

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029123.D
 Acq On : 08 Dec 2023 11:43
 Operator : MA/JU
 Sample : 05366-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P-14(10-15)

Manual Integrations
 APPROVED

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

Quant Time: Dec 08 13:30:54 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	7.905	152	2039	0.400	ng	0.13
7) Naphthalene-d8	10.701	136	4084	0.400	ng	0.14
13) Acenaphthene-d10	14.524	164	2658	0.400	ng	0.13
19) Phenanthrene-d10	17.271	188	5248	0.400	ng	0.12
29) Chrysene-d12	21.454	240	2316	0.400	ng	# 0.11
35) Perylene-d12	23.863	264	2150	0.400	ng	# 0.19
System Monitoring Compounds						
4) 2-Fluorophenol	5.500	112	1238	0.268	ng	0.11
5) Phenol-d6	7.118	99	1583	0.287	ng	0.14
8) Nitrobenzene-d5	9.078	82	1160	0.235	ng	0.14
11) 2-Methylnaphthalene-d10	12.287	152	1922	0.224	ng	0.14
14) 2,4,6-Tribromophenol	16.017	330	568	0.193	ng	0.12
15) 2-Fluorobiphenyl	13.167	172	3275	0.238	ng	0.14
27) Fluoranthene-d10	19.297	212	3125	0.189	ng	0.11
31) Terphenyl-d14	19.901	244	1622	0.277	ng	0.11
Target Compounds						Qvalue
9) Naphthalene	10.754	128	10330	0.811	ng	99
12) 2-Methylnaphthalene	12.359	142	5714	0.552	ng	96
16) Acenaphthylene	14.246	152	4812	0.329	ng	# 90
17) Acenaphthene	14.589	154	3672	0.400	ng	94
18) Fluorene	15.570	166	7022	0.480	ng	# 97
25) Phenanthrene	17.308	178	31586	1.803	ng	99
26) Anthracene	17.395	178	11026	0.651	ng	98
28) Fluoranthene	19.329	202	26810	1.113	ng	# 97
30) Pyrene	19.687	202	26064	1.815	ng	98
32) Benzo(a)anthracene	21.436	228	5195	0.442	ng	92
33) Chrysene	21.490	228	4020	0.348	ng	94
34) Bis(2-ethylhexyl)phtha...	21.383	149	2884	0.398	ng	# 52
36) Indeno(1,2,3-cd)pyrene	26.397	276	4916m	0.448	ng	
37) Benzo(b)fluoranthene	23.126	252	6072	0.526	ng	# 84
38) Benzo(k)fluoranthene	23.170	252	2008m	0.186	ng	
39) Benzo(a)pyrene	23.754	252	5398	0.565	ng	# 93
40) Dibenzo(a,h)anthracene	26.415	278	1097m	0.130	ng	
41) Benzo(g,h,i)perylene	27.178	276	5014	0.542	ng	# 92

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

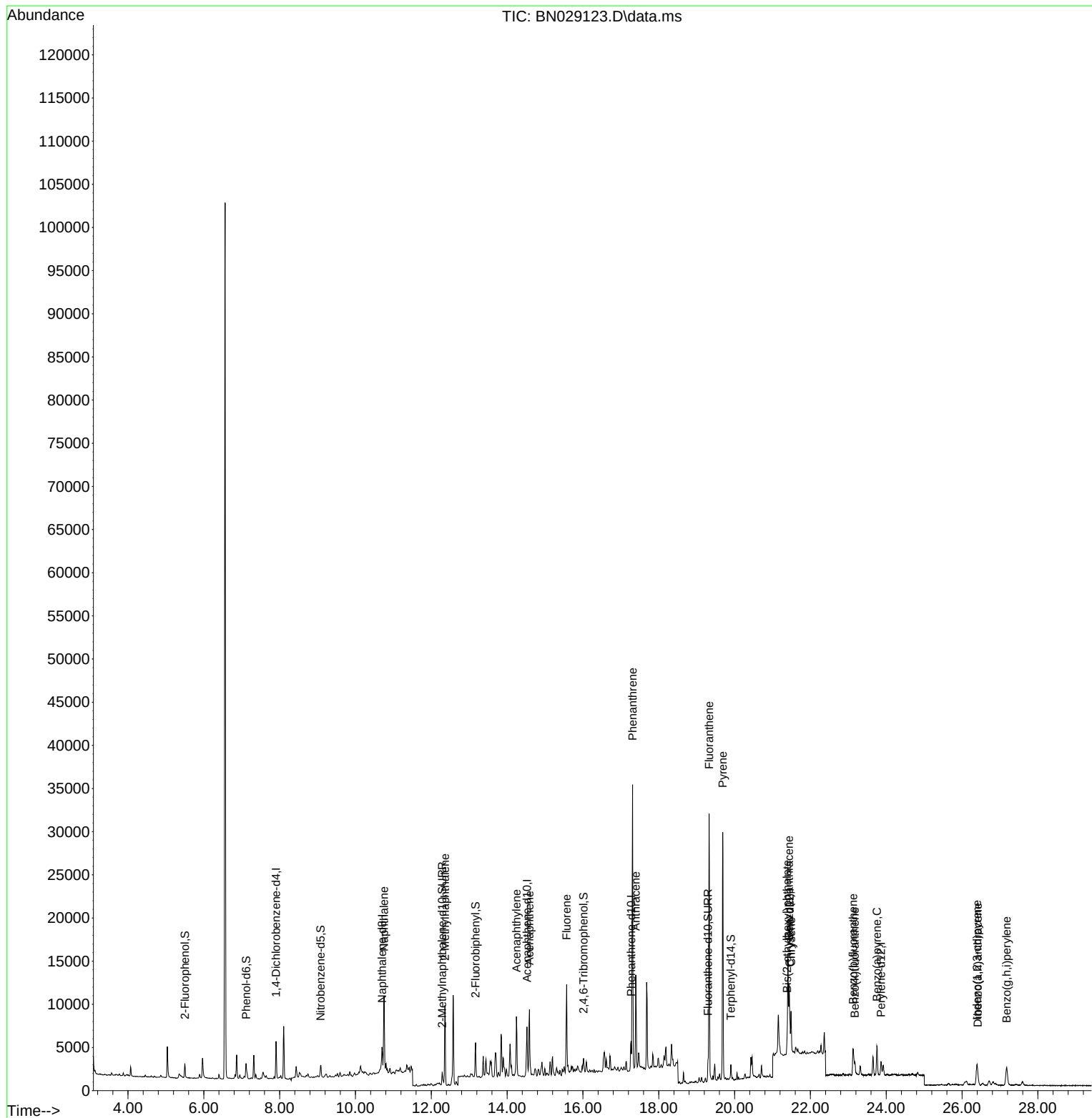
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
Data File : BN029123.D
Acq On : 08 Dec 2023 11:43
Operator : MA/JU
Sample : 05366-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

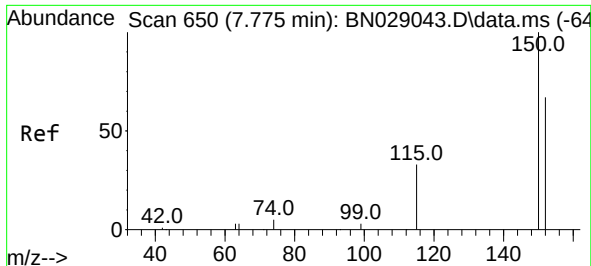
Instrument :
BNA_N
ClientSampleId :
P-14(10-15)

Manual Integrations
APPROVED

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

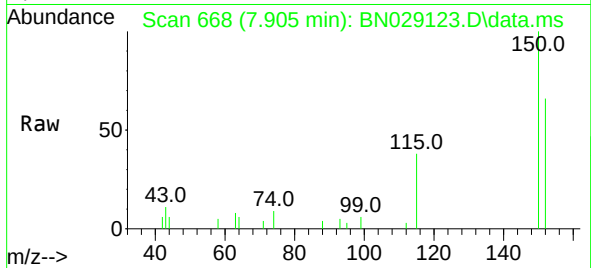
Quant Time: Dec 08 13:30:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 00:49:47 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.905 min Scan# 60
Delta R.T. 0.130 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

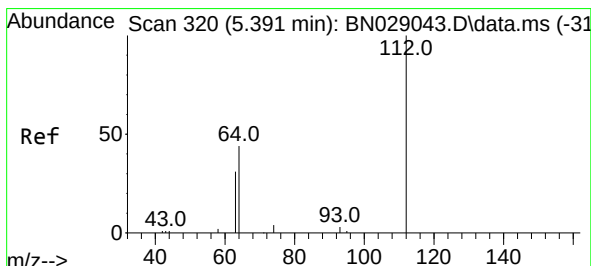
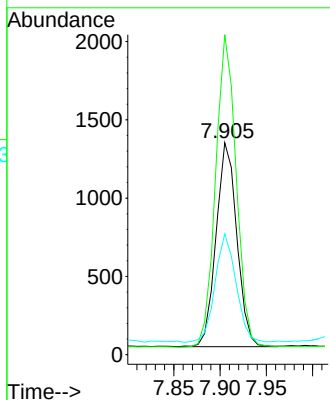
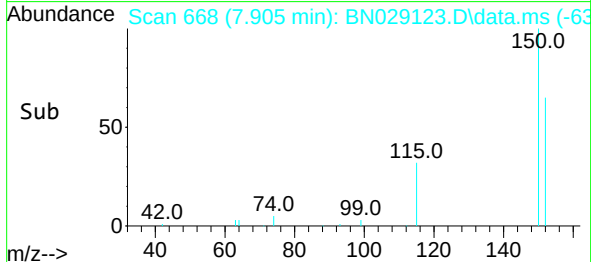
Instrument :
BNA_N
ClientSampleId :
P-14(10-15)



Tgt Ion:152 Resp: 2039
Ion Ratio Lower Upper
152 100
150 151.0 116.2 174.4
115 57.0 45.1 67.7

