

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029121.D
 Acq On : 08 Dec 2023 10:30
 Operator : MA/JU
 Sample : 05366-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)

Quant Time: Dec 08 11:37:46 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	1788	0.400	ng	0.06
7) Naphthalene-d8	10.626	136	3624	0.400	ng	0.06
13) Acenaphthene-d10	14.460	164	2900m	0.400	ng	0.06
19) Phenanthrene-d10	17.208	188	4711	0.400	ng	# 0.06
29) Chrysene-d12	21.401	240	2199	0.400	ng	# 0.05
35) Perylene-d12	23.766	264	2122	0.400	ng	# 0.10
System Monitoring Compounds						
4) 2-Fluorophenol	5.442	112	930	0.230	ng	0.05
5) Phenol-d6	7.045	99	1056	0.218	ng	0.07
8) Nitrobenzene-d5	9.014	82	883	0.202	ng	0.07
11) 2-Methylnaphthalene-d10	12.216	152	1345	0.177	ng	0.07
14) 2,4,6-Tribromophenol	15.955	330	370	0.116	ng	0.06
15) 2-Fluorobiphenyl	13.092	172	2398	0.160	ng	0.06
27) Fluoranthene-d10	19.241	212	2123	0.143	ng	0.06
31) Terphenyl-d14	19.850	244	1118	0.201	ng	0.06
Target Compounds						Qvalue
9) Naphthalene	10.680	128	56682	5.014	ng	95
12) 2-Methylnaphthalene	12.287	142	17731	1.929	ng	99
16) Acenaphthylene	14.182	152	18438	1.155	ng	# 86
17) Acenaphthene	14.524	154	26165	2.613	ng	95
18) Fluorene	15.508	166	31066	1.944	ng	95
25) Phenanthrene	17.246	178	244484	15.546	ng	99
26) Anthracene	17.333	178	48193	3.170	ng	98
28) Fluoranthene	19.269	202	88944	4.114	ng	# 98
30) Pyrene	19.636	202	135395	9.932	ng	98
32) Benzo(a)anthracene	21.383	228	37859	3.394	ng	95
33) Chrysene	21.436	228	33338	3.038	ng	99
34) Bis(2-ethylhexyl)phtha...	21.329	149	1732	0.252	ng	96
36) Indeno(1,2,3-cd)pyrene	26.201	276	14569	1.346	ng	98
37) Benzo(b)fluoranthene	23.047	252	27093m	2.378	ng	
38) Benzo(k)fluoranthene	23.076	252	10445m	0.978	ng	
39) Benzo(a)pyrene	23.658	252	28959	3.072	ng	# 90
40) Dibenzo(a,h)anthracene	26.219	278	4223	0.506	ng	# 78
41) Benzo(g,h,i)perylene	26.962	276	16873	1.848	ng	# 96

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

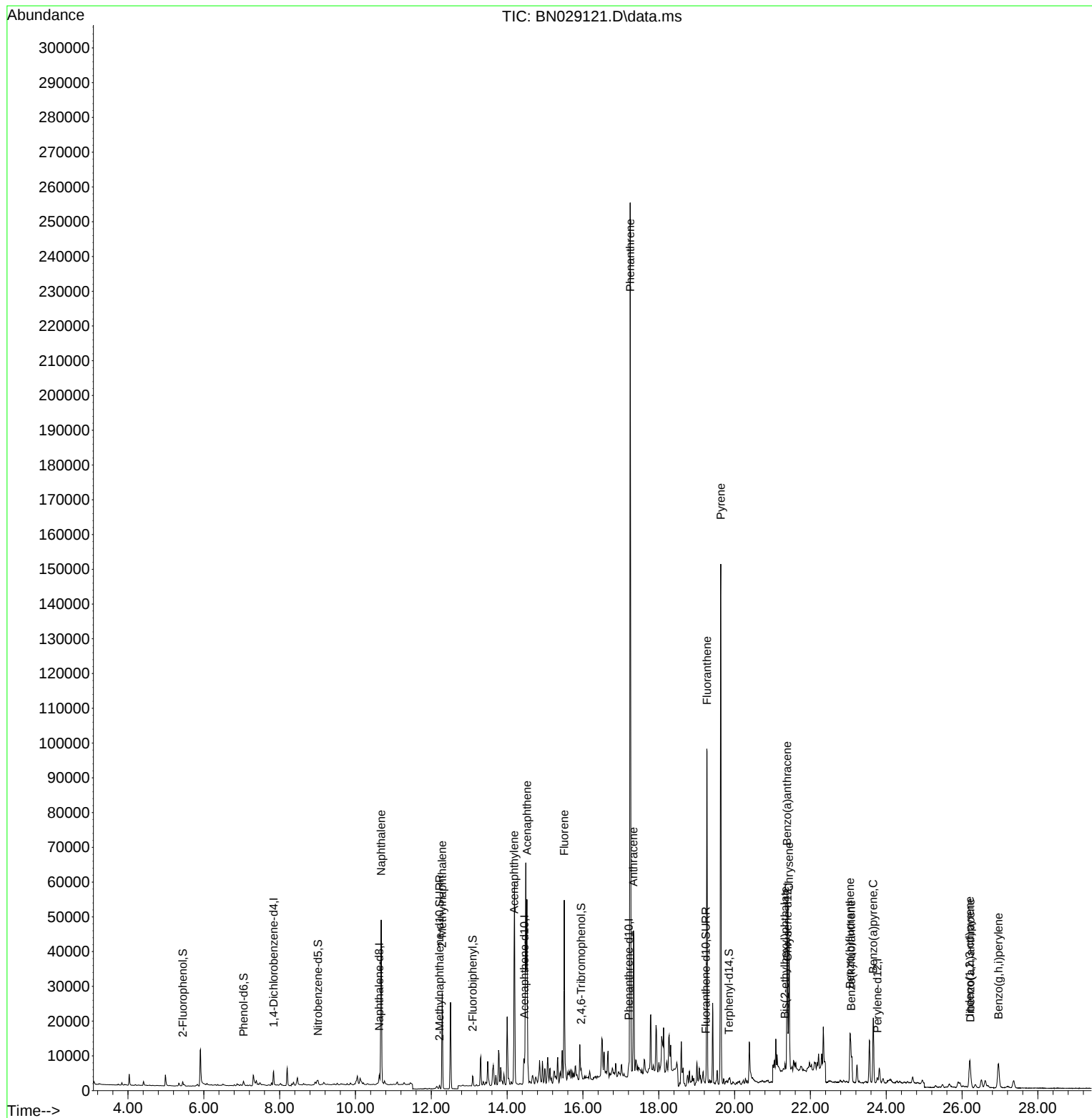
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
Data File : BN029121.D
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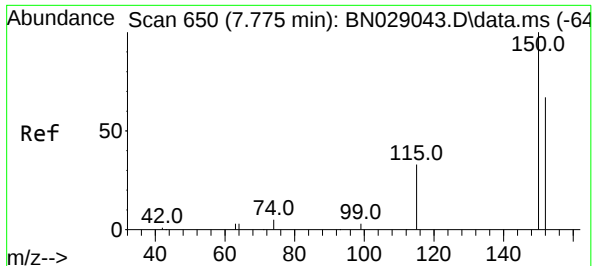
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)

Quant Time: Dec 08 11:37:46 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
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Manual Integrations
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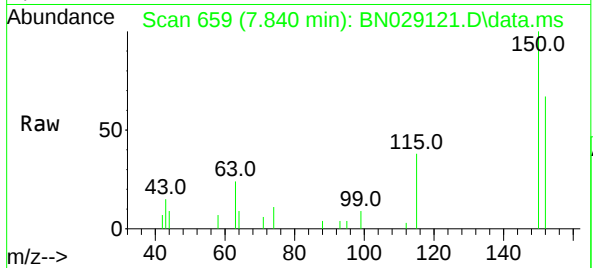
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 61
Delta R.T. 0.065 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

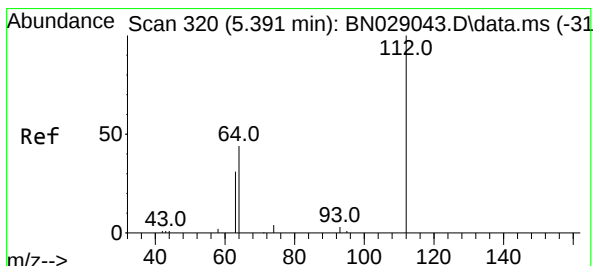
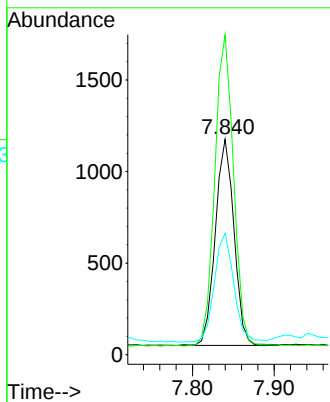
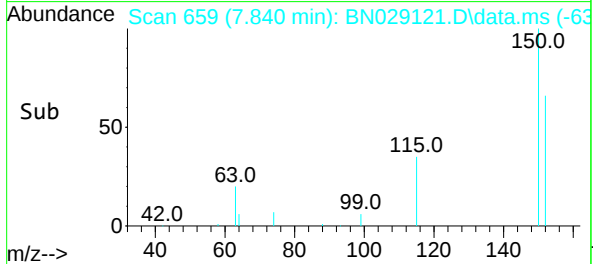
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)



Tgt Ion:152 Resp: 178
Ion Ratio Lower Upper
152 100
150 148.6 116.2 174.4
115 56.4 45.1 67.7

