

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028258.D
 Acq On : 12 Oct 2023 07:03
 Operator : MA/JU
 Sample : 04805-01 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 B-1(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023

Quant Time: Oct 12 07:32:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 06:39:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	822	0.400	ng	# 0.00
7) Naphthalene-d8	10.725	136	2650	0.400	ng	#-0.01
13) Acenaphthene-d10	14.566	164	2787	0.400	ng	# 0.00
19) Phenanthrene-d10	17.319	188	3916	0.400	ng	# 0.00
29) Chrysene-d12	21.497	240	4331	0.400	ng	#-0.02
35) Perylene-d12	23.966	264	3610	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.452	112	761	0.310	ng	-0.01
5) Phenol-d6	7.084	99	891	0.288	ng	0.00
8) Nitrobenzene-d5	9.112	82	922	0.409	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	1245	0.317	ng	-0.01
14) 2,4,6-Tribromophenol	16.065	330	274	0.215	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	1705	0.170	ng	-0.01
27) Fluoranthene-d10	19.360	212	996	0.101	ng	0.00
31) Terphenyl-d14	19.932	244	7694	0.761	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.778	128	457615	66.834	ng	99
12) 2-Methylnaphthalene	12.389	142	189002	39.459	ng	99
16) Acenaphthylene	14.288	152	974268	78.912	ng	100
17) Acenaphthene	14.630	154	323805	41.143	ng	99
18) Fluorene	15.606	166	690110	67.515	ng	96
25) Phenanthrene	17.368	178	5142480	487.096	ng	99
26) Anthracene	17.455	178	2020427	202.470	ng	98
28) Fluoranthene	19.402	202	8617984	707.314	ng	97
30) Pyrene	19.769	202	7952119	500.720	ng	98
32) Benzo(a)anthracene	21.515	228	4355222	295.518	ng	97
33) Chrysene	21.569	228	3905578m	274.988	ng	
34) Bis(2-ethylhexyl)phtha...	21.381	149	8244	0.850	ng	# 38
36) Indeno(1,2,3-cd)pyrene	26.633	276	2547530	209.798	ng	97
37) Benzo(b)fluoranthene	23.253	252	5135233	440.451	ng	# 89
38) Benzo(k)fluoranthene	23.297	252	1885164m	159.414	ng	
39) Benzo(a)pyrene	23.911	252	4078759	369.973	ng	# 85
40) Dibenzo(a,h)anthracene	26.633	278	688431	69.305	ng	98
41) Benzo(g,h,i)perylene	27.457	276	2404795	235.855	ng	96

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

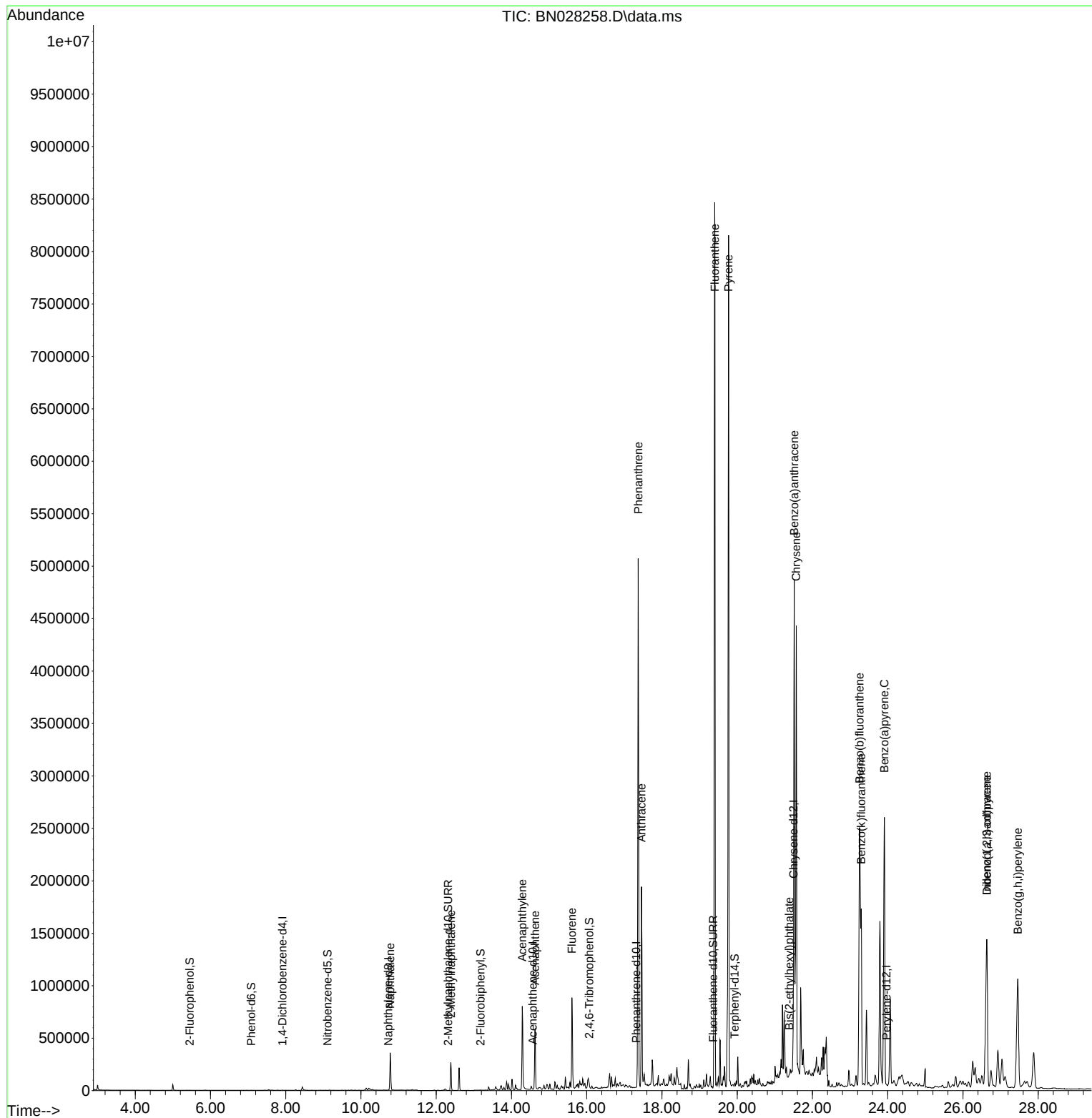
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
Data File : BN028258.D
Acq On : 12 Oct 2023 07:03
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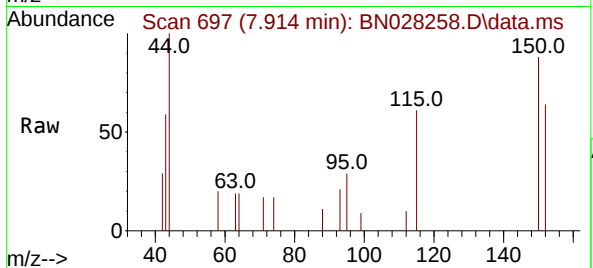
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.914 min Scan# 697
 Delta R.T. -0.008 min
 Lab File: BN028258.D
 Acq: 12 Oct 2023 07:03

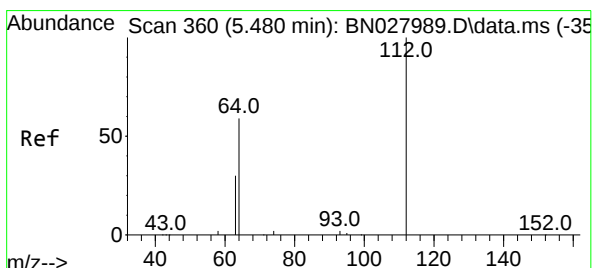
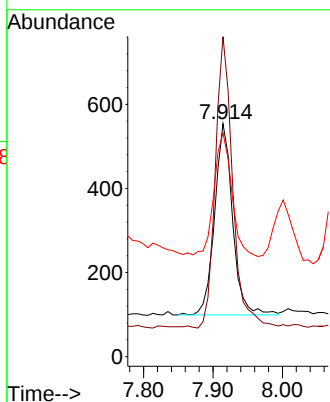
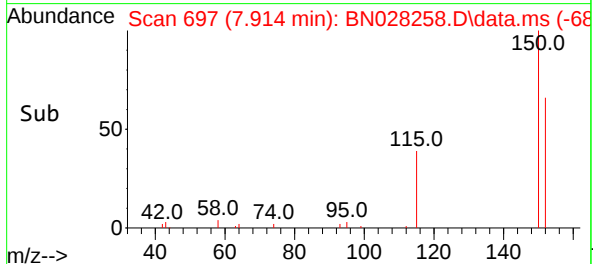
Instrument :
 BNA_N
 ClientSampleId :
 B-1(0-5)



Tgt Ion:152 Resp: 822
 Ion Ratio Lower Upper
 152 100
 150 137.4 125.6 188.4
 115 96.0 54.8 82.2

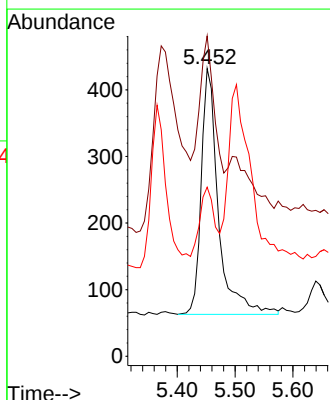
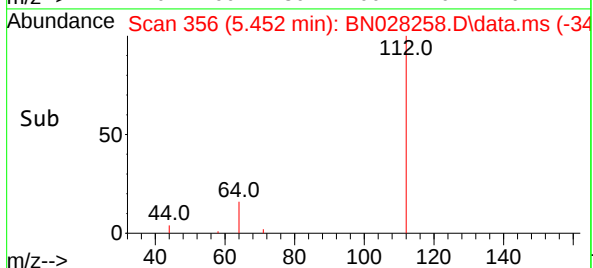
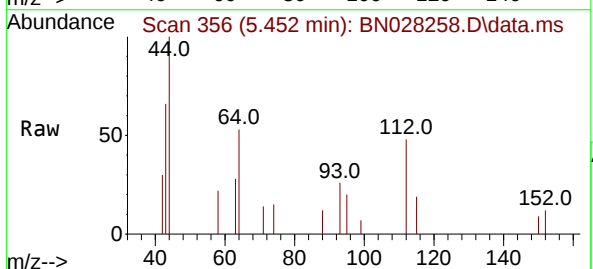
Manual Integrations
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Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023