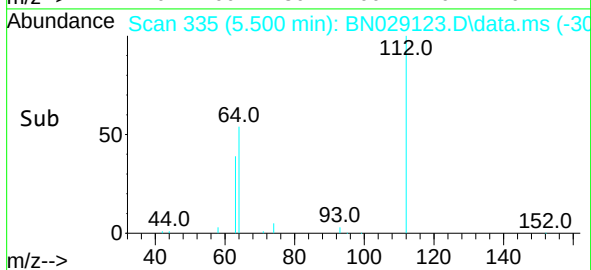
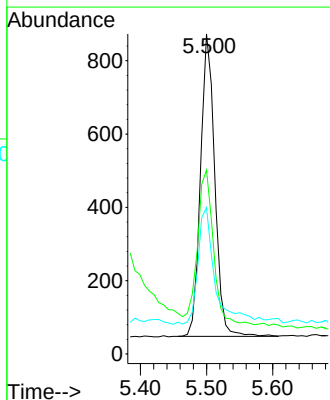
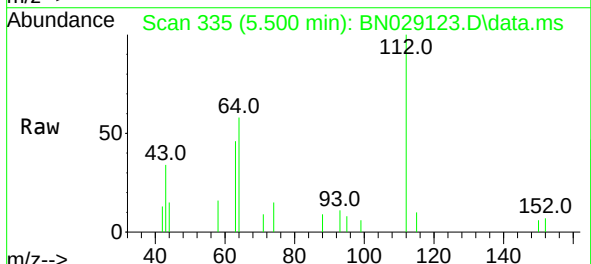
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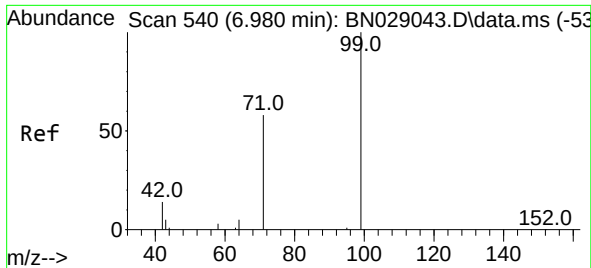
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#4
2-Fluorophenol
Concen: 0.268 ng
RT: 5.500 min Scan# 335
Delta R.T. 0.108 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

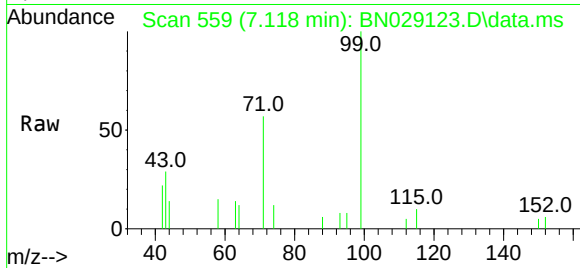
Tgt Ion:112 Resp: 1238
Ion Ratio Lower Upper
112 100
64 57.2 37.0 55.6#
63 47.7 29.0 43.6#





#5
Phenol-d6
Concen: 0.287 ng
RT: 7.118 min Scan# 511
Delta R.T. 0.137 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

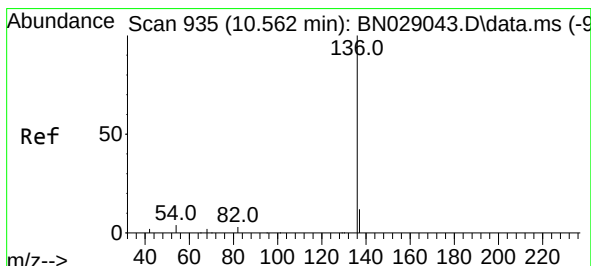
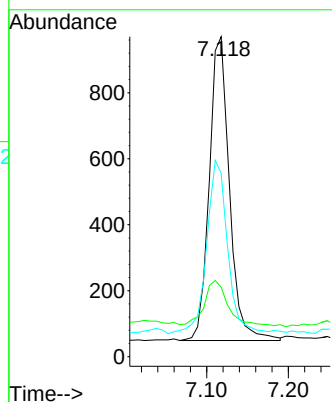
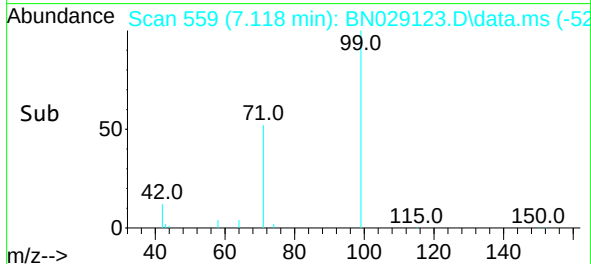
Instrument :
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P-14(10-15)



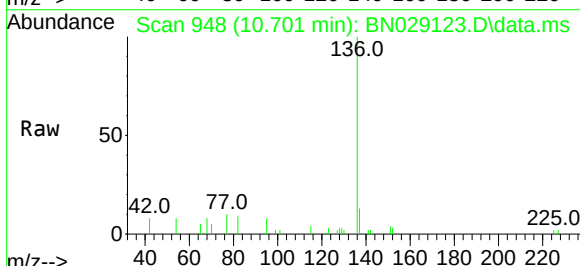
Tgt Ion: 99 Resp: 158
Ion Ratio Lower Upper
99 100
42 18.8 13.4 20.2
71 59.2 47.8 71.6

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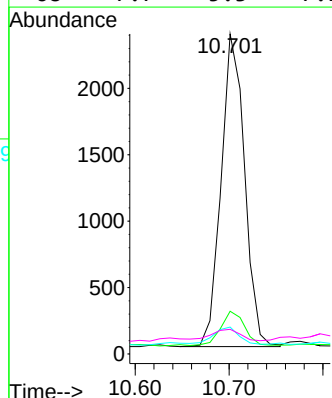
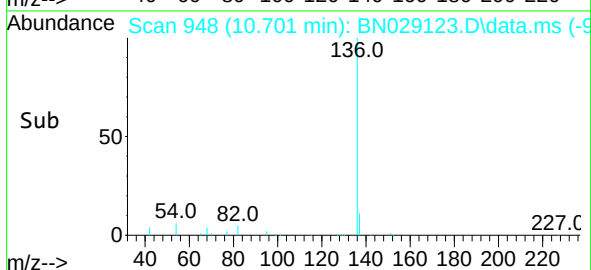
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

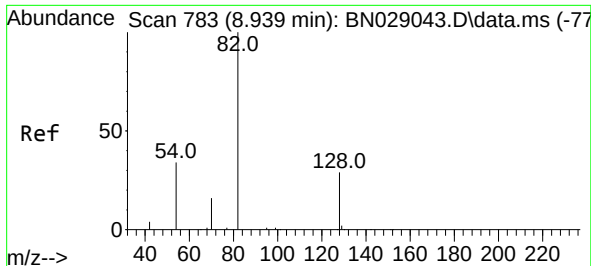


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.701 min Scan# 948
Delta R.T. 0.139 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43



Tgt Ion:136 Resp: 4084
Ion Ratio Lower Upper
136 100
137 13.4 11.9 17.9
54 8.4 6.4 9.6
68 7.7 5.3 7.9





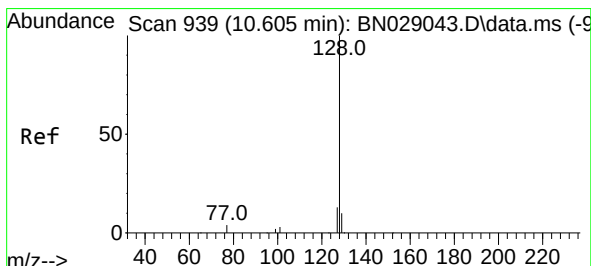
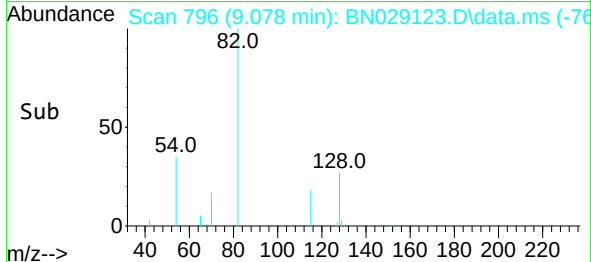
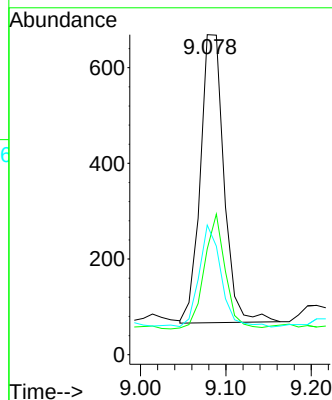
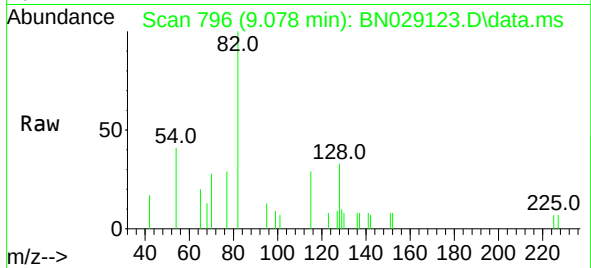
#8
Nitrobenzene-d5
Concen: 0.235 ng
RT: 9.078 min Scan# 783
Delta R.T. 0.139 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

Instrument :
BNA_N
ClientSampleId :
P-14(10-15)

Tgt Ion: 82 Resp: 1160
Ion Ratio Lower Upper
82 100
128 33.0 28.2 42.4
54 40.5 32.1 48.1