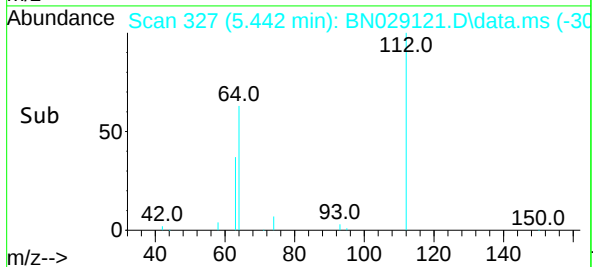
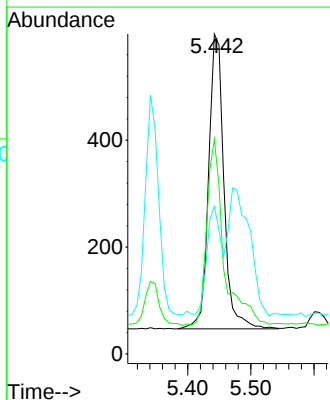
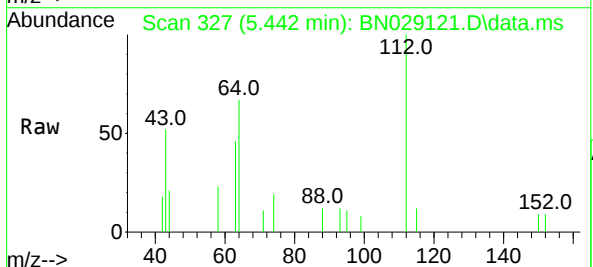
Manual Integrations
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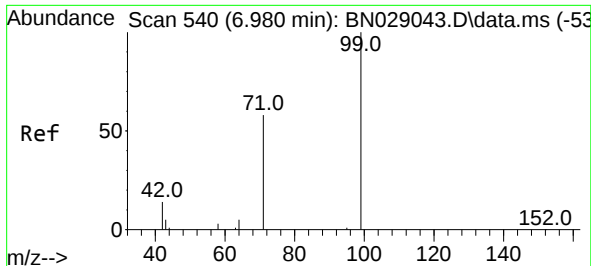
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#4
2-Fluorophenol
Concen: 0.230 ng
RT: 5.442 min Scan# 327
Delta R.T. 0.051 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

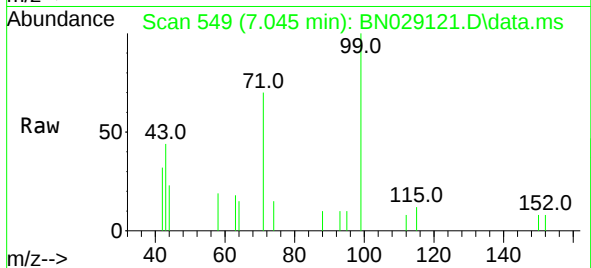
Tgt Ion:112 Resp: 930
Ion Ratio Lower Upper
112 100
64 71.3 37.0 55.6#
63 35.4 29.0 43.6





#5
Phenol-d6
Concen: 0.218 ng
RT: 7.045 min Scan# 540
Delta R.T. 0.065 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

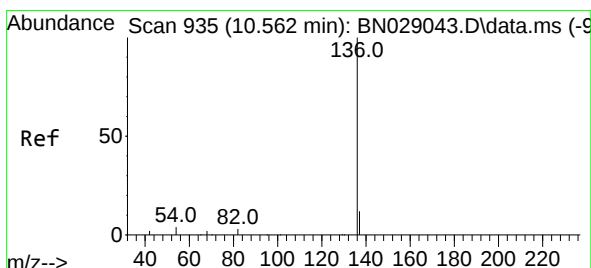
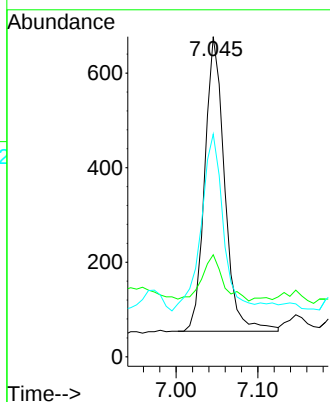
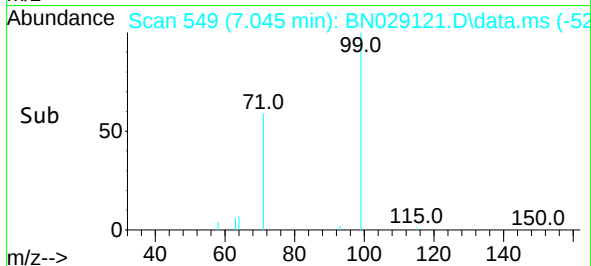
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)



Tgt Ion: 99 Resp: 1050
Ion Ratio Lower Upper
99 100
42 16.6 13.4 20.2
71 66.7 47.8 71.6

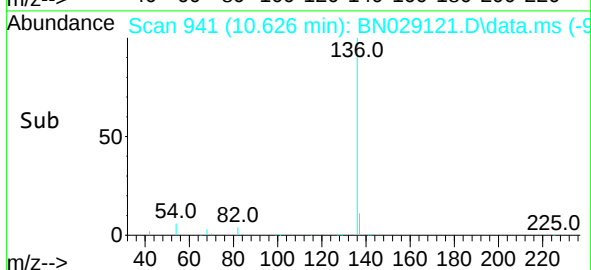
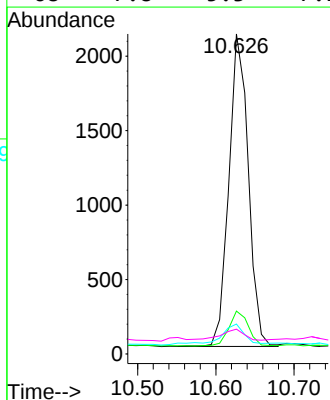
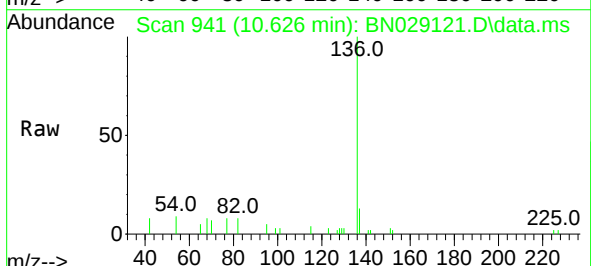
Manual Integrations
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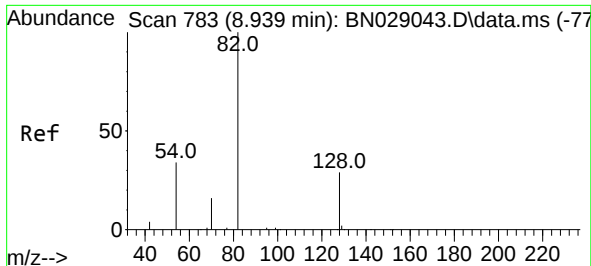
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.064 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Tgt Ion:136 Resp: 3624
Ion Ratio Lower Upper
136 100
137 13.4 11.9 17.9
54 9.4 6.4 9.6
68 7.8 5.3 7.9





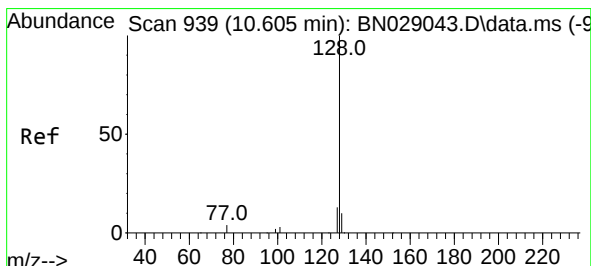
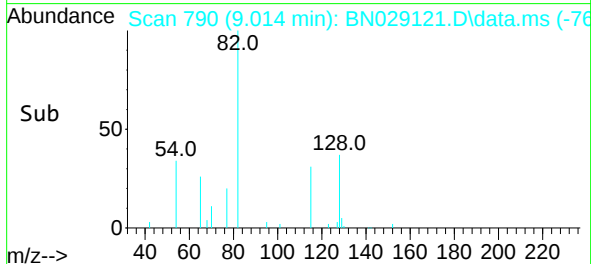
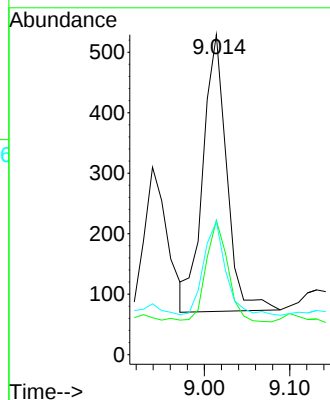
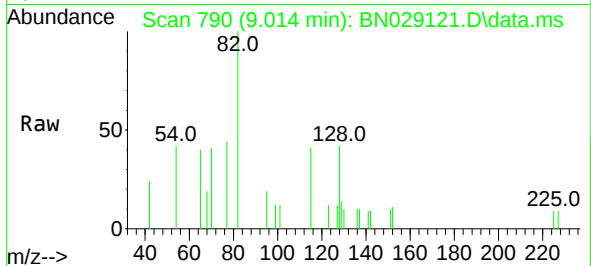
#8
Nitrobenzene-d5
Concen: 0.202 ng
RT: 9.014 min Scan# 790
Delta R.T. 0.075 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Instrument :
BNA_N
ClientSampleId :
P-13(10-15)

Tgt Ion: 82 Resp: 88
Ion Ratio Lower Upper
82 100
128 42.0 28.2 42.4
54 41.6 32.1 48.1

