

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028196.D
 Acq On : 10 Oct 2023 14:25
 Operator : MA/JU
 Sample : 04657-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 U-2(0-2IN)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

Quant Time: Oct 10 15:38:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	4508	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	13850	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	7823	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	15198	0.400	ng	0.00
29) Chrysene-d12	21.515	240	13684m	0.400	ng	0.00
35) Perylene-d12	23.981	264	21269m	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	3101	0.231	ng	0.00
5) Phenol-d6	7.084	99	3736	0.220	ng	0.00
8) Nitrobenzene-d5	9.123	82	3061	0.260	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	4152	0.202	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	740	0.207	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	5560	0.197	ng	0.00
27) Fluoranthene-d10	19.351	212	7378	0.193	ng	0.00
31) Terphenyl-d14	19.941	244	7812	0.245	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	189494	5.295	ng	98
12) 2-Methylnaphthalene	12.392	142	53591	2.141	ng	99
16) Acenaphthylene	14.288	152	693353	20.007	ng	99
17) Acenaphthene	14.619	154	44736	2.025	ng	99
18) Fluorene	15.606	166	152711	5.322	ng	92
25) Phenanthrene	17.356	178	2101137	51.281	ng	100
26) Anthracene	17.455	178	904666	23.359	ng	97
28) Fluoranthene	19.388	202	3778857	79.914	ng	98
30) Pyrene	19.755	202	3803203	75.794	ng	98
32) Benzo(a)anthracene	21.497	228	2344774	50.356	ng	98
33) Chrysene	21.551	228	1963493	43.756	ng	97
34) Bis(2-ethylhexyl)phtha...	21.372	149	30824	1.006	ng	100
36) Indeno(1,2,3-cd)pyrene	26.571	276	1288375	18.009	ng	97
37) Benzo(b)fluoranthene	23.224	252	2412190	35.116	ng	# 89
38) Benzo(k)fluoranthene	23.265	252	1000584m	14.361	ng	
39) Benzo(a)pyrene	23.873	252	2086307m	32.120	ng	
40) Dibenzo(a,h)anthracene	26.577	278	366449	6.261	ng	96
41) Benzo(g,h,i)perylene	27.381	276	1278308	21.280	ng	95

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

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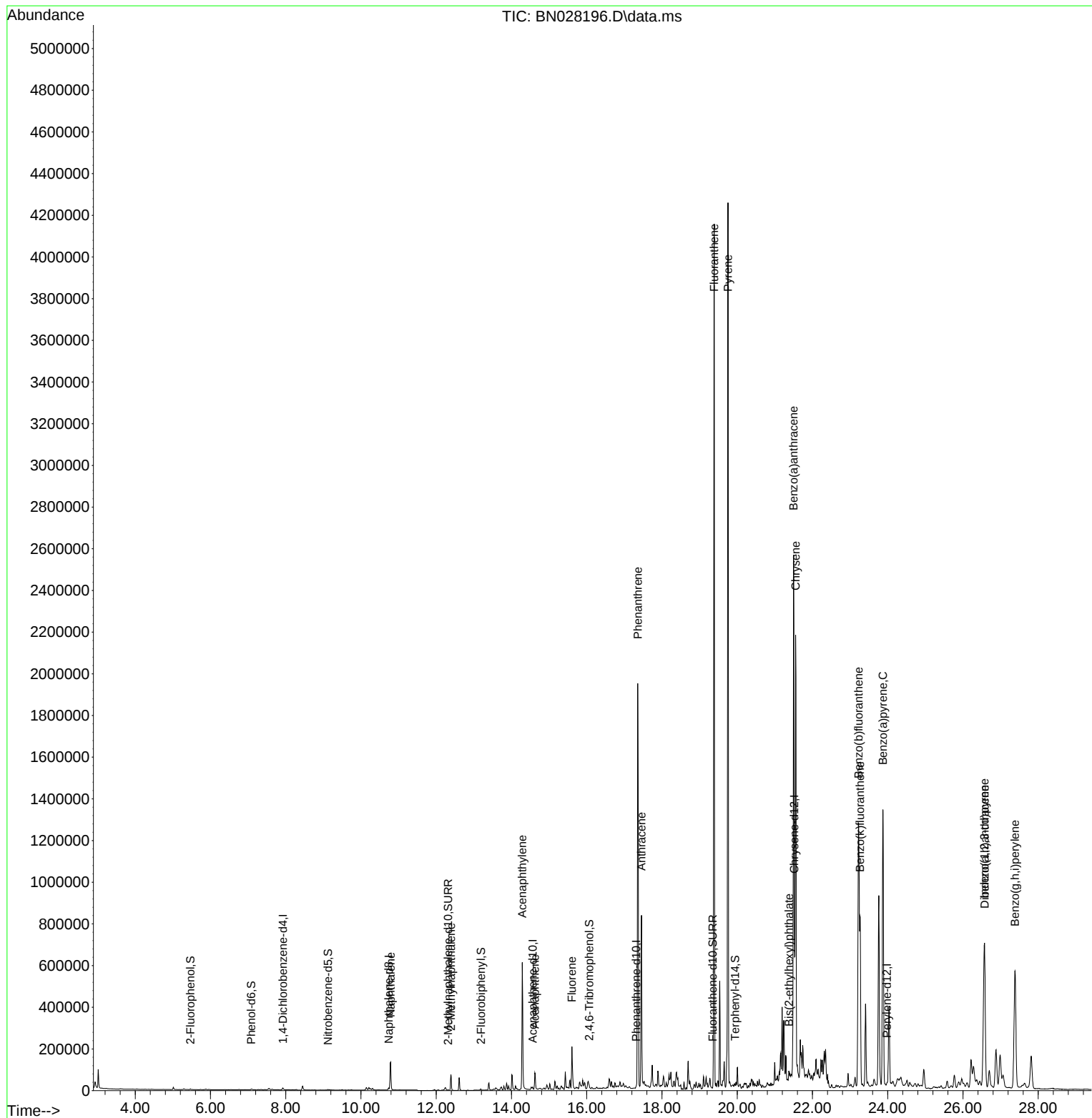
Manual Integrations

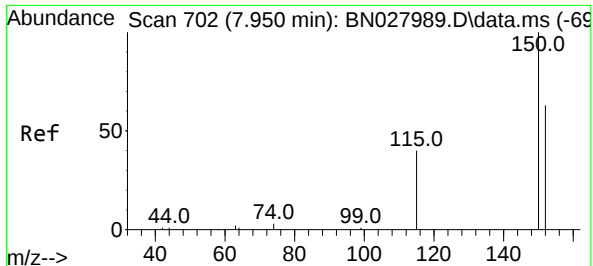
APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/12/2023

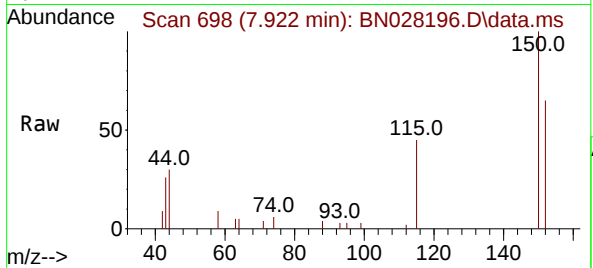
Quant Time: Oct 10 15:38:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 00:42:22 2023
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.922 min Scan# 698
 Delta R.T. -0.000 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

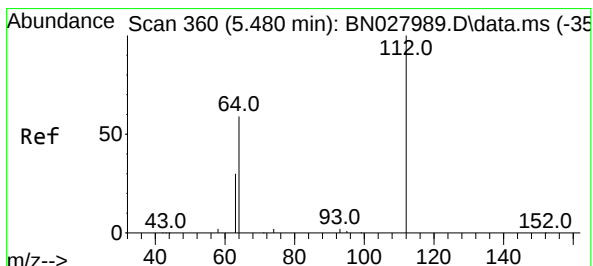
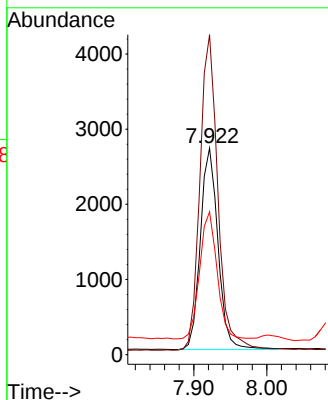
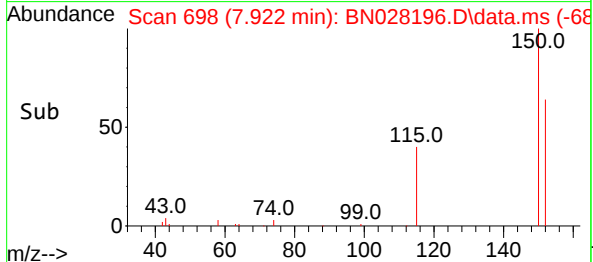
Instrument :
 BNA_N
 ClientSampleId :
 U-2(0-2IN)



Tgt Ion:152 Resp: 4508
 Ion Ratio Lower Upper
 152 100
 150 154.9 125.6 188.4
 115 69.1 54.8 82.2