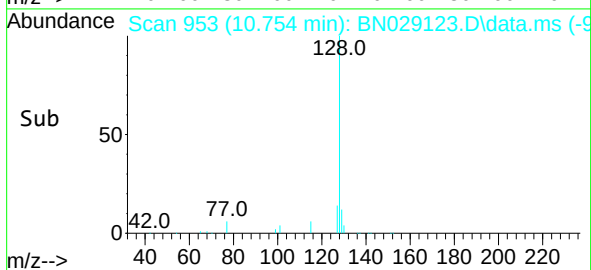
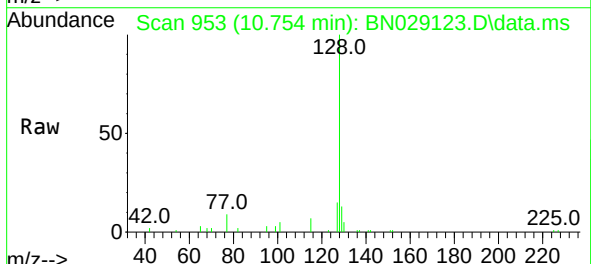
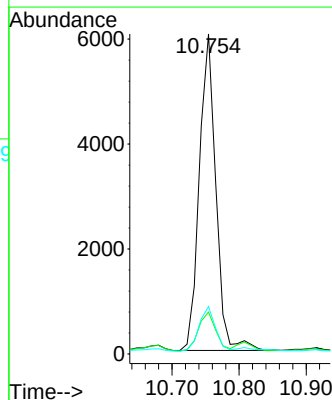
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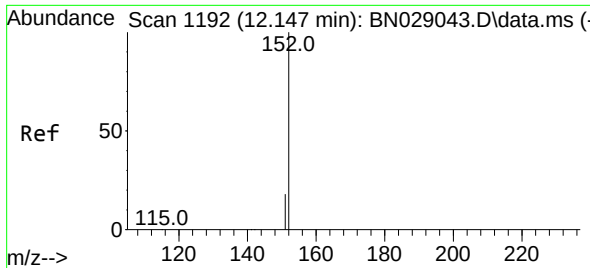
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#9
Naphthalene
Concen: 0.811 ng
RT: 10.754 min Scan# 953
Delta R.T. 0.150 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

Tgt Ion:128 Resp: 10330
Ion Ratio Lower Upper
128 100
129 13.1 10.5 15.7
127 14.8 12.5 18.7





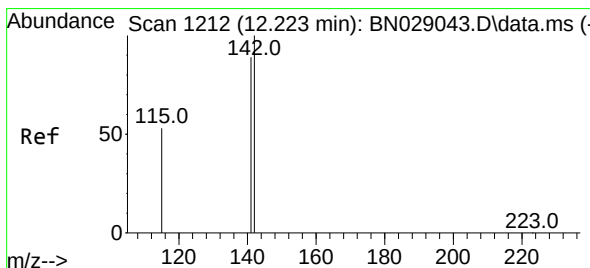
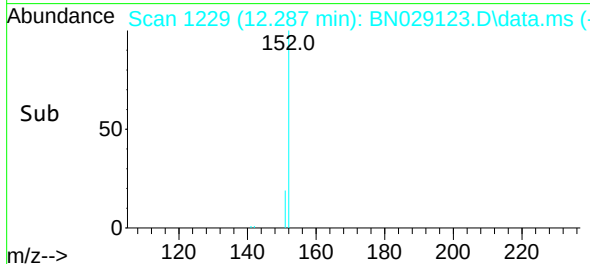
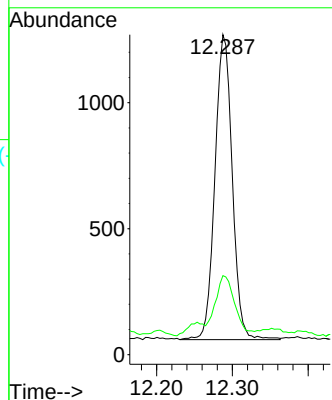
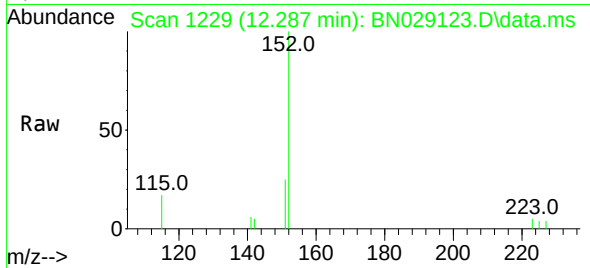
#11
2-Methylnaphthalene-d10
Concen: 0.224 ng
RT: 12.287 min Scan# 1192
Delta R.T. 0.140 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

Instrument :
BNA_N
ClientSampleId :
P-14(10-15)

Tgt Ion:152 Resp: 192
Ion Ratio Lower Upper
152 100
151 19.6 17.4 26.0

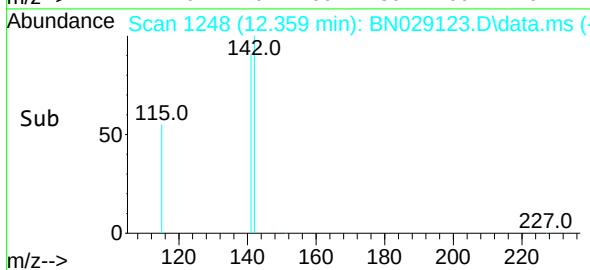
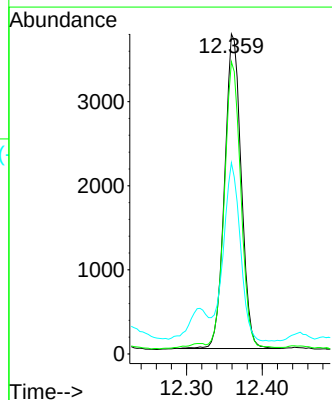
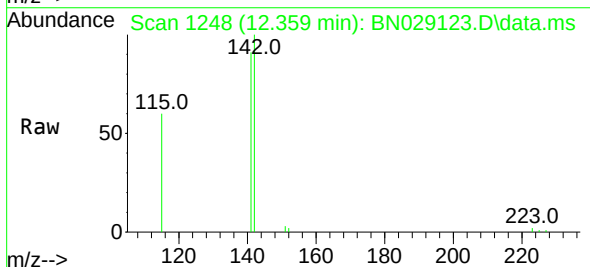
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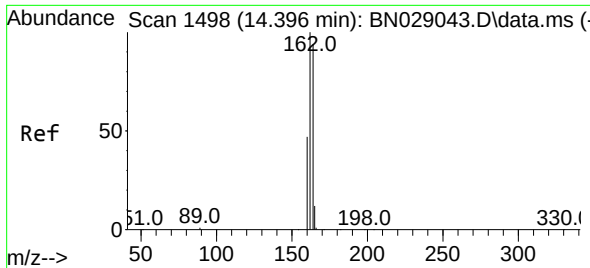
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#12
2-Methylnaphthalene
Concen: 0.552 ng
RT: 12.359 min Scan# 1248
Delta R.T. 0.136 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

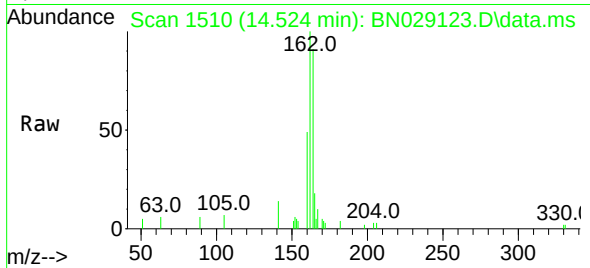
Tgt Ion:142 Resp: 5714
Ion Ratio Lower Upper
142 100
141 91.3 71.1 106.7
115 59.8 44.6 66.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.524 min Scan# 1498
Delta R.T. 0.128 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

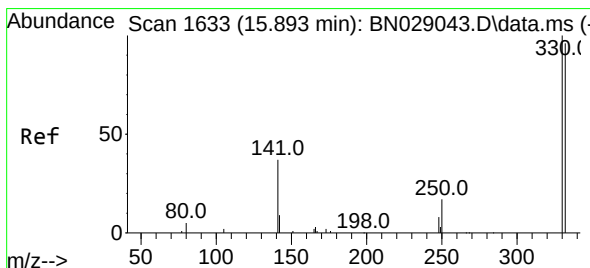
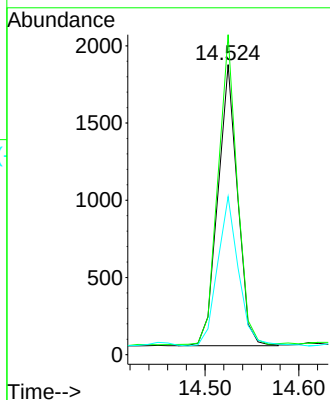
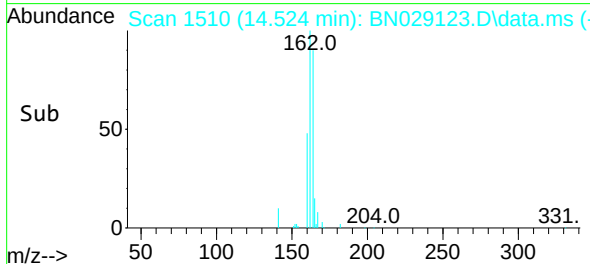
Instrument :
BNA_N
ClientSampleId :
P-14(10-15)



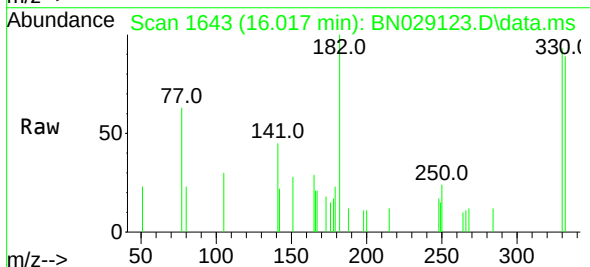
Tgt Ion:164 Resp: 2658
Ion Ratio Lower Upper
164 100
162 110.3 85.0 127.6
160 54.5 41.3 61.9

Manual Integrations
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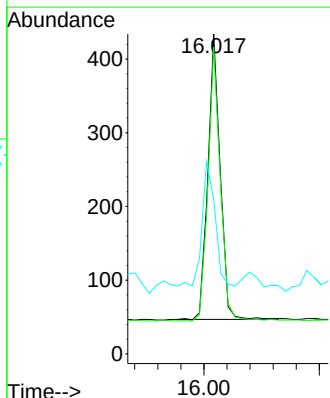
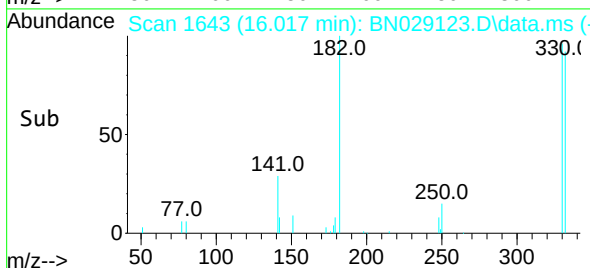
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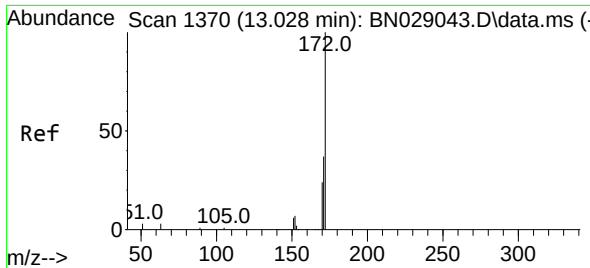