#4
 2-Fluorophenol
 Concen: 0.310 ng
 RT: 5.452 min Scan# 356
 Delta R.T. -0.014 min
 Lab File: BN028258.D
 Acq: 12 Oct 2023 07:03

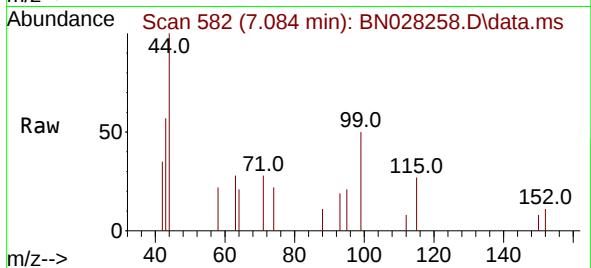
Tgt Ion:112 Resp: 761
 Ion Ratio Lower Upper
 112 100
 64 44.9 45.0 67.6#
 63 23.8 23.4 35.0





#5
Phenol-d6
Concen: 0.288 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

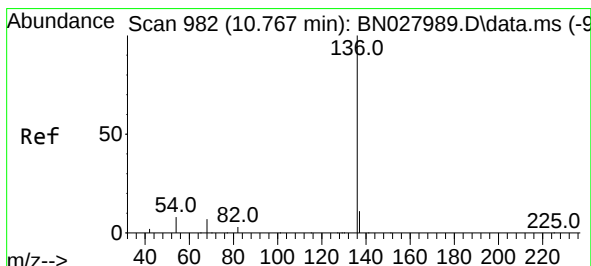
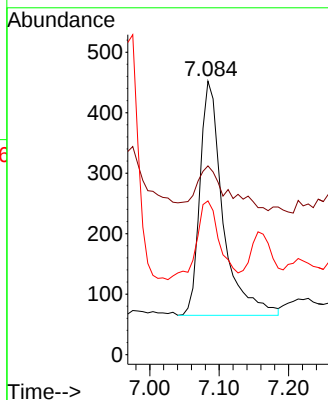
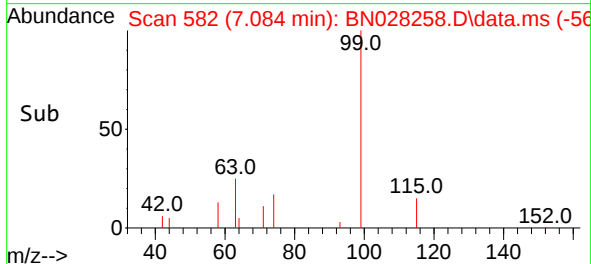
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)



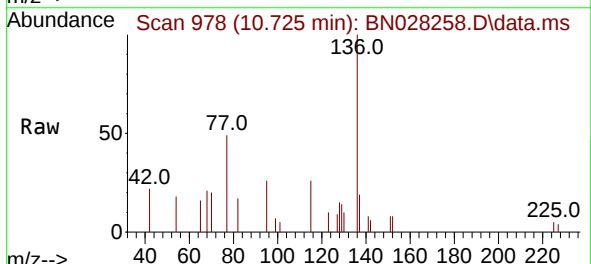
Tgt Ion: 99 Resp: 89
Ion Ratio Lower Upper
99 100
42 25.6 14.6 22.0#
71 33.4 28.3 42.5#

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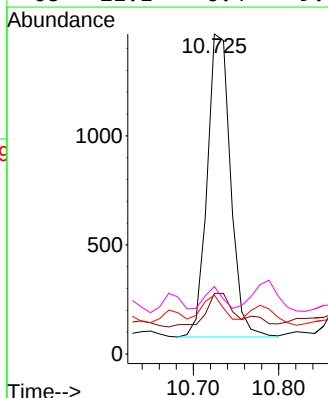
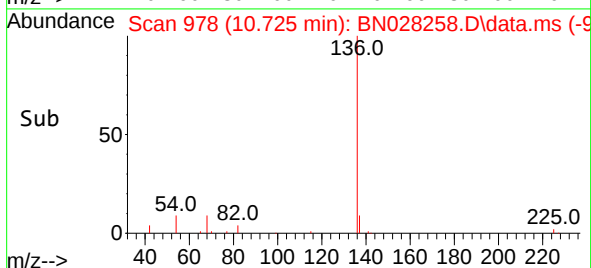
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

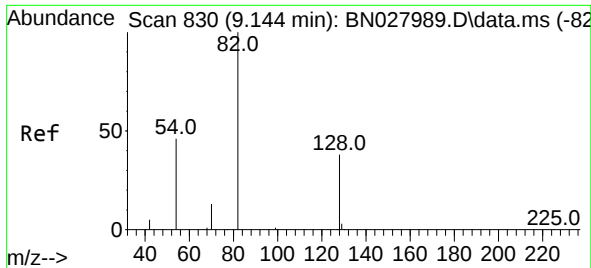


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.725 min Scan# 978
Delta R.T. -0.011 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03



Tgt Ion:136 Resp: 2650
Ion Ratio Lower Upper
136 100
137 19.0 9.4 14.0#
54 18.4 7.0 10.6#
68 21.1 6.4 9.6#





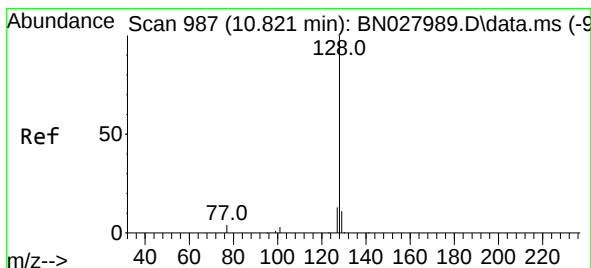
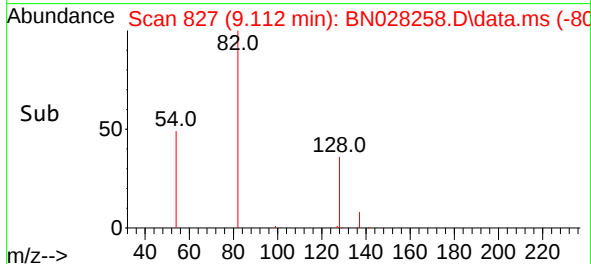
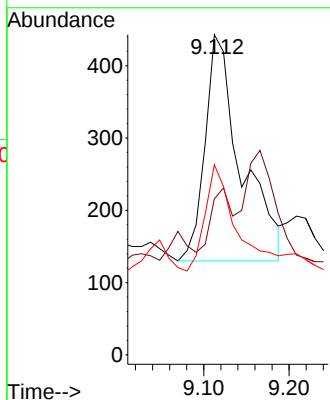
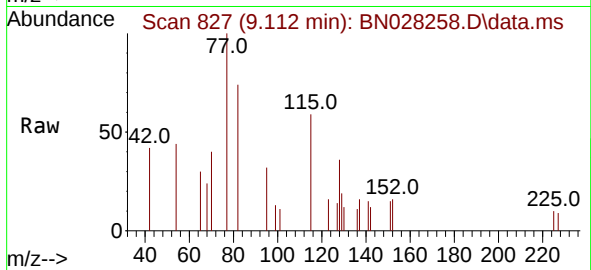
#8
Nitrobenzene-d5
Concen: 0.409 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

Instrument :
BNA_N
ClientSampleId :
B-1(0-5)

Tgt Ion: 82 Resp: 92
Ion Ratio Lower Upper
82 100
128 48.8 32.7 49.1
54 59.4 38.7 58.1

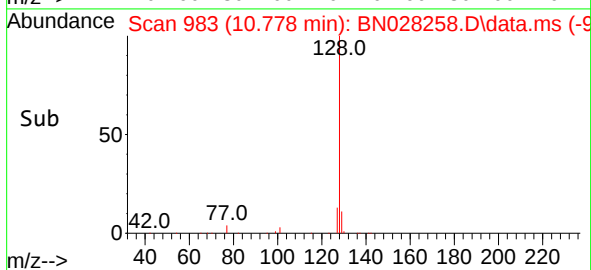
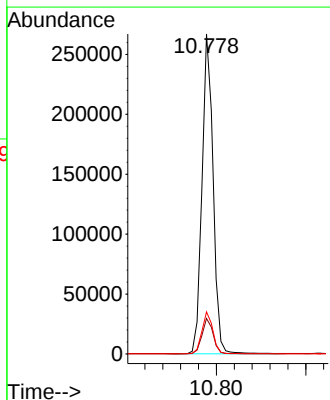
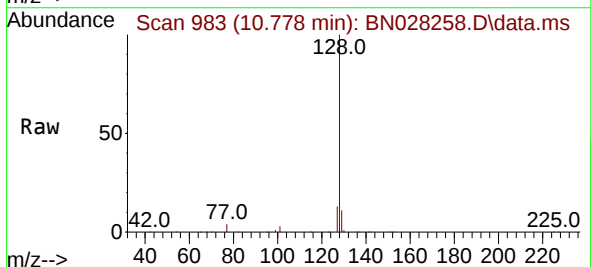
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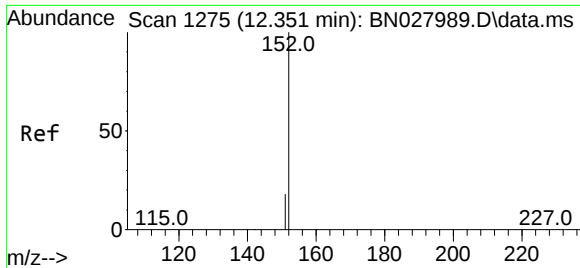
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#9
Naphthalene
Concen: 66.834 ng
RT: 10.778 min Scan# 983
Delta R.T. -0.011 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