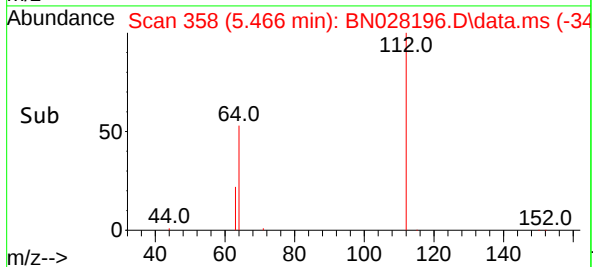
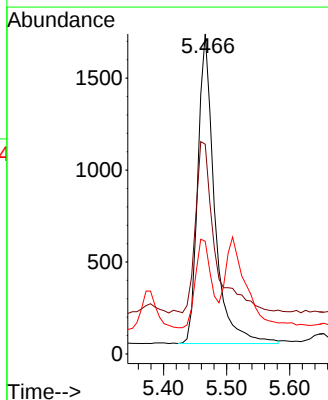
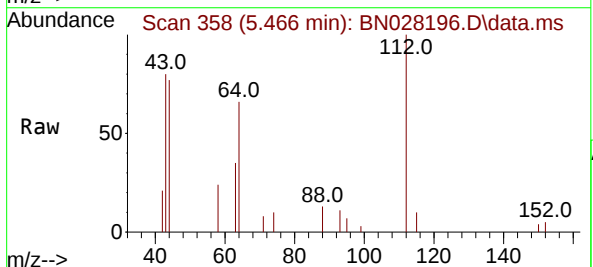
Manual Integrations
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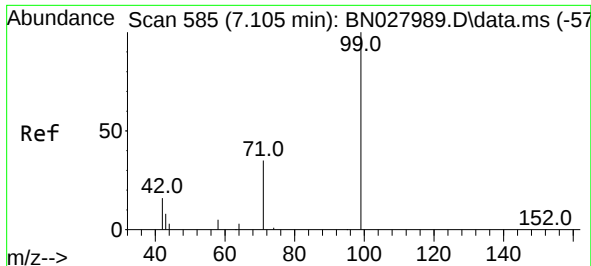
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#4
 2-Fluorophenol
 Concen: 0.231 ng
 RT: 5.466 min Scan# 358
 Delta R.T. -0.000 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

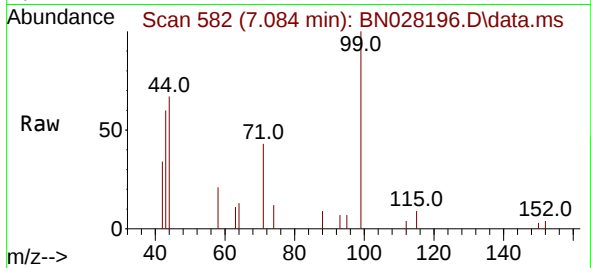
Tgt Ion:112 Resp: 3101
 Ion Ratio Lower Upper
 112 100
 64 65.5 45.0 67.6
 63 27.7 23.4 35.0





#5
Phenol-d6
Concen: 0.220 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

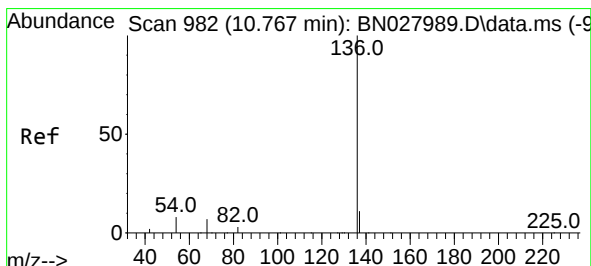
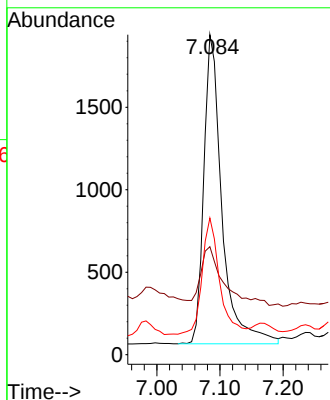
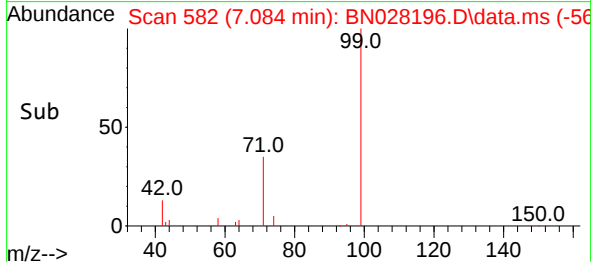
Instrument :
BNA_N
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U-2(0-2IN)



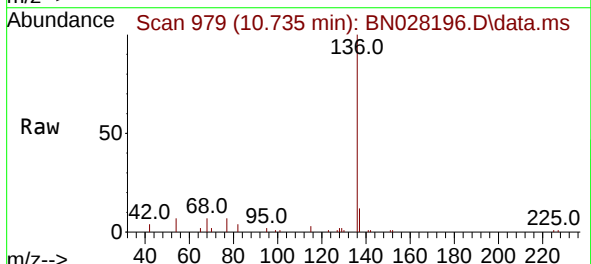
Tgt Ion: 99 Resp: 3730
Ion Ratio Lower Upper
99 100
42 24.6 14.6 22.0
71 36.1 28.3 42.5

Manual Integrations
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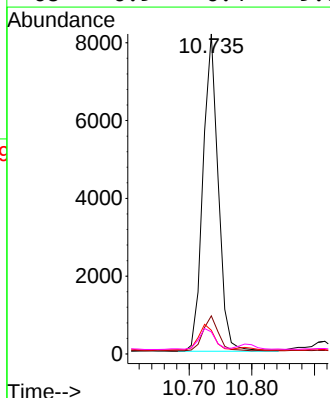
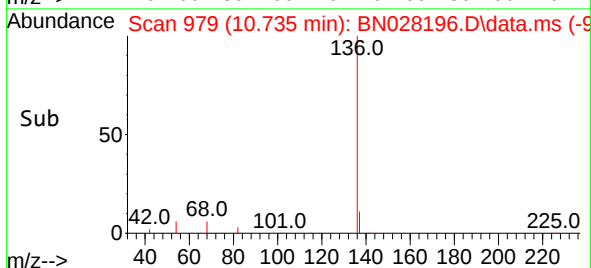
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

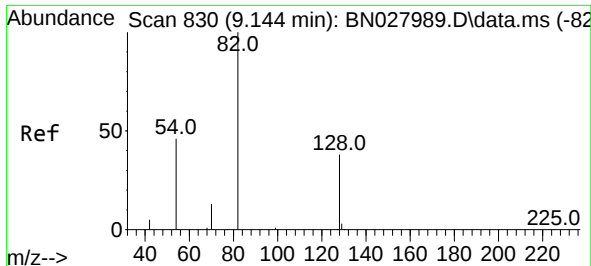


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25



Tgt Ion:136 Resp: 13850
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.0
54 7.4 7.0 10.6
68 6.9 6.4 9.6





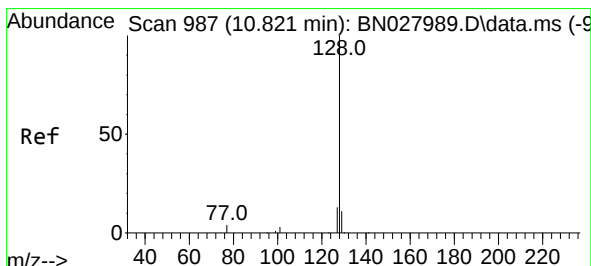
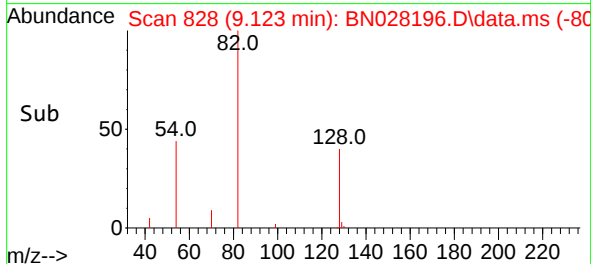
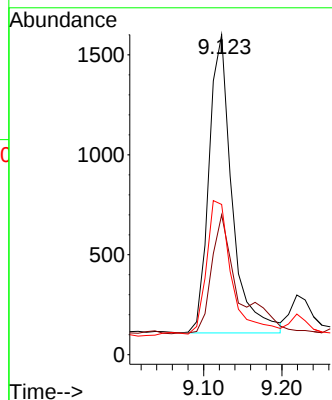
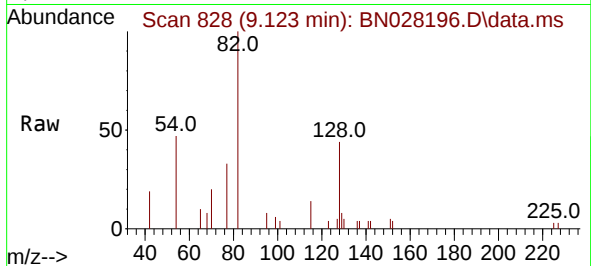
#8
Nitrobenzene-d5
Concen: 0.260 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)

Tgt Ion: 82 Resp: 306
Ion Ratio Lower Upper
82 100
128 43.7 32.7 49.1
54 47.0 38.7 58.1

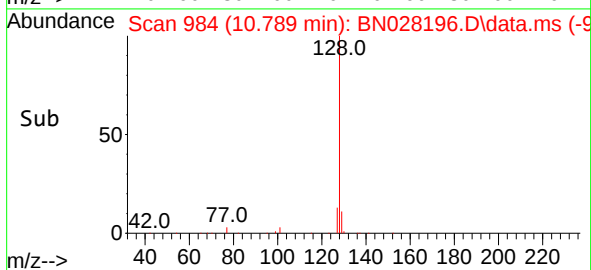
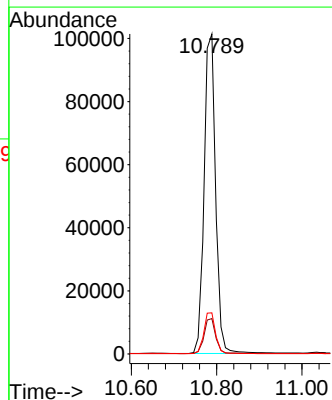
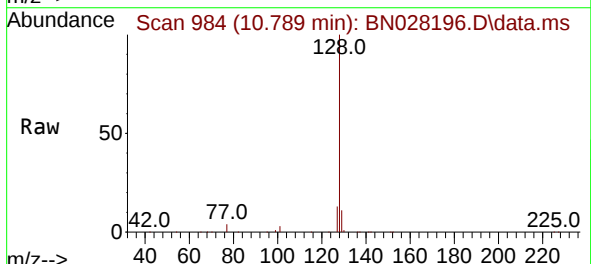
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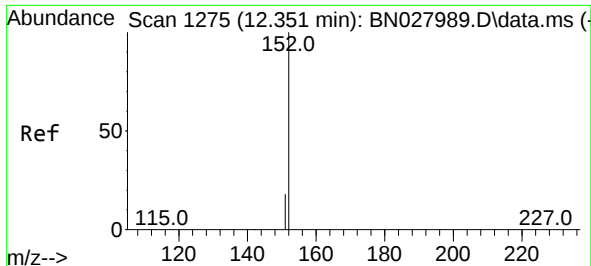
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 5.295 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

