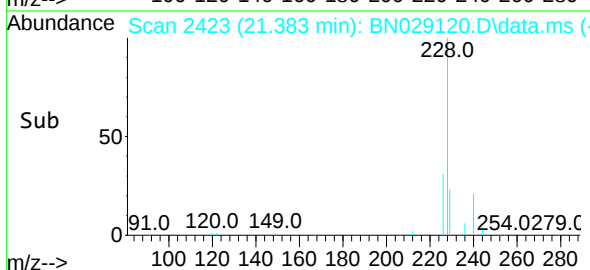
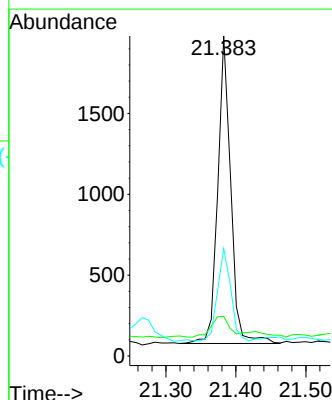
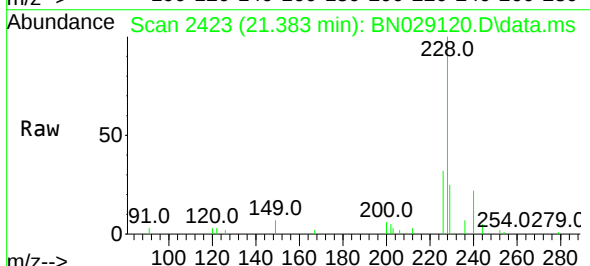
Manual Integrations
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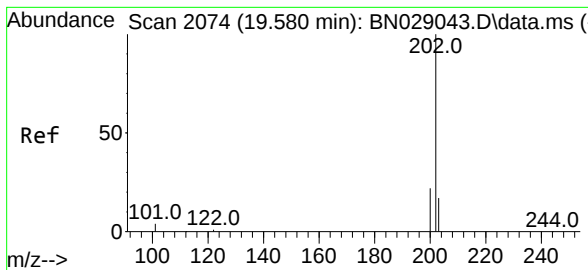
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.383 min Scan# 2423
Delta R.T. 0.036 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

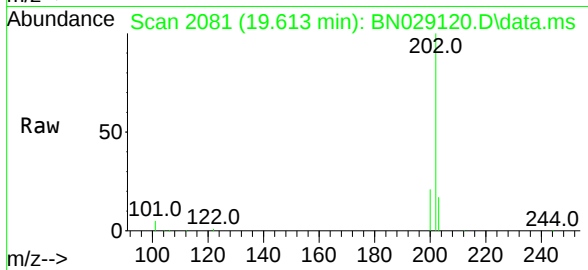
Tgt Ion:240 Resp: 2433
Ion Ratio Lower Upper
240 100
120 12.4 6.7 10.1#
236 33.6 25.7 38.5





#30
Pyrene
Concen: 10.093 ng
RT: 19.613 min Scan# 2074
Delta R.T. 0.033 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

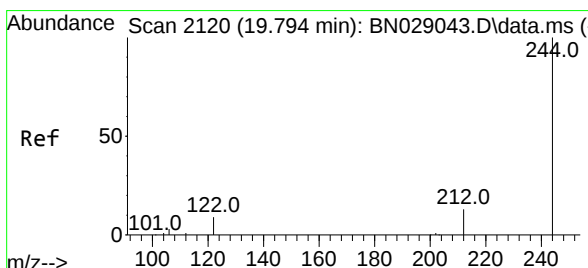
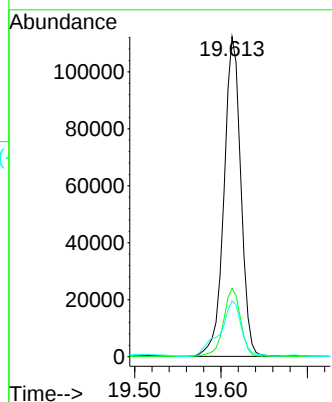
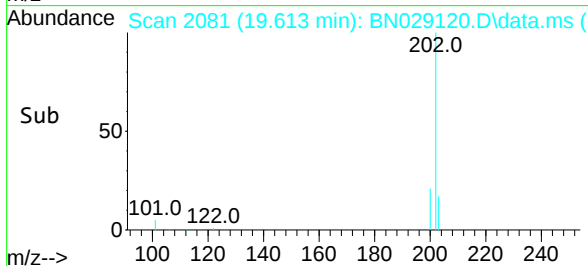
Instrument :
BNA_N
ClientSampleId :
PE-5



