

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028930.D
 Acq On : 01 Dec 2023 03:33
 Operator : MA/JU
 Sample : 05253-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 L-3(120FT)(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Dec 01 04:32:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:28:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	5515	0.400	ng	# 0.00
7) Naphthalene-d8	10.594	136	16280	0.400	ng	# 0.00
13) Acenaphthene-d10	14.418	164	84799	0.400	ng	#-0.01
19) Phenanthrene-d10	17.196	188	15042	0.400	ng	# 0.01
29) Chrysene-d12	21.365	240	172062	0.400	ng	0.00
35) Perylene-d12	23.693	264	71494m	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	4902	0.293	ng	-0.01
5) Phenol-d6	7.024	99	5005	0.270	ng	-0.02
8) Nitrobenzene-d5	8.833	82	1793	0.111	ng	-0.15
11) 2-Methylnaphthalene-d10	12.182	152	5558	0.213	ng	0.00
14) 2,4,6-Tribromophenol	15.930	330	1145	0.020	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	12094	0.033	ng	-0.01
27) Fluoranthene-d10	19.148	212	451828m	11.420	ng	-0.07
31) Terphenyl-d14	19.822	244	20394	0.173	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.658	128	21399262	413.637	ng	# 88
12) 2-Methylnaphthalene	12.276	142	14374254	442.174	ng	96
16) Acenaphthylene	14.172	152	13015268	28.973	ng	# 96
17) Acenaphthene	14.503	154	4399769	14.756	ng	98
18) Fluorene	15.508	166	11532514	30.553	ng	# 98
25) Phenanthrene	17.246	178	32700781m	658.421	ng	
26) Anthracene	17.345	178	13244193	288.501	ng	# 94
28) Fluoranthene	19.274	202	20325341m	393.553	ng	
30) Pyrene	19.636	202	27835194m	21.239	ng	
32) Benzo(a)anthracene	21.392	228	16668428	22.784	ng	# 86
33) Chrysene	21.454	228	15503089m	21.584	ng	
36) Indeno(1,2,3-cd)pyrene	26.242	276	5290930m	16.984	ng	
37) Benzo(b)fluoranthene	23.070	252	13052943	44.627	ng	# 26
38) Benzo(k)fluoranthene	23.102	252	2992758m	10.845	ng	
39) Benzo(a)pyrene	23.696	252	14235523	54.492	ng	# 17
40) Dibenzo(a,h)anthracene	26.239	278	1726650m	7.162	ng	
41) Benzo(g,h,i)perylene	27.008	276	5696528	21.006	ng	# 70

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

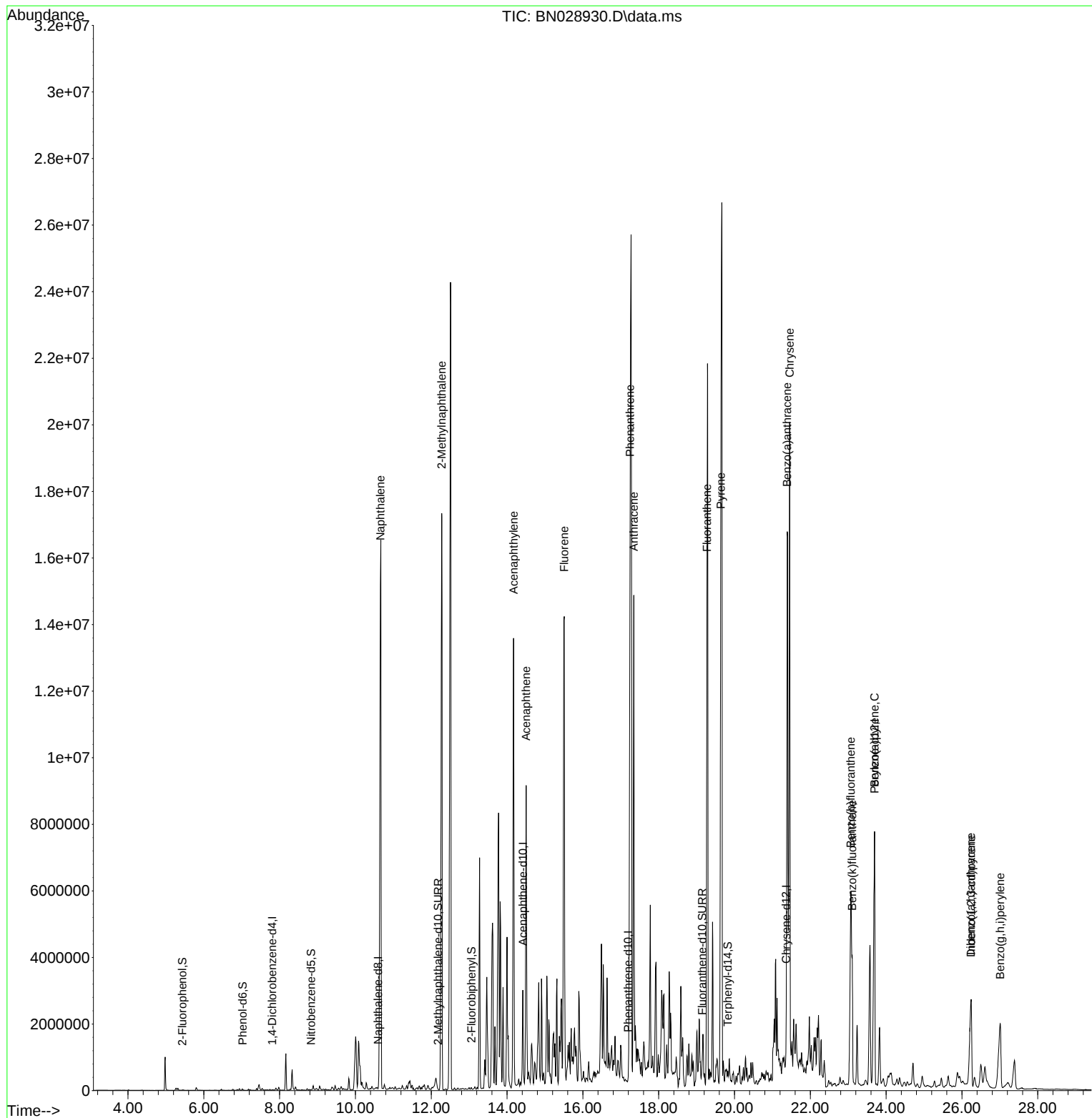
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
Data File : BN028930.D
Acq On : 01 Dec 2023 03:33
Operator : MA/JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

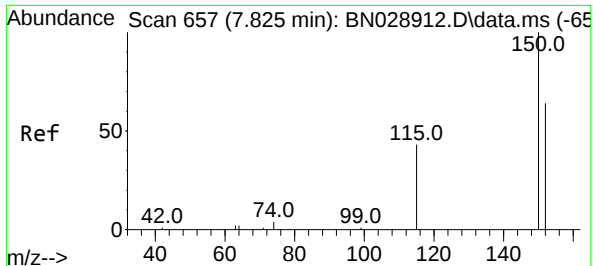
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)

Manual Integrations
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Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

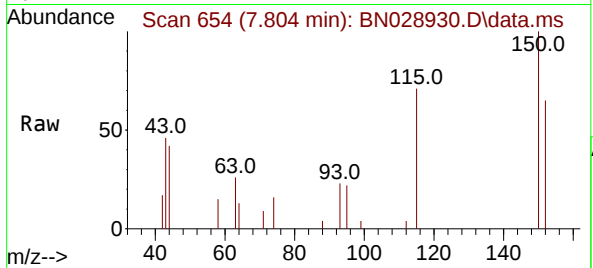
Quant Time: Dec 01 04:32:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:28:34 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

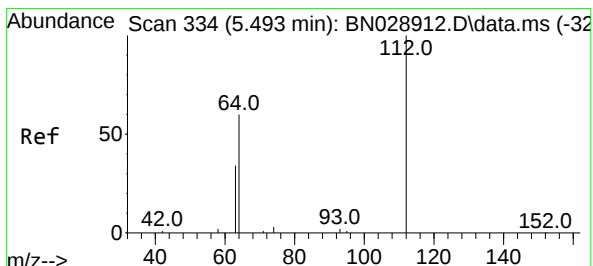
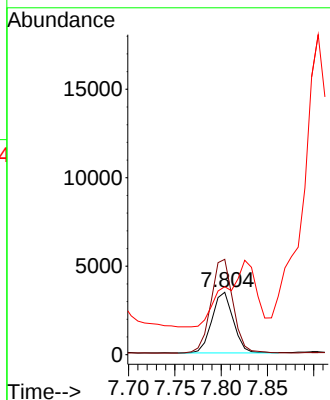
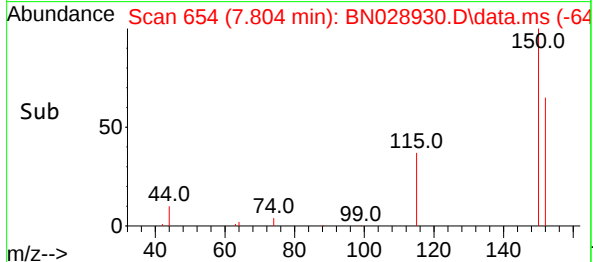
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)



Tgt Ion:152 Resp: 551
Ion Ratio Lower Upper
152 100
150 152.9 123.4 185.2
115 108.9 59.1 88.7