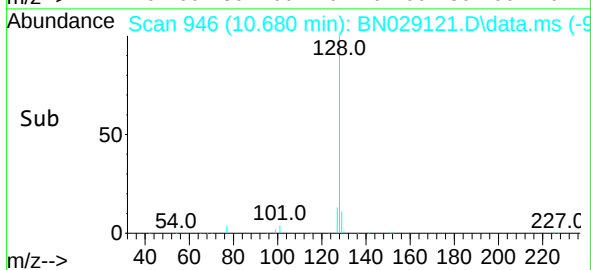
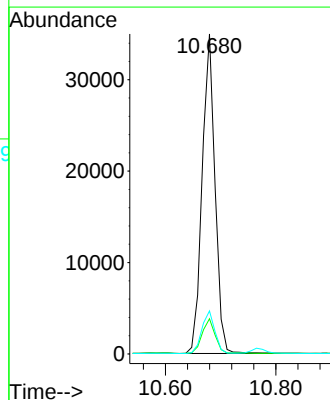
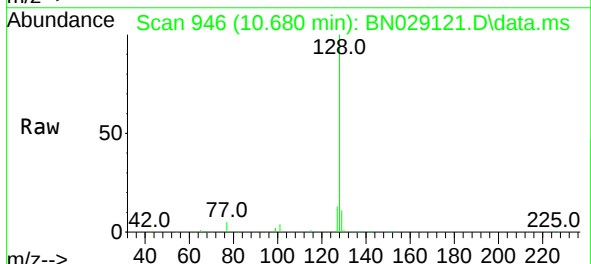
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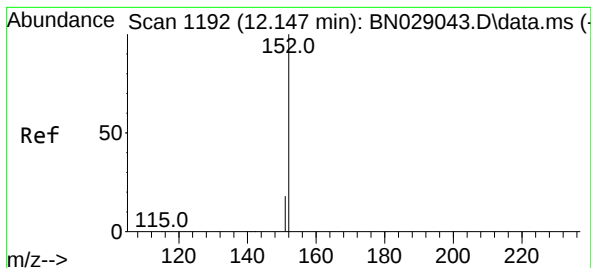
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#9
Naphthalene
Concen: 5.014 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.075 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Tgt Ion:128 Resp: 56682
Ion Ratio Lower Upper
128 100
129 11.0 10.5 15.7
127 13.4 12.5 18.7





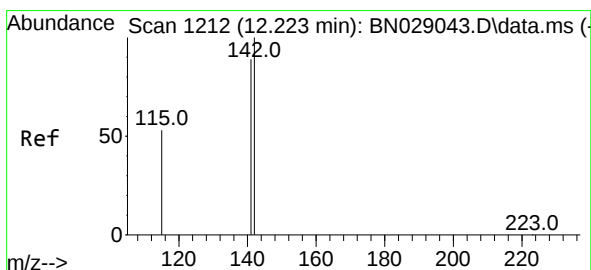
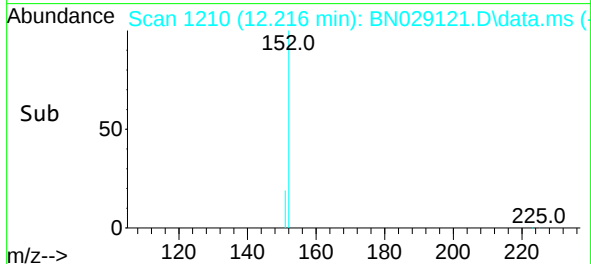
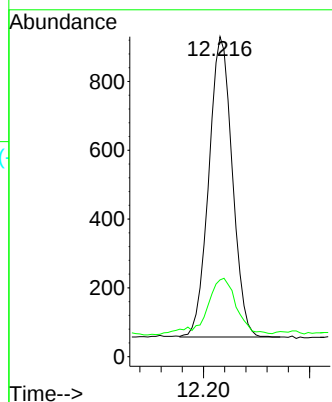
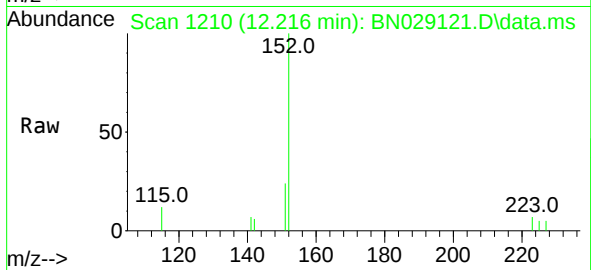
#11
2-Methylnaphthalene-d10
Concen: 0.177 ng
RT: 12.216 min Scan# 1192
Delta R.T. 0.068 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Instrument :
BNA_N
ClientSampleId :
P-13(10-15)

Tgt Ion:152 Resp: 1345
Ion Ratio Lower Upper
152 100
151 24.4 17.4 26.0

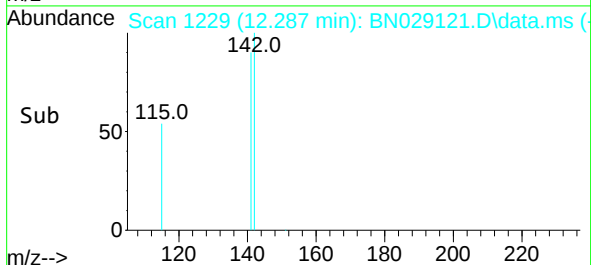
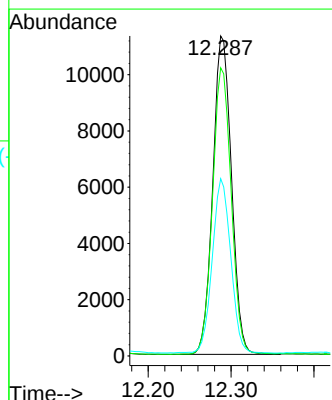
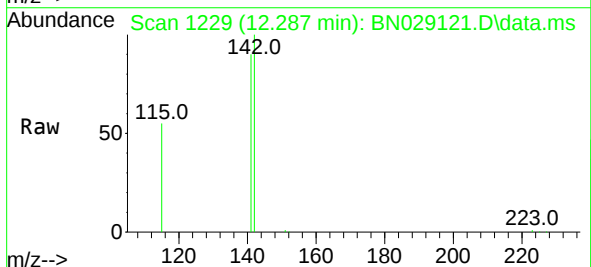
Manual Integrations
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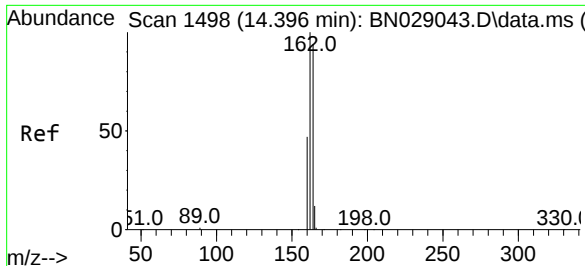
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#12
2-Methylnaphthalene
Concen: 1.929 ng
RT: 12.287 min Scan# 1229
Delta R.T. 0.064 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

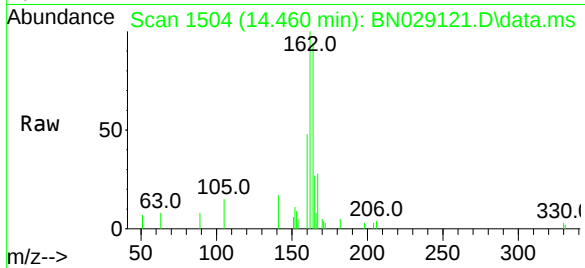
Tgt Ion:142 Resp: 17731
Ion Ratio Lower Upper
142 100
141 90.1 71.1 106.7
115 55.4 44.6 66.8





#13
Acenaphthene-d10
Concen: 0.400 ng m
RT: 14.460 min Scan# 1498
Delta R.T. 0.064 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

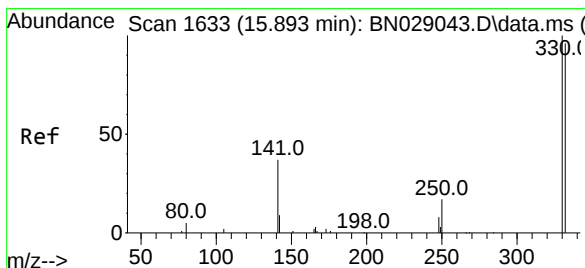
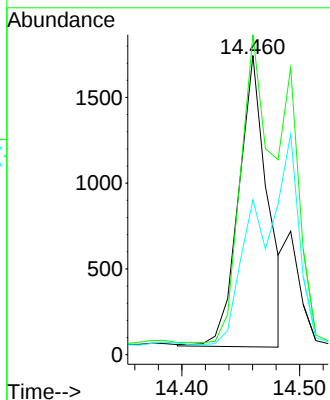
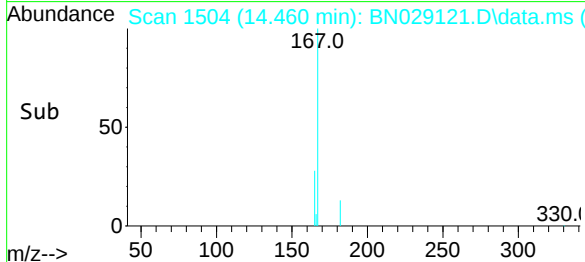
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)



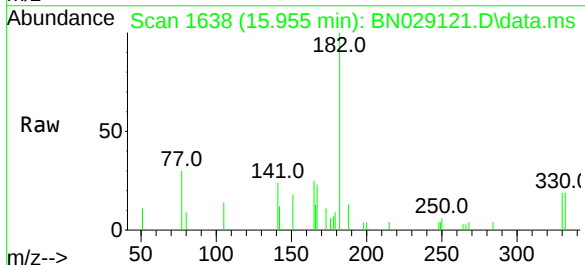
Tgt Ion:164 Resp: 2900
Ion Ratio Lower Upper
164 100
162 106.9 85.0 127.6
160 51.7 41.3 61.9

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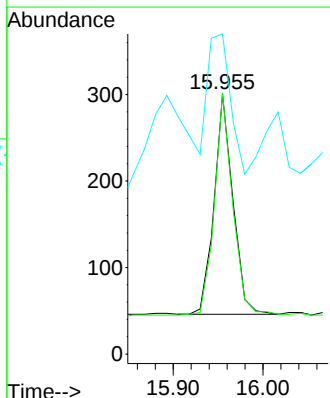
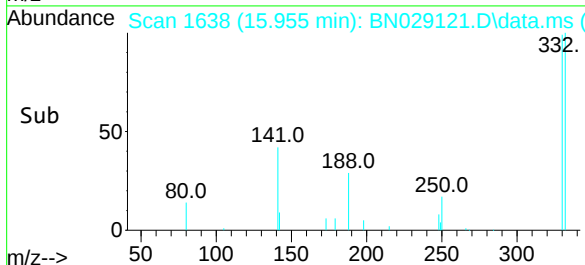
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