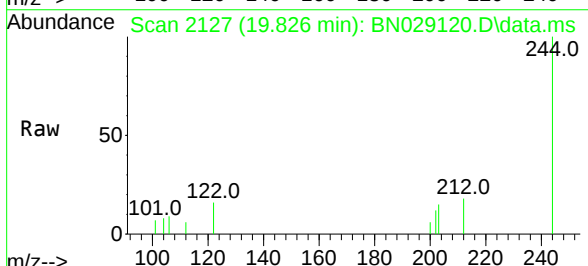
Tgt Ion:202 Resp: 152225
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 22.2 14.2 21.4

Manual Integrations
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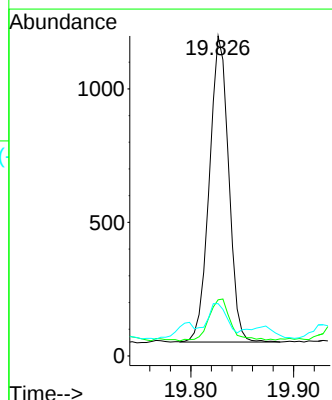
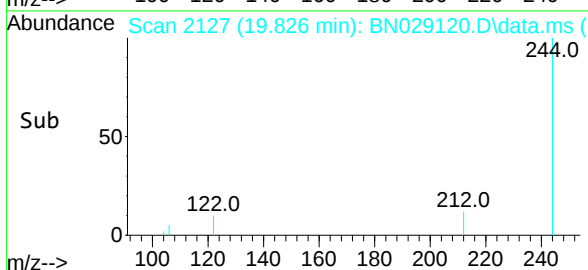
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

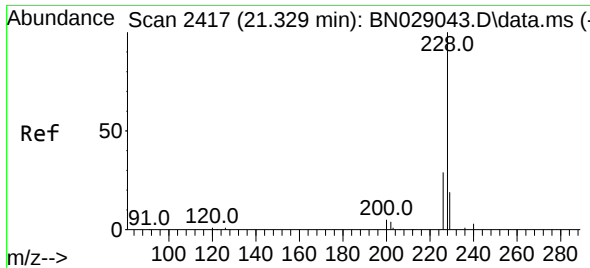


#31
Terphenyl-d14
Concen: 0.242 ng
RT: 19.826 min Scan# 2127
Delta R.T. 0.033 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54



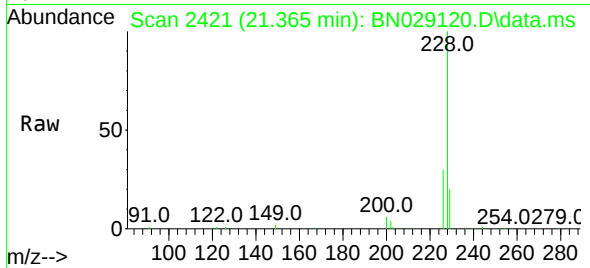
Tgt Ion:244 Resp: 1491
Ion Ratio Lower Upper
244 100
212 17.5 11.6 17.4#
122 16.4 8.2 12.4#





#32
Benzo(a)anthracene
Concen: 5.577 ng
RT: 21.365 min Scan# 2417
Delta R.T. 0.036 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