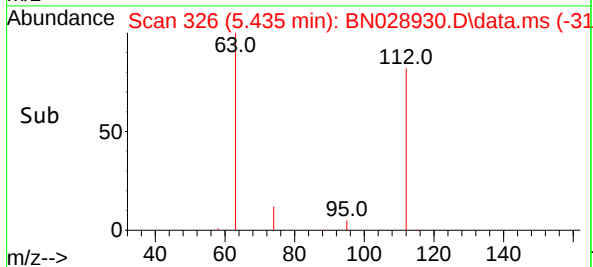
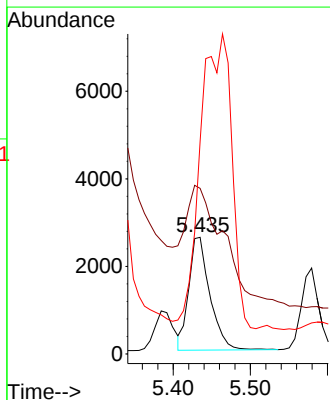
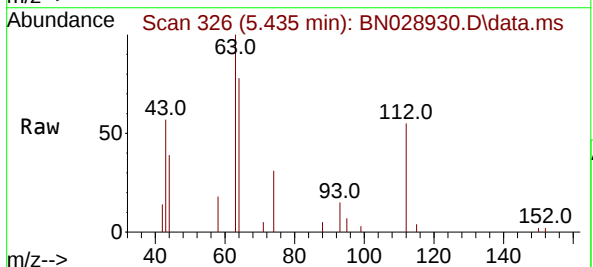
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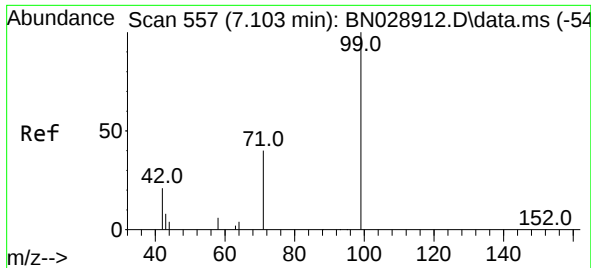
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#4
2-Fluorophenol
Concen: 0.293 ng
RT: 5.435 min Scan# 326
Delta R.T. -0.014 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

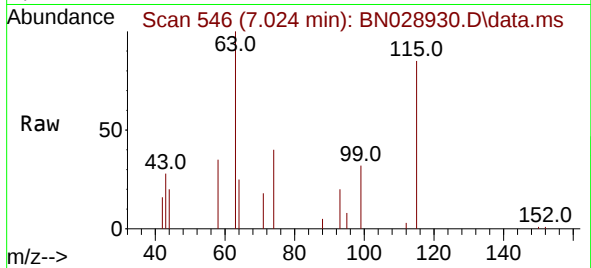
Tgt Ion:112 Resp: 4902
Ion Ratio Lower Upper
112 100
64 205.4 51.5 77.3#
63 0.0 30.4 45.6#





#5
Phenol-d6
Concen: 0.270 ng
RT: 7.024 min Scan# 546
Delta R.T. -0.022 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

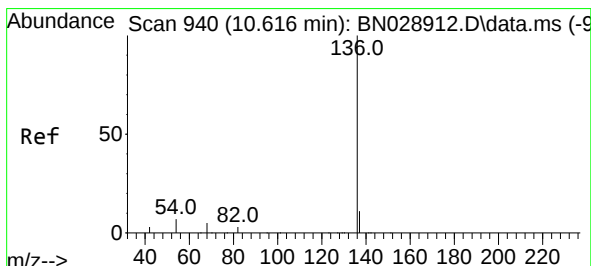
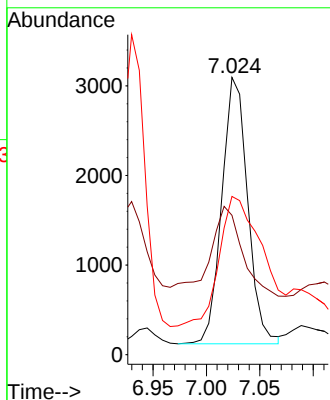
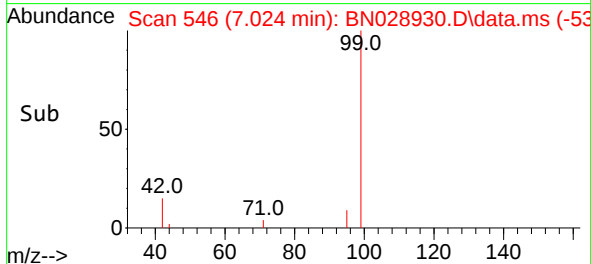
Instrument :
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L-3(120FT)(0-5)



Tgt Ion: 99 Resp: 500
Ion Ratio Lower Upper
99 100
42 42.6 21.2 31.8#
71 82.5 35.4 53.0#

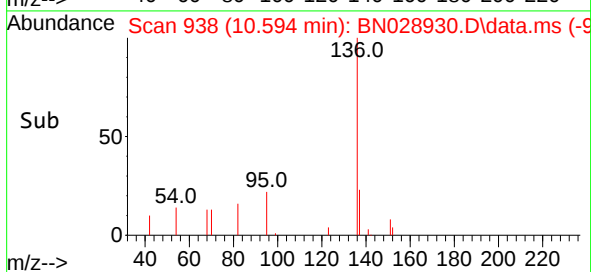
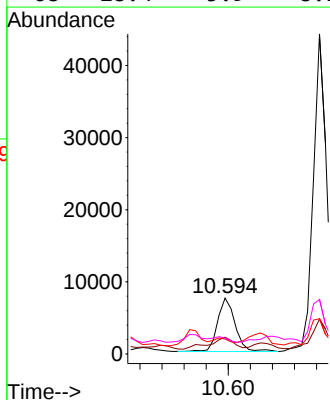
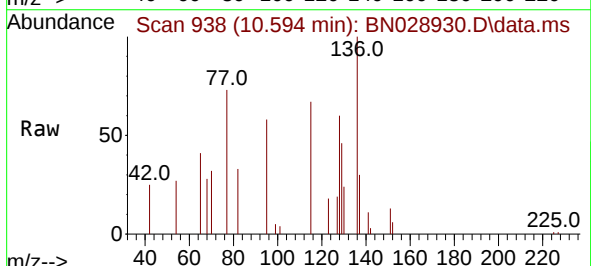
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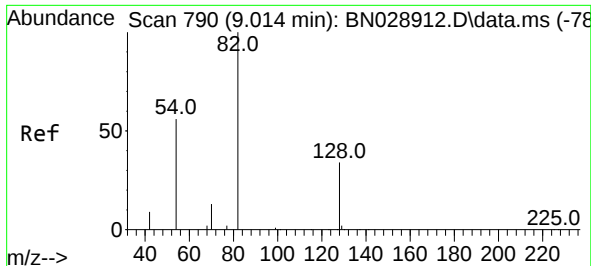
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 938
Delta R.T. 0.000 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Tgt Ion:136 Resp: 16280
Ion Ratio Lower Upper
136 100
137 30.0 10.6 16.0#
54 26.7 7.5 11.3#
68 28.4 5.9 8.9#





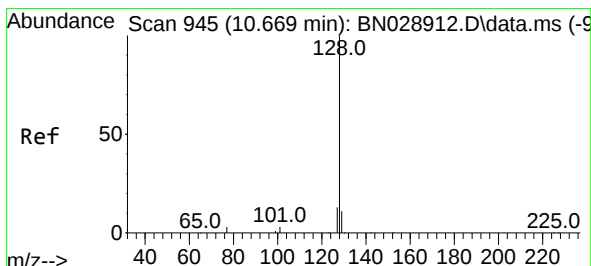
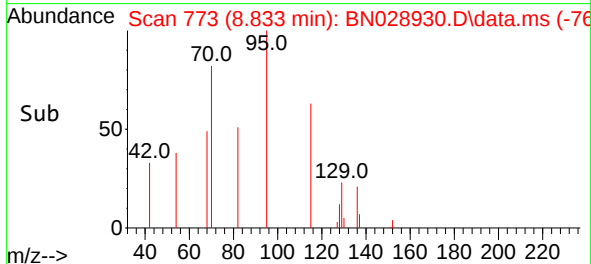
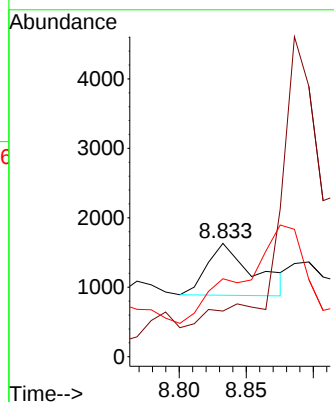
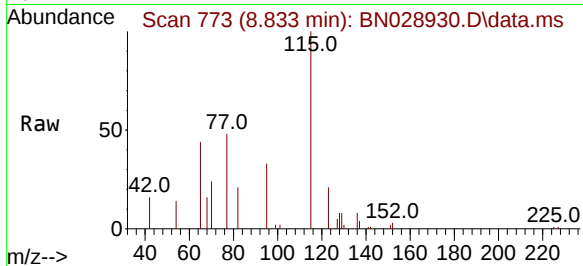
#8
Nitrobenzene-d5
Concen: 0.111 ng
RT: 8.833 min Scan# 71
Delta R.T. -0.149 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)

Tgt Ion: 82 Resp: 179
Ion Ratio Lower Upper
82 100
128 40.3 29.2 43.8
54 68.8 47.0 70.6