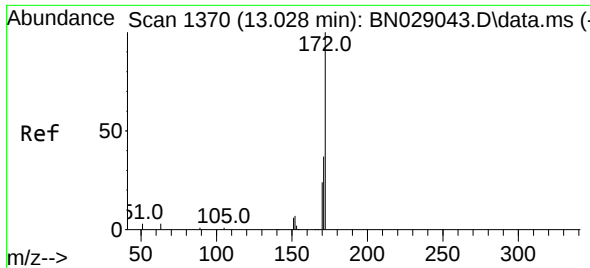


#14
2,4,6-Tribromophenol
Concen: 0.116 ng
RT: 15.955 min Scan# 1638
Delta R.T. 0.062 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30



Tgt Ion:330 Resp: 370
Ion Ratio Lower Upper
330 100
332 98.6 78.8 118.2
141 75.9 28.7 43.1#





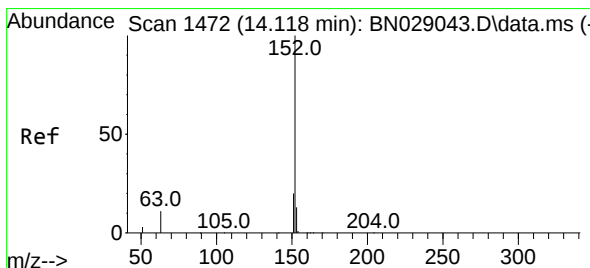
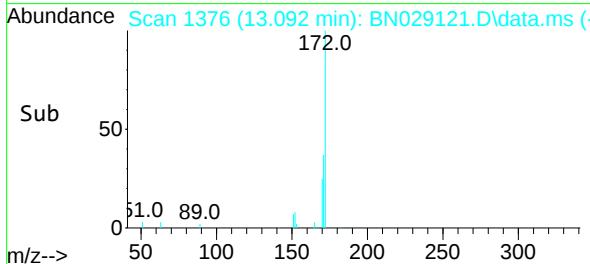
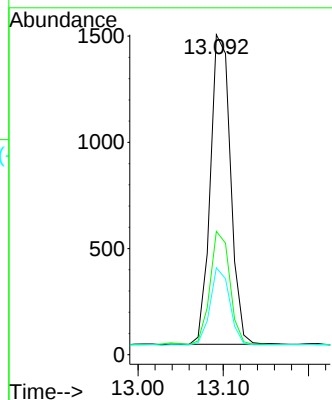
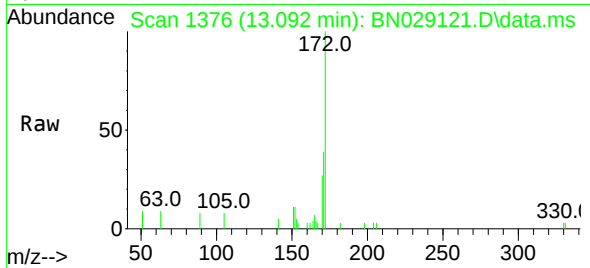
#15
2-Fluorobiphenyl
Concen: 0.160 ng
RT: 13.092 min Scan# 11
Delta R.T. 0.064 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Instrument :
BNA_N
ClientSampleId :
P-13(10-15)

Tgt Ion:172 Resp: 2398
Ion Ratio Lower Upper
172 100
171 38.6 30.1 45.1
170 27.1 20.3 30.5

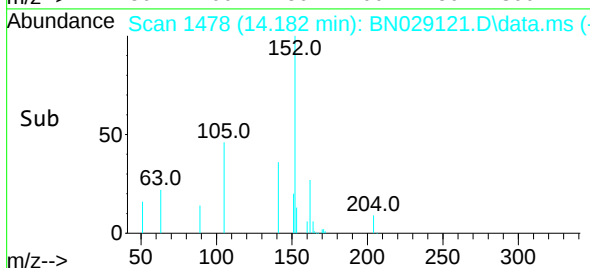
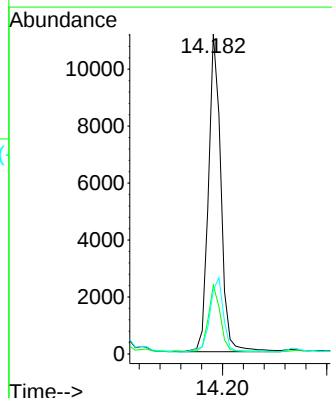
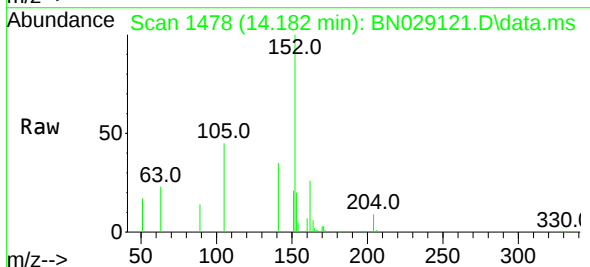
Manual Integrations
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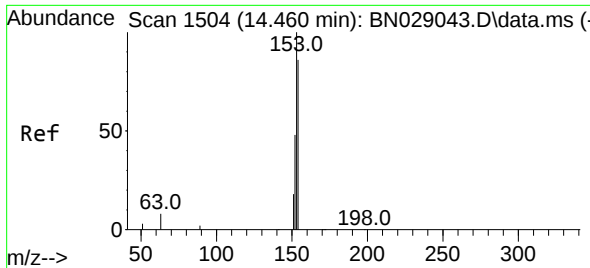
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#16
Acenaphthylene
Concen: 1.155 ng
RT: 14.182 min Scan# 1478
Delta R.T. 0.064 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

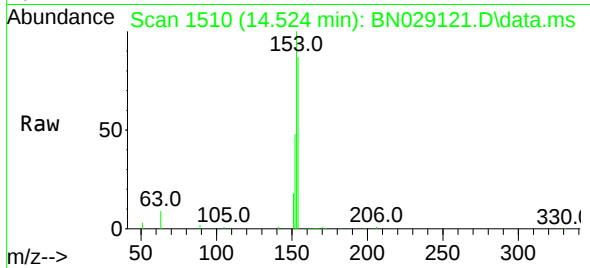
Tgt Ion:152 Resp: 18438
Ion Ratio Lower Upper
152 100
151 20.6 15.8 23.6
153 25.6 10.3 15.5#





#17
Acenaphthene
Concen: 2.613 ng
RT: 14.524 min Scan# 11
Delta R.T. 0.064 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

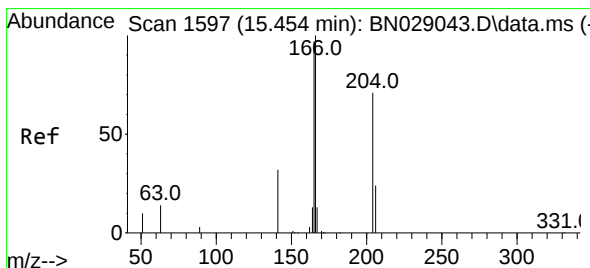
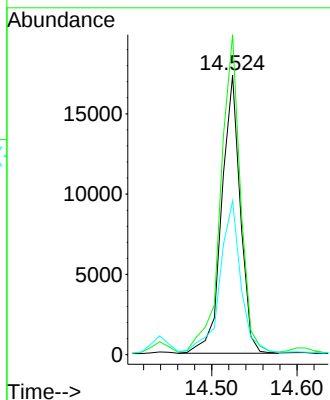
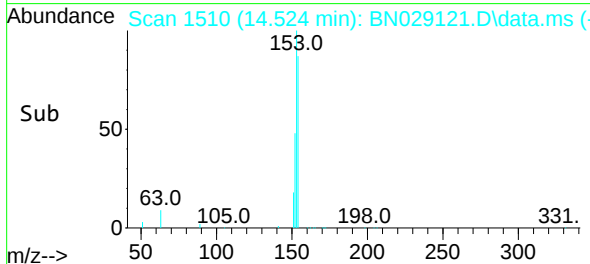
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)



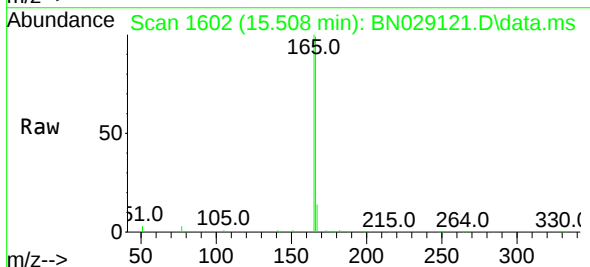
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Ion Ratio Lower Upper
154 100
153 120.0 93.0 139.6
152 61.6 44.2 66.4

Manual Integrations
APPROVED

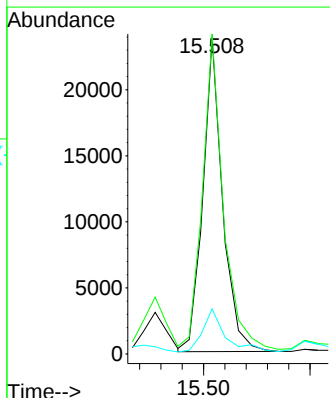
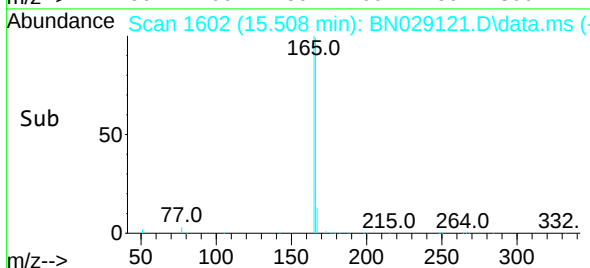
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

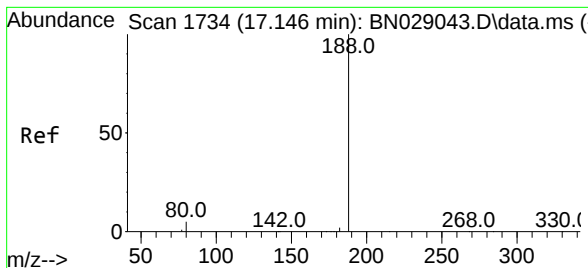


#18
Fluorene
Concen: 1.944 ng
RT: 15.508 min Scan# 1602
Delta R.T. 0.054 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30