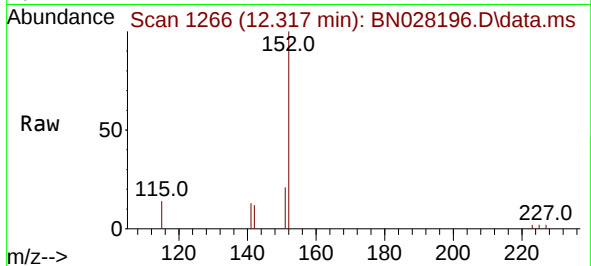
Tgt Ion:128 Resp: 189494
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.9 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.202 ng
RT: 12.317 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

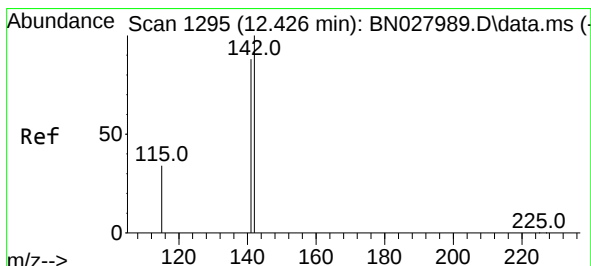
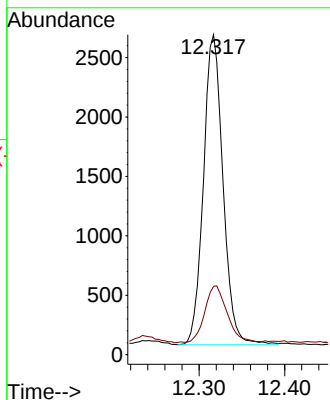
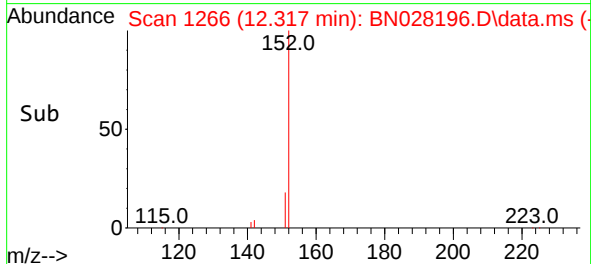
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)



Tgt Ion:152 Resp: 4152
Ion Ratio Lower Upper
152 100
151 20.7 16.5 24.7

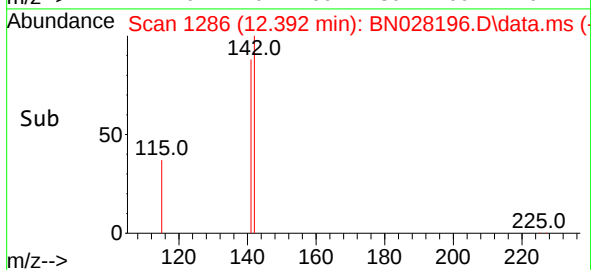
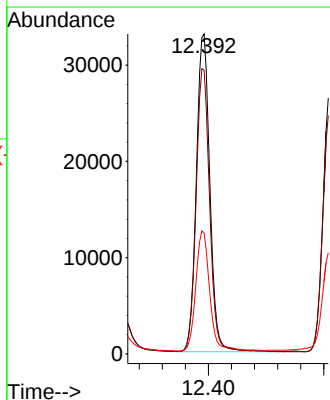
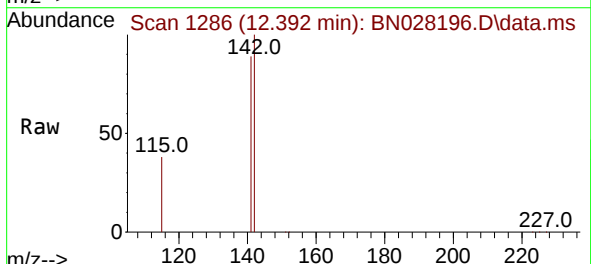
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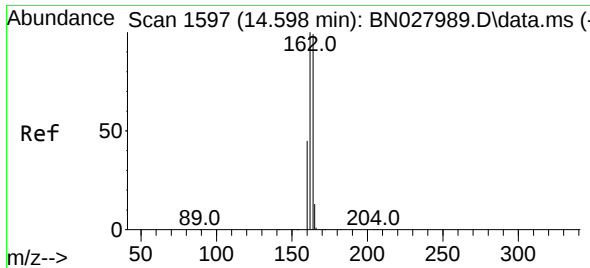
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#12
2-Methylnaphthalene
Concen: 2.141 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

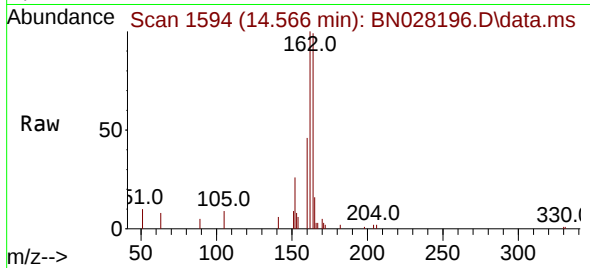
Tgt Ion:142 Resp: 53591
Ion Ratio Lower Upper
142 100
141 88.7 70.7 106.1
115 37.8 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

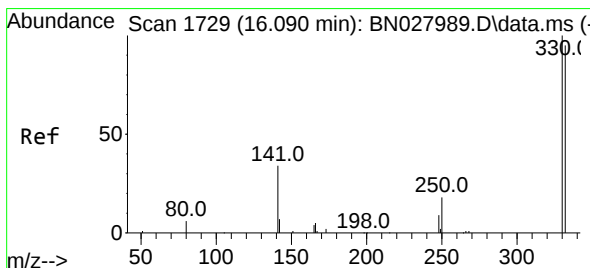
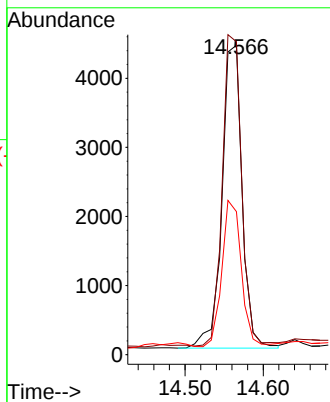
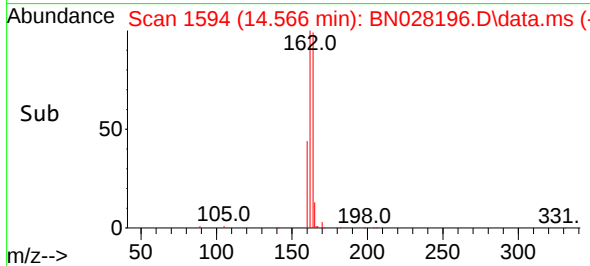
Instrument :
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ClientSampleId :
U-2(0-2IN)



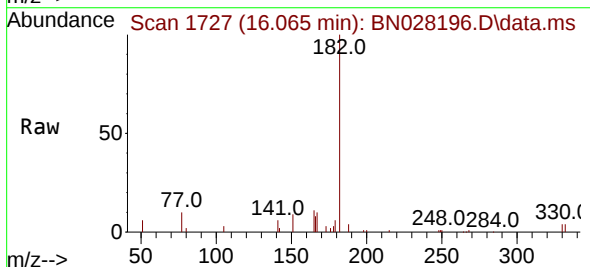
Tgt Ion:164 Resp: 782
Ion Ratio Lower Upper
164 100
162 101.1 80.8 121.2
160 46.2 36.4 54.6

Manual Integrations
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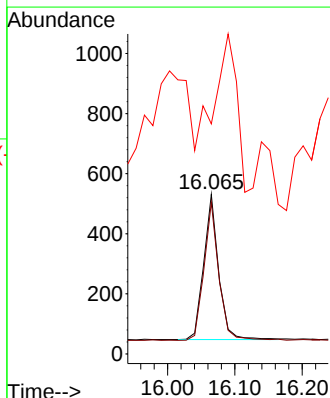
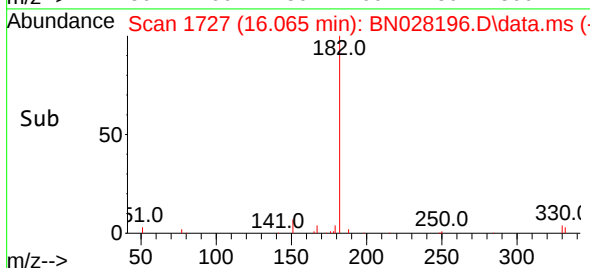
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

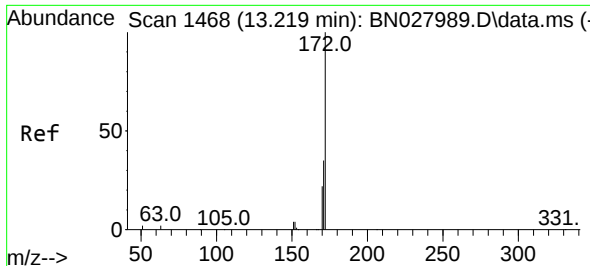


#14
2,4,6-Tribromophenol
Concen: 0.207 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25