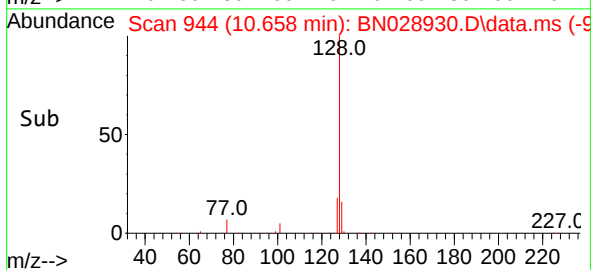
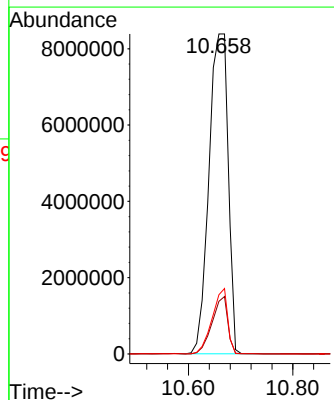
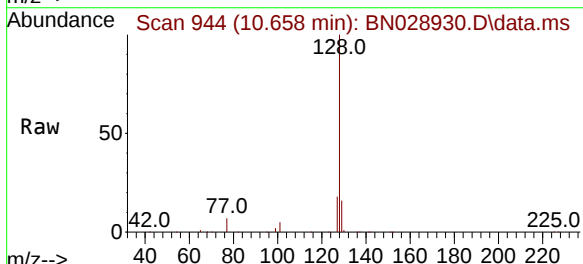
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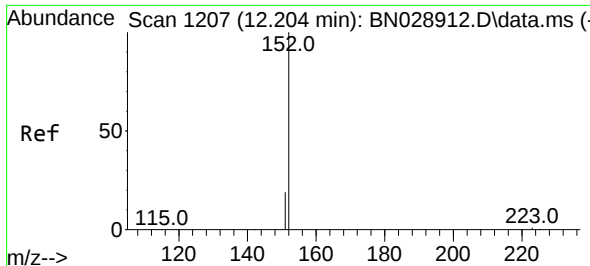
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#9
Naphthalene
Concen: 413.637 ng
RT: 10.658 min Scan# 944
Delta R.T. 0.011 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

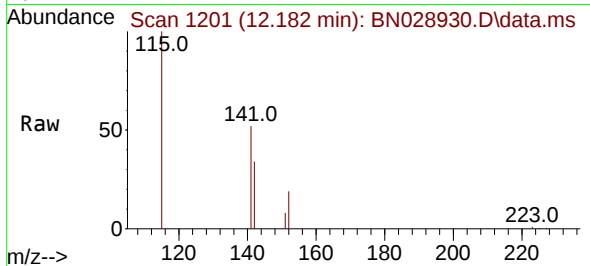
Tgt Ion:128 Resp:21399262
Ion Ratio Lower Upper
128 100
129 16.4 9.5 14.3#
127 18.5 11.0 16.4#





#11
2-Methylnaphthalene-d10
Concen: 0.213 ng
RT: 12.182 min Scan# 1201
Delta R.T. -0.004 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

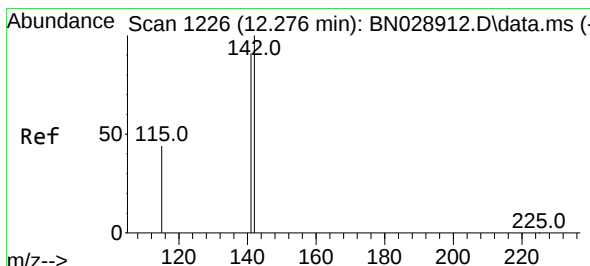
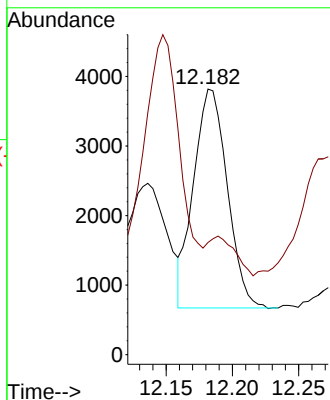
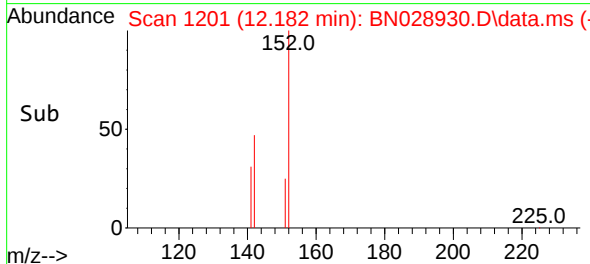
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)



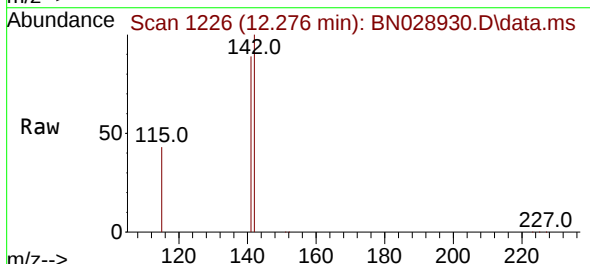
Tgt Ion:152 Resp: 5558
Ion Ratio Lower Upper
152 100
151 0.0 16.7 25.1

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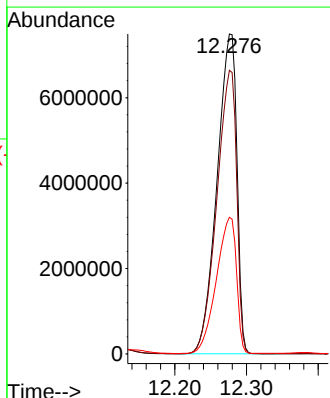
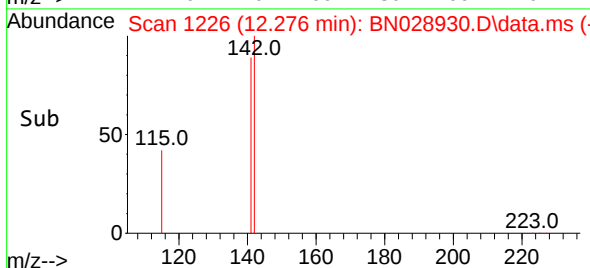
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

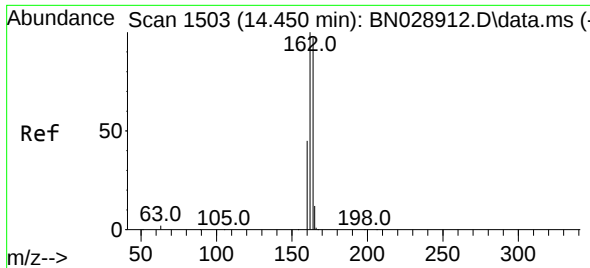


#12
2-Methylnaphthalene
Concen: 442.174 ng
RT: 12.276 min Scan# 1226
Delta R.T. 0.019 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33



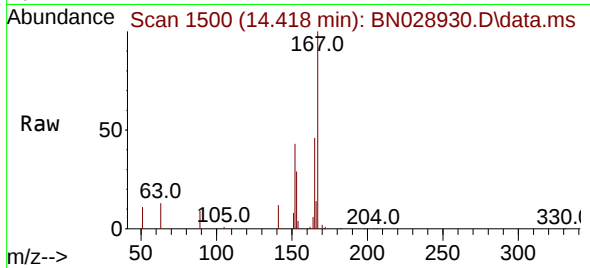
Tgt Ion:142 Resp:14374254
Ion Ratio Lower Upper
142 100
141 88.7 73.1 109.7
115 42.7 37.6 56.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.418 min Scan# 1503
Delta R.T. -0.011 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

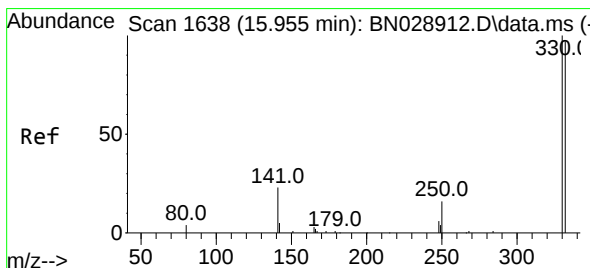
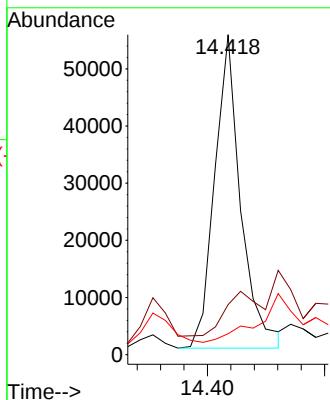
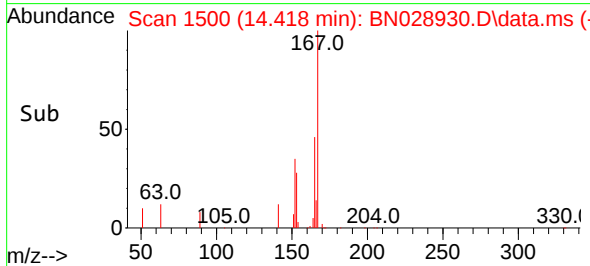
Instrument :
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L-3(120FT)(0-5)



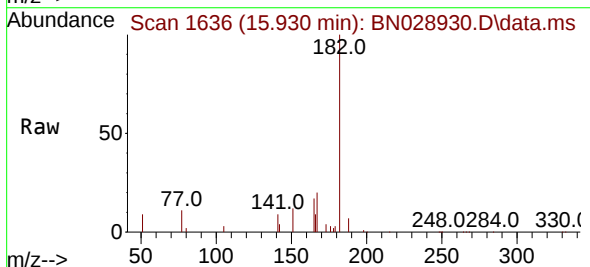
Tgt Ion:164 Resp: 84799
Ion Ratio Lower Upper
164 100
162 15.7 81.7 122.5
160 6.6 37.0 55.6

Manual Integrations
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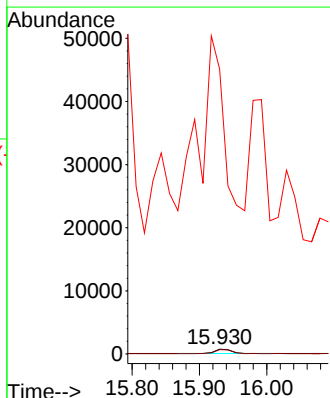
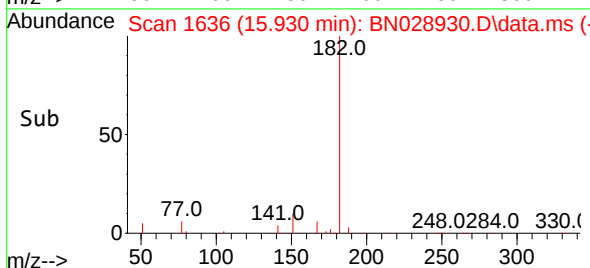
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