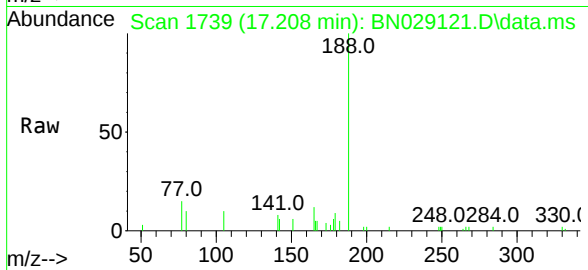
Tgt Ion:166 Resp: 31066
Ion Ratio Lower Upper
166 100
165 104.9 80.2 120.4
167 15.6 11.0 16.4





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.208 min Scan# 1742
Delta R.T. 0.062 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

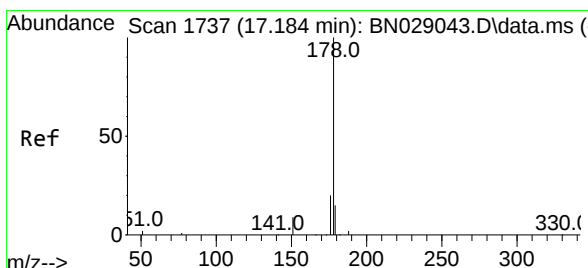
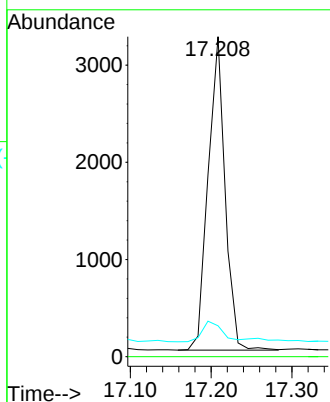
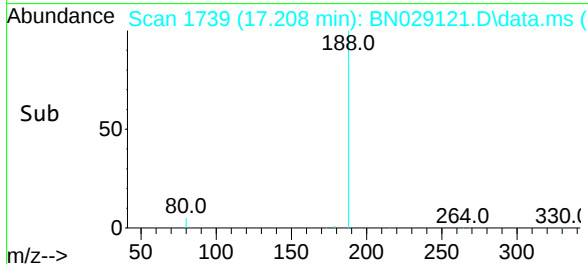
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)



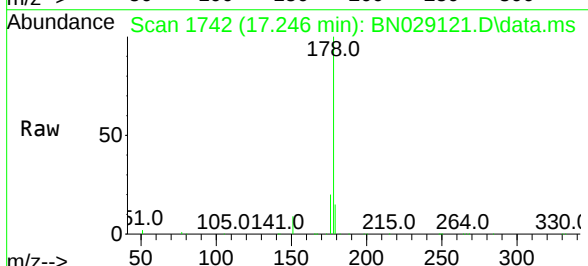
Tgt Ion:188 Resp: 4711
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.7 5.4 8.0

Manual Integrations
APPROVED

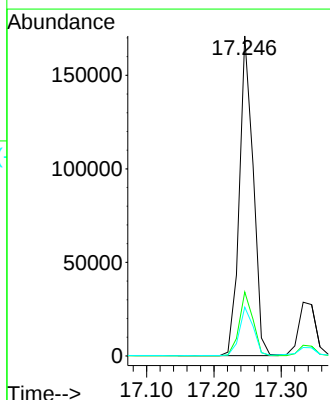
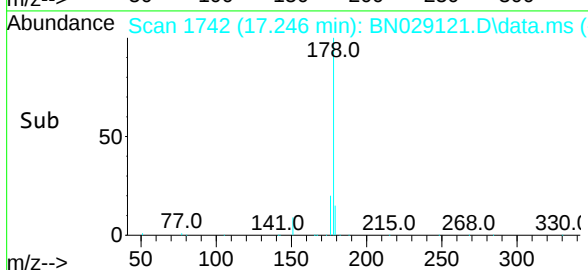
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

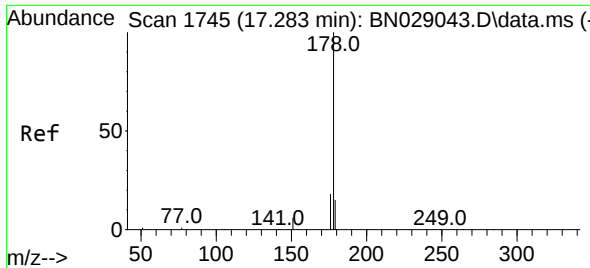


#25
Phenanthrene
Concen: 15.546 ng
RT: 17.246 min Scan# 1742
Delta R.T. 0.062 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30



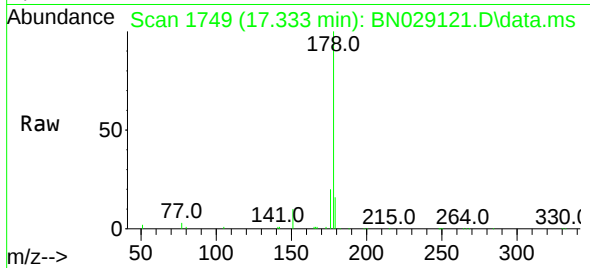
Tgt Ion:178 Resp: 244484
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.4 12.6 18.8





#26
 Anthracene
 Concen: 3.170 ng
 RT: 17.333 min Scan# 11
 Delta R.T. 0.050 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

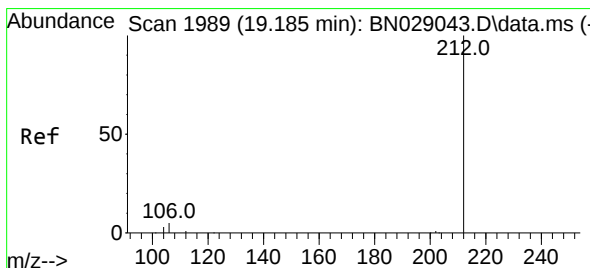
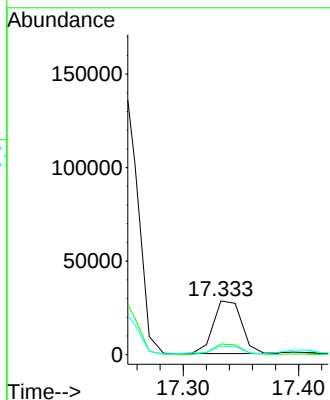
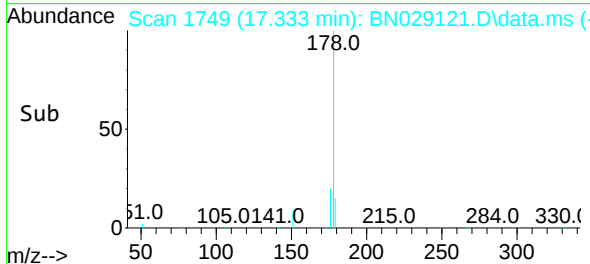
Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)



Tgt Ion:178 Resp: 4819
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.4
 179 14.5 12.6 19.0

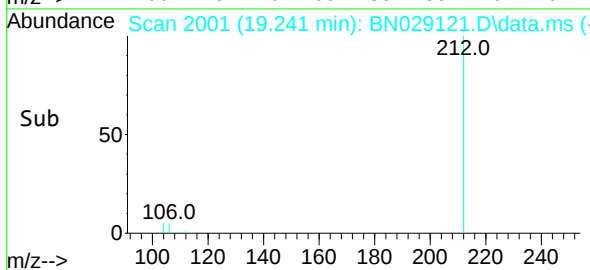
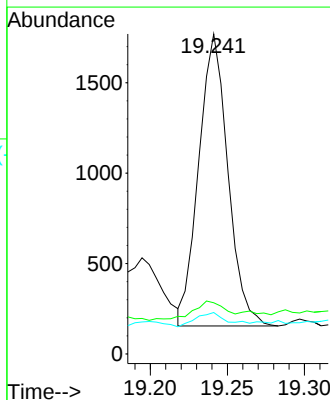
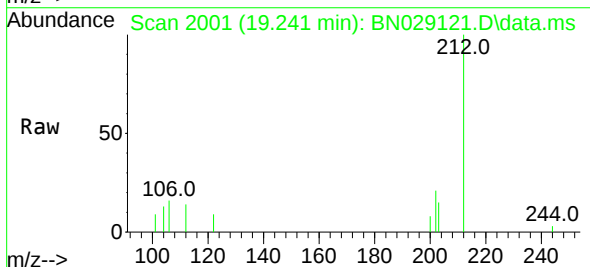
Manual Integrations
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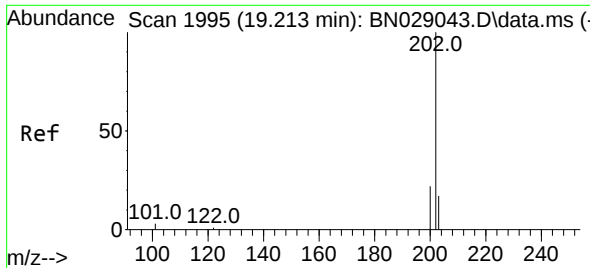
Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023



#27
 Fluoranthene-d10
 Concen: 0.143 ng
 RT: 19.241 min Scan# 2001
 Delta R.T. 0.056 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

Tgt Ion:212 Resp: 2123
 Ion Ratio Lower Upper
 212 100
 106 7.3 3.9 5.9#
 104 4.7 2.6 3.8#