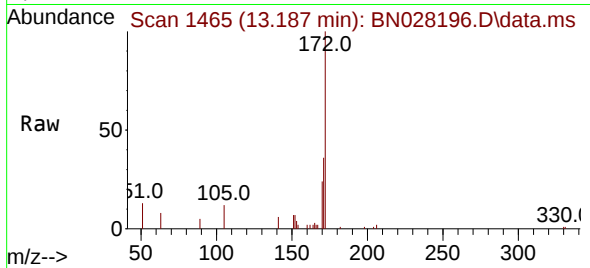
Tgt Ion:330 Resp: 740
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.197 ng
RT: 13.187 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

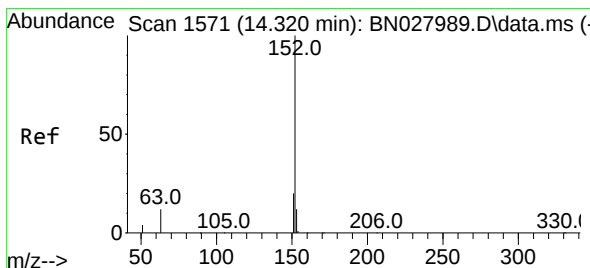
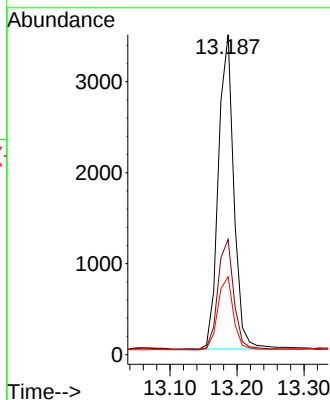
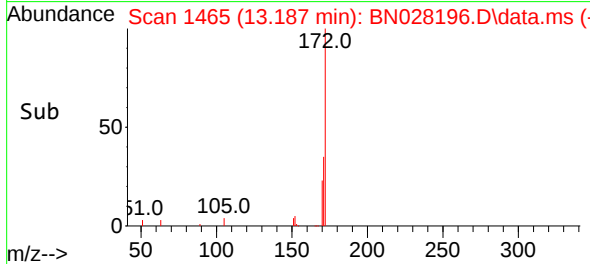
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)



Tgt Ion:172 Resp: 5560
Ion Ratio Lower Upper
172 100
171 36.0 28.1 42.1
170 24.4 18.4 27.6

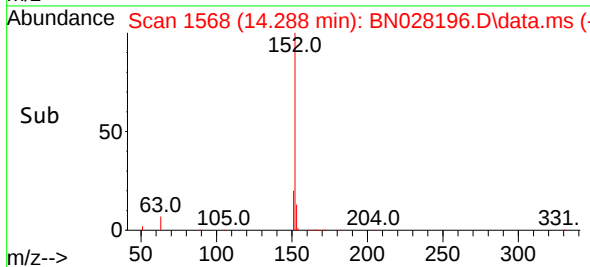
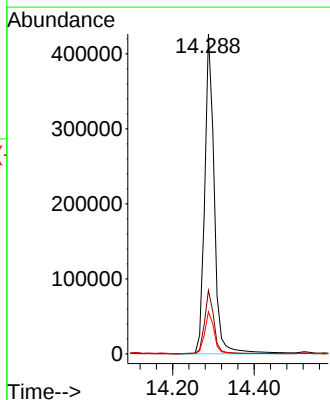
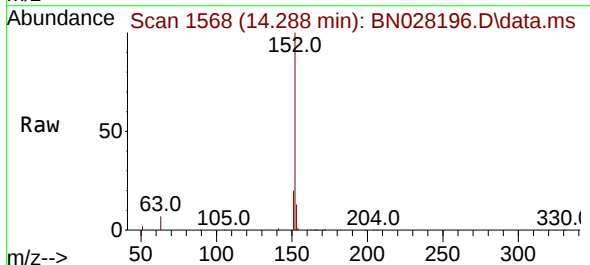
Manual Integrations
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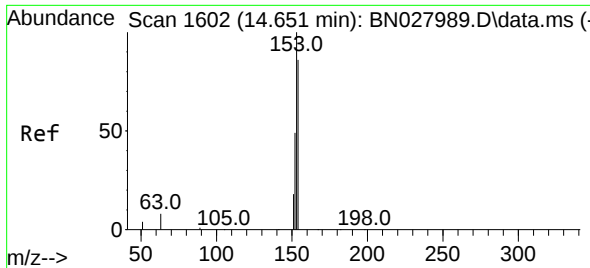
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 20.007 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

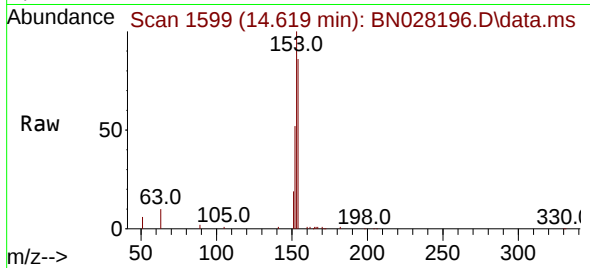
Tgt Ion:152 Resp: 693353
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.1 10.2 15.4





#17
Acenaphthene
Concen: 2.025 ng
RT: 14.619 min Scan# 1599
Delta R.T. -0.011 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

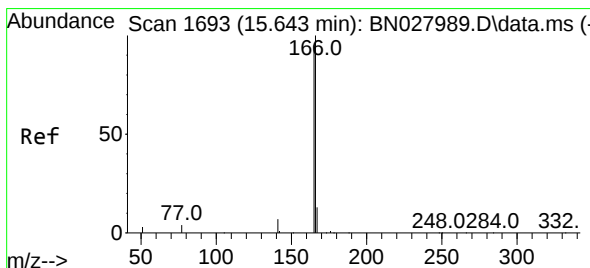
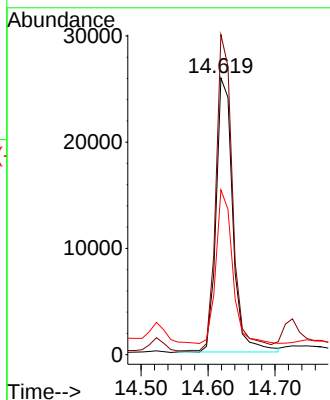
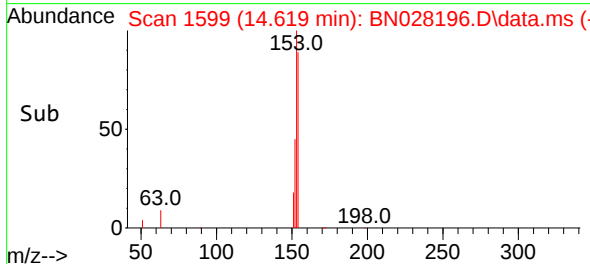
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)



Tgt Ion:154 Resp: 44730
Ion Ratio Lower Upper
154 100
153 114.7 90.8 136.2
152 55.9 43.9 65.9

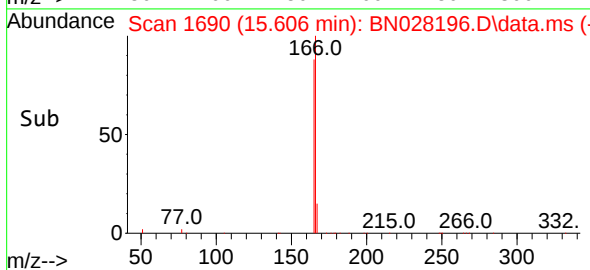
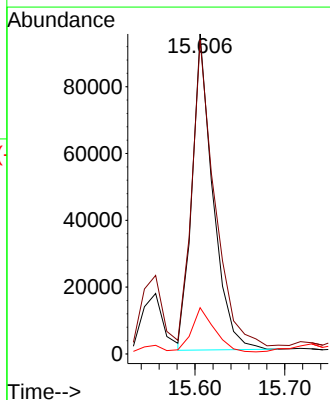
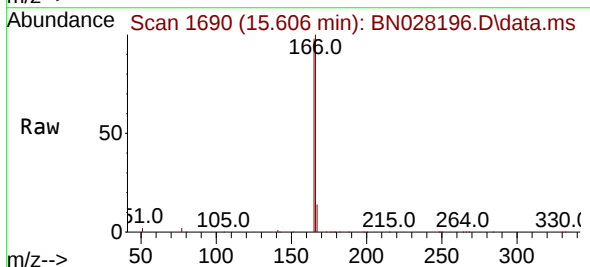
Manual Integrations
APPROVED

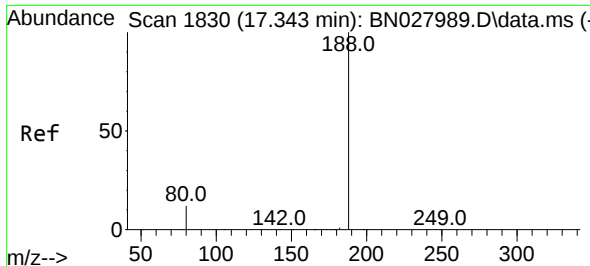
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#18
Fluorene
Concen: 5.322 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Tgt Ion:166 Resp: 152711
Ion Ratio Lower Upper
166 100
165 105.3 77.8 116.8
167 15.3 10.7 16.1