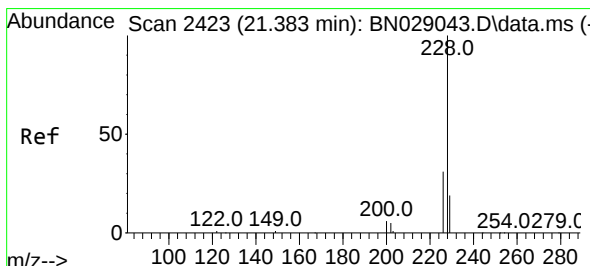
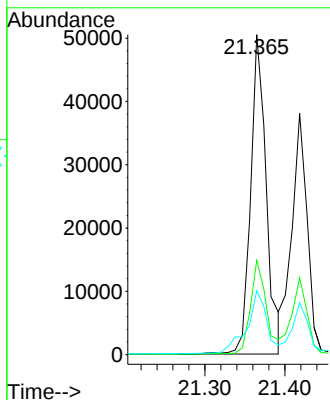
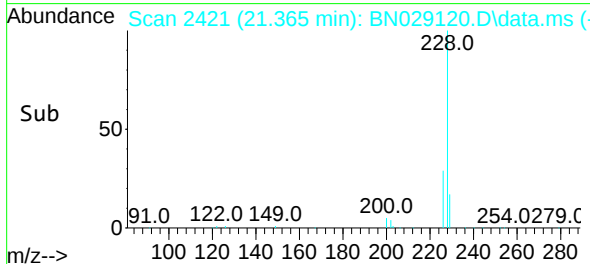
Instrument :
BNA_N
ClientSampleId :
PE-5



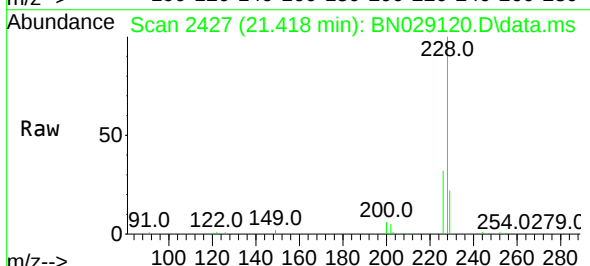
Tgt Ion:228 Resp: 68824
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.6
229 20.0 16.0 24.0

Manual Integrations
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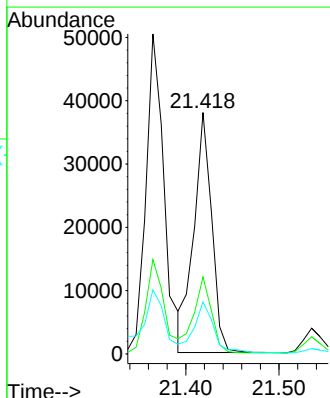
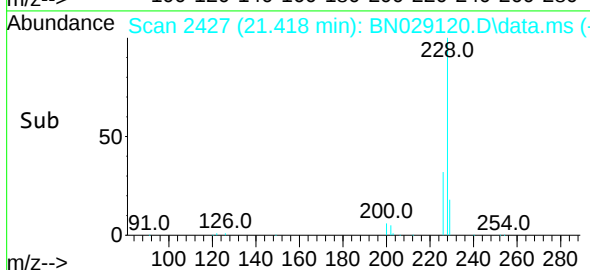
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

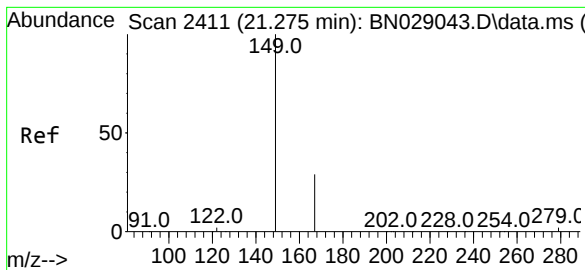


#33
Chrysene
Concen: 4.184 ng
RT: 21.418 min Scan# 2427
Delta R.T. 0.036 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54



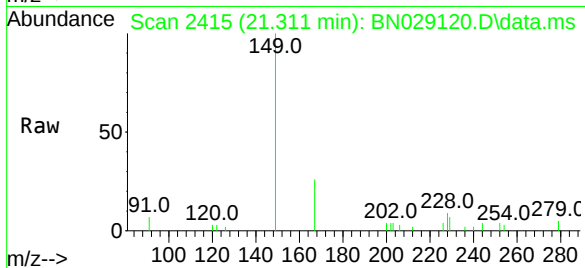
Tgt Ion:228 Resp: 50798
Ion Ratio Lower Upper
228 100
226 31.9 25.4 38.0
229 21.5 16.0 24.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.542 ng
RT: 21.311 min Scan# 2411
Delta R.T. 0.036 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