#14
2,4,6-Tribromophenol
Concen: 0.193 ng
RT: 16.017 min Scan# 1643
Delta R.T. 0.124 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43



Tgt Ion:330 Resp: 568
Ion Ratio Lower Upper
330 100
332 96.3 78.8 118.2
141 47.9 28.7 43.1#





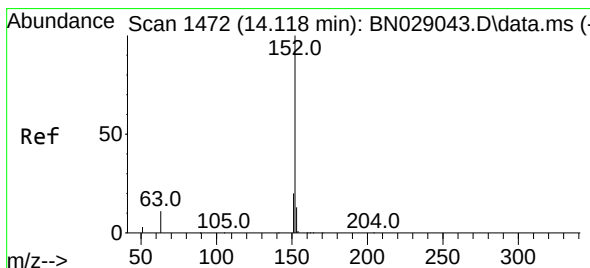
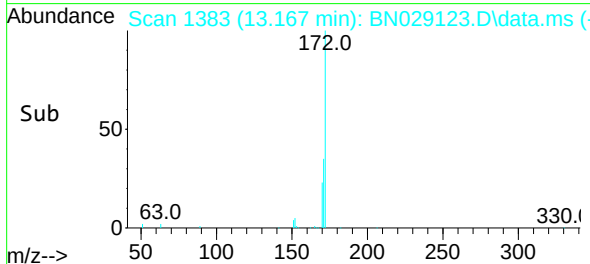
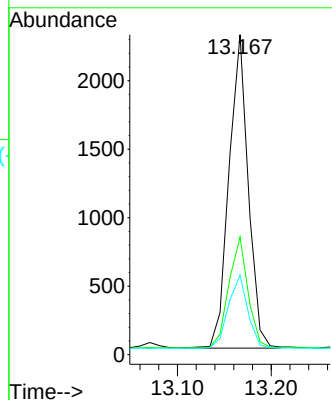
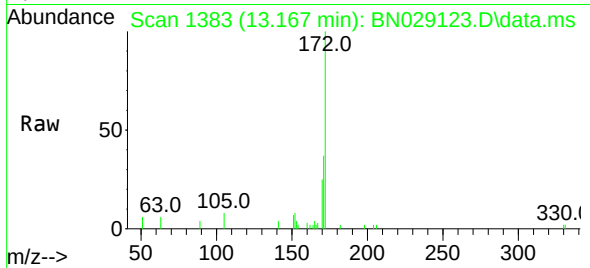
#15
2-Fluorobiphenyl
Concen: 0.238 ng
RT: 13.167 min Scan# 11
Delta R.T. 0.139 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

Instrument :
BNA_N
ClientSampleId :
P-14(10-15)

Tgt Ion:172 Resp: 327
Ion Ratio Lower Upper
172 100
171 36.8 30.1 45.1
170 24.8 20.3 30.5

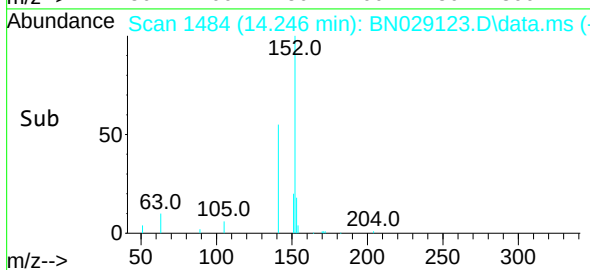
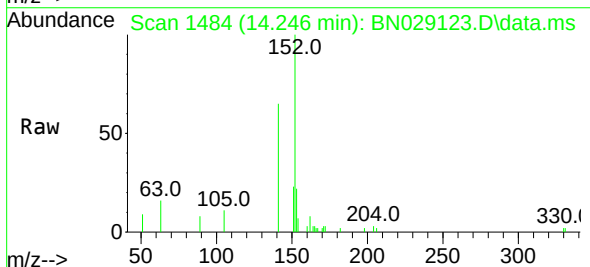
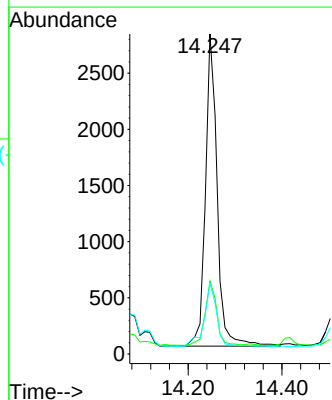
Manual Integrations
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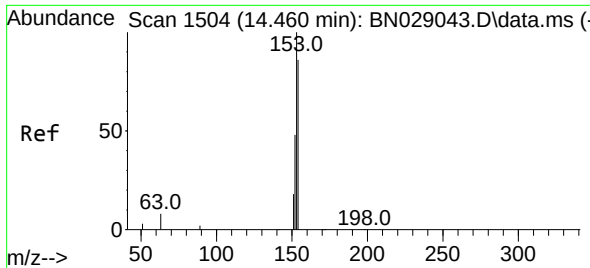
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#16
Acenaphthylene
Concen: 0.329 ng
RT: 14.246 min Scan# 1484
Delta R.T. 0.128 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

Tgt Ion:152 Resp: 4812
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.6
153 21.9 10.3 15.5#





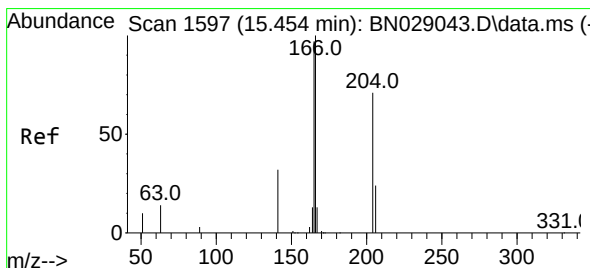
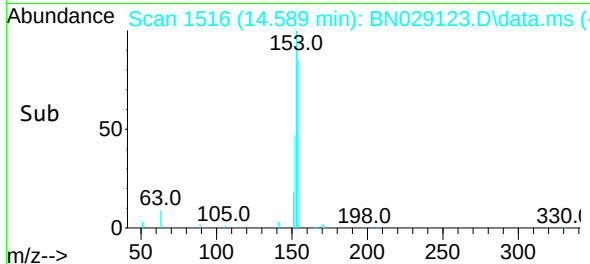
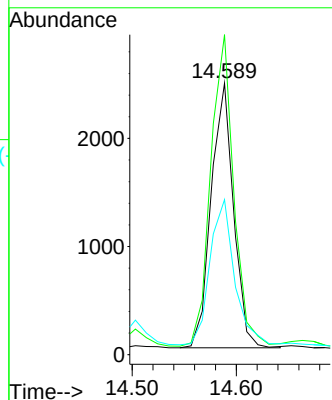
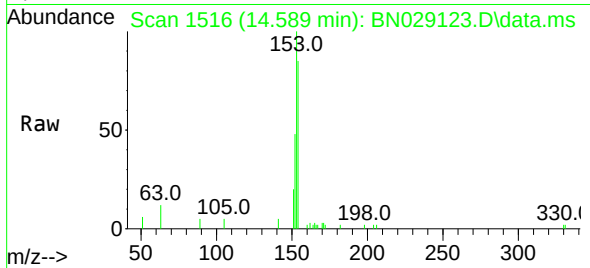
#17
Acenaphthene
Concen: 0.400 ng
RT: 14.589 min Scan# 11
Delta R.T. 0.128 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

Instrument :
BNA_N
ClientSampleId :
P-14(10-15)

Tgt Ion:154 Resp: 3672
Ion Ratio Lower Upper
154 100
153 120.7 93.0 139.6
152 62.4 44.2 66.4

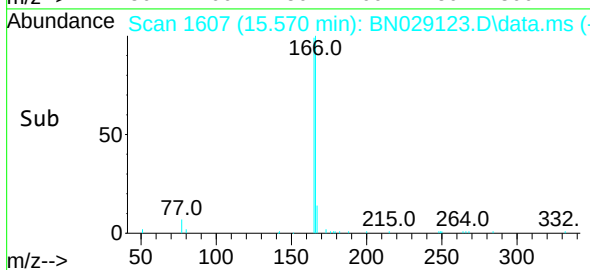
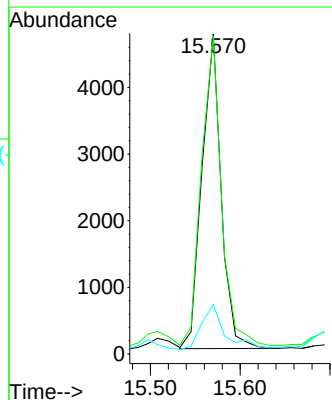
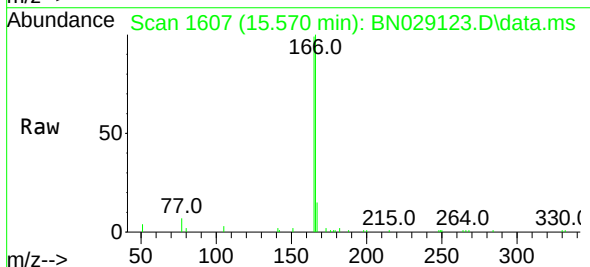
Manual Integrations
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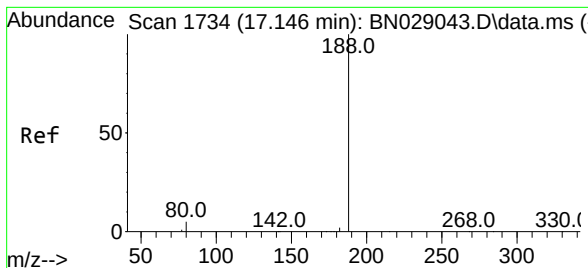
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#18
Fluorene
Concen: 0.480 ng
RT: 15.570 min Scan# 1607
Delta R.T. 0.116 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

Tgt Ion:166 Resp: 7022
Ion Ratio Lower Upper
166 100
165 102.5 80.2 120.4
167 17.5 11.0 16.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.271 min Scan# 11