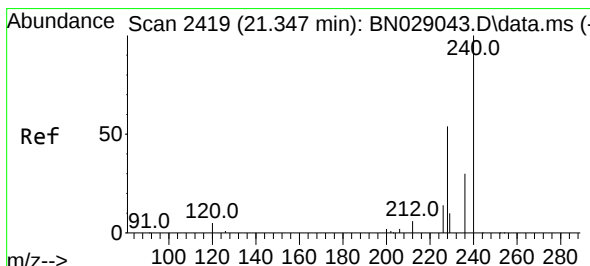
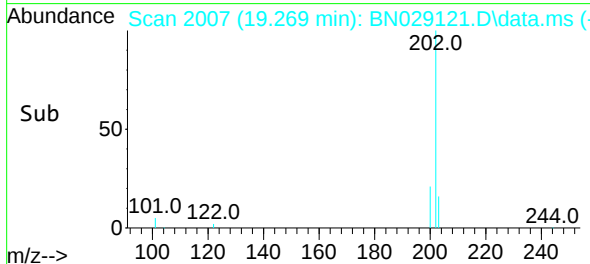
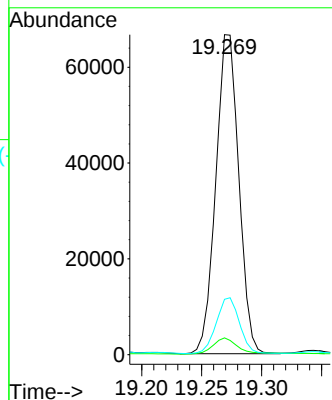
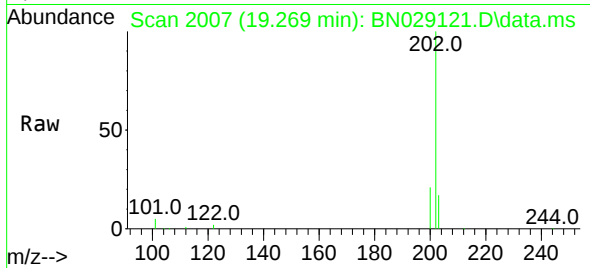
#28
Fluoranthene
Concen: 4.114 ng
RT: 19.269 min Scan# 202
Delta R.T. 0.056 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Instrument :
BNA_N
ClientSampleId :
P-13(10-15)

Tgt Ion:202 Resp: 88944
Ion Ratio Lower Upper
202 100
101 5.5 3.0 4.6
203 17.6 13.8 20.6

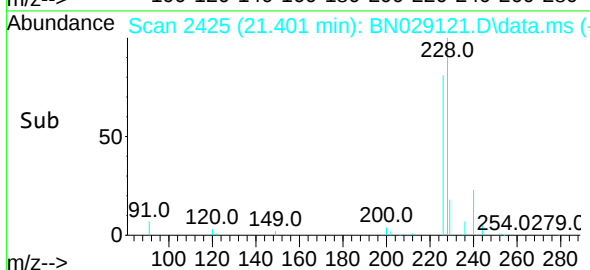
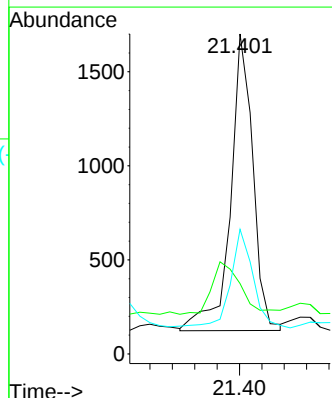
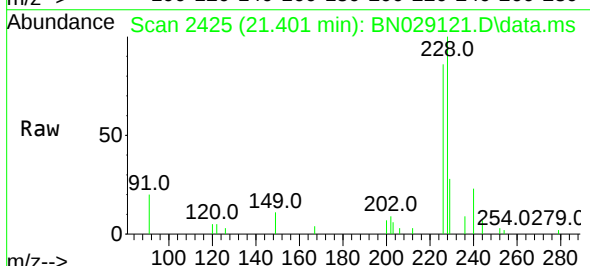
Manual Integrations
APPROVED

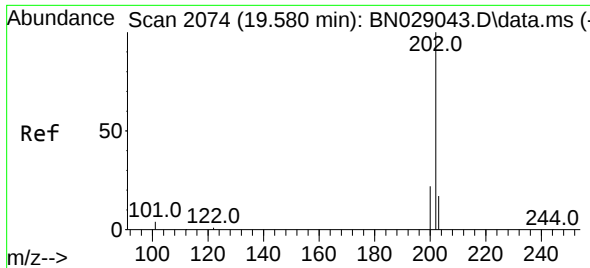
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.401 min Scan# 2425
Delta R.T. 0.054 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

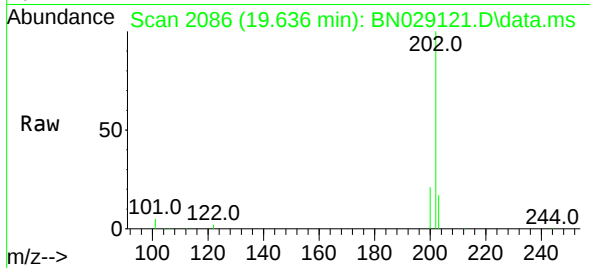
Tgt Ion:240 Resp: 2199
Ion Ratio Lower Upper
240 100
120 22.0 6.7 10.1#
236 39.0 25.7 38.5#





#30
Pyrene
Concen: 9.932 ng
RT: 19.636 min Scan# 2074
Delta R.T. 0.056 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

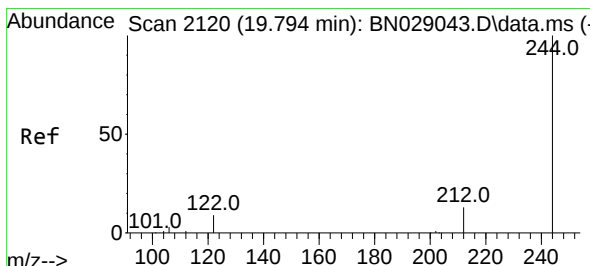
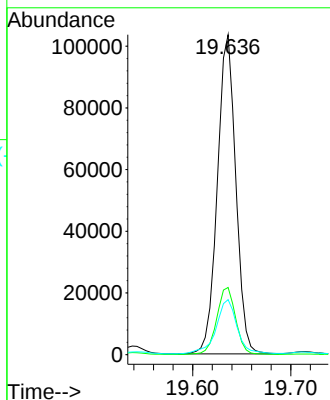
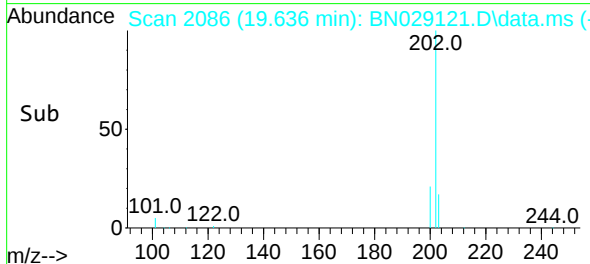
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)



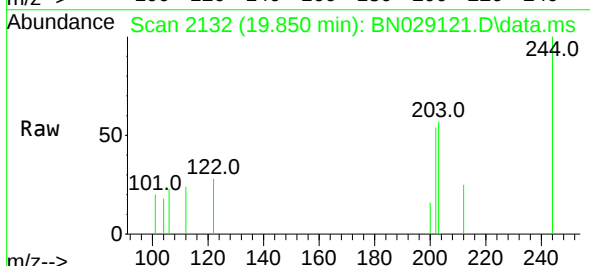
Tgt Ion:202 Resp: 135395
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 19.3 14.2 21.4

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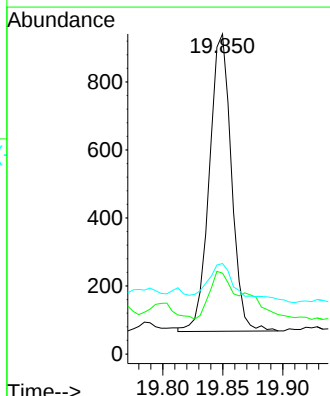
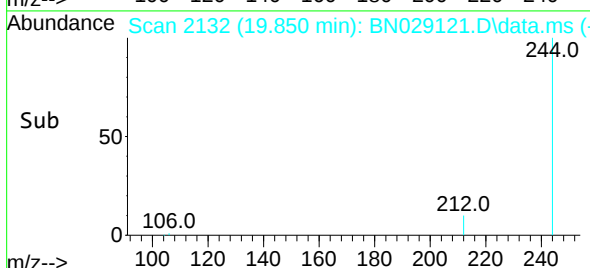
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

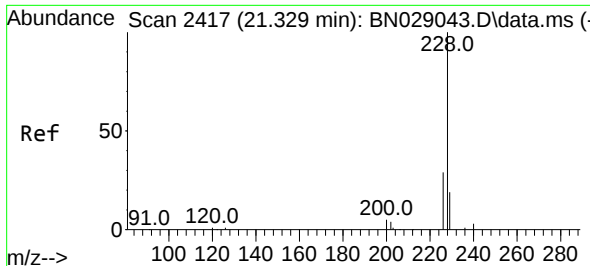


#31
Terphenyl-d14
Concen: 0.201 ng
RT: 19.850 min Scan# 2132
Delta R.T. 0.056 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30



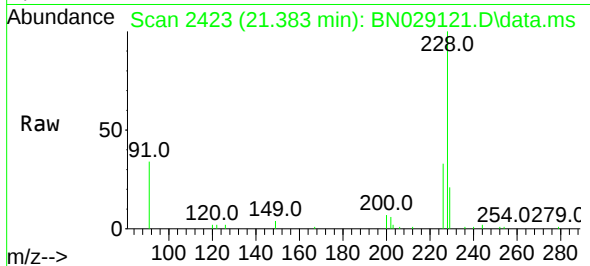
Tgt Ion:244 Resp: 1118
Ion Ratio Lower Upper
244 100
212 25.3 11.6 17.4#
122 28.3 8.2 12.4#





#32
Benzo(a)anthracene
Concen: 3.394 ng
RT: 21.383 min Scan# 2423
Delta R.T. 0.054 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