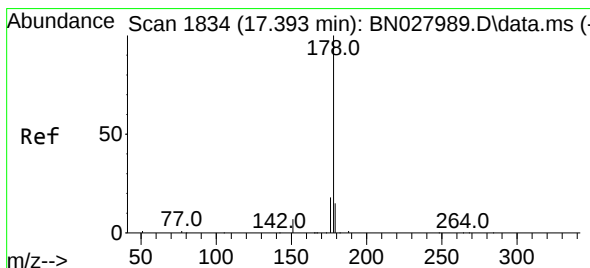
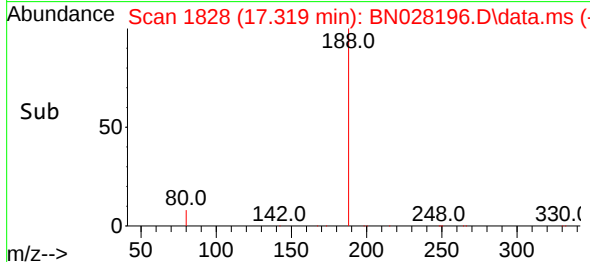
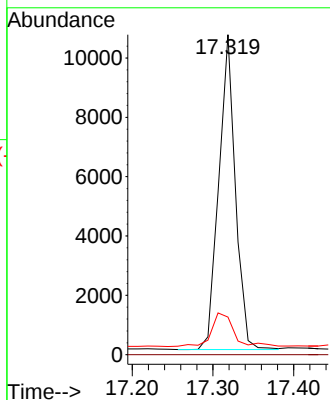
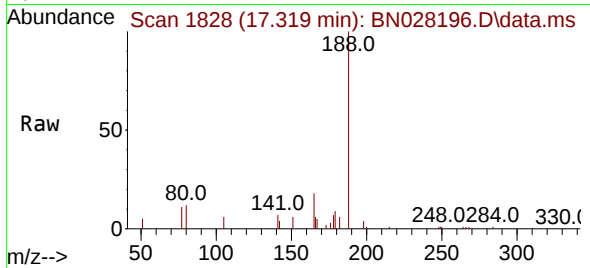
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)

Tgt Ion:188 Resp: 15198
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.8 10.2 15.4

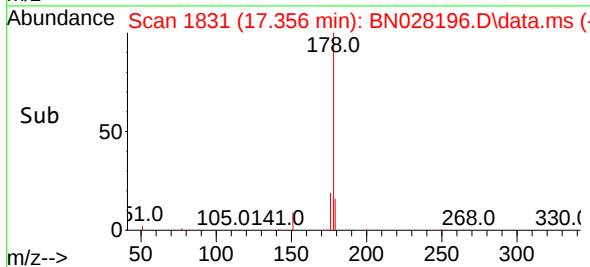
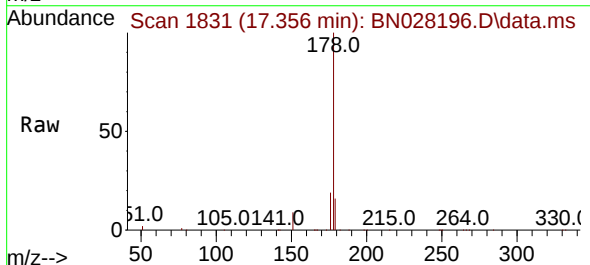
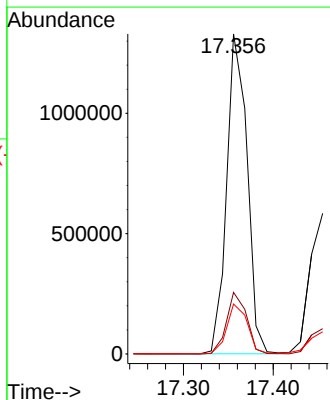
Manual Integrations
APPROVED

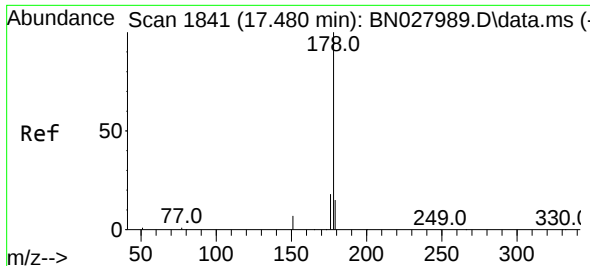
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#25
Phenanthrene
Concen: 51.281 ng
RT: 17.356 min Scan# 1831
Delta R.T. -0.012 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

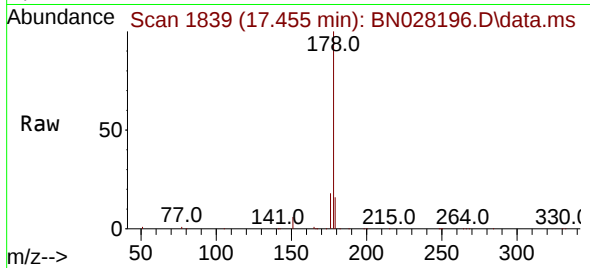
Tgt Ion:178 Resp: 2101137
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.6 12.4 18.6





#26
 Anthracene
 Concen: 23.359 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

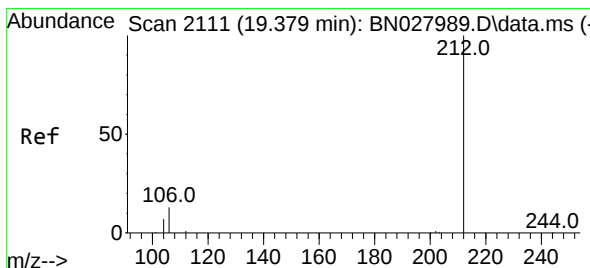
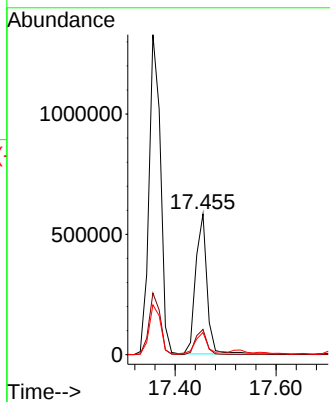
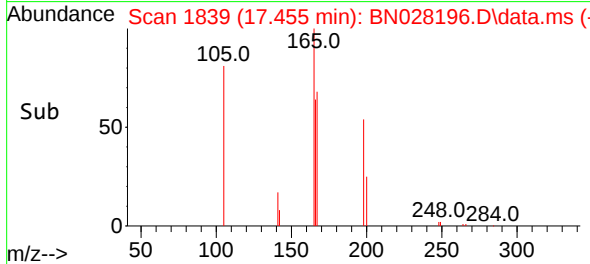
Instrument :
 BNA_N
 ClientSampleId :
 U-2(0-2IN)



Tgt Ion:178 Resp: 904660
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.7 22.1
 179 17.7 12.2 18.2

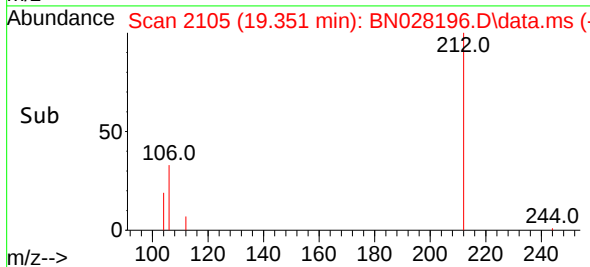
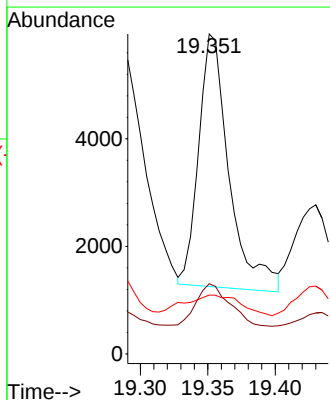
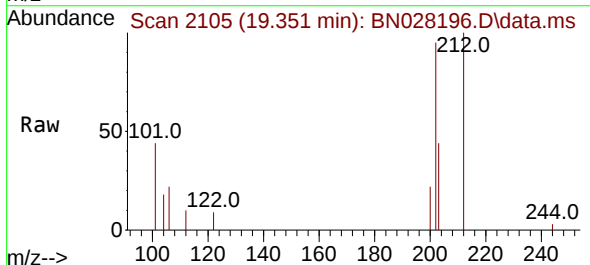
Manual Integrations
 APPROVED

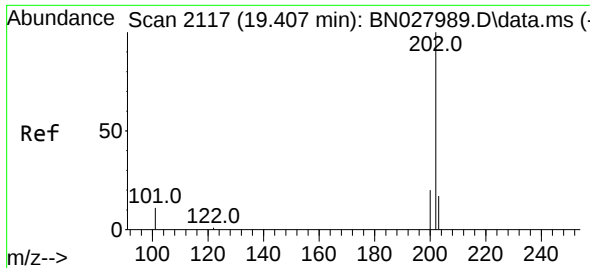
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.193 ng
 RT: 19.351 min Scan# 2105
 Delta R.T. -0.005 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

Tgt Ion:212 Resp: 7378
 Ion Ratio Lower Upper
 212 100
 106 18.4 11.3 16.9#
 104 15.0 6.4 9.6#





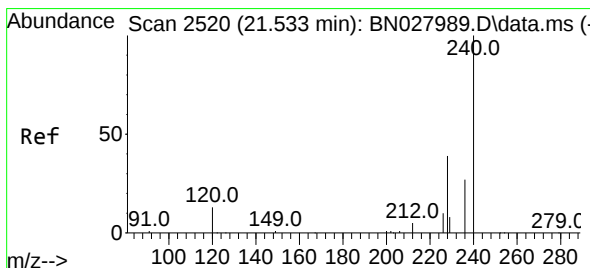
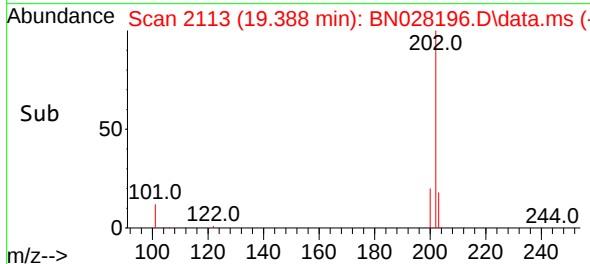
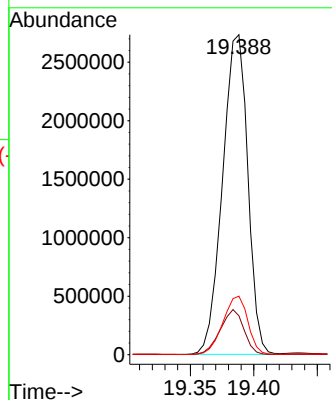
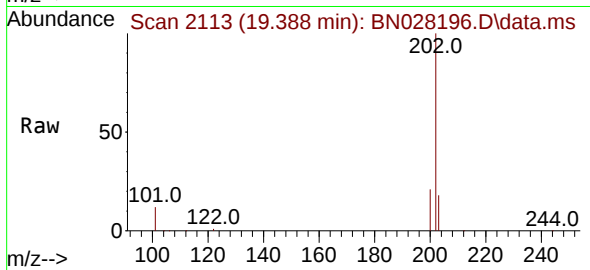
#28
Fluoranthene
Concen: 79.914 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.005 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)