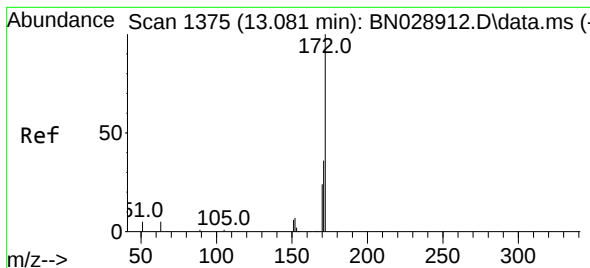


#14
2,4,6-Tribromophenol
Concen: 0.020 ng
RT: 15.930 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33



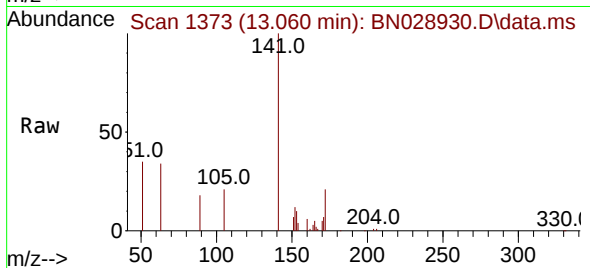
Tgt Ion:330 Resp: 1145
Ion Ratio Lower Upper
330 100
332 98.2 75.4 113.2
141 5657.5 35.7 53.5#





#15
2-Fluorobiphenyl
Concen: 0.033 ng
RT: 13.060 min Scan# 1375
Delta R.T. -0.011 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

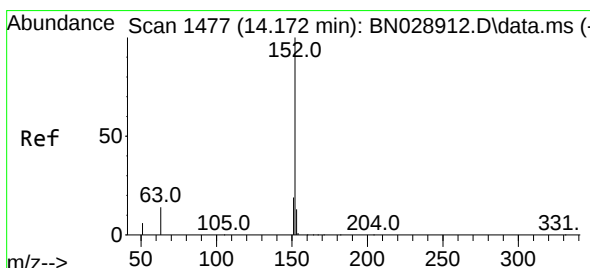
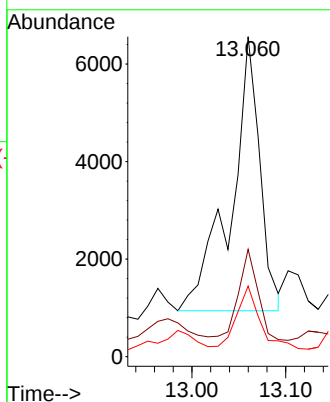
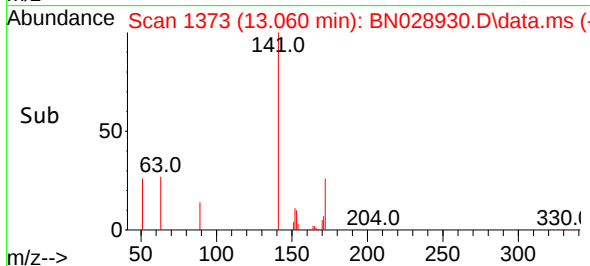
Instrument :
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L-3(120FT)(0-5)



Tgt Ion:172 Resp: 12094
Ion Ratio Lower Upper
172 100
171 33.5 29.0 43.4
170 22.1 19.7 29.5

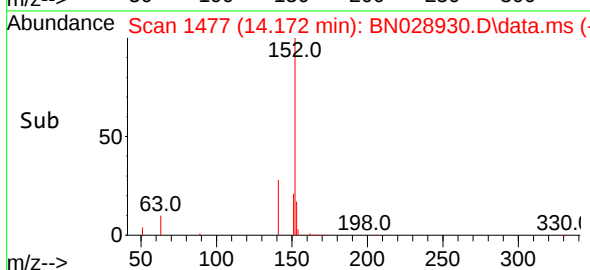
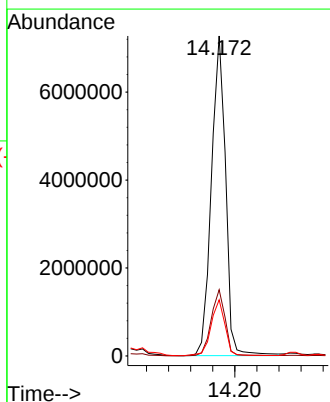
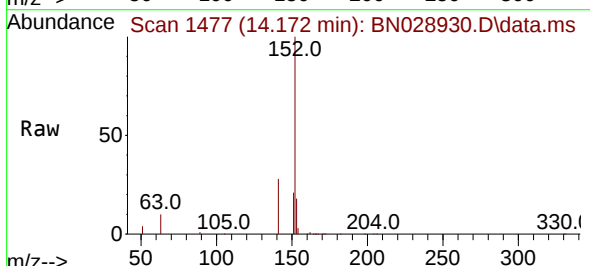
Manual Integrations
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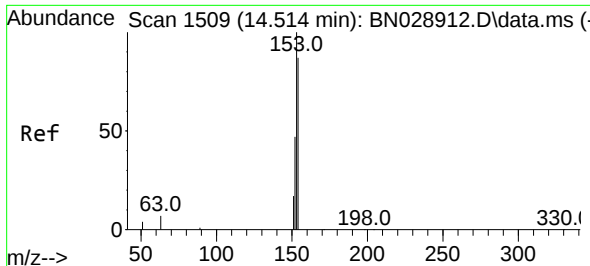
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#16
Acenaphthylene
Concen: 28.973 ng
RT: 14.172 min Scan# 1477
Delta R.T. 0.021 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

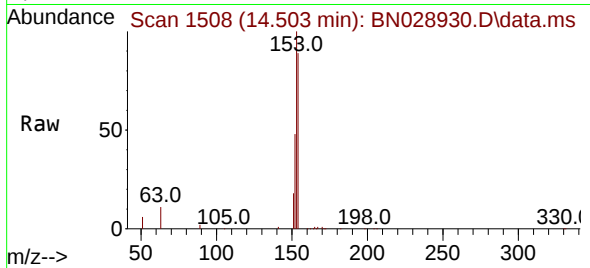
Tgt Ion:152 Resp:13015268
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 17.1 10.8 16.2#





#17
Acenaphthene
Concen: 14.756 ng
RT: 14.503 min Scan# 1508
Delta R.T. 0.011 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

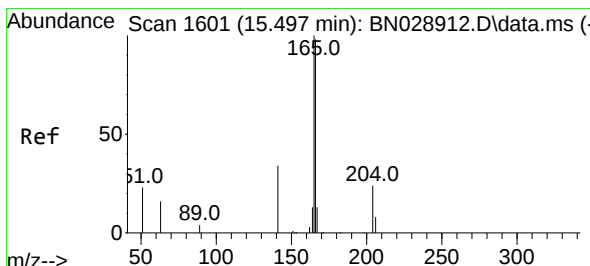
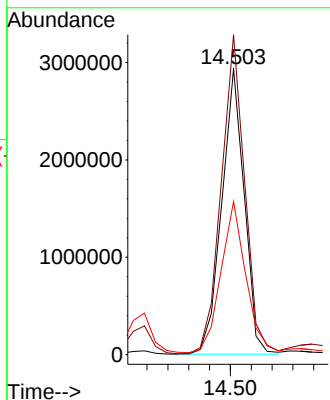
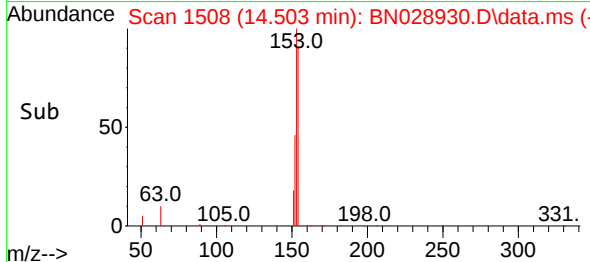
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)



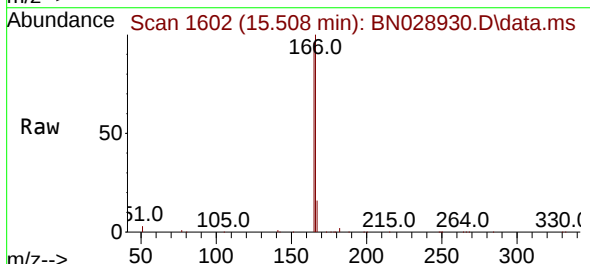
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Ion Ratio Lower Upper
154 100
153 115.8 93.8 140.6
152 58.6 44.5 66.7

Manual Integrations
APPROVED

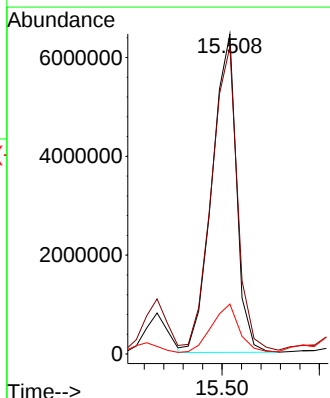
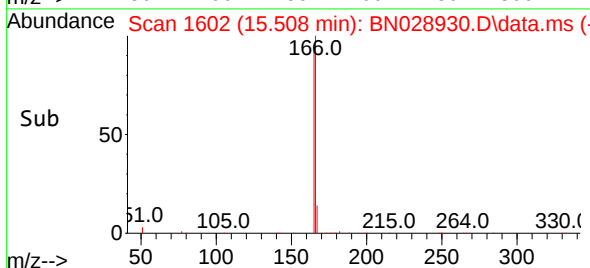
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