Tgt Ion:128 Resp: 457615
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 13.2 10.9 16.3





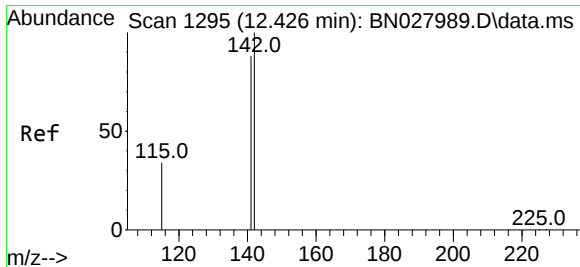
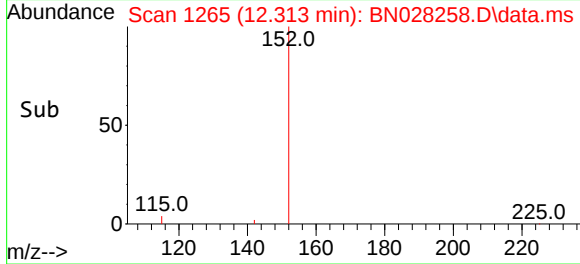
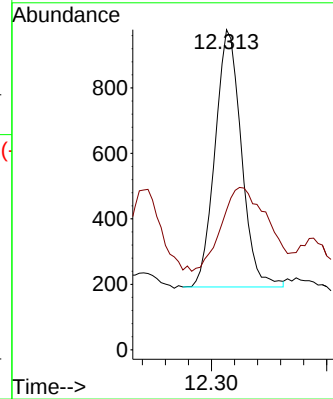
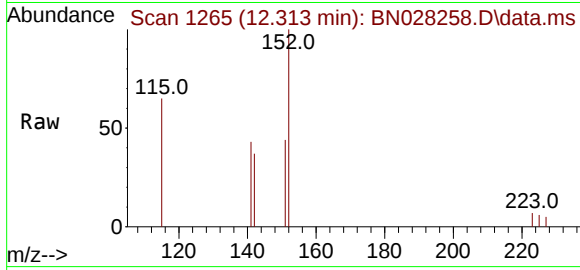
#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 12.313 min Scan# 1245
Delta R.T. -0.011 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

Instrument :
BNA_N
ClientSampleId :
B-1(0-5)

Tgt Ion:152 Resp: 1245
Ion Ratio Lower Upper
152 100
151 57.7 16.5 24.75

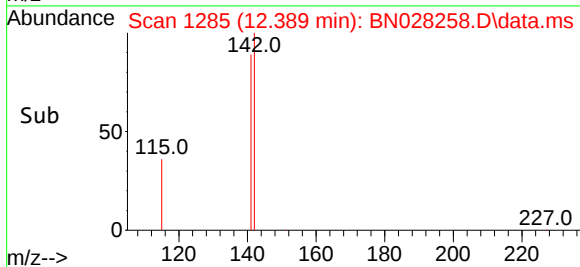
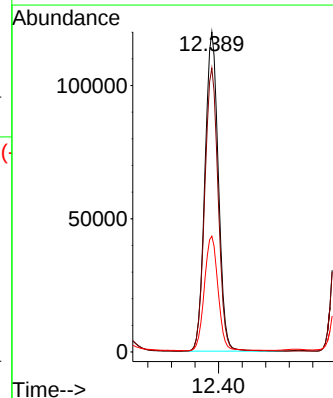
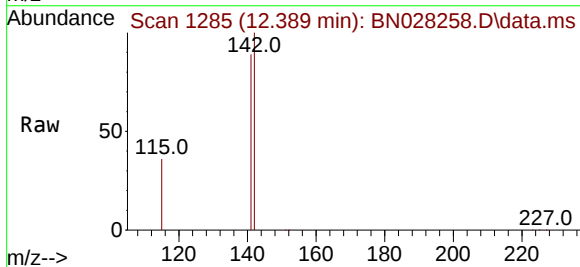
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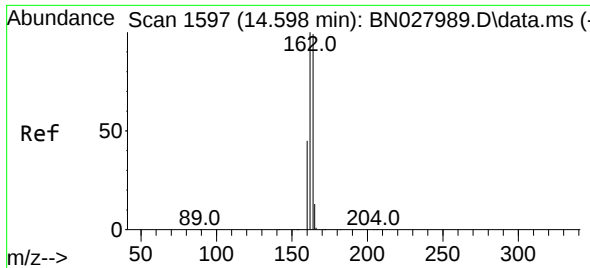
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#12
2-Methylnaphthalene
Concen: 39.459 ng
RT: 12.389 min Scan# 1285
Delta R.T. -0.011 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

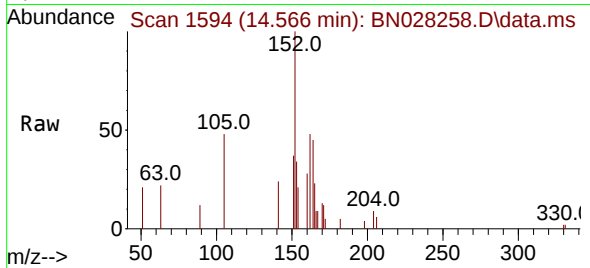
Tgt Ion:142 Resp: 189002
Ion Ratio Lower Upper
142 100
141 88.7 70.7 106.1
115 36.2 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

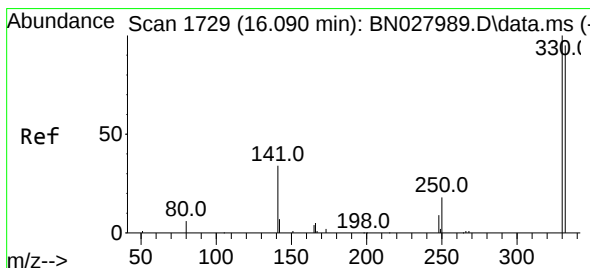
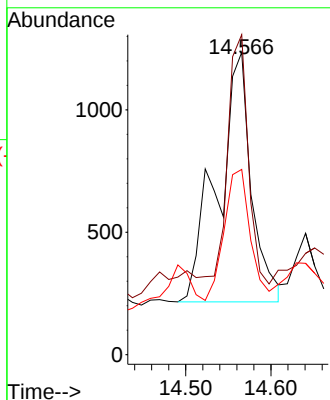
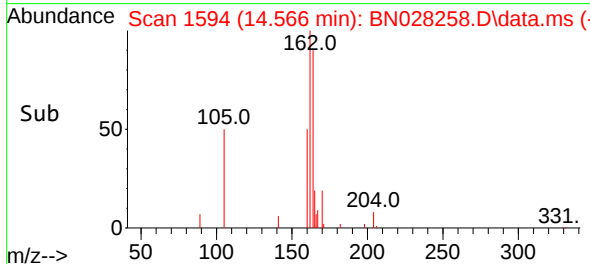
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)



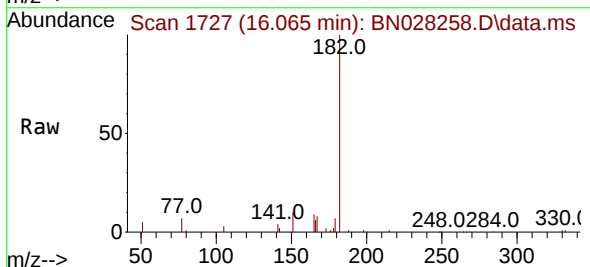
Tgt Ion:164 Resp: 278
Ion Ratio Lower Upper
164 100
162 105.8 80.8 121.2
160 61.3 36.4 54.6

Manual Integrations
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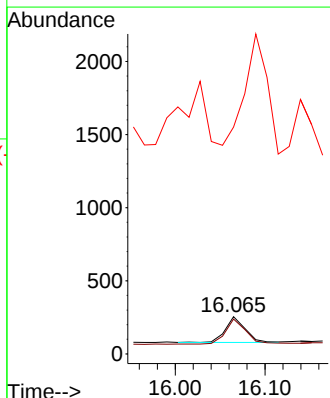
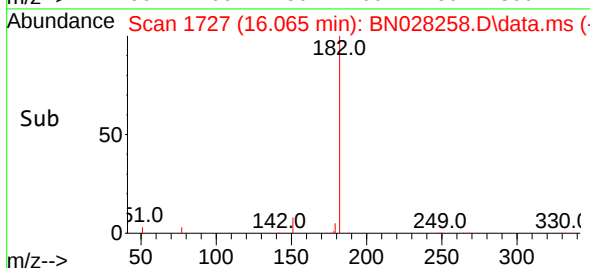
Reviewed By :Yogesh Patel 10/12/2023
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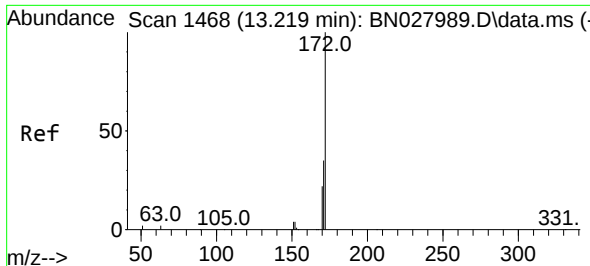


#14
2,4,6-Tribromophenol
Concen: 0.215 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03