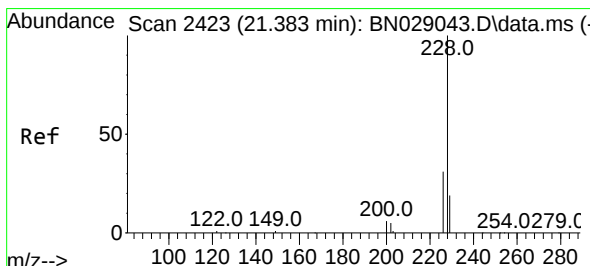
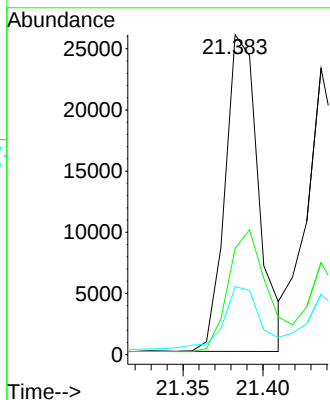
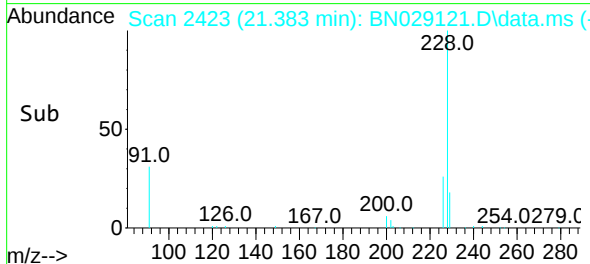
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)



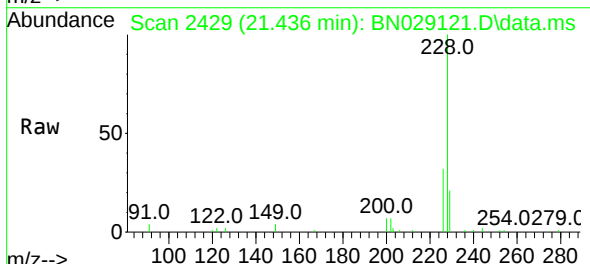
Tgt Ion:228 Resp: 3785
Ion Ratio Lower Upper
228 100
226 33.2 23.8 35.6
229 21.3 16.0 24.0

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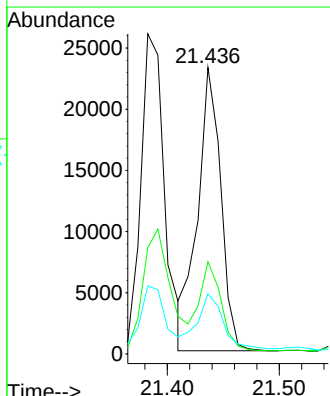
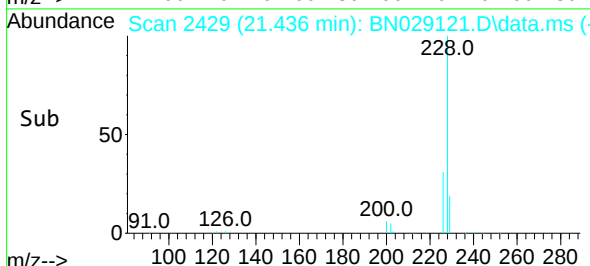
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

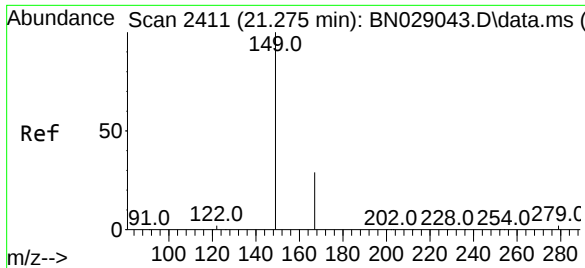


#33
Chrysene
Concen: 3.038 ng
RT: 21.436 min Scan# 2429
Delta R.T. 0.054 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30



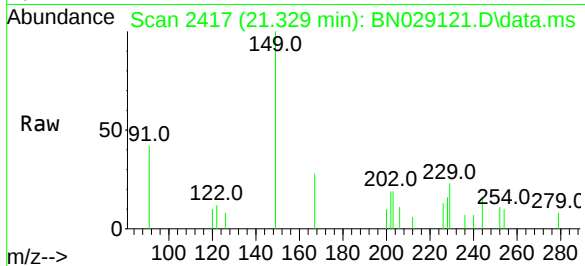
Tgt Ion:228 Resp: 33338
Ion Ratio Lower Upper
228 100
226 32.2 25.4 38.0
229 21.1 16.0 24.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.252 ng
RT: 21.329 min Scan# 2411
Delta R.T. 0.054 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

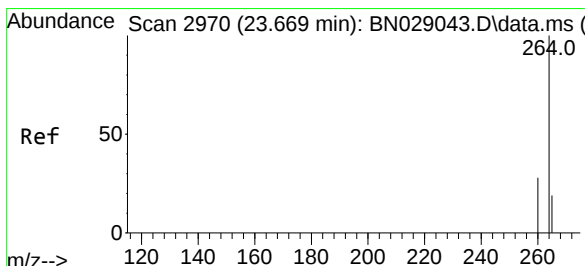
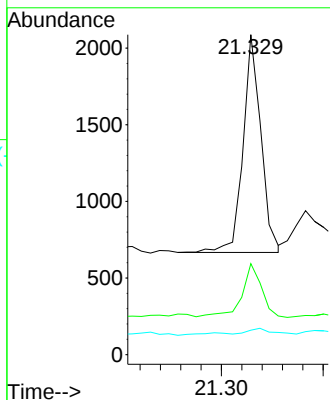
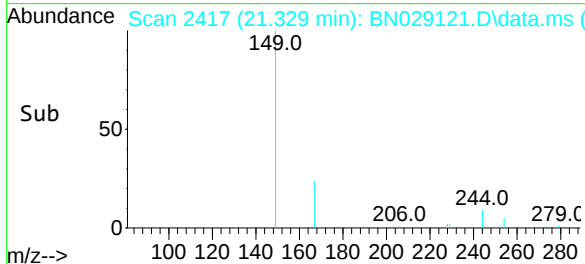
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)



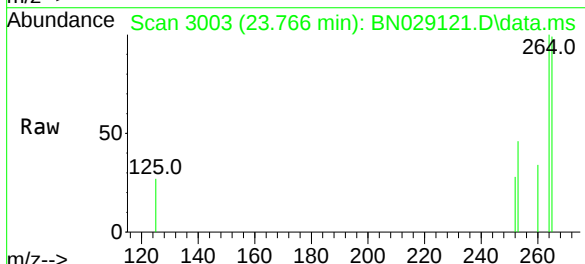
Tgt Ion:149 Resp: 1732
Ion Ratio Lower Upper
149 100
167 27.2 23.4 35.2
279 3.6 3.4 5.2

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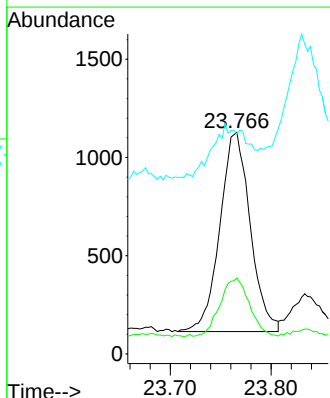
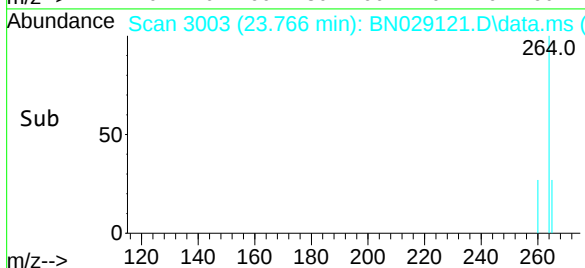
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

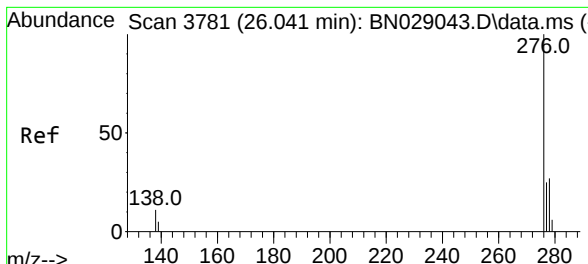


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.766 min Scan# 3003
Delta R.T. 0.097 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30



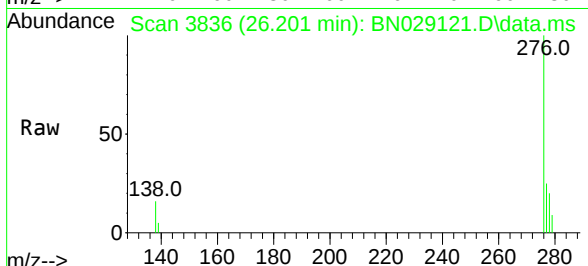
Tgt Ion:264 Resp: 2122
Ion Ratio Lower Upper
264 100
260 34.3 23.9 35.9
265 99.2 52.7 79.1#





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.346 ng
 RT: 26.201 min Scan# 31
 Delta R.T. 0.161 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

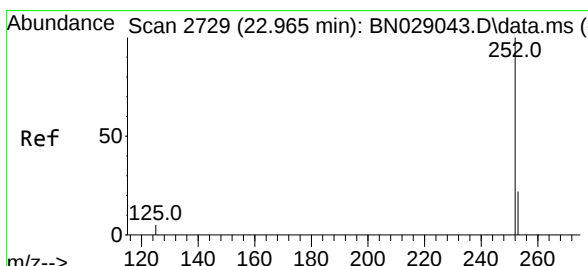
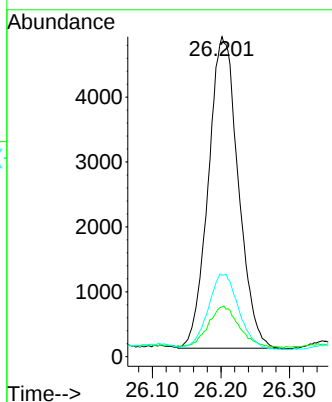
Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)



Tgt Ion: 276 Resp: 14569
 Ion Ratio Lower Upper
 276 100
 138 13.3 9.6 14.4
 277 24.7 19.4 29.0