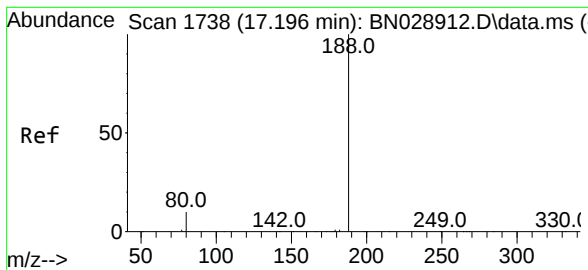


#18
Fluorene
Concen: 30.553 ng
RT: 15.508 min Scan# 1602
Delta R.T. 0.021 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33



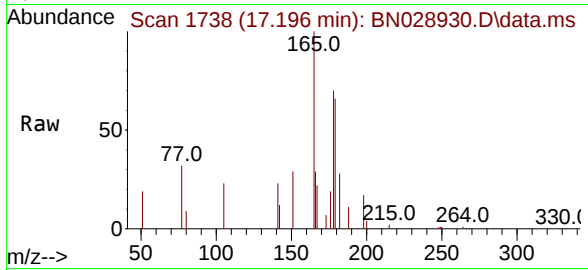
Tgt Ion:166 Resp:11532514
Ion Ratio Lower Upper
166 100
165 100.3 79.4 119.2
167 16.8 11.0 16.4





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.196 min Scan# 1738
Delta R.T. 0.012 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

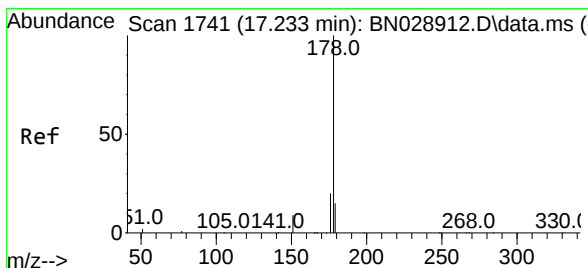
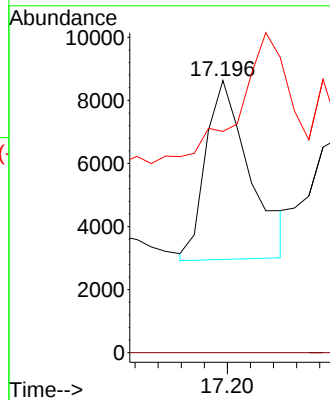
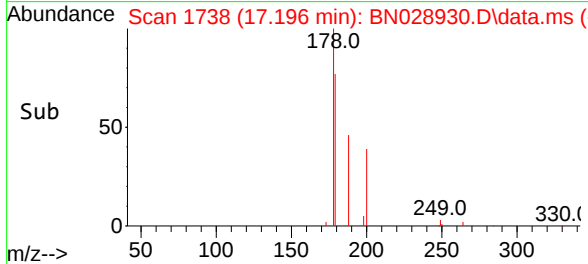
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)



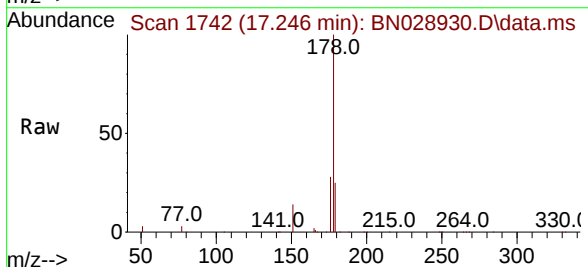
Tgt Ion:188 Resp: 1504
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 81.3 9.0 13.6

Manual Integrations
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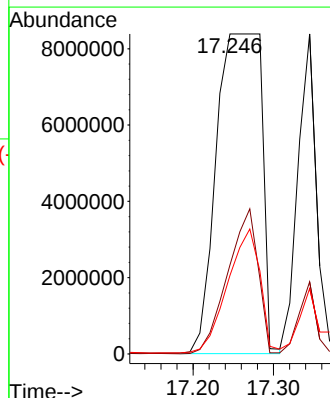
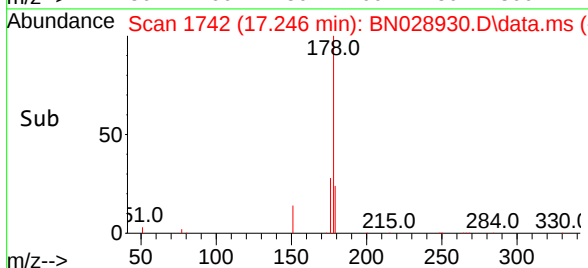
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

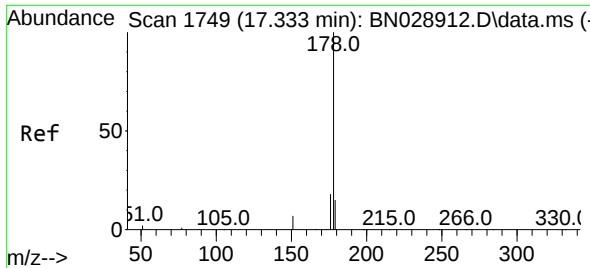


#25
Phenanthrene
Concen: 658.421 ng m
RT: 17.246 min Scan# 1742
Delta R.T. 0.025 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33



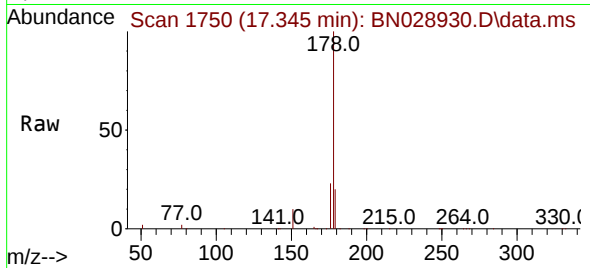
Tgt Ion:178 Resp:32700781
Ion Ratio Lower Upper
178 100
176 8.4 16.4 24.6#
179 7.9 14.1 21.1#





#26
 Anthracene
 Concen: 288.501 ng
 RT: 17.345 min Scan# 11
 Delta R.T. 0.037 min
 Lab File: BN028930.D
 Acq: 01 Dec 2023 03:33

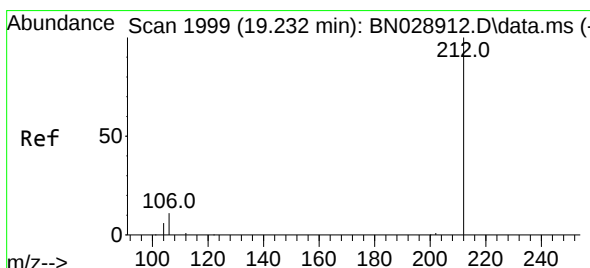
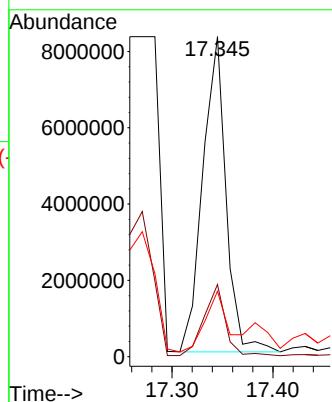
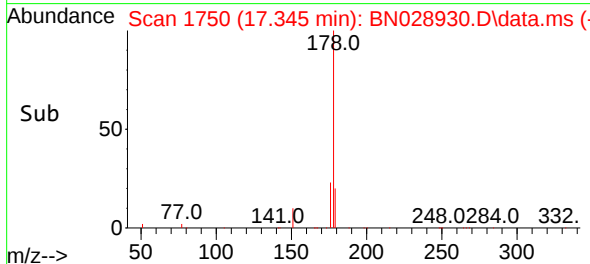
Instrument :
 BNA_N
 ClientSampleId :
 L-3(120FT)(0-5)



Tgt Ion:178 Resp:1324419
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.2 22.8
 179 19.4 12.2 18.2

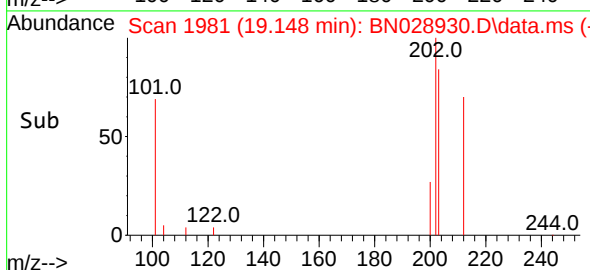
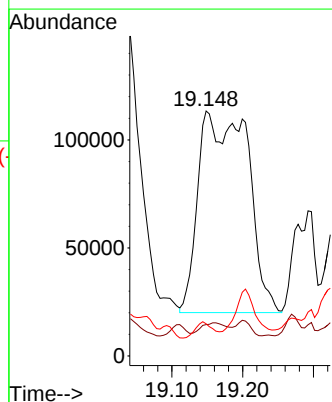
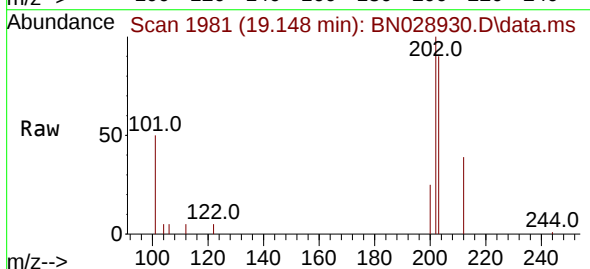
Manual Integrations
 APPROVED

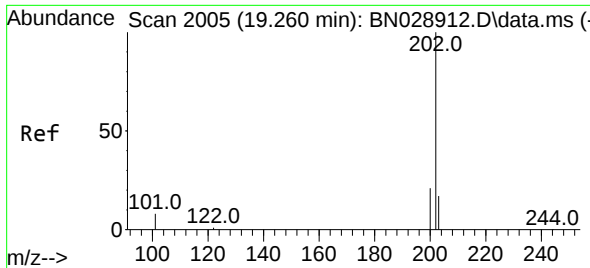
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023



#27
 Fluoranthene-d10
 Concen: 11.420 ng m
 RT: 19.148 min Scan# 1981
 Delta R.T. -0.065 min
 Lab File: BN028930.D
 Acq: 01 Dec 2023 03:33