Tgt Ion:202 Resp: 377885
Ion Ratio Lower Upper
202 100
101 13.2 9.8 14.6
203 18.0 13.8 20.8

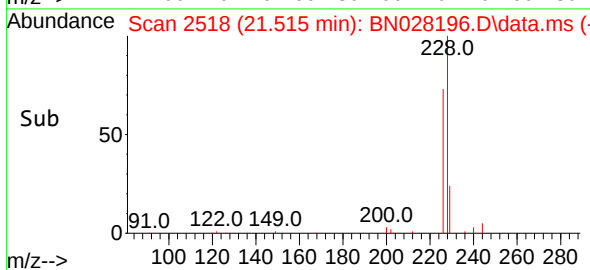
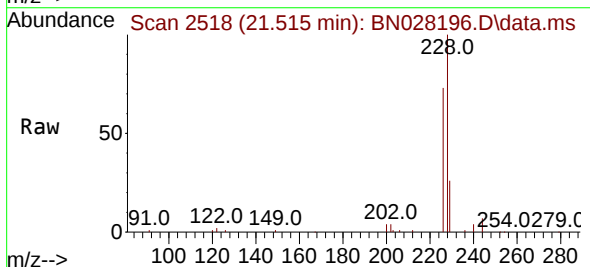
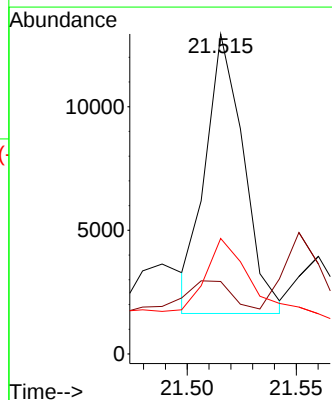
Manual Integrations
APPROVED

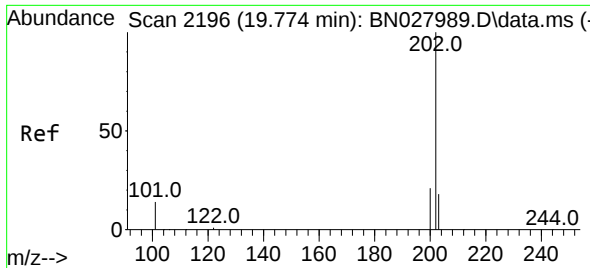
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

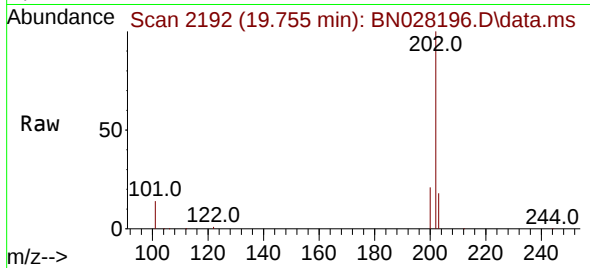
Tgt Ion:240 Resp: 13684
Ion Ratio Lower Upper
240 100
120 22.6 13.8 20.6#
236 36.1 22.6 33.8#





#30
Pyrene
Concen: 75.794 ng
RT: 19.755 min Scan# 2196
Delta R.T. 0.005 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

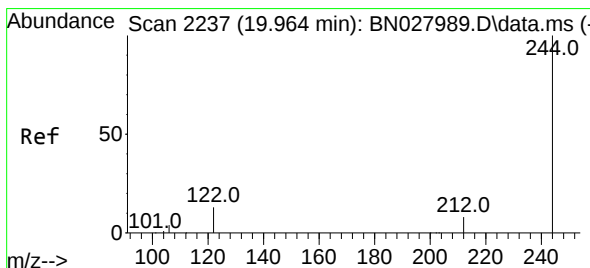
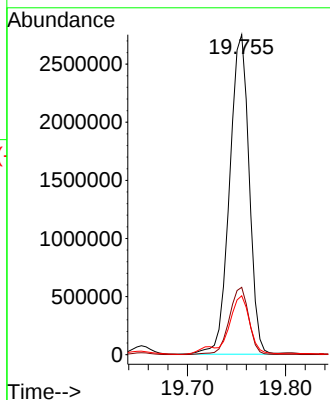
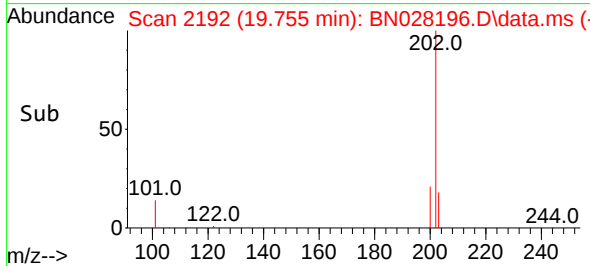
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)



Tgt Ion:202 Resp: 380320
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 20.4 14.7 22.1

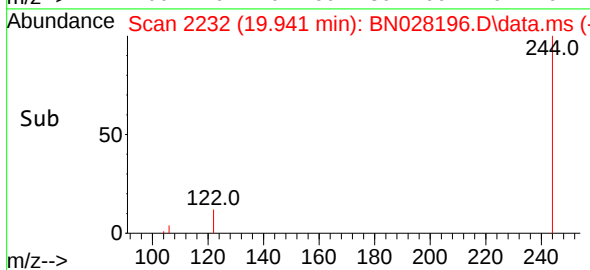
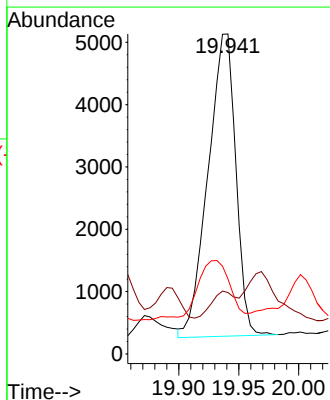
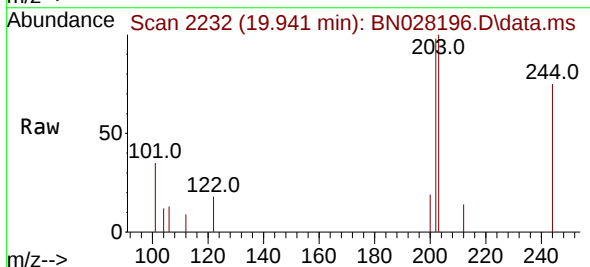
Manual Integrations
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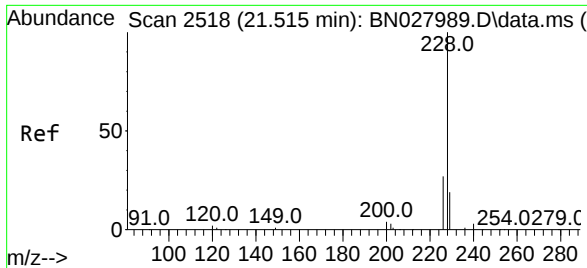
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.245 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

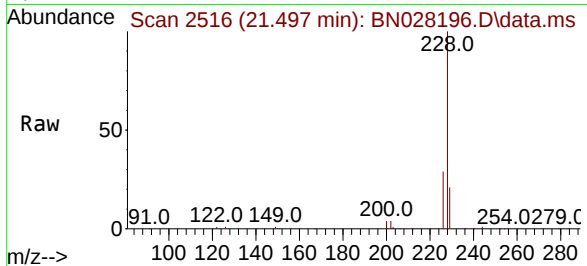
Tgt Ion:244 Resp: 7812
Ion Ratio Lower Upper
244 100
212 19.2 6.6 9.8#
122 23.5 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 50.356 ng
RT: 21.497 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

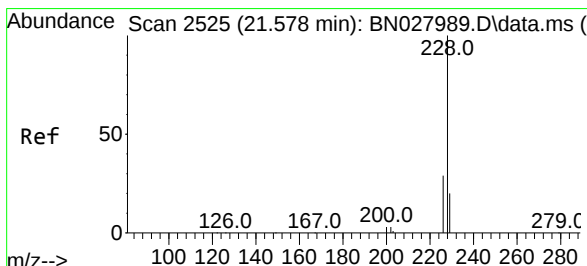
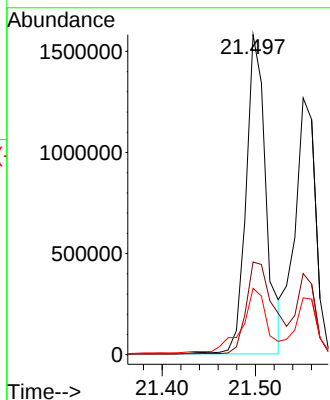
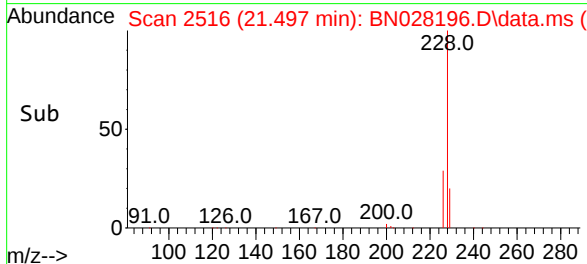
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)