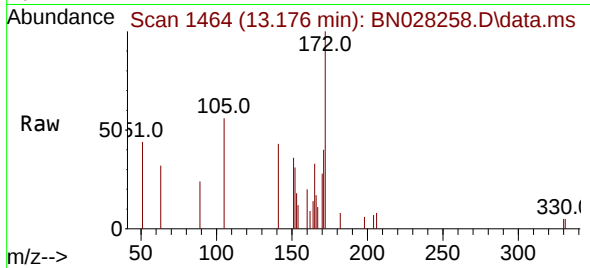
Tgt Ion:330 Resp: 274
Ion Ratio Lower Upper
330 100
332 98.5 78.1 117.1
141 0.0 33.4 50.2





#15
2-Fluorobiphenyl
Concen: 0.170 ng
RT: 13.176 min Scan# 1464
Delta R.T. -0.011 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

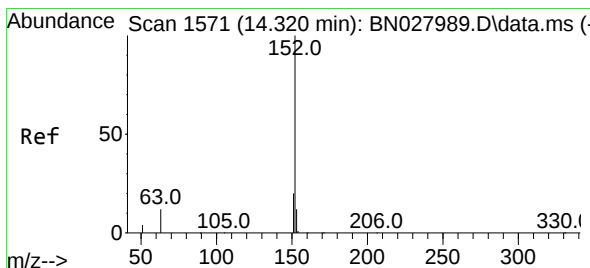
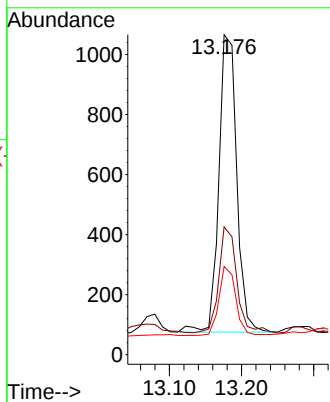
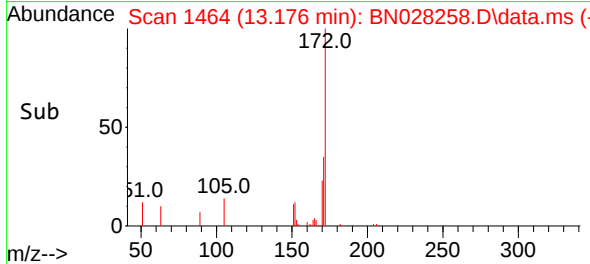
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)



Tgt Ion:172 Resp: 1709
Ion Ratio Lower Upper
172 100
171 40.0 28.1 42.1
170 27.6 18.4 27.6

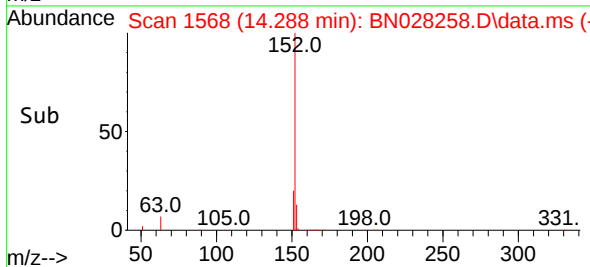
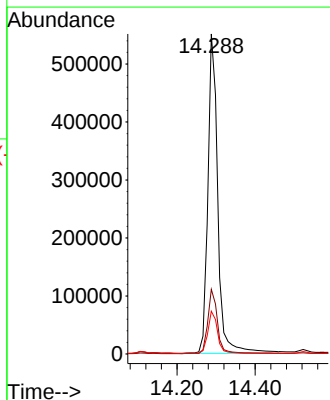
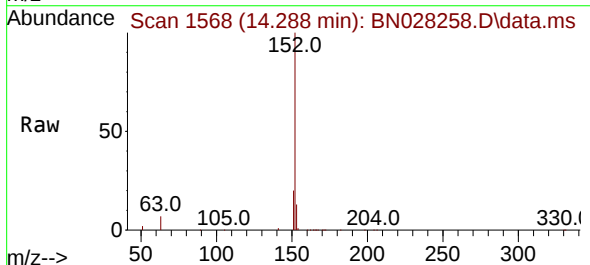
Manual Integrations
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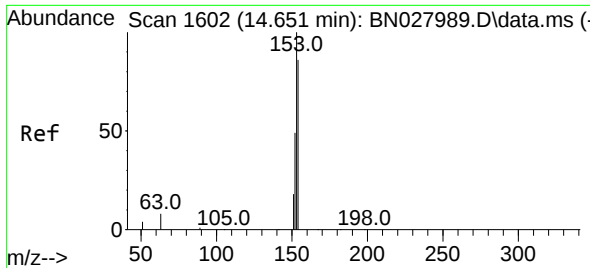
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#16
Acenaphthylene
Concen: 78.912 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

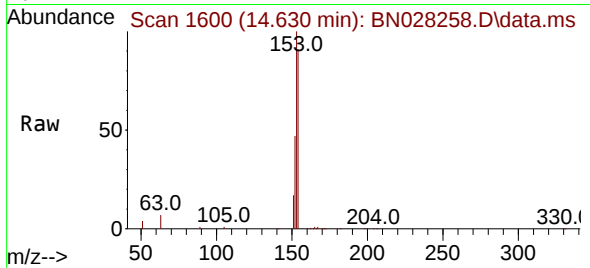
Tgt Ion:152 Resp: 974268
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.3 10.2 15.4





#17
Acenaphthene
Concen: 41.143 ng
RT: 14.630 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

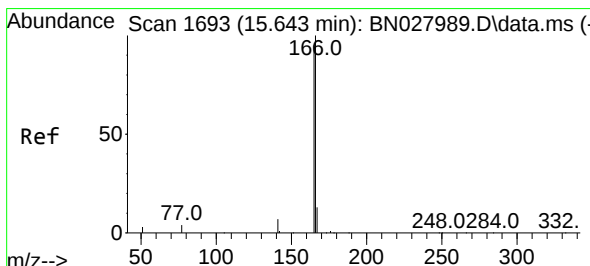
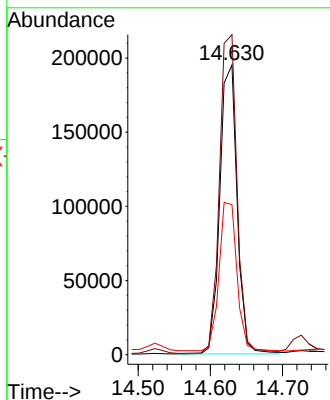
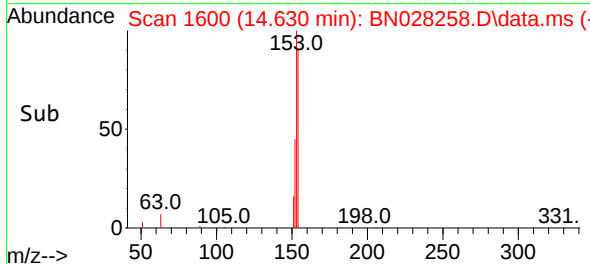
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)



Tgt Ion:154 Resp: 32380
Ion Ratio Lower Upper
154 100
153 112.6 90.8 136.2
152 53.0 43.9 65.9

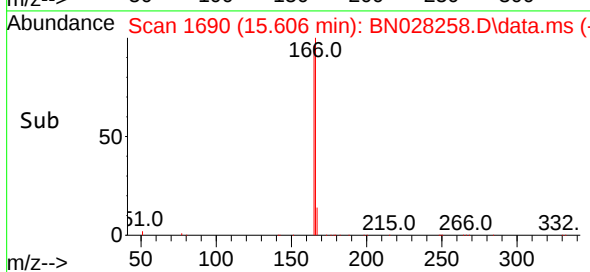
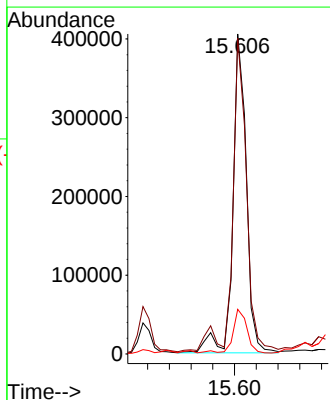
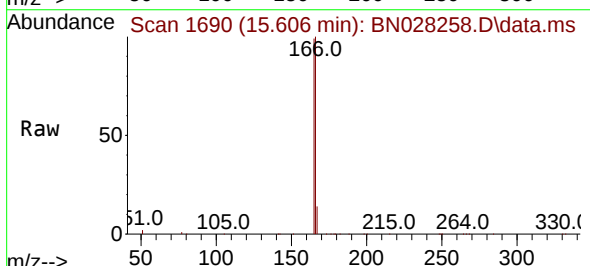
Manual Integrations
APPROVED

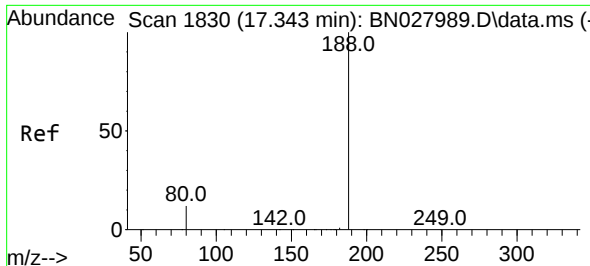
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#18
Fluorene
Concen: 67.515 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

Tgt Ion:166 Resp: 690110
Ion Ratio Lower Upper
166 100
165 101.9 77.8 116.8
167 14.3 10.7 16.1