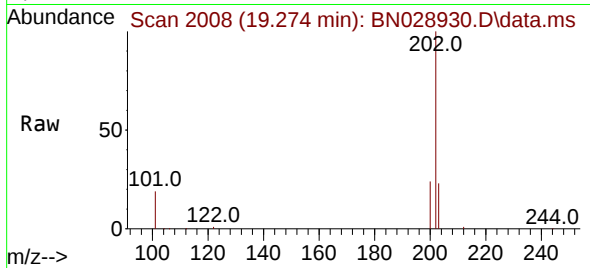
Tgt Ion:212 Resp: 451828
 Ion Ratio Lower Upper
 212 100
 106 0.7 9.4 14.2#
 104 2.0 6.2 9.2#





#28
Fluoranthene
Concen: 393.553 ng m
RT: 19.274 min Scan# 2005
Delta R.T. 0.028 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

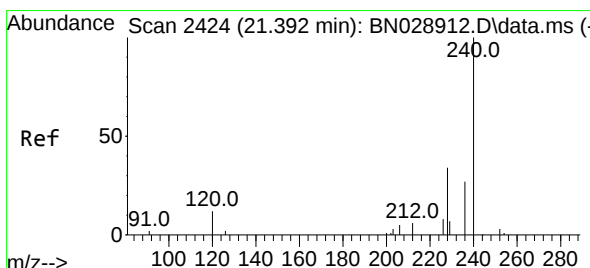
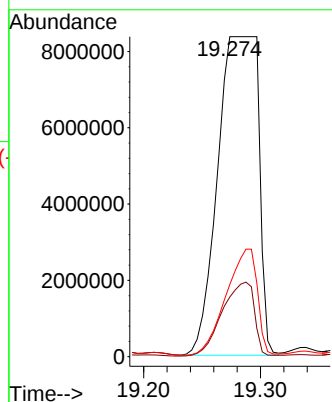
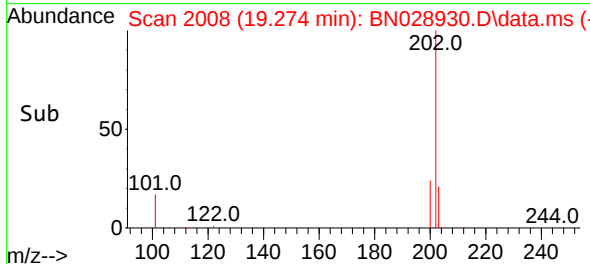
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)



Tgt Ion:202 Resp:2032534
Ion Ratio Lower Upper
202 100
101 2.1 7.3 10.9
203 3.2 14.1 21.1

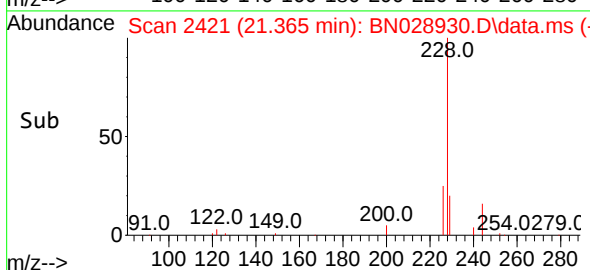
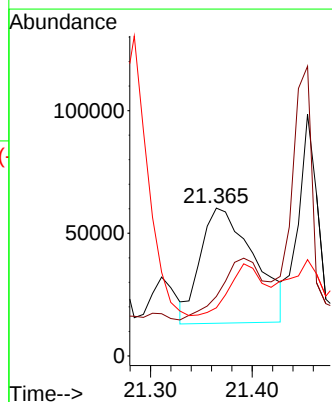
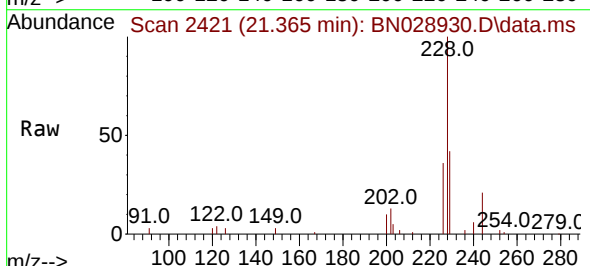
Manual Integrations
APPROVED

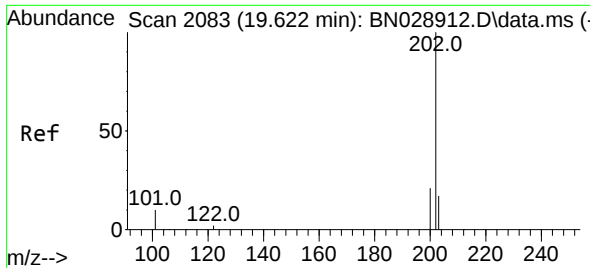
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.365 min Scan# 2421
Delta R.T. -0.009 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

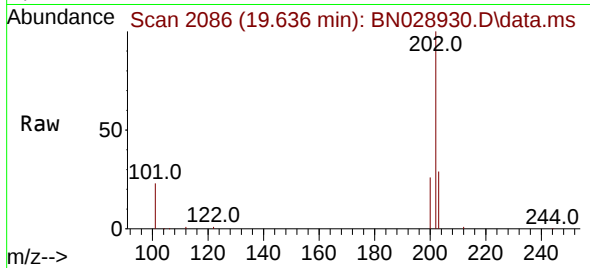
Tgt Ion:240 Resp: 172062
Ion Ratio Lower Upper
240 100
120 40.3 37.1 55.7
236 32.6 32.4 48.6





#30
Pyrene
Concen: 21.239 ng m
RT: 19.636 min Scan# 2086
Delta R.T. 0.028 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

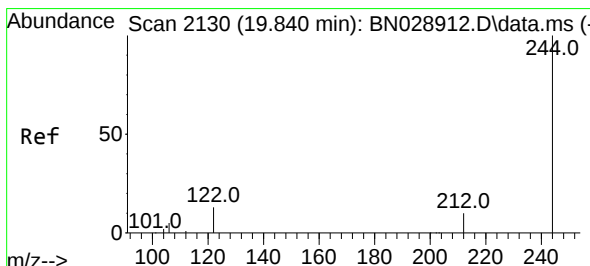
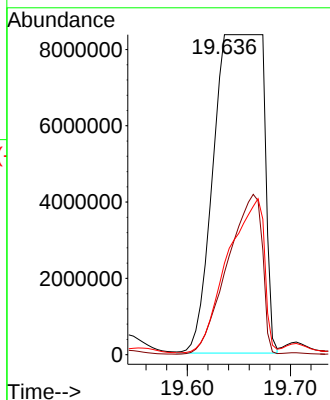
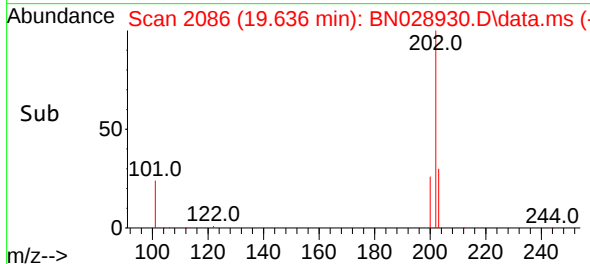
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)



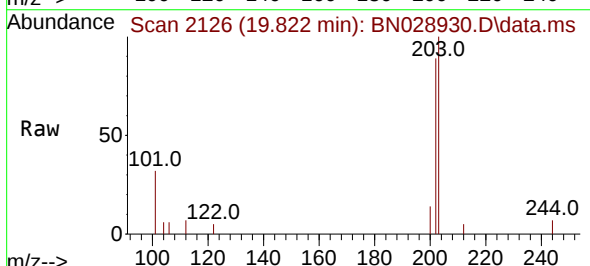
Tgt Ion:202 Resp:27835194
Ion Ratio Lower Upper
202 100
200 2.9 16.9 25.3#
203 2.5 14.8 22.2#

Manual Integrations
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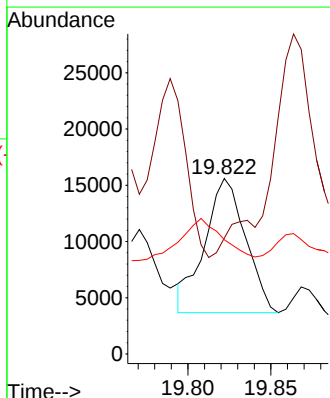
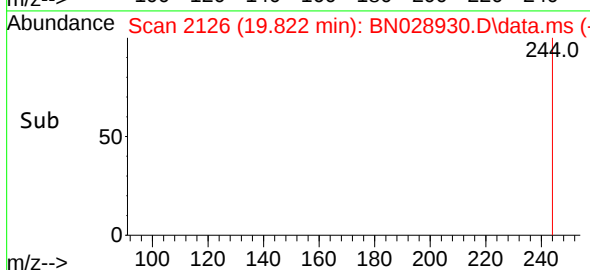
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

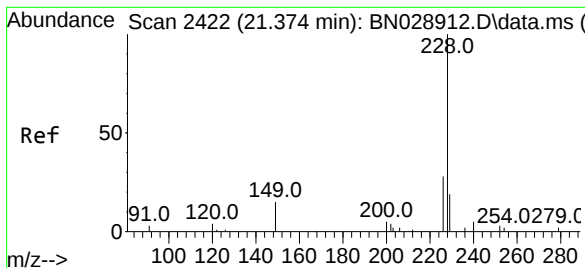


#31
Terphenyl-d14
Concen: 0.173 ng
RT: 19.822 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33



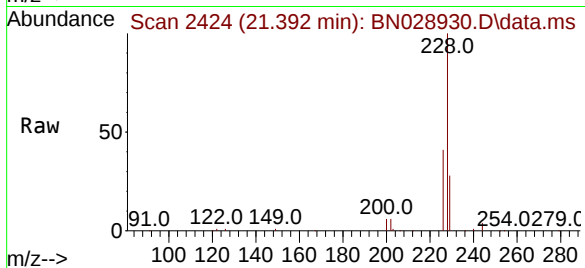
Tgt Ion:244 Resp: 20394
Ion Ratio Lower Upper
244 100
212 66.0 11.5 17.3#
122 65.1 13.2 19.8#