Delta R.T. 0.124 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

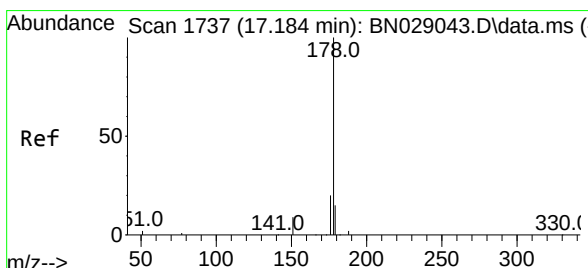
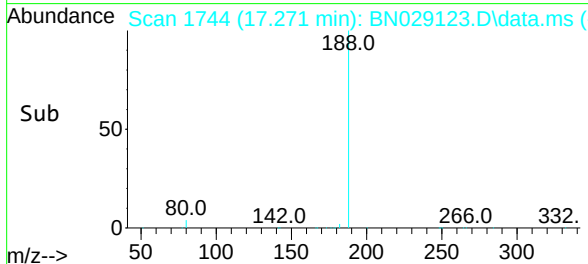
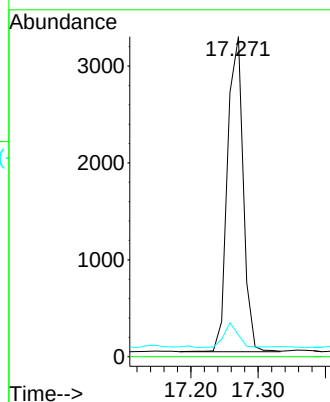
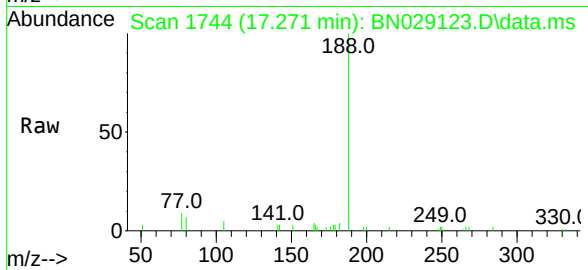
Tgt Ion:188	Resp:	524
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	6.8	5.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/08/2023

Supervised By :mohammad ahmed 12/08/2023



#25

Phenanthrene

Concen: 1.803 ng

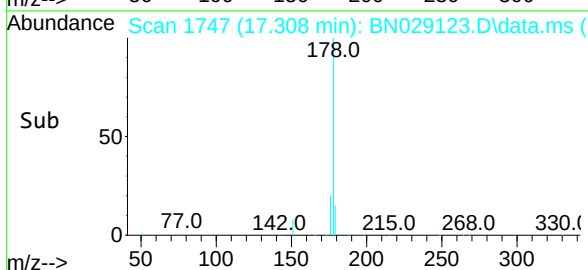
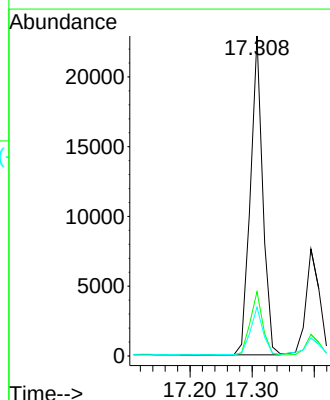
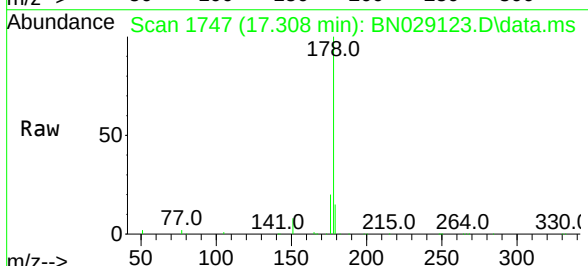
RT: 17.308 min Scan# 1747

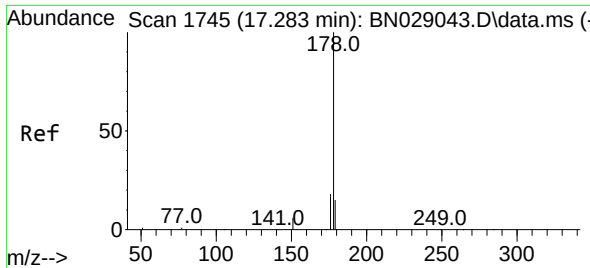
Delta R.T. 0.124 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Tgt Ion:178	Resp:	31586
Ion Ratio	Lower	Upper
178	100	
176	20.1	15.6
179	15.1	12.6





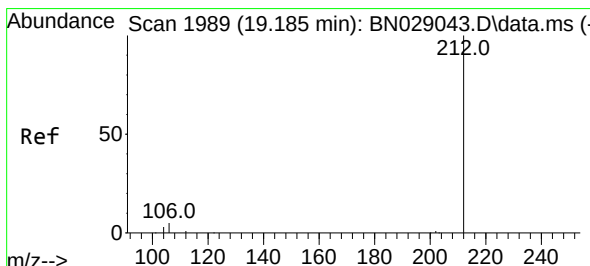
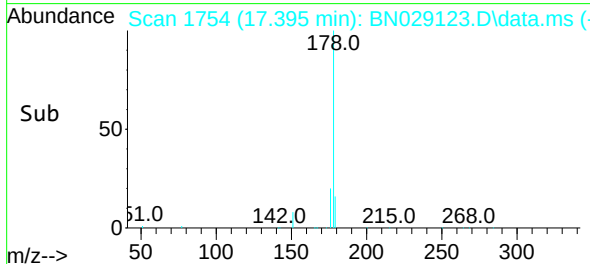
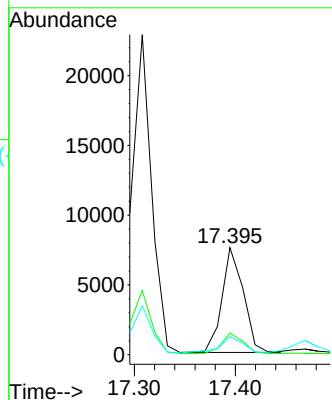
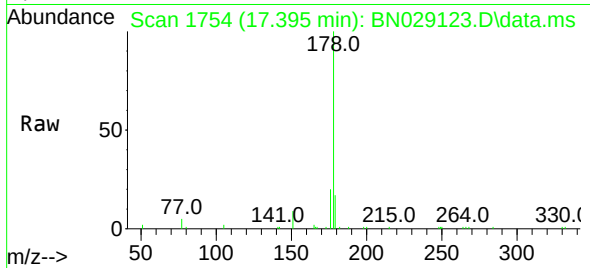
#26
 Anthracene
 Concen: 0.651 ng
 RT: 17.395 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: BN029123.D
 Acq: 08 Dec 2023 11:43

Instrument :
 BNA_N
 ClientSampleId :
 P-14(10-15)

Tgt Ion:178 Resp: 11020
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.0 22.4
 179 17.1 12.6 19.0

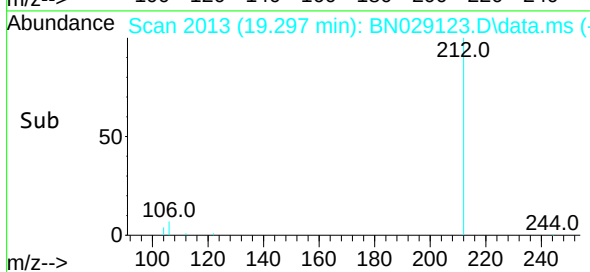
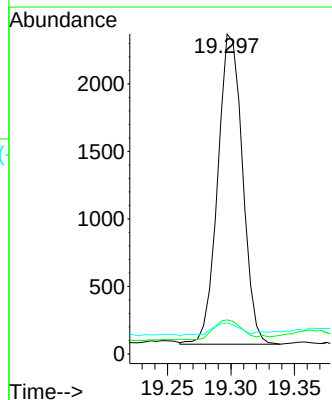
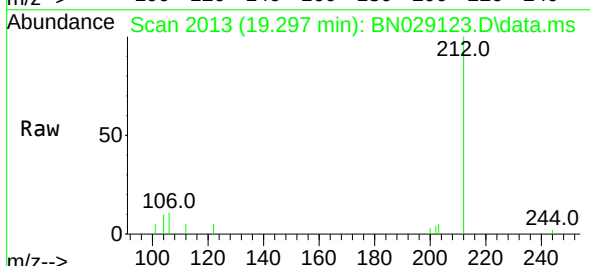
Manual Integrations
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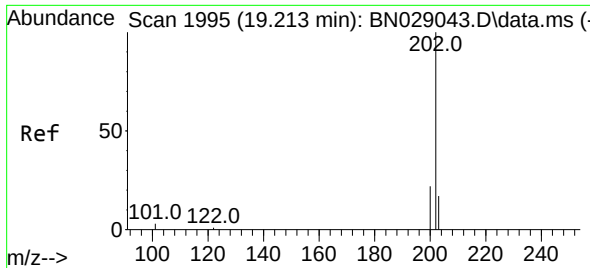
Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023



#27
 Fluoranthene-d10
 Concen: 0.189 ng
 RT: 19.297 min Scan# 2013
 Delta R.T. 0.112 min
 Lab File: BN029123.D
 Acq: 08 Dec 2023 11:43

Tgt Ion:212 Resp: 3125
 Ion Ratio Lower Upper
 212 100
 106 7.2 3.9 5.9#
 104 4.7 2.6 3.8#