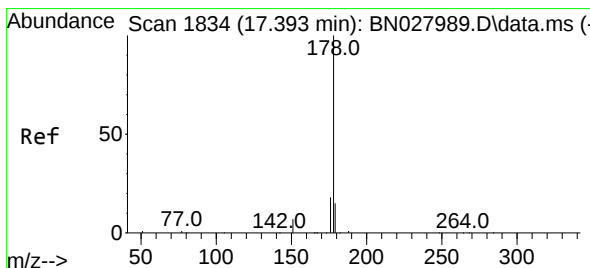
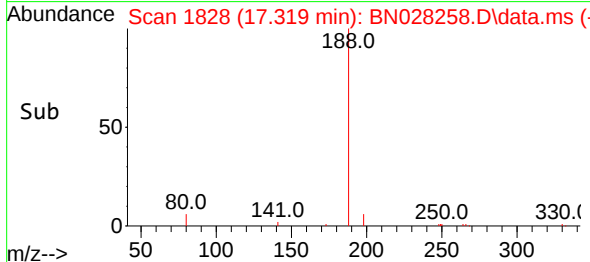
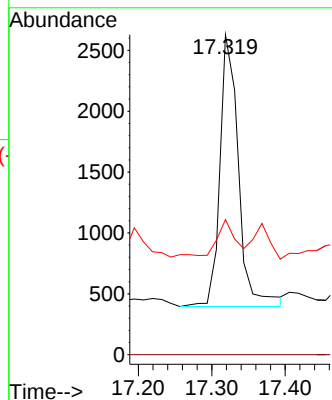
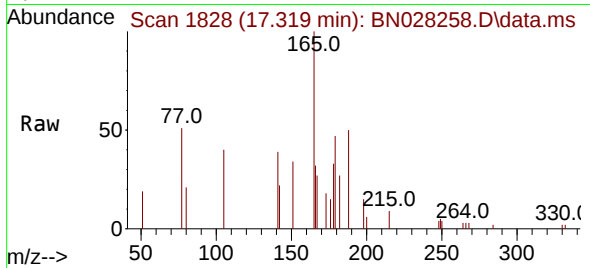
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

Instrument :
BNA_N
ClientSampleId :
B-1(0-5)

Tgt Ion:188 Resp: 3910
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 42.2 10.2 15.4

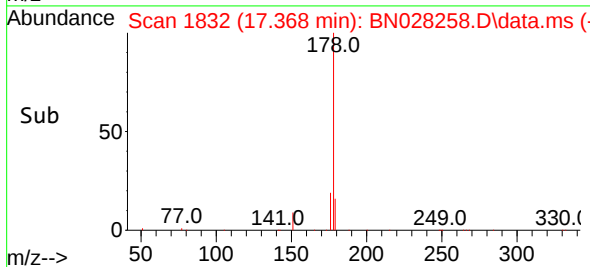
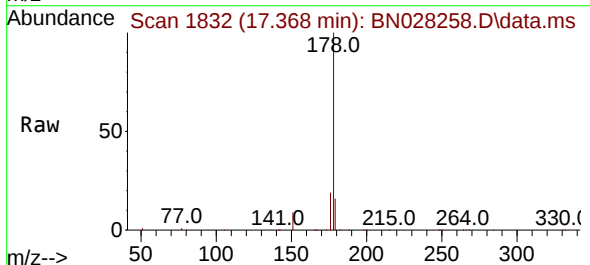
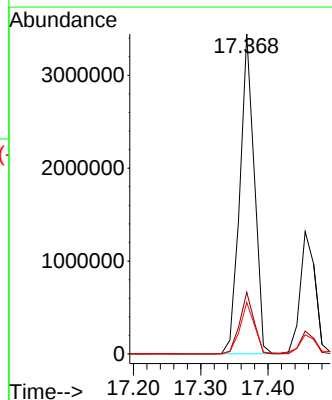
Manual Integrations
APPROVED

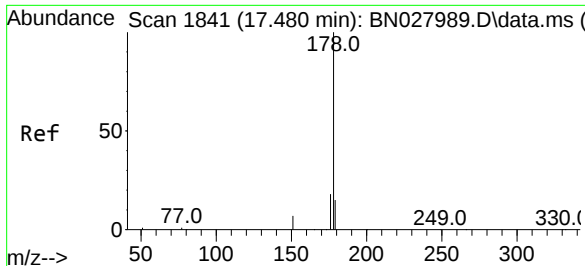
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#25
Phenanthrene
Concen: 487.096 ng
RT: 17.368 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

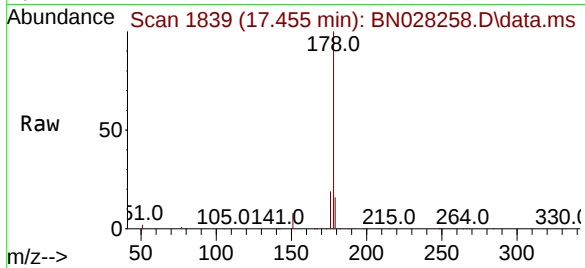
Tgt Ion:178 Resp: 5142480
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.2 12.4 18.6





#26
 Anthracene
 Concen: 202.470 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028258.D
 Acq: 12 Oct 2023 07:03

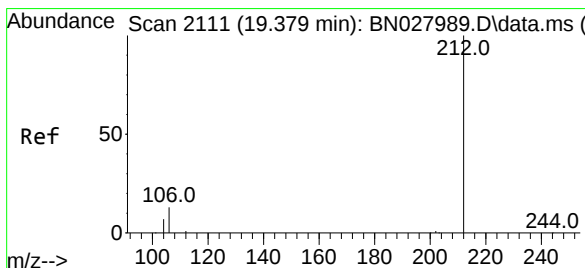
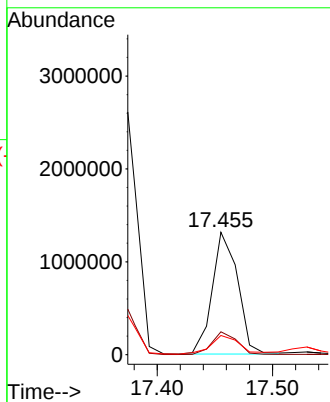
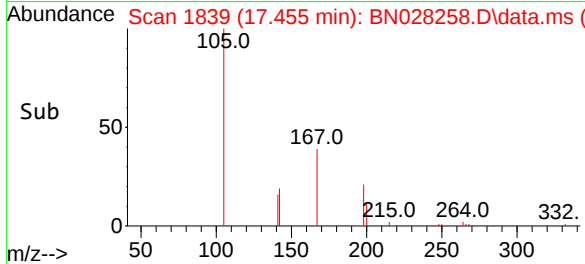
Instrument :
 BNA_N
 ClientSampleId :
 B-1(0-5)



Tgt Ion:178 Resp: 202042
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.7 22.1
 179 16.8 12.2 18.2

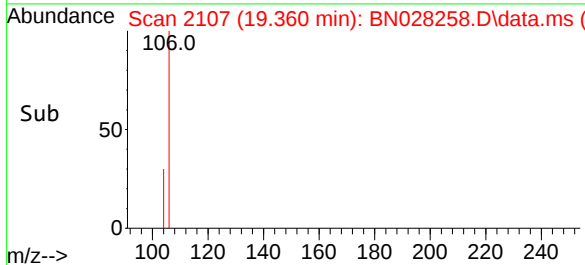
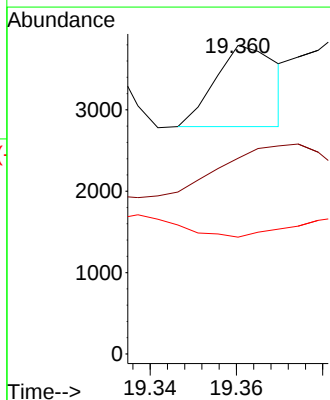
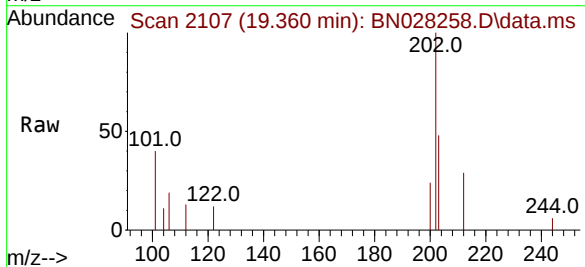
Manual Integrations
 APPROVED

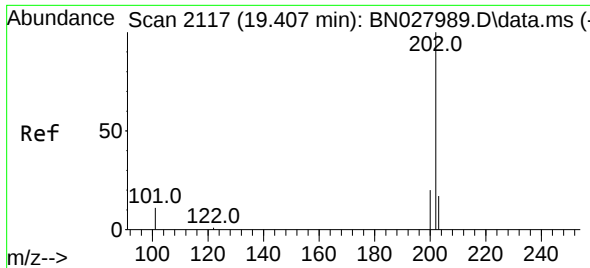
Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023



#27
 Fluoranthene-d10
 Concen: 0.101 ng
 RT: 19.360 min Scan# 2107
 Delta R.T. 0.005 min
 Lab File: BN028258.D
 Acq: 12 Oct 2023 07:03

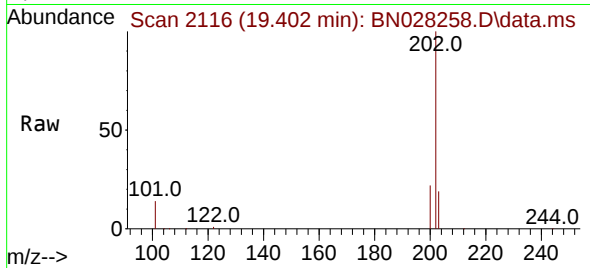
Tgt Ion:212 Resp: 996
 Ion Ratio Lower Upper
 212 100
 106 165.3 11.3 16.9#
 104 0.0 6.4 9.6#





#28
Fluoranthene
Concen: 707.314 ng
RT: 19.402 min Scan# 2116
Delta R.T. 0.019 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