#32
Benzo(a)anthracene
Concen: 22.784 ng
RT: 21.392 min Scan# 2424
Delta R.T. 0.036 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

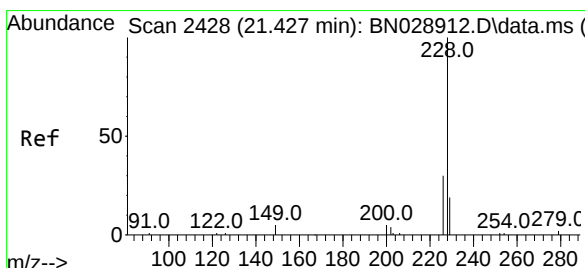
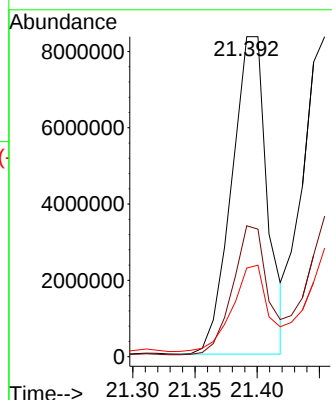
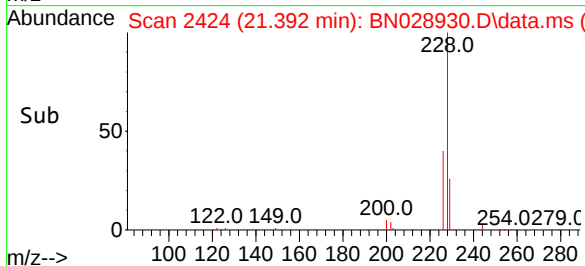
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)



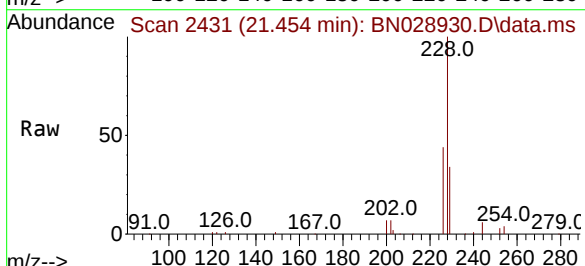
Tgt Ion:228 Resp:16668428
Ion Ratio Lower Upper
228 100
226 40.9 26.5 39.7
229 27.7 16.4 24.6

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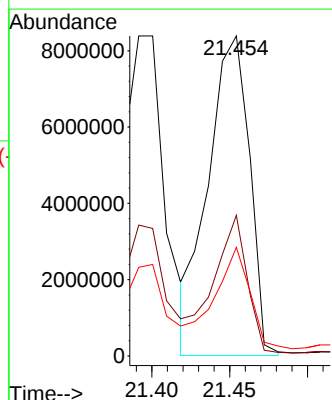
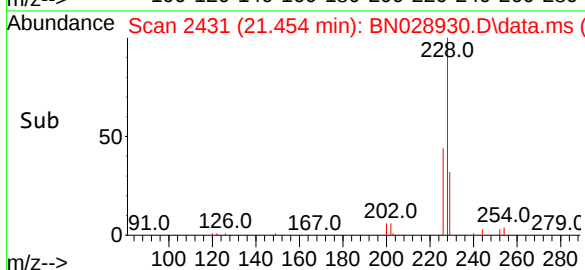
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

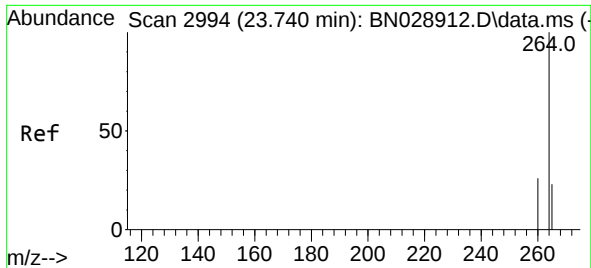


#33
Chrysene
Concen: 21.584 ng m
RT: 21.454 min Scan# 2431
Delta R.T. 0.045 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33



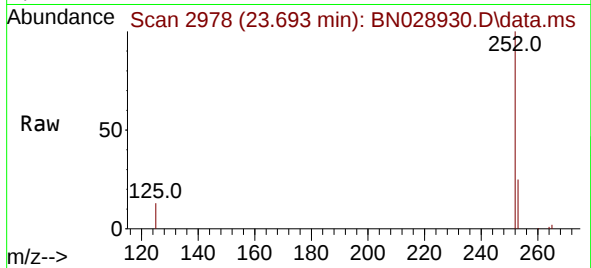
Tgt Ion:228 Resp:15503089
Ion Ratio Lower Upper
228 100
226 43.9 28.3 42.5#
229 33.9 16.4 24.6#





#35
Perylene-d12
Concen: 0.400 ng m
RT: 23.693 min Scan# 2994
Delta R.T. -0.020 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

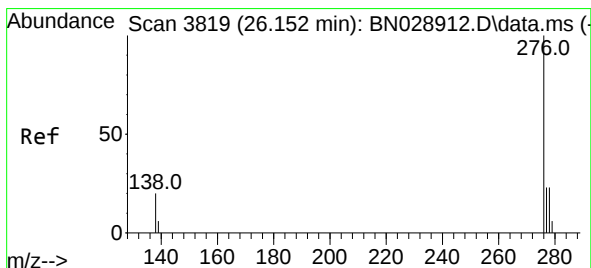
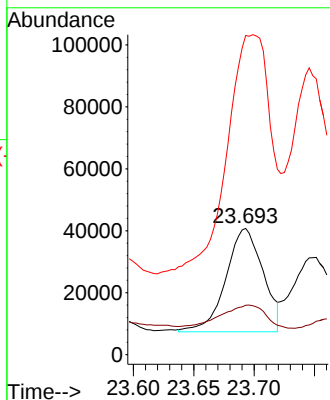
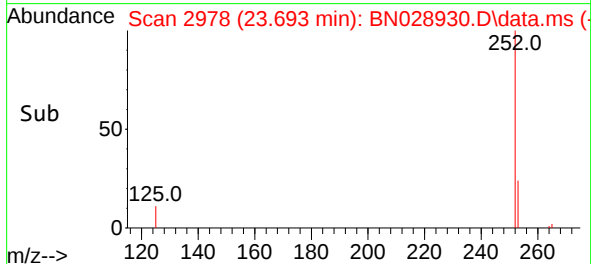
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)



Tgt Ion:264 Resp: 71494
Ion Ratio Lower Upper
264 100
260 39.2 20.6 30.8
265 252.7 464.5 696.7

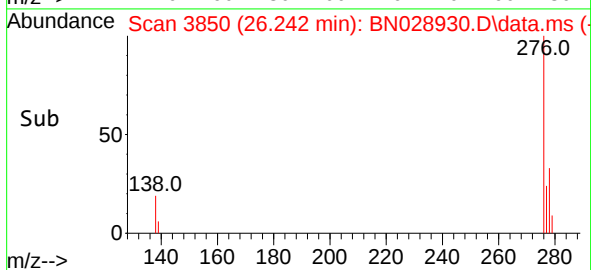
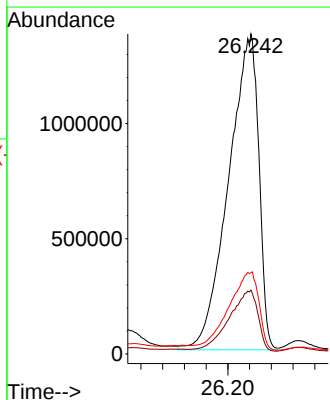
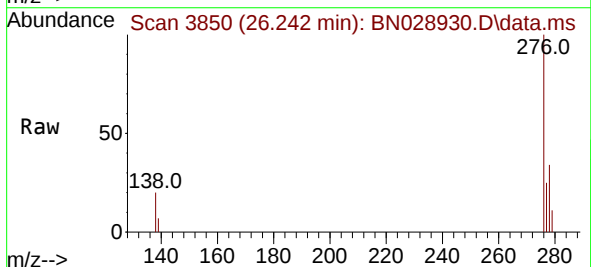
Manual Integrations
APPROVED

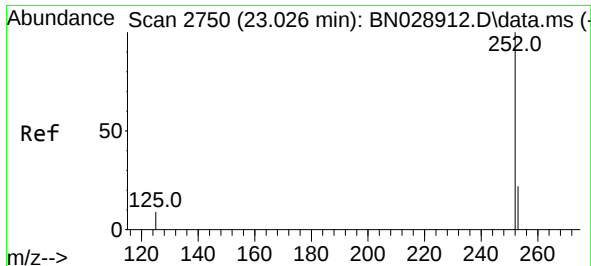
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 16.984 ng m
RT: 26.242 min Scan# 3850
Delta R.T. 0.132 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Tgt Ion:276 Resp: 5290930
Ion Ratio Lower Upper
276 100
138 18.2 20.9 31.3
277 24.7 20.2 30.4





#37

Benzo(b)fluoranthene

Concen: 44.627 ng

RT: 23.070 min Scan# 21

Delta R.T. 0.067 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

Instrument :

BNA_N

ClientSampleId :

L-3(120FT)(0-5)