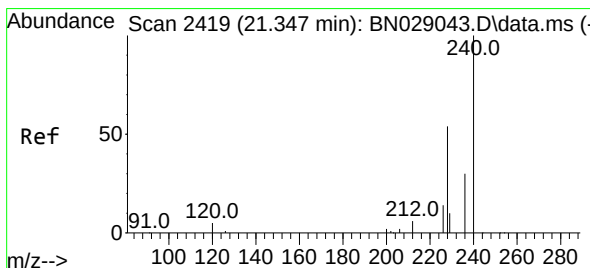
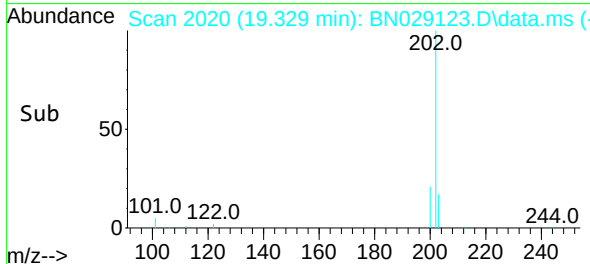
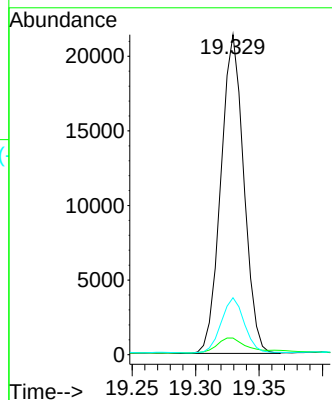
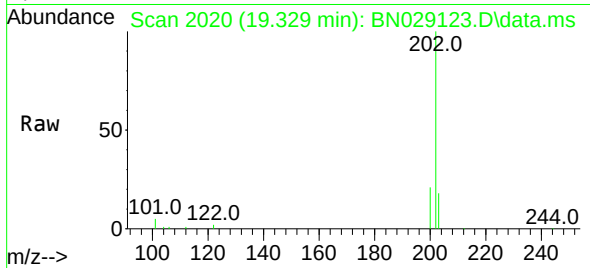
#28
Fluoranthene
Concen: 1.113 ng
RT: 19.329 min Scan# 2020
Delta R.T. 0.116 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

Instrument :
BNA_N
ClientSampleId :
P-14(10-15)

Tgt Ion:202 Resp: 26810
Ion Ratio Lower Upper
202 100
101 7.1 3.0 4.6
203 17.6 13.8 20.6

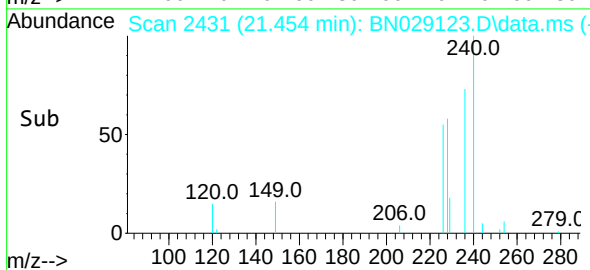
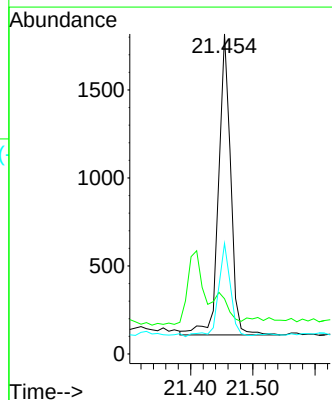
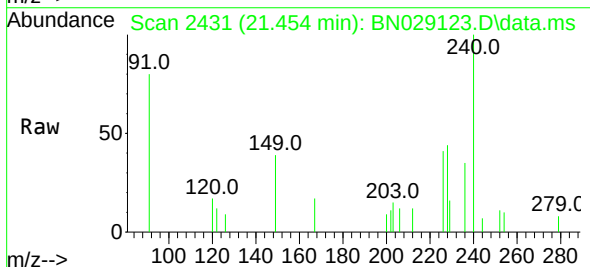
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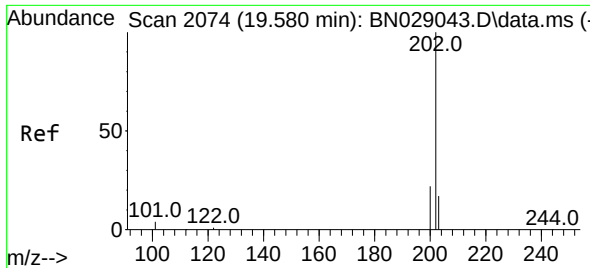
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.454 min Scan# 2431
Delta R.T. 0.108 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

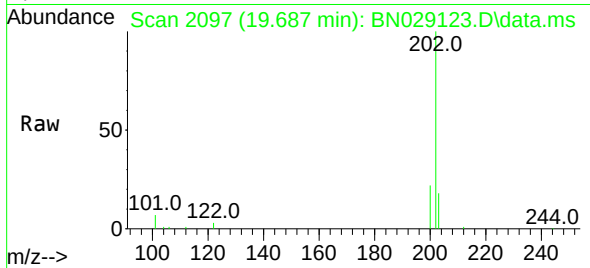
Tgt Ion:240 Resp: 2316
Ion Ratio Lower Upper
240 100
120 17.2 6.7 10.1
236 34.5 25.7 38.5





#30
Pyrene
Concen: 1.815 ng
RT: 19.687 min Scan# 2074
Delta R.T. 0.107 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

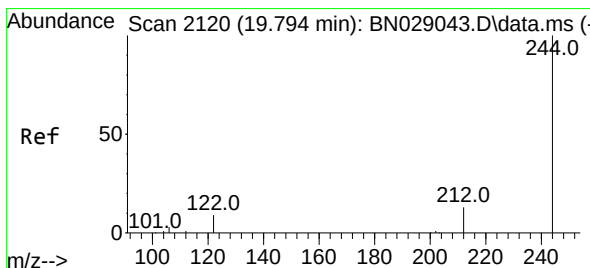
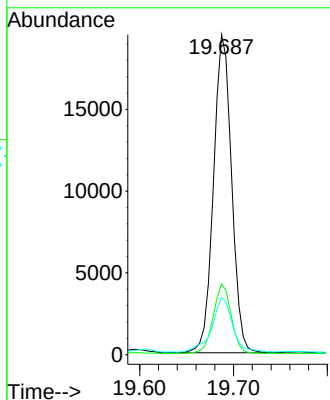
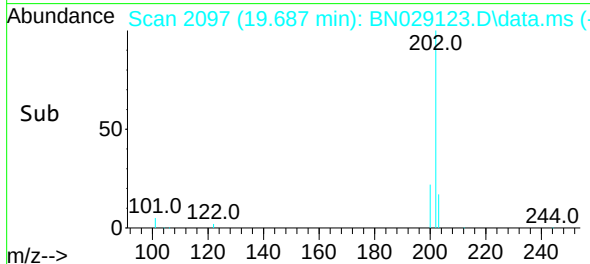
Instrument :
BNA_N
ClientSampleId :
P-14(10-15)



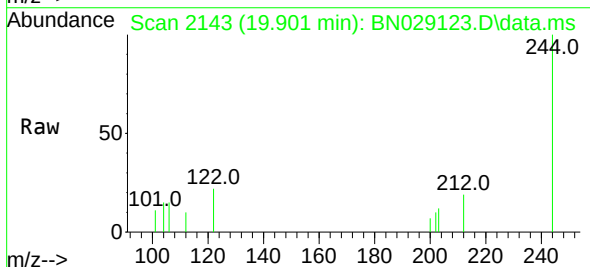
Tgt Ion:202 Resp: 26064
Ion Ratio Lower Upper
202 100
200 21.8 17.0 25.6
203 19.4 14.2 21.4

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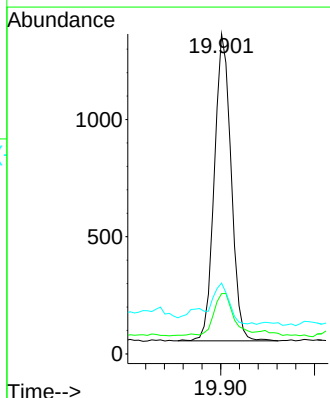
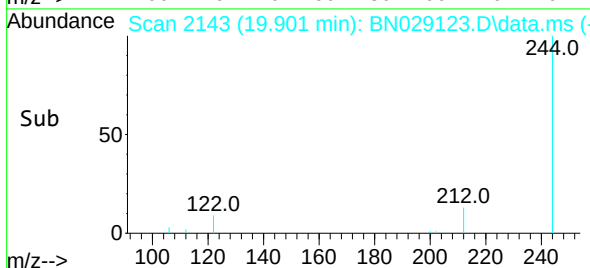
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

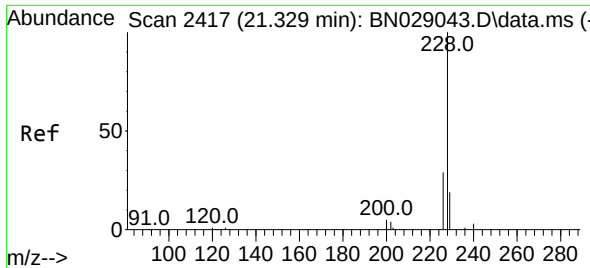


#31
Terphenyl-d14
Concen: 0.277 ng
RT: 19.901 min Scan# 2143
Delta R.T. 0.107 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43



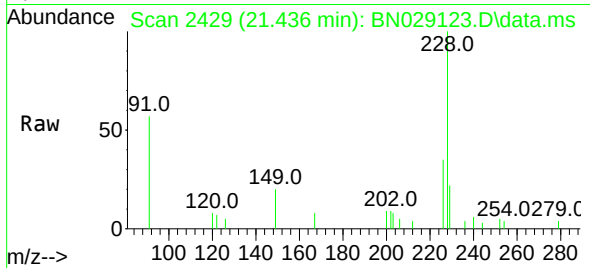
Tgt Ion:244 Resp: 1622
Ion Ratio Lower Upper
244 100
212 18.8 11.6 17.4#
122 22.1 8.2 12.4#





#32
Benzo(a)anthracene
Concen: 0.442 ng
RT: 21.436 min Scan# 2417
Delta R.T. 0.108 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