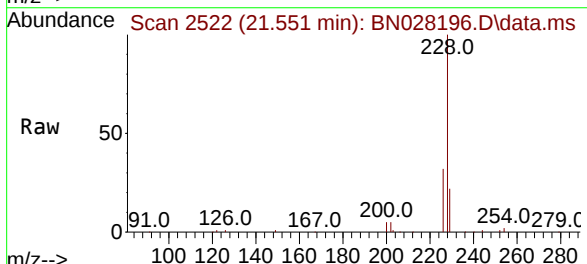
Tgt Ion:228 Resp: 2344774
Ion Ratio Lower Upper
228 100
226 28.9 22.0 33.0
229 20.7 16.0 24.0

Manual Integrations
APPROVED

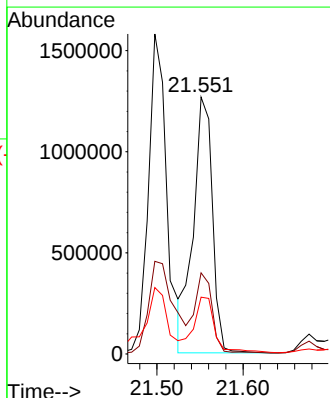
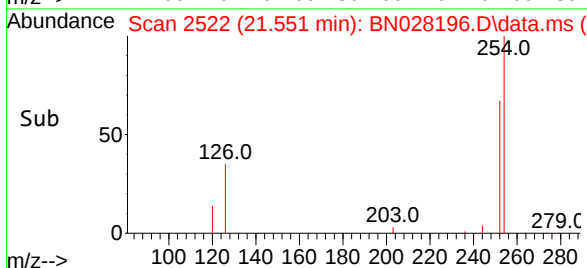
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

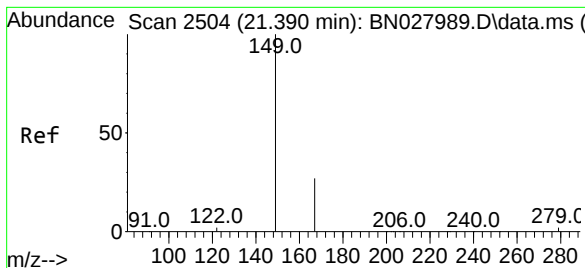


#33
Chrysene
Concen: 43.756 ng
RT: 21.551 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25



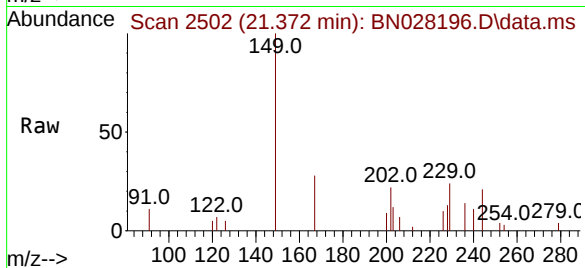
Tgt Ion:228 Resp: 1963493
Ion Ratio Lower Upper
228 100
226 31.6 23.8 35.8
229 22.1 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.006 ng
RT: 21.372 min Scan# 2135
Delta R.T. 0.009 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

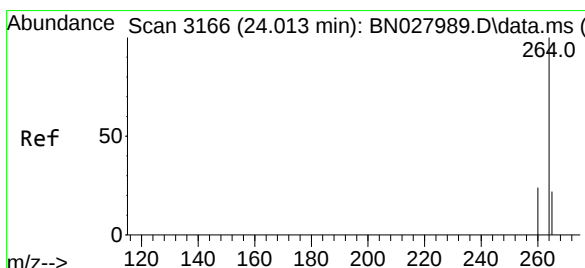
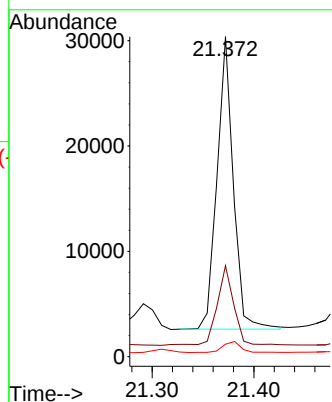
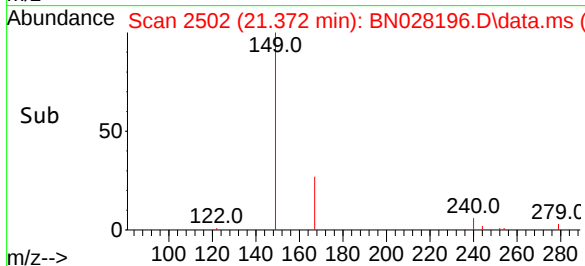
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)



Tgt Ion:149 Resp: 30824
Ion Ratio Lower Upper
149 100
167 27.8 22.1 33.1
279 4.1 3.4 5.0

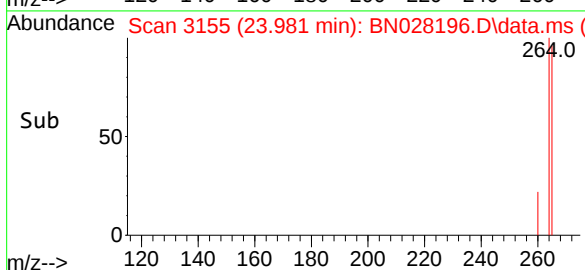
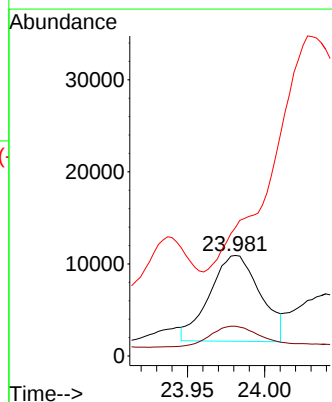
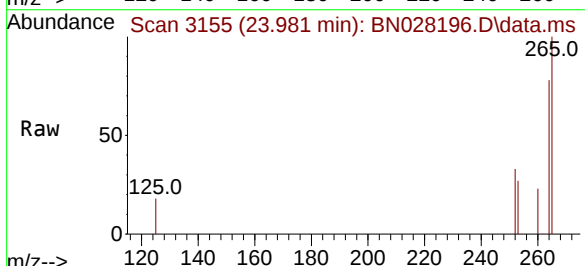
Manual Integrations
APPROVED

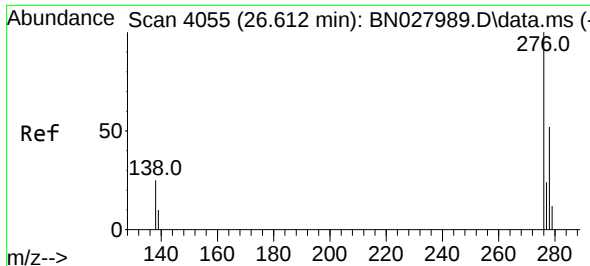
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#35
Perylene-d12
Concen: 0.400 ng m
RT: 23.981 min Scan# 3155
Delta R.T. 0.006 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

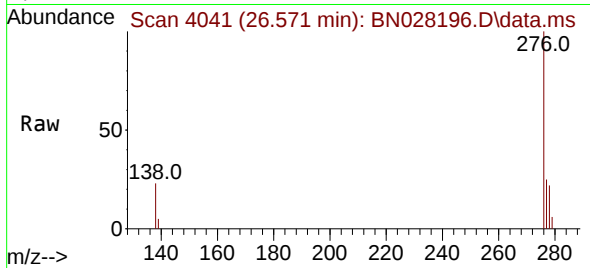
Tgt Ion:264 Resp: 21269
Ion Ratio Lower Upper
264 100
260 29.7 20.2 30.4
265 127.7 54.8 82.2#





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 18.009 ng
 RT: 26.571 min Scan# 4055
 Delta R.T. 0.015 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

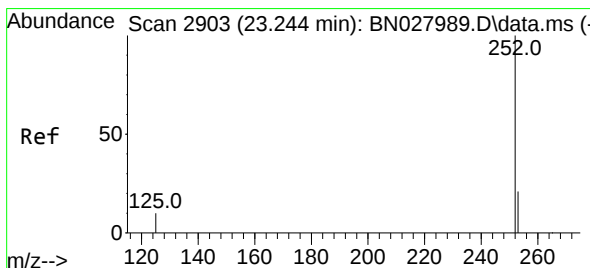
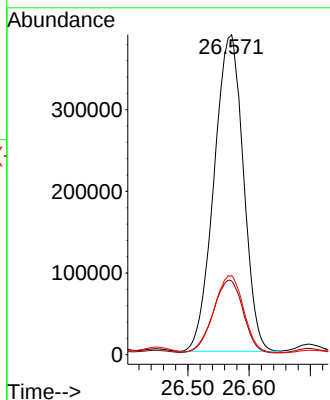
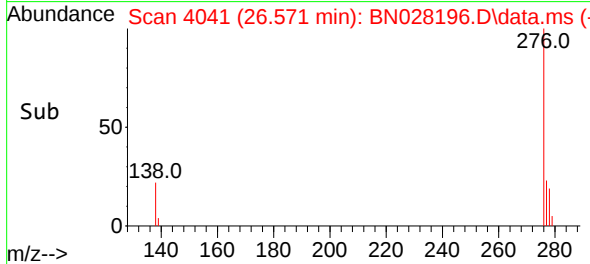
Instrument :
 BNA_N
 ClientSampleId :
 U-2(0-2IN)



Tgt Ion:276 Resp: 128837
 Ion Ratio Lower Upper
 276 100
 138 23.6 20.9 31.3
 277 24.8 19.8 29.6