Tgt Ion:252 Resp:1305294

Ion Ratio Lower Upper

252 100

253 24.0 94.5 141.7

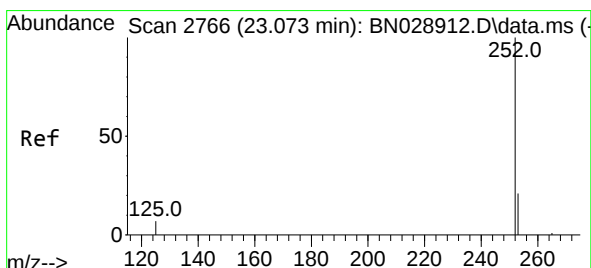
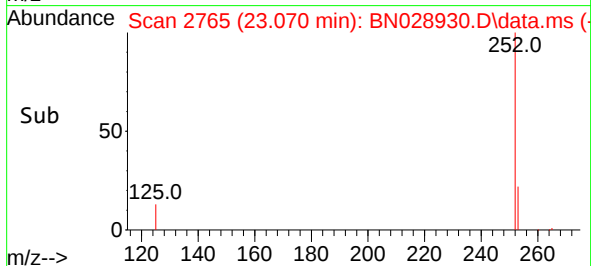
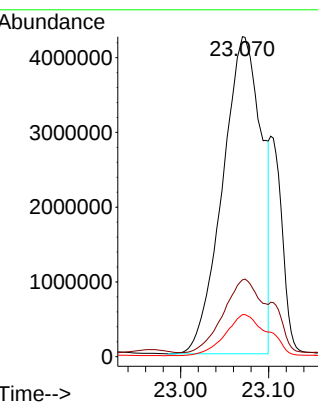
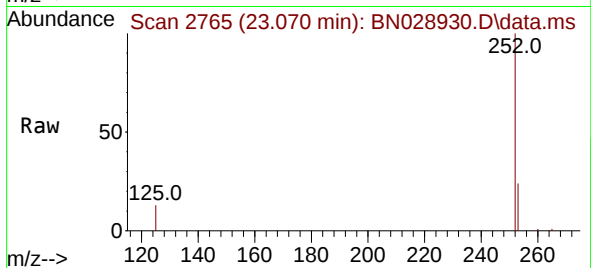
125 13.2 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#38

Benzo(k)fluoranthene

Concen: 10.845 ng m

RT: 23.102 min Scan# 2776

Delta R.T. 0.053 min

Lab File: BN028930.D

Acq: 01 Dec 2023 03:33

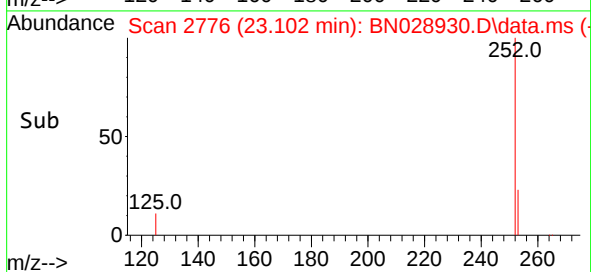
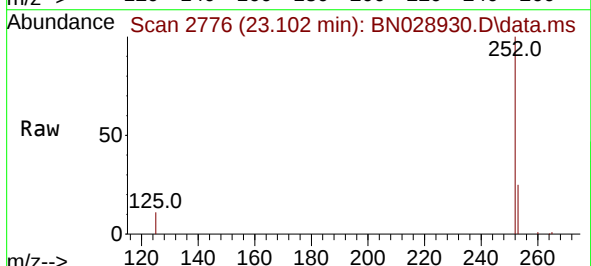
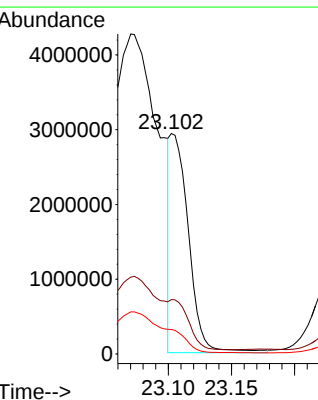
Tgt Ion:252 Resp: 2992758

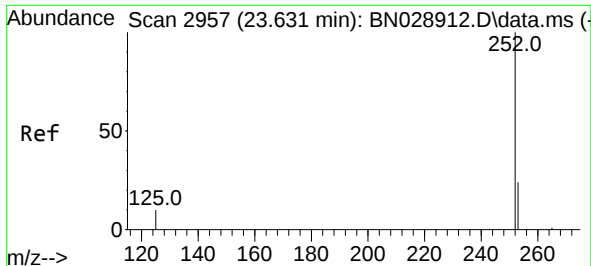
Ion Ratio Lower Upper

252 100

253 24.7 95.2 142.8

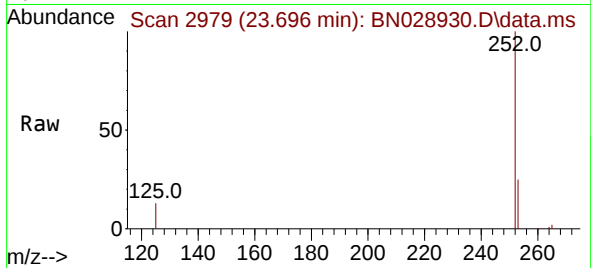
125 11.1 24.3 36.5





#39
Benzo(a)pyrene
Concen: 54.492 ng
RT: 23.696 min Scan# 2957
Delta R.T. 0.091 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

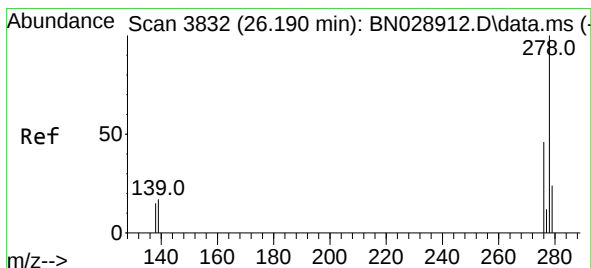
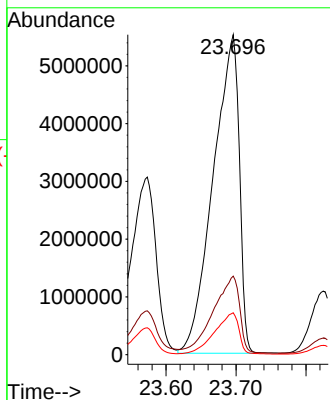
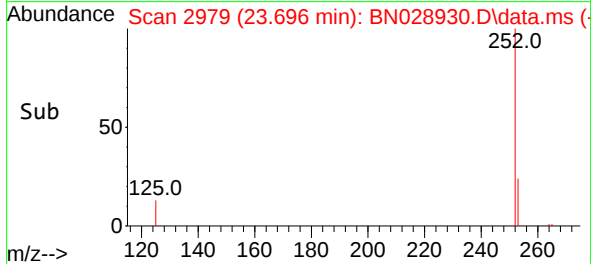
Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)



Tgt Ion:252 Resp:1423552
Ion Ratio Lower Upper
252 100
253 24.5 110.2 165.4#
125 13.1 27.0 40.4#

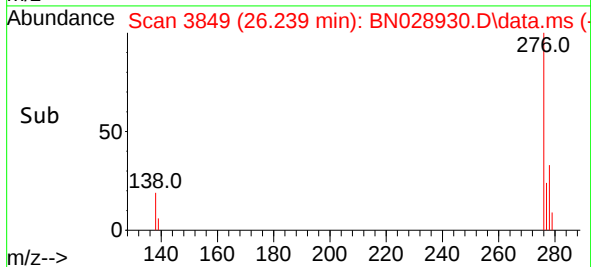
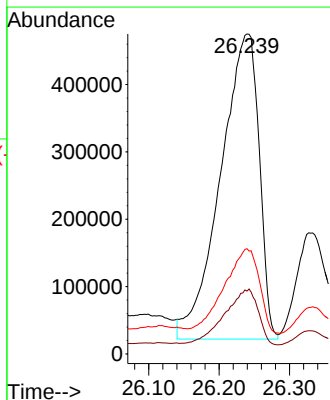
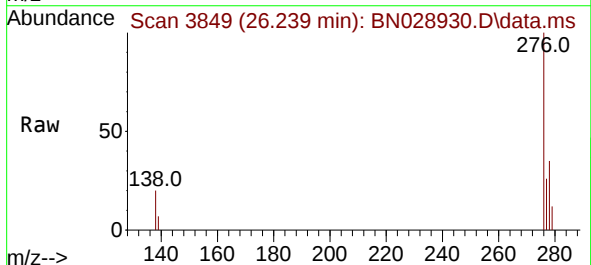
Manual Integrations
APPROVED

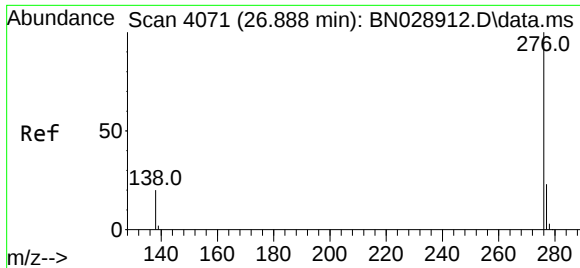
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#40
Dibenzo(a,h)anthracene
Concen: 7.162 ng m
RT: 26.239 min Scan# 3849
Delta R.T. 0.099 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

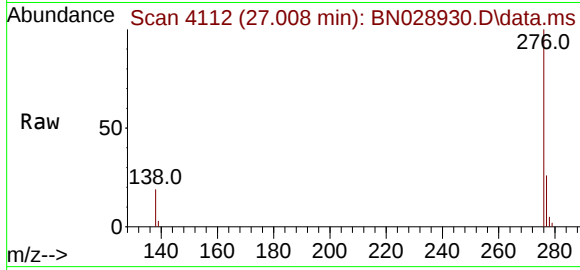
Tgt Ion:278 Resp: 1726650
Ion Ratio Lower Upper
278 100
139 19.6 22.6 33.8#
279 32.9 102.6 153.8#





#41
Benzo(g,h,i)perylene
Concen: 21.006 ng
RT: 27.008 min Scan# 41
Delta R.T. 0.167 min
Lab File: BN028930.D
Acq: 01 Dec 2023 03:33

Instrument :
BNA_N
ClientSampleId :
L-3(120FT)(0-5)



Tgt Ion:276 Resp: 5696528
Ion Ratio Lower Upper
276 100
277 25.6 28.9 43.3
138 19.0 36.2 54.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