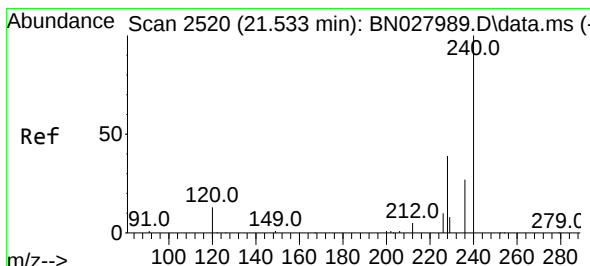
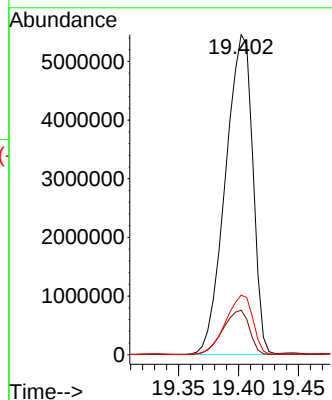
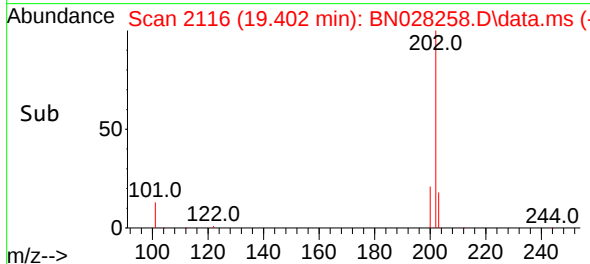
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)



Tgt Ion:202 Resp: 8617984
Ion Ratio Lower Upper
202 100
101 13.5 9.8 14.6
203 18.3 13.8 20.8

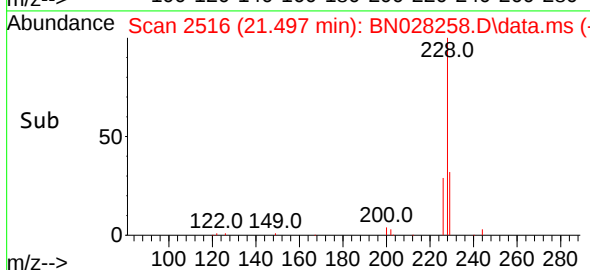
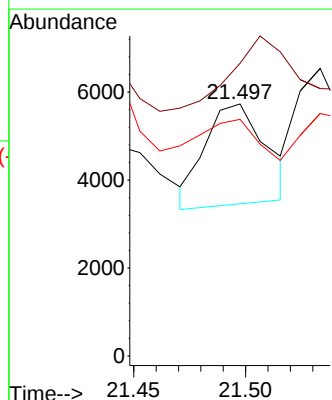
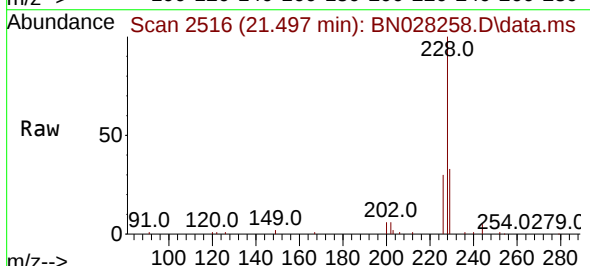
Manual Integrations
APPROVED

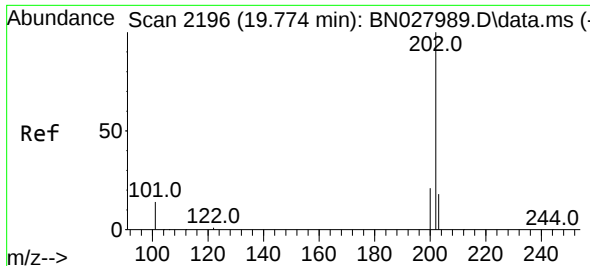
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.497 min Scan# 2516
Delta R.T. -0.018 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

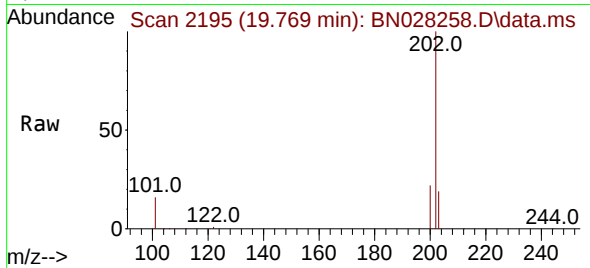
Tgt Ion:240 Resp: 4331
Ion Ratio Lower Upper
240 100
120 116.1 13.8 20.6#
236 93.9 22.6 33.8#





#30
Pyrene
Concen: 500.720 ng
RT: 19.769 min Scan# 2196
Delta R.T. 0.019 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

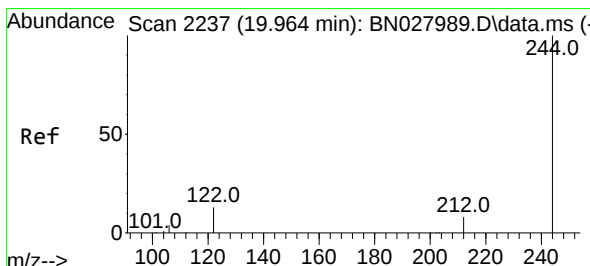
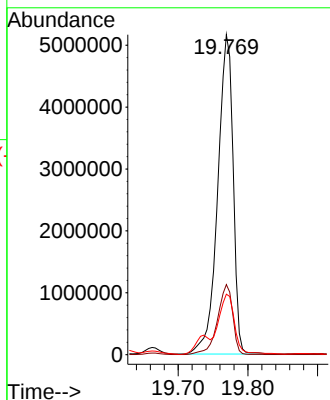
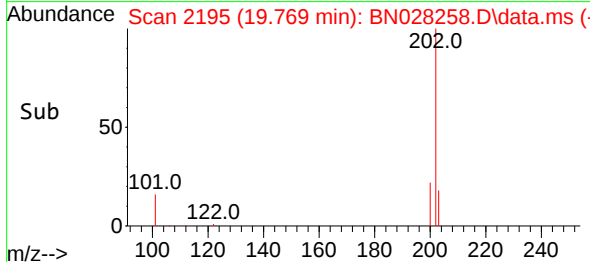
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)



Tgt Ion:202 Resp: 7952119
Ion Ratio Lower Upper
202 100
200 21.5 16.5 24.7
203 19.1 14.7 22.1

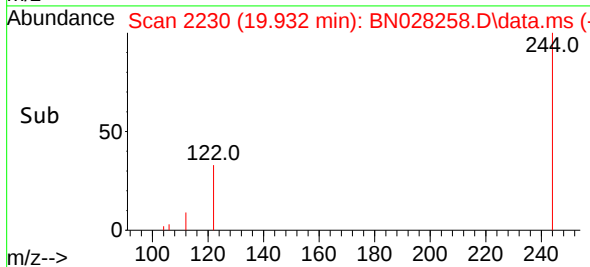
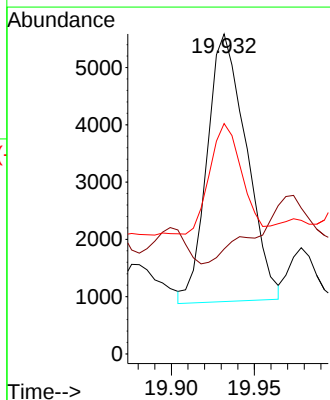
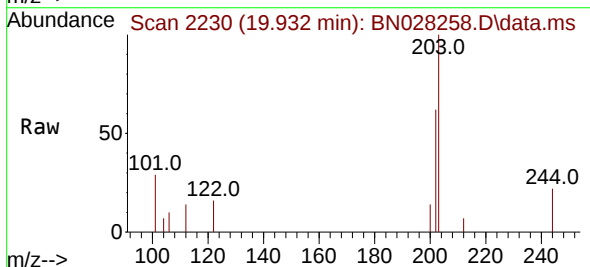
Manual Integrations
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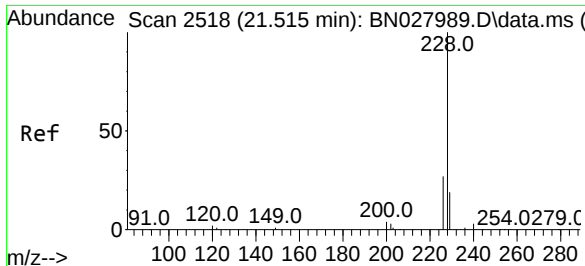
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#31
Terphenyl-d14
Concen: 0.761 ng
RT: 19.932 min Scan# 2230
Delta R.T. -0.009 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

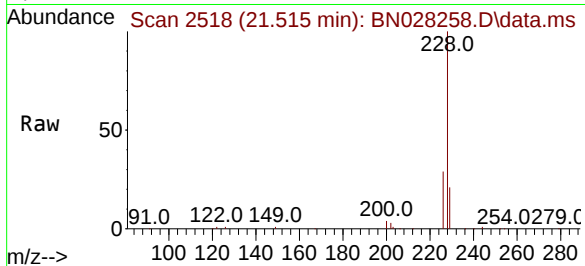
Tgt Ion:244 Resp: 7694
Ion Ratio Lower Upper
244 100
212 32.8 6.6 9.8#
122 72.0 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 295.518 ng
RT: 21.515 min Scan# 21518
Delta R.T. 0.018 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

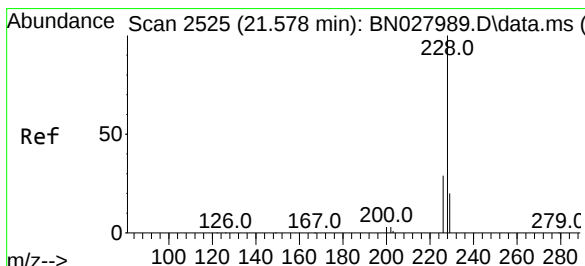
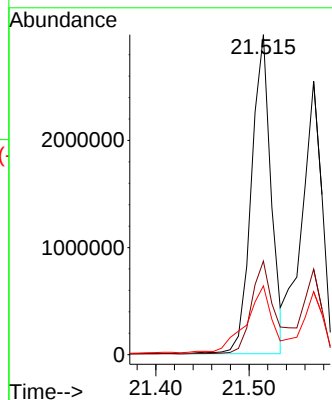
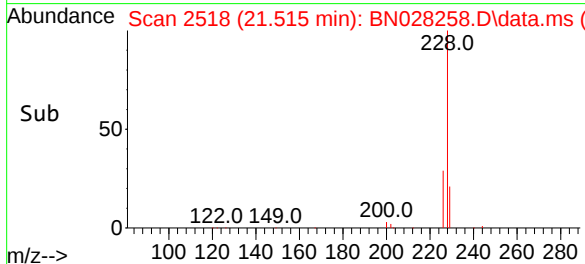
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)