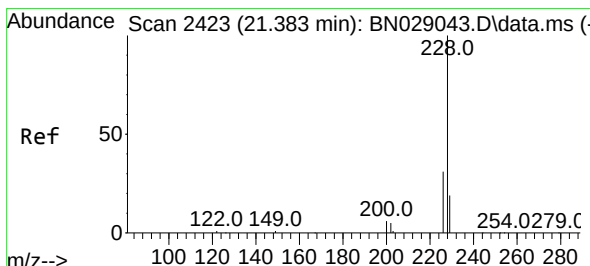
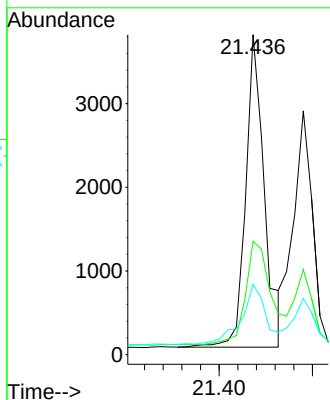
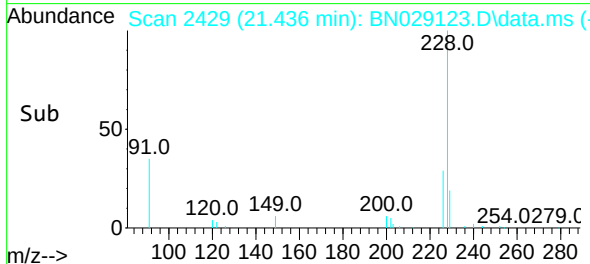
Instrument :
BNA_N
ClientSampleId :
P-14(10-15)



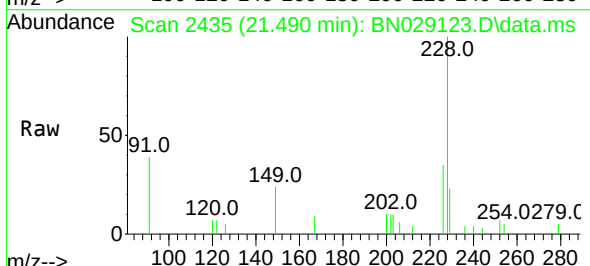
Tgt Ion:228 Resp: 519
Ion Ratio Lower Upper
228 100
226 35.4 23.8 35.6
229 22.0 16.0 24.0

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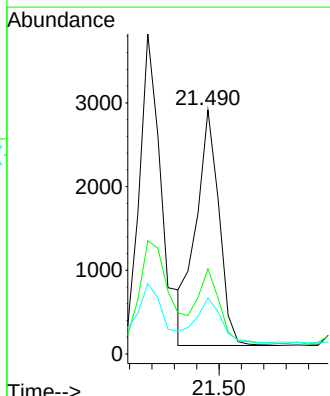
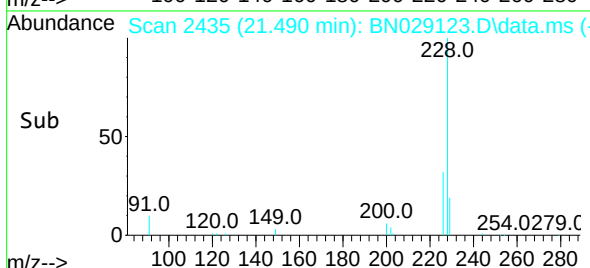
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

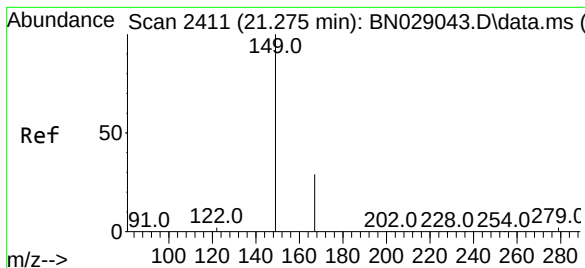


#33
Chrysene
Concen: 0.348 ng
RT: 21.490 min Scan# 2435
Delta R.T. 0.108 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43



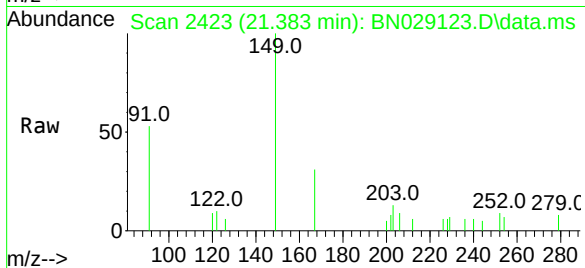
Tgt Ion:228 Resp: 4020
Ion Ratio Lower Upper
228 100
226 34.9 25.4 38.0
229 23.0 16.0 24.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.398 ng
RT: 21.383 min Scan# 2411
Delta R.T. 0.108 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

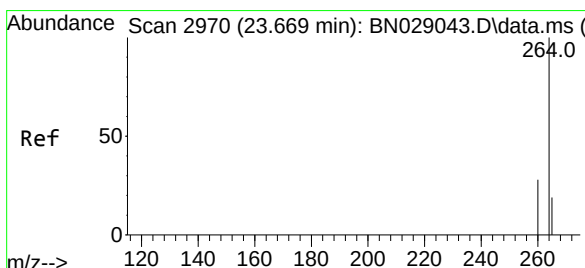
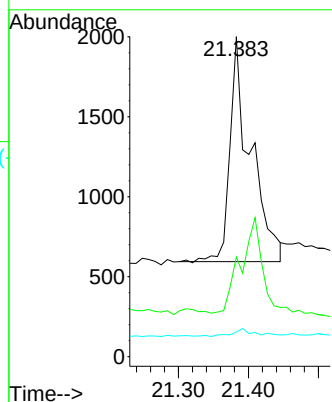
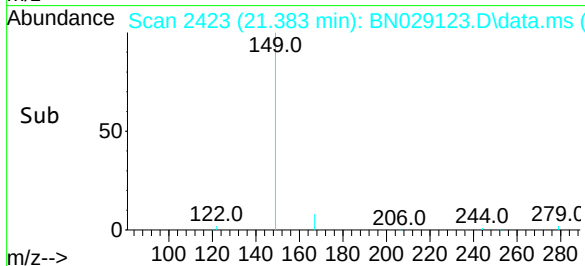
Instrument :
BNA_N
ClientSampleId :
P-14(10-15)



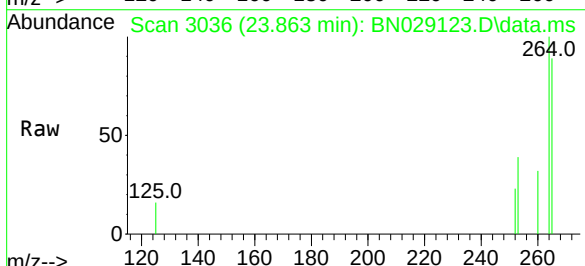
Tgt Ion:149 Resp: 2884
Ion Ratio Lower Upper
149 100
167 0.0 23.4 35.2
279 3.3 3.4 5.2

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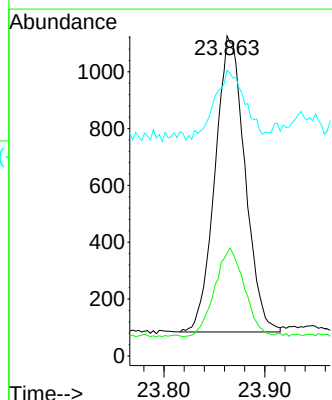
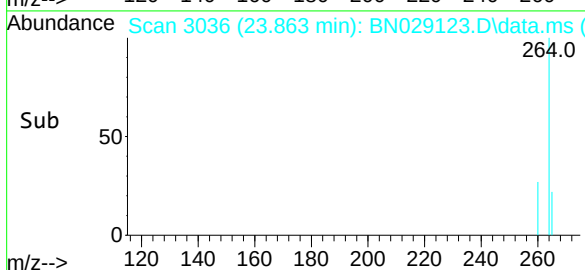
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

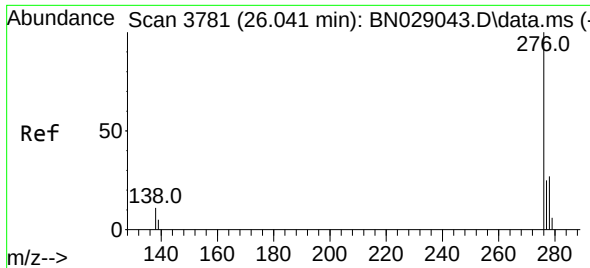


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.863 min Scan# 3036
Delta R.T. 0.193 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43



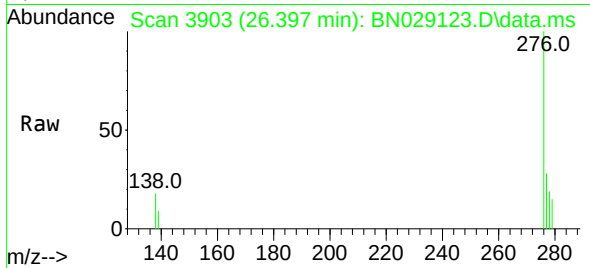
Tgt Ion:264 Resp: 2150
Ion Ratio Lower Upper
264 100
260 32.1 23.9 35.9
265 89.3 52.7 79.1





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.448 ng m
RT: 26.397 min Scan# 3903
Delta R.T. 0.357 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

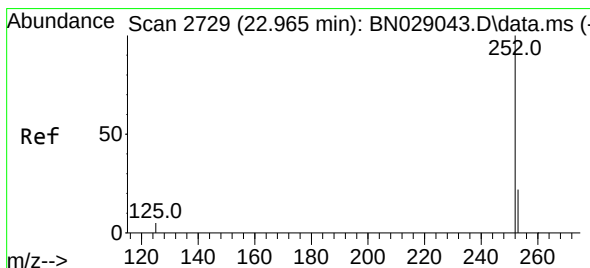
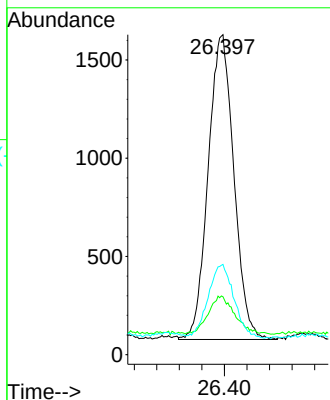
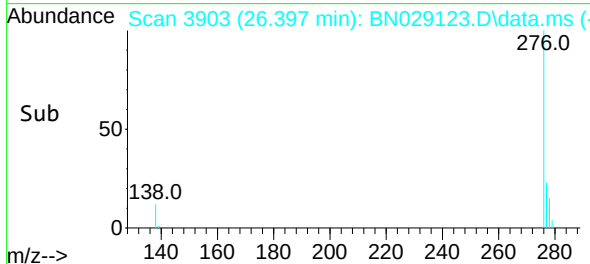
Instrument :
BNA_N
ClientSampleId :
P-14(10-15)