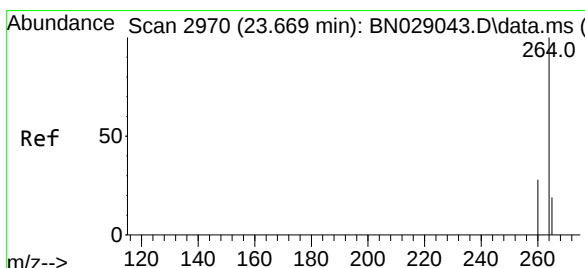
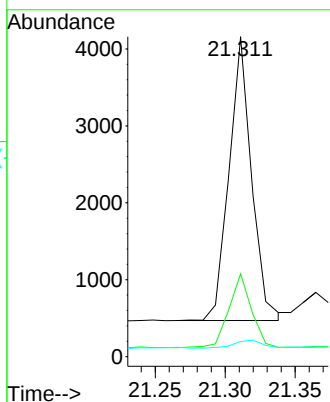
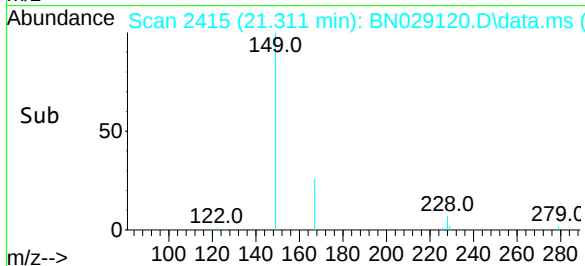
Instrument :
BNA_N
ClientSampleId :
PE-5



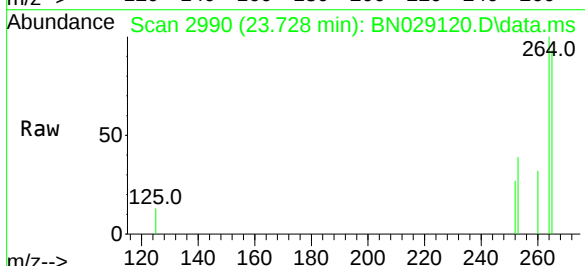
Tgt Ion:149 Resp: 4125
Ion Ratio Lower Upper
149 100
167 26.1 23.4 35.2
279 3.9 3.4 5.2

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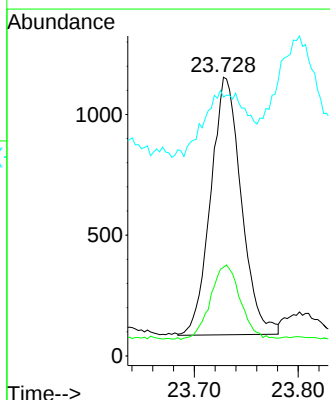
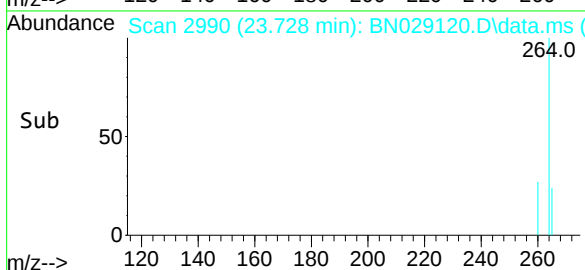
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

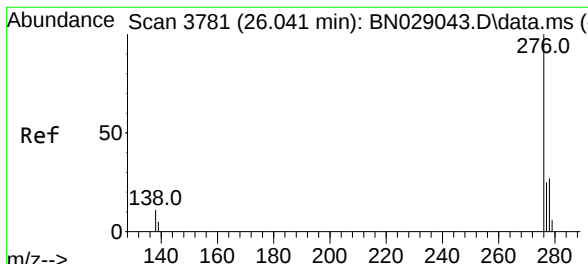


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.728 min Scan# 2990
Delta R.T. 0.059 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54



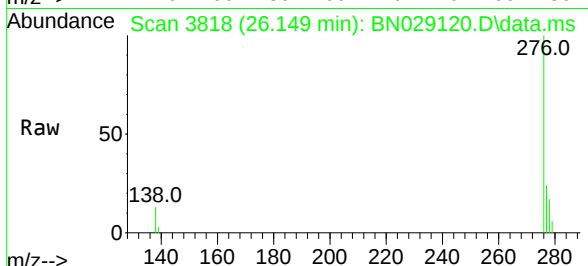
Tgt Ion:264 Resp: 2184
Ion Ratio Lower Upper
264 100
260 31.8 23.9 35.9
265 92.9 52.7 79.1#