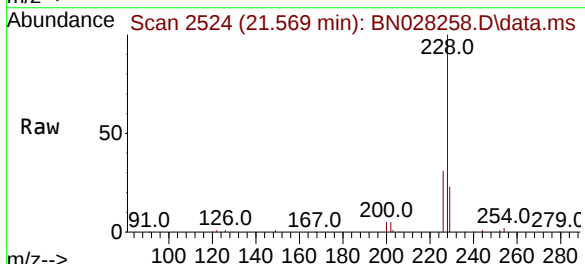
Tgt Ion:228 Resp: 435522
Ion Ratio Lower Upper
228 100
226 29.3 22.0 33.0
229 21.5 16.0 24.0

Manual Integrations
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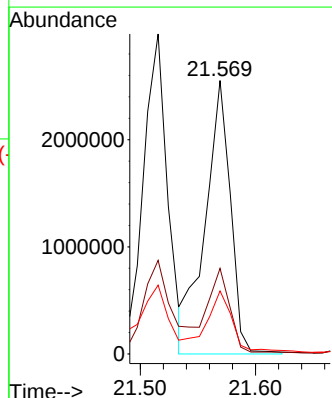
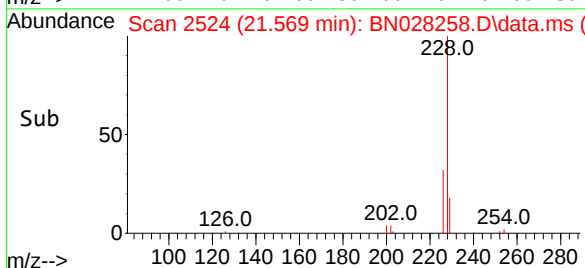
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

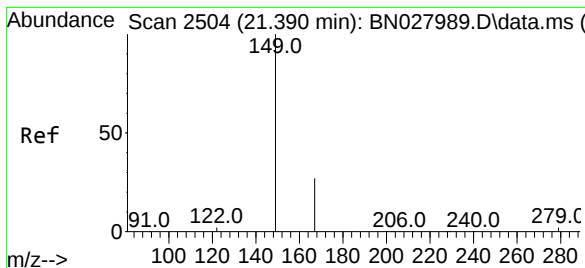


#33
Chrysene
Concen: 274.988 ng m
RT: 21.569 min Scan# 2524
Delta R.T. 0.018 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03



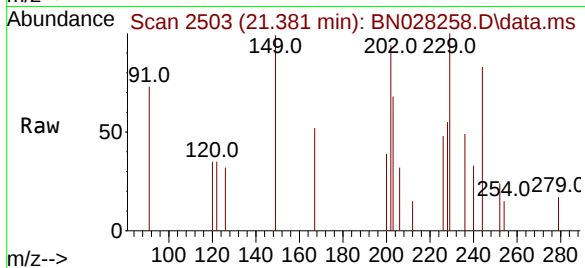
Tgt Ion:228 Resp: 3905578
Ion Ratio Lower Upper
228 100
226 31.3 23.8 35.8
229 23.1 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.850 ng
RT: 21.381 min Scan# 2130
Delta R.T. 0.018 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

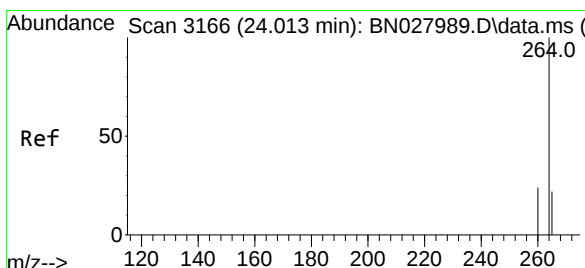
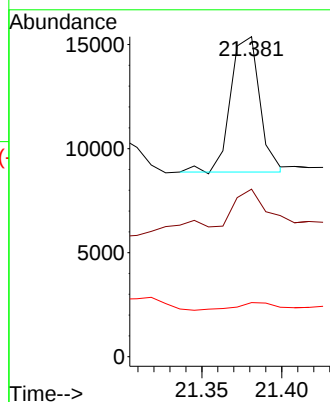
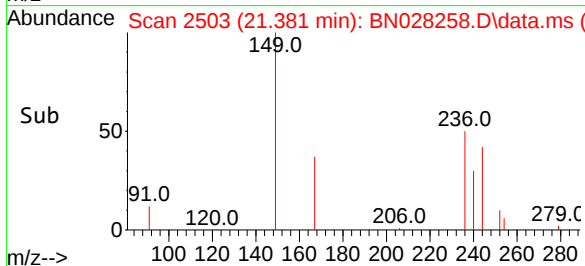
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)



Tgt Ion:149 Resp: 8244
Ion Ratio Lower Upper
149 100
167 64.2 22.1 33.1#
279 8.3 3.4 5.0#

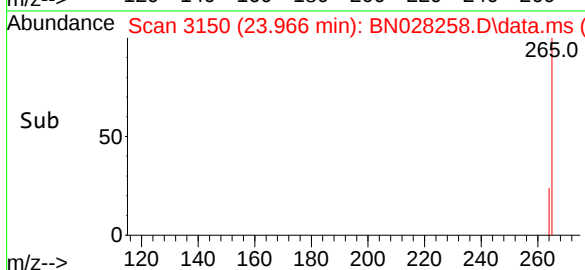
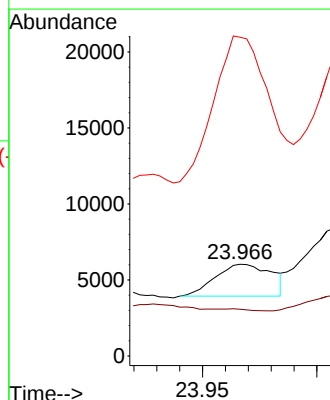
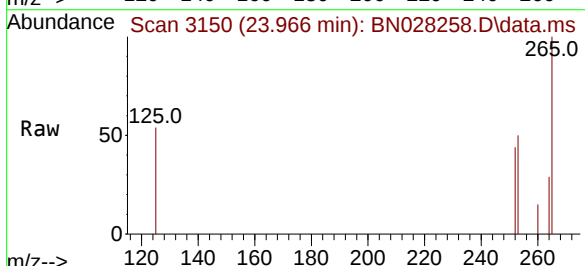
Manual Integrations
APPROVED

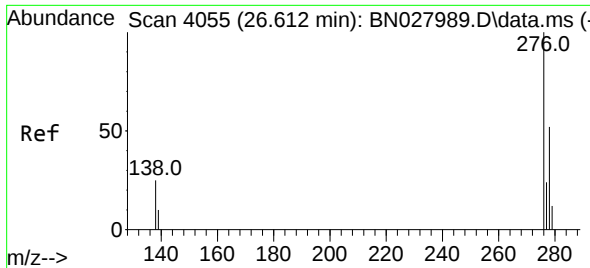
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.966 min Scan# 3150
Delta R.T. -0.009 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

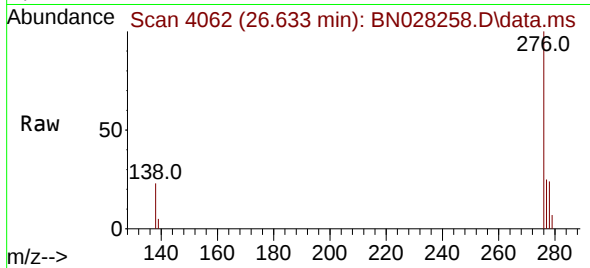
Tgt Ion:264 Resp: 3610
Ion Ratio Lower Upper
264 100
260 50.9 20.2 30.4#
265 347.6 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 209.798 ng
RT: 26.633 min Scan# 4055
Delta R.T. 0.076 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

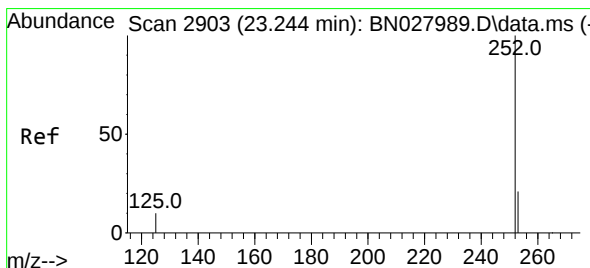
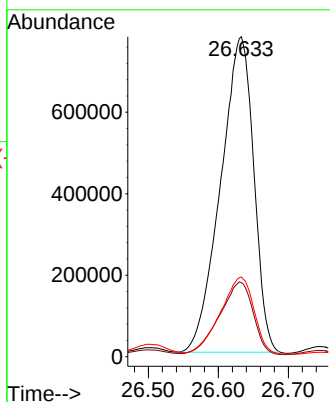
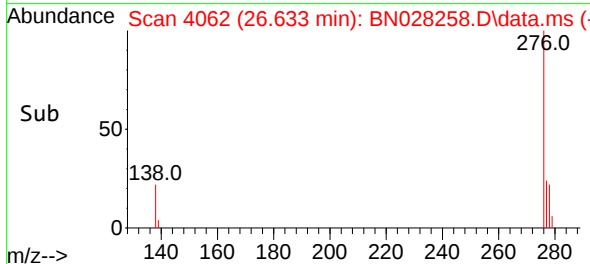
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)



Tgt Ion:276 Resp: 2547530
Ion Ratio Lower Upper
276 100
138 23.2 20.9 31.3
277 24.3 19.8 29.6