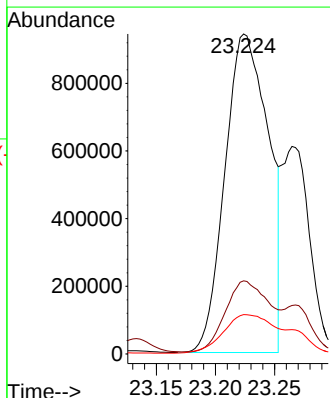
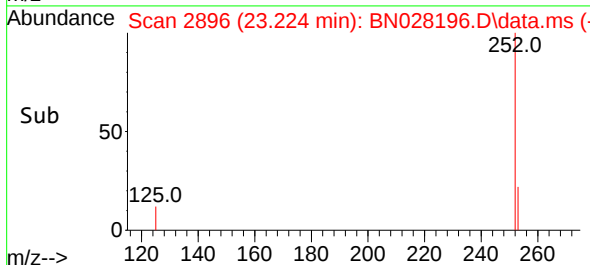
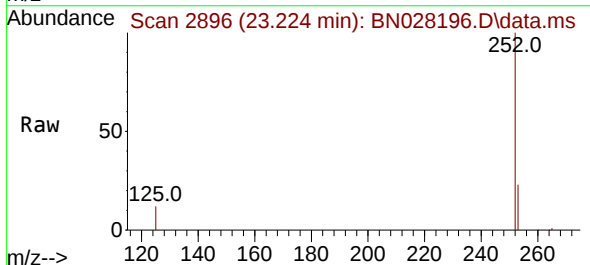
Manual Integrations
 APPROVED

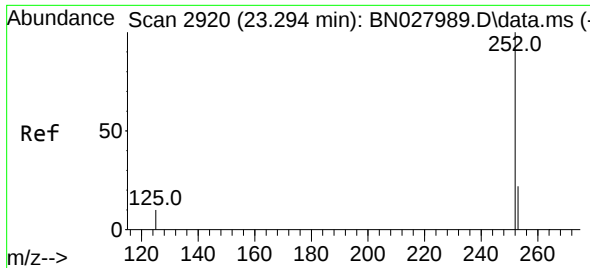
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#37
 Benzo(b)fluoranthene
 Concen: 35.116 ng
 RT: 23.224 min Scan# 2896
 Delta R.T. 0.012 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

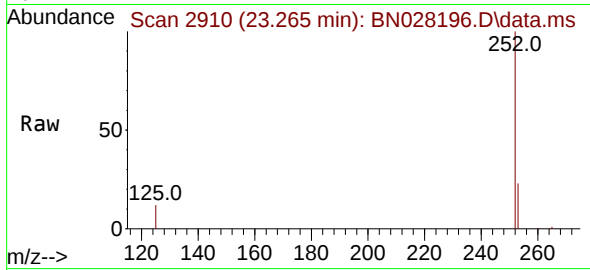
Tgt Ion:252 Resp: 2412190
 Ion Ratio Lower Upper
 252 100
 253 22.9 22.9 34.3#
 125 12.3 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 14.361 ng m
RT: 23.265 min Scan# 2920
Delta R.T. 0.003 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

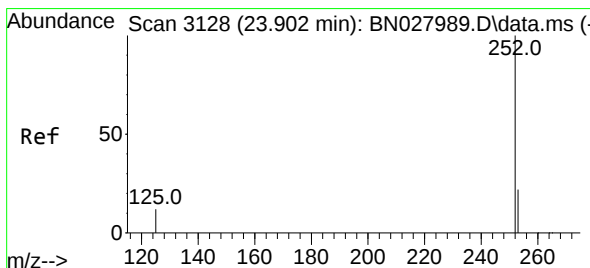
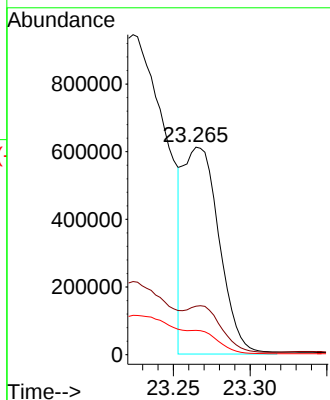
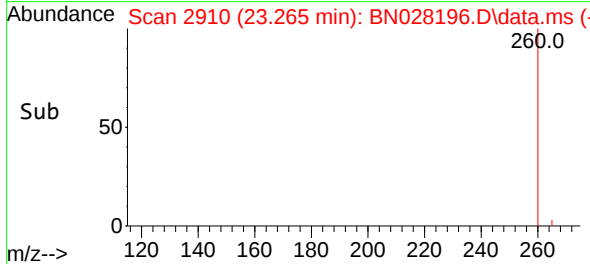
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)



Tgt Ion:252 Resp: 1000584
Ion Ratio Lower Upper
252 100
253 23.4 23.1 34.7
125 11.8 13.8 20.8

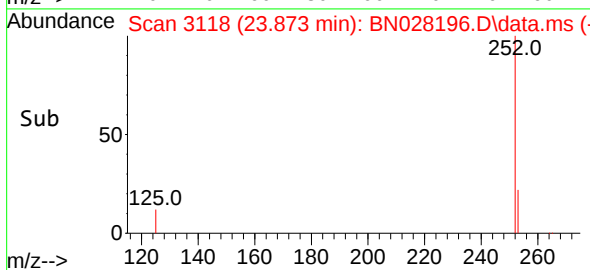
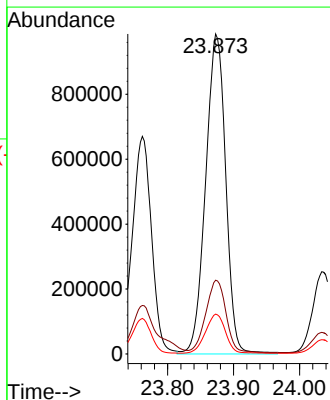
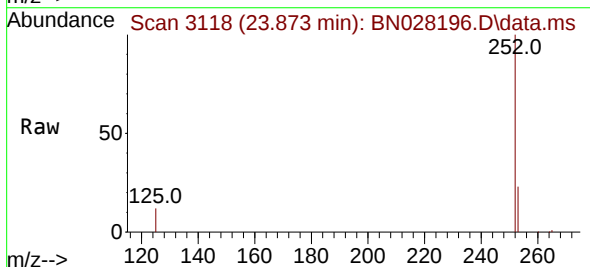
Manual Integrations
APPROVED

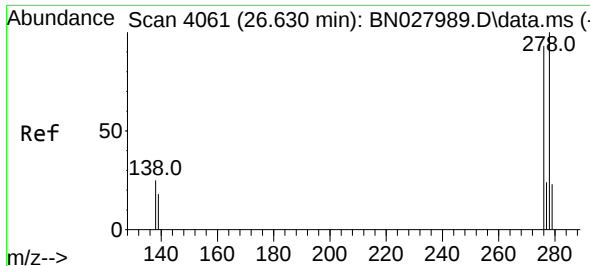
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#39
Benzo(a)pyrene
Concen: 32.120 ng m
RT: 23.873 min Scan# 3118
Delta R.T. 0.009 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

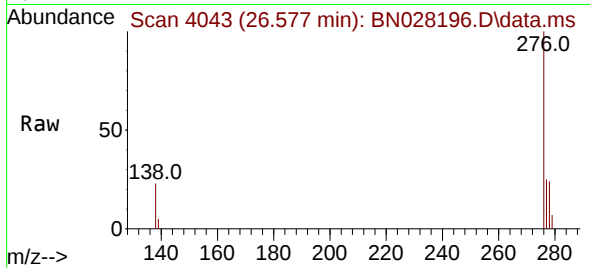
Tgt Ion:252 Resp: 2086307
Ion Ratio Lower Upper
252 100
253 23.1 25.0 37.4#
125 12.5 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 6.261 ng
RT: 26.577 min Scan# 4061
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

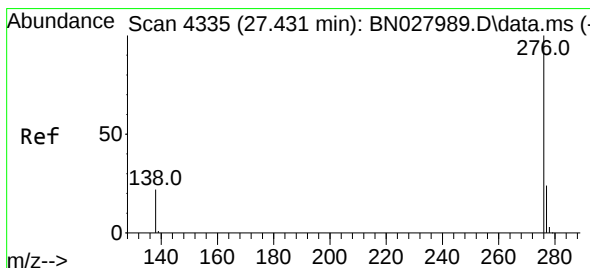
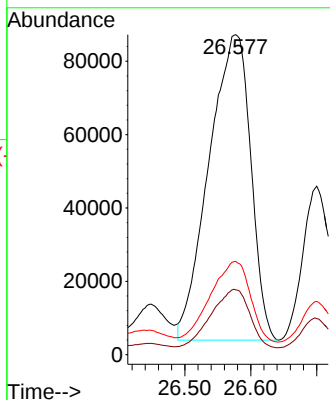
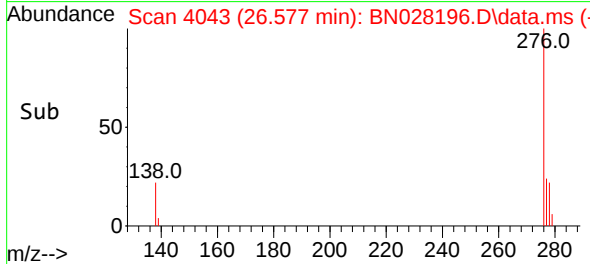
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)



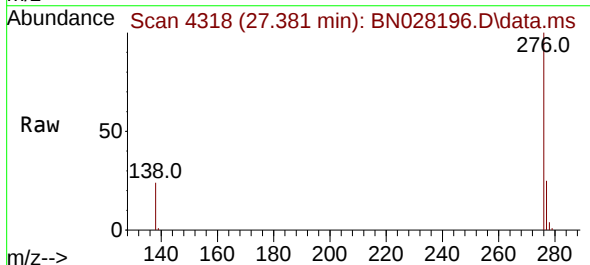
Tgt Ion:278 Resp: 366449
Ion Ratio Lower Upper
278 100
139 20.3 17.7 26.5
279 29.1 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#41
Benzo(g,h,i)perylene
Concen: 21.280 ng
RT: 27.381 min Scan# 4318
Delta R.T. 0.015 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25



Tgt Ion:276 Resp: 1278308
Ion Ratio Lower Upper
276 100
277 24.5 22.1 33.1
138 23.9 20.8 31.2