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 2.435 ng
 RT: 26.149 min Scan# 30
 Delta R.T. 0.108 min
 Lab File: BN029120.D
 Acq: 08 Dec 2023 09:54

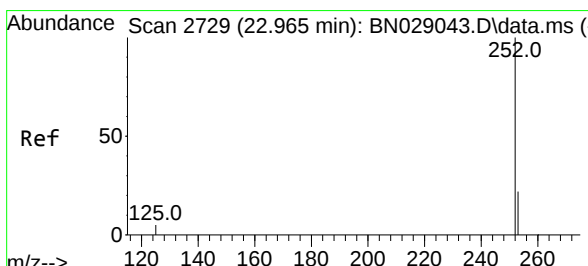
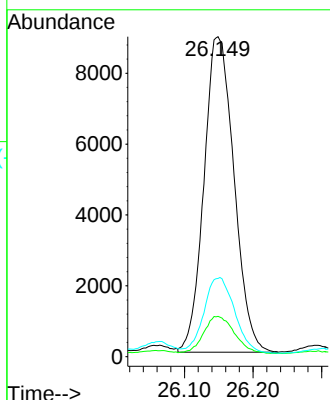
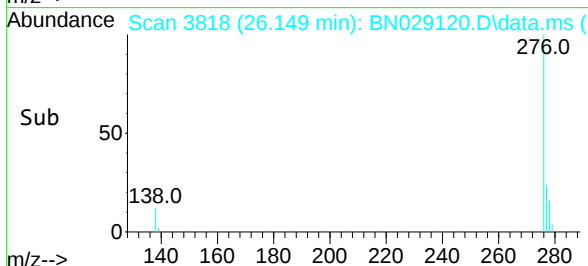
Instrument :
 BNA_N
 ClientSampleId :
 PE-5



Tgt Ion:	276	Resp:	2712
Ion Ratio	Lower	Upper	
276	100		
138	12.2	9.6	14.4
277	24.5	19.4	29.0

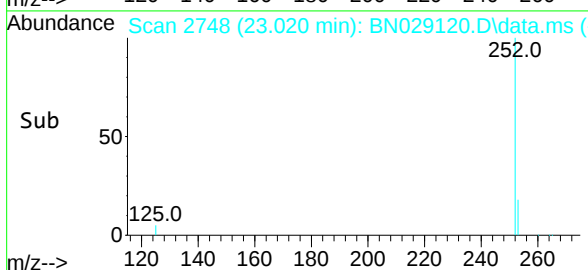
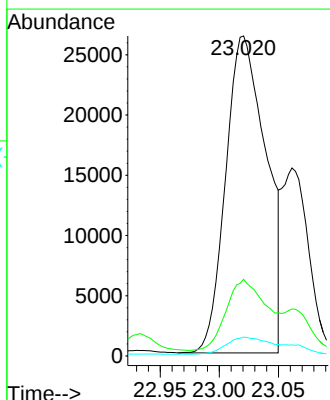
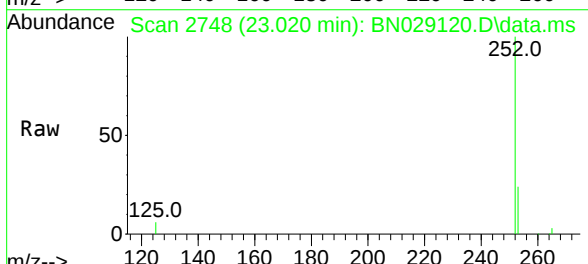
Manual Integrations
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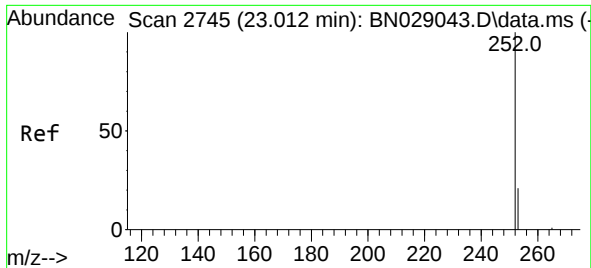
Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023



#37
 Benzo(b)fluoranthene
 Concen: 5.327 ng
 RT: 23.020 min Scan# 2748
 Delta R.T. 0.056 min
 Lab File: BN029120.D
 Acq: 08 Dec 2023 09:54