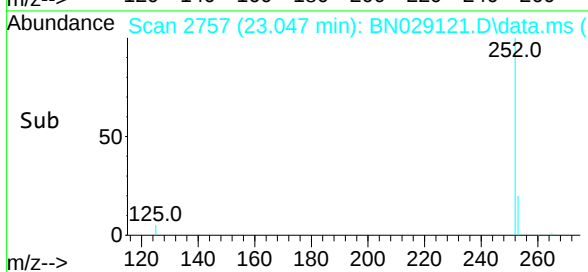
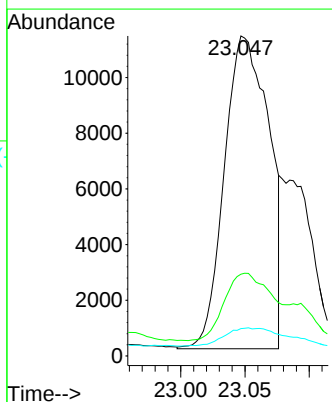
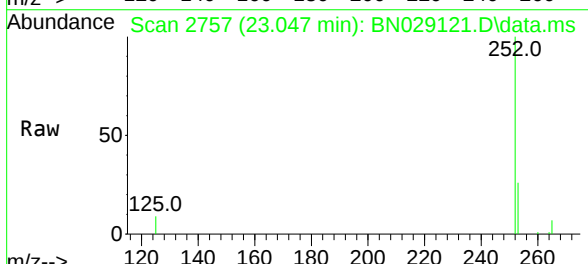
Manual Integrations
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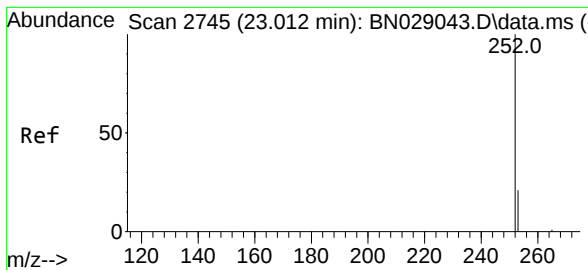
Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023



#37
 Benzo(b)fluoranthene
 Concen: 2.378 ng m
 RT: 23.047 min Scan# 2757
 Delta R.T. 0.082 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

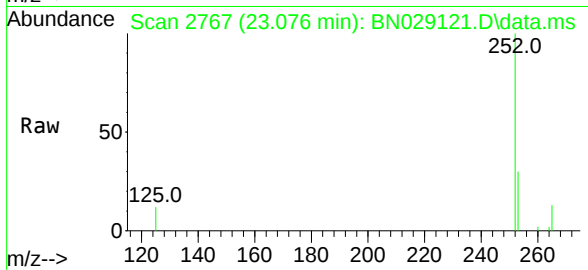
Tgt Ion: 252 Resp: 27093
 Ion Ratio Lower Upper
 252 100
 253 25.6 23.0 34.6
 125 8.6 5.4 8.0





#38
Benzo(k)fluoranthene
Concen: 0.978 ng m
RT: 23.076 min Scan# 21
Delta R.T. 0.064 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

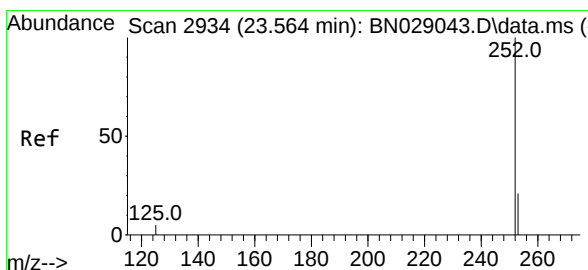
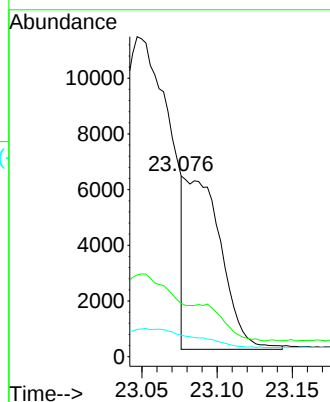
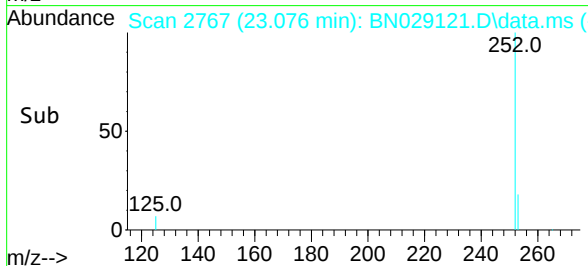
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)



Tgt Ion:252 Resp: 10445
Ion Ratio Lower Upper
252 100
253 29.5 23.0 34.4
125 11.9 5.0 7.6

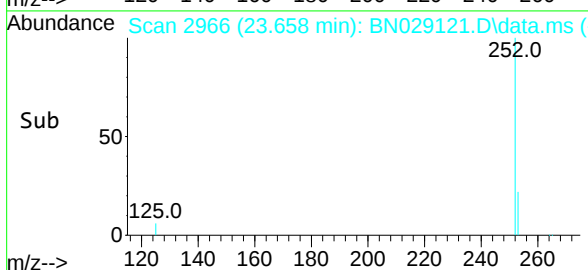
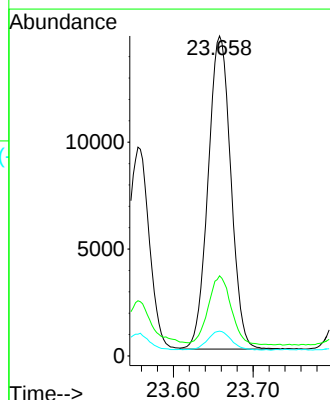
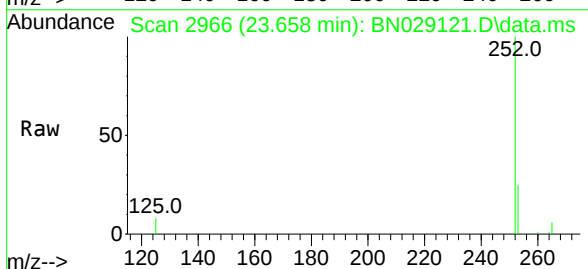
Manual Integrations
APPROVED

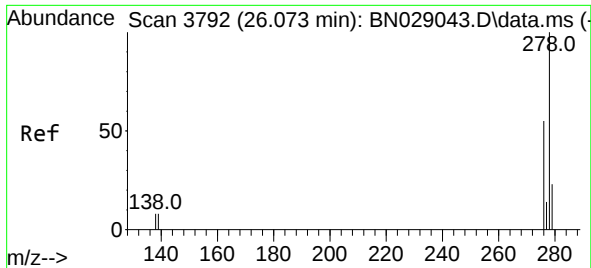
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#39
Benzo(a)pyrene
Concen: 3.072 ng
RT: 23.658 min Scan# 2966
Delta R.T. 0.094 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

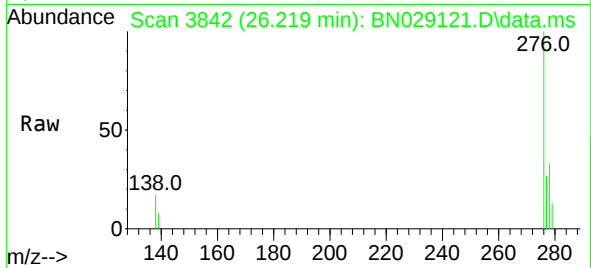
Tgt Ion:252 Resp: 28959
Ion Ratio Lower Upper
252 100
253 25.1 25.3 37.9#
125 7.8 6.5 9.7





#40
Dibenzo(a,h)anthracene
Concen: 0.506 ng
RT: 26.219 min Scan# 30
Delta R.T. 0.146 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

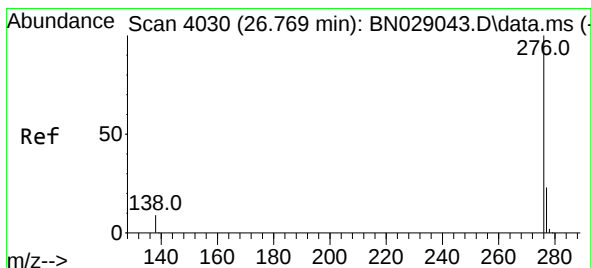
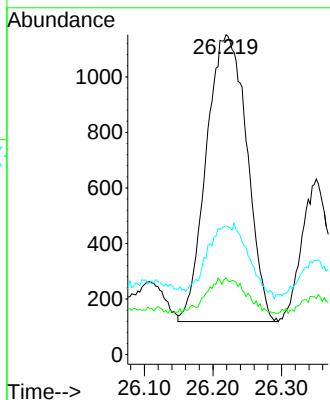
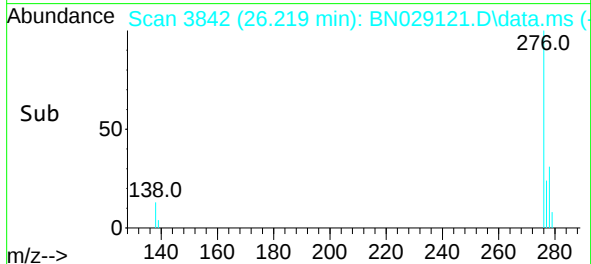
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)



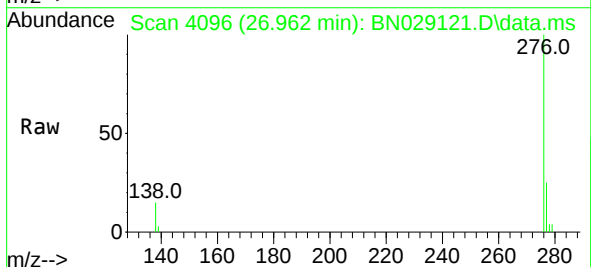
Tgt Ion:278 Resp: 422
Ion Ratio Lower Upper
278 100
139 24.0 9.4 14.2
279 40.2 24.2 36.4

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 1.848 ng
RT: 26.962 min Scan# 4096
Delta R.T. 0.193 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30



Tgt Ion:276 Resp: 16873
Ion Ratio Lower Upper
276 100
277 24.8 20.3 30.5
138 15.1 9.2 13.8