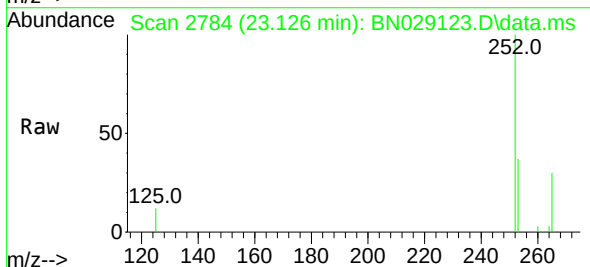
Tgt Ion:276 Resp: 4910
Ion Ratio Lower Upper
276 100
138 0.0 9.6 14.4#
277 0.0 19.4 29.0#

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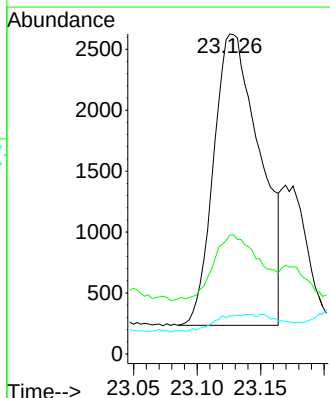
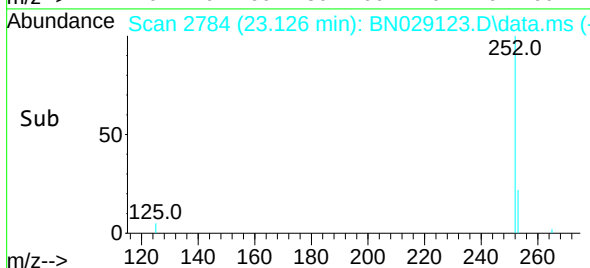
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

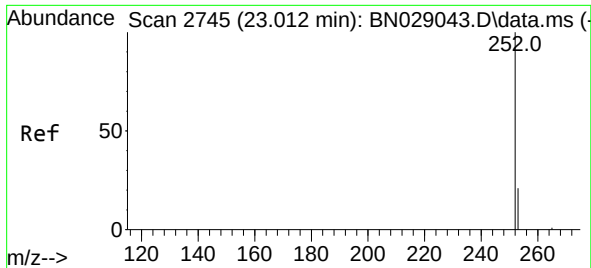


#37
Benzo(b)fluoranthene
Concen: 0.526 ng
RT: 23.126 min Scan# 2784
Delta R.T. 0.161 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43



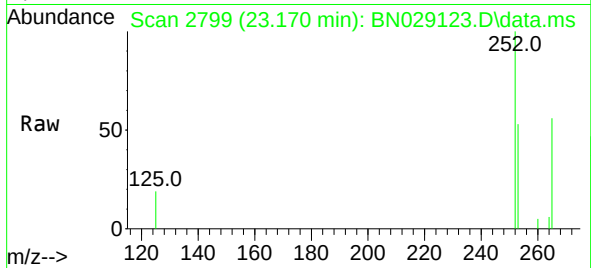
Tgt Ion:252 Resp: 6072
Ion Ratio Lower Upper
252 100
253 37.2 23.0 34.6#
125 12.0 5.4 8.0#





#38
Benzo(k)fluoranthene
Concen: 0.186 ng m
RT: 23.170 min Scan# 21
Delta R.T. 0.158 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

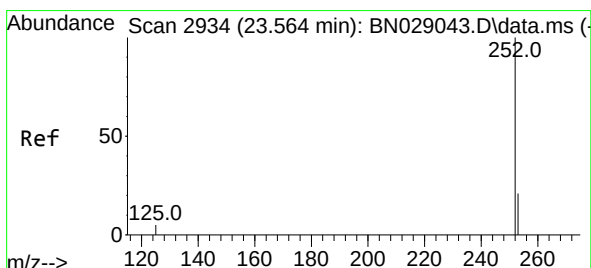
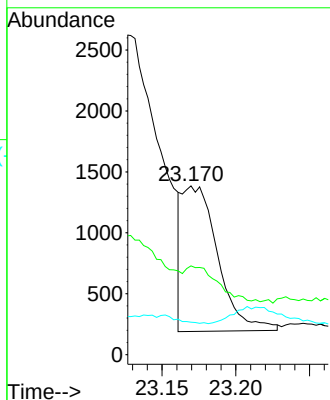
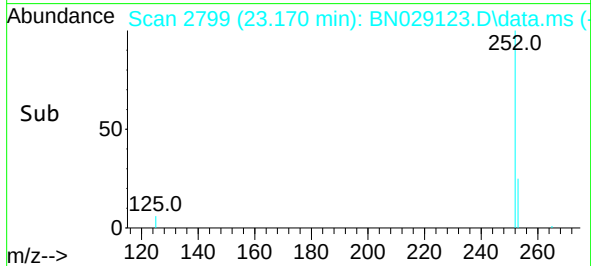
Instrument :
BNA_N
ClientSampleId :
P-14(10-15)



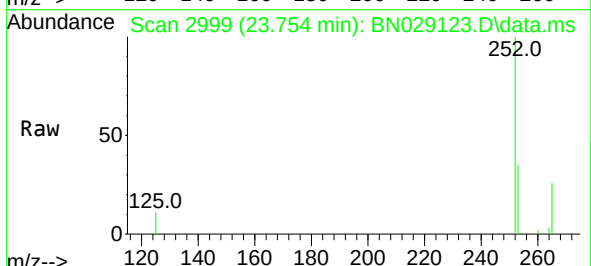
Tgt Ion:252 Resp: 2000
Ion Ratio Lower Upper
252 100
253 52.6 23.0 34.4
125 19.2 5.0 7.6

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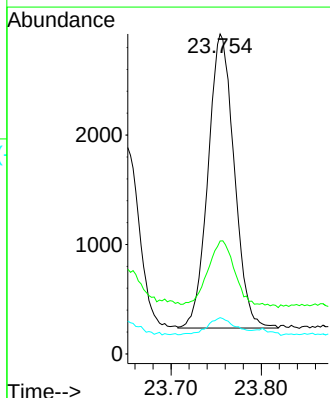
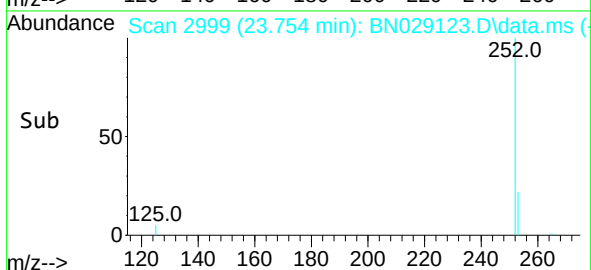
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

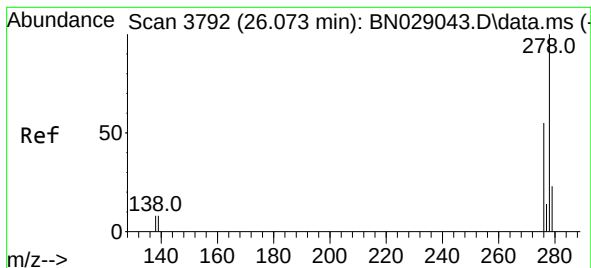


#39
Benzo(a)pyrene
Concen: 0.565 ng
RT: 23.754 min Scan# 2999
Delta R.T. 0.190 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43



Tgt Ion:252 Resp: 5398
Ion Ratio Lower Upper
252 100
253 35.3 25.3 37.9
125 11.3 6.5 9.7





#40

Dibenzo(a,h)anthracene

Concen: 0.130 ng m

RT: 26.415 min Scan# 3909

Delta R.T. 0.342 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

Tgt Ion:278 Resp: 109

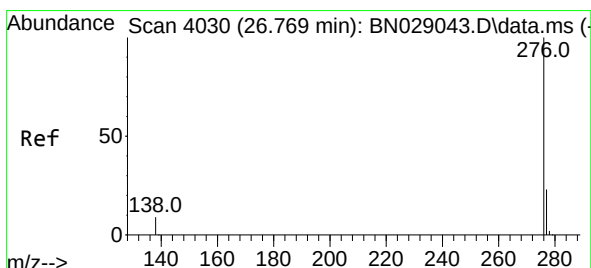
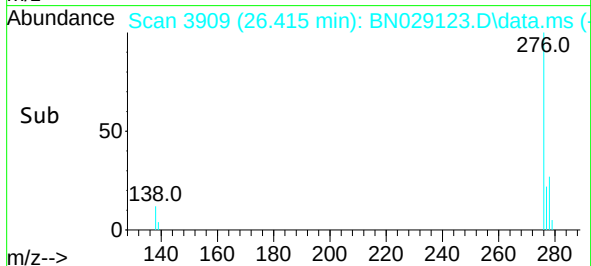
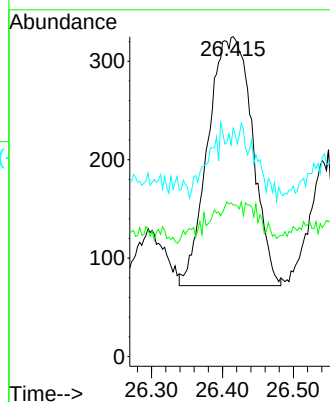
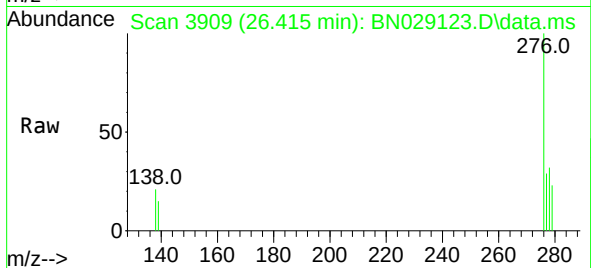
Ion	Ratio	Lower	Upper
278	100		
139	47.4	9.4	14.2
279	71.4	24.2	36.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/08/2023

Supervised By :mohammad ahmed 12/08/2023



#41

Benzo(g,h,i)perylene

Concen: 0.542 ng

RT: 27.178 min Scan# 4170

Delta R.T. 0.409 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Tgt Ion:276 Resp: 5014

Ion	Ratio	Lower	Upper
276	100		
277	27.2	20.3	30.5
138	18.1	9.2	13.8