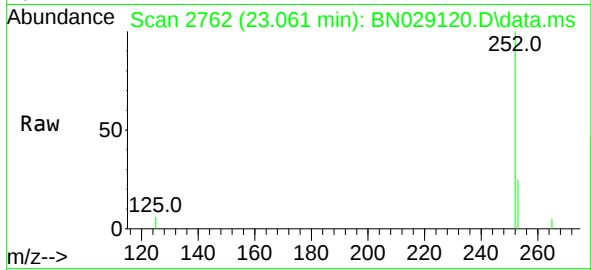
Tgt Ion:	252	Resp:	62457
Ion Ratio	Lower	Upper	
252	100		
253	23.9	23.0	34.6
125	5.9	5.4	8.0





#38
Benzo(k)fluoranthene
Concen: 2.190 ng m
RT: 23.061 min Scan# 21
Delta R.T. 0.050 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

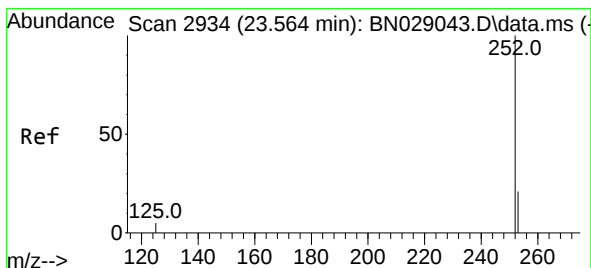
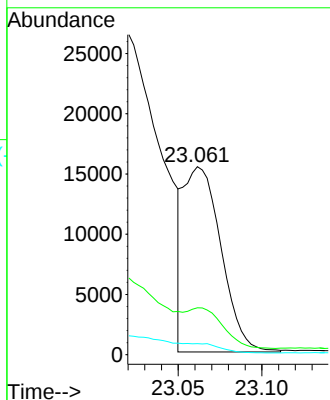
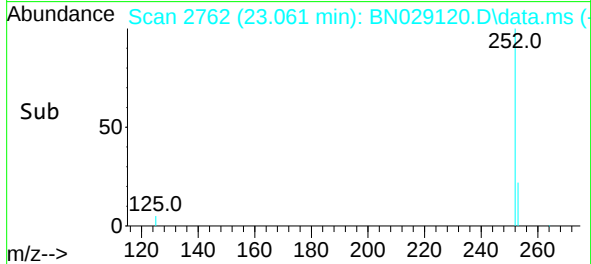
Instrument :
BNA_N
ClientSampleId :
PE-5



Tgt Ion:252 Resp: 2408
Ion Ratio Lower Upper
252 100
253 25.0 23.0 34.4
125 5.9 5.0 7.6

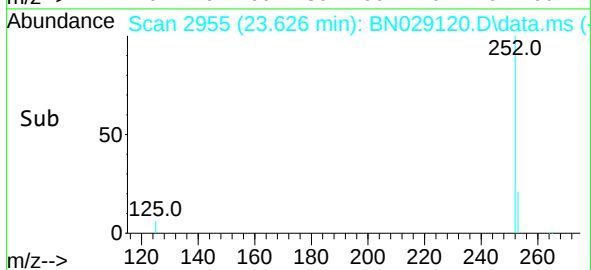
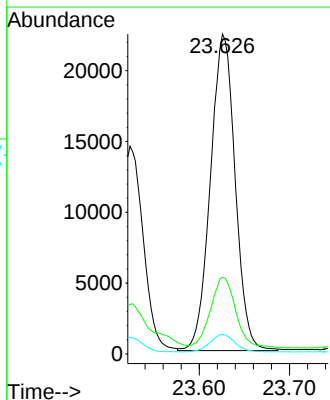
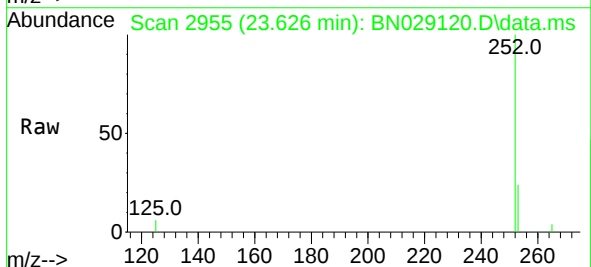
Manual Integrations
APPROVED