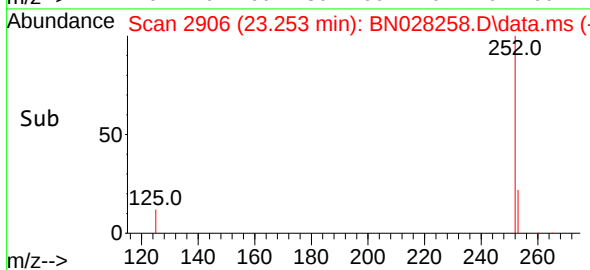
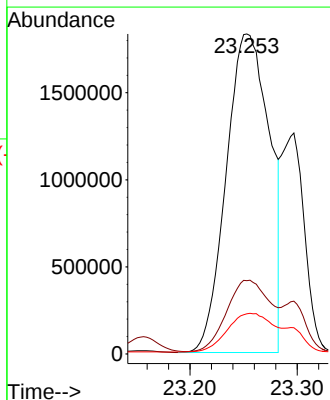
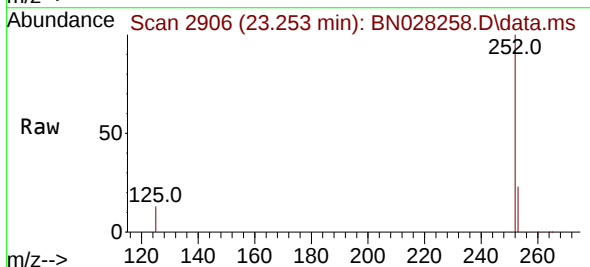
Manual Integrations
APPROVED

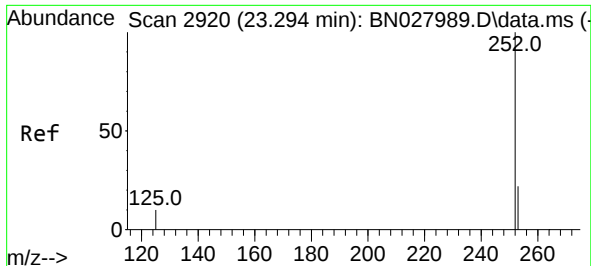
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#37
Benzo(b)fluoranthene
Concen: 440.451 ng
RT: 23.253 min Scan# 2906
Delta R.T. 0.041 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

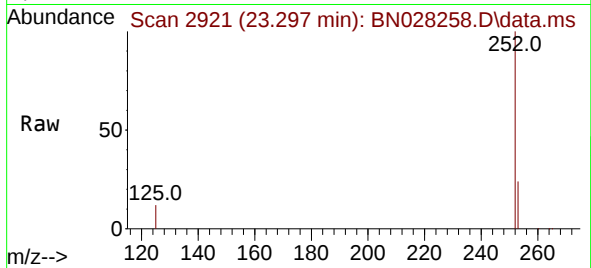
Tgt Ion:252 Resp: 5135233
Ion Ratio Lower Upper
252 100
253 22.9 22.9 34.3
125 12.6 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 159.414 ng m
RT: 23.297 min Scan# 2920
Delta R.T. 0.035 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

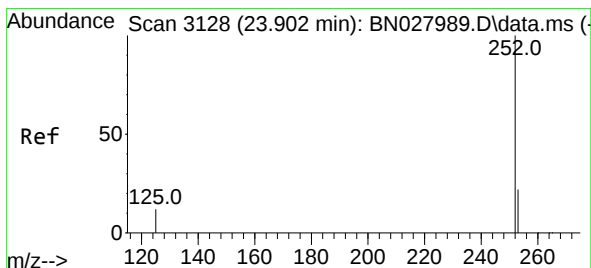
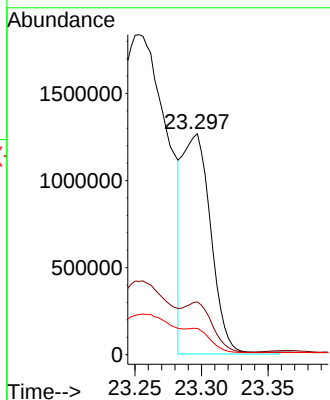
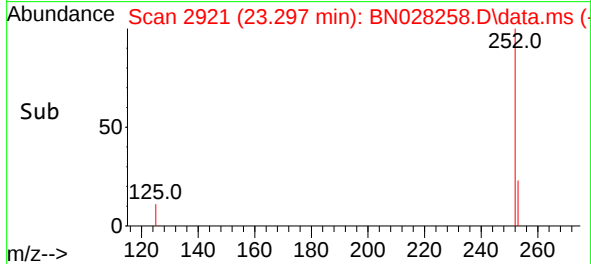
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)



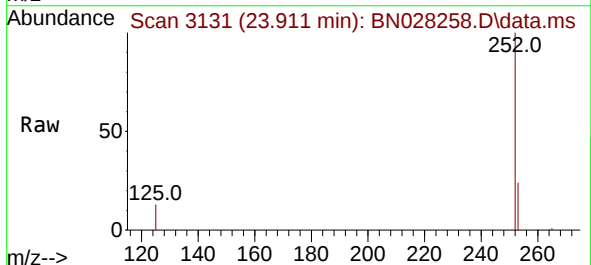
Tgt Ion:252 Resp: 1885164
Ion Ratio Lower Upper
252 100
253 23.9 23.1 34.7
125 11.9 13.8 20.8

Manual Integrations
APPROVED

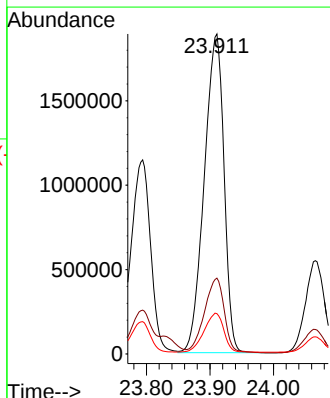
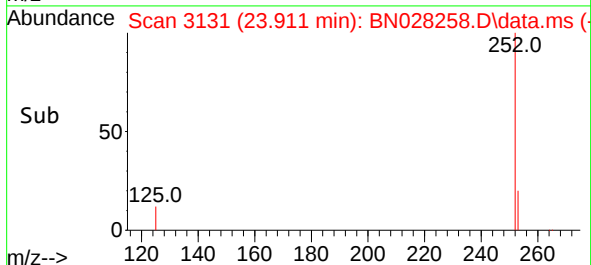
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

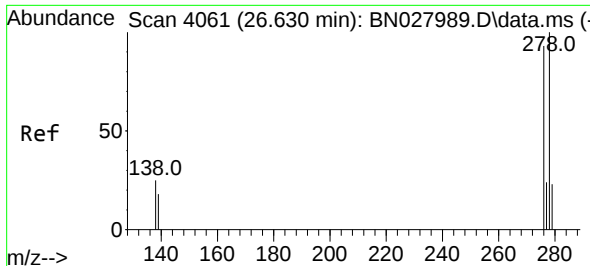


#39
Benzo(a)pyrene
Concen: 369.973 ng
RT: 23.911 min Scan# 3131
Delta R.T. 0.047 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03



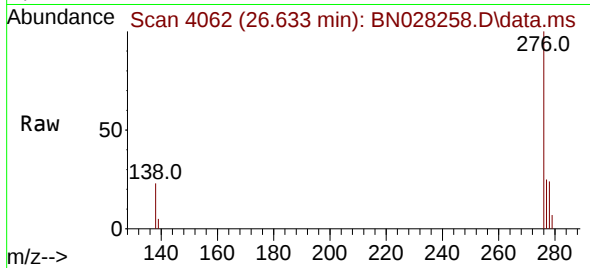
Tgt Ion:252 Resp: 4078759
Ion Ratio Lower Upper
252 100
253 23.7 25.0 37.4#
125 12.6 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 69.305 ng
RT: 26.633 min Scan# 4061
Delta R.T. 0.055 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

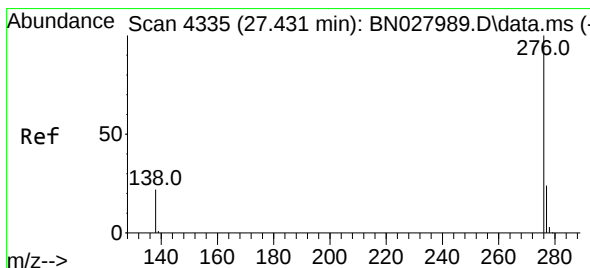
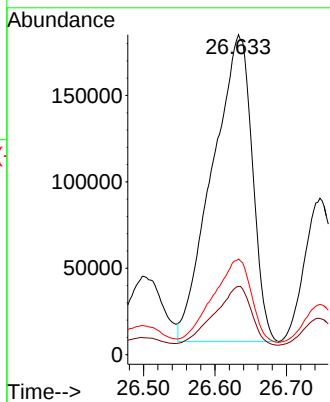
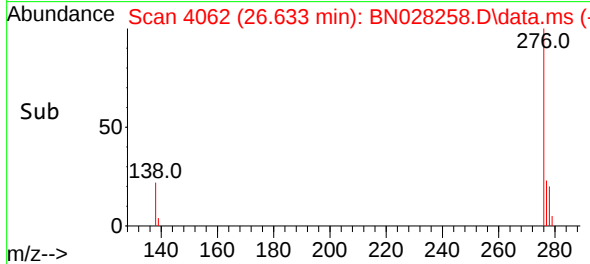
Instrument :
BNA_N
ClientSampleId :
B-1(0-5)



Tgt Ion:278 Resp: 68843
Ion Ratio Lower Upper
278 100
139 21.3 17.7 26.5
279 29.9 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#41
Benzo(g,h,i)perylene
Concen: 235.855 ng
RT: 27.457 min Scan# 4344
Delta R.T. 0.091 min
Lab File: BN028258.D
Acq: 12 Oct 2023 07:03

Tgt Ion:276 Resp: 2404795
Ion Ratio Lower Upper
276 100
277 25.3 22.1 33.1
138 23.6 20.8 31.2