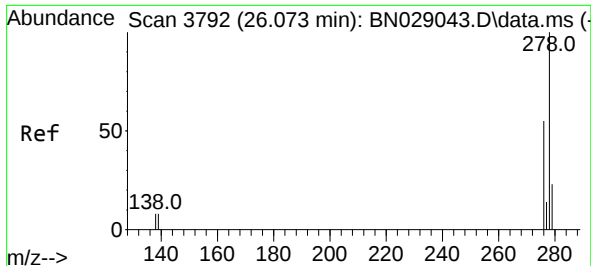
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#39
Benzo(a)pyrene
Concen: 4.380 ng m
RT: 23.626 min Scan# 2955
Delta R.T. 0.061 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

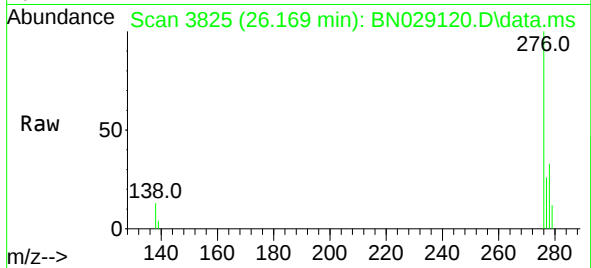
Tgt Ion:252 Resp: 42498
Ion Ratio Lower Upper
252 100
253 23.9 25.3 37.9#
125 6.2 6.5 9.7#





#40
Dibenzo(a,h)anthracene
Concen: 0.812 ng
RT: 26.169 min Scan# 31
Delta R.T. 0.097 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54

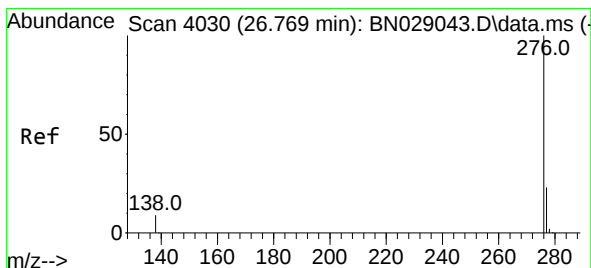
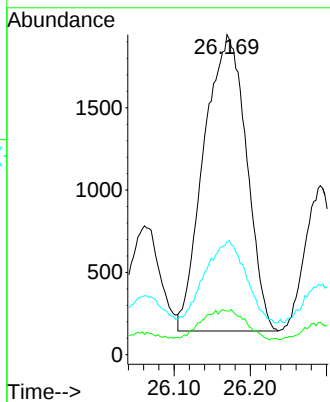
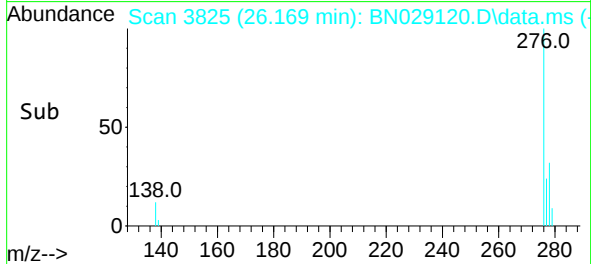
Instrument :
BNA_N
ClientSampleId :
PE-5



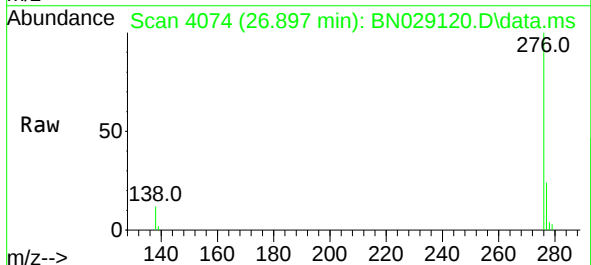
Tgt Ion:278 Resp: 6970
Ion Ratio Lower Upper
278 100
139 13.7 9.4 14.2
279 35.3 24.2 36.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#41
Benzo(g,h,i)perylene
Concen: 2.546 ng
RT: 26.897 min Scan# 4074
Delta R.T. 0.129 min
Lab File: BN029120.D
Acq: 08 Dec 2023 09:54



Tgt Ion:276 Resp: 23923
Ion Ratio Lower Upper
276 100
277 24.4 20.3 30.5
138 12.4 9.2 13.8

